Full wwPDB EM Validation Report ⓘ

Aug 5, 2026 – 04:03 AM EDT

PDB ID	:	7S3D / pdb_00007s3d
EMDB ID	:	EMD-24821
Title	:	Structure of photosystem I with bound ferredoxin from Synechococcus sp. PCC 7335 acclimated to far-red light
Authors	:	Gisriel, C.J.; Flesher, D.A.; Shen, G.; Wang, J.; Ho, M.; Brudvig, G.W.; Bryant, D.A.
Deposited on	:	2021-09-05
Resolution	:	2.91 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

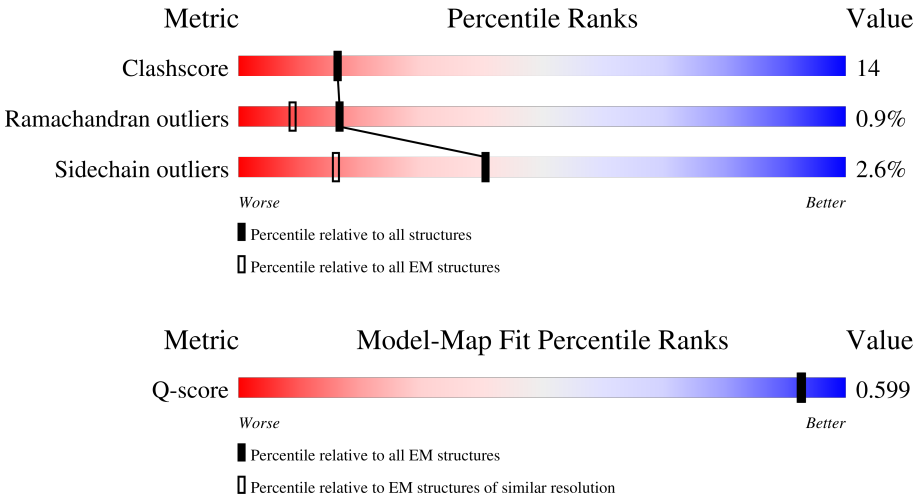
EMDB validation analysis	:	0.0.1.dev133
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 2.91 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	12972 (2.41 - 3.41)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	782	9% 71% 24%
1	G	782	9% 71% 24%
1	a	782	8% 70% 24%
2	B	743	78% 22%

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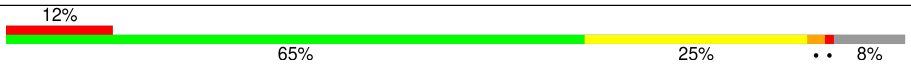
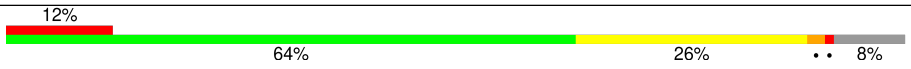
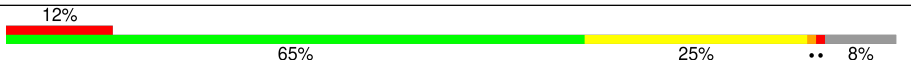
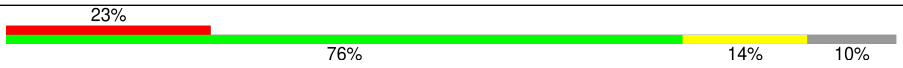
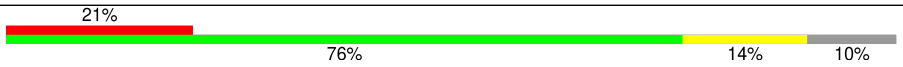
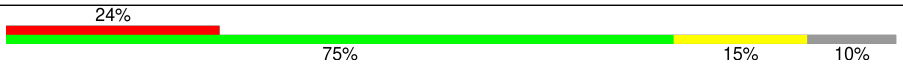
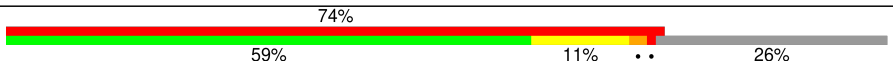
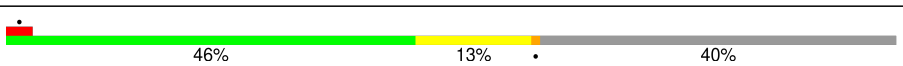
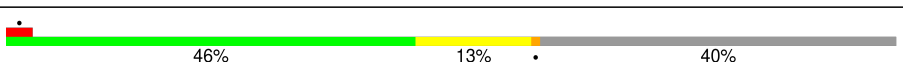
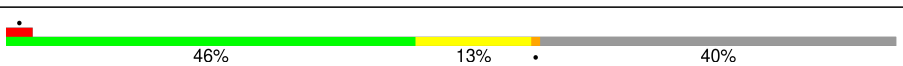
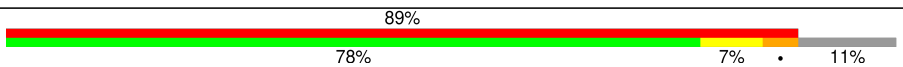
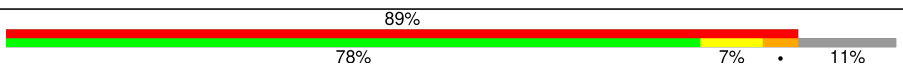
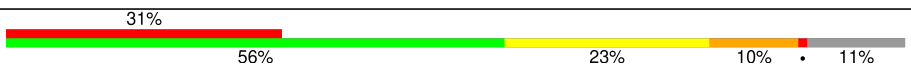
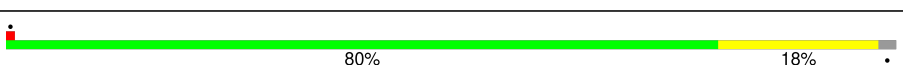
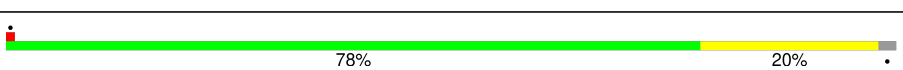
Mol	Chain	Length	Quality of chain
2	H	743	
2	b	743	
3	C	81	
3	N	81	
3	c	81	
4	D	155	
4	O	155	
4	d	155	
5	E	71	
5	P	71	
5	e	71	
6	F	168	
6	Q	168	
6	f	168	
7	I	70	
7	R	70	
7	i	70	
8	J	46	
8	S	46	
8	j	46	
9	K	84	
9	T	84	
9	k	84	
10	L	174	
10	U	174	

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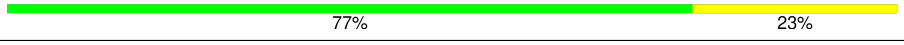
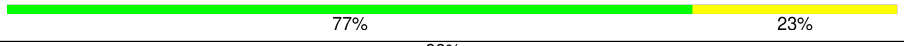
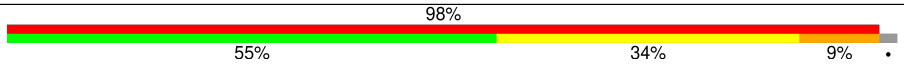
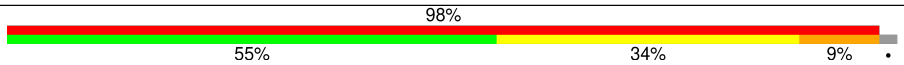
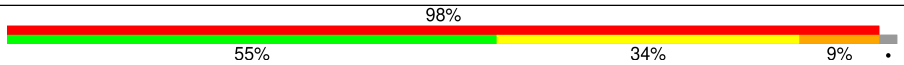
Mol	Chain	Length	Quality of chain
10	l	174	
11	M	31	
11	V	31	
11	m	31	
12	W	99	
12	X	99	
12	x	99	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	L	1501	-	-	X	-
14	CLA	U	1501	-	-	X	-
14	CLA	l	1501	-	-	X	-
15	F6C	A	1121	X	-	-	-
15	F6C	B	1207	X	-	-	-
15	F6C	B	1219	X	-	-	-
15	F6C	B	1230	X	-	-	-
15	F6C	B	1237	X	-	-	-
15	F6C	B	1238	X	-	-	-
15	F6C	G	1121	X	-	-	-
15	F6C	H	1207	X	-	-	-
15	F6C	H	1219	X	-	-	-
15	F6C	H	1230	X	-	-	-
15	F6C	H	1237	X	-	-	-
15	F6C	H	1238	X	-	-	-
15	F6C	a	1121	X	-	-	-
15	F6C	b	1207	X	-	-	-
15	F6C	b	1219	X	-	-	-
15	F6C	b	1230	X	-	-	-
15	F6C	b	1237	X	-	-	-
15	F6C	b	1238	X	-	-	-

2 Entry composition (i)

There are 25 unique types of molecules in this entry. The entry contains 75150 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	749	Total	C	N	O	S	0	0
			5849	3818	1005	991	35		
1	G	749	Total	C	N	O	S	0	0
			5849	3818	1005	991	35		
1	a	749	Total	C	N	O	S	0	0
			5849	3818	1005	991	35		

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	742	Total	C	N	O	S	0	0
			5900	3883	988	1008	21		
2	H	742	Total	C	N	O	S	0	0
			5900	3883	988	1008	21		
2	b	742	Total	C	N	O	S	0	0
			5900	3883	988	1008	21		

- Molecule 3 is a protein called PsaC.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	C	80	Total	C	N	O	S	0	0
			598	365	105	117	11		
3	N	80	Total	C	N	O	S	0	0
			598	365	105	117	11		
3	c	80	Total	C	N	O	S	0	0
			598	365	105	117	11		

- Molecule 4 is a protein called Photosystem I 16 kDa polypeptide.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	143	Total	C	N	O	S	0	0
			1102	695	189	213	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	O	143	Total	C	N	O	S	0	0
			1102	695	189	213	5		
4	d	143	Total	C	N	O	S	0	0
			1102	695	189	213	5		

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms				AltConf	Trace
5	E	64	Total	C	N	O	0	0
			506	322	89	95		
5	P	64	Total	C	N	O	0	0
			506	322	89	95		
5	e	64	Total	C	N	O	0	0
			506	322	89	95		

- Molecule 6 is a protein called PSI-F.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	124	Total	C	N	O	S	0	0
			826	542	134	148	2		
6	Q	124	Total	C	N	O	S	0	0
			826	542	134	148	2		
6	f	124	Total	C	N	O	S	0	0
			826	542	134	148	2		

- Molecule 7 is a protein called PsaI2.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	42	Total	C	N	O	S	0	0
			343	237	49	55	2		
7	R	42	Total	C	N	O	S	0	0
			343	237	49	55	2		
7	i	42	Total	C	N	O	S	0	0
			343	237	49	55	2		

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	J	41	Total	C	N	O	S	0	0
			296	197	46	52	1		
8	S	41	Total	C	N	O	S	0	0
			296	197	46	52	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	j	41	Total	C	N	O	S	0	0
			296	197	46	52	1		

- Molecule 9 is a protein called Photosystem I reaction center subunit PsaK.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	K	75	Total	C	N	O	S	0	0
			516	343	85	86	2		
9	T	75	Total	C	N	O	S	0	0
			516	343	85	86	2		
9	k	75	Total	C	N	O	S	0	0
			516	343	85	86	2		

- Molecule 10 is a protein called PSI subunit V.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	L	170	Total	C	N	O	S	0	0
			1291	830	220	238	3		
10	U	170	Total	C	N	O	S	0	0
			1291	830	220	238	3		
10	l	170	Total	C	N	O	S	0	0
			1291	830	220	238	3		

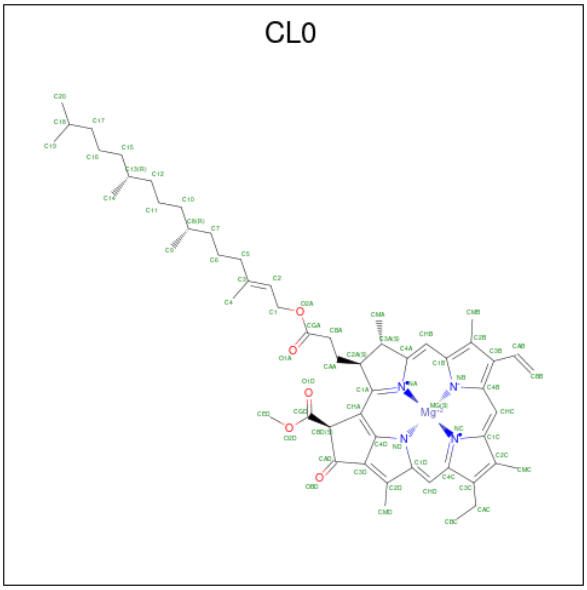
- Molecule 11 is a protein called PsaM.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	M	31	Total	C	N	O	S	0	0
			232	156	35	40	1		
11	V	31	Total	C	N	O	S	0	0
			232	156	35	40	1		
11	m	31	Total	C	N	O	S	0	0
			232	156	35	40	1		

- Molecule 12 is a protein called 2Fe-2S ferredoxin-type domain-containing protein.

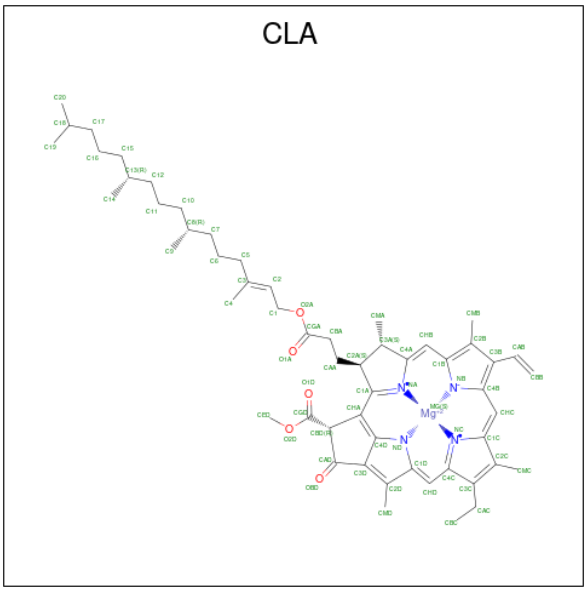
Mol	Chain	Residues	Atoms					AltConf	Trace
12	X	97	Total	C	N	O	S	0	0
			649	405	107	132	5		
12	W	97	Total	C	N	O	S	0	0
			649	405	107	132	5		
12	x	97	Total	C	N	O	S	0	0
			649	405	107	132	5		

- Molecule 13 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
13	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

- Molecule 14 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	K	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	M	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	V	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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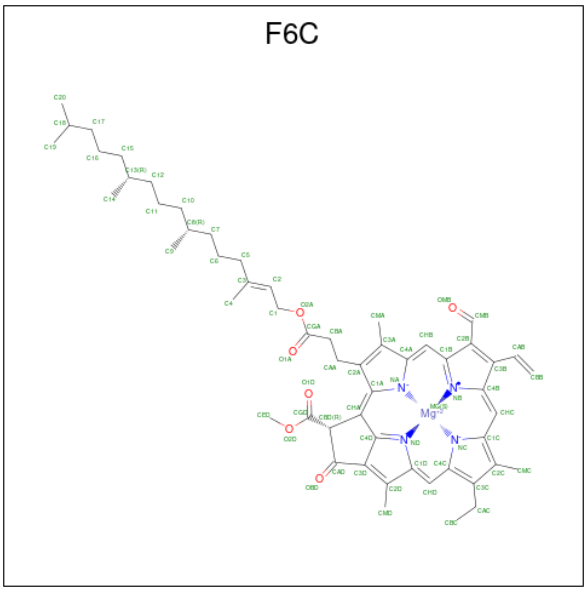
Mol	Chain	Residues	Atoms					AltConf
14	l	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

- Molecule 15 is Chlorophyll F (CCD ID: F6C) (formula: $C_{55}H_{68}MgN_4O_6$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
15	A	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	B	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	B	1	Total	C	Mg	N	O	0
			56	45	1	4	6	
15	B	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	B	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	B	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	G	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	H	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	H	1	Total	C	Mg	N	O	0
			56	45	1	4	6	

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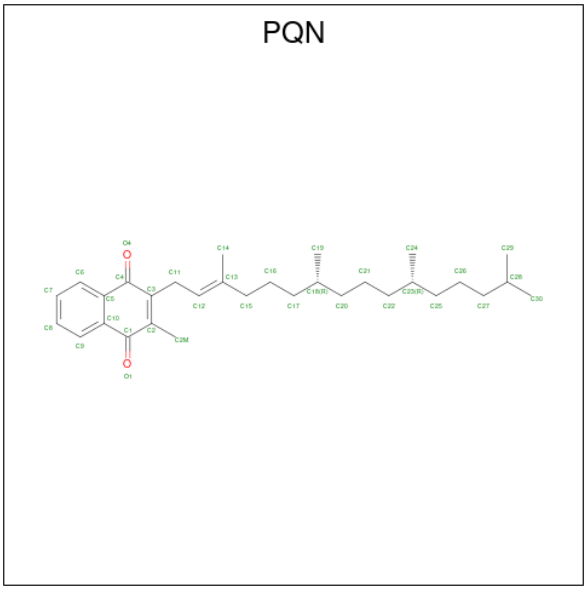
Mol	Chain	Residues	Atoms					AltConf
15	H	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	H	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	H	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	a	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	b	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	b	1	Total	C	Mg	N	O	0
			56	45	1	4	6	
15	b	1	Total	C	Mg	N	O	0
			46	35	1	4	6	
15	b	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
15	b	1	Total	C	Mg	N	O	0
			66	55	1	4	6	

- Molecule 16 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



Mol	Chain	Residues	Atoms			AltConf
16	A	1	Total	C	O	0
			33	31	2	
16	B	1	Total	C	O	0
			33	31	2	

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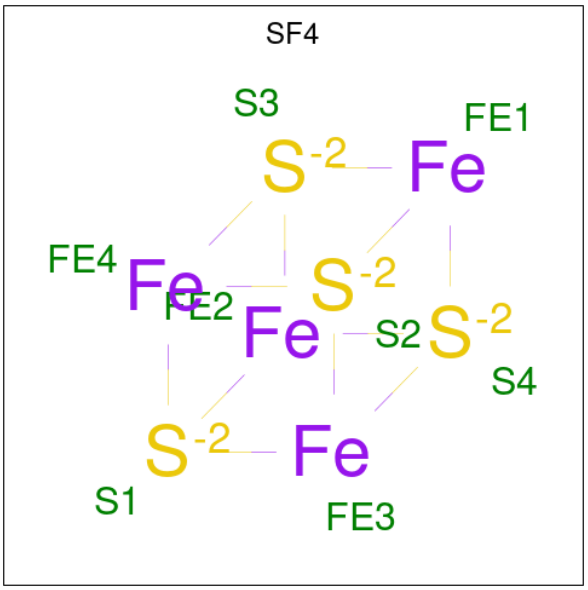
Mol	Chain	Residues	Atoms	AltConf
16	G	1	Total C O 33 31 2	0
16	H	1	Total C O 33 31 2	0
16	a	1	Total C O 33 31 2	0
16	b	1	Total C O 33 31 2	0

- Molecule 17 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total Fe S 8 4 4	0
17	C	1	Total Fe S 8 4 4	0
17	C	1	Total Fe S 8 4 4	0
17	G	1	Total Fe S 8 4 4	0
17	N	1	Total Fe S 8 4 4	0
17	N	1	Total Fe S 8 4 4	0
17	a	1	Total Fe S 8 4 4	0

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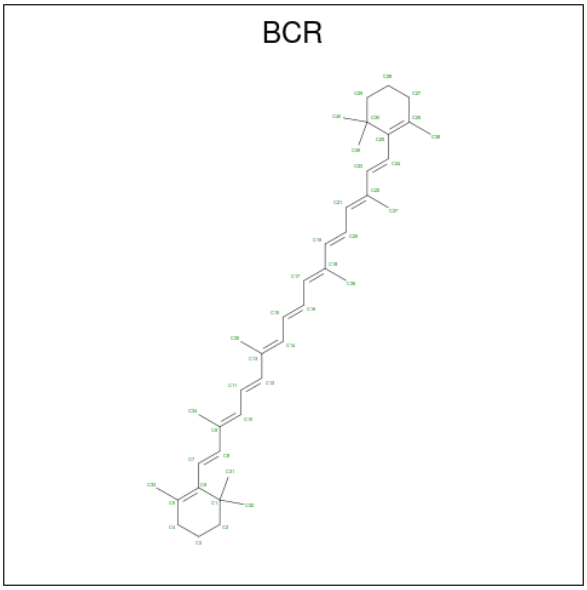
Mol	Chain	Residues	Atoms	AltConf
17	c	1	Total Fe S 8 4 4	0
17	c	1	Total Fe S 8 4 4	0

- Molecule 18 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$).



Mol	Chain	Residues	Atoms	AltConf
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	I	1	Total C 40 40	0
18	I	1	Total C 40 40	0
18	K	1	Total C 40 40	0
18	L	1	Total C 40 40	0
18	L	1	Total C 40 40	0
18	M	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	G	1	Total C 40 40	0
18	H	1	Total C 40 40	0
18	H	1	Total C 40 40	0
18	H	1	Total C 40 40	0
18	H	1	Total C 40 40	0
18	H	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
18	H	1	Total C 40 40	0
18	H	1	Total C 40 40	0
18	R	1	Total C 40 40	0
18	R	1	Total C 40 40	0
18	T	1	Total C 40 40	0
18	U	1	Total C 40 40	0
18	U	1	Total C 40 40	0
18	V	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	a	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0
18	b	1	Total C 40 40	0

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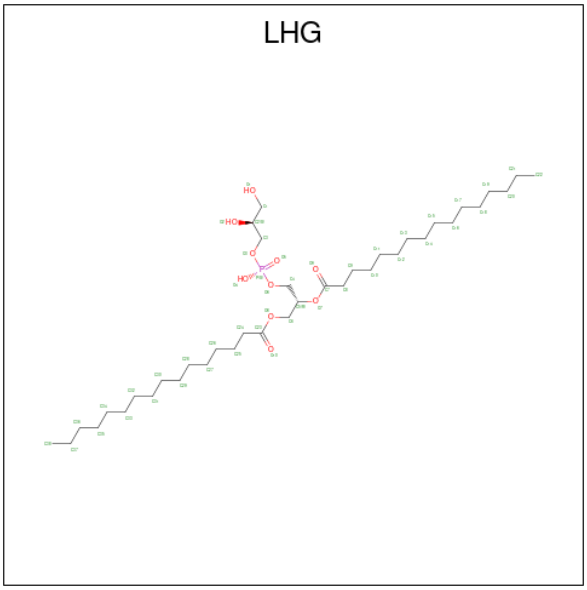
Mol	Chain	Residues	Atoms	AltConf
18	i	1	Total C 40 40	0
18	i	1	Total C 40 40	0
18	k	1	Total C 40 40	0
18	l	1	Total C 40 40	0
18	l	1	Total C 40 40	0
18	m	1	Total C 40 40	0

- Molecule 19 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



Mol	Chain	Residues	Atoms	AltConf
19	A	1	Total C O P 42 31 10 1	0
19	A	1	Total C O P 44 35 8 1	0
19	L	1	Total C O 25 20 5	0
19	L	1	Total C O P 49 38 10 1	0
19	G	1	Total C O P 42 31 10 1	0

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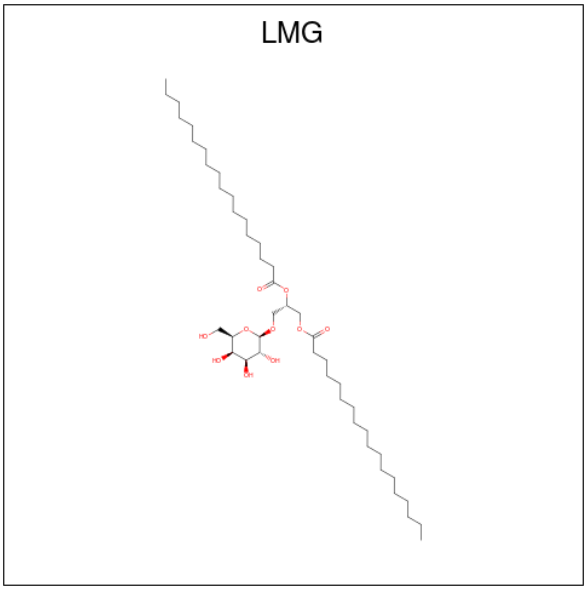
Mol	Chain	Residues	Atoms	AltConf
19	G	1	Total C O P 44 35 8 1	0
19	U	1	Total C O 25 20 5	0
19	U	1	Total C O P 49 38 10 1	0
19	a	1	Total C O P 42 31 10 1	0
19	a	1	Total C O P 44 35 8 1	0
19	l	1	Total C O 25 20 5	0
19	l	1	Total C O P 49 38 10 1	0

- Molecule 20 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



Mol	Chain	Residues	Atoms	AltConf
20	A	1	Total C O 46 36 10	0
20	B	1	Total C O 46 36 10	0
20	I	1	Total C O 37 27 10	0
20	G	1	Total C O 46 36 10	0

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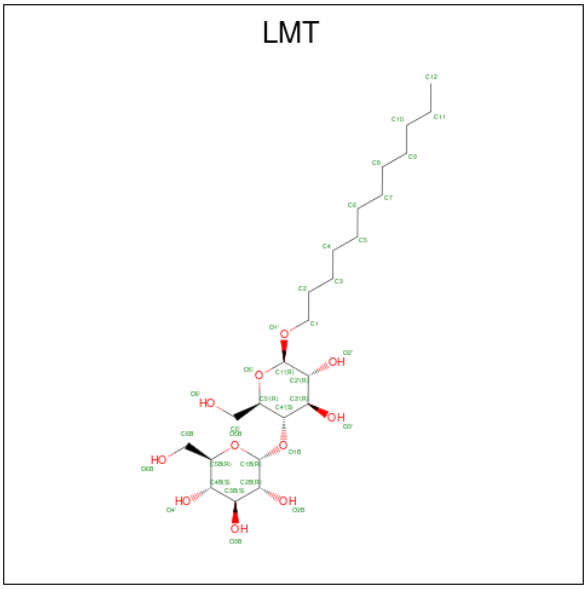
Mol	Chain	Residues	Atoms	AltConf
20	H	1	Total C O 46 36 10	0
20	R	1	Total C O 37 27 10	0
20	a	1	Total C O 46 36 10	0
20	b	1	Total C O 46 36 10	0
20	i	1	Total C O 37 27 10	0

- Molecule 21 is DODECYL-BETA-D-MALTOSIDE (CCD ID: LMT) (formula: $C_{24}H_{46}O_{11}$).



Mol	Chain	Residues	Atoms	AltConf
21	A	1	Total C O 31 20 11	0
21	A	1	Total C O 28 17 11	0
21	A	1	Total C O 32 21 11	0
21	A	1	Total C O 24 18 6	0
21	B	1	Total C O 35 24 11	0
21	B	1	Total C O 35 24 11	0

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Mol	Chain	Residues	Atoms			AltConf
21	B	1	Total	C	O	0
			35	24	11	
21	B	1	Total	C	O	0
			31	20	11	
21	I	1	Total	C	O	0
			35	24	11	
21	L	1	Total	C	O	0
			14	13	1	
21	L	1	Total	C	O	0
			35	24	11	
21	L	1	Total	C	O	0
			35	24	11	
21	M	1	Total	C	O	0
			35	24	11	
21	G	1	Total	C	O	0
			31	20	11	
21	G	1	Total	C	O	0
			28	17	11	
21	G	1	Total	C	O	0
			32	21	11	
21	G	1	Total	C	O	0
			24	18	6	
21	H	1	Total	C	O	0
			35	24	11	
21	H	1	Total	C	O	0
			35	24	11	
21	H	1	Total	C	O	0
			35	24	11	
21	H	1	Total	C	O	0
			31	20	11	
21	R	1	Total	C	O	0
			35	24	11	
21	U	1	Total	C	O	0
			14	13	1	
21	U	1	Total	C	O	0
			35	24	11	
21	U	1	Total	C	O	0
			35	24	11	
21	V	1	Total	C	O	0
			35	24	11	
21	a	1	Total	C	O	0
			31	20	11	

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Mol	Chain	Residues	Atoms	AltConf
21	a	1	Total C O 28 17 11	0
21	a	1	Total C O 32 21 11	0
21	a	1	Total C O 24 18 6	0
21	b	1	Total C O 35 24 11	0
21	b	1	Total C O 35 24 11	0
21	b	1	Total C O 35 24 11	0
21	b	1	Total C O 31 20 11	0
21	i	1	Total C O 35 24 11	0
21	l	1	Total C O 14 13 1	0
21	l	1	Total C O 35 24 11	0
21	l	1	Total C O 35 24 11	0
21	m	1	Total C O 35 24 11	0

- Molecule 22 is CHLORIDE ION (CCD ID: CL) (formula: Cl).

Mol	Chain	Residues	Atoms	AltConf
22	A	1	Total Cl 1 1	0
22	G	1	Total Cl 1 1	0
22	a	1	Total Cl 1 1	0

- Molecule 23 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	AltConf
23	L	1	Total Ca 1 1	0
23	U	1	Total Ca 1 1	0

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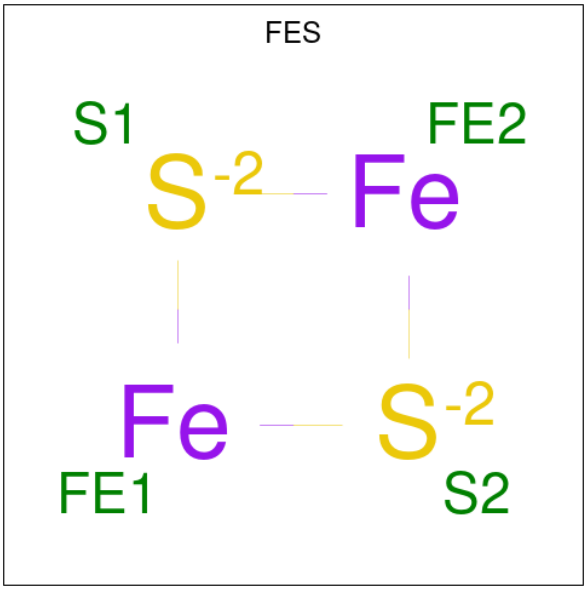
Mol	Chain	Residues	Atoms	AltConf
23	l	1	Total Ca 1 1	0

- Molecule 24 is FE2/S2 (INORGANIC) CLUSTER (CCD ID: FES) (formula: Fe_2S_2).



Mol	Chain	Residues	Atoms	AltConf
24	X	1	Total Fe S 4 2 2	0
24	W	1	Total Fe S 4 2 2	0
24	x	1	Total Fe S 4 2 2	0

- Molecule 25 is water.

Mol	Chain	Residues	Atoms	AltConf
25	A	35	Total O 35 35	0
25	B	35	Total O 35 35	0
25	C	9	Total O 9 9	0
25	D	13	Total O 13 13	0
25	I	4	Total O 4 4	0

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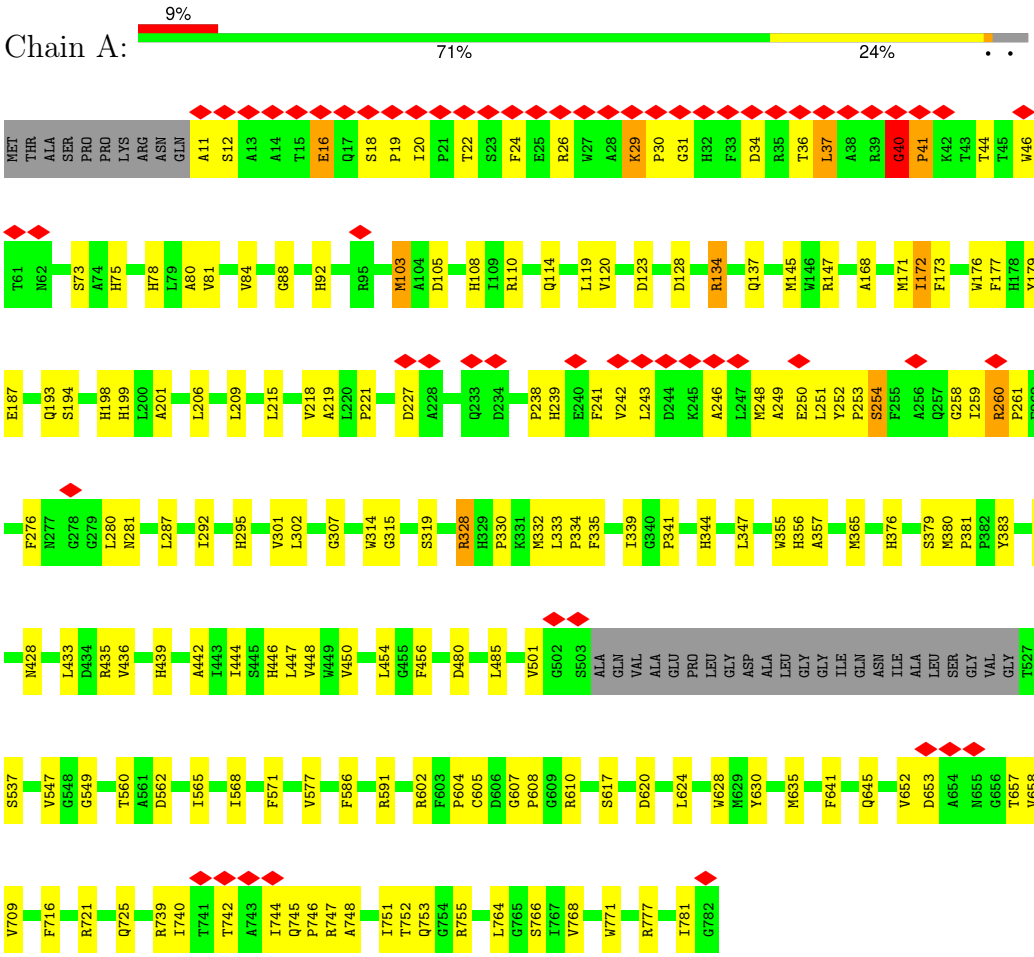
Mol	Chain	Residues	Atoms	AltConf
25	L	15	Total O 15 15	0
25	G	35	Total O 35 35	0
25	H	35	Total O 35 35	0
25	N	9	Total O 9 9	0
25	O	13	Total O 13 13	0
25	R	4	Total O 4 4	0
25	U	15	Total O 15 15	0
25	a	35	Total O 35 35	0
25	b	35	Total O 35 35	0
25	c	9	Total O 9 9	0
25	d	13	Total O 13 13	0
25	i	4	Total O 4 4	0
25	l	15	Total O 15 15	0

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

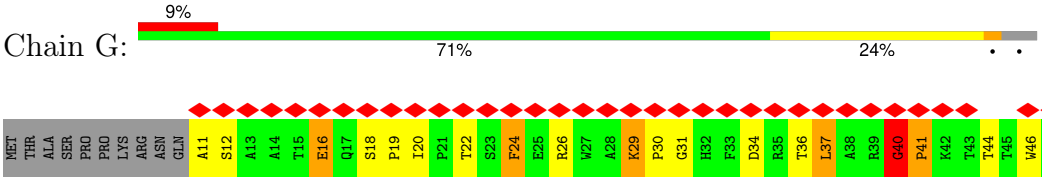
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

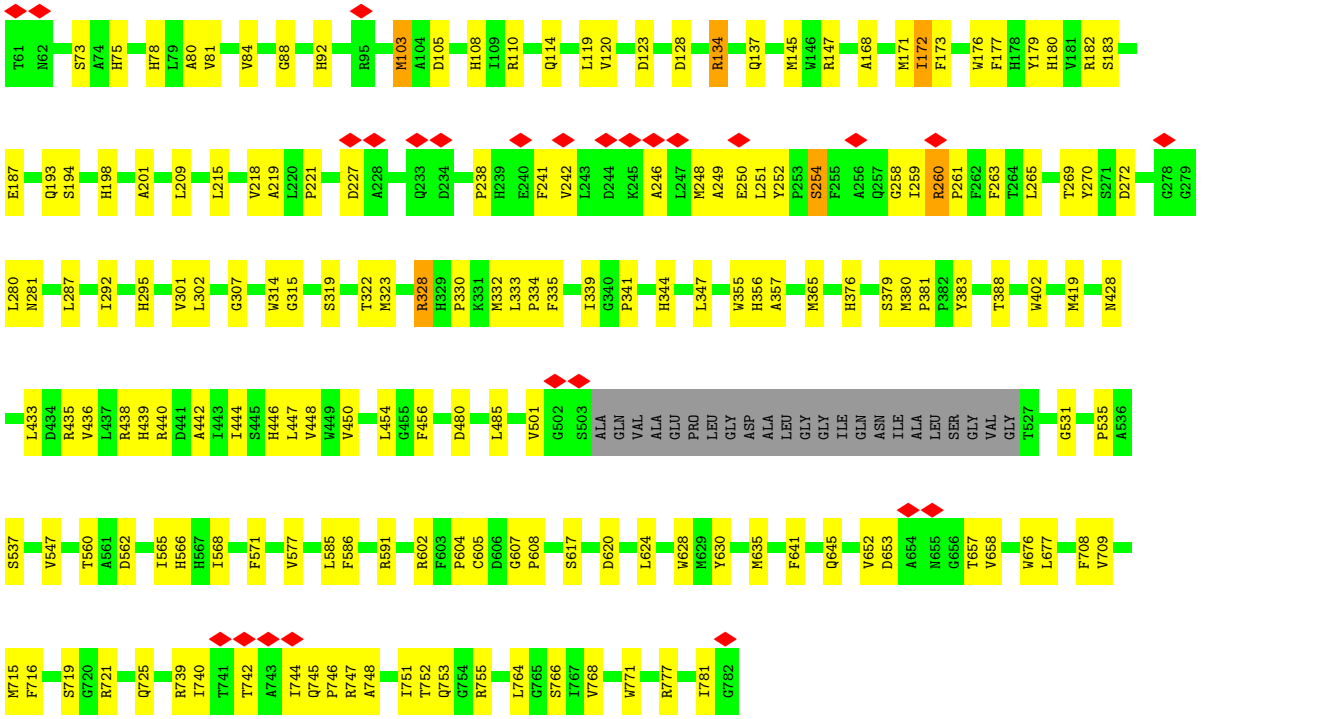
Chain A:



• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

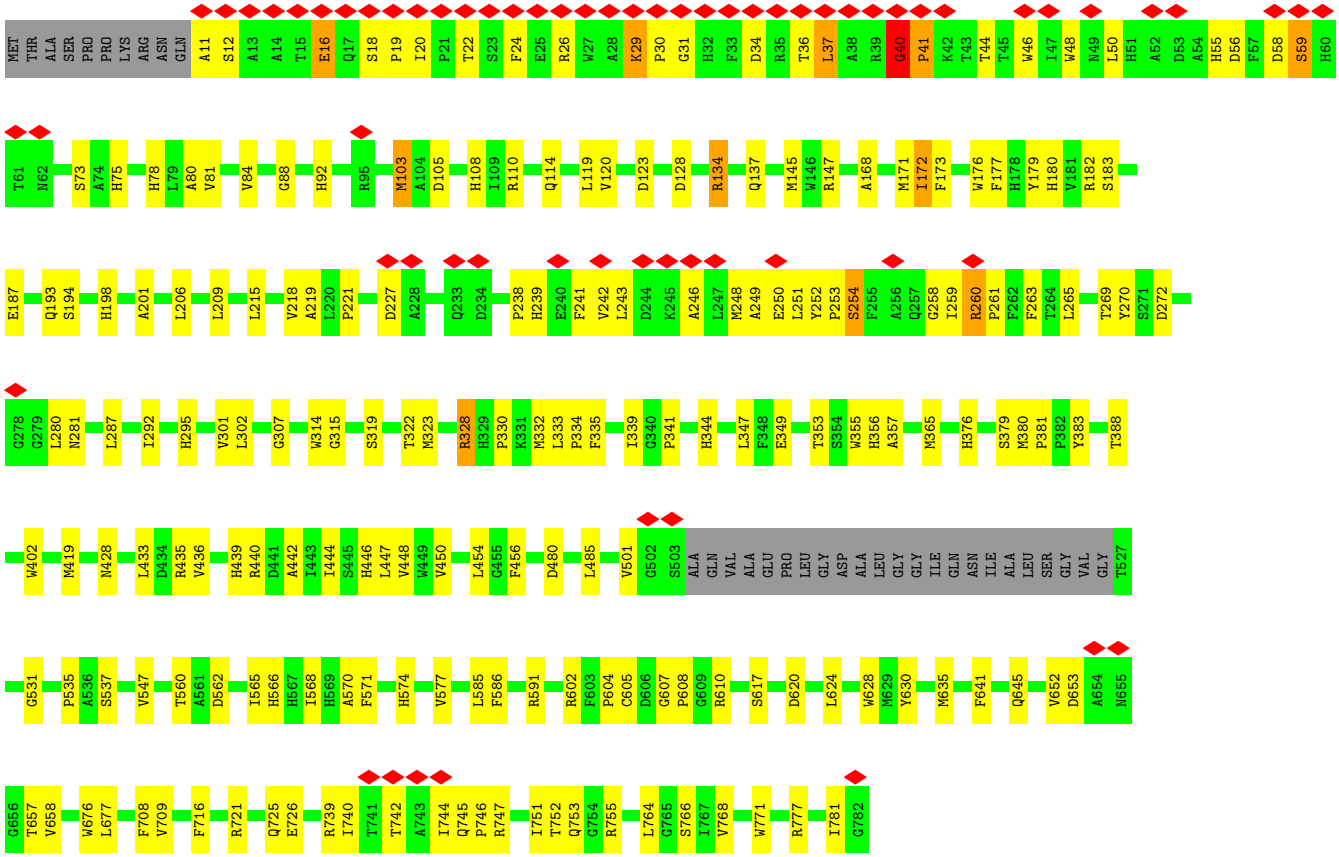
Chain G:





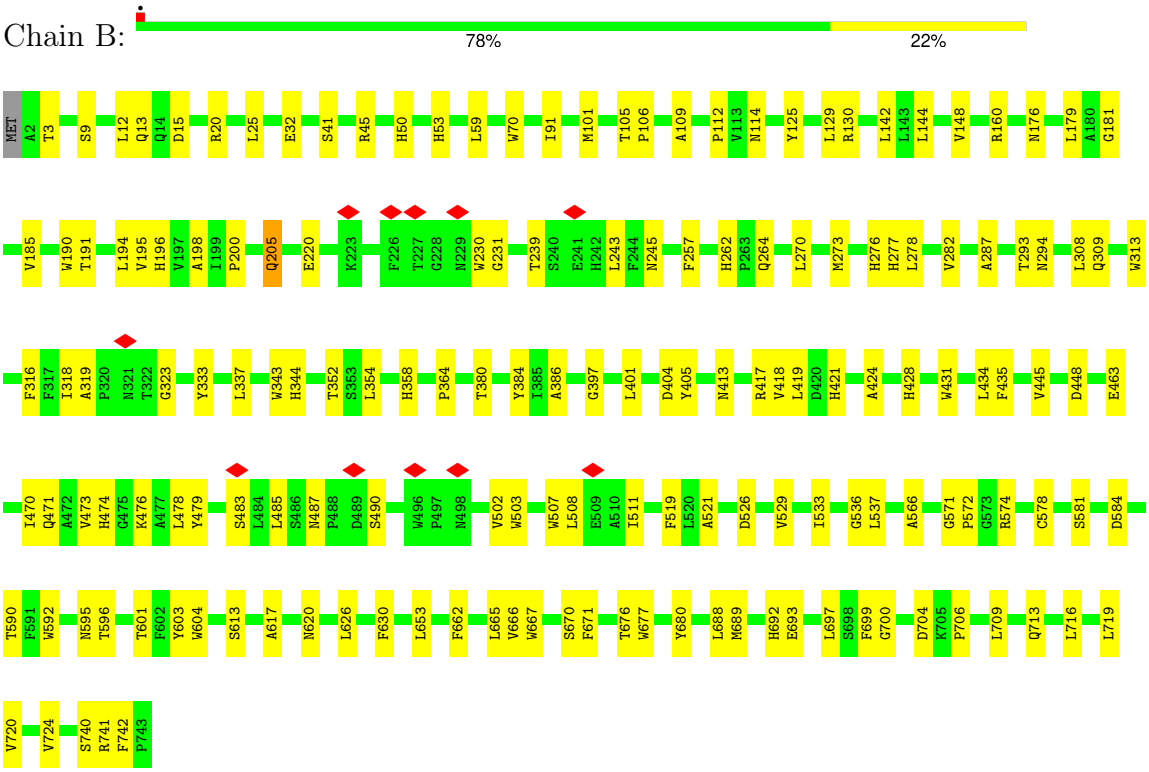
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain a:



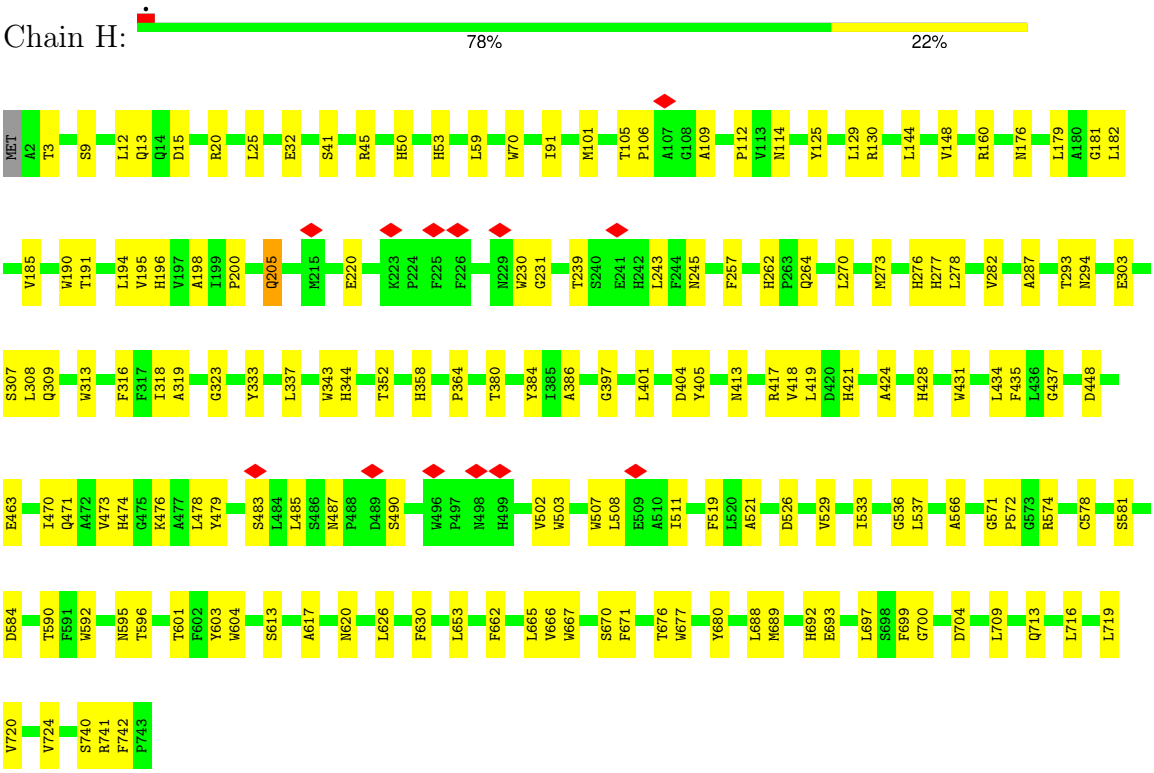
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:



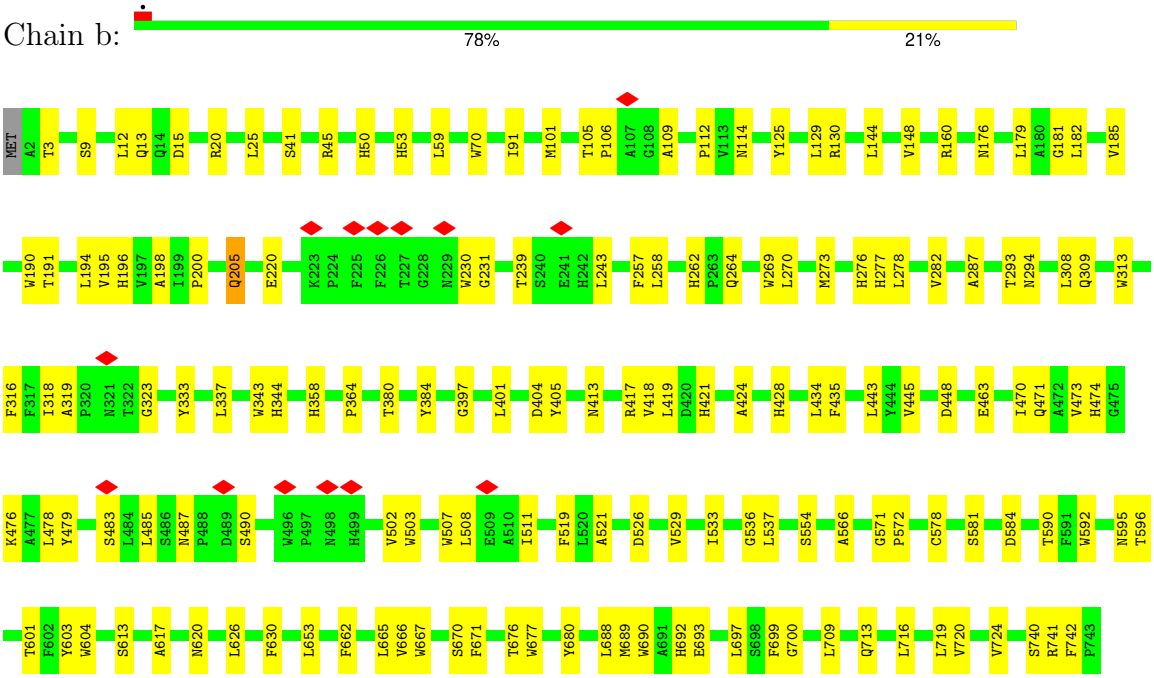
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain H:



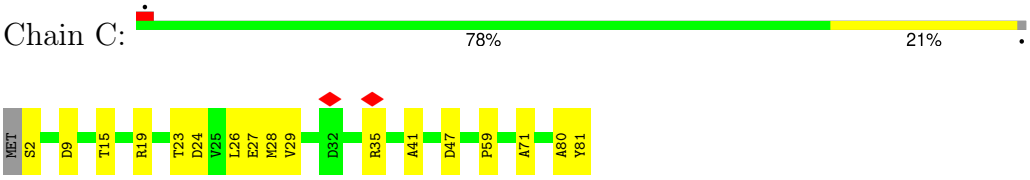
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain b:



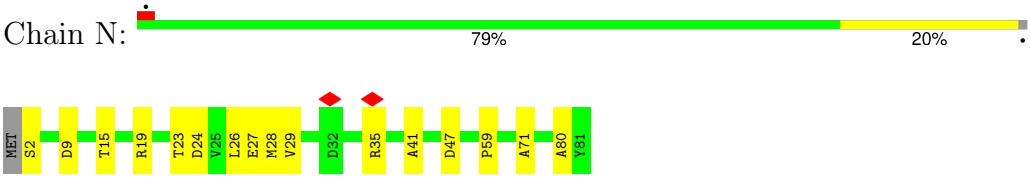
• Molecule 3: PsaC

Chain C:



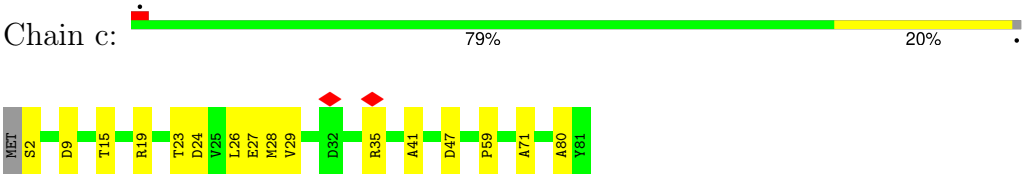
• Molecule 3: PsaC

Chain N:



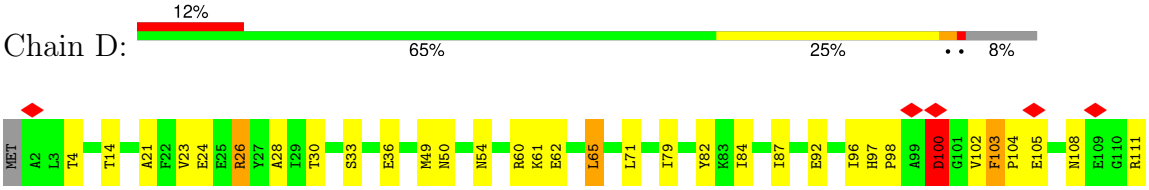
• Molecule 3: PsaC

Chain c:



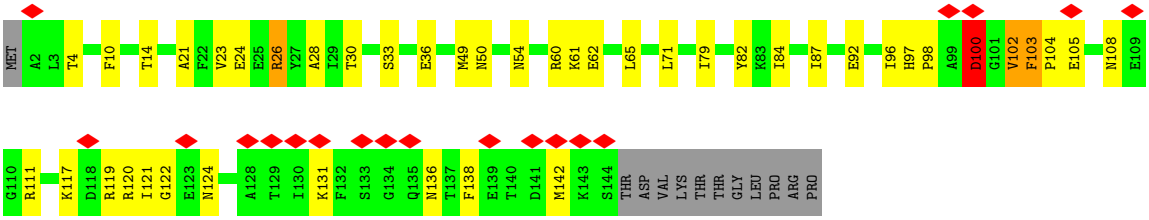
• Molecule 4: Photosystem I 16 kDa polypeptide

Chain D:



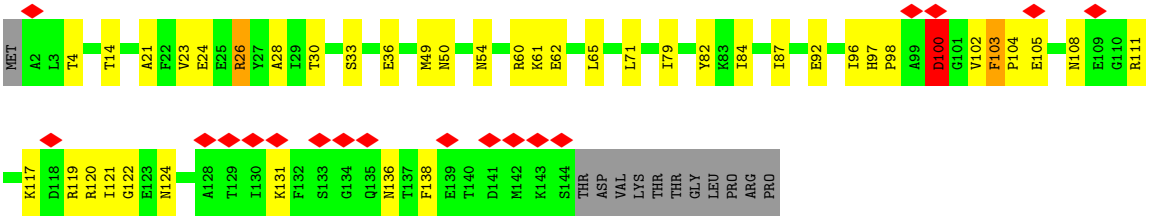
• Molecule 4: Photosystem I 16 kDa polypeptide

Chain O:



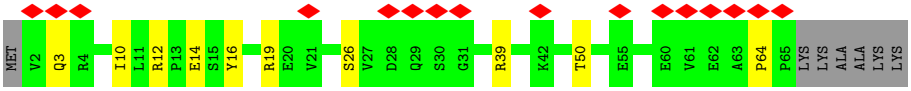
• Molecule 4: Photosystem I 16 kDa polypeptide

Chain d:



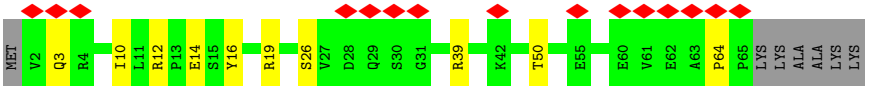
• Molecule 5: Photosystem I reaction center subunit IV

Chain E:



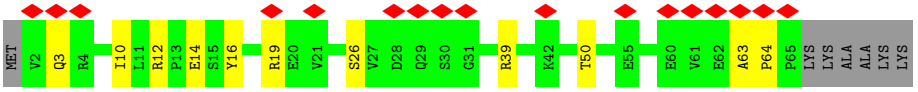
• Molecule 5: Photosystem I reaction center subunit IV

Chain P:



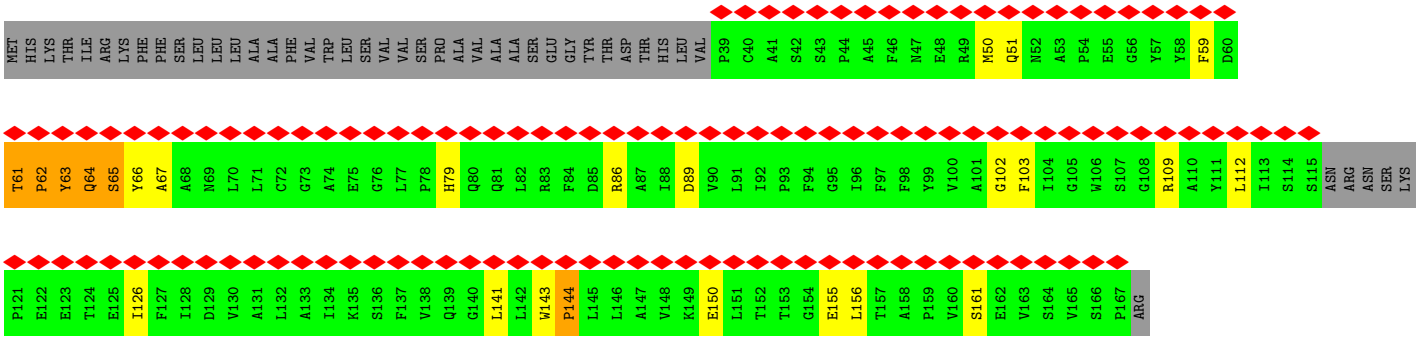
• Molecule 5: Photosystem I reaction center subunit IV

Chain e:



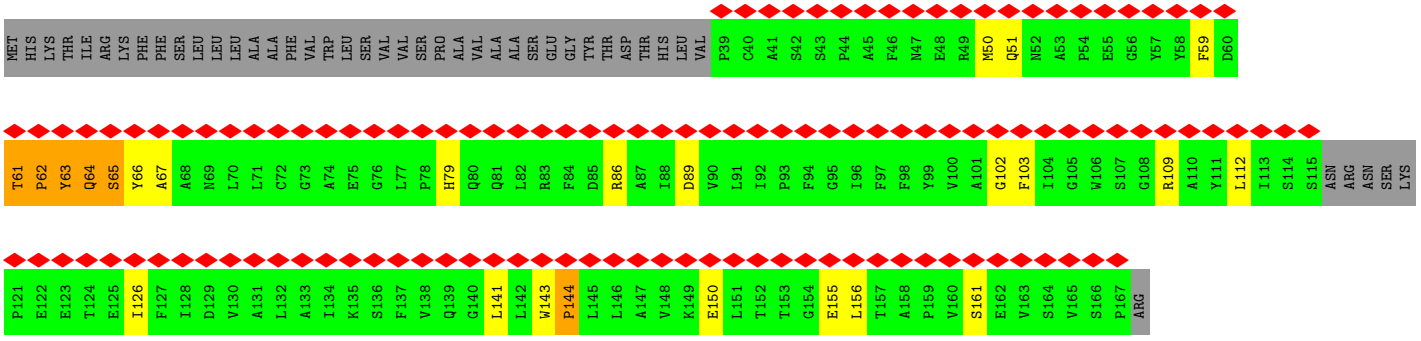
• Molecule 6: PSI-F

Chain F:



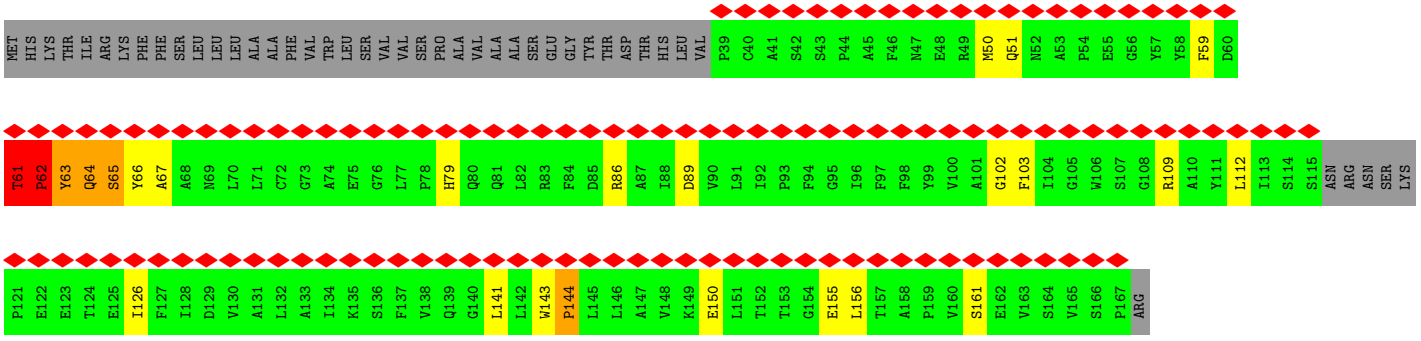
• Molecule 6: PSI-F

Chain Q:



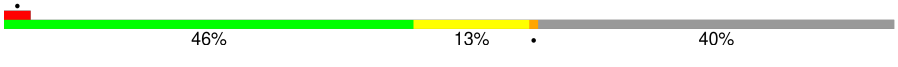
• Molecule 6: PSI-F

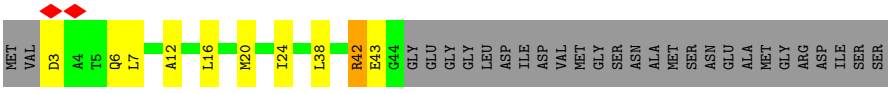
Chain f:



• Molecule 7: PsaI2

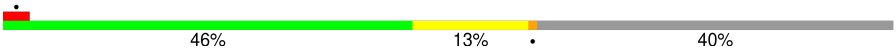
Chain I:

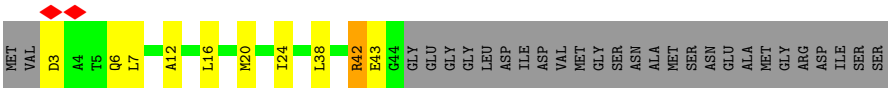




• Molecule 7: PsaI2

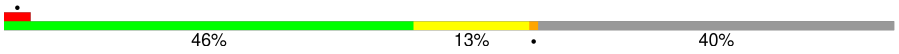
Chain R:

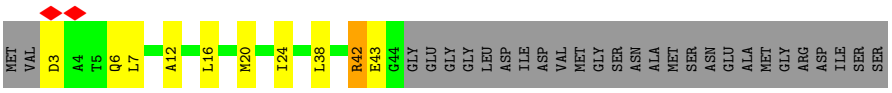




• Molecule 7: PsaI2

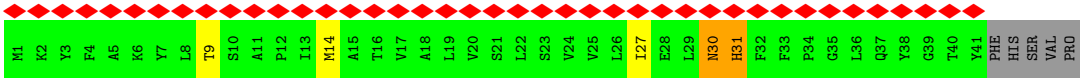
Chain i:





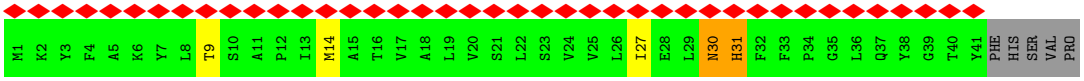
• Molecule 8: Photosystem I reaction center subunit IX

Chain J:



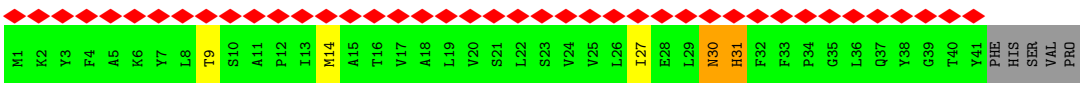
• Molecule 8: Photosystem I reaction center subunit IX

Chain S:



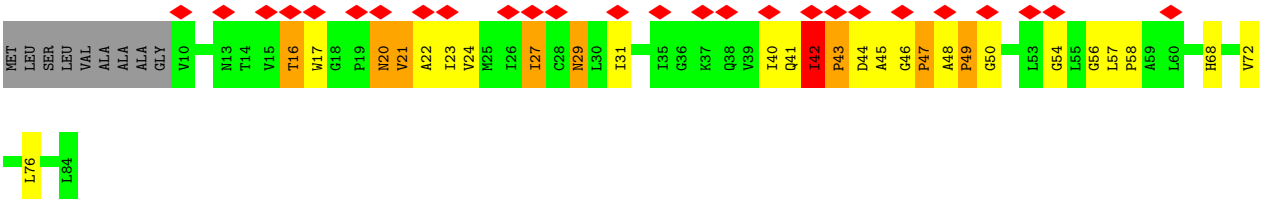
• Molecule 8: Photosystem I reaction center subunit IX

Chain j:



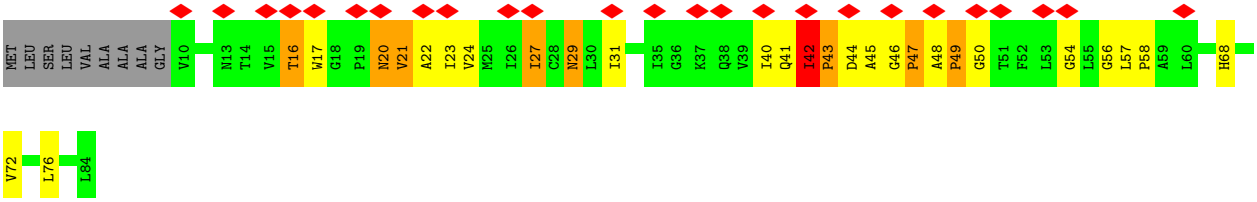
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain K:

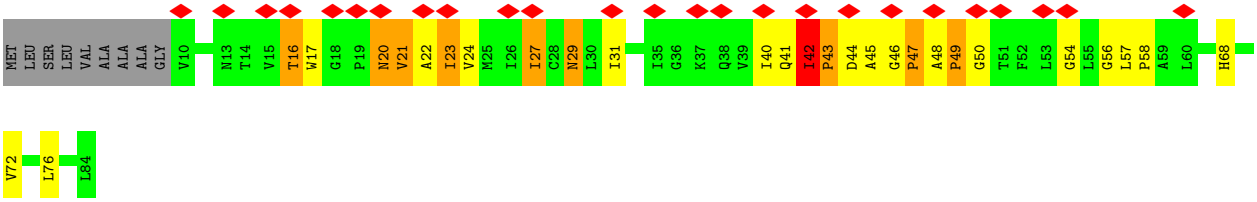


• Molecule 9: Photosystem I reaction center subunit PsaK

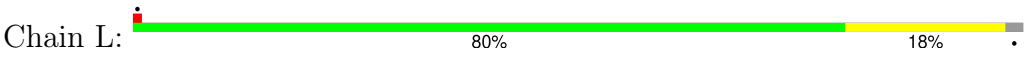
Chain T:

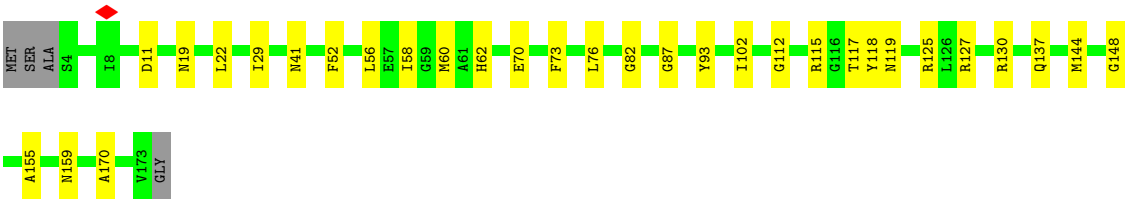


• Molecule 9: Photosystem I reaction center subunit PsaK

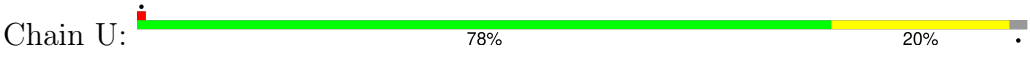


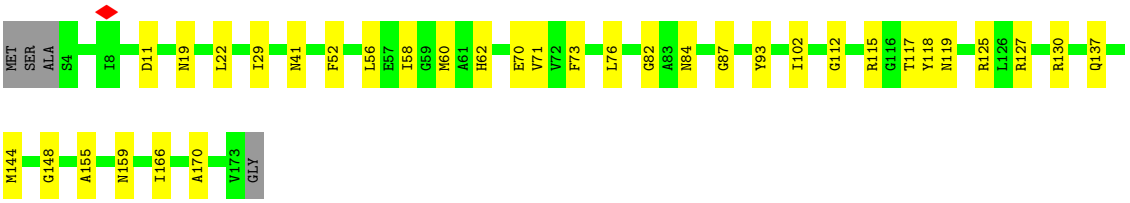
• Molecule 10: PSI subunit V



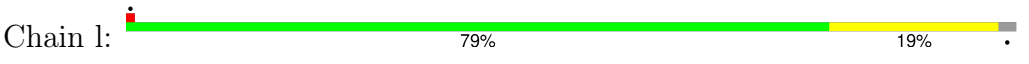


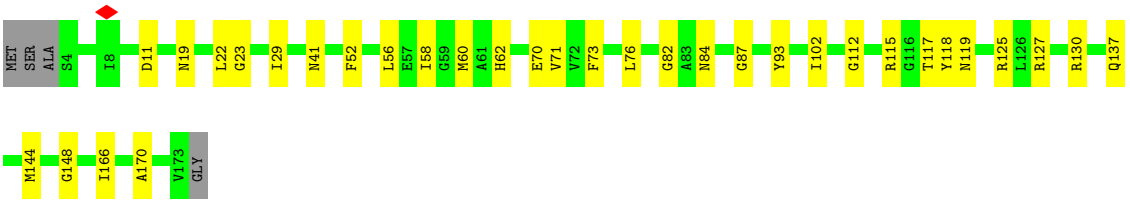
• Molecule 10: PSI subunit V





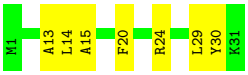
• Molecule 10: PSI subunit V





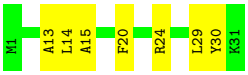
• Molecule 11: PsaM

Chain M:



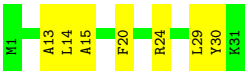
• Molecule 11: PsaM

Chain V:



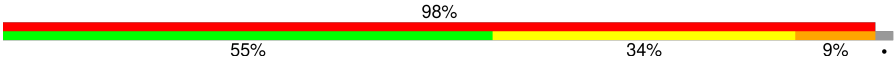
• Molecule 11: PsaM

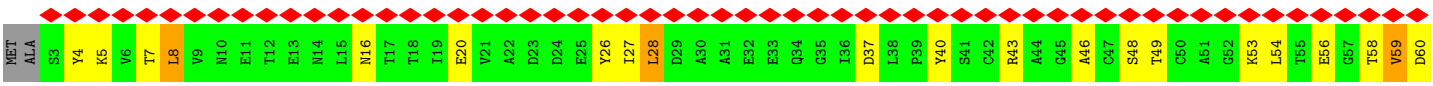
Chain m:

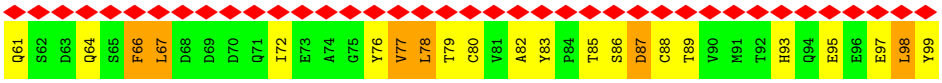


• Molecule 12: 2Fe-2S ferredoxin-type domain-containing protein

Chain X:

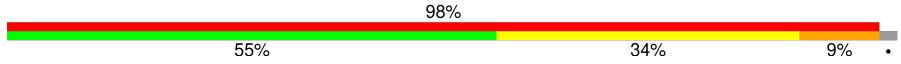


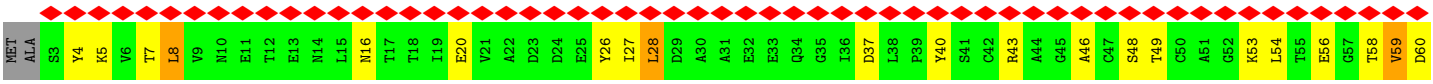


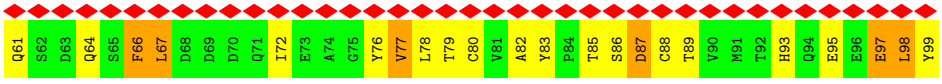


• Molecule 12: 2Fe-2S ferredoxin-type domain-containing protein

Chain W:

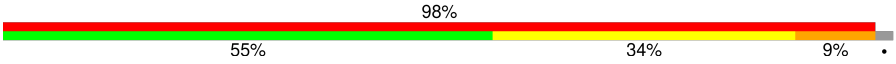


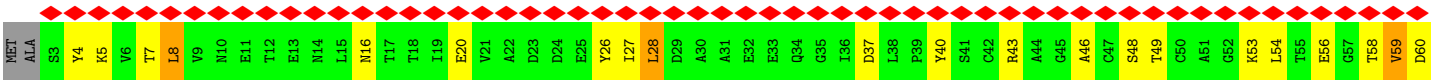


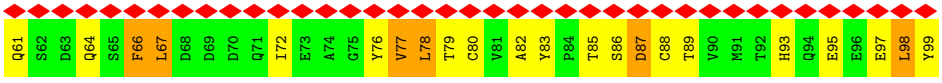


• Molecule 12: 2Fe-2S ferredoxin-type domain-containing protein

Chain x:







4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	286672	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	40.8	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	0.315	Depositor
Minimum map value	-0.201	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.010	Depositor
Recommended contour level	0.0302	Depositor
Map size (Å)	316.8, 316.8, 316.8	wwPDB
Map dimensions	384, 384, 384	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.825, 0.825, 0.825	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: BCR, LMG, PQN, LHG, F6C, SF4, FES, CL0, CA, CL, CLA, LMT

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|>5$	RMSZ	#$\|Z\|>5$
1	A	0.50	0/6045	0.70	1/8233 (0.0%)
1	G	0.50	0/6045	0.70	1/8233 (0.0%)
1	a	0.50	0/6045	0.70	1/8233 (0.0%)
2	B	0.44	0/6124	0.65	1/8377 (0.0%)
2	H	0.44	0/6124	0.65	1/8377 (0.0%)
2	b	0.44	0/6124	0.65	1/8377 (0.0%)
3	C	0.42	0/608	0.64	0/823
3	N	0.42	0/608	0.64	0/823
3	c	0.41	0/608	0.65	0/823
4	D	0.45	0/1125	0.73	0/1515
4	O	0.45	0/1125	0.73	0/1515
4	d	0.46	0/1125	0.73	0/1515
5	E	0.29	0/517	0.51	0/702
5	P	0.29	0/517	0.51	0/702
5	e	0.29	0/517	0.51	0/702
6	F	0.33	0/847	0.74	1/1168 (0.1%)
6	Q	0.34	0/847	0.74	1/1168 (0.1%)
6	f	0.33	0/847	0.74	1/1168 (0.1%)
7	I	0.50	0/357	0.79	0/491
7	R	0.50	0/357	0.80	0/491
7	i	0.50	0/357	0.80	0/491
8	J	0.38	0/302	0.77	1/414 (0.2%)
8	S	0.38	0/302	0.77	1/414 (0.2%)
8	j	0.38	0/302	0.77	1/414 (0.2%)
9	K	0.66	0/526	1.21	2/724 (0.3%)
9	T	0.66	0/526	1.21	2/724 (0.3%)
9	k	0.66	0/526	1.21	2/724 (0.3%)
10	L	0.47	0/1322	0.64	0/1797
10	U	0.47	0/1322	0.64	0/1797
10	l	0.47	0/1322	0.64	0/1797
11	M	0.37	0/235	0.71	1/319 (0.3%)
11	V	0.37	0/235	0.70	1/319 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
11	m	0.37	0/235	0.71	1/319 (0.3%)
12	W	1.00	0/657	1.03	1/900 (0.1%)
12	X	1.00	0/657	1.04	1/900 (0.1%)
12	x	1.00	0/657	1.04	1/900 (0.1%)
All	All	0.49	0/55995	0.71	24/76389 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
2	B	0	2
2	H	0	2
2	b	0	2
4	D	0	2
4	O	0	2
4	d	0	2
All	All	0	12

There are no bond length outliers.

All (24) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	K	42	ILE	C-N-CD	-14.41	65.92	125.00
9	k	42	ILE	C-N-CD	-14.41	65.92	125.00
9	T	42	ILE	C-N-CD	-14.40	65.96	125.00
6	Q	61	THR	C-N-CD	-14.37	66.07	125.00
6	f	61	THR	C-N-CD	-14.37	66.09	125.00
6	F	61	THR	C-N-CD	-14.36	66.11	125.00
9	k	46	GLY	C-N-CD	-11.53	77.73	125.00
9	K	46	GLY	C-N-CD	-11.52	77.75	125.00
9	T	46	GLY	C-N-CD	-11.52	77.76	125.00
1	a	40	GLY	C-N-CD	-9.10	87.67	125.00
1	A	40	GLY	C-N-CD	-9.10	87.71	125.00
1	G	40	GLY	C-N-CD	-9.09	87.72	125.00
2	b	502	VAL	N-CA-C	-7.89	104.89	111.91
2	H	502	VAL	N-CA-C	-7.86	104.91	111.91
2	B	502	VAL	N-CA-C	-7.85	104.92	111.91
11	V	30	TYR	N-CA-C	6.14	118.09	110.91
11	m	30	TYR	N-CA-C	6.11	118.05	110.91
11	M	30	TYR	N-CA-C	6.09	118.03	110.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
8	j	30	ASN	N-CA-C	-5.87	107.93	114.62
8	S	30	ASN	N-CA-C	-5.86	107.94	114.62
8	J	30	ASN	N-CA-C	-5.83	107.97	114.62
12	x	88	CYS	CB-CA-C	-5.31	110.43	116.54
12	X	88	CYS	CB-CA-C	-5.30	110.44	116.54
12	W	88	CYS	CB-CA-C	-5.29	110.46	116.54

There are no chirality outliers.

All (12) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	B	677	TRP	Peptide
2	B	742	PHE	Mainchain
4	D	100	ASP	Peptide
4	D	136	ASN	Peptide
2	H	677	TRP	Peptide
2	H	742	PHE	Mainchain
4	O	100	ASP	Peptide
4	O	136	ASN	Peptide
2	b	677	TRP	Peptide
2	b	742	PHE	Mainchain
4	d	100	ASP	Peptide
4	d	136	ASN	Peptide

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5849	0	5643	198	0
1	G	5849	0	5643	198	0
1	a	5849	0	5643	203	0
2	B	5900	0	5643	131	0
2	H	5900	0	5643	132	0
2	b	5900	0	5643	129	0
3	C	598	0	573	16	0
3	N	598	0	573	15	0
3	c	598	0	573	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	D	1102	0	1082	40	0
4	O	1102	0	1082	41	0
4	d	1102	0	1082	37	0
5	E	506	0	501	10	0
5	P	506	0	501	10	0
5	e	506	0	501	11	0
6	F	826	0	703	25	0
6	Q	826	0	703	24	0
6	f	826	0	703	27	0
7	I	343	0	339	11	0
7	R	343	0	339	11	0
7	i	343	0	339	11	0
8	J	296	0	294	2	0
8	S	296	0	294	2	0
8	j	296	0	294	2	0
9	K	516	0	560	24	0
9	T	516	0	560	24	0
9	k	516	0	560	24	0
10	L	1291	0	1286	27	0
10	U	1291	0	1286	29	0
10	l	1291	0	1286	27	0
11	M	232	0	249	8	0
11	V	232	0	249	8	0
11	m	232	0	249	9	0
12	W	649	0	532	59	0
12	X	649	0	532	56	0
12	x	649	0	532	56	0
13	A	65	0	72	6	0
13	G	65	0	72	6	0
13	a	65	0	72	6	0
14	A	2330	0	2168	104	0
14	B	2255	0	2285	117	0
14	G	2330	0	2168	102	0
14	H	2255	0	2285	126	0
14	K	45	0	32	4	0
14	L	190	0	203	29	0
14	M	50	0	39	5	0
14	T	45	0	32	4	0
14	U	190	0	203	30	0
14	V	50	0	39	5	0
14	a	2330	0	2168	98	0
14	b	2255	0	2285	120	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	k	45	0	32	4	0
14	l	190	0	203	28	0
14	m	50	0	39	5	0
15	A	46	0	0	2	0
15	B	300	0	0	7	0
15	G	46	0	0	2	0
15	H	300	0	0	7	0
15	a	46	0	0	2	0
15	b	300	0	0	7	0
16	A	33	0	46	3	0
16	B	33	0	46	3	0
16	G	33	0	46	2	0
16	H	33	0	46	3	0
16	a	33	0	46	4	0
16	b	33	0	46	4	0
17	A	8	0	0	0	0
17	C	16	0	0	0	0
17	G	8	0	0	0	0
17	N	16	0	0	0	0
17	a	8	0	0	0	0
17	c	16	0	0	0	0
18	A	240	0	291	17	0
18	B	280	0	342	20	0
18	G	240	0	291	16	0
18	H	280	0	342	18	0
18	I	80	0	97	8	0
18	K	40	0	49	2	0
18	L	80	0	98	6	0
18	M	40	0	48	4	0
18	R	80	0	97	10	0
18	T	40	0	49	3	0
18	U	80	0	98	6	0
18	V	40	0	48	5	0
18	a	240	0	291	18	0
18	b	280	0	342	17	0
18	i	80	0	97	8	0
18	k	40	0	49	2	0
18	l	80	0	98	4	0
18	m	40	0	48	5	0
19	A	86	0	121	5	0
19	G	86	0	121	5	0
19	L	74	0	105	3	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	U	74	0	105	4	0
19	a	86	0	121	5	0
19	l	74	0	105	3	0
20	A	46	0	65	3	0
20	B	46	0	62	5	0
20	G	46	0	65	3	0
20	H	46	0	62	5	0
20	I	37	0	44	1	0
20	R	37	0	44	1	0
20	a	46	0	65	4	0
20	b	46	0	62	5	0
20	i	37	0	44	1	0
21	A	115	0	122	1	0
21	B	136	0	167	6	0
21	G	115	0	122	1	0
21	H	136	0	168	5	0
21	I	35	0	45	3	0
21	L	84	0	112	4	0
21	M	35	0	43	0	0
21	R	35	0	45	3	0
21	U	84	0	112	4	0
21	V	35	0	43	0	0
21	a	115	0	121	1	0
21	b	136	0	167	5	0
21	i	35	0	45	2	0
21	l	84	0	112	4	0
21	m	35	0	43	0	0
22	A	1	0	0	0	0
22	G	1	0	0	0	0
22	a	1	0	0	0	0
23	L	1	0	0	0	0
23	U	1	0	0	0	0
23	l	1	0	0	0	0
24	W	4	0	0	0	0
24	X	4	0	0	0	0
24	x	4	0	0	0	0
25	A	35	0	0	4	0
25	B	35	0	0	0	0
25	C	9	0	0	1	0
25	D	13	0	0	0	0
25	G	35	0	0	4	0
25	H	35	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	I	4	0	0	0	0
25	L	15	0	0	2	0
25	N	9	0	0	1	0
25	O	13	0	0	0	0
25	R	4	0	0	0	0
25	U	15	0	0	2	0
25	a	35	0	0	4	0
25	b	35	0	0	0	0
25	c	9	0	0	1	0
25	d	13	0	0	0	0
25	i	4	0	0	0	0
25	l	15	0	0	2	0
All	All	75150	0	72321	2094	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 14.

All (2094) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:x:61:GLN:CD	12:x:77:VAL:HG12	1.51	1.34
14:L:1501:CLA:C20	14:L:1503:CLA:H141	1.58	1.33
14:U:1501:CLA:C20	14:U:1503:CLA:H141	1.58	1.33
12:X:61:GLN:CD	12:X:77:VAL:HG12	1.51	1.33
1:a:16:GLU:CB	1:a:182:ARG:CG	2.08	1.32
14:l:1501:CLA:C20	14:l:1503:CLA:H141	1.58	1.32
12:W:61:GLN:CD	12:W:77:VAL:HG12	1.51	1.32
1:A:16:GLU:CB	1:A:182:ARG:HG3	1.58	1.32
1:a:16:GLU:CB	1:a:182:ARG:HG3	1.58	1.31
1:G:16:GLU:CB	1:G:182:ARG:HG3	1.58	1.31
1:A:16:GLU:CB	1:A:182:ARG:CG	2.08	1.31
4:D:119:ARG:NH2	4:D:124:ASN:HD22	1.28	1.30
4:d:119:ARG:NH2	4:d:124:ASN:HD22	1.28	1.30
1:G:16:GLU:CB	1:G:182:ARG:CG	2.08	1.30
4:O:119:ARG:NH2	4:O:124:ASN:HD22	1.28	1.29
1:A:16:GLU:HA	1:A:183:SER:O	1.33	1.29
1:G:16:GLU:HA	1:G:183:SER:O	1.33	1.26
4:O:119:ARG:HH21	4:O:124:ASN:ND2	1.34	1.25
4:D:119:ARG:HH21	4:D:124:ASN:ND2	1.34	1.25
12:x:61:GLN:HE22	12:x:77:VAL:CG1	1.50	1.24
12:X:61:GLN:NE2	12:X:77:VAL:HG12	1.53	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:d:119:ARG:HH21	4:d:124:ASN:ND2	1.34	1.23
12:W:61:GLN:NE2	12:W:77:VAL:CG1	2.02	1.23
4:O:119:ARG:NH2	4:O:124:ASN:ND2	1.86	1.23
12:W:61:GLN:NE2	12:W:77:VAL:HG12	1.53	1.23
12:x:61:GLN:NE2	12:x:77:VAL:HG12	1.53	1.23
12:W:61:GLN:HE22	12:W:77:VAL:CG1	1.49	1.23
12:X:61:GLN:NE2	12:X:77:VAL:CG1	2.02	1.22
1:a:16:GLU:HA	1:a:183:SER:O	1.33	1.22
12:X:61:GLN:HE22	12:X:77:VAL:CG1	1.50	1.21
4:d:119:ARG:NH2	4:d:124:ASN:ND2	1.86	1.20
12:x:61:GLN:NE2	12:x:77:VAL:CG1	2.02	1.20
4:D:119:ARG:NH2	4:D:124:ASN:ND2	1.86	1.19
12:X:76:TYR:CD1	12:X:98:LEU:CD2	2.26	1.19
12:x:61:GLN:OE1	12:x:77:VAL:HG12	1.43	1.18
12:x:76:TYR:CD1	12:x:98:LEU:CD2	2.26	1.18
12:W:76:TYR:CD1	12:W:98:LEU:CD2	2.26	1.18
12:W:61:GLN:OE1	12:W:77:VAL:HG12	1.43	1.15
12:X:61:GLN:OE1	12:X:77:VAL:HG12	1.43	1.14
4:O:100:ASP:OD2	4:O:108:ASN:ND2	1.80	1.14
4:D:100:ASP:OD2	4:D:108:ASN:ND2	1.80	1.14
4:d:100:ASP:OD2	4:d:108:ASN:ND2	1.80	1.13
12:W:76:TYR:CE1	12:W:98:LEU:HD23	1.84	1.13
12:x:76:TYR:CE1	12:x:98:LEU:HD23	1.84	1.12
12:x:4:TYR:CB	12:x:86:SER:O	1.99	1.11
12:X:76:TYR:CE1	12:X:98:LEU:HD23	1.84	1.10
12:X:4:TYR:CB	12:X:86:SER:O	1.99	1.10
1:G:11:ALA:N	1:G:182:ARG:NH2	2.01	1.09
1:a:16:GLU:CB	1:a:182:ARG:HG2	1.82	1.09
12:x:76:TYR:CD1	12:x:98:LEU:HD23	1.87	1.09
12:X:76:TYR:CD1	12:X:98:LEU:HD21	1.88	1.08
1:A:11:ALA:N	1:A:182:ARG:NH2	2.01	1.08
12:W:4:TYR:CB	12:W:86:SER:O	1.99	1.08
12:W:76:TYR:CD1	12:W:98:LEU:HD21	1.88	1.07
1:a:11:ALA:N	1:a:182:ARG:NH2	2.01	1.06
12:X:76:TYR:CD1	12:X:98:LEU:HD23	1.87	1.06
1:G:16:GLU:CB	1:G:182:ARG:HG2	1.82	1.06
14:L:1501:CLA:H201	14:L:1503:CLA:H141	1.35	1.06
14:l:1501:CLA:H201	14:l:1503:CLA:H141	1.35	1.06
1:a:254:SER:OG	1:a:269:THR:O	1.74	1.06
1:A:254:SER:OG	1:A:269:THR:O	1.74	1.05
12:x:76:TYR:CD1	12:x:98:LEU:HD21	1.88	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:W:54:LEU:HD11	12:W:59:VAL:HG22	1.37	1.05
12:W:76:TYR:CD1	12:W:98:LEU:HD23	1.87	1.04
1:a:11:ALA:N	1:a:182:ARG:HH22	1.55	1.03
12:X:54:LEU:HD11	12:X:59:VAL:HG22	1.37	1.03
1:G:11:ALA:N	1:G:182:ARG:HH22	1.54	1.03
1:A:11:ALA:N	1:A:182:ARG:HH22	1.55	1.03
14:U:1501:CLA:H201	14:U:1503:CLA:H141	1.35	1.02
12:x:54:LEU:HD11	12:x:59:VAL:HG22	1.38	1.02
1:G:254:SER:OG	1:G:269:THR:O	1.74	1.02
1:A:16:GLU:CB	1:A:182:ARG:HG2	1.82	1.02
14:l:1501:CLA:H201	14:l:1503:CLA:C14	1.92	0.99
14:U:1501:CLA:H201	14:U:1503:CLA:C14	1.92	0.99
14:L:1501:CLA:H201	14:L:1503:CLA:C14	1.92	0.98
1:A:41:PRO:HG2	6:F:126:ILE:HD11	1.44	0.98
12:W:54:LEU:HD11	12:W:59:VAL:CG2	1.95	0.97
1:G:41:PRO:HG2	6:Q:126:ILE:HD11	1.43	0.97
12:X:54:LEU:HD11	12:X:59:VAL:CG2	1.95	0.97
1:a:41:PRO:HG2	6:f:126:ILE:HD11	1.44	0.97
14:L:1501:CLA:C20	14:L:1503:CLA:C14	2.43	0.97
14:l:1501:CLA:C20	14:l:1503:CLA:C14	2.43	0.97
1:A:18:SER:CB	1:A:183:SER:OG	2.13	0.96
1:G:18:SER:CB	1:G:183:SER:OG	2.13	0.96
1:a:18:SER:CB	1:a:183:SER:OG	2.13	0.96
14:U:1501:CLA:C20	14:U:1503:CLA:C14	2.43	0.95
12:x:54:LEU:HD11	12:x:59:VAL:CG2	1.95	0.95
14:G:1113:CLA:HBA1	14:G:1113:CLA:CHA	1.96	0.95
14:a:1113:CLA:HBA1	14:a:1113:CLA:CHA	1.96	0.94
14:L:1501:CLA:H203	14:L:1503:CLA:H141	1.51	0.92
9:T:42:ILE:HD12	9:T:42:ILE:H	1.35	0.92
14:A:1113:CLA:HBA1	14:A:1113:CLA:CHA	1.96	0.92
9:K:42:ILE:H	9:K:42:ILE:HD12	1.35	0.92
9:k:42:ILE:H	9:k:42:ILE:HD12	1.35	0.92
14:G:1113:CLA:HBA1	14:G:1113:CLA:CBD	2.00	0.91
14:l:1501:CLA:H203	14:l:1503:CLA:H141	1.51	0.91
14:a:1113:CLA:HBA1	14:a:1113:CLA:CBD	2.00	0.90
14:G:1113:CLA:HBA1	14:G:1113:CLA:HBD	1.54	0.90
14:A:1113:CLA:HBA1	14:A:1113:CLA:CBD	2.00	0.89
14:U:1501:CLA:H203	14:U:1503:CLA:H141	1.51	0.89
14:A:1113:CLA:HBA1	14:A:1113:CLA:HBD	1.54	0.89
12:W:61:GLN:CD	12:W:77:VAL:CG1	2.42	0.89
14:a:1113:CLA:HBA1	14:a:1113:CLA:HBD	1.54	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:43:PRO:HG3	9:K:54:GLY:O	1.75	0.87
12:X:61:GLN:HE22	12:X:77:VAL:HG13	1.40	0.87
10:L:60:MET:SD	14:L:1501:CLA:HED1	2.15	0.86
1:a:605:CYS:O	25:a:8034:HOH:O	1.94	0.86
10:l:60:MET:SD	14:l:1501:CLA:HED1	2.15	0.86
12:W:61:GLN:HE22	12:W:77:VAL:HG13	1.40	0.86
1:a:16:GLU:CA	1:a:183:SER:O	2.22	0.86
9:T:43:PRO:HG3	9:T:54:GLY:O	1.75	0.86
1:a:168:ALA:O	1:a:172:ILE:HG23	1.76	0.86
1:A:605:CYS:O	25:A:8034:HOH:O	1.94	0.85
12:x:61:GLN:HE22	12:x:77:VAL:HG13	1.40	0.85
10:U:60:MET:SD	14:U:1501:CLA:HED1	2.15	0.85
9:k:43:PRO:HG3	9:k:54:GLY:O	1.75	0.85
12:x:49:THR:HA	12:x:95:GLU:OE1	1.77	0.85
1:G:16:GLU:CA	1:G:183:SER:O	2.21	0.85
1:A:168:ALA:O	1:A:172:ILE:HG23	1.76	0.85
1:A:16:GLU:CA	1:A:183:SER:O	2.21	0.85
1:A:402:TRP:CD1	14:A:1126:CLA:HAB	2.12	0.85
1:a:105:ASP:OD2	1:a:108:HIS:HD2	1.60	0.85
1:a:402:TRP:CD1	14:a:1126:CLA:HAB	2.12	0.85
1:A:105:ASP:OD2	1:A:108:HIS:HD2	1.60	0.84
1:G:168:ALA:O	1:G:172:ILE:HG23	1.76	0.84
1:G:605:CYS:O	25:G:8034:HOH:O	1.94	0.84
2:B:318:ILE:HG12	15:B:1219:F6C:OMB	1.77	0.84
12:X:49:THR:HA	12:X:95:GLU:OE1	1.77	0.84
2:H:318:ILE:HG12	15:H:1219:F6C:OMB	1.77	0.84
1:G:402:TRP:CD1	14:G:1126:CLA:HAB	2.12	0.84
12:W:49:THR:HA	12:W:95:GLU:OE1	1.77	0.84
2:b:318:ILE:HG12	15:b:1219:F6C:OMB	1.77	0.84
1:A:173:PHE:HD2	14:A:1108:CLA:CBC	1.91	0.83
1:a:105:ASP:OD2	1:a:108:HIS:CD2	2.31	0.83
1:a:173:PHE:HD2	14:a:1108:CLA:CBC	1.91	0.83
1:A:105:ASP:OD2	1:A:108:HIS:CD2	2.31	0.83
1:G:173:PHE:HD2	14:G:1108:CLA:CBC	1.91	0.83
1:G:105:ASP:OD2	1:G:108:HIS:CD2	2.31	0.83
1:G:105:ASP:OD2	1:G:108:HIS:HD2	1.60	0.82
1:a:34:ASP:HB3	1:a:37:LEU:HB2	1.61	0.82
1:G:34:ASP:HB3	1:G:37:LEU:HB2	1.61	0.82
14:A:1113:CLA:HBB1	18:A:4001:BCR:H382	1.61	0.81
12:W:53:LYS:HE2	12:W:76:TYR:CZ	2.16	0.81
12:x:53:LYS:HE2	12:x:76:TYR:CZ	2.16	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:1113:CLA:HBB1	18:G:4001:BCR:H382	1.61	0.81
1:A:20:ILE:O	1:A:180:HIS:HD2	1.63	0.81
5:e:26:SER:OG	12:x:43:ARG:NH1	2.14	0.81
12:X:53:LYS:HE2	12:X:76:TYR:CZ	2.15	0.80
1:G:20:ILE:O	1:G:180:HIS:HD2	1.63	0.80
1:a:20:ILE:O	1:a:180:HIS:HD2	1.63	0.80
12:x:61:GLN:CD	12:x:77:VAL:CG1	2.42	0.80
1:A:34:ASP:HB3	1:A:37:LEU:HB2	1.61	0.80
5:P:26:SER:OG	12:W:43:ARG:NH1	2.14	0.80
14:a:1113:CLA:HBB1	18:a:4001:BCR:H382	1.61	0.80
6:Q:143:TRP:CD2	6:Q:144:PRO:HD3	2.16	0.80
6:f:143:TRP:CD2	6:f:144:PRO:HD3	2.16	0.80
6:F:143:TRP:CD2	6:F:144:PRO:HD3	2.16	0.80
6:f:143:TRP:CG	6:f:144:PRO:HD3	2.17	0.80
12:X:4:TYR:O	12:X:20:GLU:HA	1.83	0.79
14:U:1501:CLA:C20	14:U:1503:CLA:H162	2.13	0.79
12:x:60:ASP:O	12:x:83:TYR:HB2	1.82	0.79
6:F:102:GLY:HA3	6:F:143:TRP:CZ2	2.17	0.79
5:E:26:SER:OG	12:X:43:ARG:NH1	2.14	0.79
6:Q:143:TRP:CG	6:Q:144:PRO:HD3	2.17	0.79
12:W:4:TYR:O	12:W:20:GLU:HA	1.83	0.79
6:f:102:GLY:HA3	6:f:143:TRP:CZ2	2.18	0.79
12:X:60:ASP:O	12:X:83:TYR:HB2	1.82	0.79
12:W:60:ASP:O	12:W:83:TYR:HB2	1.82	0.79
14:L:1501:CLA:C20	14:L:1503:CLA:H162	2.13	0.79
6:Q:102:GLY:HA3	6:Q:143:TRP:CZ2	2.17	0.79
14:l:1501:CLA:C20	14:l:1503:CLA:H162	2.13	0.78
6:F:143:TRP:CG	6:F:144:PRO:HD3	2.17	0.78
12:x:4:TYR:O	12:x:20:GLU:HA	1.83	0.78
1:a:242:VAL:O	14:a:1113:CLA:HED1	1.84	0.78
1:a:628:TRP:CH2	14:a:1012:CLA:HAB	2.19	0.78
1:G:628:TRP:CH2	14:G:1012:CLA:HAB	2.19	0.77
2:B:471:GLN:NE2	2:B:479:TYR:OH	2.18	0.77
1:A:242:VAL:O	14:A:1113:CLA:HED1	1.84	0.77
2:b:471:GLN:NE2	2:b:479:TYR:OH	2.18	0.77
2:H:471:GLN:NE2	2:H:479:TYR:OH	2.18	0.77
10:U:112:GLY:O	25:U:8015:HOH:O	2.03	0.76
1:A:20:ILE:O	1:A:180:HIS:CD2	2.38	0.76
1:A:628:TRP:CH2	14:A:1012:CLA:HAB	2.19	0.76
1:G:242:VAL:O	14:G:1113:CLA:HED1	1.84	0.76
1:G:20:ILE:O	1:G:180:HIS:CD2	2.38	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:20:ILE:O	1:a:180:HIS:CD2	2.38	0.76
1:A:259:ILE:HG12	14:A:1113:CLA:O2A	1.86	0.76
10:L:112:GLY:O	25:L:8015:HOH:O	2.03	0.76
14:T:1401:CLA:HAB	18:T:4001:BCR:H352	1.67	0.76
12:X:61:GLN:CD	12:X:77:VAL:CG1	2.42	0.75
14:U:1501:CLA:H202	14:U:1503:CLA:H162	1.69	0.75
2:B:592:TRP:CH2	14:B:1022:CLA:HAB	2.22	0.75
1:a:259:ILE:HG12	14:a:1113:CLA:O2A	1.86	0.75
14:K:1401:CLA:HAB	18:K:4001:BCR:H352	1.67	0.75
2:H:592:TRP:CH2	14:H:1022:CLA:HAB	2.22	0.75
1:a:173:PHE:CD2	14:a:1108:CLA:CBC	2.70	0.75
14:U:1501:CLA:H122	14:U:1501:CLA:H172	1.69	0.74
10:l:112:GLY:O	25:l:8015:HOH:O	2.03	0.74
14:l:1501:CLA:H202	14:l:1503:CLA:H162	1.69	0.74
14:k:1401:CLA:HAB	18:k:4001:BCR:H352	1.67	0.74
1:G:173:PHE:CD2	14:G:1108:CLA:CBC	2.70	0.74
1:A:173:PHE:CD2	14:A:1108:CLA:CBC	2.70	0.74
1:G:26:ARG:HH12	14:G:1109:CLA:CED	2.01	0.74
1:G:259:ILE:HG12	14:G:1113:CLA:O2A	1.86	0.74
2:b:592:TRP:CH2	14:b:1022:CLA:HAB	2.22	0.74
12:X:58:THR:O	12:X:85:THR:OG1	2.06	0.74
14:L:1501:CLA:H202	14:L:1503:CLA:H162	1.69	0.73
12:x:58:THR:O	12:x:85:THR:OG1	2.06	0.73
1:a:26:ARG:HH12	14:a:1109:CLA:CED	2.01	0.73
1:a:501:VAL:HG11	1:a:535:PRO:HA	1.71	0.73
1:A:26:ARG:HH12	14:A:1109:CLA:CED	2.01	0.73
1:A:171:MET:HE1	14:A:1111:CLA:H92	1.71	0.73
12:W:58:THR:O	12:W:85:THR:OG1	2.06	0.73
1:G:645:GLN:HE22	1:G:777:ARG:HE	1.37	0.73
1:A:645:GLN:HE22	1:A:777:ARG:HE	1.37	0.73
1:A:501:VAL:HG11	1:A:535:PRO:HA	1.71	0.73
1:a:171:MET:HE1	14:a:1111:CLA:H92	1.71	0.72
4:d:117:LYS:NZ	4:d:138:PHE:O	2.22	0.72
1:a:221:PRO:HB3	1:a:241:PHE:CE1	2.25	0.72
14:l:1501:CLA:H122	14:l:1501:CLA:H172	1.69	0.72
14:L:1501:CLA:H122	14:L:1501:CLA:H172	1.69	0.72
4:O:119:ARG:HH22	4:O:124:ASN:HD22	1.37	0.72
3:c:35:ARG:NH1	12:x:40:TYR:OH	2.23	0.72
1:A:221:PRO:HB3	1:A:241:PHE:CE1	2.25	0.72
1:G:221:PRO:HB3	1:G:241:PHE:CE1	2.25	0.71
10:U:144:MET:HE3	10:l:56:LEU:HD11	1.72	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:501:VAL:HG11	1:G:535:PRO:HA	1.71	0.71
3:N:35:ARG:NH1	12:W:40:TYR:OH	2.23	0.71
12:x:26:TYR:CE1	12:x:83:TYR:HE1	2.09	0.71
1:a:645:GLN:HE22	1:a:777:ARG:HE	1.37	0.71
4:D:117:LYS:NZ	4:D:138:PHE:O	2.22	0.71
12:X:26:TYR:CE1	12:X:83:TYR:HE1	2.09	0.71
1:G:171:MET:HE1	14:G:1111:CLA:H92	1.71	0.71
4:O:117:LYS:NZ	4:O:138:PHE:O	2.23	0.71
1:a:58:ASP:OD2	1:a:356:HIS:NE2	2.24	0.71
1:G:485:LEU:HB2	1:G:560:THR:HG23	1.73	0.71
12:W:26:TYR:CE1	12:W:83:TYR:HE1	2.09	0.71
1:G:58:ASP:OD2	1:G:356:HIS:NE2	2.24	0.70
12:X:67:LEU:HD12	12:X:72:ILE:HD12	1.73	0.70
3:C:35:ARG:NH1	12:X:40:TYR:OH	2.23	0.70
4:d:119:ARG:HH22	4:d:124:ASN:HD22	1.37	0.70
1:A:58:ASP:OD2	1:A:356:HIS:NE2	2.24	0.70
2:H:478:LEU:HD11	2:H:521:ALA:HB2	1.74	0.70
2:B:478:LEU:HD11	2:B:521:ALA:HB2	1.74	0.70
12:X:61:GLN:NE2	12:X:77:VAL:HG11	2.06	0.69
2:b:478:LEU:HD11	2:b:521:ALA:HB2	1.74	0.69
14:l:1501:CLA:H202	14:l:1503:CLA:C16	2.22	0.69
14:A:1113:CLA:HBD	14:A:1113:CLA:CBA	2.22	0.69
1:A:485:LEU:HB2	1:A:560:THR:HG23	1.73	0.69
4:D:119:ARG:HH22	4:D:124:ASN:HD22	1.37	0.69
14:L:1501:CLA:H202	14:L:1503:CLA:C16	2.22	0.69
14:G:1113:CLA:HBD	14:G:1113:CLA:CBA	2.22	0.69
12:W:67:LEU:HD12	12:W:72:ILE:HD12	1.73	0.69
10:L:56:LEU:HD11	10:l:144:MET:HE3	1.75	0.69
12:x:67:LEU:HD12	12:x:72:ILE:HD12	1.73	0.69
14:U:1501:CLA:H202	14:U:1503:CLA:C16	2.22	0.69
1:a:485:LEU:HB2	1:a:560:THR:HG23	1.73	0.68
4:D:119:ARG:HH22	4:D:124:ASN:ND2	1.89	0.68
14:a:1113:CLA:HBD	14:a:1113:CLA:CBA	2.22	0.68
1:A:22:THR:HG21	1:A:176:TRP:HE1	1.59	0.68
14:b:1214:CLA:HBA2	14:b:1223:CLA:HBB2	1.75	0.68
1:G:22:THR:HG21	1:G:176:TRP:HE1	1.59	0.68
14:B:1214:CLA:HBA2	14:B:1223:CLA:HBB2	1.75	0.67
14:H:1214:CLA:HBA2	14:H:1223:CLA:HBB2	1.75	0.67
14:G:1104:CLA:H162	14:G:1127:CLA:HBB2	1.76	0.67
1:A:721:ARG:H	2:B:578:CYS:HB2	1.58	0.67
14:A:1104:CLA:H162	14:A:1127:CLA:HBB2	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:721:ARG:H	2:b:578:CYS:HB2	1.58	0.67
1:G:721:ARG:H	2:H:578:CYS:HB2	1.59	0.67
1:a:22:THR:HG21	1:a:176:TRP:HE1	1.59	0.67
2:H:478:LEU:O	2:H:478:LEU:HD23	1.95	0.67
4:O:119:ARG:HH22	4:O:124:ASN:ND2	1.90	0.67
9:T:40:ILE:HG13	9:T:41:GLN:OE1	1.95	0.67
2:b:413:ASN:O	2:b:417:ARG:HG3	1.96	0.66
14:H:1205:CLA:H102	14:H:1205:CLA:H2	1.78	0.66
2:B:478:LEU:O	2:B:478:LEU:HD23	1.95	0.66
1:G:80:ALA:CB	1:G:172:ILE:HG22	2.25	0.66
14:B:1205:CLA:H102	14:B:1205:CLA:H2	1.78	0.66
14:B:1206:CLA:H201	14:B:1224:CLA:H162	1.78	0.66
9:K:40:ILE:HG13	9:K:41:GLN:OE1	1.95	0.66
1:G:173:PHE:CD2	14:G:1108:CLA:HBC3	2.31	0.66
9:k:40:ILE:HG13	9:k:41:GLN:OE1	1.95	0.66
12:W:61:GLN:NE2	12:W:77:VAL:HG11	2.06	0.66
1:a:80:ALA:CB	1:a:172:ILE:HG22	2.25	0.66
14:L:1503:CLA:HAA1	21:L:6002:LMT:H11	1.78	0.66
12:x:61:GLN:NE2	12:x:77:VAL:HG11	2.06	0.66
1:A:80:ALA:CB	1:A:172:ILE:HG22	2.25	0.66
2:B:413:ASN:O	2:B:417:ARG:HG3	1.96	0.66
14:a:1124:CLA:H51	14:a:1135:CLA:H11	1.78	0.66
14:G:1124:CLA:H51	14:G:1135:CLA:H11	1.78	0.65
14:H:1206:CLA:H201	14:H:1224:CLA:H162	1.78	0.65
14:a:1104:CLA:H162	14:a:1127:CLA:HBB2	1.76	0.65
14:b:1205:CLA:H102	14:b:1205:CLA:H2	1.78	0.65
2:b:478:LEU:O	2:b:478:LEU:HD23	1.95	0.65
1:G:442:ALA:O	1:G:446:HIS:ND1	2.28	0.65
1:a:319:SER:HG	1:a:322:THR:HG1	1.39	0.65
2:b:613:SER:OG	2:b:741:ARG:NH1	2.30	0.65
4:d:119:ARG:HH22	4:d:124:ASN:ND2	1.90	0.65
2:B:613:SER:OG	2:B:741:ARG:NH1	2.30	0.65
1:A:173:PHE:CD2	14:A:1108:CLA:HBC3	2.31	0.65
2:H:613:SER:OG	2:H:741:ARG:NH1	2.30	0.65
1:A:628:TRP:HH2	14:A:1012:CLA:HAB	1.61	0.65
1:G:365:MET:HE3	14:G:1119:CLA:H93	1.79	0.65
2:H:413:ASN:O	2:H:417:ARG:HG3	1.96	0.65
2:B:257:PHE:HE2	2:B:503:TRP:HE3	1.45	0.65
1:a:56:ASP:OD2	1:a:59:SER:OG	2.15	0.65
1:a:103:MET:HE1	1:a:147:ARG:HG3	1.79	0.65
14:b:1206:CLA:H201	14:b:1224:CLA:H162	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:42:ILE:HD12	9:K:42:ILE:N	2.11	0.64
1:G:16:GLU:HA	1:G:183:SER:C	2.21	0.64
1:G:628:TRP:HH2	14:G:1012:CLA:HAB	1.61	0.64
1:a:628:TRP:HH2	14:a:1012:CLA:HAB	1.61	0.64
4:d:50:ASN:H	4:d:54:ASN:HD21	1.45	0.64
1:A:103:MET:HE1	1:A:147:ARG:HG3	1.79	0.64
10:L:125:ARG:HE	19:L:5101:LHG:H271	1.62	0.64
10:U:125:ARG:HE	19:U:5101:LHG:H271	1.63	0.64
1:G:480:ASP:OD2	25:G:8030:HOH:O	2.15	0.64
14:l:1503:CLA:HAA1	21:l:6002:LMT:H11	1.78	0.64
2:B:358:HIS:ND1	14:B:1214:CLA:OBD	2.28	0.64
1:a:365:MET:HE3	14:a:1119:CLA:H93	1.79	0.64
1:A:16:GLU:HA	1:A:183:SER:C	2.21	0.64
14:A:1124:CLA:H51	14:A:1135:CLA:H11	1.78	0.64
1:a:341:PRO:HD3	10:l:11:ASP:HB3	1.79	0.64
10:l:125:ARG:HE	19:l:5101:LHG:H271	1.63	0.64
1:A:341:PRO:HD3	10:L:11:ASP:HB3	1.79	0.64
4:D:50:ASN:H	4:D:54:ASN:HD21	1.46	0.64
1:G:56:ASP:OD2	1:G:59:SER:OG	2.15	0.64
2:b:257:PHE:HE2	2:b:503:TRP:HE3	1.45	0.64
12:x:48:SER:HB3	12:x:66:PHE:CE1	2.33	0.64
12:X:5:LYS:H	12:X:87:ASP:CB	2.11	0.64
1:G:260:ARG:H	1:G:261:PRO:CD	2.11	0.64
1:A:480:ASP:OD2	25:A:8030:HOH:O	2.15	0.63
1:a:376:HIS:ND1	14:a:1116:CLA:OBD	2.31	0.63
18:a:4006:BCR:H282	18:b:4014:BCR:H14C	1.80	0.63
14:b:1203:CLA:H151	14:b:1225:CLA:HBB2	1.80	0.63
4:O:50:ASN:H	4:O:54:ASN:HD21	1.46	0.63
14:U:1503:CLA:HAA1	21:U:6002:LMT:H11	1.78	0.63
1:a:173:PHE:CD2	14:a:1108:CLA:HBC3	2.31	0.63
9:T:42:ILE:HD12	9:T:42:ILE:N	2.11	0.63
1:a:480:ASP:OD2	25:a:8030:HOH:O	2.14	0.63
1:G:341:PRO:HD3	10:U:11:ASP:HB3	1.79	0.63
12:X:48:SER:HB3	12:X:66:PHE:CE1	2.33	0.63
1:G:103:MET:HE1	1:G:147:ARG:HG3	1.79	0.63
12:X:61:GLN:OE1	12:X:77:VAL:CG1	2.35	0.63
1:A:365:MET:HE3	14:A:1119:CLA:H93	1.79	0.63
12:W:48:SER:HB3	12:W:66:PHE:CE1	2.33	0.63
1:a:260:ARG:H	1:a:261:PRO:CD	2.11	0.63
2:b:358:HIS:ND1	14:b:1214:CLA:OBD	2.28	0.63
1:A:56:ASP:OD2	1:A:59:SER:OG	2.15	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:260:ARG:H	1:A:261:PRO:CD	2.11	0.63
1:G:376:HIS:ND1	14:G:1116:CLA:OBD	2.31	0.63
12:x:5:LYS:H	12:x:87:ASP:CB	2.11	0.63
2:B:463:GLU:OE2	6:F:79:HIS:ND1	2.32	0.62
2:H:257:PHE:HE2	2:H:503:TRP:HE3	1.45	0.62
14:b:1203:CLA:H43	20:b:5002:LMG:H302	1.81	0.62
18:G:4006:BCR:H282	18:H:4014:BCR:H14C	1.80	0.62
1:A:442:ALA:O	1:A:446:HIS:ND1	2.28	0.62
14:B:1203:CLA:H151	14:B:1225:CLA:HBB2	1.80	0.62
4:D:60:ARG:NH2	4:D:62:GLU:OE1	2.32	0.62
12:W:5:LYS:H	12:W:87:ASP:CB	2.11	0.62
12:X:28:LEU:HD21	12:X:40:TYR:CD1	2.35	0.62
2:H:463:GLU:OE2	6:Q:79:HIS:ND1	2.32	0.62
2:H:358:HIS:ND1	14:H:1214:CLA:OBD	2.28	0.62
2:H:667:TRP:O	2:H:670:SER:OG	2.16	0.62
1:a:617:SER:OG	1:a:620:ASP:OD1	2.18	0.62
18:A:4006:BCR:H282	18:B:4014:BCR:H14C	1.80	0.62
12:x:28:LEU:HD21	12:x:40:TYR:CD1	2.35	0.62
14:H:1203:CLA:H151	14:H:1225:CLA:HBB2	1.80	0.62
1:A:258:GLY:HA2	14:A:1113:CLA:OBD	1.99	0.62
12:X:76:TYR:HD1	12:X:98:LEU:CD2	2.10	0.62
12:W:28:LEU:HD21	12:W:40:TYR:CD1	2.35	0.62
2:H:716:LEU:HD23	20:H:5002:LMG:H131	1.82	0.61
14:H:1203:CLA:H43	20:H:5002:LMG:H302	1.81	0.61
16:b:2002:PQN:H142	18:b:4017:BCR:H271	1.82	0.61
2:B:129:LEU:HD23	14:B:1211:CLA:HED2	1.82	0.61
12:X:76:TYR:CG	12:X:98:LEU:HD21	2.34	0.61
1:G:258:GLY:HA2	14:G:1113:CLA:OBD	1.99	0.61
1:a:258:GLY:HA2	14:a:1113:CLA:OBD	1.99	0.61
5:e:50:THR:HG21	12:x:43:ARG:O	2.00	0.61
3:C:23:THR:HG21	25:C:8009:HOH:O	2.00	0.61
5:E:50:THR:HG21	12:X:43:ARG:O	2.00	0.61
5:P:50:THR:HG21	12:W:43:ARG:O	2.00	0.61
2:b:129:LEU:HD23	14:b:1211:CLA:HED2	1.82	0.61
1:A:376:HIS:ND1	14:A:1116:CLA:OBD	2.31	0.61
1:A:617:SER:OG	1:A:620:ASP:OD1	2.18	0.61
4:D:119:ARG:NH2	4:D:124:ASN:HD21	1.96	0.61
12:X:48:SER:C	12:X:95:GLU:OE1	2.44	0.61
12:W:7:THR:CB	12:W:89:THR:HG22	2.31	0.61
2:b:463:GLU:OE2	6:f:79:HIS:ND1	2.32	0.61
4:d:60:ARG:NH2	4:d:62:GLU:OE1	2.32	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:617:SER:OG	1:G:620:ASP:OD1	2.18	0.61
4:O:60:ARG:NH2	4:O:62:GLU:OE1	2.32	0.61
12:W:48:SER:HB3	12:W:66:PHE:HE1	1.66	0.61
1:A:259:ILE:O	1:A:259:ILE:HD12	2.01	0.61
10:L:144:MET:HE3	10:U:56:LEU:HD11	1.82	0.61
1:A:134:ARG:HH11	1:A:134:ARG:CG	2.13	0.61
16:B:2002:PQN:H142	18:B:4017:BCR:H271	1.82	0.61
14:B:1203:CLA:H43	20:B:5002:LMG:H302	1.81	0.61
1:G:259:ILE:HD12	1:G:259:ILE:O	2.01	0.61
14:B:1205:CLA:H8	14:B:1205:CLA:HBB1	1.83	0.61
12:X:7:THR:CB	12:X:89:THR:HG22	2.31	0.61
1:a:355:TRP:HB3	14:a:1103:CLA:HAC1	1.83	0.61
1:a:442:ALA:O	1:a:446:HIS:ND1	2.28	0.61
1:a:134:ARG:HH11	1:a:134:ARG:CG	2.13	0.60
3:c:23:THR:HG21	25:c:8009:HOH:O	2.00	0.60
1:A:652:VAL:HG22	1:A:658:VAL:HG22	1.84	0.60
2:B:716:LEU:HD23	20:B:5002:LMG:H131	1.82	0.60
12:X:48:SER:HB3	12:X:66:PHE:HE1	1.66	0.60
1:G:134:ARG:CG	1:G:134:ARG:HH11	2.13	0.60
2:b:716:LEU:HD23	20:b:5002:LMG:H131	1.82	0.60
14:b:1205:CLA:HBB1	14:b:1205:CLA:H8	1.83	0.60
12:x:8:LEU:N	12:x:8:LEU:HD23	2.17	0.60
6:Q:143:TRP:N	6:Q:144:PRO:HD2	2.16	0.60
12:W:76:TYR:CG	12:W:98:LEU:HD21	2.34	0.60
1:a:259:ILE:HD12	1:a:259:ILE:O	2.01	0.60
2:b:508:LEU:HA	2:b:511:ILE:HG22	1.83	0.60
6:f:143:TRP:N	6:f:144:PRO:HD2	2.16	0.60
9:k:42:ILE:HD12	9:k:42:ILE:N	2.11	0.60
2:H:129:LEU:HD23	14:H:1211:CLA:HED2	1.82	0.60
12:x:76:TYR:CG	12:x:98:LEU:HD21	2.34	0.60
1:G:41:PRO:CG	6:Q:126:ILE:HD11	2.25	0.60
21:R:6001:LMT:H5B	21:R:6001:LMT:H6D	1.84	0.60
12:W:48:SER:C	12:W:95:GLU:OE1	2.44	0.60
7:I:24:ILE:HD12	18:I:4018:BCR:H333	1.84	0.60
1:G:280:LEU:HD21	1:G:381:PRO:HD2	1.84	0.60
16:H:2002:PQN:H142	18:H:4017:BCR:H271	1.83	0.60
12:W:28:LEU:HB2	12:W:79:THR:O	2.02	0.60
12:x:48:SER:C	12:x:95:GLU:OE1	2.44	0.60
1:A:280:LEU:HD21	1:A:381:PRO:HD2	1.84	0.60
6:F:143:TRP:N	6:F:144:PRO:HD2	2.16	0.60
12:x:7:THR:CB	12:x:89:THR:HG22	2.31	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:W:61:GLN:OE1	12:W:77:VAL:CG1	2.35	0.60
3:C:9:ASP:OD2	4:D:119:ARG:O	2.20	0.60
1:G:355:TRP:HB3	14:G:1103:CLA:HAC1	1.83	0.60
3:N:23:THR:HG21	25:N:8009:HOH:O	2.00	0.60
7:i:24:ILE:HD12	18:i:4018:BCR:H333	1.84	0.60
12:x:48:SER:HB3	12:x:66:PHE:HE1	1.66	0.60
12:X:28:LEU:HB2	12:X:79:THR:O	2.02	0.59
15:b:1219:F6C:O1A	21:b:6004:LMT:H6D	2.02	0.59
12:X:8:LEU:N	12:X:8:LEU:HD23	2.16	0.59
12:W:8:LEU:N	12:W:8:LEU:HD23	2.17	0.59
1:a:652:VAL:HG22	1:a:658:VAL:HG22	1.84	0.59
14:a:1136:CLA:HAC2	20:a:5003:LMG:H331	1.84	0.59
10:L:170:ALA:HB2	7:i:6:GLN:HB3	1.84	0.59
1:G:194:SER:O	1:G:198:HIS:ND1	2.34	0.59
3:N:9:ASP:OD2	4:O:119:ARG:O	2.20	0.59
3:c:9:ASP:OD2	4:d:119:ARG:O	2.20	0.59
1:A:41:PRO:CG	6:F:126:ILE:HD11	2.25	0.59
1:a:194:SER:O	1:a:198:HIS:ND1	2.34	0.59
1:A:259:ILE:CD1	1:A:263:PHE:HE2	2.16	0.59
1:a:280:LEU:HD21	1:a:381:PRO:HD2	1.84	0.59
2:b:581:SER:OG	2:b:584:ASP:OD1	2.19	0.59
15:B:1219:F6C:O1A	21:B:6004:LMT:H6D	2.02	0.59
12:X:54:LEU:HG	12:X:77:VAL:HG21	1.84	0.59
1:G:531:GLY:HA3	14:G:1134:CLA:HED3	1.84	0.59
1:G:677:LEU:HD12	14:G:1012:CLA:HED1	1.85	0.59
14:H:1205:CLA:H8	14:H:1205:CLA:HBB1	1.83	0.59
1:a:259:ILE:CD1	1:a:263:PHE:HE2	2.16	0.59
1:a:531:GLY:HA3	14:a:1134:CLA:HED3	1.84	0.59
12:x:28:LEU:HB2	12:x:79:THR:O	2.01	0.59
1:A:355:TRP:HB3	14:A:1103:CLA:HAC1	1.83	0.59
14:G:1136:CLA:HAC2	20:G:5003:LMG:H331	1.85	0.59
7:R:24:ILE:HD12	18:R:4018:BCR:H333	1.84	0.59
2:b:476:LYS:NZ	2:b:478:LEU:HD12	2.18	0.59
21:I:6001:LMT:H5B	21:I:6001:LMT:H6D	1.84	0.59
1:G:301:VAL:HG21	14:G:1115:CLA:HAB	1.85	0.59
2:H:476:LYS:NZ	2:H:478:LEU:HD12	2.18	0.59
2:H:508:LEU:HA	2:H:511:ILE:HG22	1.83	0.59
2:H:581:SER:OG	2:H:584:ASP:OD1	2.19	0.59
1:A:301:VAL:HG21	14:A:1115:CLA:HAB	1.85	0.59
2:B:508:LEU:HA	2:B:511:ILE:HG22	1.83	0.59
12:W:54:LEU:HG	12:W:77:VAL:HG21	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:H:1219:F6C:O1A	21:H:6004:LMT:H6D	2.02	0.58
14:b:1204:CLA:HHB	14:b:1205:CLA:HMB3	1.85	0.58
1:A:531:GLY:HA3	14:A:1134:CLA:HED3	1.84	0.58
14:b:1210:CLA:H92	14:b:1221:CLA:H2	1.85	0.58
21:i:6001:LMT:H5B	21:i:6001:LMT:H6D	1.84	0.58
1:G:259:ILE:CD1	1:G:263:PHE:HE2	2.16	0.58
1:G:29:LYS:O	1:G:29:LYS:HG2	2.03	0.58
1:G:652:VAL:HG22	1:G:658:VAL:HG22	1.83	0.58
1:a:301:VAL:HG21	14:a:1115:CLA:HAB	1.85	0.58
1:A:29:LYS:HG2	1:A:29:LYS:O	2.03	0.58
14:B:1204:CLA:HHB	14:B:1205:CLA:HMB3	1.85	0.58
14:H:1210:CLA:H92	14:H:1221:CLA:H2	1.85	0.58
4:O:119:ARG:NH2	4:O:124:ASN:HD21	1.96	0.58
12:W:76:TYR:HD1	12:W:98:LEU:CD2	2.10	0.58
1:a:18:SER:CB	1:a:183:SER:CB	2.82	0.58
2:b:724:VAL:HG22	14:b:1224:CLA:H142	1.86	0.58
1:A:18:SER:CB	1:A:183:SER:CB	2.82	0.58
1:A:134:ARG:HH11	1:A:134:ARG:HG2	1.69	0.58
2:H:262:HIS:HD2	2:H:264:GLN:H	1.50	0.58
2:B:476:LYS:NZ	2:B:478:LEU:HD12	2.18	0.58
2:b:262:HIS:HD2	2:b:264:GLN:H	1.50	0.58
14:A:1115:CLA:H2	14:A:1141:CLA:HED1	1.86	0.58
1:G:18:SER:CB	1:G:183:SER:CB	2.82	0.58
14:A:1136:CLA:HAC2	20:A:5003:LMG:H331	1.85	0.58
9:k:17:TRP:CD1	9:k:21:VAL:HG11	2.39	0.58
12:x:54:LEU:HG	12:x:77:VAL:HG21	1.84	0.58
9:T:17:TRP:CD1	9:T:21:VAL:HG11	2.39	0.57
1:a:677:LEU:HD12	14:a:1012:CLA:HED1	1.85	0.57
1:A:677:LEU:HD12	14:A:1012:CLA:HED1	1.85	0.57
1:G:134:ARG:HH11	1:G:134:ARG:HG2	1.69	0.57
1:G:209:LEU:HG	14:G:1113:CLA:HBB2	1.86	0.57
2:b:667:TRP:O	2:b:670:SER:OG	2.17	0.57
2:B:667:TRP:O	2:B:670:SER:OG	2.17	0.57
21:L:6002:LMT:H41	20:i:5006:LMG:H112	1.85	0.57
14:H:1204:CLA:HHB	14:H:1205:CLA:HMB3	1.85	0.57
14:a:1131:CLA:H143	16:b:2002:PQN:H191	1.87	0.57
14:B:1210:CLA:H92	14:B:1221:CLA:H2	1.85	0.57
1:a:209:LEU:HG	14:a:1113:CLA:HBB2	1.86	0.57
2:H:45:ARG:NH2	11:V:29:LEU:O	2.38	0.57
1:a:29:LYS:HG2	1:a:29:LYS:O	2.03	0.57
14:a:1115:CLA:H2	14:a:1141:CLA:HED1	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:1131:CLA:H143	16:B:2002:PQN:H191	1.87	0.57
18:B:4006:BCR:H333	14:G:1141:CLA:HAB	1.85	0.57
14:B:1218:CLA:HBA2	18:B:4004:BCR:H282	1.87	0.57
9:K:17:TRP:CD1	9:K:21:VAL:HG11	2.39	0.57
14:G:1131:CLA:H143	16:H:2002:PQN:H191	1.87	0.57
1:a:16:GLU:HA	1:a:183:SER:C	2.21	0.57
1:A:194:SER:O	1:A:198:HIS:ND1	2.34	0.57
2:B:262:HIS:HD2	2:B:264:GLN:H	1.50	0.57
12:X:26:TYR:CE1	12:X:83:TYR:CE1	2.93	0.57
21:R:6001:LMT:H123	14:l:1501:CLA:H191	1.86	0.57
1:a:134:ARG:HH11	1:a:134:ARG:HG2	1.69	0.57
2:B:45:ARG:NH2	11:M:29:LEU:O	2.38	0.57
2:B:282:VAL:HG21	14:B:1213:CLA:HAB	1.87	0.57
2:B:581:SER:OG	2:B:584:ASP:OD1	2.19	0.57
14:B:1211:CLA:H122	14:B:1225:CLA:H193	1.87	0.57
1:a:41:PRO:CG	6:f:126:ILE:HD11	2.25	0.57
9:k:17:TRP:CD1	9:k:21:VAL:CG1	2.88	0.57
14:G:1115:CLA:H2	14:G:1141:CLA:HED1	1.86	0.56
2:b:106:PRO:HD2	2:b:109:ALA:HB3	1.87	0.56
6:f:64:GLN:O	6:f:67:ALA:N	2.38	0.56
1:A:209:LEU:HG	14:A:1113:CLA:HBB2	1.86	0.56
2:B:724:VAL:HG22	14:B:1224:CLA:H142	1.86	0.56
14:H:1218:CLA:HBA2	18:H:4004:BCR:H282	1.87	0.56
18:H:4006:BCR:H333	14:a:1141:CLA:HAB	1.86	0.56
9:T:17:TRP:CD1	9:T:21:VAL:CG1	2.88	0.56
14:U:1501:CLA:H203	14:U:1503:CLA:H162	1.87	0.56
2:B:337:LEU:HD21	14:B:1202:CLA:H192	1.87	0.56
2:B:478:LEU:CD1	2:B:521:ALA:HB2	2.35	0.56
14:L:1501:CLA:H203	14:L:1503:CLA:H162	1.87	0.56
12:X:48:SER:O	12:X:95:GLU:OE1	2.23	0.56
2:H:282:VAL:HG21	14:H:1213:CLA:HAB	1.87	0.56
2:H:337:LEU:HD21	14:H:1202:CLA:H192	1.87	0.56
2:H:724:VAL:HG22	14:H:1224:CLA:H142	1.85	0.56
6:Q:64:GLN:O	6:Q:67:ALA:N	2.38	0.56
1:a:44:THR:HG23	1:a:745:GLN:O	2.06	0.56
2:b:671:PHE:HB2	14:b:1023:CLA:HMC2	1.88	0.56
9:k:48:ALA:N	9:k:49:PRO:HD3	2.20	0.56
12:x:76:TYR:HD1	12:x:98:LEU:CD2	2.10	0.56
9:K:17:TRP:CD1	9:K:21:VAL:CG1	2.88	0.56
1:G:44:THR:HG23	1:G:745:GLN:O	2.06	0.56
14:l:1501:CLA:H122	14:l:1501:CLA:C17	2.35	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:201:ALA:HB2	1:A:307:GLY:HA3	1.88	0.56
2:B:671:PHE:HB2	14:B:1023:CLA:HMC2	1.88	0.56
9:K:48:ALA:N	9:K:49:PRO:HD3	2.21	0.56
2:b:478:LEU:CD1	2:b:521:ALA:HB2	2.35	0.56
14:b:1218:CLA:HBA2	18:b:4004:BCR:H282	1.87	0.56
1:G:80:ALA:HB1	1:G:172:ILE:HG22	1.87	0.56
1:A:80:ALA:HB1	1:A:172:ILE:HG22	1.87	0.56
14:H:1211:CLA:H122	14:H:1225:CLA:H193	1.87	0.56
9:T:48:ALA:N	9:T:49:PRO:HD3	2.21	0.56
12:W:26:TYR:CE1	12:W:83:TYR:CE1	2.93	0.56
1:a:80:ALA:HB1	1:a:172:ILE:HG22	1.87	0.56
1:a:261:PRO:HD2	1:a:270:TYR:OH	2.06	0.56
2:b:45:ARG:NH2	11:m:29:LEU:O	2.38	0.56
2:b:337:LEU:HD21	14:b:1202:CLA:H192	1.86	0.56
14:b:1211:CLA:H122	14:b:1225:CLA:H193	1.87	0.56
9:k:45:ALA:HA	9:k:49:PRO:HG3	1.88	0.56
1:A:81:VAL:HG13	14:A:1106:CLA:H102	1.88	0.56
1:A:44:THR:HG23	1:A:745:GLN:O	2.06	0.55
14:B:1221:CLA:H71	14:B:1223:CLA:H42	1.88	0.55
6:F:64:GLN:O	6:F:67:ALA:N	2.38	0.55
1:G:193:GLN:HE22	1:G:319:SER:HA	1.70	0.55
2:H:106:PRO:HD2	2:H:109:ALA:HB3	1.87	0.55
2:H:478:LEU:CD1	2:H:521:ALA:HB2	2.35	0.55
14:l:1501:CLA:H172	14:l:1501:CLA:C12	2.36	0.55
2:B:106:PRO:HD2	2:B:109:ALA:HB3	1.87	0.55
1:A:261:PRO:HD2	1:A:270:TYR:OH	2.06	0.55
2:H:671:PHE:HB2	14:H:1023:CLA:HMC2	1.88	0.55
9:T:45:ALA:HA	9:T:49:PRO:HG3	1.88	0.55
1:a:201:ALA:HB2	1:a:307:GLY:HA3	1.88	0.55
14:l:1501:CLA:H203	14:l:1503:CLA:H162	1.87	0.55
1:A:193:GLN:HE22	1:A:319:SER:HA	1.70	0.55
6:Q:50:MET:HB3	6:Q:51:GLN:HG3	1.89	0.55
12:W:48:SER:O	12:W:95:GLU:OE1	2.24	0.55
2:b:191:THR:HG21	2:b:278:LEU:HB2	1.89	0.55
19:L:5101:LHG:HC82	25:L:8009:HOH:O	2.07	0.55
2:b:282:VAL:HG21	14:b:1213:CLA:HAB	1.87	0.55
1:A:221:PRO:HB3	1:A:241:PHE:CD1	2.42	0.55
1:G:261:PRO:HD2	1:G:270:TYR:OH	2.06	0.55
14:H:1222:CLA:H202	14:H:1231:CLA:H161	1.89	0.55
14:b:1221:CLA:H71	14:b:1223:CLA:H42	1.88	0.55
1:G:81:VAL:HG13	14:G:1106:CLA:H102	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:75:HIS:ND1	14:a:1111:CLA:OBD	2.37	0.55
12:x:48:SER:O	12:x:95:GLU:OE1	2.23	0.55
20:G:5003:LMG:H291	20:G:5003:LMG:H362	1.89	0.55
14:b:1222:CLA:H202	14:b:1231:CLA:H161	1.89	0.55
2:B:191:THR:HG21	2:B:278:LEU:HB2	1.89	0.55
6:F:143:TRP:N	6:F:144:PRO:CD	2.70	0.55
1:G:201:ALA:HB2	1:G:307:GLY:HA3	1.88	0.55
9:K:45:ALA:HA	9:K:49:PRO:HG3	1.88	0.54
14:L:1501:CLA:H172	14:L:1501:CLA:C12	2.36	0.54
1:G:11:ALA:N	1:G:182:ARG:HH21	2.00	0.54
2:H:592:TRP:HH2	14:H:1022:CLA:HAB	1.72	0.54
14:H:1221:CLA:H71	14:H:1223:CLA:H42	1.88	0.54
12:W:28:LEU:HD12	12:W:79:THR:OG1	2.07	0.54
1:a:81:VAL:HG13	14:a:1106:CLA:H102	1.88	0.54
14:b:1227:CLA:HMC1	18:b:4009:BCR:H393	1.89	0.54
14:B:1227:CLA:HMC1	18:B:4009:BCR:H393	1.89	0.54
4:D:103:PHE:O	4:D:105:GLU:N	2.40	0.54
6:f:143:TRP:N	6:f:144:PRO:CD	2.70	0.54
20:A:5003:LMG:H291	20:A:5003:LMG:H362	1.89	0.54
6:F:50:MET:HB3	6:F:51:GLN:HG3	1.89	0.54
12:X:28:LEU:HD12	12:X:79:THR:OG1	2.07	0.54
1:G:221:PRO:HB3	1:G:241:PHE:CD1	2.42	0.54
1:G:259:ILE:HD12	1:G:263:PHE:HE2	1.72	0.54
4:O:103:PHE:O	4:O:105:GLU:N	2.40	0.54
14:U:1501:CLA:H122	14:U:1501:CLA:C17	2.35	0.54
1:a:193:GLN:HE22	1:a:319:SER:HA	1.70	0.54
1:a:221:PRO:HB3	1:a:241:PHE:CD1	2.42	0.54
4:d:103:PHE:O	4:d:105:GLU:N	2.40	0.54
6:f:50:MET:HB3	6:f:51:GLN:HG3	1.89	0.54
12:x:61:GLN:OE1	12:x:77:VAL:CG1	2.35	0.54
14:H:1208:CLA:HBA2	21:H:6001:LMT:H32	1.90	0.54
2:b:333:TYR:OH	2:b:344:HIS:NE2	2.40	0.54
14:B:1222:CLA:H202	14:B:1231:CLA:H161	1.89	0.54
14:U:1501:CLA:C17	14:U:1501:CLA:C12	2.86	0.54
2:b:592:TRP:HH2	14:b:1022:CLA:HAB	1.72	0.54
14:b:1208:CLA:HBA2	21:b:6001:LMT:H32	1.90	0.54
15:b:1219:F6C:CHC	15:b:1219:F6C:CBB	2.86	0.54
4:d:119:ARG:NH2	4:d:124:ASN:HD21	1.96	0.54
6:Q:143:TRP:N	6:Q:144:PRO:CD	2.70	0.54
1:a:55:HIS:ND1	14:a:1104:CLA:O1A	2.37	0.54
2:b:91:ILE:HB	2:b:112:PRO:HB2	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:259:ILE:HD12	1:A:263:PHE:HE2	1.72	0.54
14:B:1023:CLA:H142	18:I:4018:BCR:H271	1.90	0.54
14:H:1023:CLA:H142	18:R:4018:BCR:H271	1.90	0.54
12:x:26:TYR:CE1	12:x:83:TYR:CE1	2.92	0.54
2:B:50:HIS:HE1	14:B:1202:CLA:H171	1.73	0.54
14:H:1203:CLA:H11	14:H:1203:CLA:HED2	1.90	0.54
2:b:343:TRP:HE1	14:b:1221:CLA:C2B	2.21	0.54
1:A:335:PHE:HB3	14:m:1501:CLA:HBA2	1.90	0.54
14:B:1208:CLA:HBA2	21:B:6001:LMT:H32	1.90	0.54
19:l:5101:LHG:HC82	25:l:8009:HOH:O	2.07	0.54
1:A:745:GLN:NE2	5:E:16:TYR:OH	2.41	0.54
2:H:191:THR:HG21	2:H:278:LEU:HB2	1.89	0.54
9:T:42:ILE:H	9:T:42:ILE:CD1	2.04	0.54
20:a:5003:LMG:H362	20:a:5003:LMG:H291	1.89	0.54
4:d:120:ARG:HG2	4:d:120:ARG:O	2.08	0.54
14:l:1501:CLA:C17	14:l:1501:CLA:C12	2.86	0.54
15:B:1219:F6C:CHC	15:B:1219:F6C:CBB	2.86	0.53
1:G:44:THR:CG2	1:G:746:PRO:HA	2.38	0.53
14:U:1501:CLA:H172	14:U:1501:CLA:C12	2.36	0.53
14:V:1501:CLA:HAA1	1:a:334:PRO:HB2	1.90	0.53
1:A:173:PHE:CD2	14:A:1108:CLA:HBC1	2.43	0.53
14:G:1118:CLA:HAB	14:G:1118:CLA:H92	1.91	0.53
14:L:1501:CLA:C12	14:L:1501:CLA:C17	2.86	0.53
2:H:50:HIS:HE1	14:H:1202:CLA:H171	1.73	0.53
4:d:119:ARG:HH21	4:d:124:ASN:HD22	1.01	0.53
1:A:37:LEU:O	1:A:46:TRP:NE1	2.35	0.53
14:B:1203:CLA:H11	14:B:1203:CLA:HED2	1.90	0.53
12:X:49:THR:CA	12:X:95:GLU:OE1	2.54	0.53
2:H:15:ASP:HB3	2:H:20:ARG:HB3	1.91	0.53
15:H:1219:F6C:CHC	15:H:1219:F6C:CBB	2.86	0.53
14:H:1227:CLA:HMC1	18:H:4009:BCR:H393	1.89	0.53
1:a:292:ILE:HG21	14:a:1117:CLA:HED1	1.90	0.53
12:x:28:LEU:HD12	12:x:79:THR:OG1	2.07	0.53
4:D:30:THR:O	4:D:82:TYR:HA	2.09	0.53
2:H:91:ILE:HB	2:H:112:PRO:HB2	1.90	0.53
4:O:84:ILE:HB	4:O:97:HIS:HB3	1.91	0.53
4:O:120:ARG:HG2	4:O:120:ARG:O	2.08	0.53
5:P:10:ILE:HG22	5:P:12:ARG:H	1.74	0.53
1:a:173:PHE:CD2	14:a:1108:CLA:HBC1	2.43	0.53
14:b:1023:CLA:H142	18:i:4018:BCR:H271	1.90	0.53
9:k:17:TRP:CZ2	9:k:22:ALA:HB2	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:44:THR:CG2	1:A:746:PRO:HA	2.38	0.53
2:B:91:ILE:HB	2:B:112:PRO:HB2	1.90	0.53
5:E:10:ILE:HG22	5:E:12:ARG:H	1.74	0.53
14:G:1128:CLA:H91	19:G:5001:LHG:H301	1.90	0.53
12:W:4:TYR:O	12:W:20:GLU:CA	2.56	0.53
14:a:1115:CLA:HBD	14:a:1115:CLA:HBA1	1.91	0.53
2:b:50:HIS:HE1	14:b:1202:CLA:H171	1.73	0.53
1:A:292:ILE:HG21	14:A:1117:CLA:HED1	1.90	0.53
2:B:343:TRP:HE1	14:B:1221:CLA:C2B	2.21	0.53
14:L:1501:CLA:H191	21:i:6001:LMT:H123	1.90	0.53
7:R:6:GLN:HB3	10:l:170:ALA:HB2	1.90	0.53
9:T:17:TRP:CZ2	9:T:22:ALA:HB2	2.44	0.53
19:U:5101:LHG:HC82	25:U:8009:HOH:O	2.07	0.53
14:b:1203:CLA:H11	14:b:1203:CLA:HED2	1.90	0.53
4:D:120:ARG:HG2	4:D:120:ARG:O	2.08	0.53
9:K:17:TRP:CZ2	9:K:22:ALA:HB2	2.44	0.53
1:G:18:SER:CB	1:G:183:SER:HG	2.20	0.53
20:R:5006:LMG:H112	21:l:6002:LMT:H41	1.90	0.53
14:a:1118:CLA:H92	14:a:1118:CLA:HAB	1.91	0.53
12:x:49:THR:CA	12:x:95:GLU:OE1	2.54	0.53
1:A:55:HIS:ND1	14:A:1104:CLA:O1A	2.37	0.53
1:A:260:ARG:N	1:A:261:PRO:CD	2.72	0.53
14:A:1118:CLA:H92	14:A:1118:CLA:HAB	1.90	0.53
14:A:1128:CLA:H91	19:A:5001:LHG:H301	1.90	0.53
1:G:55:HIS:ND1	14:G:1104:CLA:O1A	2.37	0.53
4:O:30:THR:O	4:O:82:TYR:HA	2.09	0.53
12:X:5:LYS:N	12:X:87:ASP:CB	2.72	0.53
12:W:5:LYS:N	12:W:87:ASP:CB	2.72	0.53
4:d:30:THR:O	4:d:82:TYR:HA	2.09	0.53
14:l:1501:CLA:HMB3	14:l:1501:CLA:HBB1	1.91	0.53
1:G:173:PHE:CD2	14:G:1108:CLA:HBC1	2.43	0.52
1:G:221:PRO:HG3	1:G:248:MET:HE1	1.91	0.52
14:G:1115:CLA:HBD	14:G:1115:CLA:HBA1	1.91	0.52
1:A:435:ARG:O	1:A:439:HIS:ND1	2.40	0.52
14:A:1115:CLA:HBD	14:A:1115:CLA:HBA1	1.91	0.52
2:B:15:ASP:HB3	2:B:20:ARG:HB3	1.91	0.52
4:D:84:ILE:HB	4:D:97:HIS:HB3	1.91	0.52
2:H:343:TRP:HE1	14:H:1221:CLA:C2B	2.21	0.52
2:H:699:PHE:O	10:U:118:TYR:OH	2.23	0.52
14:U:1501:CLA:HBB1	14:U:1501:CLA:HMB3	1.91	0.52
5:e:10:ILE:HG22	5:e:12:ARG:H	1.74	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:x:5:LYS:N	12:x:87:ASP:CB	2.72	0.52
1:A:48:TRP:CG	1:A:753:GLN:HE22	2.27	0.52
14:B:1209:CLA:HAB	14:B:1217:CLA:C4C	2.40	0.52
12:X:4:TYR:O	12:X:20:GLU:CA	2.56	0.52
1:a:44:THR:CG2	1:a:746:PRO:HA	2.38	0.52
20:a:5003:LMG:HC72	21:l:6101:LMT:H2'	1.91	0.52
14:A:1141:CLA:HAB	18:b:4006:BCR:H333	1.92	0.52
1:G:745:GLN:NE2	5:P:16:TYR:OH	2.41	0.52
2:H:125:TYR:O	2:H:130:ARG:NH1	2.39	0.52
2:H:709:LEU:HB3	2:H:713:GLN:HG2	1.92	0.52
1:a:259:ILE:HD12	1:a:263:PHE:HE2	1.72	0.52
2:b:404:ASP:OD2	4:d:131:LYS:NZ	2.42	0.52
2:B:195:VAL:HG23	2:B:196:HIS:HD2	1.74	0.52
2:B:709:LEU:HB3	2:B:713:GLN:HG2	1.92	0.52
14:B:1216:CLA:HAC1	14:B:1221:CLA:H193	1.92	0.52
1:G:48:TRP:CG	1:G:753:GLN:HE22	2.27	0.52
1:a:37:LEU:O	1:a:46:TRP:NE1	2.35	0.52
2:b:526:ASP:OD2	2:b:603:TYR:OH	2.22	0.52
1:A:30:PRO:HB3	14:A:1101:CLA:HAC1	1.92	0.52
1:G:292:ILE:HG21	14:G:1117:CLA:HED1	1.90	0.52
1:a:30:PRO:HB3	14:a:1101:CLA:HAC1	1.92	0.52
1:a:745:GLN:NE2	5:e:16:TYR:OH	2.41	0.52
2:b:709:LEU:HB3	2:b:713:GLN:HG2	1.92	0.52
15:b:1219:F6C:O1A	21:b:6004:LMT:O5'	2.27	0.52
1:A:227:ASP:OD2	1:A:281:ASN:ND2	2.43	0.52
14:A:1115:CLA:H11	9:K:76:LEU:HD13	1.92	0.52
14:G:1115:CLA:H11	9:T:76:LEU:HD13	1.92	0.52
14:a:1128:CLA:H91	19:a:5001:LHG:H301	1.90	0.52
2:b:195:VAL:HG23	2:b:196:HIS:HD2	1.74	0.52
2:b:384:TYR:CD2	14:b:1224:CLA:HAB	2.45	0.52
1:A:11:ALA:N	1:A:182:ARG:HH21	2.00	0.52
1:A:37:LEU:HD13	1:A:50:LEU:CD1	2.40	0.52
2:B:384:TYR:CD2	14:B:1224:CLA:HAB	2.45	0.52
1:G:30:PRO:HB3	14:G:1101:CLA:HAC1	1.92	0.52
2:H:293:THR:OG1	2:H:294:ASN:N	2.42	0.52
2:H:384:TYR:CD2	14:H:1224:CLA:HAB	2.45	0.52
15:H:1219:F6C:O1A	21:H:6004:LMT:O5'	2.27	0.52
1:a:48:TRP:CG	1:a:753:GLN:HE22	2.27	0.52
14:a:1124:CLA:H2	14:a:1135:CLA:HMA2	1.91	0.52
2:b:680:TYR:OH	14:b:1023:CLA:OBD	2.25	0.52
1:A:221:PRO:HG3	1:A:248:MET:HE1	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:592:TRP:HH2	14:B:1022:CLA:HAB	1.72	0.52
15:B:1219:F6C:O1A	21:B:6004:LMT:O5'	2.27	0.52
14:G:1124:CLA:H2	14:G:1135:CLA:HMA2	1.91	0.52
14:A:1124:CLA:H2	14:A:1135:CLA:HMA2	1.91	0.52
14:L:1501:CLA:HMB3	14:L:1501:CLA:HBB1	1.91	0.52
18:G:4006:BCR:H362	14:H:1022:CLA:H51	1.92	0.52
14:U:1501:CLA:H201	14:U:1503:CLA:H142	1.89	0.52
1:a:221:PRO:HG3	1:a:248:MET:HE1	1.91	0.52
2:b:101:MET:HE2	7:i:7:LEU:HG	1.91	0.52
4:d:84:ILE:HB	4:d:97:HIS:HB3	1.91	0.52
12:x:48:SER:HB2	12:x:98:LEU:HD12	1.92	0.52
20:A:5003:LMG:HC72	21:L:6101:LMT:H2'	1.91	0.51
1:G:768:VAL:HG22	18:G:4006:BCR:H323	1.93	0.51
20:G:5003:LMG:HC72	21:U:6101:LMT:H2'	1.91	0.51
18:a:4006:BCR:H362	14:b:1022:CLA:H51	1.92	0.51
14:b:1225:CLA:H202	18:b:4005:BCR:H352	1.92	0.51
14:G:1134:CLA:HHC	14:G:1134:CLA:HBB1	1.93	0.51
2:H:195:VAL:HG23	2:H:196:HIS:HD2	1.74	0.51
18:R:4020:BCR:HC41	10:U:93:TYR:CG	2.45	0.51
10:U:119:ASN:O	10:U:130:ARG:NH2	2.44	0.51
1:a:37:LEU:HD13	1:a:50:LEU:CD1	2.40	0.51
2:b:15:ASP:HB3	2:b:20:ARG:HB3	1.91	0.51
10:l:119:ASN:O	10:l:130:ARG:NH2	2.44	0.51
3:C:24:ASP:OD2	4:D:97:HIS:ND1	2.35	0.51
10:L:119:ASN:O	10:L:130:ARG:NH2	2.44	0.51
1:G:26:ARG:HH12	14:G:1109:CLA:HED1	1.75	0.51
1:G:37:LEU:HD13	1:G:50:LEU:CD1	2.40	0.51
1:a:768:VAL:HG22	18:a:4006:BCR:H323	1.93	0.51
1:A:591:ARG:NH2	4:D:14:THR:O	2.42	0.51
1:A:624:LEU:HD22	2:B:676:THR:HG22	1.93	0.51
2:B:176:ASN:HB3	14:B:1217:CLA:HMD2	1.92	0.51
12:X:48:SER:HB2	12:X:98:LEU:HD12	1.92	0.51
1:G:591:ARG:NH2	4:O:14:THR:O	2.42	0.51
14:H:1225:CLA:H202	18:H:4005:BCR:H352	1.92	0.51
1:A:709:VAL:HG11	1:A:764:LEU:HD23	1.93	0.51
1:A:768:VAL:HG22	18:A:4006:BCR:H323	1.92	0.51
18:I:4020:BCR:HC41	10:L:93:TYR:CG	2.45	0.51
2:H:176:ASN:HB3	14:H:1217:CLA:HMD2	1.92	0.51
14:H:1216:CLA:HAC1	14:H:1221:CLA:H193	1.92	0.51
1:a:315:GLY:HA3	9:k:44:ASP:CB	2.41	0.51
2:b:200:PRO:O	2:b:205:GLN:HG2	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:b:1216:CLA:HAC1	14:b:1221:CLA:H193	1.92	0.51
3:C:29:VAL:HG12	4:D:111:ARG:HB2	1.93	0.51
2:H:101:MET:HE2	7:R:7:LEU:HG	1.91	0.51
1:a:31:GLY:CA	1:a:37:LEU:HB3	2.41	0.51
18:A:4006:BCR:H362	14:B:1022:CLA:H51	1.92	0.51
14:B:1204:CLA:HMB3	14:B:1205:CLA:HHB	1.92	0.51
14:B:1225:CLA:H202	18:B:4005:BCR:H352	1.92	0.51
1:G:37:LEU:O	1:G:46:TRP:NE1	2.35	0.51
1:G:739:ARG:NH1	6:Q:155:GLU:O	2.43	0.51
14:a:1115:CLA:H11	9:k:76:LEU:HD13	1.92	0.51
14:b:1209:CLA:HAB	14:b:1217:CLA:C4C	2.40	0.51
1:A:739:ARG:NH1	6:F:155:GLU:O	2.43	0.51
2:B:101:MET:HE2	7:I:7:LEU:HG	1.91	0.51
2:B:333:TYR:OH	2:B:344:HIS:NE2	2.40	0.51
1:G:319:SER:OG	1:G:322:THR:OG1	2.18	0.51
14:b:1227:CLA:HAB	14:b:1236:CLA:HBB2	1.92	0.51
6:F:103:PHE:HA	6:F:143:TRP:CD1	2.46	0.51
9:K:42:ILE:H	9:K:42:ILE:CD1	2.04	0.51
14:L:1501:CLA:H201	14:L:1503:CLA:H142	1.89	0.51
1:G:134:ARG:CG	1:G:134:ARG:NH1	2.73	0.51
1:G:260:ARG:N	1:G:261:PRO:CD	2.72	0.51
1:G:709:VAL:HG11	1:G:764:LEU:HD23	1.93	0.51
2:H:333:TYR:OH	2:H:344:HIS:NE2	2.40	0.51
18:R:4018:BCR:H332	19:l:5102:LHG:H383	1.92	0.51
12:W:61:GLN:HG3	12:W:61:GLN:O	2.11	0.51
6:f:64:GLN:O	6:f:66:TYR:N	2.44	0.51
18:i:4020:BCR:HC41	10:l:93:TYR:CG	2.45	0.51
1:A:221:PRO:HB3	1:A:241:PHE:CZ	2.46	0.51
1:G:31:GLY:CA	1:G:37:LEU:HB3	2.41	0.51
2:H:448:ASP:OD1	2:H:626:LEU:N	2.43	0.51
14:H:1209:CLA:HAB	14:H:1217:CLA:C4C	2.40	0.51
1:a:344:HIS:HB3	1:a:347:LEU:HD12	1.93	0.51
6:f:103:PHE:HA	6:f:143:TRP:CD1	2.46	0.51
12:x:61:GLN:HG3	12:x:61:GLN:O	2.11	0.51
1:A:31:GLY:CA	1:A:37:LEU:HB3	2.41	0.50
1:A:315:GLY:HA3	9:K:44:ASP:CB	2.41	0.50
14:A:1103:CLA:H121	18:A:4002:BCR:HC41	1.93	0.50
12:X:61:GLN:HG3	12:X:61:GLN:O	2.11	0.50
2:H:200:PRO:O	2:H:205:GLN:HG2	2.11	0.50
14:H:1204:CLA:HMB3	14:H:1205:CLA:HHB	1.92	0.50
7:R:38:LEU:HB3	21:l:6001:LMT:H42	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:242:VAL:O	14:a:1113:CLA:CED	2.58	0.50
14:a:1134:CLA:HBB1	14:a:1134:CLA:HHC	1.93	0.50
14:b:1204:CLA:HMB3	14:b:1205:CLA:HHB	1.92	0.50
13:A:1011:CL0:H70	25:A:8018:HOH:O	2.11	0.50
2:H:526:ASP:OD2	2:H:603:TYR:OH	2.22	0.50
3:N:24:ASP:OD2	4:O:97:HIS:ND1	2.35	0.50
14:U:1501:CLA:HAA1	14:U:1501:CLA:HBD	1.94	0.50
1:a:227:ASP:OD2	1:a:281:ASN:ND2	2.43	0.50
13:a:1011:CL0:H70	25:a:8018:HOH:O	2.11	0.50
2:b:176:ASN:HB3	14:b:1217:CLA:HMD2	1.92	0.50
2:b:293:THR:OG1	2:b:294:ASN:N	2.42	0.50
8:j:9:THR:HA	8:j:14:MET:HE2	1.93	0.50
1:G:315:GLY:HA3	9:T:44:ASP:CB	2.41	0.50
14:H:1227:CLA:HAB	14:H:1236:CLA:HBB2	1.92	0.50
12:W:49:THR:CA	12:W:95:GLU:OE1	2.54	0.50
10:l:117:THR:O	10:l:130:ARG:NH1	2.29	0.50
2:B:270:LEU:HD23	2:B:273:MET:HE3	1.93	0.50
14:B:1227:CLA:HAB	14:B:1236:CLA:HBB2	1.92	0.50
1:G:568:ILE:HD12	13:G:1011:CL0:H61	1.94	0.50
2:H:25:LEU:HD13	20:H:5002:LMG:H182	1.93	0.50
6:Q:64:GLN:O	6:Q:66:TYR:N	2.44	0.50
12:W:48:SER:HB2	12:W:98:LEU:HD12	1.92	0.50
1:a:260:ARG:N	1:a:261:PRO:CD	2.72	0.50
2:b:270:LEU:HD23	2:b:273:MET:HE3	1.93	0.50
14:b:1228:CLA:OBD	21:b:6002:LMT:O6'	2.30	0.50
10:l:102:ILE:HD11	18:l:4019:BCR:H271	1.93	0.50
14:A:1134:CLA:HHC	14:A:1134:CLA:HBB1	1.93	0.50
2:B:200:PRO:O	2:B:205:GLN:HG2	2.11	0.50
21:I:6001:LMT:H123	14:U:1501:CLA:H191	1.94	0.50
1:G:227:ASP:OD2	1:G:281:ASN:ND2	2.43	0.50
1:A:37:LEU:CD1	1:A:50:LEU:HD12	2.42	0.50
1:G:602:ARG:NH1	19:G:5001:LHG:O3	2.43	0.50
1:G:624:LEU:HD22	2:H:676:THR:HG22	1.93	0.50
14:H:1220:CLA:H42	14:H:1221:CLA:H143	1.94	0.50
1:a:602:ARG:NH1	19:a:5001:LHG:O3	2.43	0.50
14:a:1103:CLA:H121	18:a:4002:BCR:HC41	1.93	0.50
12:x:4:TYR:O	12:x:20:GLU:CA	2.56	0.50
1:A:344:HIS:HB3	1:A:347:LEU:HD12	1.93	0.50
4:D:120:ARG:HD2	5:E:12:ARG:HE	1.77	0.50
1:G:173:PHE:CE2	14:G:1108:CLA:HBC3	2.47	0.50
2:H:313:TRP:O	15:H:1219:F6C:O2A	2.30	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:O:50:ASN:N	4:O:54:ASN:HD21	2.09	0.50
6:Q:103:PHE:HA	6:Q:143:TRP:CD1	2.46	0.50
14:V:1501:CLA:HBA2	1:a:335:PHE:HB3	1.94	0.50
1:a:221:PRO:HB3	1:a:241:PHE:CZ	2.46	0.50
1:A:11:ALA:HA	14:A:1108:CLA:HED3	1.94	0.50
1:G:11:ALA:HA	14:G:1108:CLA:HED3	1.94	0.50
1:G:37:LEU:CD1	1:G:50:LEU:HD12	2.42	0.50
1:a:26:ARG:HH12	14:a:1109:CLA:HED1	1.75	0.50
1:a:37:LEU:CD1	1:a:50:LEU:HD12	2.42	0.50
1:a:739:ARG:NH1	6:f:155:GLU:O	2.44	0.50
14:b:1211:CLA:HMA3	18:b:4006:BCR:H292	1.94	0.50
14:H:1211:CLA:HMA3	18:H:4006:BCR:H292	1.94	0.50
18:U:4022:BCR:H383	10:l:148:GLY:HA3	1.94	0.50
1:a:173:PHE:CE2	14:a:1108:CLA:HBC3	2.47	0.50
14:l:1501:CLA:HBD	14:l:1501:CLA:HAA1	1.94	0.50
1:A:26:ARG:HH12	14:A:1109:CLA:HED1	1.75	0.49
10:L:102:ILE:HD11	18:L:4019:BCR:H271	1.93	0.49
14:M:1501:CLA:HAA1	1:G:334:PRO:HB2	1.93	0.49
1:G:249:ALA:HA	1:G:252:TYR:O	2.12	0.49
13:G:1011:CL0:H70	25:G:8018:HOH:O	2.11	0.49
4:d:120:ARG:HD2	5:e:12:ARG:HE	1.77	0.49
10:l:41:ASN:HB3	14:l:1501:CLA:HAC1	1.94	0.49
14:l:1501:CLA:H201	14:l:1503:CLA:H142	1.89	0.49
1:A:568:ILE:HD12	13:A:1011:CL0:H61	1.94	0.49
2:B:476:LYS:HZ1	2:B:478:LEU:HD12	1.77	0.49
2:B:590:THR:HB	2:B:719:LEU:HD11	1.94	0.49
2:B:697:LEU:HB2	18:I:4020:BCR:H282	1.94	0.49
14:B:1211:CLA:HMA3	18:B:4006:BCR:H292	1.94	0.49
4:D:50:ASN:N	4:D:54:ASN:HD21	2.09	0.49
14:a:1130:CLA:H61	14:l:1502:CLA:H101	1.95	0.49
2:b:25:LEU:HD13	20:b:5002:LMG:H182	1.93	0.49
2:b:313:TRP:O	15:b:1219:F6C:O2A	2.30	0.49
3:c:29:VAL:HG12	4:d:111:ARG:HB2	1.93	0.49
4:d:50:ASN:N	4:d:54:ASN:HD21	2.09	0.49
2:B:25:LEU:HD13	20:B:5002:LMG:H182	1.93	0.49
6:F:59:PHE:O	6:F:63:TYR:HB2	2.12	0.49
6:F:64:GLN:O	6:F:66:TYR:N	2.44	0.49
8:J:9:THR:HA	8:J:14:MET:HE2	1.93	0.49
10:L:41:ASN:HB3	14:L:1501:CLA:HAC1	1.94	0.49
2:H:697:LEU:HB2	18:R:4020:BCR:H282	1.94	0.49
14:H:1228:CLA:OBD	21:H:6002:LMT:O6'	2.30	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:N:29:VAL:HG12	4:O:111:ARG:HB2	1.93	0.49
8:S:9:THR:HA	8:S:14:MET:HE2	1.93	0.49
12:W:54:LEU:HG	12:W:77:VAL:CG2	2.42	0.49
1:a:173:PHE:HD2	14:a:1108:CLA:HBC1	1.76	0.49
2:b:590:THR:HB	2:b:719:LEU:HD11	1.94	0.49
2:b:692:HIS:O	10:l:127:ARG:NH2	2.41	0.49
14:A:1130:CLA:H61	14:L:1502:CLA:H101	1.95	0.49
14:B:1228:CLA:OBD	21:B:6002:LMT:O6'	2.30	0.49
4:D:71:LEU:HB3	4:D:79:ILE:HB	1.95	0.49
14:H:1229:CLA:HBB2	18:H:4014:BCR:HC31	1.94	0.49
1:a:259:ILE:HD12	1:a:263:PHE:CE2	2.47	0.49
2:b:424:ALA:O	2:b:428:HIS:ND1	2.31	0.49
14:B:1220:CLA:H42	14:B:1221:CLA:H143	1.94	0.49
14:B:1229:CLA:H143	14:B:1235:CLA:H142	1.94	0.49
14:B:1229:CLA:HBB2	18:B:4014:BCR:HC31	1.94	0.49
9:K:47:PRO:HB2	9:K:57:LEU:HD23	1.95	0.49
1:G:221:PRO:HB3	1:G:241:PHE:CZ	2.46	0.49
1:a:11:ALA:HA	14:a:1108:CLA:HED3	1.94	0.49
1:a:11:ALA:CA	1:a:182:ARG:NH2	2.76	0.49
1:a:171:MET:HE1	14:a:1111:CLA:C9	2.42	0.49
1:a:709:VAL:HG11	1:a:764:LEU:HD23	1.93	0.49
3:c:27:GLU:OE2	4:d:111:ARG:HD3	2.13	0.49
6:f:59:PHE:O	6:f:63:TYR:HB2	2.12	0.49
1:A:402:TRP:NE1	14:A:1126:CLA:HAB	2.27	0.49
2:H:692:HIS:O	10:U:127:ARG:NH2	2.41	0.49
4:O:71:LEU:HB3	4:O:79:ILE:HB	1.95	0.49
6:Q:59:PHE:O	6:Q:63:TYR:HB2	2.12	0.49
10:U:41:ASN:HB3	14:U:1501:CLA:HAC1	1.94	0.49
1:a:568:ILE:HD12	13:a:1011:CL0:H61	1.94	0.49
2:b:448:ASP:OD1	2:b:626:LEU:N	2.43	0.49
14:b:1220:CLA:H42	14:b:1221:CLA:H143	1.93	0.49
14:L:1501:CLA:HBD	14:L:1501:CLA:HAA1	1.94	0.49
1:G:259:ILE:HD12	1:G:263:PHE:CE2	2.48	0.49
3:N:27:GLU:OE2	4:O:111:ARG:HD3	2.13	0.49
10:U:102:ILE:HD11	18:U:4019:BCR:H271	1.93	0.49
1:a:624:LEU:HD22	2:b:676:THR:HG22	1.93	0.49
14:b:1229:CLA:H143	14:b:1235:CLA:H142	1.94	0.49
2:B:293:THR:OG1	2:B:294:ASN:N	2.42	0.49
14:B:1201:CLA:H62	14:B:1201:CLA:H41	1.55	0.49
8:J:27:ILE:O	8:J:31:HIS:HB2	2.12	0.49
8:j:27:ILE:O	8:j:31:HIS:HB2	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:1103:CLA:H121	18:G:4002:BCR:HC41	1.93	0.49
2:H:397:GLY:HA2	18:H:4010:BCR:H393	1.95	0.49
14:H:1224:CLA:H62	14:H:1224:CLA:H41	1.61	0.49
1:a:591:ARG:NH2	4:d:14:THR:O	2.42	0.49
1:a:645:GLN:NE2	1:a:777:ARG:HE	2.07	0.49
2:b:697:LEU:HB2	18:i:4020:BCR:H282	1.94	0.49
14:b:1217:CLA:H3A	14:b:1217:CLA:HBA2	1.55	0.49
1:A:173:PHE:CE2	14:A:1108:CLA:HBC3	2.47	0.49
1:A:259:ILE:HD12	1:A:263:PHE:CE2	2.48	0.49
1:A:333:LEU:N	15:A:1121:F6C:OMB	2.45	0.49
1:A:334:PRO:HB2	14:m:1501:CLA:HAA1	1.95	0.49
2:B:692:HIS:O	10:L:127:ARG:NH2	2.41	0.49
10:L:117:THR:O	10:L:130:ARG:NH1	2.29	0.49
19:L:5102:LHG:H383	18:i:4018:BCR:H332	1.94	0.49
1:G:88:GLY:O	1:G:92:HIS:HD2	1.96	0.49
1:G:344:HIS:HB3	1:G:347:LEU:HD12	1.94	0.49
14:G:1130:CLA:H61	14:U:1502:CLA:H101	1.95	0.49
2:H:45:ARG:HH21	14:H:1201:CLA:HED2	1.78	0.49
8:S:27:ILE:O	8:S:31:HIS:HB2	2.13	0.49
1:A:11:ALA:CA	1:A:182:ARG:NH2	2.76	0.48
1:A:676:TRP:HB3	13:A:1011:CL0:H48	1.95	0.48
2:B:148:VAL:HG21	19:G:5002:LHG:H362	1.94	0.48
11:M:24:ARG:NH2	14:M:1501:CLA:O1D	2.28	0.48
2:H:590:THR:HB	2:H:719:LEU:HD11	1.94	0.48
11:m:24:ARG:NH2	14:m:1501:CLA:O1D	2.28	0.48
2:B:397:GLY:HA2	18:B:4010:BCR:H393	1.95	0.48
2:B:526:ASP:OD2	2:B:603:TYR:OH	2.22	0.48
6:F:64:GLN:O	6:F:65:SER:C	2.56	0.48
1:G:265:LEU:HD11	9:T:72:VAL:HG13	1.95	0.48
14:G:1140:CLA:H62	14:G:1140:CLA:H41	1.54	0.48
2:H:270:LEU:HD23	2:H:273:MET:HE3	1.94	0.48
1:a:134:ARG:CG	1:a:134:ARG:NH1	2.73	0.48
1:a:249:ALA:HA	1:a:252:TYR:O	2.12	0.48
1:a:265:LEU:HD11	9:k:72:VAL:HG13	1.95	0.48
2:b:45:ARG:HH21	14:b:1201:CLA:HED2	1.78	0.48
2:b:418:VAL:HA	2:b:421:HIS:CE1	2.48	0.48
12:x:54:LEU:HG	12:x:77:VAL:CG2	2.42	0.48
1:A:447:LEU:HD21	1:A:577:VAL:HG12	1.96	0.48
2:B:313:TRP:O	15:B:1219:F6C:O2A	2.30	0.48
14:B:1206:CLA:H102	14:B:1206:CLA:H62	1.58	0.48
3:C:27:GLU:OE2	4:D:111:ARG:HD3	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:190:TRP:NE1	14:H:1215:CLA:O1D	2.41	0.48
14:H:1229:CLA:H143	14:H:1235:CLA:H142	1.94	0.48
9:T:29:ASN:OD1	14:T:1401:CLA:O2A	2.31	0.48
1:a:88:GLY:O	1:a:92:HIS:HD2	1.96	0.48
1:a:295:HIS:HB2	14:a:1116:CLA:CHB	2.44	0.48
2:b:364:PRO:HG3	14:b:1215:CLA:HBA1	1.95	0.48
1:A:602:ARG:NH1	19:A:5001:LHG:O3	2.43	0.48
12:X:54:LEU:HG	12:X:77:VAL:CG2	2.42	0.48
5:P:19:ARG:HD3	6:Q:161:SER:HA	1.95	0.48
9:T:47:PRO:HB2	9:T:57:LEU:HD23	1.94	0.48
2:b:316:PHE:HE1	14:b:1220:CLA:HMA1	1.79	0.48
2:B:418:VAL:HA	2:B:421:HIS:CE1	2.48	0.48
2:B:435:PHE:CE2	14:B:1235:CLA:HAB	2.49	0.48
1:G:447:LEU:HD21	1:G:577:VAL:HG12	1.95	0.48
7:R:16:LEU:O	7:R:20:MET:CG	2.62	0.48
9:k:29:ASN:OD1	14:k:1401:CLA:O2A	2.31	0.48
9:k:47:PRO:HB2	9:k:57:LEU:HD23	1.95	0.48
1:A:295:HIS:HB2	14:A:1116:CLA:CHB	2.44	0.48
18:A:4003:BCR:H351	18:A:4003:BCR:H15C	1.66	0.48
14:B:1206:CLA:H111	14:B:1206:CLA:H152	1.49	0.48
10:L:11:ASP:OD1	10:L:11:ASP:N	2.46	0.48
1:G:241:PHE:HE1	1:G:251:LEU:HD11	1.79	0.48
18:G:4003:BCR:H351	18:G:4003:BCR:H15C	1.66	0.48
2:H:364:PRO:HG3	14:H:1215:CLA:HBA1	1.95	0.48
2:H:424:ALA:O	2:H:428:HIS:ND1	2.31	0.48
4:O:61:LYS:HE3	4:O:96:ILE:HD12	1.96	0.48
11:V:24:ARG:NH2	14:V:1501:CLA:O1D	2.28	0.48
1:a:447:LEU:HD21	1:a:577:VAL:HG12	1.95	0.48
2:b:435:PHE:CE2	14:b:1235:CLA:HAB	2.48	0.48
14:b:1229:CLA:HBB2	18:b:4014:BCR:HC31	1.94	0.48
4:d:71:LEU:HB3	4:d:79:ILE:HB	1.95	0.48
1:A:242:VAL:O	14:A:1113:CLA:CED	2.58	0.48
2:B:114:ASN:ND2	14:B:1206:CLA:OBD	2.44	0.48
2:B:448:ASP:OD1	2:B:626:LEU:N	2.43	0.48
2:B:680:TYR:OH	14:B:1023:CLA:OBD	2.25	0.48
3:C:15:THR:HG22	3:C:28:MET:HG3	1.96	0.48
6:F:143:TRP:CD1	6:F:144:PRO:HD3	2.49	0.48
1:G:242:VAL:O	14:G:1113:CLA:CED	2.58	0.48
1:G:604:PRO:HB3	1:G:751:ILE:HB	1.96	0.48
1:a:11:ALA:N	1:a:182:ARG:HH21	2.00	0.48
2:b:101:MET:O	2:b:105:THR:OG1	2.26	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:595:ASN:HB2	14:b:1022:CLA:HBC2	1.95	0.48
6:f:64:GLN:O	6:f:65:SER:C	2.56	0.48
7:i:16:LEU:O	7:i:20:MET:CG	2.62	0.48
1:A:335:PHE:HZ	18:A:4004:BCR:H24C	1.79	0.48
6:Q:86:ARG:HA	6:Q:89:ASP:HB2	1.95	0.48
14:a:1136:CLA:H62	14:a:1136:CLA:H41	1.48	0.48
6:f:143:TRP:CD1	6:f:144:PRO:HD3	2.49	0.48
1:A:88:GLY:O	1:A:92:HIS:HD2	1.96	0.48
1:A:249:ALA:HA	1:A:252:TYR:O	2.13	0.48
2:B:273:MET:O	2:B:277:HIS:ND1	2.39	0.48
5:E:19:ARG:HD3	6:F:161:SER:HA	1.95	0.48
12:X:28:LEU:HD21	12:X:40:TYR:CG	2.49	0.48
14:H:1203:CLA:H112	14:H:1203:CLA:H152	1.55	0.48
14:a:1134:CLA:H3A	14:a:1134:CLA:HBA2	1.51	0.48
2:b:397:GLY:HA2	18:b:4010:BCR:H393	1.95	0.48
1:A:171:MET:HE1	14:A:1111:CLA:C9	2.42	0.48
1:A:265:LEU:HD11	9:K:72:VAL:HG13	1.95	0.48
2:B:45:ARG:HH21	14:B:1201:CLA:HED2	1.78	0.48
2:B:595:ASN:HB2	14:B:1022:CLA:HBC2	1.95	0.48
6:F:150:GLU:HB3	6:F:156:LEU:HB2	1.96	0.48
2:H:418:VAL:HA	2:H:421:HIS:CE1	2.48	0.48
1:a:726:GLU:OE2	2:b:554:SER:OG	2.30	0.48
1:A:330:PRO:HB2	2:b:160:ARG:NH1	2.29	0.47
2:B:478:LEU:HD11	2:B:521:ALA:CB	2.43	0.47
2:B:617:ALA:HA	2:B:620:ASN:HB2	1.96	0.47
9:K:29:ASN:OD1	14:K:1401:CLA:O2A	2.31	0.47
1:G:295:HIS:HB2	14:G:1116:CLA:CHB	2.44	0.47
1:G:402:TRP:NE1	14:G:1126:CLA:HAB	2.27	0.47
14:G:1106:CLA:HBA2	14:G:1106:CLA:H3A	1.45	0.47
14:G:1120:CLA:H3A	14:G:1120:CLA:HBA2	1.48	0.47
2:H:435:PHE:CE2	14:H:1235:CLA:HAB	2.49	0.47
2:H:653:LEU:HD11	2:H:740:SER:HB3	1.96	0.47
4:O:120:ARG:HD2	5:P:12:ARG:HE	1.77	0.47
10:U:137:GLN:HE22	10:l:52:PHE:HB3	1.79	0.47
1:a:333:LEU:N	15:a:1121:F6C:OMB	2.45	0.47
1:a:402:TRP:NE1	14:a:1126:CLA:HAB	2.27	0.47
2:b:617:ALA:HA	2:b:620:ASN:HB2	1.96	0.47
1:A:44:THR:HG22	1:A:744:ILE:HG22	1.96	0.47
4:D:30:THR:HA	4:D:54:ASN:O	2.14	0.47
20:I:5006:LMG:H112	21:U:6002:LMT:H41	1.96	0.47
1:G:676:TRP:HB3	13:G:1011:CL0:H48	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:U:4022:BCR:H24C	18:U:4022:BCR:H371	1.68	0.47
12:W:28:LEU:HD21	12:W:40:TYR:CG	2.49	0.47
14:b:1224:CLA:H62	14:b:1224:CLA:H41	1.61	0.47
5:e:19:ARG:HD3	6:f:161:SER:HA	1.95	0.47
9:k:27:ILE:HA	9:k:27:ILE:HD13	1.81	0.47
14:A:1115:CLA:H62	14:A:1115:CLA:H41	1.58	0.47
1:G:436:VAL:HA	1:G:439:HIS:CE1	2.50	0.47
1:G:630:TYR:CZ	1:G:766:SER:HB3	2.50	0.47
2:H:566:ALA:HB3	20:H:5002:LMG:HC2	1.96	0.47
14:H:1229:CLA:H41	14:H:1229:CLA:H62	1.63	0.47
1:a:145:MET:HA	1:a:383:TYR:CD2	2.49	0.47
1:A:145:MET:HA	1:A:383:TYR:CD2	2.49	0.47
1:A:454:LEU:HB3	1:A:571:PHE:HB2	1.97	0.47
1:A:630:TYR:CZ	1:A:766:SER:HB3	2.49	0.47
6:F:86:ARG:HA	6:F:89:ASP:HB2	1.95	0.47
7:I:16:LEU:O	7:I:20:MET:CG	2.62	0.47
1:G:444:ILE:HG13	1:G:586:PHE:HE1	1.80	0.47
1:a:419:MET:HE1	1:a:433:LEU:HD11	1.97	0.47
1:a:676:TRP:HB3	13:a:1011:CL0:H48	1.95	0.47
14:a:1012:CLA:H2	2:b:665:LEU:HD22	1.96	0.47
1:A:241:PHE:HE1	1:A:251:LEU:HD11	1.79	0.47
2:B:125:TYR:O	2:B:130:ARG:NH1	2.39	0.47
2:B:720:VAL:HG22	20:B:5002:LMG:H362	1.97	0.47
1:G:333:LEU:N	15:G:1121:F6C:OMB	2.45	0.47
2:H:595:ASN:HB2	14:H:1022:CLA:HBC2	1.95	0.47
4:O:30:THR:HA	4:O:54:ASN:O	2.14	0.47
1:a:26:ARG:HH12	14:a:1109:CLA:HED3	1.79	0.47
1:a:335:PHE:HZ	18:a:4004:BCR:H24C	1.79	0.47
1:a:454:LEU:HB3	1:a:571:PHE:HB2	1.97	0.47
14:b:1205:CLA:H202	14:b:1205:CLA:H161	1.76	0.47
4:d:30:THR:HA	4:d:54:ASN:O	2.14	0.47
6:f:86:ARG:HA	6:f:89:ASP:HB2	1.95	0.47
1:A:604:PRO:HB3	1:A:751:ILE:HB	1.96	0.47
2:B:364:PRO:HG3	14:B:1215:CLA:HBA1	1.95	0.47
1:G:335:PHE:HZ	18:G:4004:BCR:H24C	1.79	0.47
1:G:740:ILE:HG22	6:Q:109:ARG:HG3	1.97	0.47
2:H:720:VAL:HG22	20:H:5002:LMG:H362	1.97	0.47
10:U:76:LEU:HD21	10:l:166:ILE:HG12	1.96	0.47
1:a:436:VAL:HA	1:a:439:HIS:CE1	2.50	0.47
2:b:653:LEU:HD11	2:b:740:SER:HB3	1.96	0.47
1:A:332:MET:HE1	14:A:1122:CLA:HMA2	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:419:MET:HE1	1:A:433:LEU:HD11	1.97	0.47
14:A:1012:CLA:H2	2:B:665:LEU:HD22	1.96	0.47
14:A:1106:CLA:HBA2	14:A:1106:CLA:H3A	1.45	0.47
2:B:190:TRP:NE1	14:B:1215:CLA:O1D	2.41	0.47
2:B:190:TRP:HD1	2:B:277:HIS:CD2	2.33	0.47
1:G:11:ALA:CA	1:G:182:ARG:NH2	2.76	0.47
1:G:435:ARG:O	1:G:439:HIS:ND1	2.40	0.47
14:G:1106:CLA:O1A	14:G:1126:CLA:H2	2.15	0.47
3:N:23:THR:HG22	3:N:47:ASP:HB3	1.97	0.47
1:a:241:PHE:HE1	1:a:251:LEU:HD11	1.79	0.47
1:a:630:TYR:CZ	1:a:766:SER:HB3	2.49	0.47
2:b:125:TYR:O	2:b:130:ARG:NH1	2.39	0.47
2:b:566:ALA:HB3	20:b:5002:LMG:HC2	1.96	0.47
2:b:720:VAL:HG22	20:b:5002:LMG:H362	1.97	0.47
14:b:1206:CLA:H111	14:b:1206:CLA:H152	1.49	0.47
4:d:61:LYS:HE3	4:d:96:ILE:HD12	1.96	0.47
14:L:1501:CLA:H202	14:L:1503:CLA:H141	1.80	0.47
18:H:4004:BCR:H351	18:H:4004:BCR:H15C	1.60	0.47
6:Q:64:GLN:O	6:Q:65:SER:C	2.56	0.47
1:a:435:ARG:O	1:a:439:HIS:ND1	2.40	0.47
14:b:1216:CLA:HBB1	14:b:1221:CLA:H101	1.97	0.47
12:x:28:LEU:HD21	12:x:40:TYR:CG	2.49	0.47
1:A:75:HIS:ND1	14:A:1111:CLA:OBD	2.37	0.47
2:B:566:ALA:HB3	20:B:5002:LMG:HC2	1.96	0.47
14:B:1225:CLA:H12	18:B:4005:BCR:H393	1.97	0.47
14:G:1118:CLA:H62	14:G:1118:CLA:H41	1.64	0.47
2:H:404:ASP:OD2	4:O:131:LYS:NZ	2.42	0.47
14:H:1216:CLA:HBB1	14:H:1221:CLA:H101	1.97	0.47
1:a:44:THR:HG22	1:a:744:ILE:HG22	1.96	0.47
1:a:447:LEU:HA	1:a:450:VAL:HG12	1.97	0.47
14:a:1103:CLA:H161	18:a:4002:BCR:HC8	1.97	0.47
2:b:190:TRP:HD1	2:b:277:HIS:CD2	2.33	0.47
6:f:103:PHE:N	6:f:143:TRP:NE1	2.63	0.47
2:B:653:LEU:HD11	2:B:740:SER:HB3	1.96	0.47
14:B:1216:CLA:HBB1	14:B:1221:CLA:H101	1.97	0.47
15:B:1219:F6C:C7	15:B:1219:F6C:C4	2.93	0.47
3:C:19:ARG:HD3	12:X:99:TYR:CZ	2.50	0.47
4:D:61:LYS:HE3	4:D:96:ILE:HD12	1.96	0.47
6:F:143:TRP:CE2	6:F:144:PRO:HD3	2.50	0.47
1:G:145:MET:HA	1:G:383:TYR:CD2	2.49	0.47
3:N:9:ASP:CG	4:O:119:ARG:O	2.58	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:444:ILE:HG13	1:a:586:PHE:HE1	1.80	0.47
3:c:15:THR:HG22	3:c:28:MET:HG3	1.96	0.47
2:B:704:ASP:OD1	2:B:704:ASP:N	2.49	0.46
14:B:1217:CLA:H3A	14:B:1217:CLA:HBA2	1.55	0.46
6:F:103:PHE:N	6:F:143:TRP:NE1	2.63	0.46
14:L:1501:CLA:H122	14:L:1501:CLA:C17	2.35	0.46
1:G:119:LEU:HG	1:G:120:VAL:H	1.80	0.46
2:H:70:TRP:NE1	7:R:12:ALA:O	2.42	0.46
2:H:478:LEU:HD11	2:H:521:ALA:CB	2.43	0.46
2:H:537:LEU:HD23	2:H:596:THR:HG21	1.98	0.46
14:H:1223:CLA:H72	14:H:1223:CLA:H111	1.50	0.46
3:N:15:THR:HG22	3:N:28:MET:HG3	1.96	0.46
6:Q:143:TRP:CD1	6:Q:144:PRO:HD3	2.49	0.46
1:a:332:MET:HE1	14:a:1122:CLA:HMA2	1.97	0.46
14:a:1106:CLA:O1A	14:a:1126:CLA:H2	2.15	0.46
6:f:150:GLU:HB3	6:f:156:LEU:HB2	1.96	0.46
14:A:1140:CLA:H62	14:A:1140:CLA:H41	1.54	0.46
12:X:76:TYR:H	12:X:76:TYR:HD2	1.63	0.46
2:H:617:ALA:HA	2:H:620:ASN:HB2	1.96	0.46
15:H:1219:F6C:C7	15:H:1219:F6C:C4	2.93	0.46
3:N:19:ARG:HD3	12:W:99:TYR:CZ	2.50	0.46
4:O:119:ARG:HH21	4:O:124:ASN:HD22	1.01	0.46
12:W:76:TYR:H	12:W:76:TYR:HD2	1.63	0.46
3:c:19:ARG:HD3	12:x:99:TYR:CZ	2.50	0.46
1:A:119:LEU:HG	1:A:120:VAL:H	1.80	0.46
1:A:436:VAL:HA	1:A:439:HIS:CE1	2.50	0.46
2:B:537:LEU:HD23	2:B:596:THR:HG21	1.98	0.46
3:C:23:THR:HG22	3:C:47:ASP:HB3	1.97	0.46
1:G:29:LYS:HB3	1:G:29:LYS:HE3	1.76	0.46
1:G:447:LEU:HA	1:G:450:VAL:HG12	1.97	0.46
1:G:562:ASP:HA	1:G:565:ILE:HG22	1.97	0.46
14:G:1103:CLA:H161	18:G:4002:BCR:HC8	1.97	0.46
14:G:1112:CLA:H61	14:G:1112:CLA:H2	1.72	0.46
2:H:507:TRP:HD1	2:H:508:LEU:HD12	1.80	0.46
6:Q:103:PHE:N	6:Q:143:TRP:NE1	2.63	0.46
1:a:241:PHE:HE1	1:a:251:LEU:CD1	2.29	0.46
1:a:604:PRO:HB3	1:a:751:ILE:HB	1.96	0.46
14:a:1136:CLA:H142	14:a:1136:CLA:H112	1.79	0.46
12:x:43:ARG:HA	12:x:80:CYS:HB2	1.98	0.46
1:A:740:ILE:HG22	6:F:109:ARG:HG3	1.97	0.46
2:B:417:ARG:HD3	14:B:1227:CLA:OBD	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:1138:CLA:H61	14:G:1138:CLA:H2	1.52	0.46
2:H:190:TRP:HD1	2:H:277:HIS:CD2	2.33	0.46
2:b:273:MET:O	2:b:277:HIS:ND1	2.39	0.46
14:b:1201:CLA:H3A	11:m:29:LEU:HD13	1.98	0.46
14:b:1225:CLA:H12	18:b:4005:BCR:H393	1.97	0.46
14:b:1239:CLA:HBA2	16:b:2002:PQN:H251	1.97	0.46
1:A:444:ILE:HG13	1:A:586:PHE:HE1	1.80	0.46
14:A:1106:CLA:O1A	14:A:1126:CLA:H2	2.15	0.46
14:B:1223:CLA:H111	14:B:1223:CLA:H72	1.50	0.46
2:H:148:VAL:HG21	19:a:5002:LHG:H362	1.98	0.46
2:H:476:LYS:HZ1	2:H:478:LEU:HD12	1.80	0.46
1:a:379:SER:O	1:a:537:SER:OG	2.20	0.46
2:b:114:ASN:ND2	14:b:1206:CLA:OBD	2.44	0.46
2:b:417:ARG:HD3	14:b:1227:CLA:OBD	2.16	0.46
14:b:1206:CLA:H102	14:b:1206:CLA:H62	1.58	0.46
18:b:4009:BCR:H351	18:b:4009:BCR:H15C	1.60	0.46
10:l:58:ILE:O	10:l:62:HIS:ND1	2.45	0.46
1:A:241:PHE:HE1	1:A:251:LEU:CD1	2.29	0.46
1:G:26:ARG:NH1	14:G:1109:CLA:CED	2.76	0.46
1:G:645:GLN:NE2	1:G:777:ARG:HE	2.08	0.46
14:G:1134:CLA:HBA2	14:G:1134:CLA:H3A	1.51	0.46
2:H:114:ASN:ND2	14:H:1206:CLA:OBD	2.44	0.46
2:H:160:ARG:NH1	1:a:330:PRO:HB2	2.31	0.46
14:H:1201:CLA:H62	14:H:1201:CLA:H41	1.55	0.46
6:Q:143:TRP:CE2	6:Q:144:PRO:HD3	2.50	0.46
1:a:740:ILE:HG22	6:f:109:ARG:HG3	1.97	0.46
2:b:478:LEU:HD11	2:b:521:ALA:CB	2.43	0.46
14:A:1115:CLA:H61	14:A:1115:CLA:H93	1.77	0.46
2:B:533:ILE:HG21	14:B:1234:CLA:HAB	1.97	0.46
3:C:9:ASP:CG	4:D:119:ARG:O	2.58	0.46
14:G:1012:CLA:H2	2:H:665:LEU:HD22	1.96	0.46
1:a:119:LEU:HG	1:a:120:VAL:H	1.80	0.46
2:b:287:ALA:HB2	14:b:1216:CLA:HBC2	1.98	0.46
3:c:23:THR:HG22	3:c:47:ASP:HB3	1.97	0.46
18:i:4020:BCR:H351	18:i:4020:BCR:H15C	1.62	0.46
12:x:76:TYR:H	12:x:76:TYR:HD2	1.63	0.46
1:A:645:GLN:NE2	1:A:777:ARG:HE	2.07	0.46
1:G:44:THR:HG22	1:G:744:ILE:HG22	1.96	0.46
1:G:332:MET:HE1	14:G:1122:CLA:HMA2	1.97	0.46
1:G:454:LEU:HB3	1:G:571:PHE:HB2	1.97	0.46
2:H:417:ARG:HD3	14:H:1227:CLA:OBD	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:1231:CLA:H162	14:H:1231:CLA:H141	1.70	0.46
14:H:1239:CLA:HBA2	16:H:2002:PQN:H251	1.97	0.46
4:O:119:ARG:HH21	4:O:124:ASN:HD21	1.47	0.46
1:a:295:HIS:HB2	14:a:1116:CLA:C1B	2.46	0.46
14:b:1224:CLA:H62	14:b:1224:CLA:H92	1.70	0.46
14:A:1103:CLA:H161	18:A:4002:BCR:HC8	1.97	0.46
14:A:1118:CLA:H62	14:A:1118:CLA:H41	1.64	0.46
2:B:287:ALA:HB2	14:B:1216:CLA:HBC2	1.98	0.46
14:B:1224:CLA:H62	14:B:1224:CLA:H41	1.61	0.46
14:B:1239:CLA:H141	14:B:1239:CLA:H162	1.75	0.46
18:B:4010:BCR:H24C	18:B:4010:BCR:H371	1.80	0.46
1:G:75:HIS:ND1	14:G:1111:CLA:OBD	2.37	0.46
1:G:241:PHE:HE1	1:G:251:LEU:CD1	2.29	0.46
2:H:533:ILE:HG21	14:H:1234:CLA:HAB	1.97	0.46
14:H:1217:CLA:H3A	14:H:1217:CLA:HBA2	1.56	0.46
4:O:142:MET:SD	4:O:142:MET:N	2.85	0.46
6:Q:150:GLU:HB3	6:Q:156:LEU:HB2	1.96	0.46
1:a:22:THR:O	1:a:22:THR:OG1	2.29	0.46
1:a:37:LEU:HD13	1:a:50:LEU:HD13	1.98	0.46
13:a:1011:CL0:H23	2:b:630:PHE:HE2	1.81	0.46
14:b:1206:CLA:H3A	14:b:1206:CLA:HBA1	1.61	0.46
1:A:110:ARG:HH11	1:A:137:GLN:NE2	2.14	0.46
1:A:447:LEU:HA	1:A:450:VAL:HG12	1.97	0.46
14:B:1201:CLA:HBC2	18:L:4019:BCR:HC21	1.98	0.46
7:I:6:GLN:HB3	10:U:170:ALA:HB2	1.97	0.46
1:G:448:VAL:HG11	2:H:688:LEU:HD21	1.98	0.46
18:H:4017:BCR:H15C	18:H:4017:BCR:H351	1.66	0.46
18:R:4020:BCR:H351	18:R:4020:BCR:H15C	1.62	0.46
2:b:533:ILE:HG21	14:b:1234:CLA:HAB	1.97	0.46
2:b:537:LEU:HD23	2:b:596:THR:HG21	1.98	0.46
15:b:1219:F6C:C7	15:b:1219:F6C:C4	2.93	0.46
14:A:1102:CLA:HBA2	14:A:1102:CLA:H3A	1.57	0.45
18:B:4017:BCR:H351	18:B:4017:BCR:H15C	1.66	0.45
14:G:1136:CLA:H41	14:G:1136:CLA:H62	1.48	0.45
14:H:1222:CLA:H93	14:H:1222:CLA:H61	1.73	0.45
12:W:43:ARG:HA	12:W:80:CYS:HB2	1.98	0.45
1:a:105:ASP:OD2	1:a:108:HIS:HB2	2.17	0.45
1:a:591:ARG:HD3	3:c:80:ALA:HB3	1.98	0.45
1:A:37:LEU:HD13	1:A:50:LEU:HD13	1.98	0.45
1:A:114:GLN:NE2	14:A:1107:CLA:OBD	2.48	0.45
1:A:260:ARG:H	1:A:261:PRO:HD2	1.81	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:379:SER:O	1:A:537:SER:OG	2.20	0.45
2:B:487:ASN:HB3	2:B:490:SER:HB2	1.99	0.45
14:B:1229:CLA:H41	14:B:1229:CLA:H62	1.63	0.45
14:B:1239:CLA:HBA2	16:B:2002:PQN:H251	1.97	0.45
5:E:39:ARG:NH1	12:X:26:TYR:CE2	2.85	0.45
2:H:380:THR:HG23	2:H:601:THR:HG21	1.98	0.45
2:H:487:ASN:HB3	2:H:490:SER:HB2	1.99	0.45
14:H:1239:CLA:H141	14:H:1239:CLA:H162	1.75	0.45
1:a:110:ARG:HH11	1:a:137:GLN:NE2	2.14	0.45
1:a:260:ARG:HB2	1:a:261:PRO:HD3	1.98	0.45
1:a:562:ASP:HA	1:a:565:ILE:HG22	1.97	0.45
18:a:4006:BCR:H15C	18:a:4006:BCR:H351	1.74	0.45
3:c:9:ASP:CG	4:d:119:ARG:O	2.58	0.45
1:A:591:ARG:HD3	3:C:80:ALA:HB3	1.97	0.45
2:B:507:TRP:HD1	2:B:508:LEU:HD12	1.80	0.45
14:B:1211:CLA:H142	14:B:1211:CLA:H112	1.78	0.45
21:L:6001:LMT:H42	7:i:38:LEU:HB3	1.97	0.45
1:G:84:VAL:HG11	14:G:1106:CLA:H142	1.98	0.45
1:G:114:GLN:NE2	14:G:1107:CLA:OBD	2.48	0.45
13:G:1011:CL0:H23	2:H:630:PHE:HE2	1.81	0.45
14:H:1201:CLA:H93	14:H:1201:CLA:H61	1.82	0.45
14:H:1225:CLA:H12	18:H:4005:BCR:H393	1.97	0.45
1:a:448:VAL:HG11	2:b:688:LEU:HD21	1.98	0.45
3:c:24:ASP:OD2	4:d:97:HIS:ND1	2.35	0.45
1:A:84:VAL:HG11	14:A:1106:CLA:H142	1.98	0.45
18:B:4009:BCR:H24C	18:B:4009:BCR:H371	1.72	0.45
14:L:1503:CLA:HBD	14:L:1503:CLA:HBA2	1.98	0.45
14:H:1221:CLA:H61	14:H:1221:CLA:H41	1.77	0.45
14:a:1122:CLA:H41	14:a:1122:CLA:H62	1.71	0.45
14:b:1201:CLA:HBC2	18:l:4019:BCR:HC21	1.98	0.45
14:b:1216:CLA:H93	14:b:1216:CLA:H61	1.84	0.45
1:A:44:THR:HG21	1:A:746:PRO:HA	1.99	0.45
1:A:260:ARG:HB2	1:A:261:PRO:HD3	1.98	0.45
1:A:295:HIS:HB2	14:A:1116:CLA:C1B	2.46	0.45
1:A:562:ASP:HA	1:A:565:ILE:HG22	1.97	0.45
14:A:1126:CLA:H62	14:A:1126:CLA:H41	1.66	0.45
18:B:4014:BCR:H351	18:B:4014:BCR:H15C	1.81	0.45
4:D:98:PRO:HG3	4:D:103:PHE:CE1	2.52	0.45
7:I:38:LEU:HB3	21:U:6001:LMT:H42	1.99	0.45
1:G:105:ASP:OD2	1:G:108:HIS:HB2	2.17	0.45
1:G:419:MET:HE1	1:G:433:LEU:HD11	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:591:ARG:HD3	3:N:80:ALA:HB3	1.97	0.45
1:a:84:VAL:HG11	14:a:1106:CLA:H142	1.98	0.45
1:a:620:ASP:OD2	1:a:755:ARG:NH1	2.50	0.45
2:b:190:TRP:NE1	14:b:1215:CLA:O1D	2.41	0.45
2:b:483:SER:O	2:b:487:ASN:N	2.48	0.45
2:b:507:TRP:HD1	2:b:508:LEU:HD12	1.80	0.45
14:b:1220:CLA:H43	14:b:1221:CLA:H202	1.98	0.45
6:f:143:TRP:CE2	6:f:144:PRO:HD3	2.50	0.45
18:m:4021:BCR:H24C	18:m:4021:BCR:H371	1.80	0.45
1:A:254:SER:HB2	1:A:272:ASP:OD2	2.17	0.45
1:A:708:PHE:CG	18:A:4006:BCR:H363	2.51	0.45
18:A:4004:BCR:H351	18:A:4004:BCR:H15C	1.66	0.45
2:B:692:HIS:NE2	2:B:700:GLY:O	2.40	0.45
14:B:1220:CLA:H43	14:B:1221:CLA:H202	1.98	0.45
18:B:4004:BCR:H15C	18:B:4004:BCR:H351	1.60	0.45
7:I:3:ASP:N	7:I:3:ASP:OD1	2.49	0.45
18:I:4018:BCR:H332	19:U:5102:LHG:H383	1.98	0.45
9:K:68:HIS:HE1	14:K:1401:CLA:O2A	2.00	0.45
14:L:1501:CLA:HBB1	14:L:1501:CLA:CMB	2.47	0.45
12:X:27:ILE:HD11	12:X:59:VAL:HG11	1.99	0.45
12:X:43:ARG:HA	12:X:80:CYS:HB2	1.98	0.45
1:G:295:HIS:HB2	14:G:1116:CLA:C1B	2.46	0.45
1:G:708:PHE:CG	18:G:4006:BCR:H363	2.51	0.45
14:H:1218:CLA:H3A	14:H:1218:CLA:HBA1	1.76	0.45
14:H:1220:CLA:H43	14:H:1221:CLA:H202	1.98	0.45
3:N:59:PRO:HB3	12:W:46:ALA:HB3	1.99	0.45
4:O:120:ARG:O	5:P:14:GLU:OE2	2.35	0.45
1:a:18:SER:CB	1:a:183:SER:HG	2.24	0.45
2:b:380:THR:HG23	2:b:601:THR:HG21	1.99	0.45
14:b:1206:CLA:H151	14:b:1206:CLA:H18	1.75	0.45
1:A:287:LEU:HD21	1:A:380:MET:HB3	1.98	0.45
2:B:380:THR:HG23	2:B:601:THR:HG21	1.98	0.45
4:D:23:VAL:HB	10:L:119:ASN:HD22	1.82	0.45
7:I:20:MET:HE2	7:I:20:MET:HA	1.99	0.45
18:L:4022:BCR:H351	18:L:4022:BCR:H15C	1.71	0.45
1:G:428:ASN:ND2	1:G:433:LEU:HD23	2.32	0.45
18:T:4001:BCR:H351	18:T:4001:BCR:H15C	1.66	0.45
11:V:15:ALA:HB3	18:V:4021:BCR:H362	1.98	0.45
14:a:1118:CLA:H62	14:a:1118:CLA:H41	1.64	0.45
2:b:474:HIS:HA	2:b:485:LEU:HD12	1.99	0.45
3:c:59:PRO:HB3	12:x:46:ALA:HB3	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:d:120:ARG:O	5:e:14:GLU:OE2	2.35	0.45
7:i:3:ASP:N	7:i:3:ASP:OD1	2.49	0.45
14:l:1501:CLA:H202	14:l:1503:CLA:H141	1.80	0.45
1:A:448:VAL:HG11	2:B:688:LEU:HD21	1.98	0.45
4:D:142:MET:SD	4:D:142:MET:N	2.85	0.45
10:L:148:GLY:HA3	18:l:4022:BCR:H383	1.98	0.45
1:G:110:ARG:HH11	1:G:137:GLN:NE2	2.14	0.45
1:G:246:ALA:O	1:G:250:GLU:HG3	2.17	0.45
1:G:620:ASP:OD2	1:G:755:ARG:NH1	2.50	0.45
9:T:50:GLY:H	9:T:56:GLY:HA2	1.82	0.45
9:T:68:HIS:HE1	14:T:1401:CLA:O2A	2.00	0.45
1:a:246:ALA:O	1:a:250:GLU:HG3	2.17	0.45
1:a:287:LEU:HD21	1:a:380:MET:HB3	1.98	0.45
1:a:641:PHE:O	1:a:645:GLN:HB2	2.17	0.45
14:a:1116:CLA:H3A	14:a:1116:CLA:HBA2	1.58	0.45
14:b:1222:CLA:H91	14:b:1222:CLA:H111	1.84	0.45
14:b:1224:CLA:H112	14:b:1224:CLA:H91	1.59	0.45
18:b:4005:BCR:H351	18:b:4005:BCR:H15C	1.74	0.45
3:c:2:SER:N	3:c:71:ALA:O	2.50	0.45
14:B:1202:CLA:HBA1	14:B:1202:CLA:H3A	1.70	0.45
14:B:1224:CLA:H143	14:B:1224:CLA:H112	1.83	0.45
4:D:120:ARG:O	5:E:14:GLU:OE2	2.35	0.45
1:G:218:VAL:HG22	1:G:238:PRO:HB3	1.99	0.45
14:H:1206:CLA:H62	14:H:1206:CLA:H102	1.58	0.45
1:a:114:GLN:NE2	14:a:1107:CLA:OBD	2.48	0.45
2:b:144:LEU:HD21	11:m:14:LEU:HD11	1.99	0.45
9:k:68:HIS:HE1	14:k:1401:CLA:O2A	2.00	0.45
1:A:620:ASP:OD2	1:A:755:ARG:NH1	2.50	0.45
13:A:1011:CL0:H23	2:B:630:PHE:HE2	1.81	0.45
2:B:316:PHE:CE2	2:B:319:ALA:HB3	2.52	0.45
3:C:59:PRO:HB3	12:X:46:ALA:HB3	1.99	0.45
10:L:76:LEU:HD21	10:U:166:ILE:HG12	1.99	0.45
11:M:15:ALA:HB3	18:M:4021:BCR:H362	1.98	0.45
1:G:123:ASP:N	1:G:123:ASP:OD1	2.50	0.45
2:H:316:PHE:CE2	2:H:319:ALA:HB3	2.52	0.45
2:H:483:SER:O	2:H:487:ASN:N	2.48	0.45
4:O:98:PRO:HG3	4:O:103:PHE:CE1	2.52	0.45
1:a:73:SER:OG	1:a:179:TYR:HB2	2.17	0.45
1:a:254:SER:HB2	1:a:272:ASP:OD2	2.17	0.45
1:a:708:PHE:CG	18:a:4006:BCR:H363	2.51	0.45
14:a:1119:CLA:HBA1	14:a:1123:CLA:C3B	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:308:LEU:HD22	2:b:316:PHE:HD1	1.83	0.45
2:B:144:LEU:HD21	11:M:14:LEU:HD11	1.99	0.44
14:B:1222:CLA:HBA2	14:B:1222:CLA:H3A	1.61	0.44
9:K:17:TRP:CD1	9:K:21:VAL:HG12	2.52	0.44
14:M:1501:CLA:HBA2	1:G:335:PHE:HB3	1.98	0.44
1:G:73:SER:OG	1:G:179:TYR:HB2	2.17	0.44
1:G:287:LEU:HD21	1:G:380:MET:HB3	1.98	0.44
14:G:1119:CLA:HBA1	14:G:1123:CLA:C3B	2.47	0.44
2:H:287:ALA:HB2	14:H:1216:CLA:HBC2	1.98	0.44
2:H:316:PHE:HE1	14:H:1220:CLA:HMA2	1.82	0.44
4:O:23:VAL:HB	10:U:119:ASN:HD22	1.82	0.44
7:R:16:LEU:O	7:R:20:MET:HG2	2.17	0.44
14:U:1503:CLA:HBD	14:U:1503:CLA:HBA2	1.98	0.44
16:a:2001:PQN:H192	16:a:2001:PQN:H162	1.79	0.44
4:d:23:VAL:HB	10:l:119:ASN:HD22	1.82	0.44
4:d:98:PRO:HG3	4:d:103:PHE:CE1	2.52	0.44
1:A:635:MET:HE2	13:A:1011:CL0:H57	1.98	0.44
14:A:1119:CLA:HBA1	14:A:1123:CLA:C3B	2.47	0.44
2:B:231:GLY:HA2	14:B:1213:CLA:HAA2	2.00	0.44
2:B:316:PHE:HE1	14:B:1220:CLA:HMA2	1.82	0.44
2:B:699:PHE:O	10:L:118:TYR:OH	2.23	0.44
1:G:254:SER:HB2	1:G:272:ASP:OD2	2.17	0.44
13:G:1011:CL0:H10	13:G:1011:CL0:H72	1.75	0.44
14:H:1201:CLA:H3A	11:V:29:LEU:HD13	1.98	0.44
5:P:39:ARG:NH1	12:W:26:TYR:CE2	2.85	0.44
14:U:1501:CLA:HBB1	14:U:1501:CLA:CMB	2.47	0.44
1:a:562:ASP:O	1:a:566:HIS:ND1	2.34	0.44
1:a:635:MET:HE2	13:a:1011:CL0:H57	1.98	0.44
14:a:1102:CLA:H3A	14:a:1102:CLA:HBA2	1.57	0.44
14:a:1111:CLA:HBA2	14:a:1111:CLA:H12	1.75	0.44
14:a:1120:CLA:HBA2	14:a:1120:CLA:H3A	1.47	0.44
2:b:699:PHE:O	10:l:118:TYR:OH	2.23	0.44
14:b:1222:CLA:HBA2	14:b:1222:CLA:H3A	1.61	0.44
16:b:2002:PQN:H222	16:b:2002:PQN:H261	1.72	0.44
18:k:4001:BCR:H351	18:k:4001:BCR:H15C	1.66	0.44
14:l:1503:CLA:H141	14:l:1503:CLA:H162	1.76	0.44
1:A:246:ALA:O	1:A:250:GLU:HG3	2.17	0.44
14:A:1122:CLA:H62	14:A:1122:CLA:H41	1.71	0.44
14:A:1122:CLA:HBA2	14:A:1122:CLA:H3A	1.57	0.44
14:A:1138:CLA:H61	14:A:1138:CLA:H2	1.52	0.44
14:B:1202:CLA:H193	14:B:1202:CLA:H162	1.84	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:1206:CLA:H18	14:B:1206:CLA:H151	1.75	0.44
14:B:1218:CLA:H3A	14:B:1218:CLA:HBA1	1.76	0.44
14:B:1222:CLA:H92	14:B:1234:CLA:H2	1.99	0.44
14:B:1224:CLA:H112	14:B:1224:CLA:H91	1.60	0.44
12:X:64:GLN:C	12:X:64:GLN:CD	2.86	0.44
1:G:171:MET:HE1	14:G:1111:CLA:C9	2.42	0.44
1:G:715:MET:O	1:G:719:SER:OG	2.29	0.44
14:b:1240:CLA:HBA1	14:b:1240:CLA:H3A	1.86	0.44
5:e:39:ARG:NH1	12:x:26:TYR:CE2	2.85	0.44
12:x:27:ILE:HD11	12:x:59:VAL:HG11	1.99	0.44
1:A:328:ARG:HH11	1:A:328:ARG:HG3	1.82	0.44
3:C:2:SER:N	3:C:71:ALA:O	2.50	0.44
14:L:1503:CLA:H141	14:L:1503:CLA:H162	1.77	0.44
1:G:260:ARG:H	1:G:261:PRO:HD2	1.81	0.44
1:G:379:SER:O	1:G:537:SER:OG	2.20	0.44
9:T:17:TRP:CD1	9:T:21:VAL:HG12	2.52	0.44
14:b:1231:CLA:H162	14:b:1231:CLA:H141	1.70	0.44
7:i:20:MET:HA	7:i:20:MET:HE2	1.99	0.44
16:A:2001:PQN:H193	16:A:2001:PQN:H211	1.90	0.44
2:B:142:LEU:HD23	2:B:142:LEU:HA	1.85	0.44
14:B:1201:CLA:H3A	11:M:29:LEU:HD13	1.98	0.44
14:B:1235:CLA:H52	14:B:1235:CLA:H12	1.66	0.44
1:G:110:ARG:HH11	1:G:137:GLN:HE22	1.66	0.44
1:G:708:PHE:HB2	14:H:1022:CLA:HBA2	1.99	0.44
14:G:1102:CLA:H3A	14:G:1102:CLA:HBA2	1.57	0.44
14:G:1111:CLA:HBA2	14:G:1111:CLA:H12	1.75	0.44
18:G:4005:BCR:H351	18:G:4005:BCR:H15C	1.62	0.44
2:H:231:GLY:HA2	14:H:1213:CLA:HAA2	2.00	0.44
3:N:2:SER:N	3:N:71:ALA:O	2.50	0.44
12:W:64:GLN:CD	12:W:64:GLN:C	2.86	0.44
1:a:708:PHE:HB2	14:b:1022:CLA:HBA2	1.99	0.44
14:a:1125:CLA:H151	14:a:1133:CLA:H112	1.99	0.44
14:b:1201:CLA:H141	18:i:4018:BCR:H353	2.00	0.44
14:b:1202:CLA:H3A	14:b:1202:CLA:HBA1	1.70	0.44
18:b:4014:BCR:H351	18:b:4014:BCR:H15C	1.81	0.44
1:A:73:SER:OG	1:A:179:TYR:HB2	2.17	0.44
1:A:105:ASP:OD2	1:A:108:HIS:HB2	2.17	0.44
1:A:218:VAL:HG22	1:A:238:PRO:HB3	1.99	0.44
2:B:435:PHE:CD2	14:B:1235:CLA:HAB	2.53	0.44
2:B:474:HIS:HA	2:B:485:LEU:HD12	1.99	0.44
9:K:27:ILE:HD13	9:K:27:ILE:HA	1.81	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:50:GLY:H	9:K:56:GLY:HA2	1.82	0.44
1:G:37:LEU:HD13	1:G:50:LEU:HD13	1.98	0.44
1:G:635:MET:HE2	13:G:1011:CL0:H57	1.98	0.44
2:H:435:PHE:CD2	14:H:1235:CLA:HAB	2.53	0.44
14:H:1201:CLA:HBC2	18:U:4019:BCR:HC21	1.98	0.44
7:R:20:MET:HE2	7:R:20:MET:HA	1.99	0.44
18:R:4020:BCR:H312	18:R:4020:BCR:HC32	1.76	0.44
14:U:1503:CLA:H2	14:U:1503:CLA:H62	1.82	0.44
1:a:26:ARG:O	1:a:26:ARG:HG2	2.18	0.44
1:a:239:HIS:O	1:a:243:LEU:N	2.42	0.44
1:a:260:ARG:H	1:a:261:PRO:HD2	1.81	0.44
1:a:428:ASN:ND2	1:a:433:LEU:HD23	2.32	0.44
14:a:1013:CLA:H3A	14:a:1013:CLA:CGA	2.48	0.44
25:a:8001:HOH:O	15:b:1207:F6C:CAA	2.65	0.44
14:l:1503:CLA:HBA2	14:l:1503:CLA:HBD	1.97	0.44
18:l:4022:BCR:H371	18:l:4022:BCR:H24C	1.68	0.44
12:x:64:GLN:C	12:x:64:GLN:CD	2.86	0.44
1:A:134:ARG:CG	1:A:134:ARG:NH1	2.73	0.44
25:A:8001:HOH:O	15:B:1207:F6C:CAA	2.65	0.44
2:B:424:ALA:O	2:B:428:HIS:ND1	2.31	0.44
14:B:1222:CLA:H93	14:B:1222:CLA:H61	1.72	0.44
10:L:137:GLN:HE22	10:U:52:PHE:HB3	1.83	0.44
1:G:287:LEU:HD22	14:G:1116:CLA:HBA1	2.00	0.44
2:H:273:MET:O	2:H:277:HIS:ND1	2.39	0.44
14:H:1224:CLA:H62	14:H:1224:CLA:H92	1.70	0.44
14:a:1131:CLA:H121	14:b:1239:CLA:H91	2.00	0.44
18:a:4004:BCR:H351	18:a:4004:BCR:H15C	1.66	0.44
2:b:316:PHE:CE2	2:b:319:ALA:HB3	2.52	0.44
11:m:15:ALA:HB3	18:m:4021:BCR:H362	1.98	0.44
1:A:31:GLY:HA3	1:A:37:LEU:HB3	2.00	0.44
1:A:314:TRP:CD1	9:K:58:PRO:HG3	2.53	0.44
2:B:706:PRO:O	3:C:81:TYR:OH	2.29	0.44
14:B:1205:CLA:H202	14:B:1205:CLA:H161	1.75	0.44
14:B:1222:CLA:H72	14:B:1234:CLA:H92	2.00	0.44
1:G:26:ARG:HH12	14:G:1109:CLA:HED3	1.79	0.44
1:G:215:LEU:HA	1:G:219:ALA:HB3	2.00	0.44
1:G:260:ARG:HB2	1:G:261:PRO:HD3	1.98	0.44
1:G:302:LEU:HD13	14:G:1115:CLA:H171	1.99	0.44
2:H:474:HIS:HA	2:H:485:LEU:HD12	1.99	0.44
18:H:4010:BCR:H24C	18:H:4010:BCR:H371	1.80	0.44
1:a:40:GLY:HA2	1:a:41:PRO:HD2	1.65	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:276:HIS:HD2	2:b:277:HIS:ND1	2.16	0.44
2:b:487:ASN:HB3	2:b:490:SER:HB2	1.99	0.44
6:f:143:TRP:CG	6:f:144:PRO:CD	2.97	0.44
10:l:76:LEU:HD12	10:l:82:GLY:HA3	2.00	0.44
14:l:1501:CLA:HBB1	14:l:1501:CLA:CMB	2.47	0.44
1:A:302:LEU:HD13	14:A:1115:CLA:H171	1.99	0.44
1:A:428:ASN:ND2	1:A:433:LEU:HD23	2.32	0.44
1:A:768:VAL:HG22	18:A:4006:BCR:HC21	2.00	0.44
2:B:101:MET:O	2:B:105:THR:OG1	2.26	0.44
2:B:529:VAL:HG21	2:B:603:TYR:HB2	2.00	0.44
14:B:1201:CLA:H72	18:M:4021:BCR:H322	2.00	0.44
14:B:1227:CLA:HAB	14:B:1236:CLA:CBB	2.48	0.44
1:G:641:PHE:O	1:G:645:GLN:HB2	2.17	0.44
2:H:308:LEU:HD22	2:H:316:PHE:HD1	1.82	0.44
2:H:680:TYR:OH	14:H:1023:CLA:OBD	2.25	0.44
2:H:689:MET:O	2:H:693:GLU:HG3	2.18	0.44
14:H:1222:CLA:HBA2	14:H:1222:CLA:H3A	1.61	0.44
21:R:6001:LMT:H71	21:R:6001:LMT:H101	1.77	0.44
12:W:27:ILE:HD11	12:W:59:VAL:HG11	1.99	0.44
1:a:314:TRP:CD1	9:k:58:PRO:HG3	2.53	0.44
14:A:1125:CLA:H151	14:A:1133:CLA:H112	1.99	0.43
4:D:119:ARG:HH21	4:D:124:ASN:HD21	1.46	0.43
1:G:26:ARG:HG2	1:G:26:ARG:O	2.18	0.43
1:G:40:GLY:HA2	1:G:41:PRO:HD2	1.64	0.43
2:H:704:ASP:OD1	2:H:704:ASP:N	2.49	0.43
18:R:4018:BCR:H24C	18:R:4018:BCR:H371	1.73	0.43
1:a:302:LEU:HD13	14:a:1115:CLA:H171	1.99	0.43
14:b:1222:CLA:H92	14:b:1234:CLA:H2	1.99	0.43
9:k:17:TRP:CD1	9:k:21:VAL:HG12	2.52	0.43
1:A:26:ARG:HG2	1:A:26:ARG:O	2.18	0.43
1:A:44:THR:HG23	1:A:746:PRO:HA	2.00	0.43
1:A:215:LEU:HA	1:A:219:ALA:HB3	2.00	0.43
1:A:608:PRO:HD3	2:B:571:GLY:HA2	2.01	0.43
1:A:708:PHE:HB2	14:B:1022:CLA:HBA2	1.99	0.43
14:A:1013:CLA:CGA	14:A:1013:CLA:H3A	2.48	0.43
14:A:1125:CLA:H91	14:A:1125:CLA:H111	1.78	0.43
14:A:1134:CLA:H3A	14:A:1134:CLA:HBA2	1.51	0.43
4:D:120:ARG:HD2	5:E:12:ARG:NE	2.33	0.43
10:L:76:LEU:HD12	10:L:82:GLY:HA3	2.00	0.43
14:H:1215:CLA:HBA2	14:H:1215:CLA:H3A	1.66	0.43
14:H:1225:CLA:HBA2	14:H:1225:CLA:H3A	1.73	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:1235:CLA:H12	14:H:1235:CLA:H52	1.66	0.43
4:O:28:ALA:HB2	4:O:87:ILE:HD11	2.00	0.43
9:T:42:ILE:CG2	9:T:43:PRO:HD3	2.22	0.43
18:U:4022:BCR:H15C	18:U:4022:BCR:H351	1.71	0.43
1:a:44:THR:HG21	1:a:746:PRO:HA	1.98	0.43
1:a:110:ARG:HH11	1:a:137:GLN:HE22	1.66	0.43
1:a:328:ARG:HH11	1:a:328:ARG:HG3	1.82	0.43
14:b:1235:CLA:H12	14:b:1235:CLA:H52	1.66	0.43
7:i:16:LEU:O	7:i:20:MET:HG2	2.17	0.43
1:A:641:PHE:O	1:A:645:GLN:HB2	2.17	0.43
14:A:1117:CLA:H62	14:A:1117:CLA:H2	1.64	0.43
2:B:276:HIS:HD2	2:B:277:HIS:ND1	2.16	0.43
2:B:308:LEU:HD22	2:B:316:PHE:HD1	1.83	0.43
9:K:27:ILE:O	9:K:31:ILE:HG13	2.18	0.43
1:G:768:VAL:HG22	18:G:4006:BCR:HC21	2.00	0.43
14:G:1125:CLA:H151	14:G:1133:CLA:H112	1.99	0.43
14:H:1201:CLA:H72	18:V:4021:BCR:H322	2.00	0.43
14:H:1222:CLA:H72	14:H:1234:CLA:H92	2.00	0.43
14:H:1227:CLA:HAB	14:H:1236:CLA:CBB	2.48	0.43
10:U:155:ALA:O	10:U:159:ASN:ND2	2.39	0.43
1:a:218:VAL:HG22	1:a:238:PRO:HB3	1.99	0.43
2:b:50:HIS:CE1	14:b:1202:CLA:H171	2.52	0.43
2:b:689:MET:O	2:b:693:GLU:HG3	2.18	0.43
14:b:1222:CLA:H72	14:b:1234:CLA:H92	2.00	0.43
14:b:1223:CLA:H72	14:b:1223:CLA:H111	1.50	0.43
14:b:1229:CLA:H41	14:b:1229:CLA:H62	1.63	0.43
1:A:742:THR:HA	6:F:112:LEU:HD11	2.00	0.43
13:A:1011:CL0:H10	13:A:1011:CL0:H72	1.75	0.43
2:B:689:MET:O	2:B:693:GLU:HG3	2.18	0.43
14:B:1203:CLA:H112	14:B:1203:CLA:H152	1.55	0.43
14:B:1205:CLA:H2	14:B:1205:CLA:H61	1.76	0.43
25:G:8001:HOH:O	15:H:1207:F6C:CAA	2.65	0.43
4:O:120:ARG:HD2	5:P:12:ARG:NE	2.33	0.43
1:a:357:ALA:HB1	18:a:4004:BCR:H313	2.01	0.43
14:b:1227:CLA:HAB	14:b:1236:CLA:CBB	2.48	0.43
4:d:28:ALA:HB2	4:d:87:ILE:HD11	2.01	0.43
9:k:50:GLY:H	9:k:56:GLY:HA2	1.82	0.43
14:B:1201:CLA:H141	18:I:4018:BCR:H353	2.00	0.43
14:B:1210:CLA:H3A	14:B:1210:CLA:HBA1	1.73	0.43
18:K:4001:BCR:H351	18:K:4001:BCR:H15C	1.67	0.43
1:G:314:TRP:CD1	9:T:58:PRO:HG3	2.53	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:144:LEU:HD21	11:V:14:LEU:HD11	1.99	0.43
14:H:1203:CLA:H62	14:H:1203:CLA:H41	1.84	0.43
10:U:11:ASP:OD1	10:U:11:ASP:N	2.46	0.43
10:U:58:ILE:O	10:U:62:HIS:ND1	2.45	0.43
14:a:1115:CLA:H62	14:a:1115:CLA:H41	1.58	0.43
2:b:70:TRP:NE1	7:i:12:ALA:O	2.42	0.43
2:b:231:GLY:HA2	14:b:1213:CLA:HAA2	2.00	0.43
14:b:1226:CLA:H61	14:b:1226:CLA:H41	1.88	0.43
1:A:752:THR:OG1	19:A:5001:LHG:O5	2.37	0.43
14:A:1116:CLA:HBA2	14:A:1116:CLA:H3A	1.58	0.43
7:I:16:LEU:O	7:I:20:MET:HG2	2.17	0.43
14:G:1122:CLA:H62	14:G:1122:CLA:H41	1.71	0.43
2:H:50:HIS:CE1	14:H:1202:CLA:H171	2.52	0.43
2:H:230:TRP:HZ3	21:H:6003:LMT:H51	1.83	0.43
6:Q:143:TRP:CG	6:Q:144:PRO:CD	2.97	0.43
2:b:435:PHE:CD2	14:b:1235:CLA:HAB	2.53	0.43
14:b:1228:CLA:H93	14:b:1228:CLA:H62	1.88	0.43
14:A:1106:CLA:H41	14:A:1106:CLA:H61	1.88	0.43
14:B:1023:CLA:H202	14:B:1023:CLA:H162	1.89	0.43
1:G:44:THR:HG21	1:G:746:PRO:HA	1.99	0.43
1:G:177:PHE:HE2	14:G:1108:CLA:O1D	2.02	0.43
14:G:1013:CLA:O1A	2:H:434:LEU:HA	2.19	0.43
14:G:1131:CLA:H121	14:H:1239:CLA:H91	2.00	0.43
1:a:608:PRO:HD3	2:b:571:GLY:HA2	2.01	0.43
14:b:1221:CLA:H61	14:b:1221:CLA:H41	1.77	0.43
1:A:110:ARG:HH11	1:A:137:GLN:HE22	1.66	0.43
1:A:123:ASP:OD1	1:A:123:ASP:N	2.50	0.43
1:A:287:LEU:HD22	14:A:1116:CLA:HBA1	2.00	0.43
14:A:1115:CLA:H202	14:A:1115:CLA:H162	1.88	0.43
14:A:1130:CLA:H42	10:L:29:ILE:HG23	2.01	0.43
2:B:230:TRP:HZ3	21:B:6003:LMT:H51	1.83	0.43
14:B:1206:CLA:H3A	14:B:1206:CLA:HBA1	1.61	0.43
11:M:20:PHE:CD2	14:M:1501:CLA:HAB	2.54	0.43
1:G:31:GLY:HA3	1:G:37:LEU:HB3	2.00	0.43
1:G:328:ARG:HH11	1:G:328:ARG:HG3	1.82	0.43
2:H:276:HIS:HD2	2:H:277:HIS:ND1	2.16	0.43
14:H:1226:CLA:H111	14:H:1226:CLA:H72	1.91	0.43
18:H:4009:BCR:H371	18:H:4009:BCR:H24C	1.72	0.43
11:V:20:PHE:CD2	14:V:1501:CLA:HAB	2.54	0.43
11:V:20:PHE:HD2	14:V:1501:CLA:HAB	1.84	0.43
1:a:287:LEU:HD22	14:a:1116:CLA:HBA1	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:349:GLU:O	1:a:353:THR:OG1	2.33	0.43
2:b:401:LEU:HA	2:b:405:TYR:HB2	2.00	0.43
2:b:529:VAL:HG21	2:b:603:TYR:HB2	2.00	0.43
14:b:1210:CLA:HBA1	14:b:1210:CLA:H3A	1.73	0.43
14:b:1216:CLA:C4C	14:b:1221:CLA:H161	2.49	0.43
14:b:1226:CLA:H142	14:b:1226:CLA:H111	1.73	0.43
9:k:27:ILE:O	9:k:31:ILE:HG13	2.19	0.43
1:A:357:ALA:HB1	18:A:4004:BCR:H313	2.01	0.43
14:A:1111:CLA:H12	14:A:1111:CLA:HBA2	1.75	0.43
14:B:1215:CLA:CAB	14:B:1215:CLA:H93	2.49	0.43
18:L:4022:BCR:H383	10:U:148:GLY:HA3	2.01	0.43
1:G:44:THR:HG23	1:G:746:PRO:HA	2.00	0.43
14:H:1201:CLA:H141	18:R:4018:BCR:H353	2.00	0.43
14:H:1240:CLA:H3A	14:H:1240:CLA:HBA1	1.86	0.43
14:U:1503:CLA:H141	14:U:1503:CLA:H162	1.77	0.43
18:b:4009:BCR:H371	18:b:4009:BCR:H24C	1.72	0.43
4:d:120:ARG:HD2	5:e:12:ARG:NE	2.33	0.43
18:i:4020:BCR:H312	18:i:4020:BCR:HC32	1.76	0.43
14:A:1013:CLA:O1A	2:B:434:LEU:HA	2.19	0.43
14:A:1131:CLA:H121	14:B:1239:CLA:H91	2.00	0.43
11:M:20:PHE:HD2	14:M:1501:CLA:HAB	1.84	0.43
2:H:12:LEU:HD22	2:H:20:ARG:HA	2.01	0.43
14:H:1205:CLA:H2	14:H:1205:CLA:H61	1.76	0.43
14:H:1220:CLA:H193	14:H:1220:CLA:H162	1.90	0.43
12:W:54:LEU:HD23	12:W:54:LEU:HA	1.92	0.43
1:a:123:ASP:OD1	1:a:123:ASP:N	2.50	0.43
1:a:768:VAL:HG22	18:a:4006:BCR:HC21	2.00	0.43
13:a:1011:CL0:H10	13:a:1011:CL0:H72	1.75	0.43
14:b:1201:CLA:H72	18:m:4021:BCR:H322	2.00	0.43
14:b:1215:CLA:CAB	14:b:1215:CLA:H93	2.49	0.43
18:A:4006:BCR:H351	18:A:4006:BCR:H15C	1.74	0.42
14:B:1216:CLA:C4C	14:B:1221:CLA:H161	2.49	0.42
14:B:1231:CLA:H141	14:B:1231:CLA:H162	1.70	0.42
1:G:388:THR:HG21	1:G:547:VAL:HB	2.01	0.42
1:G:608:PRO:HD3	2:H:571:GLY:HA2	2.01	0.42
14:H:1222:CLA:H92	14:H:1234:CLA:H2	1.99	0.42
1:a:215:LEU:HA	1:a:219:ALA:HB3	2.00	0.42
2:b:230:TRP:HZ3	21:b:6003:LMT:H51	1.83	0.42
2:B:32:GLU:OE1	2:B:32:GLU:N	2.48	0.42
14:B:1216:CLA:H13	14:B:1216:CLA:H171	1.77	0.42
18:G:4004:BCR:H15C	18:G:4004:BCR:H351	1.66	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:529:VAL:HG21	2:H:603:TYR:HB2	2.00	0.42
14:U:1501:CLA:H162	14:U:1501:CLA:H193	1.82	0.42
1:a:31:GLY:HA3	1:a:37:LEU:HB3	2.00	0.42
14:a:1112:CLA:HAC2	14:a:1113:CLA:HMB2	2.01	0.42
1:A:110:ARG:NH1	1:A:137:GLN:HE22	2.17	0.42
1:A:177:PHE:HE2	14:A:1108:CLA:O1D	2.02	0.42
14:A:1112:CLA:HAC2	14:A:1113:CLA:HMB2	2.02	0.42
2:B:50:HIS:CE1	14:B:1202:CLA:H171	2.52	0.42
2:B:483:SER:O	2:B:487:ASN:N	2.48	0.42
14:B:1221:CLA:H61	14:B:1221:CLA:H41	1.77	0.42
1:G:742:THR:HA	6:Q:112:LEU:HD11	2.00	0.42
14:G:1128:CLA:H61	14:G:1128:CLA:H41	1.77	0.42
2:H:309:GLN:NE2	2:H:323:GLY:O	2.53	0.42
2:H:470:ILE:HA	2:H:473:VAL:HG22	2.02	0.42
14:H:1204:CLA:H91	14:H:1204:CLA:H112	1.81	0.42
14:H:1215:CLA:CAB	14:H:1215:CLA:H93	2.49	0.42
14:H:1216:CLA:C4C	14:H:1221:CLA:H161	2.49	0.42
14:a:1115:CLA:H202	14:a:1115:CLA:H162	1.88	0.42
16:a:2001:PQN:H242	16:a:2001:PQN:H212	1.82	0.42
2:B:130:ARG:NE	2:B:245:ASN:OD1	2.51	0.42
2:B:536:GLY:HA2	2:B:592:TRP:CZ3	2.54	0.42
10:L:70:GLU:HB2	10:L:87:GLY:HA2	2.01	0.42
18:G:4006:BCR:H15C	18:G:4006:BCR:H351	1.74	0.42
2:H:179:LEU:HD21	14:H:1216:CLA:C3B	2.50	0.42
2:H:536:GLY:HA2	2:H:592:TRP:CZ3	2.54	0.42
14:H:1201:CLA:H141	14:H:1201:CLA:H161	1.89	0.42
10:U:19:ASN:HB3	10:U:22:LEU:HG	2.02	0.42
1:a:29:LYS:HB3	1:a:29:LYS:HE3	1.77	0.42
1:a:177:PHE:HE2	14:a:1108:CLA:O1D	2.02	0.42
1:a:610:ARG:NH2	4:d:62:GLU:OE2	2.38	0.42
14:a:1013:CLA:O1A	2:b:434:LEU:HA	2.19	0.42
9:k:22:ALA:HA	14:k:1401:CLA:OBD	2.20	0.42
2:B:160:ARG:NH1	1:G:330:PRO:HB2	2.34	0.42
14:B:1228:CLA:HMC1	14:B:1236:CLA:HAC1	2.02	0.42
14:G:1124:CLA:H12	14:G:1136:CLA:HBA1	2.02	0.42
14:G:1133:CLA:H112	14:G:1133:CLA:H142	1.80	0.42
9:T:27:ILE:O	9:T:31:ILE:HG13	2.18	0.42
10:U:76:LEU:HD12	10:U:82:GLY:HA3	2.00	0.42
1:a:742:THR:HA	6:f:112:LEU:HD11	2.00	0.42
14:a:1105:CLA:HBA2	21:a:6003:LMT:H51	2.02	0.42
14:a:1125:CLA:H91	14:a:1125:CLA:H111	1.78	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:a:1132:CLA:HED2	10:l:73:PHE:O	2.20	0.42
2:b:12:LEU:HD22	2:b:20:ARG:HA	2.01	0.42
14:l:1503:CLA:H2	14:l:1503:CLA:H62	1.82	0.42
14:A:1112:CLA:H2	14:A:1112:CLA:H61	1.72	0.42
2:B:12:LEU:HD22	2:B:20:ARG:HA	2.01	0.42
4:D:36:GLU:HA	4:D:49:MET:O	2.20	0.42
1:G:752:THR:OG1	19:G:5001:LHG:O5	2.37	0.42
14:G:1013:CLA:H3A	14:G:1013:CLA:CGA	2.48	0.42
14:G:1140:CLA:HBA2	14:G:1140:CLA:H3A	1.69	0.42
2:H:401:LEU:HD22	2:H:419:LEU:HD11	2.02	0.42
14:H:1202:CLA:H11	14:H:1202:CLA:H51	1.79	0.42
14:H:1210:CLA:HBA1	14:H:1210:CLA:H3A	1.73	0.42
1:a:44:THR:HG23	1:a:746:PRO:HA	2.00	0.42
1:a:110:ARG:NH1	1:a:137:GLN:HE22	2.17	0.42
2:b:59:LEU:HD12	18:m:4021:BCR:H341	2.02	0.42
14:b:1201:CLA:H62	14:b:1201:CLA:H41	1.55	0.42
14:b:1231:CLA:HBA1	14:b:1231:CLA:H3A	1.90	0.42
2:B:70:TRP:NE1	7:I:12:ALA:O	2.42	0.42
9:K:22:ALA:HA	14:K:1401:CLA:OBD	2.20	0.42
14:G:1105:CLA:HBA2	21:G:6003:LMT:H51	2.02	0.42
3:N:19:ARG:HG2	4:O:105:GLU:HG2	2.01	0.42
4:O:33:SER:OG	4:O:50:ASN:O	2.38	0.42
1:a:332:MET:HE2	1:a:339:ILE:HD11	2.02	0.42
1:a:716:PHE:HA	16:a:2001:PQN:H9	2.02	0.42
14:a:1130:CLA:H42	10:l:29:ILE:HG23	2.01	0.42
2:b:194:LEU:HA	2:b:198:ALA:HB3	2.02	0.42
14:b:1202:CLA:H193	14:b:1202:CLA:H162	1.84	0.42
14:b:1224:CLA:H161	14:b:1224:CLA:H121	1.74	0.42
14:b:1225:CLA:H3A	14:b:1225:CLA:HBA2	1.74	0.42
14:b:1228:CLA:HMC1	14:b:1236:CLA:HAC1	2.02	0.42
1:A:388:THR:HG21	1:A:547:VAL:HB	2.01	0.42
2:B:179:LEU:HD21	14:B:1216:CLA:C3B	2.50	0.42
2:B:604:TRP:CD1	14:B:1234:CLA:HBC2	2.55	0.42
6:F:64:GLN:C	6:F:66:TYR:N	2.77	0.42
10:L:155:ALA:O	10:L:159:ASN:ND2	2.39	0.42
1:G:562:ASP:O	1:G:566:HIS:ND1	2.34	0.42
2:H:243:LEU:HD13	2:H:264:GLN:HG3	2.02	0.42
14:H:1206:CLA:H3A	14:H:1206:CLA:HBA1	1.61	0.42
10:U:117:THR:O	10:U:130:ARG:NH1	2.29	0.42
1:a:252:TYR:HA	1:a:253:PRO:HD2	1.86	0.42
2:b:309:GLN:NE2	2:b:323:GLY:O	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:401:LEU:HD22	2:b:419:LEU:HD11	2.02	0.42
2:b:470:ILE:HA	2:b:473:VAL:HG22	2.02	0.42
4:d:33:SER:OG	4:d:50:ASN:O	2.38	0.42
14:A:1124:CLA:H12	14:A:1136:CLA:HBA1	2.02	0.42
18:A:4001:BCR:H24C	18:A:4001:BCR:H371	1.90	0.42
10:L:19:ASN:HB3	10:L:22:LEU:HG	2.02	0.42
1:G:323:MET:HE2	1:G:323:MET:HB3	1.82	0.42
1:G:357:ALA:HB1	18:G:4004:BCR:H313	2.01	0.42
2:H:401:LEU:HA	2:H:405:TYR:HB2	2.00	0.42
3:N:26:LEU:HA	3:N:41:ALA:O	2.20	0.42
18:V:4021:BCR:H24C	18:V:4021:BCR:H371	1.80	0.42
14:a:1115:CLA:H93	14:a:1115:CLA:H61	1.77	0.42
14:a:1124:CLA:H12	14:a:1136:CLA:HBA1	2.02	0.42
14:b:1211:CLA:H112	14:b:1211:CLA:H142	1.78	0.42
14:b:1224:CLA:H112	14:b:1224:CLA:H143	1.83	0.42
4:d:36:GLU:HA	4:d:49:MET:O	2.20	0.42
10:l:19:ASN:HB3	10:l:22:LEU:HG	2.02	0.42
1:A:26:ARG:HH12	14:A:1109:CLA:HED3	1.79	0.42
1:A:128:ASP:HB2	1:A:134:ARG:HE	1.85	0.42
1:A:610:ARG:NH2	4:D:62:GLU:OE2	2.38	0.42
1:A:653:ASP:OD2	1:A:657:THR:N	2.53	0.42
14:A:1126:CLA:H3A	14:A:1126:CLA:HBA2	1.76	0.42
2:B:401:LEU:HA	2:B:405:TYR:HB2	2.00	0.42
14:B:1221:CLA:HBA1	14:B:1221:CLA:H11	1.92	0.42
4:D:28:ALA:HB2	4:D:87:ILE:HD11	2.00	0.42
18:I:4020:BCR:H351	18:I:4020:BCR:H15C	1.62	0.42
1:G:110:ARG:NH1	1:G:137:GLN:HE22	2.18	0.42
1:G:456:PHE:HB3	14:G:1132:CLA:HBB2	2.02	0.42
14:G:1103:CLA:H122	14:G:1103:CLA:H162	1.79	0.42
14:G:1111:CLA:H13	18:G:4003:BCR:H353	2.02	0.42
14:G:1132:CLA:HED2	10:U:73:PHE:O	2.20	0.42
14:H:1023:CLA:HED3	18:H:4017:BCR:H401	2.02	0.42
4:O:21:ALA:HB1	4:O:26:ARG:HG3	2.02	0.42
1:a:128:ASP:HB2	1:a:134:ARG:HE	1.85	0.42
2:b:181:GLY:HA2	2:b:185:VAL:HB	2.02	0.42
14:b:1204:CLA:H91	14:b:1204:CLA:H112	1.81	0.42
3:c:19:ARG:HG2	4:d:105:GLU:HG2	2.01	0.42
14:l:1503:CLA:H92	14:l:1503:CLA:H61	1.81	0.42
11:m:20:PHE:CD2	14:m:1501:CLA:HAB	2.54	0.42
1:A:40:GLY:HA2	1:A:41:PRO:HD2	1.64	0.41
2:B:354:LEU:HD12	2:B:354:LEU:HA	1.92	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:1226:CLA:H142	14:B:1226:CLA:H111	1.73	0.41
4:D:33:SER:OG	4:D:50:ASN:O	2.38	0.41
6:F:102:GLY:HA3	6:F:143:TRP:CE2	2.55	0.41
1:G:332:MET:HE2	1:G:339:ILE:HD11	2.02	0.41
14:G:1123:CLA:H92	14:G:1123:CLA:H62	1.88	0.41
9:T:42:ILE:HB	9:T:43:PRO:HD3	0.98	0.41
10:U:70:GLU:HB2	10:U:87:GLY:HA2	2.01	0.41
1:a:323:MET:HE2	1:a:323:MET:HB3	1.82	0.41
1:a:752:THR:OG1	19:a:5001:LHG:O5	2.37	0.41
2:b:419:LEU:HD23	2:b:419:LEU:HA	1.92	0.41
2:b:536:GLY:HA2	2:b:592:TRP:CZ3	2.54	0.41
2:b:592:TRP:CZ2	14:b:1022:CLA:HAB	2.56	0.41
14:b:1023:CLA:HED3	18:b:4017:BCR:H401	2.02	0.41
14:b:1203:CLA:H193	14:b:1203:CLA:H161	1.85	0.41
6:f:64:GLN:C	6:f:66:TYR:N	2.77	0.41
11:m:20:PHE:HD2	14:m:1501:CLA:HAB	1.84	0.41
14:A:1130:CLA:H52	14:L:1502:CLA:H12	2.02	0.41
2:B:470:ILE:HA	2:B:473:VAL:HG22	2.01	0.41
3:C:26:LEU:HA	3:C:41:ALA:O	2.20	0.41
9:K:20:ASN:O	9:K:24:VAL:HG23	2.20	0.41
11:M:13:ALA:HB2	18:M:4021:BCR:H292	2.02	0.41
14:G:1130:CLA:H52	14:U:1502:CLA:H12	2.02	0.41
2:H:101:MET:O	2:H:105:THR:OG1	2.26	0.41
2:H:604:TRP:CD1	14:H:1234:CLA:HBC2	2.55	0.41
2:H:662:PHE:O	2:H:666:VAL:HG23	2.21	0.41
14:H:1022:CLA:HBA1	14:H:1022:CLA:H3A	1.74	0.41
14:H:1204:CLA:H92	14:H:1204:CLA:HMC1	2.02	0.41
18:H:4005:BCR:H351	18:H:4005:BCR:H15C	1.74	0.41
4:O:36:GLU:HA	4:O:49:MET:O	2.20	0.41
7:R:3:ASP:OD1	7:R:3:ASP:N	2.49	0.41
19:U:5101:LHG:H112	19:U:5101:LHG:HC81	1.68	0.41
14:a:1131:CLA:HAB	14:a:1132:CLA:HHB	2.02	0.41
16:a:2001:PQN:H243	16:a:2001:PQN:H261	1.88	0.41
2:b:476:LYS:HE2	2:b:519:PHE:O	2.20	0.41
3:c:26:LEU:HA	3:c:41:ALA:O	2.20	0.41
5:e:3:GLN:NE2	5:e:64:PRO:HG2	2.35	0.41
14:A:1131:CLA:HAB	14:A:1132:CLA:HHB	2.02	0.41
14:A:1132:CLA:HED2	10:L:73:PHE:O	2.20	0.41
16:A:2001:PQN:H162	16:A:2001:PQN:H192	1.79	0.41
2:B:53:HIS:CE1	14:B:1202:CLA:HMA2	2.55	0.41
2:B:473:VAL:HG12	2:B:483:SER:OG	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:L:4019:BCR:H15C	18:L:4019:BCR:H351	1.83	0.41
14:G:1130:CLA:H42	10:U:29:ILE:HG23	2.01	0.41
2:H:276:HIS:HB2	14:H:1214:CLA:C1B	2.51	0.41
14:H:1023:CLA:H202	14:H:1023:CLA:H162	1.89	0.41
14:H:1228:CLA:HMC1	14:H:1236:CLA:HAC1	2.02	0.41
9:T:20:ASN:O	9:T:24:VAL:HG23	2.20	0.41
18:T:4001:BCR:H342	18:T:4001:BCR:HC7	1.86	0.41
12:W:76:TYR:HD1	12:W:98:LEU:HD21	1.67	0.41
1:a:653:ASP:OD2	1:a:657:THR:N	2.53	0.41
2:b:179:LEU:HD21	14:b:1216:CLA:C3B	2.50	0.41
10:l:70:GLU:HB2	10:l:87:GLY:HA2	2.01	0.41
1:A:78:HIS:CE1	14:A:1103:CLA:HMA3	2.55	0.41
2:B:181:GLY:HA2	2:B:185:VAL:HB	2.01	0.41
2:B:401:LEU:HD22	2:B:419:LEU:HD11	2.02	0.41
2:B:476:LYS:HE2	2:B:519:PHE:O	2.20	0.41
14:B:1023:CLA:HED3	18:B:4017:BCR:H401	2.02	0.41
14:B:1204:CLA:H92	14:B:1204:CLA:HMC1	2.02	0.41
14:B:1234:CLA:H161	14:B:1234:CLA:H202	1.84	0.41
3:C:19:ARG:HG2	4:D:105:GLU:HG2	2.01	0.41
4:D:119:ARG:HB3	4:D:120:ARG:H	1.64	0.41
1:G:128:ASP:HB2	1:G:134:ARG:HE	1.85	0.41
1:G:653:ASP:OD2	1:G:657:THR:N	2.53	0.41
14:G:1116:CLA:H3A	14:G:1116:CLA:HBA2	1.58	0.41
2:H:194:LEU:HA	2:H:198:ALA:HB3	2.02	0.41
2:H:476:LYS:HE2	2:H:519:PHE:O	2.20	0.41
14:H:1206:CLA:H151	14:H:1206:CLA:H18	1.75	0.41
18:H:4014:BCR:H351	18:H:4014:BCR:H15C	1.81	0.41
14:a:1130:CLA:H52	14:l:1502:CLA:H12	2.02	0.41
2:b:476:LYS:HZ1	2:b:478:LEU:HD12	1.83	0.41
2:b:692:HIS:NE2	2:b:700:GLY:O	2.40	0.41
14:b:1234:CLA:H93	14:b:1234:CLA:H61	1.77	0.41
7:i:42:ARG:HG2	7:i:42:ARG:HH11	1.86	0.41
1:A:177:PHE:CD2	1:A:177:PHE:C	2.99	0.41
1:A:332:MET:HE2	1:A:339:ILE:HD11	2.02	0.41
1:A:607:GLY:HA2	2:B:572:PRO:HD3	2.02	0.41
2:B:194:LEU:HA	2:B:198:ALA:HB3	2.02	0.41
2:B:276:HIS:HB2	14:B:1214:CLA:C1B	2.50	0.41
2:B:662:PHE:O	2:B:666:VAL:HG23	2.21	0.41
21:I:6001:LMT:H101	21:I:6001:LMT:H71	1.77	0.41
1:G:173:PHE:HD2	14:G:1108:CLA:HBC1	1.76	0.41
14:G:1112:CLA:HAC2	14:G:1113:CLA:HMB2	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:9:SER:O	2:H:13:GLN:HG3	2.21	0.41
2:H:32:GLU:OE1	2:H:32:GLU:N	2.48	0.41
2:H:181:GLY:HA2	2:H:185:VAL:HB	2.01	0.41
2:H:182:LEU:HD13	14:H:1210:CLA:HHB	2.03	0.41
2:H:303:GLU:O	2:H:307:SER:OG	2.28	0.41
14:H:1239:CLA:H92	14:H:1239:CLA:H62	1.76	0.41
14:b:1208:CLA:H92	14:b:1208:CLA:H61	1.83	0.41
6:f:61:THR:H	6:f:62:PRO:HD2	1.47	0.41
9:k:20:ASN:O	9:k:24:VAL:HG23	2.20	0.41
1:A:26:ARG:NH1	14:A:1109:CLA:CED	2.76	0.41
1:A:456:PHE:HB3	14:A:1132:CLA:HBB2	2.02	0.41
2:B:309:GLN:NE2	2:B:323:GLY:O	2.53	0.41
14:B:1206:CLA:H41	14:B:1206:CLA:H61	1.83	0.41
5:E:3:GLN:NE2	5:E:64:PRO:HG2	2.35	0.41
7:I:42:ARG:HG2	7:I:42:ARG:HH11	1.86	0.41
1:G:78:HIS:CE1	14:G:1103:CLA:HMA3	2.55	0.41
1:G:607:GLY:HA2	2:H:572:PRO:HD3	2.02	0.41
1:G:716:PHE:HA	16:G:2001:PQN:H9	2.02	0.41
2:H:59:LEU:HD12	18:V:4021:BCR:H341	2.02	0.41
14:H:1226:CLA:H111	14:H:1226:CLA:H142	1.73	0.41
1:a:206:LEU:HD22	18:a:4002:BCR:H361	2.02	0.41
1:a:771:TRP:CG	18:a:4006:BCR:HC22	2.55	0.41
14:a:1111:CLA:H13	18:a:4003:BCR:H353	2.02	0.41
14:a:1132:CLA:H61	14:a:1132:CLA:H92	1.84	0.41
18:a:4003:BCR:H351	18:a:4003:BCR:H15C	1.66	0.41
2:b:473:VAL:HG12	2:b:483:SER:OG	2.20	0.41
2:b:662:PHE:O	2:b:666:VAL:HG23	2.21	0.41
2:b:690:TRP:NE1	10:l:23:GLY:O	2.49	0.41
3:c:35:ARG:HE	3:c:35:ARG:HB2	1.61	0.41
6:f:102:GLY:HA3	6:f:143:TRP:CE2	2.55	0.41
1:A:206:LEU:HD22	18:A:4002:BCR:H361	2.02	0.41
1:A:252:TYR:HA	1:A:253:PRO:HD2	1.86	0.41
1:A:276:PHE:HD1	14:A:1116:CLA:HMB3	1.85	0.41
15:A:1121:F6C:C1B	19:A:5002:LHG:H102	2.50	0.41
19:A:5002:LHG:H362	2:b:148:VAL:HG21	2.02	0.41
2:B:276:HIS:HB2	14:B:1214:CLA:CHB	2.51	0.41
2:B:352:THR:HB	2:B:386:ALA:HB2	2.03	0.41
14:B:1204:CLA:H112	14:B:1204:CLA:H91	1.81	0.41
14:B:1240:CLA:H61	14:B:1240:CLA:H2	1.94	0.41
18:I:4020:BCR:C20	14:L:1502:CLA:HAB	2.51	0.41
10:L:52:PHE:HB3	10:l:137:GLN:HE22	1.86	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:L:4022:BCR:H24C	18:L:4022:BCR:H371	1.68	0.41
1:G:771:TRP:CG	18:G:4006:BCR:HC22	2.55	0.41
14:H:1216:CLA:H93	14:H:1216:CLA:H61	1.83	0.41
7:R:42:ARG:HH11	7:R:42:ARG:HG2	1.86	0.41
1:a:388:THR:HG21	1:a:547:VAL:HB	2.01	0.41
1:a:777:ARG:O	1:a:781:ILE:HG12	2.21	0.41
4:d:21:ALA:HB1	4:d:26:ARG:HG3	2.02	0.41
10:l:71:VAL:HG22	10:l:84:ASN:HA	2.03	0.41
11:m:13:ALA:HB2	18:m:4021:BCR:H292	2.02	0.41
1:A:725:GLN:HE22	1:A:747:ARG:HA	1.86	0.41
14:A:1120:CLA:HBA2	14:A:1120:CLA:H3A	1.48	0.41
2:B:59:LEU:HD12	18:M:4021:BCR:H341	2.02	0.41
2:B:404:ASP:OD2	4:D:131:LYS:NZ	2.42	0.41
2:B:431:TRP:CD1	14:B:1229:CLA:HED2	2.56	0.41
14:B:1212:CLA:NB	18:B:4004:BCR:HC32	2.36	0.41
14:B:1215:CLA:H3A	14:B:1215:CLA:HBA2	1.65	0.41
1:G:777:ARG:O	1:G:781:ILE:HG12	2.21	0.41
2:H:473:VAL:HG12	2:H:483:SER:OG	2.20	0.41
2:H:692:HIS:NE2	2:H:700:GLY:O	2.40	0.41
14:H:1212:CLA:NB	18:H:4004:BCR:HC32	2.36	0.41
14:H:1222:CLA:H111	14:H:1222:CLA:H91	1.84	0.41
14:H:1226:CLA:H61	14:H:1226:CLA:H41	1.88	0.41
14:H:1227:CLA:HBA1	14:H:1227:CLA:H3A	1.71	0.41
4:O:102:VAL:HB	4:O:103:PHE:H	1.71	0.41
1:a:725:GLN:HE22	1:a:747:ARG:HA	1.86	0.41
14:a:1106:CLA:HBA2	14:a:1106:CLA:H3A	1.45	0.41
15:a:1121:F6C:C1B	19:a:5002:LHG:H102	2.51	0.41
14:a:1126:CLA:H3A	14:a:1126:CLA:HBA2	1.76	0.41
2:b:258:LEU:HD22	2:b:269:TRP:CE2	2.56	0.41
2:b:503:TRP:CH2	14:b:1232:CLA:H2A	2.56	0.41
12:x:78:LEU:HD13	12:x:78:LEU:N	2.36	0.41
1:A:199:HIS:ND1	14:A:1123:CLA:OBD	2.49	0.41
1:A:549:GLY:O	1:A:652:VAL:N	2.52	0.41
1:A:777:ARG:O	1:A:781:ILE:HG12	2.21	0.41
14:A:1111:CLA:H13	18:A:4003:BCR:H353	2.02	0.41
14:A:1136:CLA:H142	14:A:1136:CLA:H112	1.79	0.41
14:B:1208:CLA:H92	14:B:1208:CLA:H61	1.83	0.41
14:B:1210:CLA:H102	14:B:1210:CLA:H62	1.87	0.41
4:D:61:LYS:HG2	4:D:65:LEU:HD12	2.03	0.41
14:L:1503:CLA:H203	14:L:1503:CLA:H161	1.83	0.41
14:L:1503:CLA:H61	14:L:1503:CLA:H92	1.81	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:177:PHE:CD2	1:G:177:PHE:C	2.99	0.41
1:G:440:ARG:HB2	1:G:585:LEU:HD13	2.03	0.41
1:G:725:GLN:NE2	1:G:748:ALA:H	2.19	0.41
14:G:1132:CLA:H62	14:G:1132:CLA:H2	1.83	0.41
2:H:53:HIS:CE1	14:H:1202:CLA:HMA2	2.56	0.41
2:H:130:ARG:NE	2:H:245:ASN:OD1	2.51	0.41
2:H:431:TRP:CD1	14:H:1229:CLA:HED2	2.56	0.41
2:H:503:TRP:CH2	14:H:1232:CLA:H2A	2.56	0.41
2:H:574:ARG:HG3	2:H:574:ARG:HH11	1.86	0.41
2:H:592:TRP:CZ2	14:H:1022:CLA:HAB	2.56	0.41
14:H:1206:CLA:H111	14:H:1206:CLA:H152	1.50	0.41
14:H:1224:CLA:H112	14:H:1224:CLA:H91	1.60	0.41
14:H:1224:CLA:H121	14:H:1224:CLA:H161	1.74	0.41
9:T:22:ALA:HA	14:T:1401:CLA:OBD	2.20	0.41
12:W:97:GLU:H	12:W:97:GLU:HG2	1.70	0.41
20:a:5003:LMG:H351	20:a:5003:LMG:H321	1.90	0.41
2:b:3:THR:HA	7:i:43:GLU:HA	2.03	0.41
2:b:53:HIS:CE1	14:b:1202:CLA:HMA2	2.55	0.41
2:b:604:TRP:CD1	14:b:1234:CLA:HBC2	2.55	0.41
14:b:1215:CLA:HBA2	14:b:1215:CLA:H3A	1.65	0.41
1:A:716:PHE:HA	16:A:2001:PQN:H9	2.02	0.41
9:K:42:ILE:HB	9:K:43:PRO:HD3	0.97	0.41
2:H:337:LEU:HB3	14:H:1202:CLA:HAC1	2.03	0.41
14:U:1503:CLA:H203	14:U:1503:CLA:H161	1.83	0.41
14:U:1503:CLA:H92	14:U:1503:CLA:H61	1.81	0.41
18:U:4019:BCR:H15C	18:U:4019:BCR:H351	1.83	0.41
11:V:13:ALA:HB2	18:V:4021:BCR:H292	2.02	0.41
1:a:177:PHE:CD2	1:a:177:PHE:C	2.99	0.41
1:a:440:ARG:HB2	1:a:585:LEU:HD13	2.03	0.41
1:a:570:ALA:O	1:a:574:HIS:ND1	2.54	0.41
14:b:1212:CLA:NB	18:b:4004:BCR:HC32	2.36	0.41
14:b:1226:CLA:H111	14:b:1226:CLA:H72	1.91	0.41
9:k:42:ILE:CG2	9:k:43:PRO:HD3	2.22	0.41
11:m:24:ARG:HD2	11:m:24:ARG:HA	1.92	0.41
1:A:26:ARG:HD3	14:A:1109:CLA:HAA2	2.03	0.40
1:A:239:HIS:O	1:A:243:LEU:N	2.43	0.40
2:B:3:THR:HA	7:I:43:GLU:HA	2.03	0.40
2:B:9:SER:O	2:B:13:GLN:HG3	2.21	0.40
12:X:78:LEU:N	12:X:78:LEU:HD13	2.36	0.40
1:G:24:PHE:HD1	1:G:24:PHE:HA	1.71	0.40
16:G:2001:PQN:H262	16:G:2001:PQN:H221	1.98	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:1221:CLA:H11	14:H:1221:CLA:HMA1	2.03	0.40
1:a:456:PHE:HB3	14:a:1132:CLA:HBB2	2.02	0.40
18:a:4005:BCR:H15C	18:a:4005:BCR:H351	1.63	0.40
2:b:276:HIS:HB2	14:b:1214:CLA:C1B	2.50	0.40
2:b:443:LEU:HD23	2:b:443:LEU:HA	1.93	0.40
14:b:1216:CLA:H191	18:b:4009:BCR:H332	2.03	0.40
14:b:1227:CLA:HBA1	14:b:1227:CLA:H3A	1.71	0.40
14:b:1231:CLA:H141	14:b:1233:CLA:HBB2	2.04	0.40
14:A:1113:CLA:H2A	14:A:1113:CLA:O2D	2.21	0.40
2:B:574:ARG:HG3	2:B:574:ARG:HH11	1.86	0.40
4:D:21:ALA:HB1	4:D:26:ARG:HG3	2.02	0.40
12:X:26:TYR:HA	12:X:82:ALA:O	2.21	0.40
14:H:1210:CLA:H62	14:H:1210:CLA:H102	1.87	0.40
18:R:4020:BCR:C20	14:U:1502:CLA:HAB	2.51	0.40
1:a:26:ARG:NH1	14:a:1109:CLA:CED	2.76	0.40
14:a:1122:CLA:HBA2	14:a:1122:CLA:H3A	1.57	0.40
2:b:243:LEU:HD13	2:b:264:GLN:HG3	2.02	0.40
5:e:63:ALA:HA	5:e:64:PRO:HD3	1.97	0.40
9:k:23:ILE:HG22	9:k:24:VAL:N	2.37	0.40
1:A:402:TRP:HD1	14:A:1126:CLA:HAB	1.81	0.40
1:A:725:GLN:NE2	1:A:748:ALA:H	2.19	0.40
14:A:1105:CLA:HBA2	21:A:6003:LMT:H51	2.02	0.40
2:B:243:LEU:HD13	2:B:264:GLN:HG3	2.02	0.40
14:B:1216:CLA:H191	18:B:4009:BCR:H332	2.03	0.40
18:B:4004:BCR:H353	21:B:6003:LMT:H101	2.03	0.40
14:G:1104:CLA:HBA1	14:G:1104:CLA:H3A	1.90	0.40
14:G:1117:CLA:H2	14:G:1117:CLA:H62	1.64	0.40
15:G:1121:F6C:C1B	19:G:5002:LHG:H102	2.51	0.40
14:G:1131:CLA:HAB	14:G:1132:CLA:HHB	2.02	0.40
4:O:119:ARG:HB3	4:O:120:ARG:H	1.64	0.40
5:P:3:GLN:NE2	5:P:64:PRO:HG2	2.35	0.40
14:a:1128:CLA:H61	14:a:1128:CLA:H41	1.77	0.40
2:b:9:SER:O	2:b:13:GLN:HG3	2.21	0.40
2:b:337:LEU:HB3	14:b:1202:CLA:HAC1	2.03	0.40
2:b:445:VAL:HG13	14:b:1022:CLA:H61	2.04	0.40
14:b:1204:CLA:H92	14:b:1204:CLA:HMC1	2.02	0.40
12:x:26:TYR:HA	12:x:82:ALA:O	2.21	0.40
1:A:241:PHE:CE1	1:A:251:LEU:HD11	2.56	0.40
14:A:1112:CLA:HBA1	14:A:1112:CLA:H3A	1.97	0.40
2:B:308:LEU:HD22	2:B:316:PHE:CD1	2.57	0.40
1:G:725:GLN:HE22	1:G:747:ARG:HA	1.86	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:1126:CLA:H142	14:G:1126:CLA:H111	1.92	0.40
2:H:3:THR:HA	7:R:43:GLU:HA	2.03	0.40
2:H:276:HIS:HB2	14:H:1214:CLA:CHB	2.51	0.40
14:H:1235:CLA:HBA2	14:H:1236:CLA:OBD	2.22	0.40
14:H:1240:CLA:H61	14:H:1240:CLA:H2	1.94	0.40
12:W:67:LEU:HD22	12:W:67:LEU:HA	1.88	0.40
1:a:607:GLY:HA2	2:b:572:PRO:HD3	2.02	0.40
14:a:1127:CLA:HBC2	18:a:4003:BCR:H381	2.04	0.40
2:b:182:LEU:HD13	14:b:1210:CLA:HHB	2.03	0.40
1:A:771:TRP:CG	18:A:4006:BCR:HC22	2.55	0.40
2:B:445:VAL:HG13	14:B:1022:CLA:H61	2.04	0.40
14:B:1229:CLA:H72	14:B:1229:CLA:H112	1.83	0.40
18:B:4005:BCR:H15C	18:B:4005:BCR:H351	1.74	0.40
10:L:58:ILE:O	10:L:62:HIS:ND1	2.45	0.40
1:G:438:ARG:HD2	4:O:10:PHE:CE1	2.57	0.40
14:G:1013:CLA:O2A	2:H:437:GLY:HA3	2.22	0.40
14:G:1104:CLA:H102	14:G:1126:CLA:HBC1	2.04	0.40
14:G:1122:CLA:H3A	14:G:1122:CLA:HBA2	1.57	0.40
2:H:352:THR:HB	2:H:386:ALA:HB2	2.03	0.40
10:U:71:VAL:HG22	10:U:84:ASN:HA	2.03	0.40
12:W:26:TYR:HA	12:W:82:ALA:O	2.21	0.40
1:a:26:ARG:HD3	14:a:1109:CLA:HAA2	2.03	0.40
1:a:78:HIS:CE1	14:a:1103:CLA:HMA3	2.55	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	745/782 (95%)	708 (95%)	31 (4%)	6 (1%)	16	43
1	G	745/782 (95%)	708 (95%)	31 (4%)	6 (1%)	16	43

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	a	745/782 (95%)	708 (95%)	31 (4%)	6 (1%)	16 43
2	B	740/743 (100%)	703 (95%)	37 (5%)	0	100 100
2	H	740/743 (100%)	702 (95%)	38 (5%)	0	100 100
2	b	740/743 (100%)	702 (95%)	38 (5%)	0	100 100
3	C	78/81 (96%)	74 (95%)	4 (5%)	0	100 100
3	N	78/81 (96%)	74 (95%)	4 (5%)	0	100 100
3	c	78/81 (96%)	74 (95%)	4 (5%)	0	100 100
4	D	141/155 (91%)	119 (84%)	17 (12%)	5 (4%)	3 11
4	O	141/155 (91%)	119 (84%)	17 (12%)	5 (4%)	3 11
4	d	141/155 (91%)	119 (84%)	17 (12%)	5 (4%)	3 11
5	E	62/71 (87%)	60 (97%)	2 (3%)	0	100 100
5	P	62/71 (87%)	60 (97%)	2 (3%)	0	100 100
5	e	62/71 (87%)	60 (97%)	2 (3%)	0	100 100
6	F	120/168 (71%)	106 (88%)	10 (8%)	4 (3%)	3 11
6	Q	120/168 (71%)	106 (88%)	10 (8%)	4 (3%)	3 11
6	f	120/168 (71%)	106 (88%)	10 (8%)	4 (3%)	3 11
7	I	40/70 (57%)	36 (90%)	4 (10%)	0	100 100
7	R	40/70 (57%)	36 (90%)	4 (10%)	0	100 100
7	i	40/70 (57%)	36 (90%)	4 (10%)	0	100 100
8	J	39/46 (85%)	34 (87%)	5 (13%)	0	100 100
8	S	39/46 (85%)	34 (87%)	5 (13%)	0	100 100
8	j	39/46 (85%)	34 (87%)	5 (13%)	0	100 100
9	K	73/84 (87%)	57 (78%)	12 (16%)	4 (6%)	1 4
9	T	73/84 (87%)	57 (78%)	12 (16%)	4 (6%)	1 4
9	k	73/84 (87%)	57 (78%)	12 (16%)	4 (6%)	1 4
10	L	168/174 (97%)	165 (98%)	3 (2%)	0	100 100
10	U	168/174 (97%)	165 (98%)	3 (2%)	0	100 100
10	l	168/174 (97%)	165 (98%)	3 (2%)	0	100 100
11	M	29/31 (94%)	27 (93%)	2 (7%)	0	100 100
11	V	29/31 (94%)	27 (93%)	2 (7%)	0	100 100
11	m	29/31 (94%)	27 (93%)	2 (7%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
12	W	95/99 (96%)	80 (84%)	13 (14%)	2 (2%)	5 20
12	X	95/99 (96%)	80 (84%)	13 (14%)	2 (2%)	5 20
12	x	95/99 (96%)	80 (84%)	13 (14%)	2 (2%)	5 20
All	All	6990/7512 (93%)	6505 (93%)	422 (6%)	63 (1%)	16 40

All (63) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	41	PRO
6	F	62	PRO
9	K	43	PRO
9	K	47	PRO
1	G	41	PRO
6	Q	62	PRO
9	T	43	PRO
9	T	47	PRO
1	a	41	PRO
6	f	62	PRO
9	k	43	PRO
9	k	47	PRO
1	A	16	GLU
1	A	19	PRO
4	D	102	VAL
4	D	104	PRO
1	G	16	GLU
1	G	19	PRO
4	O	102	VAL
4	O	104	PRO
1	a	16	GLU
1	a	19	PRO
4	d	102	VAL
4	d	104	PRO
1	A	40	GLY
4	D	100	ASP
6	F	65	SER
1	G	40	GLY
4	O	100	ASP
6	Q	65	SER
1	a	40	GLY
4	d	100	ASP
6	f	65	SER

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Mol	Chain	Res	Type
6	F	64	GLN
12	X	66	PHE
6	Q	64	GLN
12	W	66	PHE
6	f	64	GLN
12	x	66	PHE
1	A	12	SER
6	F	61	THR
9	K	16	THR
12	X	87	ASP
1	G	12	SER
6	Q	61	THR
9	T	16	THR
12	W	87	ASP
1	a	12	SER
6	f	61	THR
9	k	16	THR
12	x	87	ASP
9	K	49	PRO
9	T	49	PRO
9	k	49	PRO
1	A	260	ARG
4	D	121	ILE
1	G	260	ARG
4	O	121	ILE
1	a	260	ARG
4	d	121	ILE
4	D	122	GLY
4	O	122	GLY
4	d	122	GLY

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	593/626 (95%)	582 (98%)	11 (2%)	50 78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	G	593/626 (95%)	582 (98%)	11 (2%)	50 78
1	a	593/626 (95%)	582 (98%)	11 (2%)	50 78
2	B	598/599 (100%)	594 (99%)	4 (1%)	76 91
2	H	598/599 (100%)	594 (99%)	4 (1%)	76 91
2	b	598/599 (100%)	594 (99%)	4 (1%)	76 91
3	C	67/68 (98%)	67 (100%)	0	100 100
3	N	67/68 (98%)	67 (100%)	0	100 100
3	c	67/68 (98%)	67 (100%)	0	100 100
4	D	115/127 (91%)	109 (95%)	6 (5%)	21 50
4	O	115/127 (91%)	109 (95%)	6 (5%)	21 50
4	d	115/127 (91%)	109 (95%)	6 (5%)	21 50
5	E	56/61 (92%)	56 (100%)	0	100 100
5	P	56/61 (92%)	56 (100%)	0	100 100
5	e	56/61 (92%)	56 (100%)	0	100 100
6	F	63/140 (45%)	59 (94%)	4 (6%)	16 43
6	Q	63/140 (45%)	59 (94%)	4 (6%)	16 43
6	f	63/140 (45%)	59 (94%)	4 (6%)	16 43
7	I	33/54 (61%)	32 (97%)	1 (3%)	36 68
7	R	33/54 (61%)	32 (97%)	1 (3%)	36 68
7	i	33/54 (61%)	32 (97%)	1 (3%)	36 68
8	J	29/40 (72%)	27 (93%)	2 (7%)	14 39
8	S	29/40 (72%)	27 (93%)	2 (7%)	14 39
8	j	29/40 (72%)	27 (93%)	2 (7%)	14 39
9	K	53/59 (90%)	46 (87%)	7 (13%)	4 12
9	T	53/59 (90%)	46 (87%)	7 (13%)	4 12
9	k	53/59 (90%)	46 (87%)	7 (13%)	4 12
10	L	135/137 (98%)	134 (99%)	1 (1%)	76 91
10	U	135/137 (98%)	134 (99%)	1 (1%)	76 91
10	l	135/137 (98%)	134 (99%)	1 (1%)	76 91
11	M	23/24 (96%)	23 (100%)	0	100 100
11	V	23/24 (96%)	23 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	m	23/24 (96%)	23 (100%)	0	100 100
12	W	52/85 (61%)	40 (77%)	12 (23%)	1 2
12	X	52/85 (61%)	40 (77%)	12 (23%)	1 2
12	x	52/85 (61%)	40 (77%)	12 (23%)	1 2
All	All	5451/6060 (90%)	5307 (97%)	144 (3%)	41 72

All (144) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	24	PHE
1	A	29	LYS
1	A	36	THR
1	A	37	LEU
1	A	59	SER
1	A	103	MET
1	A	134	ARG
1	A	172	ILE
1	A	187	GLU
1	A	254	SER
1	A	328	ARG
2	B	41	SER
2	B	205	GLN
2	B	220	GLU
2	B	239	THR
4	D	4	THR
4	D	24	GLU
4	D	26	ARG
4	D	65	LEU
4	D	92	GLU
4	D	103	PHE
6	F	62	PRO
6	F	63	TYR
6	F	141	LEU
6	F	144	PRO
7	I	42	ARG
8	J	30	ASN
8	J	31	HIS
9	K	16	THR
9	K	20	ASN
9	K	21	VAL
9	K	23	ILE

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Mol	Chain	Res	Type
9	K	27	ILE
9	K	29	ASN
9	K	42	ILE
10	L	115	ARG
12	X	8	LEU
12	X	16	ASN
12	X	28	LEU
12	X	37	ASP
12	X	56	GLU
12	X	59	VAL
12	X	67	LEU
12	X	77	VAL
12	X	78	LEU
12	X	93	HIS
12	X	97	GLU
12	X	98	LEU
1	G	24	PHE
1	G	29	LYS
1	G	36	THR
1	G	37	LEU
1	G	59	SER
1	G	103	MET
1	G	134	ARG
1	G	172	ILE
1	G	187	GLU
1	G	254	SER
1	G	328	ARG
2	H	41	SER
2	H	205	GLN
2	H	220	GLU
2	H	239	THR
4	O	4	THR
4	O	24	GLU
4	O	26	ARG
4	O	65	LEU
4	O	92	GLU
4	O	103	PHE
6	Q	62	PRO
6	Q	63	TYR
6	Q	141	LEU
6	Q	144	PRO
7	R	42	ARG

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Mol	Chain	Res	Type
8	S	30	ASN
8	S	31	HIS
9	T	16	THR
9	T	20	ASN
9	T	21	VAL
9	T	23	ILE
9	T	27	ILE
9	T	29	ASN
9	T	42	ILE
10	U	115	ARG
12	W	8	LEU
12	W	16	ASN
12	W	28	LEU
12	W	37	ASP
12	W	56	GLU
12	W	59	VAL
12	W	67	LEU
12	W	77	VAL
12	W	78	LEU
12	W	93	HIS
12	W	97	GLU
12	W	98	LEU
1	a	24	PHE
1	a	29	LYS
1	a	36	THR
1	a	37	LEU
1	a	59	SER
1	a	103	MET
1	a	134	ARG
1	a	172	ILE
1	a	187	GLU
1	a	254	SER
1	a	328	ARG
2	b	41	SER
2	b	205	GLN
2	b	220	GLU
2	b	239	THR
4	d	4	THR
4	d	24	GLU
4	d	26	ARG
4	d	65	LEU
4	d	92	GLU

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Mol	Chain	Res	Type
4	d	103	PHE
6	f	62	PRO
6	f	63	TYR
6	f	141	LEU
6	f	144	PRO
7	i	42	ARG
8	j	30	ASN
8	j	31	HIS
9	k	16	THR
9	k	20	ASN
9	k	21	VAL
9	k	23	ILE
9	k	27	ILE
9	k	29	ASN
9	k	42	ILE
10	l	115	ARG
12	x	8	LEU
12	x	16	ASN
12	x	28	LEU
12	x	37	ASP
12	x	56	GLU
12	x	59	VAL
12	x	67	LEU
12	x	77	VAL
12	x	78	LEU
12	x	93	HIS
12	x	97	GLU
12	x	98	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (123) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	65	GLN
1	A	78	HIS
1	A	92	HIS
1	A	108	HIS
1	A	137	GLN
1	A	156	GLN
1	A	180	HIS
1	A	223	ASN
1	A	296	HIS
1	A	329	HIS

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Mol	Chain	Res	Type
1	A	400	HIS
1	A	631	ASN
1	A	645	GLN
1	A	725	GLN
1	A	745	GLN
1	A	753	GLN
2	B	83	ASN
2	B	196	HIS
2	B	205	GLN
2	B	211	ASN
2	B	236	ASN
2	B	248	GLN
2	B	262	HIS
2	B	276	HIS
2	B	321	ASN
2	B	326	HIS
2	B	340	GLN
2	B	471	GLN
2	B	530	HIS
3	C	16	GLN
4	D	54	ASN
4	D	124	ASN
8	J	30	ASN
9	K	13	ASN
9	K	68	HIS
10	L	14	GLN
10	L	84	ASN
10	L	137	GLN
12	X	93	HIS
12	X	94	GLN
1	G	60	HIS
1	G	65	GLN
1	G	78	HIS
1	G	92	HIS
1	G	108	HIS
1	G	137	GLN
1	G	156	GLN
1	G	180	HIS
1	G	223	ASN
1	G	257	GLN
1	G	296	HIS
1	G	329	HIS

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Mol	Chain	Res	Type
1	G	400	HIS
1	G	645	GLN
1	G	668	GLN
1	G	725	GLN
1	G	745	GLN
1	G	753	GLN
2	H	196	HIS
2	H	205	GLN
2	H	211	ASN
2	H	236	ASN
2	H	248	GLN
2	H	262	HIS
2	H	276	HIS
2	H	321	ASN
2	H	326	HIS
2	H	340	GLN
2	H	471	GLN
2	H	530	HIS
3	N	16	GLN
4	O	54	ASN
4	O	124	ASN
8	S	30	ASN
9	T	13	ASN
9	T	68	HIS
10	U	14	GLN
10	U	84	ASN
10	U	137	GLN
12	W	93	HIS
12	W	94	GLN
1	a	60	HIS
1	a	65	GLN
1	a	78	HIS
1	a	92	HIS
1	a	108	HIS
1	a	137	GLN
1	a	156	GLN
1	a	180	HIS
1	a	223	ASN
1	a	257	GLN
1	a	296	HIS
1	a	329	HIS
1	a	400	HIS

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Mol	Chain	Res	Type
1	a	631	ASN
1	a	645	GLN
1	a	725	GLN
1	a	745	GLN
1	a	753	GLN
2	b	196	HIS
2	b	205	GLN
2	b	211	ASN
2	b	236	ASN
2	b	248	GLN
2	b	262	HIS
2	b	276	HIS
2	b	321	ASN
2	b	326	HIS
2	b	340	GLN
2	b	471	GLN
2	b	530	HIS
3	c	16	GLN
4	d	54	ASN
4	d	124	ASN
8	j	30	ASN
9	k	13	ASN
9	k	68	HIS
10	l	14	GLN
10	l	84	ASN
10	l	137	GLN
12	x	61	GLN
12	x	93	HIS
12	x	94	GLN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 417 ligands modelled in this entry, 6 are monoatomic - leaving 411 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
20	LMG	i	5006	-	37,37,55	1.15	3 (8%)	45,45,63	1.22	5 (11%)
14	CLA	B	1214	2	64,68,73	2.35	21 (32%)	76,107,113	2.52	30 (39%)
14	CLA	A	1138	1	59,63,73	2.37	22 (37%)	70,101,113	2.75	28 (40%)
14	CLA	B	1209	2	49,53,73	2.53	22 (44%)	58,89,113	2.67	22 (37%)
14	CLA	A	1120	1	49,53,73	2.48	20 (40%)	58,89,113	2.90	20 (34%)
14	CLA	a	1103	1	69,73,73	2.20	21 (30%)	82,113,113	2.56	29 (35%)
14	CLA	b	1214	2	64,68,73	2.35	21 (32%)	76,107,113	2.52	30 (39%)
14	CLA	G	1133	1	64,68,73	2.30	20 (31%)	76,107,113	2.59	21 (27%)
21	LMT	i	6001	-	36,36,36	1.16	6 (16%)	47,47,47	1.04	2 (4%)
18	BCR	B	4014	-	41,41,41	2.62	7 (17%)	56,56,56	6.79	21 (37%)
18	BCR	b	4006	-	41,41,41	2.63	6 (14%)	56,56,56	6.74	18 (32%)
14	CLA	a	1107	1	49,53,73	2.52	19 (38%)	58,89,113	2.77	22 (37%)
14	CLA	G	1123	-	64,68,73	2.31	20 (31%)	76,107,113	2.61	27 (35%)
14	CLA	a	1116	1	59,63,73	2.42	22 (37%)	70,101,113	2.63	25 (35%)
14	CLA	a	1105	1	49,53,73	2.55	21 (42%)	58,89,113	2.79	22 (37%)
18	BCR	V	4021	-	41,41,41	2.70	6 (14%)	56,56,56	6.78	19 (33%)
14	CLA	H	1218	2	49,53,73	2.51	20 (40%)	58,89,113	2.87	23 (39%)
14	CLA	b	1204	2	69,73,73	2.21	21 (30%)	82,113,113	2.50	25 (30%)
14	CLA	G	1106	1	64,68,73	2.29	20 (31%)	76,107,113	2.65	28 (36%)
18	BCR	U	4019	-	41,41,41	2.84	6 (14%)	56,56,56	6.66	26 (46%)
14	CLA	A	1137	1	54,58,73	2.49	20 (37%)	64,95,113	2.82	24 (37%)
14	CLA	A	1104	1	69,73,73	2.14	20 (28%)	82,113,113	2.63	27 (32%)
14	CLA	B	1222	25	69,73,73	2.20	21 (30%)	82,113,113	2.53	28 (34%)
15	F6C	b	1219	-	62,64,74	2.91	29 (46%)	71,102,114	3.40	32 (45%)
14	CLA	B	1205	2	69,73,73	2.18	20 (28%)	82,113,113	2.55	28 (34%)
14	CLA	b	1231	-	69,73,73	2.20	22 (31%)	82,113,113	2.47	24 (29%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	1119	-	69,73,73	2.22	19 (27%)	82,113,113	2.33	24 (29%)
18	BCR	i	4018	-	41,41,41	2.73	7 (17%)	56,56,56	6.75	16 (28%)
14	CLA	G	1129	1	54,58,73	2.49	19 (35%)	64,95,113	2.89	28 (43%)
14	CLA	a	1101	-	49,53,73	2.54	22 (44%)	58,89,113	2.82	24 (41%)
14	CLA	b	1236	2	59,63,73	2.34	21 (35%)	70,101,113	2.80	27 (38%)
18	BCR	G	4003	-	41,41,41	2.74	6 (14%)	56,56,56	7.01	22 (39%)
14	CLA	B	1212	-	49,53,73	2.51	21 (42%)	58,89,113	2.86	23 (39%)
14	CLA	m	1501	-	54,58,73	2.51	20 (37%)	64,95,113	2.73	27 (42%)
16	PQN	G	2001	-	34,34,34	1.53	2 (5%)	43,45,45	1.20	3 (6%)
18	BCR	A	4005	-	41,41,41	2.78	6 (14%)	56,56,56	6.67	22 (39%)
14	CLA	G	1140	1	59,63,73	2.41	21 (35%)	70,101,113	2.56	24 (34%)
17	SF4	c	3003	3	0,12,12	-	-	-		
18	BCR	B	4004	-	41,41,41	2.64	6 (14%)	56,56,56	6.68	19 (33%)
21	LMT	U	6101	-	36,36,36	1.15	5 (13%)	47,47,47	1.34	4 (8%)
21	LMT	M	6000	-	36,36,36	1.16	6 (16%)	47,47,47	0.98	1 (2%)
14	CLA	A	1135	-	54,58,73	2.52	21 (38%)	64,95,113	2.78	27 (42%)
14	CLA	A	1110	1	49,53,73	2.54	20 (40%)	58,89,113	2.73	21 (36%)
14	CLA	H	1220	2	69,73,73	2.21	21 (30%)	82,113,113	2.46	23 (28%)
14	CLA	b	1220	2	69,73,73	2.21	21 (30%)	82,113,113	2.46	23 (28%)
14	CLA	b	1221	-	69,73,73	2.22	21 (30%)	82,113,113	2.47	26 (31%)
14	CLA	A	1136	1	69,73,73	2.20	22 (31%)	82,113,113	2.51	26 (31%)
21	LMT	B	6002	-	36,36,36	1.18	6 (16%)	47,47,47	1.03	1 (2%)
14	CLA	b	1239	2	69,73,73	2.22	21 (30%)	82,113,113	2.50	30 (36%)
19	LHG	G	5002	-	43,43,48	1.00	2 (4%)	46,48,54	1.15	3 (6%)
14	CLA	G	1128	1	64,68,73	2.33	19 (29%)	76,107,113	2.49	26 (34%)
21	LMT	B	6003	-	36,36,36	1.15	3 (8%)	47,47,47	1.62	8 (17%)
14	CLA	H	1233	-	49,53,73	2.55	22 (44%)	58,89,113	2.76	24 (41%)
14	CLA	A	1123	-	64,68,73	2.31	20 (31%)	76,107,113	2.61	27 (35%)
18	BCR	R	4018	-	41,41,41	2.73	7 (17%)	56,56,56	6.75	16 (28%)
18	BCR	L	4022	-	41,41,41	2.78	6 (14%)	56,56,56	6.56	21 (37%)
18	BCR	a	4005	-	41,41,41	2.78	6 (14%)	56,56,56	6.68	22 (39%)
18	BCR	B	4006	-	41,41,41	2.63	6 (14%)	56,56,56	6.74	18 (32%)
14	CLA	A	1012	25	69,73,73	2.21	19 (27%)	82,113,113	2.44	28 (34%)
14	CLA	B	1213	2	49,53,73	2.53	22 (44%)	58,89,113	2.81	23 (39%)
14	CLA	B	1021	2	69,73,73	2.20	21 (30%)	82,113,113	2.38	27 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
18	BCR	G	4001	-	41,41,41	2.67	6 (14%)	56,56,56	6.73	16 (28%)
14	CLA	H	1021	2	69,73,73	2.20	21 (30%)	82,113,113	2.38	27 (32%)
14	CLA	a	1102	1	54,58,73	2.55	25 (46%)	64,95,113	2.78	27 (42%)
21	LMT	I	6001	-	36,36,36	1.15	5 (13%)	47,47,47	1.04	2 (4%)
17	SF4	a	3001	2,1	0,12,12	-	-	-		
21	LMT	L	6001	-	13,13,36	0.51	0	12,12,47	0.91	0
14	CLA	B	1220	2	69,73,73	2.21	21 (30%)	82,113,113	2.46	23 (28%)
18	BCR	A	4002	-	41,41,41	2.64	6 (14%)	56,56,56	6.68	25 (44%)
14	CLA	B	1236	2	59,63,73	2.34	21 (35%)	70,101,113	2.80	27 (38%)
14	CLA	B	1239	2	69,73,73	2.22	20 (28%)	82,113,113	2.49	29 (35%)
14	CLA	b	1232	-	49,53,73	2.54	22 (44%)	58,89,113	2.75	23 (39%)
15	F6C	B	1219	-	62,64,74	2.92	30 (48%)	71,102,114	3.40	32 (45%)
24	FES	W	101	12	0,4,4	-	-	-		
14	CLA	G	1101	-	49,53,73	2.54	22 (44%)	58,89,113	2.81	24 (41%)
14	CLA	l	1502	10	64,68,73	2.28	20 (31%)	76,107,113	2.54	22 (28%)
14	CLA	A	1103	1	69,73,73	2.20	21 (30%)	82,113,113	2.56	29 (35%)
14	CLA	A	1124	25	59,63,73	2.38	21 (35%)	70,101,113	2.70	24 (34%)
14	CLA	A	1130	1	59,63,73	2.42	20 (33%)	70,101,113	2.50	25 (35%)
19	LHG	a	5002	-	43,43,48	1.01	2 (4%)	46,48,54	1.15	3 (6%)
14	CLA	H	1224	-	69,73,73	2.22	20 (28%)	82,113,113	2.54	27 (32%)
14	CLA	A	1112	1	59,63,73	2.42	22 (37%)	70,101,113	2.67	26 (37%)
14	CLA	H	1023	-	69,73,73	2.24	21 (30%)	82,113,113	2.73	31 (37%)
14	CLA	G	1109	-	69,73,73	2.24	23 (33%)	82,113,113	2.53	25 (30%)
19	LHG	L	5102	-	48,48,48	0.90	2 (4%)	51,54,54	1.05	3 (5%)
14	CLA	G	1115	1	69,73,73	2.24	20 (28%)	82,113,113	2.53	29 (35%)
14	CLA	b	1215	2	64,68,73	2.27	21 (32%)	76,107,113	2.50	24 (31%)
14	CLA	b	1209	2	49,53,73	2.53	22 (44%)	58,89,113	2.67	22 (37%)
14	CLA	b	1234	-	69,73,73	2.23	22 (31%)	82,113,113	2.42	26 (31%)
14	CLA	H	1239	2	69,73,73	2.22	21 (30%)	82,113,113	2.49	30 (36%)
14	CLA	G	1012	25	69,73,73	2.20	19 (27%)	82,113,113	2.44	28 (34%)
14	CLA	A	1132	-	69,73,73	2.19	21 (30%)	82,113,113	2.57	27 (32%)
14	CLA	B	1232	-	49,53,73	2.54	22 (44%)	58,89,113	2.75	23 (39%)
20	LMG	G	5003	-	46,46,55	1.37	5 (10%)	54,54,63	1.26	4 (7%)
21	LMT	B	6001	-	36,36,36	1.16	5 (13%)	47,47,47	0.97	2 (4%)
21	LMT	b	6001	-	36,36,36	1.16	5 (13%)	47,47,47	0.97	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	a	1122	1	59,63,73	2.34	21 (35%)	70,101,113	2.61	26 (37%)
14	CLA	G	1114	-	49,53,73	2.54	22 (44%)	58,89,113	2.72	20 (34%)
21	LMT	l	6001	-	13,13,36	0.50	0	12,12,47	0.92	0
14	CLA	V	1501	-	54,58,73	2.51	20 (37%)	64,95,113	2.74	27 (42%)
15	F6C	b	1207	2	72,74,74	2.71	26 (36%)	83,114,114	3.16	35 (42%)
18	BCR	K	4001	-	41,41,41	2.69	6 (14%)	56,56,56	6.61	22 (39%)
14	CLA	A	1141	-	49,53,73	2.52	23 (46%)	58,89,113	2.84	23 (39%)
14	CLA	b	1226	2	69,73,73	2.26	19 (27%)	82,113,113	2.44	26 (31%)
14	CLA	H	1217	2	49,53,73	2.50	20 (40%)	58,89,113	2.81	22 (37%)
14	CLA	B	1211	2	69,73,73	2.24	23 (33%)	82,113,113	2.43	28 (34%)
21	LMT	H	6002	-	36,36,36	1.18	6 (16%)	47,47,47	1.03	1 (2%)
14	CLA	B	1224	-	69,73,73	2.22	20 (28%)	82,113,113	2.54	26 (31%)
14	CLA	G	1138	1	59,63,73	2.37	22 (37%)	70,101,113	2.75	28 (40%)
14	CLA	H	1235	-	64,68,73	2.29	21 (32%)	76,107,113	2.61	28 (36%)
14	CLA	b	1023	-	69,73,73	2.24	21 (30%)	82,113,113	2.73	31 (37%)
14	CLA	A	1128	1	64,68,73	2.33	19 (29%)	76,107,113	2.48	26 (34%)
18	BCR	H	4006	-	41,41,41	2.63	6 (14%)	56,56,56	6.74	18 (32%)
14	CLA	a	1140	1	59,63,73	2.41	21 (35%)	70,101,113	2.56	24 (34%)
14	CLA	H	1202	2	69,73,73	2.21	21 (30%)	82,113,113	2.53	26 (31%)
20	LMG	a	5003	-	46,46,55	1.37	5 (10%)	54,54,63	1.27	4 (7%)
14	CLA	b	1218	2	49,53,73	2.52	20 (40%)	58,89,113	2.88	23 (39%)
14	CLA	B	1235	-	64,68,73	2.29	21 (32%)	76,107,113	2.62	28 (36%)
17	SF4	G	3001	2,1	0,12,12	-	-	-		
14	CLA	H	1228	2	59,63,73	2.42	22 (37%)	70,101,113	2.52	29 (41%)
14	CLA	B	1208	2	64,68,73	2.32	21 (32%)	76,107,113	2.64	28 (36%)
14	CLA	B	1227	2	49,53,73	2.50	20 (40%)	58,89,113	2.82	21 (36%)
16	PQN	b	2002	-	34,34,34	1.59	2 (5%)	43,45,45	1.12	2 (4%)
14	CLA	G	1137	1	54,58,73	2.49	20 (37%)	64,95,113	2.82	24 (37%)
14	CLA	L	1502	10	64,68,73	2.28	20 (31%)	76,107,113	2.54	22 (28%)
21	LMT	A	6004	-	24,24,36	1.05	3 (12%)	29,29,47	1.08	1 (3%)
19	LHG	L	5101	-	24,24,48	1.28	2 (8%)	26,26,54	1.50	4 (15%)
15	F6C	H	1207	2	72,74,74	2.70	26 (36%)	83,114,114	3.16	36 (43%)
18	BCR	b	4005	-	41,41,41	2.64	6 (14%)	56,56,56	6.68	20 (35%)
19	LHG	a	5001	-	41,41,48	1.06	2 (4%)	44,47,54	0.99	2 (4%)
18	BCR	a	4003	-	41,41,41	2.74	6 (14%)	56,56,56	7.01	24 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	1222	25	69,73,73	2.20	21 (30%)	82,113,113	2.54	28 (34%)
14	CLA	H	1215	2	64,68,73	2.26	21 (32%)	76,107,113	2.50	24 (31%)
14	CLA	A	1111	-	64,68,73	2.29	21 (32%)	76,107,113	4.43	30 (39%)
14	CLA	A	1131	1	64,68,73	2.30	21 (32%)	76,107,113	2.57	24 (31%)
14	CLA	H	1022	-	59,63,73	2.37	19 (32%)	70,101,113	2.60	27 (38%)
14	CLA	b	1217	2	49,53,73	2.50	20 (40%)	58,89,113	2.81	23 (39%)
14	CLA	B	1201	2	69,73,73	2.19	23 (33%)	82,113,113	2.61	28 (34%)
14	CLA	b	1021	2	69,73,73	2.20	21 (30%)	82,113,113	2.38	27 (32%)
16	PQN	a	2001	-	34,34,34	1.53	2 (5%)	43,45,45	1.20	3 (6%)
14	CLA	B	1228	2	59,63,73	2.43	22 (37%)	70,101,113	2.52	29 (41%)
14	CLA	k	1401	9	49,53,73	2.57	21 (42%)	58,89,113	2.86	25 (43%)
17	SF4	N	3003	3	0,12,12	-	-	-		
14	CLA	B	1234	-	69,73,73	2.23	22 (31%)	82,113,113	2.43	26 (31%)
13	CL0	A	1011	-	69,73,73	2.25	21 (30%)	82,113,113	2.40	27 (32%)
14	CLA	A	1133	1	64,68,73	2.30	21 (32%)	76,107,113	2.58	21 (27%)
14	CLA	b	1224	-	69,73,73	2.21	20 (28%)	82,113,113	2.53	26 (31%)
21	LMT	a	6002	-	29,29,36	1.42	6 (20%)	40,40,47	1.26	4 (10%)
14	CLA	H	1234	-	69,73,73	2.23	22 (31%)	82,113,113	2.42	26 (31%)
21	LMT	A	6001	-	32,32,36	1.27	5 (15%)	43,43,47	1.11	5 (11%)
14	CLA	H	1201	2	69,73,73	2.20	23 (33%)	82,113,113	2.61	28 (34%)
19	LHG	U	5102	-	48,48,48	0.90	2 (4%)	51,54,54	1.05	3 (5%)
14	CLA	H	1203	2	69,73,73	2.17	20 (28%)	82,113,113	2.55	25 (30%)
14	CLA	B	1231	-	69,73,73	2.20	22 (31%)	82,113,113	2.47	24 (29%)
14	CLA	G	1104	1	69,73,73	2.14	20 (28%)	82,113,113	2.63	27 (32%)
18	BCR	B	4017	-	41,41,41	2.81	6 (14%)	56,56,56	6.88	19 (33%)
14	CLA	a	1109	-	69,73,73	2.24	23 (33%)	82,113,113	2.54	25 (30%)
14	CLA	b	1202	2	69,73,73	2.21	21 (30%)	82,113,113	2.52	26 (31%)
18	BCR	b	4009	-	41,41,41	2.72	6 (14%)	56,56,56	6.67	25 (44%)
14	CLA	H	1213	2	49,53,73	2.53	22 (44%)	58,89,113	2.81	23 (39%)
14	CLA	b	1228	2	59,63,73	2.43	22 (37%)	70,101,113	2.53	29 (41%)
18	BCR	L	4019	-	41,41,41	2.84	6 (14%)	56,56,56	6.67	26 (46%)
18	BCR	B	4005	-	41,41,41	2.63	6 (14%)	56,56,56	6.68	20 (35%)
14	CLA	G	1120	1	49,53,73	2.48	20 (40%)	58,89,113	2.90	20 (34%)
15	F6C	B	1207	2	72,74,74	2.71	26 (36%)	83,114,114	3.15	36 (43%)
14	CLA	A	1129	1	54,58,73	2.49	19 (35%)	64,95,113	2.90	28 (43%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	1206	-	69,73,73	2.23	20 (28%)	82,113,113	2.42	26 (31%)
14	CLA	b	1022	-	59,63,73	2.37	19 (32%)	70,101,113	2.60	27 (38%)
19	LHG	A	5002	-	43,43,48	1.01	2 (4%)	46,48,54	1.15	3 (6%)
14	CLA	B	1202	2	69,73,73	2.21	21 (30%)	82,113,113	2.53	26 (31%)
14	CLA	b	1233	-	49,53,73	2.55	22 (44%)	58,89,113	2.76	25 (43%)
15	F6C	b	1238	25	72,74,74	2.71	25 (34%)	83,114,114	3.12	32 (38%)
19	LHG	G	5001	-	41,41,48	1.05	2 (4%)	44,47,54	0.99	2 (4%)
14	CLA	B	1218	2	49,53,73	2.51	20 (40%)	58,89,113	2.87	23 (39%)
18	BCR	U	4022	-	41,41,41	2.77	6 (14%)	56,56,56	6.55	21 (37%)
16	PQN	A	2001	-	34,34,34	1.53	2 (5%)	43,45,45	1.20	3 (6%)
14	CLA	b	1216	-	69,73,73	2.23	21 (30%)	82,113,113	2.31	22 (26%)
14	CLA	b	1203	2	69,73,73	2.17	20 (28%)	82,113,113	2.55	25 (30%)
18	BCR	A	4001	-	41,41,41	2.67	6 (14%)	56,56,56	6.73	16 (28%)
14	CLA	B	1226	2	69,73,73	2.26	19 (27%)	82,113,113	2.44	26 (31%)
14	CLA	G	1122	1	59,63,73	2.35	21 (35%)	70,101,113	2.61	27 (38%)
18	BCR	B	4009	-	41,41,41	2.72	6 (14%)	56,56,56	6.67	24 (42%)
14	CLA	A	1134	1	49,53,73	2.52	21 (42%)	58,89,113	2.75	23 (39%)
15	F6C	H	1230	-	52,54,74	3.11	27 (51%)	59,90,114	3.62	30 (50%)
13	CL0	G	1011	-	69,73,73	2.25	21 (30%)	82,113,113	2.40	27 (32%)
14	CLA	B	1215	2	64,68,73	2.26	21 (32%)	76,107,113	2.50	24 (31%)
14	CLA	a	1104	1	69,73,73	2.14	20 (28%)	82,113,113	2.63	27 (32%)
14	CLA	A	1106	1	64,68,73	2.29	20 (31%)	76,107,113	2.64	28 (36%)
14	CLA	U	1501	10	69,73,73	2.19	20 (28%)	82,113,113	2.49	26 (31%)
14	CLA	G	1127	-	69,73,73	2.20	20 (28%)	82,113,113	2.39	24 (29%)
14	CLA	G	1112	1	59,63,73	2.42	22 (37%)	70,101,113	2.67	26 (37%)
19	LHG	U	5101	-	24,24,48	1.27	2 (8%)	26,26,54	1.50	4 (15%)
14	CLA	A	1117	1	69,73,73	2.14	22 (31%)	82,113,113	2.49	32 (39%)
20	LMG	R	5006	-	37,37,55	1.15	3 (8%)	45,45,63	1.22	5 (11%)
14	CLA	A	1119	-	69,73,73	2.22	19 (27%)	82,113,113	2.33	24 (29%)
14	CLA	a	1132	-	69,73,73	2.20	21 (30%)	82,113,113	2.58	27 (32%)
14	CLA	b	1206	-	69,73,73	2.22	20 (28%)	82,113,113	2.42	26 (31%)
14	CLA	H	1208	2	64,68,73	2.32	21 (32%)	76,107,113	2.64	28 (36%)
14	CLA	H	1216	-	69,73,73	2.23	21 (30%)	82,113,113	2.30	22 (26%)
21	LMT	G	6003	-	33,33,36	1.19	4 (12%)	44,44,47	0.96	1 (2%)
18	BCR	k	4001	-	41,41,41	2.69	6 (14%)	56,56,56	6.61	22 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
18	BCR	A	4004	-	41,41,41	2.80	6 (14%)	56,56,56	6.83	23 (41%)
14	CLA	B	1216	-	69,73,73	2.23	22 (31%)	82,113,113	2.30	22 (26%)
14	CLA	G	1126	-	64,68,73	2.33	21 (32%)	76,107,113	2.53	24 (31%)
18	BCR	G	4002	-	41,41,41	2.64	6 (14%)	56,56,56	6.67	25 (44%)
21	LMT	b	6003	-	36,36,36	1.15	3 (8%)	47,47,47	1.62	7 (14%)
18	BCR	T	4001	-	41,41,41	2.69	6 (14%)	56,56,56	6.61	22 (39%)
18	BCR	b	4004	-	41,41,41	2.64	6 (14%)	56,56,56	6.67	19 (33%)
14	CLA	a	1137	1	54,58,73	2.49	20 (37%)	64,95,113	2.82	24 (37%)
14	CLA	a	1123	-	64,68,73	2.31	20 (31%)	76,107,113	2.62	27 (35%)
14	CLA	G	1141	-	49,53,73	2.52	23 (46%)	58,89,113	2.83	23 (39%)
14	CLA	a	1141	-	49,53,73	2.52	23 (46%)	58,89,113	2.83	23 (39%)
15	F6C	b	1230	-	52,54,74	3.11	27 (51%)	59,90,114	3.62	30 (50%)
18	BCR	I	4020	-	41,41,41	2.90	7 (17%)	56,56,56	6.94	22 (39%)
14	CLA	B	1225	-	69,73,73	2.24	19 (27%)	82,113,113	2.33	21 (25%)
14	CLA	A	1108	1	49,53,73	2.57	21 (42%)	58,89,113	2.73	25 (43%)
14	CLA	a	1136	1	69,73,73	2.20	22 (31%)	82,113,113	2.50	26 (31%)
14	CLA	a	1120	1	49,53,73	2.48	20 (40%)	58,89,113	2.90	20 (34%)
18	BCR	m	4021	-	41,41,41	2.70	6 (14%)	56,56,56	6.79	19 (33%)
21	LMT	H	6001	-	36,36,36	1.16	4 (11%)	47,47,47	0.97	2 (4%)
20	LMG	b	5002	-	46,46,55	1.37	6 (13%)	54,54,63	1.25	6 (11%)
14	CLA	b	1208	2	64,68,73	2.32	21 (32%)	76,107,113	2.63	28 (36%)
14	CLA	a	1135	-	54,58,73	2.52	21 (38%)	64,95,113	2.77	27 (42%)
14	CLA	B	1221	-	69,73,73	2.22	21 (30%)	82,113,113	2.47	26 (31%)
21	LMT	V	6000	-	36,36,36	1.17	6 (16%)	47,47,47	0.98	1 (2%)
14	CLA	A	1127	-	69,73,73	2.20	20 (28%)	82,113,113	2.40	24 (29%)
14	CLA	G	1102	1	54,58,73	2.55	24 (44%)	64,95,113	2.78	28 (43%)
14	CLA	G	1139	-	49,53,73	2.54	24 (48%)	58,89,113	2.71	23 (39%)
18	BCR	B	4010	-	41,41,41	2.79	6 (14%)	56,56,56	7.03	20 (35%)
18	BCR	a	4006	-	41,41,41	2.72	6 (14%)	56,56,56	6.73	23 (41%)
14	CLA	B	1203	2	69,73,73	2.17	20 (28%)	82,113,113	2.55	25 (30%)
14	CLA	B	1210	-	69,73,73	2.20	22 (31%)	82,113,113	2.67	28 (34%)
14	CLA	a	1110	1	49,53,73	2.54	20 (40%)	58,89,113	2.73	21 (36%)
14	CLA	B	1240	2	69,73,73	2.26	23 (33%)	82,113,113	2.48	24 (29%)
14	CLA	A	1115	1	69,73,73	2.24	20 (28%)	82,113,113	2.53	29 (35%)
14	CLA	H	1212	-	49,53,73	2.50	21 (42%)	58,89,113	2.86	23 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	1111	-	64,68,73	2.29	22 (34%)	76,107,113	4.43	30 (39%)
13	CL0	a	1011	-	69,73,73	2.25	21 (30%)	82,113,113	2.40	27 (32%)
14	CLA	U	1503	-	69,73,73	2.23	20 (28%)	82,113,113	2.43	26 (31%)
14	CLA	G	1107	1	49,53,73	2.52	19 (38%)	58,89,113	2.77	22 (37%)
18	BCR	a	4002	-	41,41,41	2.65	6 (14%)	56,56,56	6.67	25 (44%)
20	LMG	A	5003	-	46,46,55	1.37	5 (10%)	54,54,63	1.26	4 (7%)
14	CLA	G	1118	1	59,63,73	2.41	21 (35%)	70,101,113	2.66	24 (34%)
14	CLA	A	1114	-	49,53,73	2.54	22 (44%)	58,89,113	2.72	20 (34%)
18	BCR	H	4005	-	41,41,41	2.63	6 (14%)	56,56,56	6.68	20 (35%)
14	CLA	B	1023	-	69,73,73	2.24	21 (30%)	82,113,113	2.73	31 (37%)
16	PQN	B	2002	-	34,34,34	1.59	2 (5%)	43,45,45	1.12	2 (4%)
21	LMT	H	6003	-	36,36,36	1.15	2 (5%)	47,47,47	1.62	8 (17%)
14	CLA	A	1101	-	49,53,73	2.54	22 (44%)	58,89,113	2.82	24 (41%)
14	CLA	b	1205	2	69,73,73	2.18	20 (28%)	82,113,113	2.56	28 (34%)
18	BCR	I	4018	-	41,41,41	2.73	7 (17%)	56,56,56	6.75	17 (30%)
20	LMG	H	5002	-	46,46,55	1.37	6 (13%)	54,54,63	1.25	6 (11%)
16	PQN	H	2002	-	34,34,34	1.59	2 (5%)	43,45,45	1.12	2 (4%)
14	CLA	H	1223	2	69,73,73	2.23	21 (30%)	82,113,113	2.51	28 (34%)
14	CLA	G	1113	1	49,53,73	2.53	21 (42%)	58,89,113	2.74	23 (39%)
14	CLA	a	1130	1	59,63,73	2.43	20 (33%)	70,101,113	2.50	25 (35%)
14	CLA	b	1222	25	69,73,73	2.20	21 (30%)	82,113,113	2.54	28 (34%)
24	FES	X	101	12	0,4,4	-	-	-		
14	CLA	A	1118	1	59,63,73	2.41	20 (33%)	70,101,113	2.66	24 (34%)
14	CLA	A	1116	1	59,63,73	2.42	22 (37%)	70,101,113	2.62	25 (35%)
21	LMT	b	6004	-	32,32,36	1.19	4 (12%)	43,43,47	1.19	4 (9%)
14	CLA	A	1013	-	64,68,73	2.30	21 (32%)	76,107,113	2.64	25 (32%)
19	LHG	l	5102	-	48,48,48	0.90	2 (4%)	51,54,54	1.05	3 (5%)
18	BCR	H	4010	-	41,41,41	2.79	6 (14%)	56,56,56	7.03	20 (35%)
18	BCR	G	4006	-	41,41,41	2.72	6 (14%)	56,56,56	6.73	23 (41%)
21	LMT	m	6000	-	36,36,36	1.16	6 (16%)	47,47,47	0.98	1 (2%)
18	BCR	a	4004	-	41,41,41	2.80	6 (14%)	56,56,56	6.83	23 (41%)
20	LMG	I	5006	-	37,37,55	1.15	3 (8%)	45,45,63	1.22	5 (11%)
14	CLA	H	1227	2	49,53,73	2.50	20 (40%)	58,89,113	2.82	21 (36%)
15	F6C	B	1237	25	72,74,74	2.64	25 (34%)	83,114,114	3.16	35 (42%)
14	CLA	a	1129	1	54,58,73	2.49	19 (35%)	64,95,113	2.90	28 (43%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	l	1501	10	69,73,73	2.19	20 (28%)	82,113,113	2.49	26 (31%)
21	LMT	b	6002	-	36,36,36	1.18	6 (16%)	47,47,47	1.04	1 (2%)
14	CLA	B	1022	-	59,63,73	2.37	19 (32%)	70,101,113	2.61	27 (38%)
15	F6C	H	1237	25	72,74,74	2.63	25 (34%)	83,114,114	3.17	35 (42%)
14	CLA	a	1124	25	59,63,73	2.38	21 (35%)	70,101,113	2.70	23 (32%)
14	CLA	G	1135	-	54,58,73	2.52	21 (38%)	64,95,113	2.78	27 (42%)
14	CLA	H	1231	-	69,73,73	2.20	22 (31%)	82,113,113	2.47	24 (29%)
18	BCR	H	4009	-	41,41,41	2.73	7 (17%)	56,56,56	6.67	24 (42%)
18	BCR	G	4005	-	41,41,41	2.78	6 (14%)	56,56,56	6.67	22 (39%)
14	CLA	H	1236	2	59,63,73	2.34	21 (35%)	70,101,113	2.80	27 (38%)
14	CLA	a	1127	-	69,73,73	2.20	20 (28%)	82,113,113	2.40	23 (28%)
14	CLA	a	1112	1	59,63,73	2.42	22 (37%)	70,101,113	2.67	26 (37%)
14	CLA	a	1118	1	59,63,73	2.41	20 (33%)	70,101,113	2.65	24 (34%)
17	SF4	c	3002	3	0,12,12	-	-	-		
14	CLA	G	1132	-	69,73,73	2.20	21 (30%)	82,113,113	2.57	27 (32%)
14	CLA	A	1113	1	49,53,73	2.53	21 (42%)	58,89,113	2.74	23 (39%)
14	CLA	G	1125	1	69,73,73	2.16	20 (28%)	82,113,113	2.55	29 (35%)
14	CLA	G	1134	1	49,53,73	2.52	21 (42%)	58,89,113	2.76	23 (39%)
14	CLA	b	1229	2	64,68,73	2.32	21 (32%)	76,107,113	2.58	26 (34%)
21	LMT	G	6001	-	32,32,36	1.27	5 (15%)	43,43,47	1.11	5 (11%)
21	LMT	a	6003	-	33,33,36	1.18	4 (12%)	44,44,47	0.96	1 (2%)
14	CLA	b	1213	2	49,53,73	2.53	22 (44%)	58,89,113	2.81	23 (39%)
14	CLA	G	1136	1	69,73,73	2.20	22 (31%)	82,113,113	2.51	26 (31%)
14	CLA	a	1106	1	64,68,73	2.29	21 (32%)	76,107,113	2.64	28 (36%)
14	CLA	a	1126	-	64,68,73	2.33	20 (31%)	76,107,113	2.53	23 (30%)
14	CLA	H	1204	2	69,73,73	2.21	21 (30%)	82,113,113	2.50	25 (30%)
15	F6C	H	1238	25	72,74,74	2.70	26 (36%)	83,114,114	3.11	32 (38%)
18	BCR	M	4021	-	41,41,41	2.70	6 (14%)	56,56,56	6.79	19 (33%)
18	BCR	b	4010	-	41,41,41	2.79	6 (14%)	56,56,56	7.03	20 (35%)
14	CLA	M	1501	-	54,58,73	2.51	20 (37%)	64,95,113	2.74	27 (42%)
14	CLA	a	1012	25	69,73,73	2.21	19 (27%)	82,113,113	2.44	28 (34%)
14	CLA	a	1117	1	69,73,73	2.14	22 (31%)	82,113,113	2.49	32 (39%)
15	F6C	b	1237	25	72,74,74	2.64	25 (34%)	83,114,114	3.16	35 (42%)
15	F6C	B	1238	25	72,74,74	2.71	25 (34%)	83,114,114	3.12	32 (38%)
21	LMT	l	6002	-	36,36,36	1.26	5 (13%)	47,47,47	1.24	7 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
15	F6C	H	1219	-	62,64,74	2.92	30 (48%)	71,102,114	3.40	32 (45%)
14	CLA	H	1226	2	69,73,73	2.26	19 (27%)	82,113,113	2.45	26 (31%)
19	LHG	l	5101	-	24,24,48	1.28	2 (8%)	26,26,54	1.50	4 (15%)
14	CLA	b	1235	-	64,68,73	2.28	21 (32%)	76,107,113	2.62	28 (36%)
19	LHG	A	5001	-	41,41,48	1.05	2 (4%)	44,47,54	0.99	2 (4%)
18	BCR	A	4003	-	41,41,41	2.74	6 (14%)	56,56,56	7.01	23 (41%)
14	CLA	H	1211	2	69,73,73	2.23	23 (33%)	82,113,113	2.42	28 (34%)
14	CLA	G	1108	1	49,53,73	2.57	21 (42%)	58,89,113	2.73	24 (41%)
14	CLA	a	1133	1	64,68,73	2.30	21 (32%)	76,107,113	2.57	21 (27%)
21	LMT	L	6002	-	36,36,36	1.26	5 (13%)	47,47,47	1.23	7 (14%)
21	LMT	B	6004	-	32,32,36	1.18	4 (12%)	43,43,47	1.18	4 (9%)
14	CLA	G	1110	1	49,53,73	2.55	20 (40%)	58,89,113	2.73	21 (36%)
15	F6C	G	1121	-	52,54,74	3.09	25 (48%)	59,90,114	3.52	33 (55%)
14	CLA	B	1204	2	69,73,73	2.22	21 (30%)	82,113,113	2.50	26 (31%)
14	CLA	a	1139	-	49,53,73	2.54	23 (46%)	58,89,113	2.71	23 (39%)
14	CLA	G	1105	1	49,53,73	2.55	20 (40%)	58,89,113	2.80	22 (37%)
21	LMT	U	6002	-	36,36,36	1.26	5 (13%)	47,47,47	1.23	7 (14%)
21	LMT	a	6004	-	24,24,36	1.05	3 (12%)	29,29,47	1.07	1 (3%)
14	CLA	A	1125	1	69,73,73	2.16	20 (28%)	82,113,113	2.55	29 (35%)
21	LMT	L	6101	-	36,36,36	1.15	5 (13%)	47,47,47	1.34	4 (8%)
14	CLA	B	1206	-	69,73,73	2.22	20 (28%)	82,113,113	2.42	26 (31%)
14	CLA	a	1114	-	49,53,73	2.55	22 (44%)	58,89,113	2.72	21 (36%)
14	CLA	b	1227	2	49,53,73	2.50	20 (40%)	58,89,113	2.81	21 (36%)
14	CLA	L	1501	10	69,73,73	2.19	20 (28%)	82,113,113	2.49	26 (31%)
14	CLA	G	1103	1	69,73,73	2.20	21 (30%)	82,113,113	2.56	29 (35%)
14	CLA	a	1111	-	64,68,73	2.29	22 (34%)	76,107,113	4.43	31 (40%)
18	BCR	H	4004	-	41,41,41	2.64	6 (14%)	56,56,56	6.68	19 (33%)
14	CLA	K	1401	9	49,53,73	2.56	22 (44%)	58,89,113	2.86	25 (43%)
14	CLA	a	1138	1	59,63,73	2.37	22 (37%)	70,101,113	2.75	28 (40%)
14	CLA	H	1205	2	69,73,73	2.18	20 (28%)	82,113,113	2.56	28 (34%)
21	LMT	a	6001	-	32,32,36	1.27	5 (15%)	43,43,47	1.11	5 (11%)
14	CLA	H	1225	-	69,73,73	2.24	19 (27%)	82,113,113	2.32	20 (24%)
15	F6C	B	1230	-	52,54,74	3.11	27 (51%)	59,90,114	3.62	30 (50%)
14	CLA	b	1223	2	69,73,73	2.23	22 (31%)	82,113,113	2.51	29 (35%)
14	CLA	A	1126	-	64,68,73	2.33	21 (32%)	76,107,113	2.53	23 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	b	1211	2	69,73,73	2.24	23 (33%)	82,113,113	2.43	28 (34%)
14	CLA	a	1125	1	69,73,73	2.16	20 (28%)	82,113,113	2.55	29 (35%)
21	LMT	U	6001	-	13,13,36	0.51	0	12,12,47	0.92	0
18	BCR	l	4022	-	41,41,41	2.78	6 (14%)	56,56,56	6.56	21 (37%)
14	CLA	B	1233	-	49,53,73	2.55	22 (44%)	58,89,113	2.75	25 (43%)
14	CLA	A	1140	1	59,63,73	2.41	21 (35%)	70,101,113	2.56	24 (34%)
18	BCR	H	4014	-	41,41,41	2.62	6 (14%)	56,56,56	6.79	21 (37%)
14	CLA	A	1122	1	59,63,73	2.35	21 (35%)	70,101,113	2.61	27 (38%)
21	LMT	H	6004	-	32,32,36	1.18	4 (12%)	43,43,47	1.18	4 (9%)
14	CLA	A	1105	1	49,53,73	2.55	21 (42%)	58,89,113	2.80	22 (37%)
21	LMT	R	6001	-	36,36,36	1.15	5 (13%)	47,47,47	1.04	2 (4%)
14	CLA	a	1134	1	49,53,73	2.53	21 (42%)	58,89,113	2.76	23 (39%)
15	F6C	A	1121	-	52,54,74	3.09	25 (48%)	59,90,114	3.52	33 (55%)
18	BCR	i	4020	-	41,41,41	2.90	7 (17%)	56,56,56	6.94	23 (41%)
14	CLA	G	1124	25	59,63,73	2.38	21 (35%)	70,101,113	2.70	23 (32%)
17	SF4	C	3002	3	0,12,12	-	-	-		
14	CLA	a	1128	1	64,68,73	2.32	19 (29%)	76,107,113	2.48	26 (34%)
14	CLA	G	1130	1	59,63,73	2.42	20 (33%)	70,101,113	2.49	25 (35%)
14	CLA	H	1210	-	69,73,73	2.20	22 (31%)	82,113,113	2.67	28 (34%)
14	CLA	b	1225	-	69,73,73	2.24	19 (27%)	82,113,113	2.32	21 (25%)
14	CLA	G	1116	1	59,63,73	2.42	22 (37%)	70,101,113	2.62	26 (37%)
14	CLA	H	1240	2	69,73,73	2.26	23 (33%)	82,113,113	2.48	25 (30%)
14	CLA	a	1113	1	49,53,73	2.52	21 (42%)	58,89,113	2.74	23 (39%)
18	BCR	R	4020	-	41,41,41	2.90	7 (17%)	56,56,56	6.93	22 (39%)
14	CLA	b	1212	-	49,53,73	2.50	21 (42%)	58,89,113	2.86	23 (39%)
21	LMT	A	6003	-	33,33,36	1.19	5 (15%)	44,44,47	0.96	1 (2%)
18	BCR	b	4014	-	41,41,41	2.62	7 (17%)	56,56,56	6.79	21 (37%)
14	CLA	A	1102	1	54,58,73	2.55	25 (46%)	64,95,113	2.77	28 (43%)
18	BCR	a	4001	-	41,41,41	2.67	6 (14%)	56,56,56	6.73	16 (28%)
14	CLA	b	1201	2	69,73,73	2.19	22 (31%)	82,113,113	2.61	28 (34%)
24	FES	x	101	12	0,4,4	-	-	-		
14	CLA	H	1221	-	69,73,73	2.22	21 (30%)	82,113,113	2.46	26 (31%)
21	LMT	l	6101	-	36,36,36	1.16	5 (13%)	47,47,47	1.34	4 (8%)
14	CLA	T	1401	9	49,53,73	2.56	22 (44%)	58,89,113	2.86	25 (43%)
14	CLA	G	1117	1	69,73,73	2.14	22 (31%)	82,113,113	2.49	33 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	L	1503	-	69,73,73	2.23	20 (28%)	82,113,113	2.43	26 (31%)
15	F6C	a	1121	-	52,54,74	3.10	25 (48%)	59,90,114	3.52	33 (55%)
18	BCR	b	4017	-	41,41,41	2.80	6 (14%)	56,56,56	6.88	19 (33%)
14	CLA	H	1232	-	49,53,73	2.54	22 (44%)	58,89,113	2.74	23 (39%)
18	BCR	G	4004	-	41,41,41	2.80	6 (14%)	56,56,56	6.83	23 (41%)
18	BCR	A	4006	-	41,41,41	2.72	6 (14%)	56,56,56	6.73	23 (41%)
14	CLA	a	1119	-	69,73,73	2.22	19 (27%)	82,113,113	2.33	24 (29%)
17	SF4	C	3003	3	0,12,12	-	-	-		
14	CLA	b	1210	-	69,73,73	2.21	22 (31%)	82,113,113	2.68	28 (34%)
18	BCR	l	4019	-	41,41,41	2.84	6 (14%)	56,56,56	6.67	26 (46%)
14	CLA	l	1503	-	69,73,73	2.23	20 (28%)	82,113,113	2.43	26 (31%)
14	CLA	b	1240	2	69,73,73	2.27	23 (33%)	82,113,113	2.48	26 (31%)
14	CLA	H	1214	2	64,68,73	2.34	22 (34%)	76,107,113	2.51	30 (39%)
21	LMT	G	6002	-	29,29,36	1.42	6 (20%)	40,40,47	1.26	4 (10%)
14	CLA	H	1209	2	49,53,73	2.52	20 (40%)	58,89,113	2.67	22 (37%)
14	CLA	B	1229	2	64,68,73	2.32	21 (32%)	76,107,113	2.58	26 (34%)
14	CLA	B	1223	2	69,73,73	2.23	21 (30%)	82,113,113	2.51	28 (34%)
14	CLA	A	1109	-	69,73,73	2.24	23 (33%)	82,113,113	2.54	25 (30%)
14	CLA	A	1139	-	49,53,73	2.54	23 (46%)	58,89,113	2.71	23 (39%)
17	SF4	N	3002	3	0,12,12	-	-	-		
14	CLA	B	1217	2	49,53,73	2.50	20 (40%)	58,89,113	2.81	23 (39%)
14	CLA	H	1229	2	64,68,73	2.32	21 (32%)	76,107,113	2.59	26 (34%)
14	CLA	a	1013	-	64,68,73	2.30	21 (32%)	76,107,113	2.63	25 (32%)
14	CLA	a	1115	1	69,73,73	2.24	20 (28%)	82,113,113	2.53	29 (35%)
14	CLA	G	1013	-	64,68,73	2.29	21 (32%)	76,107,113	2.64	25 (32%)
14	CLA	a	1108	1	49,53,73	2.56	21 (42%)	58,89,113	2.73	25 (43%)
21	LMT	A	6002	-	29,29,36	1.42	6 (20%)	40,40,47	1.26	4 (10%)
21	LMT	G	6004	-	24,24,36	1.04	3 (12%)	29,29,47	1.08	1 (3%)
18	BCR	H	4017	-	41,41,41	2.80	6 (14%)	56,56,56	6.88	19 (33%)
20	LMG	B	5002	-	46,46,55	1.37	6 (13%)	54,54,63	1.25	6 (11%)
14	CLA	U	1502	10	64,68,73	2.28	20 (31%)	76,107,113	2.54	23 (30%)
14	CLA	A	1107	1	49,53,73	2.52	19 (38%)	58,89,113	2.77	22 (37%)
14	CLA	G	1131	1	64,68,73	2.31	21 (32%)	76,107,113	2.58	24 (31%)
14	CLA	a	1131	1	64,68,73	2.30	21 (32%)	76,107,113	2.58	24 (31%)
17	SF4	A	3001	2,1	0,12,12	-	-	-		

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	LMG	i	5006	-	-	13/32/52/70	0/1/1/1
14	CLA	B	1214	2	-	13/33/109/115	-
14	CLA	A	1138	1	-	13/27/103/115	-
14	CLA	B	1209	2	-	4/15/91/115	-
14	CLA	A	1120	1	-	5/15/91/115	-
14	CLA	a	1103	1	-	18/39/115/115	-
14	CLA	b	1214	2	-	13/33/109/115	-
14	CLA	G	1133	1	-	19/33/109/115	-
21	LMT	i	6001	-	-	10/21/61/61	0/2/2/2
18	BCR	B	4014	-	-	6/29/63/63	0/2/2/2
18	BCR	b	4006	-	-	16/29/63/63	0/2/2/2
14	CLA	a	1107	1	-	5/15/91/115	-
14	CLA	G	1123	-	-	11/33/109/115	-
14	CLA	a	1116	1	-	14/27/103/115	-
14	CLA	a	1105	1	-	3/15/91/115	-
18	BCR	V	4021	-	-	14/29/63/63	0/2/2/2
14	CLA	H	1218	2	-	5/15/91/115	-
14	CLA	b	1204	2	-	11/39/115/115	-
14	CLA	G	1106	1	-	10/33/109/115	-
18	BCR	U	4019	-	-	9/29/63/63	0/2/2/2
14	CLA	A	1137	1	-	3/21/97/115	-
14	CLA	A	1104	1	-	18/39/115/115	-
14	CLA	B	1222	25	-	16/39/115/115	-
15	F6C	b	1219	-	1/1/8/16	16/29/85/97	-
14	CLA	B	1205	2	-	15/39/115/115	-
14	CLA	b	1231	-	-	19/39/115/115	-
14	CLA	G	1119	-	-	14/39/115/115	-
18	BCR	i	4018	-	-	11/29/63/63	0/2/2/2
14	CLA	G	1129	1	-	7/21/97/115	-
14	CLA	a	1101	-	-	8/15/91/115	-
14	CLA	b	1236	2	-	15/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	BCR	G	4003	-	-	9/29/63/63	0/2/2/2
14	CLA	B	1212	-	-	5/15/91/115	-
14	CLA	m	1501	-	-	8/21/97/115	-
16	PQN	G	2001	-	-	8/23/43/43	0/2/2/2
18	BCR	A	4005	-	-	10/29/63/63	0/2/2/2
14	CLA	G	1140	1	-	16/27/103/115	-
17	SF4	c	3003	3	-	-	0/6/5/5
18	BCR	B	4004	-	-	11/29/63/63	0/2/2/2
21	LMT	U	6101	-	-	8/21/61/61	0/2/2/2
21	LMT	M	6000	-	-	5/21/61/61	0/2/2/2
14	CLA	A	1135	-	-	5/21/97/115	-
14	CLA	A	1110	1	-	3/15/91/115	-
14	CLA	H	1220	2	-	13/39/115/115	-
14	CLA	b	1220	2	-	12/39/115/115	-
14	CLA	b	1221	-	-	18/39/115/115	-
14	CLA	A	1136	1	-	18/39/115/115	-
21	LMT	B	6002	-	-	3/21/61/61	0/2/2/2
14	CLA	b	1239	2	-	22/39/115/115	-
19	LHG	G	5002	-	-	24/45/45/53	-
14	CLA	G	1128	1	-	15/33/109/115	-
21	LMT	B	6003	-	-	10/21/61/61	0/2/2/2
14	CLA	H	1233	-	-	6/15/91/115	-
14	CLA	A	1123	-	-	11/33/109/115	-
18	BCR	R	4018	-	-	11/29/63/63	0/2/2/2
18	BCR	L	4022	-	-	7/29/63/63	0/2/2/2
18	BCR	a	4005	-	-	10/29/63/63	0/2/2/2
18	BCR	B	4006	-	-	16/29/63/63	0/2/2/2
14	CLA	A	1012	25	-	9/39/115/115	-
14	CLA	B	1213	2	-	2/15/91/115	-
14	CLA	B	1021	2	-	12/39/115/115	-
18	BCR	G	4001	-	-	12/29/63/63	0/2/2/2
14	CLA	H	1021	2	-	12/39/115/115	-
14	CLA	a	1102	1	-	8/21/97/115	-
21	LMT	I	6001	-	-	10/21/61/61	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	SF4	a	3001	2,1	-	-	0/6/5/5
21	LMT	L	6001	-	-	5/11/11/61	-
14	CLA	B	1220	2	-	13/39/115/115	-
18	BCR	A	4002	-	-	12/29/63/63	0/2/2/2
14	CLA	B	1236	2	-	15/27/103/115	-
14	CLA	B	1239	2	-	22/39/115/115	-
14	CLA	b	1232	-	-	2/15/91/115	-
15	F6C	B	1219	-	1/1/8/16	16/29/85/97	-
24	FES	W	101	12	-	-	0/1/1/1
14	CLA	G	1101	-	-	8/15/91/115	-
14	CLA	l	1502	10	-	10/33/109/115	-
14	CLA	A	1103	1	-	18/39/115/115	-
14	CLA	A	1124	25	-	4/27/103/115	-
14	CLA	A	1130	1	-	9/27/103/115	-
19	LHG	a	5002	-	-	24/45/45/53	-
14	CLA	H	1224	-	-	19/39/115/115	-
14	CLA	A	1112	1	-	11/27/103/115	-
14	CLA	H	1023	-	-	8/39/115/115	-
14	CLA	G	1109	-	-	15/39/115/115	-
19	LHG	L	5102	-	-	25/53/53/53	-
14	CLA	G	1115	1	-	19/39/115/115	-
14	CLA	b	1215	2	-	13/33/109/115	-
14	CLA	b	1209	2	-	4/15/91/115	-
14	CLA	b	1234	-	-	16/39/115/115	-
14	CLA	H	1239	2	-	22/39/115/115	-
14	CLA	G	1012	25	-	9/39/115/115	-
14	CLA	A	1132	-	-	12/39/115/115	-
14	CLA	B	1232	-	-	2/15/91/115	-
20	LMG	G	5003	-	-	15/41/61/70	0/1/1/1
21	LMT	B	6001	-	-	7/21/61/61	0/2/2/2
21	LMT	b	6001	-	-	7/21/61/61	0/2/2/2
14	CLA	a	1122	1	-	14/27/103/115	-
14	CLA	G	1114	-	-	6/15/91/115	-
21	LMT	l	6001	-	-	5/11/11/61	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	V	1501	-	-	8/21/97/115	-
15	F6C	b	1207	2	1/1/10/16	19/41/97/97	-
18	BCR	K	4001	-	-	16/29/63/63	0/2/2/2
14	CLA	A	1141	-	-	11/15/91/115	-
14	CLA	b	1226	2	-	16/39/115/115	-
14	CLA	H	1217	2	-	8/15/91/115	-
14	CLA	B	1211	2	-	13/39/115/115	-
21	LMT	H	6002	-	-	3/21/61/61	0/2/2/2
14	CLA	B	1224	-	-	19/39/115/115	-
14	CLA	G	1138	1	-	13/27/103/115	-
14	CLA	H	1235	-	-	12/33/109/115	-
14	CLA	b	1023	-	-	8/39/115/115	-
14	CLA	A	1128	1	-	15/33/109/115	-
18	BCR	H	4006	-	-	16/29/63/63	0/2/2/2
14	CLA	a	1140	1	-	16/27/103/115	-
14	CLA	H	1202	2	-	14/39/115/115	-
20	LMG	a	5003	-	-	15/41/61/70	0/1/1/1
14	CLA	b	1218	2	-	5/15/91/115	-
14	CLA	B	1235	-	-	12/33/109/115	-
17	SF4	G	3001	2,1	-	-	0/6/5/5
14	CLA	H	1228	2	-	14/27/103/115	-
14	CLA	B	1208	2	-	9/33/109/115	-
14	CLA	B	1227	2	-	8/15/91/115	-
16	PQN	b	2002	-	-	7/23/43/43	0/2/2/2
14	CLA	G	1137	1	-	3/21/97/115	-
14	CLA	L	1502	10	-	10/33/109/115	-
21	LMT	A	6004	-	-	6/15/35/61	0/1/1/2
19	LHG	L	5101	-	-	15/26/26/53	-
15	F6C	H	1207	2	1/1/10/16	19/41/97/97	-
18	BCR	b	4005	-	-	6/29/63/63	0/2/2/2
19	LHG	a	5001	-	-	23/46/46/53	-
18	BCR	a	4003	-	-	9/29/63/63	0/2/2/2
14	CLA	H	1222	25	-	16/39/115/115	-
14	CLA	H	1215	2	-	13/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	1111	-	-	17/33/109/115	-
14	CLA	A	1131	1	-	14/33/109/115	-
14	CLA	H	1022	-	-	10/27/103/115	-
14	CLA	b	1217	2	-	8/15/91/115	-
14	CLA	B	1201	2	-	18/39/115/115	-
14	CLA	b	1021	2	-	12/39/115/115	-
16	PQN	a	2001	-	-	8/23/43/43	0/2/2/2
14	CLA	B	1228	2	-	14/27/103/115	-
14	CLA	k	1401	9	-	11/15/91/115	-
17	SF4	N	3003	3	-	-	0/6/5/5
14	CLA	B	1234	-	-	16/39/115/115	-
13	CL0	A	1011	-	-	14/39/115/115	-
14	CLA	A	1133	1	-	19/33/109/115	-
14	CLA	b	1224	-	-	19/39/115/115	-
21	LMT	a	6002	-	-	8/14/54/61	0/2/2/2
14	CLA	H	1234	-	-	16/39/115/115	-
21	LMT	A	6001	-	-	9/17/57/61	0/2/2/2
14	CLA	H	1201	2	-	18/39/115/115	-
19	LHG	U	5102	-	-	25/53/53/53	-
14	CLA	H	1203	2	-	23/39/115/115	-
14	CLA	B	1231	-	-	19/39/115/115	-
14	CLA	G	1104	1	-	18/39/115/115	-
18	BCR	B	4017	-	-	15/29/63/63	0/2/2/2
14	CLA	a	1109	-	-	15/39/115/115	-
14	CLA	b	1202	2	-	14/39/115/115	-
18	BCR	b	4009	-	-	4/29/63/63	0/2/2/2
14	CLA	H	1213	2	-	2/15/91/115	-
14	CLA	b	1228	2	-	14/27/103/115	-
18	BCR	L	4019	-	-	9/29/63/63	0/2/2/2
18	BCR	B	4005	-	-	6/29/63/63	0/2/2/2
14	CLA	G	1120	1	-	5/15/91/115	-
15	F6C	B	1207	2	1/1/10/16	19/41/97/97	-
14	CLA	A	1129	1	-	7/21/97/115	-
14	CLA	H	1206	-	-	20/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	1022	-	-	10/27/103/115	-
19	LHG	A	5002	-	-	24/45/45/53	-
14	CLA	B	1202	2	-	14/39/115/115	-
14	CLA	b	1233	-	-	6/15/91/115	-
15	F6C	b	1238	25	1/1/10/16	15/41/97/97	-
19	LHG	G	5001	-	-	23/46/46/53	-
14	CLA	B	1218	2	-	5/15/91/115	-
18	BCR	U	4022	-	-	7/29/63/63	0/2/2/2
16	PQN	A	2001	-	-	8/23/43/43	0/2/2/2
14	CLA	b	1216	-	-	20/39/115/115	-
14	CLA	b	1203	2	-	23/39/115/115	-
18	BCR	A	4001	-	-	12/29/63/63	0/2/2/2
14	CLA	B	1226	2	-	16/39/115/115	-
14	CLA	G	1122	1	-	14/27/103/115	-
18	BCR	B	4009	-	-	4/29/63/63	0/2/2/2
14	CLA	A	1134	1	-	6/15/91/115	-
15	F6C	H	1230	-	1/1/6/16	9/17/73/97	-
13	CL0	G	1011	-	-	14/39/115/115	-
14	CLA	B	1215	2	-	13/33/109/115	-
14	CLA	a	1104	1	-	18/39/115/115	-
14	CLA	A	1106	1	-	10/33/109/115	-
14	CLA	U	1501	10	-	6/39/115/115	-
14	CLA	G	1127	-	-	16/39/115/115	-
14	CLA	G	1112	1	-	11/27/103/115	-
19	LHG	U	5101	-	-	15/26/26/53	-
14	CLA	A	1117	1	-	20/39/115/115	-
20	LMG	R	5006	-	-	13/32/52/70	0/1/1/1
14	CLA	A	1119	-	-	14/39/115/115	-
14	CLA	a	1132	-	-	12/39/115/115	-
14	CLA	b	1206	-	-	20/39/115/115	-
14	CLA	H	1208	2	-	9/33/109/115	-
14	CLA	H	1216	-	-	20/39/115/115	-
21	LMT	G	6003	-	-	7/18/58/61	0/2/2/2
18	BCR	k	4001	-	-	16/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	BCR	A	4004	-	-	10/29/63/63	0/2/2/2
14	CLA	B	1216	-	-	20/39/115/115	-
14	CLA	G	1126	-	-	13/33/109/115	-
18	BCR	G	4002	-	-	12/29/63/63	0/2/2/2
21	LMT	b	6003	-	-	10/21/61/61	0/2/2/2
18	BCR	T	4001	-	-	16/29/63/63	0/2/2/2
18	BCR	b	4004	-	-	11/29/63/63	0/2/2/2
14	CLA	a	1137	1	-	3/21/97/115	-
14	CLA	a	1123	-	-	12/33/109/115	-
14	CLA	G	1141	-	-	11/15/91/115	-
15	F6C	b	1230	-	1/1/6/16	9/17/73/97	-
14	CLA	a	1141	-	-	11/15/91/115	-
18	BCR	I	4020	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1225	-	-	16/39/115/115	-
14	CLA	A	1108	1	-	3/15/91/115	-
14	CLA	a	1136	1	-	18/39/115/115	-
14	CLA	a	1120	1	-	5/15/91/115	-
18	BCR	m	4021	-	-	14/29/63/63	0/2/2/2
21	LMT	H	6001	-	-	7/21/61/61	0/2/2/2
20	LMG	b	5002	-	-	17/41/61/70	0/1/1/1
14	CLA	b	1208	2	-	9/33/109/115	-
14	CLA	a	1135	-	-	5/21/97/115	-
14	CLA	B	1221	-	-	18/39/115/115	-
21	LMT	V	6000	-	-	5/21/61/61	0/2/2/2
14	CLA	A	1127	-	-	16/39/115/115	-
14	CLA	G	1102	1	-	8/21/97/115	-
14	CLA	G	1139	-	-	6/15/91/115	-
18	BCR	B	4010	-	-	7/29/63/63	0/2/2/2
18	BCR	a	4006	-	-	15/29/63/63	0/2/2/2
14	CLA	B	1203	2	-	23/39/115/115	-
14	CLA	B	1210	-	-	14/39/115/115	-
14	CLA	a	1110	1	-	3/15/91/115	-
14	CLA	B	1240	2	-	17/39/115/115	-
14	CLA	A	1115	1	-	19/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	1212	-	-	5/15/91/115	-
14	CLA	G	1111	-	-	17/33/109/115	-
13	CL0	a	1011	-	-	14/39/115/115	-
14	CLA	U	1503	-	-	12/39/115/115	-
14	CLA	G	1107	1	-	5/15/91/115	-
18	BCR	a	4002	-	-	12/29/63/63	0/2/2/2
20	LMG	A	5003	-	-	15/41/61/70	0/1/1/1
14	CLA	G	1118	1	-	12/27/103/115	-
14	CLA	A	1114	-	-	6/15/91/115	-
18	BCR	H	4005	-	-	6/29/63/63	0/2/2/2
14	CLA	B	1023	-	-	8/39/115/115	-
16	PQN	B	2002	-	-	7/23/43/43	0/2/2/2
21	LMT	H	6003	-	-	10/21/61/61	0/2/2/2
14	CLA	A	1101	-	-	8/15/91/115	-
14	CLA	b	1205	2	-	15/39/115/115	-
18	BCR	I	4018	-	-	11/29/63/63	0/2/2/2
20	LMG	H	5002	-	-	17/41/61/70	0/1/1/1
16	PQN	H	2002	-	-	7/23/43/43	0/2/2/2
14	CLA	H	1223	2	-	11/39/115/115	-
14	CLA	G	1113	1	-	7/15/91/115	-
14	CLA	a	1130	1	-	9/27/103/115	-
14	CLA	b	1222	25	-	15/39/115/115	-
24	FES	X	101	12	-	-	0/1/1/1
14	CLA	A	1118	1	-	12/27/103/115	-
14	CLA	A	1116	1	-	14/27/103/115	-
21	LMT	b	6004	-	-	10/17/57/61	0/2/2/2
14	CLA	A	1013	-	-	8/33/109/115	-
19	LHG	l	5102	-	-	25/53/53/53	-
18	BCR	H	4010	-	-	7/29/63/63	0/2/2/2
18	BCR	G	4006	-	-	14/29/63/63	0/2/2/2
21	LMT	m	6000	-	-	5/21/61/61	0/2/2/2
18	BCR	a	4004	-	-	10/29/63/63	0/2/2/2
20	LMG	I	5006	-	-	13/32/52/70	0/1/1/1
14	CLA	H	1227	2	-	8/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	F6C	B	1237	25	1/1/10/16	22/41/97/97	-
14	CLA	a	1129	1	-	7/21/97/115	-
14	CLA	l	1501	10	-	6/39/115/115	-
21	LMT	b	6002	-	-	3/21/61/61	0/2/2/2
14	CLA	B	1022	-	-	10/27/103/115	-
15	F6C	H	1237	25	1/1/10/16	22/41/97/97	-
14	CLA	a	1124	25	-	4/27/103/115	-
14	CLA	G	1135	-	-	5/21/97/115	-
14	CLA	H	1231	-	-	19/39/115/115	-
18	BCR	H	4009	-	-	4/29/63/63	0/2/2/2
18	BCR	G	4005	-	-	10/29/63/63	0/2/2/2
14	CLA	H	1236	2	-	15/27/103/115	-
14	CLA	a	1127	-	-	16/39/115/115	-
14	CLA	a	1112	1	-	11/27/103/115	-
14	CLA	a	1118	1	-	12/27/103/115	-
17	SF4	c	3002	3	-	-	0/6/5/5
14	CLA	G	1132	-	-	12/39/115/115	-
14	CLA	A	1113	1	-	7/15/91/115	-
14	CLA	G	1125	1	-	17/39/115/115	-
14	CLA	G	1134	1	-	6/15/91/115	-
14	CLA	b	1229	2	-	13/33/109/115	-
21	LMT	G	6001	-	-	9/17/57/61	0/2/2/2
21	LMT	a	6003	-	-	7/18/58/61	0/2/2/2
14	CLA	b	1213	2	-	2/15/91/115	-
14	CLA	G	1136	1	-	18/39/115/115	-
14	CLA	a	1106	1	-	10/33/109/115	-
14	CLA	a	1126	-	-	14/33/109/115	-
14	CLA	H	1204	2	-	11/39/115/115	-
15	F6C	H	1238	25	1/1/10/16	15/41/97/97	-
18	BCR	M	4021	-	-	14/29/63/63	0/2/2/2
18	BCR	b	4010	-	-	7/29/63/63	0/2/2/2
14	CLA	M	1501	-	-	8/21/97/115	-
14	CLA	a	1012	25	-	9/39/115/115	-
14	CLA	a	1117	1	-	20/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	F6C	b	1237	25	1/1/10/16	22/41/97/97	-
15	F6C	B	1238	25	1/1/10/16	15/41/97/97	-
21	LMT	l	6002	-	-	6/21/61/61	0/2/2/2
15	F6C	H	1219	-	1/1/8/16	16/29/85/97	-
14	CLA	H	1226	2	-	16/39/115/115	-
19	LHG	l	5101	-	-	14/26/26/53	-
14	CLA	b	1235	-	-	12/33/109/115	-
19	LHG	A	5001	-	-	23/46/46/53	-
18	BCR	A	4003	-	-	9/29/63/63	0/2/2/2
14	CLA	H	1211	2	-	13/39/115/115	-
14	CLA	G	1108	1	-	3/15/91/115	-
14	CLA	a	1133	1	-	19/33/109/115	-
21	LMT	L	6002	-	-	6/21/61/61	0/2/2/2
21	LMT	B	6004	-	-	10/17/57/61	0/2/2/2
14	CLA	G	1110	1	-	3/15/91/115	-
15	F6C	G	1121	-	1/1/6/16	10/17/73/97	-
14	CLA	B	1204	2	-	11/39/115/115	-
14	CLA	a	1139	-	-	6/15/91/115	-
14	CLA	G	1105	1	-	3/15/91/115	-
21	LMT	U	6002	-	-	6/21/61/61	0/2/2/2
21	LMT	a	6004	-	-	6/15/35/61	0/1/1/2
14	CLA	A	1125	1	-	16/39/115/115	-
21	LMT	L	6101	-	-	8/21/61/61	0/2/2/2
14	CLA	B	1206	-	-	20/39/115/115	-
14	CLA	a	1114	-	-	6/15/91/115	-
14	CLA	b	1227	2	-	8/15/91/115	-
14	CLA	L	1501	10	-	6/39/115/115	-
14	CLA	G	1103	1	-	18/39/115/115	-
14	CLA	a	1111	-	-	17/33/109/115	-
18	BCR	H	4004	-	-	11/29/63/63	0/2/2/2
14	CLA	K	1401	9	-	11/15/91/115	-
14	CLA	a	1138	1	-	13/27/103/115	-
14	CLA	H	1205	2	-	15/39/115/115	-
21	LMT	a	6001	-	-	9/17/57/61	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	1225	-	-	16/39/115/115	-
15	F6C	B	1230	-	1/1/6/16	9/17/73/97	-
14	CLA	b	1223	2	-	11/39/115/115	-
14	CLA	A	1126	-	-	13/33/109/115	-
14	CLA	b	1211	2	-	13/39/115/115	-
14	CLA	a	1125	1	-	16/39/115/115	-
21	LMT	U	6001	-	-	5/11/11/61	-
18	BCR	l	4022	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1233	-	-	6/15/91/115	-
14	CLA	A	1140	1	-	16/27/103/115	-
18	BCR	H	4014	-	-	6/29/63/63	0/2/2/2
14	CLA	A	1122	1	-	14/27/103/115	-
21	LMT	H	6004	-	-	10/17/57/61	0/2/2/2
14	CLA	A	1105	1	-	3/15/91/115	-
21	LMT	R	6001	-	-	10/21/61/61	0/2/2/2
14	CLA	a	1134	1	-	6/15/91/115	-
15	F6C	A	1121	-	1/1/6/16	10/17/73/97	-
18	BCR	i	4020	-	-	7/29/63/63	0/2/2/2
14	CLA	G	1124	25	-	4/27/103/115	-
17	SF4	C	3002	3	-	-	0/6/5/5
14	CLA	a	1128	1	-	15/33/109/115	-
14	CLA	G	1130	1	-	9/27/103/115	-
14	CLA	H	1210	-	-	14/39/115/115	-
14	CLA	b	1225	-	-	16/39/115/115	-
14	CLA	G	1116	1	-	14/27/103/115	-
14	CLA	H	1240	2	-	17/39/115/115	-
14	CLA	a	1113	1	-	7/15/91/115	-
18	BCR	R	4020	-	-	7/29/63/63	0/2/2/2
14	CLA	b	1212	-	-	5/15/91/115	-
21	LMT	A	6003	-	-	7/18/58/61	0/2/2/2
18	BCR	b	4014	-	-	6/29/63/63	0/2/2/2
14	CLA	A	1102	1	-	8/21/97/115	-
18	BCR	a	4001	-	-	12/29/63/63	0/2/2/2
14	CLA	b	1201	2	-	18/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	FES	x	101	12	-	-	0/1/1/1
14	CLA	H	1221	-	-	18/39/115/115	-
21	LMT	l	6101	-	-	8/21/61/61	0/2/2/2
14	CLA	T	1401	9	-	11/15/91/115	-
14	CLA	G	1117	1	-	20/39/115/115	-
14	CLA	L	1503	-	-	12/39/115/115	-
15	F6C	a	1121	-	1/1/6/16	10/17/73/97	-
18	BCR	b	4017	-	-	15/29/63/63	0/2/2/2
14	CLA	H	1232	-	-	2/15/91/115	-
18	BCR	G	4004	-	-	10/29/63/63	0/2/2/2
18	BCR	A	4006	-	-	15/29/63/63	0/2/2/2
14	CLA	a	1119	-	-	14/39/115/115	-
17	SF4	C	3003	3	-	-	0/6/5/5
14	CLA	b	1210	-	-	14/39/115/115	-
18	BCR	l	4019	-	-	9/29/63/63	0/2/2/2
14	CLA	l	1503	-	-	12/39/115/115	-
14	CLA	b	1240	2	-	17/39/115/115	-
14	CLA	H	1214	2	-	13/33/109/115	-
21	LMT	G	6002	-	-	8/14/54/61	0/2/2/2
14	CLA	H	1209	2	-	4/15/91/115	-
14	CLA	B	1229	2	-	13/33/109/115	-
14	CLA	B	1223	2	-	11/39/115/115	-
14	CLA	A	1109	-	-	15/39/115/115	-
14	CLA	A	1139	-	-	6/15/91/115	-
17	SF4	N	3002	3	-	-	0/6/5/5
14	CLA	B	1217	2	-	8/15/91/115	-
14	CLA	H	1229	2	-	13/33/109/115	-
14	CLA	a	1013	-	-	8/33/109/115	-
14	CLA	a	1115	1	-	19/39/115/115	-
14	CLA	G	1013	-	-	8/33/109/115	-
14	CLA	a	1108	1	-	3/15/91/115	-
21	LMT	A	6002	-	-	8/14/54/61	0/2/2/2
21	LMT	G	6004	-	-	6/15/35/61	0/1/1/2
18	BCR	H	4017	-	-	15/29/63/63	0/2/2/2
20	LMG	B	5002	-	-	17/41/61/70	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	U	1502	10	-	10/33/109/115	-
14	CLA	A	1107	1	-	5/15/91/115	-
14	CLA	G	1131	1	-	14/33/109/115	-
14	CLA	a	1131	1	-	14/33/109/115	-
17	SF4	A	3001	2,1	-	-	0/6/5/5

All (6473) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	a	1121	F6C	C1A-CHA	10.09	1.51	1.35
15	A	1121	F6C	C1A-CHA	10.04	1.51	1.35
15	G	1121	F6C	C1A-CHA	10.01	1.51	1.35
15	b	1237	F6C	C1A-CHA	9.81	1.51	1.35
15	H	1237	F6C	C1A-CHA	9.80	1.51	1.35
15	b	1238	F6C	C1A-CHA	9.79	1.51	1.35
15	B	1237	F6C	C1A-CHA	9.78	1.51	1.35
15	B	1238	F6C	C1A-CHA	9.77	1.51	1.35
15	H	1238	F6C	C1A-CHA	9.76	1.51	1.35
15	B	1207	F6C	C1A-CHA	9.74	1.51	1.35
15	H	1207	F6C	C1A-CHA	9.74	1.51	1.35
15	b	1207	F6C	C1A-CHA	9.71	1.51	1.35
15	B	1230	F6C	C1A-CHA	9.32	1.50	1.35
15	b	1230	F6C	C1A-CHA	9.31	1.50	1.35
15	H	1230	F6C	C1A-CHA	9.29	1.50	1.35
15	b	1207	F6C	MG-NA	9.22	2.24	2.05
15	H	1207	F6C	MG-NA	9.19	2.24	2.05
15	B	1207	F6C	MG-NA	9.18	2.24	2.05
15	H	1219	F6C	MG-NA	9.11	2.23	2.05
15	B	1219	F6C	MG-NA	9.08	2.23	2.05
15	b	1219	F6C	MG-NA	9.06	2.23	2.05
15	B	1230	F6C	MG-NA	9.03	2.23	2.05
15	H	1230	F6C	MG-NA	9.02	2.23	2.05
15	b	1230	F6C	MG-NA	9.01	2.23	2.05
15	B	1219	F6C	C1A-CHA	8.99	1.49	1.35
15	b	1219	F6C	C1A-CHA	8.97	1.49	1.35
15	A	1121	F6C	MG-NA	8.97	2.23	2.05
15	a	1121	F6C	MG-NA	8.96	2.23	2.05
15	G	1121	F6C	MG-NA	8.96	2.23	2.05
15	H	1219	F6C	C1A-CHA	8.95	1.49	1.35
18	R	4020	BCR	C8-C9	-8.95	1.26	1.46
18	I	4020	BCR	C8-C9	-8.94	1.26	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	U	4019	BCR	C8-C9	-8.93	1.26	1.46
15	H	1238	F6C	MG-NA	8.92	2.23	2.05
18	i	4020	BCR	C8-C9	-8.92	1.26	1.46
15	b	1238	F6C	MG-NA	8.92	2.23	2.05
18	L	4019	BCR	C8-C9	-8.92	1.26	1.46
15	B	1238	F6C	MG-NA	8.91	2.23	2.05
18	l	4019	BCR	C8-C9	-8.89	1.26	1.46
18	a	4004	BCR	C8-C9	-8.86	1.27	1.46
18	A	4004	BCR	C8-C9	-8.84	1.27	1.46
18	G	4004	BCR	C8-C9	-8.81	1.27	1.46
18	B	4017	BCR	C8-C9	-8.70	1.27	1.46
18	b	4017	BCR	C8-C9	-8.70	1.27	1.46
18	H	4017	BCR	C8-C9	-8.70	1.27	1.46
18	m	4021	BCR	C8-C9	-8.68	1.27	1.46
18	l	4022	BCR	C8-C9	-8.68	1.27	1.46
18	M	4021	BCR	C8-C9	-8.68	1.27	1.46
18	V	4021	BCR	C8-C9	-8.68	1.27	1.46
18	L	4022	BCR	C8-C9	-8.64	1.27	1.46
18	U	4022	BCR	C8-C9	-8.63	1.27	1.46
18	H	4009	BCR	C8-C9	-8.61	1.27	1.46
18	a	4006	BCR	C8-C9	-8.59	1.27	1.46
18	B	4009	BCR	C8-C9	-8.59	1.27	1.46
18	A	4006	BCR	C8-C9	-8.59	1.27	1.46
18	G	4006	BCR	C8-C9	-8.58	1.27	1.46
18	G	4005	BCR	C8-C9	-8.56	1.27	1.46
18	b	4009	BCR	C8-C9	-8.56	1.27	1.46
18	a	4005	BCR	C8-C9	-8.56	1.27	1.46
18	A	4005	BCR	C8-C9	-8.55	1.27	1.46
18	A	4003	BCR	C8-C9	-8.53	1.27	1.46
18	a	4003	BCR	C8-C9	-8.53	1.27	1.46
15	b	1237	F6C	MG-NA	8.52	2.22	2.05
15	B	1237	F6C	MG-NA	8.51	2.22	2.05
18	G	4003	BCR	C8-C9	-8.51	1.27	1.46
15	H	1237	F6C	MG-NA	8.50	2.22	2.05
18	A	4001	BCR	C8-C9	-8.49	1.27	1.46
18	b	4006	BCR	C8-C9	-8.49	1.27	1.46
18	G	4001	BCR	C8-C9	-8.48	1.27	1.46
18	R	4018	BCR	C8-C9	-8.48	1.27	1.46
18	H	4006	BCR	C8-C9	-8.48	1.27	1.46
18	R	4020	BCR	C11-C10	-8.48	1.16	1.43
18	a	4001	BCR	C8-C9	-8.48	1.27	1.46
18	i	4018	BCR	C8-C9	-8.48	1.27	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	I	4018	BCR	C8-C9	-8.47	1.27	1.46
18	B	4006	BCR	C8-C9	-8.47	1.27	1.46
18	I	4020	BCR	C11-C10	-8.47	1.16	1.43
18	i	4020	BCR	C11-C10	-8.47	1.16	1.43
18	H	4004	BCR	C8-C9	-8.47	1.27	1.46
18	H	4010	BCR	C11-C10	-8.46	1.16	1.43
18	l	4019	BCR	C11-C10	-8.46	1.16	1.43
18	B	4010	BCR	C11-C10	-8.45	1.17	1.43
18	B	4004	BCR	C8-C9	-8.45	1.27	1.46
18	U	4019	BCR	C11-C10	-8.44	1.17	1.43
18	G	4004	BCR	C11-C10	-8.44	1.17	1.43
18	A	4004	BCR	C11-C10	-8.44	1.17	1.43
18	b	4010	BCR	C11-C10	-8.43	1.17	1.43
18	a	4004	BCR	C11-C10	-8.43	1.17	1.43
18	L	4019	BCR	C11-C10	-8.43	1.17	1.43
18	b	4004	BCR	C8-C9	-8.42	1.27	1.46
18	K	4001	BCR	C8-C9	-8.36	1.28	1.46
18	k	4001	BCR	C8-C9	-8.36	1.28	1.46
18	T	4001	BCR	C8-C9	-8.35	1.28	1.46
18	a	4003	BCR	C11-C10	-8.35	1.17	1.43
18	a	4005	BCR	C11-C10	-8.34	1.17	1.43
18	A	4003	BCR	C11-C10	-8.34	1.17	1.43
18	G	4003	BCR	C11-C10	-8.34	1.17	1.43
18	A	4005	BCR	C11-C10	-8.33	1.17	1.43
18	G	4005	BCR	C11-C10	-8.32	1.17	1.43
18	l	4022	BCR	C11-C10	-8.30	1.17	1.43
18	b	4010	BCR	C8-C9	-8.29	1.28	1.46
18	H	4010	BCR	C8-C9	-8.29	1.28	1.46
18	U	4022	BCR	C11-C10	-8.28	1.17	1.43
18	B	4010	BCR	C8-C9	-8.28	1.28	1.46
18	L	4022	BCR	C11-C10	-8.28	1.17	1.43
18	H	4017	BCR	C11-C10	-8.27	1.17	1.43
18	b	4017	BCR	C11-C10	-8.27	1.17	1.43
18	B	4017	BCR	C11-C10	-8.25	1.17	1.43
18	G	4002	BCR	C8-C9	-8.22	1.28	1.46
18	A	4002	BCR	C8-C9	-8.21	1.28	1.46
18	a	4002	BCR	C8-C9	-8.21	1.28	1.46
18	H	4014	BCR	C8-C9	-8.17	1.28	1.46
18	b	4014	BCR	C8-C9	-8.17	1.28	1.46
18	i	4018	BCR	C11-C10	-8.16	1.17	1.43
18	B	4014	BCR	C8-C9	-8.16	1.28	1.46
18	M	4021	BCR	C11-C10	-8.15	1.17	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	V	4021	BCR	C11-C10	-8.15	1.17	1.43
18	m	4021	BCR	C11-C10	-8.15	1.17	1.43
18	G	4006	BCR	C11-C10	-8.15	1.17	1.43
18	I	4018	BCR	C11-C10	-8.14	1.18	1.43
18	A	4006	BCR	C11-C10	-8.13	1.18	1.43
18	a	4006	BCR	C11-C10	-8.13	1.18	1.43
18	R	4018	BCR	C11-C10	-8.12	1.18	1.43
18	T	4001	BCR	C11-C10	-8.07	1.18	1.43
18	G	4001	BCR	C11-C10	-8.07	1.18	1.43
18	K	4001	BCR	C11-C10	-8.06	1.18	1.43
18	b	4005	BCR	C8-C9	-8.06	1.28	1.46
18	k	4001	BCR	C11-C10	-8.05	1.18	1.43
18	A	4001	BCR	C11-C10	-8.05	1.18	1.43
18	B	4005	BCR	C8-C9	-8.04	1.28	1.46
18	a	4001	BCR	C11-C10	-8.04	1.18	1.43
18	b	4005	BCR	C11-C10	-8.03	1.18	1.43
18	b	4009	BCR	C11-C10	-8.03	1.18	1.43
18	H	4005	BCR	C11-C10	-8.03	1.18	1.43
18	a	4002	BCR	C11-C10	-8.03	1.18	1.43
18	B	4005	BCR	C11-C10	-8.03	1.18	1.43
18	H	4005	BCR	C8-C9	-8.01	1.28	1.46
18	A	4002	BCR	C11-C10	-8.01	1.18	1.43
18	B	4009	BCR	C11-C10	-8.01	1.18	1.43
18	G	4002	BCR	C11-C10	-8.00	1.18	1.43
18	H	4009	BCR	C11-C10	-7.97	1.18	1.43
18	U	4019	BCR	C20-C21	-7.95	1.18	1.43
18	H	4014	BCR	C11-C10	-7.94	1.18	1.43
18	H	4006	BCR	C11-C10	-7.94	1.18	1.43
18	B	4006	BCR	C11-C10	-7.93	1.18	1.43
18	B	4014	BCR	C11-C10	-7.93	1.18	1.43
18	L	4019	BCR	C20-C21	-7.93	1.18	1.43
18	l	4019	BCR	C20-C21	-7.92	1.18	1.43
18	b	4006	BCR	C11-C10	-7.91	1.18	1.43
18	b	4014	BCR	C11-C10	-7.91	1.18	1.43
18	B	4004	BCR	C11-C10	-7.89	1.18	1.43
18	I	4020	BCR	C20-C21	-7.89	1.18	1.43
18	R	4020	BCR	C20-C21	-7.89	1.18	1.43
18	b	4004	BCR	C11-C10	-7.88	1.18	1.43
18	H	4004	BCR	C11-C10	-7.88	1.18	1.43
18	I	4020	BCR	C16-C17	-7.88	1.18	1.43
18	i	4020	BCR	C16-C17	-7.88	1.18	1.43
18	R	4020	BCR	C16-C17	-7.87	1.18	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	i	4020	BCR	C20-C21	-7.87	1.18	1.43
18	b	4010	BCR	C16-C17	-7.86	1.18	1.43
18	H	4010	BCR	C16-C17	-7.86	1.18	1.43
18	B	4010	BCR	C16-C17	-7.85	1.18	1.43
18	B	4017	BCR	C20-C21	-7.78	1.19	1.43
18	H	4017	BCR	C20-C21	-7.77	1.19	1.43
18	b	4017	BCR	C20-C21	-7.77	1.19	1.43
18	B	4017	BCR	C16-C17	-7.76	1.19	1.43
18	H	4017	BCR	C16-C17	-7.76	1.19	1.43
18	b	4017	BCR	C16-C17	-7.75	1.19	1.43
18	A	4003	BCR	C20-C21	-7.69	1.19	1.43
18	G	4003	BCR	C20-C21	-7.68	1.19	1.43
18	G	4005	BCR	C20-C21	-7.67	1.19	1.43
14	G	1139	CLA	MG-NA	7.67	2.24	2.06
18	A	4005	BCR	C20-C21	-7.67	1.19	1.43
18	a	4003	BCR	C20-C21	-7.67	1.19	1.43
18	l	4019	BCR	C16-C17	-7.67	1.19	1.43
14	k	1401	CLA	MG-NA	7.67	2.24	2.06
14	T	1401	CLA	MG-NA	7.67	2.24	2.06
18	L	4019	BCR	C16-C17	-7.66	1.19	1.43
14	a	1139	CLA	MG-NA	7.66	2.24	2.06
18	U	4019	BCR	C16-C17	-7.66	1.19	1.43
18	a	4005	BCR	C20-C21	-7.66	1.19	1.43
14	K	1401	CLA	MG-NA	7.66	2.24	2.06
18	G	4006	BCR	C20-C21	-7.66	1.19	1.43
18	l	4022	BCR	C16-C17	-7.66	1.19	1.43
18	U	4022	BCR	C16-C17	-7.65	1.19	1.43
18	H	4009	BCR	C20-C21	-7.65	1.19	1.43
14	A	1139	CLA	MG-NA	7.65	2.24	2.06
18	a	4006	BCR	C20-C21	-7.65	1.19	1.43
18	L	4022	BCR	C16-C17	-7.64	1.19	1.43
18	a	4005	BCR	C16-C17	-7.64	1.19	1.43
18	A	4006	BCR	C20-C21	-7.64	1.19	1.43
18	b	4009	BCR	C20-C21	-7.64	1.19	1.43
18	B	4009	BCR	C20-C21	-7.64	1.19	1.43
18	A	4005	BCR	C16-C17	-7.63	1.19	1.43
18	G	4005	BCR	C16-C17	-7.62	1.19	1.43
16	H	2002	PQN	C3-C2	7.60	1.48	1.35
14	A	1109	CLA	MG-NA	7.60	2.24	2.06
14	a	1109	CLA	MG-NA	7.60	2.24	2.06
14	b	1233	CLA	MG-NA	7.59	2.24	2.06
14	G	1141	CLA	MG-NA	7.59	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	2002	PQN	C3-C2	7.59	1.48	1.35
14	B	1233	CLA	MG-NA	7.58	2.24	2.06
14	A	1134	CLA	MG-NA	7.58	2.24	2.06
16	b	2002	PQN	C3-C2	7.58	1.48	1.35
14	G	1109	CLA	MG-NA	7.58	2.24	2.06
14	G	1134	CLA	MG-NA	7.58	2.24	2.06
14	a	1141	CLA	MG-NA	7.58	2.24	2.06
18	T	4001	BCR	C20-C21	-7.58	1.19	1.43
14	a	1134	CLA	MG-NA	7.57	2.24	2.06
18	U	4022	BCR	C20-C21	-7.57	1.19	1.43
14	H	1233	CLA	MG-NA	7.57	2.24	2.06
14	A	1141	CLA	MG-NA	7.57	2.24	2.06
18	L	4022	BCR	C20-C21	-7.56	1.19	1.43
18	K	4001	BCR	C20-C21	-7.56	1.19	1.43
18	k	4001	BCR	C20-C21	-7.56	1.19	1.43
18	l	4022	BCR	C20-C21	-7.55	1.19	1.43
14	b	1214	CLA	MG-NA	7.54	2.24	2.06
18	i	4018	BCR	C20-C21	-7.54	1.19	1.43
14	V	1501	CLA	MG-NA	7.54	2.24	2.06
18	I	4018	BCR	C20-C21	-7.53	1.19	1.43
14	a	1115	CLA	MG-NA	7.53	2.24	2.06
14	B	1214	CLA	MG-NA	7.52	2.24	2.06
14	H	1214	CLA	MG-NA	7.52	2.24	2.06
18	b	4010	BCR	C20-C21	-7.52	1.19	1.43
14	M	1501	CLA	MG-NA	7.52	2.24	2.06
14	b	1223	CLA	MG-NA	7.52	2.24	2.06
18	H	4010	BCR	C20-C21	-7.51	1.19	1.43
18	R	4018	BCR	C20-C21	-7.51	1.19	1.43
18	B	4010	BCR	C20-C21	-7.51	1.19	1.43
14	H	1223	CLA	MG-NA	7.51	2.24	2.06
18	H	4009	BCR	C16-C17	-7.50	1.19	1.43
18	a	4003	BCR	C16-C17	-7.50	1.19	1.43
14	B	1223	CLA	MG-NA	7.50	2.24	2.06
18	A	4003	BCR	C16-C17	-7.50	1.19	1.43
14	G	1115	CLA	MG-NA	7.49	2.24	2.06
14	m	1501	CLA	MG-NA	7.49	2.24	2.06
14	A	1115	CLA	MG-NA	7.49	2.24	2.06
14	A	1114	CLA	MG-NA	7.49	2.24	2.06
14	B	1232	CLA	MG-NA	7.49	2.24	2.06
18	a	4004	BCR	C16-C17	-7.49	1.20	1.43
14	G	1114	CLA	MG-NA	7.48	2.24	2.06
18	T	4001	BCR	C16-C17	-7.48	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1022	CLA	MG-NA	7.48	2.24	2.06
14	a	1101	CLA	MG-NA	7.48	2.24	2.06
14	H	1232	CLA	MG-NA	7.48	2.24	2.06
14	b	1022	CLA	MG-NA	7.48	2.24	2.06
14	a	1114	CLA	MG-NA	7.48	2.24	2.06
18	K	4001	BCR	C16-C17	-7.48	1.20	1.43
18	B	4009	BCR	C16-C17	-7.48	1.20	1.43
18	G	4003	BCR	C16-C17	-7.48	1.20	1.43
14	B	1022	CLA	MG-NA	7.47	2.24	2.06
18	A	4004	BCR	C16-C17	-7.47	1.20	1.43
14	b	1217	CLA	MG-NA	7.47	2.24	2.06
18	b	4009	BCR	C16-C17	-7.47	1.20	1.43
14	b	1232	CLA	MG-NA	7.47	2.24	2.06
14	B	1217	CLA	MG-NA	7.47	2.24	2.06
14	a	1111	CLA	MG-NA	7.46	2.24	2.06
18	G	4001	BCR	C20-C21	-7.46	1.20	1.43
14	H	1220	CLA	MG-NA	7.46	2.24	2.06
14	A	1135	CLA	MG-NA	7.46	2.24	2.06
14	B	1220	CLA	MG-NA	7.45	2.24	2.06
14	A	1101	CLA	MG-NA	7.45	2.24	2.06
14	H	1217	CLA	MG-NA	7.45	2.24	2.06
18	k	4001	BCR	C16-C17	-7.45	1.20	1.43
14	A	1140	CLA	MG-NA	7.45	2.24	2.06
14	G	1111	CLA	MG-NA	7.45	2.24	2.06
18	G	4006	BCR	C16-C17	-7.45	1.20	1.43
14	B	1209	CLA	MG-NA	7.45	2.24	2.06
18	G	4004	BCR	C16-C17	-7.44	1.20	1.43
18	a	4001	BCR	C20-C21	-7.44	1.20	1.43
14	G	1140	CLA	MG-NA	7.44	2.23	2.06
18	A	4001	BCR	C20-C21	-7.44	1.20	1.43
14	G	1101	CLA	MG-NA	7.44	2.23	2.06
14	G	1135	CLA	MG-NA	7.43	2.23	2.06
15	B	1207	F6C	C2A-C3A	7.43	1.52	1.36
14	a	1135	CLA	MG-NA	7.43	2.23	2.06
14	b	1209	CLA	MG-NA	7.43	2.23	2.06
15	b	1207	F6C	C2A-C3A	7.43	1.52	1.36
18	b	4004	BCR	C20-C21	-7.43	1.20	1.43
14	B	1240	CLA	MG-NA	7.43	2.23	2.06
14	a	1116	CLA	MG-NA	7.43	2.23	2.06
14	a	1140	CLA	MG-NA	7.43	2.23	2.06
18	a	4006	BCR	C16-C17	-7.43	1.20	1.43
14	H	1209	CLA	MG-NA	7.43	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1111	CLA	MG-NA	7.43	2.23	2.06
14	a	1113	CLA	MG-NA	7.43	2.23	2.06
14	H	1240	CLA	MG-NA	7.42	2.23	2.06
18	A	4006	BCR	C16-C17	-7.42	1.20	1.43
14	b	1240	CLA	MG-NA	7.42	2.23	2.06
18	H	4004	BCR	C20-C21	-7.42	1.20	1.43
14	G	1116	CLA	MG-NA	7.42	2.23	2.06
14	b	1220	CLA	MG-NA	7.42	2.23	2.06
18	B	4004	BCR	C20-C21	-7.42	1.20	1.43
14	A	1116	CLA	MG-NA	7.42	2.23	2.06
18	a	4004	BCR	C20-C21	-7.41	1.20	1.43
14	A	1107	CLA	MG-NA	7.41	2.23	2.06
14	b	1234	CLA	MG-NA	7.41	2.23	2.06
14	A	1113	CLA	MG-NA	7.41	2.23	2.06
14	G	1107	CLA	MG-NA	7.41	2.23	2.06
15	H	1207	F6C	C2A-C3A	7.41	1.52	1.36
18	A	4004	BCR	C20-C21	-7.40	1.20	1.43
15	B	1219	F6C	C2A-C3A	7.40	1.52	1.36
14	G	1123	CLA	MG-NA	7.40	2.23	2.06
14	B	1234	CLA	MG-NA	7.40	2.23	2.06
18	M	4021	BCR	C16-C17	-7.40	1.20	1.43
18	G	4004	BCR	C20-C21	-7.40	1.20	1.43
14	a	1123	CLA	MG-NA	7.39	2.23	2.06
14	G	1113	CLA	MG-NA	7.39	2.23	2.06
14	B	1221	CLA	MG-NA	7.39	2.23	2.06
14	A	1123	CLA	MG-NA	7.38	2.23	2.06
15	H	1219	F6C	C2A-C3A	7.38	1.52	1.36
14	a	1107	CLA	MG-NA	7.38	2.23	2.06
18	V	4021	BCR	C16-C17	-7.38	1.20	1.43
14	H	1221	CLA	MG-NA	7.38	2.23	2.06
14	H	1229	CLA	MG-NA	7.38	2.23	2.06
14	a	1130	CLA	MG-NA	7.38	2.23	2.06
16	G	2001	PQN	C3-C2	7.37	1.48	1.35
18	m	4021	BCR	C16-C17	-7.37	1.20	1.43
15	b	1219	F6C	C2A-C3A	7.37	1.52	1.36
18	b	4005	BCR	C20-C21	-7.37	1.20	1.43
14	b	1221	CLA	MG-NA	7.37	2.23	2.06
14	B	1229	CLA	MG-NA	7.37	2.23	2.06
16	a	2001	PQN	C3-C2	7.36	1.48	1.35
18	a	4002	BCR	C20-C21	-7.36	1.20	1.43
14	b	1229	CLA	MG-NA	7.35	2.23	2.06
14	H	1234	CLA	MG-NA	7.35	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	4002	BCR	C20-C21	-7.35	1.20	1.43
18	H	4005	BCR	C20-C21	-7.35	1.20	1.43
14	U	1501	CLA	MG-NA	7.35	2.23	2.06
14	A	1130	CLA	MG-NA	7.35	2.23	2.06
14	l	1501	CLA	MG-NA	7.34	2.23	2.06
16	A	2001	PQN	C3-C2	7.34	1.48	1.35
18	B	4005	BCR	C20-C21	-7.34	1.20	1.43
14	a	1102	CLA	MG-NA	7.34	2.23	2.06
14	G	1130	CLA	MG-NA	7.34	2.23	2.06
18	G	4002	BCR	C20-C21	-7.34	1.20	1.43
18	G	4002	BCR	C16-C17	-7.34	1.20	1.43
14	G	1102	CLA	MG-NA	7.34	2.23	2.06
18	A	4002	BCR	C16-C17	-7.33	1.20	1.43
14	L	1501	CLA	MG-NA	7.33	2.23	2.06
14	B	1228	CLA	MG-NA	7.33	2.23	2.06
14	A	1102	CLA	MG-NA	7.33	2.23	2.06
14	H	1212	CLA	MG-NA	7.33	2.23	2.06
14	H	1228	CLA	MG-NA	7.33	2.23	2.06
18	a	4002	BCR	C16-C17	-7.32	1.20	1.43
14	a	1108	CLA	MG-NA	7.31	2.23	2.06
14	B	1212	CLA	MG-NA	7.31	2.23	2.06
14	a	1105	CLA	MG-NA	7.31	2.23	2.06
14	G	1108	CLA	MG-NA	7.31	2.23	2.06
14	A	1105	CLA	MG-NA	7.30	2.23	2.06
14	G	1105	CLA	MG-NA	7.30	2.23	2.06
14	b	1228	CLA	MG-NA	7.30	2.23	2.06
14	b	1213	CLA	MG-NA	7.30	2.23	2.06
14	A	1136	CLA	MG-NA	7.30	2.23	2.06
14	A	1108	CLA	MG-NA	7.30	2.23	2.06
18	I	4018	BCR	C16-C17	-7.30	1.20	1.43
14	H	1213	CLA	MG-NA	7.30	2.23	2.06
14	G	1133	CLA	MG-NA	7.30	2.23	2.06
14	B	1213	CLA	MG-NA	7.30	2.23	2.06
14	A	1133	CLA	MG-NA	7.29	2.23	2.06
14	B	1236	CLA	MG-NA	7.29	2.23	2.06
14	b	1212	CLA	MG-NA	7.29	2.23	2.06
14	a	1136	CLA	MG-NA	7.29	2.23	2.06
14	G	1110	CLA	MG-NA	7.29	2.23	2.06
18	i	4018	BCR	C16-C17	-7.29	1.20	1.43
18	H	4004	BCR	C16-C17	-7.29	1.20	1.43
14	G	1136	CLA	MG-NA	7.29	2.23	2.06
14	a	1133	CLA	MG-NA	7.28	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1110	CLA	MG-NA	7.28	2.23	2.06
14	b	1236	CLA	MG-NA	7.27	2.23	2.06
18	R	4018	BCR	C16-C17	-7.27	1.20	1.43
14	a	1110	CLA	MG-NA	7.27	2.23	2.06
18	B	4004	BCR	C16-C17	-7.27	1.20	1.43
14	a	1129	CLA	MG-NA	7.27	2.23	2.06
14	H	1236	CLA	MG-NA	7.27	2.23	2.06
14	G	1138	CLA	MG-NA	7.26	2.23	2.06
14	b	1211	CLA	MG-NA	7.26	2.23	2.06
18	b	4004	BCR	C16-C17	-7.26	1.20	1.43
14	B	1211	CLA	MG-NA	7.26	2.23	2.06
15	H	1230	F6C	C2A-C3A	7.26	1.52	1.36
14	A	1138	CLA	MG-NA	7.25	2.23	2.06
18	H	4014	BCR	C20-C21	-7.25	1.20	1.43
18	b	4014	BCR	C20-C21	-7.25	1.20	1.43
14	H	1210	CLA	MG-NA	7.25	2.23	2.06
14	b	1210	CLA	MG-NA	7.25	2.23	2.06
14	A	1129	CLA	MG-NA	7.25	2.23	2.06
18	B	4006	BCR	C16-C17	-7.25	1.20	1.43
18	H	4006	BCR	C16-C17	-7.25	1.20	1.43
15	B	1230	F6C	C2A-C3A	7.24	1.52	1.36
14	H	1211	CLA	MG-NA	7.24	2.23	2.06
18	B	4014	BCR	C20-C21	-7.24	1.20	1.43
18	A	4001	BCR	C16-C17	-7.24	1.20	1.43
14	a	1138	CLA	MG-NA	7.23	2.23	2.06
14	B	1210	CLA	MG-NA	7.23	2.23	2.06
18	b	4005	BCR	C16-C17	-7.23	1.20	1.43
14	G	1129	CLA	MG-NA	7.23	2.23	2.06
18	b	4006	BCR	C16-C17	-7.23	1.20	1.43
15	b	1230	F6C	C2A-C3A	7.22	1.52	1.36
14	G	1118	CLA	MG-NA	7.22	2.23	2.06
14	B	1227	CLA	MG-NA	7.22	2.23	2.06
18	B	4005	BCR	C16-C17	-7.22	1.20	1.43
14	a	1012	CLA	MG-NA	7.22	2.23	2.06
14	a	1118	CLA	MG-NA	7.22	2.23	2.06
18	H	4005	BCR	C16-C17	-7.22	1.20	1.43
18	m	4021	BCR	C20-C21	-7.22	1.20	1.43
14	H	1227	CLA	MG-NA	7.22	2.23	2.06
18	G	4001	BCR	C16-C17	-7.22	1.20	1.43
14	b	1227	CLA	MG-NA	7.21	2.23	2.06
14	A	1118	CLA	MG-NA	7.21	2.23	2.06
18	a	4001	BCR	C16-C17	-7.21	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	1503	CLA	MG-NA	7.21	2.23	2.06
18	B	4006	BCR	C20-C21	-7.20	1.20	1.43
18	b	4014	BCR	C16-C17	-7.20	1.20	1.43
14	A	1012	CLA	MG-NA	7.20	2.23	2.06
14	G	1106	CLA	MG-NA	7.20	2.23	2.06
14	L	1503	CLA	MG-NA	7.20	2.23	2.06
18	H	4006	BCR	C20-C21	-7.20	1.20	1.43
18	V	4021	BCR	C20-C21	-7.19	1.20	1.43
18	M	4021	BCR	C20-C21	-7.19	1.20	1.43
14	a	1137	CLA	MG-NA	7.19	2.23	2.06
18	b	4006	BCR	C20-C21	-7.19	1.20	1.43
18	B	4014	BCR	C16-C17	-7.19	1.20	1.43
14	G	1012	CLA	MG-NA	7.18	2.23	2.06
18	H	4014	BCR	C16-C17	-7.18	1.20	1.43
14	B	1208	CLA	MG-NA	7.18	2.23	2.06
14	B	1216	CLA	MG-NA	7.18	2.23	2.06
14	b	1208	CLA	MG-NA	7.18	2.23	2.06
14	b	1216	CLA	MG-NA	7.18	2.23	2.06
14	H	1208	CLA	MG-NA	7.18	2.23	2.06
14	U	1503	CLA	MG-NA	7.17	2.23	2.06
14	H	1216	CLA	MG-NA	7.17	2.23	2.06
14	A	1106	CLA	MG-NA	7.17	2.23	2.06
14	b	1239	CLA	MG-NA	7.17	2.23	2.06
14	a	1106	CLA	MG-NA	7.17	2.23	2.06
14	G	1137	CLA	MG-NA	7.16	2.23	2.06
14	A	1137	CLA	MG-NA	7.16	2.23	2.06
14	G	1126	CLA	MG-NA	7.16	2.23	2.06
14	G	1112	CLA	MG-NA	7.16	2.23	2.06
14	a	1112	CLA	MG-NA	7.16	2.23	2.06
14	A	1119	CLA	MG-NA	7.15	2.23	2.06
14	B	1239	CLA	MG-NA	7.15	2.23	2.06
14	A	1127	CLA	MG-NA	7.15	2.23	2.06
14	A	1112	CLA	MG-NA	7.15	2.23	2.06
14	H	1224	CLA	MG-NA	7.15	2.23	2.06
14	G	1127	CLA	MG-NA	7.15	2.23	2.06
14	B	1224	CLA	MG-NA	7.14	2.23	2.06
14	a	1131	CLA	MG-NA	7.14	2.23	2.06
14	A	1131	CLA	MG-NA	7.14	2.23	2.06
14	a	1126	CLA	MG-NA	7.13	2.23	2.06
14	G	1131	CLA	MG-NA	7.13	2.23	2.06
14	a	1119	CLA	MG-NA	7.13	2.23	2.06
14	a	1127	CLA	MG-NA	7.13	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1126	CLA	MG-NA	7.13	2.23	2.06
14	G	1128	CLA	MG-NA	7.13	2.23	2.06
14	H	1239	CLA	MG-NA	7.13	2.23	2.06
14	G	1120	CLA	MG-NA	7.13	2.23	2.06
14	a	1120	CLA	MG-NA	7.12	2.23	2.06
15	B	1238	F6C	C2A-C3A	7.12	1.52	1.36
14	G	1119	CLA	MG-NA	7.12	2.23	2.06
14	A	1124	CLA	MG-NA	7.11	2.23	2.06
15	H	1238	F6C	C2A-C3A	7.11	1.52	1.36
14	A	1128	CLA	MG-NA	7.11	2.23	2.06
14	a	1125	CLA	MG-NA	7.11	2.23	2.06
14	G	1125	CLA	MG-NA	7.11	2.23	2.06
14	A	1120	CLA	MG-NA	7.11	2.23	2.06
14	B	1235	CLA	MG-NA	7.11	2.23	2.06
14	a	1128	CLA	MG-NA	7.11	2.23	2.06
14	b	1224	CLA	MG-NA	7.11	2.23	2.06
15	b	1238	F6C	C2A-C3A	7.10	1.52	1.36
14	b	1201	CLA	MG-NA	7.10	2.23	2.06
14	a	1124	CLA	MG-NA	7.10	2.23	2.06
14	G	1122	CLA	MG-NA	7.10	2.23	2.06
14	A	1122	CLA	MG-NA	7.09	2.23	2.06
14	G	1124	CLA	MG-NA	7.09	2.23	2.06
14	a	1122	CLA	MG-NA	7.09	2.23	2.06
14	B	1201	CLA	MG-NA	7.09	2.23	2.06
14	a	1132	CLA	MG-NA	7.09	2.23	2.06
14	b	1218	CLA	MG-NA	7.09	2.23	2.06
14	H	1235	CLA	MG-NA	7.09	2.23	2.06
14	H	1201	CLA	MG-NA	7.08	2.23	2.06
13	G	1011	CL0	MG-NA	7.08	2.23	2.06
14	b	1235	CLA	MG-NA	7.08	2.23	2.06
14	A	1125	CLA	MG-NA	7.08	2.23	2.06
14	G	1132	CLA	MG-NA	7.08	2.23	2.06
13	A	1011	CL0	MG-NA	7.08	2.23	2.06
14	B	1215	CLA	MG-NA	7.07	2.23	2.06
14	b	1215	CLA	MG-NA	7.07	2.23	2.06
14	H	1218	CLA	MG-NA	7.07	2.23	2.06
13	a	1011	CL0	MG-NA	7.07	2.23	2.06
14	B	1218	CLA	MG-NA	7.07	2.23	2.06
14	A	1132	CLA	MG-NA	7.06	2.23	2.06
14	H	1215	CLA	MG-NA	7.06	2.23	2.06
14	b	1204	CLA	MG-NA	7.05	2.23	2.06
14	B	1231	CLA	MG-NA	7.05	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1206	CLA	MG-NA	7.05	2.23	2.06
14	H	1231	CLA	MG-NA	7.04	2.23	2.06
15	G	1121	F6C	C2A-C3A	7.04	1.51	1.36
14	H	1205	CLA	MG-NA	7.03	2.23	2.06
14	b	1206	CLA	MG-NA	7.03	2.23	2.06
14	B	1204	CLA	MG-NA	7.03	2.23	2.06
15	a	1121	F6C	C2A-C3A	7.03	1.51	1.36
15	A	1121	F6C	C2A-C3A	7.02	1.51	1.36
14	B	1206	CLA	MG-NA	7.02	2.22	2.06
14	b	1231	CLA	MG-NA	7.02	2.22	2.06
14	b	1205	CLA	MG-NA	7.01	2.22	2.06
14	H	1222	CLA	MG-NA	7.01	2.22	2.06
14	B	1205	CLA	MG-NA	7.01	2.22	2.06
14	B	1222	CLA	MG-NA	7.00	2.22	2.06
14	B	1225	CLA	MG-NA	7.00	2.22	2.06
14	H	1204	CLA	MG-NA	7.00	2.22	2.06
14	b	1222	CLA	MG-NA	7.00	2.22	2.06
14	b	1203	CLA	MG-NA	6.98	2.22	2.06
14	b	1225	CLA	MG-NA	6.98	2.22	2.06
14	H	1225	CLA	MG-NA	6.98	2.22	2.06
14	B	1203	CLA	MG-NA	6.97	2.22	2.06
14	H	1226	CLA	MG-NA	6.96	2.22	2.06
14	B	1226	CLA	MG-NA	6.95	2.22	2.06
14	H	1203	CLA	MG-NA	6.95	2.22	2.06
14	l	1502	CLA	MG-NA	6.95	2.22	2.06
14	b	1226	CLA	MG-NA	6.94	2.22	2.06
14	L	1502	CLA	MG-NA	6.93	2.22	2.06
14	U	1502	CLA	MG-NA	6.93	2.22	2.06
14	B	1021	CLA	MG-NA	6.93	2.22	2.06
14	H	1021	CLA	MG-NA	6.92	2.22	2.06
14	G	1117	CLA	MG-NA	6.91	2.22	2.06
14	a	1117	CLA	MG-NA	6.91	2.22	2.06
14	A	1117	CLA	MG-NA	6.90	2.22	2.06
14	b	1021	CLA	MG-NA	6.89	2.22	2.06
14	B	1202	CLA	MG-NA	6.86	2.22	2.06
14	H	1202	CLA	MG-NA	6.86	2.22	2.06
14	b	1202	CLA	MG-NA	6.85	2.22	2.06
14	a	1104	CLA	MG-NA	6.77	2.22	2.06
14	A	1104	CLA	MG-NA	6.75	2.22	2.06
14	G	1104	CLA	MG-NA	6.74	2.22	2.06
14	A	1013	CLA	MG-NA	6.72	2.22	2.06
14	a	1013	CLA	MG-NA	6.72	2.22	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1013	CLA	MG-NA	6.72	2.22	2.06
14	G	1103	CLA	MG-NA	6.65	2.22	2.06
14	A	1103	CLA	MG-NA	6.61	2.22	2.06
14	a	1103	CLA	MG-NA	6.61	2.22	2.06
14	B	1023	CLA	MG-NA	6.56	2.21	2.06
14	b	1023	CLA	MG-NA	6.55	2.21	2.06
14	H	1023	CLA	MG-NA	6.54	2.21	2.06
15	H	1237	F6C	C2A-C3A	6.15	1.50	1.36
15	B	1237	F6C	C2A-C3A	6.12	1.50	1.36
15	b	1237	F6C	C2A-C3A	6.11	1.49	1.36
14	H	1221	CLA	O2A-C1	5.54	1.61	1.46
14	b	1221	CLA	O2A-C1	5.53	1.61	1.46
14	B	1221	CLA	O2A-C1	5.52	1.61	1.46
14	a	1118	CLA	O2A-C1	5.47	1.60	1.46
14	A	1123	CLA	O2A-C1	5.45	1.60	1.46
14	G	1123	CLA	O2A-C1	5.45	1.60	1.46
14	a	1123	CLA	O2A-C1	5.45	1.60	1.46
14	G	1118	CLA	O2A-C1	5.44	1.60	1.46
14	A	1118	CLA	O2A-C1	5.43	1.60	1.46
14	H	1234	CLA	O2A-C1	5.42	1.60	1.46
14	A	1133	CLA	O2A-C1	5.42	1.60	1.46
14	b	1228	CLA	O2A-C1	5.42	1.60	1.46
14	a	1133	CLA	O2A-C1	5.41	1.60	1.46
14	a	1013	CLA	O2A-C1	5.41	1.60	1.46
14	G	1133	CLA	O2A-C1	5.41	1.60	1.46
14	G	1140	CLA	O2A-C1	5.41	1.60	1.46
14	B	1234	CLA	O2A-C1	5.40	1.60	1.46
14	H	1240	CLA	O2A-C1	5.40	1.60	1.46
14	b	1225	CLA	O2A-C1	5.39	1.60	1.46
14	B	1240	CLA	O2A-C1	5.39	1.60	1.46
14	H	1228	CLA	O2A-C1	5.39	1.60	1.46
14	A	1140	CLA	O2A-C1	5.39	1.60	1.46
14	B	1225	CLA	O2A-C1	5.39	1.60	1.46
14	B	1228	CLA	O2A-C1	5.39	1.60	1.46
14	H	1225	CLA	O2A-C1	5.39	1.60	1.46
14	A	1013	CLA	O2A-C1	5.39	1.60	1.46
14	G	1013	CLA	O2A-C1	5.38	1.60	1.46
14	b	1240	CLA	O2A-C1	5.38	1.60	1.46
14	b	1234	CLA	O2A-C1	5.37	1.60	1.46
14	a	1140	CLA	O2A-C1	5.37	1.60	1.46
15	b	1219	F6C	O2A-C1	5.35	1.60	1.46
14	b	1211	CLA	O2A-C1	5.35	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	H	1219	F6C	O2A-C1	5.35	1.60	1.46
14	B	1211	CLA	O2A-C1	5.34	1.60	1.46
15	B	1219	F6C	O2A-C1	5.33	1.60	1.46
14	B	1229	CLA	O2A-C1	5.33	1.60	1.46
14	H	1211	CLA	O2A-C1	5.33	1.60	1.46
14	H	1229	CLA	O2A-C1	5.32	1.60	1.46
14	a	1131	CLA	O2A-C1	5.32	1.60	1.46
14	b	1229	CLA	O2A-C1	5.32	1.60	1.46
14	b	1214	CLA	O2A-C1	5.32	1.60	1.46
14	G	1131	CLA	O2A-C1	5.32	1.60	1.46
14	H	1216	CLA	O2A-C1	5.32	1.60	1.46
14	G	1112	CLA	O2A-C1	5.31	1.60	1.46
14	H	1214	CLA	O2A-C1	5.31	1.60	1.46
14	A	1131	CLA	O2A-C1	5.31	1.60	1.46
14	G	1116	CLA	O2A-C1	5.31	1.60	1.46
14	A	1112	CLA	O2A-C1	5.30	1.60	1.46
14	B	1216	CLA	O2A-C1	5.30	1.60	1.46
14	B	1214	CLA	O2A-C1	5.30	1.60	1.46
14	G	1109	CLA	O2A-C1	5.30	1.60	1.46
14	b	1216	CLA	O2A-C1	5.30	1.60	1.46
14	A	1109	CLA	O2A-C1	5.29	1.60	1.46
14	a	1109	CLA	O2A-C1	5.29	1.60	1.46
14	A	1116	CLA	O2A-C1	5.29	1.60	1.46
14	U	1503	CLA	O2A-C1	5.28	1.60	1.46
14	a	1103	CLA	O2A-C1	5.28	1.60	1.46
14	a	1119	CLA	O2A-C1	5.28	1.60	1.46
14	a	1112	CLA	O2A-C1	5.28	1.60	1.46
14	H	1208	CLA	O2A-C1	5.28	1.60	1.46
14	H	1236	CLA	O2A-C1	5.28	1.60	1.46
14	G	1119	CLA	O2A-C1	5.28	1.60	1.46
14	B	1208	CLA	O2A-C1	5.27	1.60	1.46
14	B	1236	CLA	O2A-C1	5.27	1.60	1.46
14	b	1208	CLA	O2A-C1	5.27	1.60	1.46
14	b	1236	CLA	O2A-C1	5.27	1.60	1.46
14	A	1119	CLA	O2A-C1	5.27	1.60	1.46
14	a	1116	CLA	O2A-C1	5.27	1.60	1.46
14	G	1128	CLA	O2A-C1	5.26	1.60	1.46
14	G	1125	CLA	O2A-C1	5.26	1.60	1.46
14	A	1103	CLA	O2A-C1	5.26	1.60	1.46
14	G	1103	CLA	O2A-C1	5.25	1.60	1.46
14	b	1205	CLA	O2A-C1	5.25	1.60	1.46
14	G	1115	CLA	O2A-C1	5.25	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1205	CLA	O2A-C1	5.25	1.60	1.46
14	H	1231	CLA	O2A-C1	5.24	1.60	1.46
14	A	1115	CLA	O2A-C1	5.24	1.60	1.46
14	A	1125	CLA	O2A-C1	5.24	1.60	1.46
14	H	1240	CLA	O2D-CGD	5.24	1.46	1.33
14	H	1205	CLA	O2A-C1	5.24	1.60	1.46
14	L	1503	CLA	O2A-C1	5.24	1.60	1.46
14	l	1503	CLA	O2A-C1	5.24	1.60	1.46
14	G	1136	CLA	O2A-C1	5.24	1.60	1.46
14	b	1223	CLA	O2A-C1	5.23	1.60	1.46
14	b	1240	CLA	O2D-CGD	5.23	1.46	1.33
14	A	1128	CLA	O2A-C1	5.23	1.60	1.46
14	B	1240	CLA	O2D-CGD	5.23	1.46	1.33
14	B	1231	CLA	O2A-C1	5.23	1.60	1.46
14	G	1126	CLA	O2A-C1	5.22	1.60	1.46
14	a	1128	CLA	O2A-C1	5.22	1.60	1.46
14	B	1223	CLA	O2A-C1	5.22	1.60	1.46
15	b	1207	F6C	O2A-C1	5.22	1.60	1.46
14	a	1136	CLA	O2A-C1	5.22	1.60	1.46
14	G	1138	CLA	O2A-C1	5.22	1.60	1.46
14	a	1115	CLA	O2A-C1	5.22	1.60	1.46
14	H	1223	CLA	O2A-C1	5.21	1.60	1.46
14	A	1136	CLA	O2A-C1	5.21	1.60	1.46
14	b	1226	CLA	O2A-C1	5.21	1.60	1.46
14	A	1102	CLA	O2A-C1	5.21	1.60	1.46
15	H	1207	F6C	O2A-C1	5.21	1.60	1.46
14	a	1102	CLA	O2A-C1	5.21	1.60	1.46
15	b	1230	F6C	O2D-CGD	5.21	1.46	1.33
14	A	1126	CLA	O2A-C1	5.21	1.60	1.46
14	a	1122	CLA	O2A-C1	5.21	1.60	1.46
15	B	1207	F6C	O2A-C1	5.21	1.60	1.46
14	a	1125	CLA	O2A-C1	5.20	1.60	1.46
14	b	1231	CLA	O2A-C1	5.20	1.60	1.46
14	a	1138	CLA	O2A-C1	5.20	1.60	1.46
14	M	1501	CLA	O2A-C1	5.20	1.60	1.46
14	A	1138	CLA	O2A-C1	5.20	1.60	1.46
14	b	1220	CLA	O2A-C1	5.20	1.60	1.46
14	m	1501	CLA	O2A-C1	5.20	1.60	1.46
14	H	1220	CLA	O2A-C1	5.20	1.60	1.46
14	B	1226	CLA	O2A-C1	5.20	1.60	1.46
14	G	1130	CLA	O2A-C1	5.20	1.60	1.46
14	G	1102	CLA	O2A-C1	5.20	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1137	CLA	O2A-C1	5.20	1.60	1.46
14	A	1122	CLA	O2A-C1	5.19	1.60	1.46
14	B	1220	CLA	O2A-C1	5.19	1.60	1.46
15	H	1230	F6C	O2D-CGD	5.19	1.46	1.33
14	a	1138	CLA	O2D-CGD	5.19	1.46	1.33
15	B	1230	F6C	O2D-CGD	5.19	1.46	1.33
14	A	1130	CLA	O2A-C1	5.19	1.60	1.46
14	V	1501	CLA	O2A-C1	5.19	1.60	1.46
14	H	1226	CLA	O2A-C1	5.19	1.60	1.46
14	A	1137	CLA	O2A-C1	5.19	1.60	1.46
14	G	1122	CLA	O2A-C1	5.19	1.60	1.46
14	a	1137	CLA	O2A-C1	5.19	1.60	1.46
14	B	1204	CLA	O2A-C1	5.18	1.60	1.46
14	a	1130	CLA	O2A-C1	5.18	1.60	1.46
14	a	1126	CLA	O2A-C1	5.18	1.60	1.46
14	G	1129	CLA	O2A-C1	5.17	1.60	1.46
14	k	1401	CLA	O2D-CGD	5.17	1.45	1.33
14	b	1202	CLA	O2A-C1	5.17	1.60	1.46
14	A	1138	CLA	O2D-CGD	5.17	1.45	1.33
14	b	1224	CLA	O2A-C1	5.17	1.60	1.46
14	G	1138	CLA	O2D-CGD	5.17	1.45	1.33
14	H	1204	CLA	O2A-C1	5.17	1.60	1.46
14	A	1129	CLA	O2A-C1	5.16	1.60	1.46
14	a	1132	CLA	O2A-C1	5.16	1.60	1.46
14	a	1129	CLA	O2A-C1	5.16	1.60	1.46
14	b	1204	CLA	O2A-C1	5.16	1.60	1.46
14	A	1104	CLA	O2A-C1	5.16	1.60	1.46
14	H	1202	CLA	O2A-C1	5.15	1.60	1.46
14	H	1224	CLA	O2A-C1	5.15	1.60	1.46
14	G	1104	CLA	O2A-C1	5.15	1.60	1.46
14	U	1502	CLA	O2A-C1	5.15	1.60	1.46
14	a	1104	CLA	O2A-C1	5.15	1.60	1.46
14	B	1202	CLA	O2A-C1	5.15	1.60	1.46
14	b	1233	CLA	O2D-CGD	5.15	1.45	1.33
14	G	1132	CLA	O2A-C1	5.14	1.60	1.46
14	b	1206	CLA	O2A-C1	5.14	1.60	1.46
14	B	1206	CLA	O2A-C1	5.14	1.60	1.46
14	H	1206	CLA	O2A-C1	5.14	1.60	1.46
14	B	1233	CLA	O2D-CGD	5.14	1.45	1.33
14	a	1111	CLA	O2A-C1	5.14	1.60	1.46
14	A	1132	CLA	O2A-C1	5.14	1.60	1.46
14	K	1401	CLA	O2D-CGD	5.14	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1224	CLA	O2A-C1	5.14	1.60	1.46
14	l	1502	CLA	O2A-C1	5.13	1.59	1.46
14	H	1233	CLA	O2D-CGD	5.13	1.45	1.33
14	L	1502	CLA	O2A-C1	5.13	1.59	1.46
14	B	1235	CLA	O2A-C1	5.12	1.59	1.46
14	A	1114	CLA	O2D-CGD	5.12	1.45	1.33
14	T	1401	CLA	O2D-CGD	5.12	1.45	1.33
14	A	1111	CLA	O2A-C1	5.12	1.59	1.46
14	G	1114	CLA	O2D-CGD	5.12	1.45	1.33
14	b	1235	CLA	O2A-C1	5.11	1.59	1.46
14	H	1235	CLA	O2A-C1	5.11	1.59	1.46
15	b	1238	F6C	O2A-C1	5.11	1.59	1.46
14	G	1111	CLA	O2A-C1	5.11	1.59	1.46
14	a	1117	CLA	O2A-C1	5.10	1.59	1.46
14	b	1215	CLA	O2A-C1	5.10	1.59	1.46
14	A	1117	CLA	O2A-C1	5.10	1.59	1.46
14	G	1117	CLA	O2A-C1	5.10	1.59	1.46
14	a	1114	CLA	O2D-CGD	5.09	1.45	1.33
14	H	1218	CLA	O2D-CGD	5.09	1.45	1.33
15	B	1238	F6C	O2A-C1	5.08	1.59	1.46
14	b	1203	CLA	O2A-C1	5.08	1.59	1.46
14	B	1218	CLA	O2D-CGD	5.08	1.45	1.33
14	B	1215	CLA	O2A-C1	5.08	1.59	1.46
14	G	1119	CLA	O2D-CGD	5.08	1.45	1.33
15	H	1238	F6C	O2A-C1	5.07	1.59	1.46
14	b	1218	CLA	O2D-CGD	5.07	1.45	1.33
14	H	1203	CLA	O2A-C1	5.06	1.59	1.46
14	H	1215	CLA	O2A-C1	5.06	1.59	1.46
14	B	1203	CLA	O2A-C1	5.05	1.59	1.46
14	A	1102	CLA	O2D-CGD	5.05	1.45	1.33
14	a	1119	CLA	O2D-CGD	5.04	1.45	1.33
13	A	1011	CL0	O2A-C1	5.04	1.59	1.46
14	A	1119	CLA	O2D-CGD	5.04	1.45	1.33
18	i	4020	BCR	C10-C9	-5.04	1.24	1.35
14	G	1109	CLA	O2D-CGD	5.04	1.45	1.33
14	G	1102	CLA	O2D-CGD	5.03	1.45	1.33
14	a	1102	CLA	O2D-CGD	5.03	1.45	1.33
13	a	1011	CL0	O2A-C1	5.03	1.59	1.46
13	G	1011	CL0	O2A-C1	5.03	1.59	1.46
15	H	1237	F6C	O2A-C1	5.03	1.59	1.46
14	a	1124	CLA	O2A-C1	5.02	1.59	1.46
18	I	4020	BCR	C10-C9	-5.02	1.24	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1109	CLA	O2D-CGD	5.02	1.45	1.33
14	H	1232	CLA	O2D-CGD	5.02	1.45	1.33
14	A	1124	CLA	O2A-C1	5.02	1.59	1.46
15	b	1219	F6C	O2D-CGD	5.02	1.45	1.33
14	G	1106	CLA	O2A-C1	5.02	1.59	1.46
14	G	1112	CLA	O2D-CGD	5.02	1.45	1.33
14	G	1124	CLA	O2A-C1	5.02	1.59	1.46
15	B	1237	F6C	O2A-C1	5.02	1.59	1.46
18	R	4020	BCR	C10-C9	-5.01	1.24	1.35
15	b	1237	F6C	O2A-C1	5.01	1.59	1.46
14	a	1112	CLA	O2D-CGD	5.01	1.45	1.33
14	A	1108	CLA	O2D-CGD	5.01	1.45	1.33
14	A	1106	CLA	O2A-C1	5.00	1.59	1.46
14	a	1109	CLA	O2D-CGD	5.00	1.45	1.33
14	a	1135	CLA	O2A-C1	5.00	1.59	1.46
14	A	1112	CLA	O2D-CGD	5.00	1.45	1.33
15	B	1219	F6C	O2D-CGD	5.00	1.45	1.33
14	B	1232	CLA	O2D-CGD	5.00	1.45	1.33
14	B	1214	CLA	O2D-CGD	4.99	1.45	1.33
14	a	1108	CLA	O2D-CGD	4.99	1.45	1.33
18	G	4004	BCR	C10-C9	-4.99	1.24	1.35
14	b	1214	CLA	O2D-CGD	4.99	1.45	1.33
14	a	1106	CLA	O2A-C1	4.99	1.59	1.46
14	A	1135	CLA	O2A-C1	4.99	1.59	1.46
14	G	1108	CLA	O2D-CGD	4.99	1.45	1.33
15	H	1219	F6C	O2D-CGD	4.99	1.45	1.33
14	A	1127	CLA	O2A-C1	4.98	1.59	1.46
18	A	4004	BCR	C10-C9	-4.98	1.24	1.35
14	b	1232	CLA	O2D-CGD	4.98	1.45	1.33
14	b	1239	CLA	C3C-C2C	4.98	1.47	1.36
14	H	1214	CLA	O2D-CGD	4.98	1.45	1.33
14	G	1135	CLA	O2A-C1	4.98	1.59	1.46
14	B	1239	CLA	C3C-C2C	4.98	1.47	1.36
14	H	1239	CLA	C3C-C2C	4.98	1.47	1.36
14	b	1213	CLA	O2D-CGD	4.98	1.45	1.33
18	a	4004	BCR	C10-C9	-4.98	1.24	1.35
14	a	1127	CLA	O2A-C1	4.97	1.59	1.46
14	G	1127	CLA	O2A-C1	4.97	1.59	1.46
18	B	4010	BCR	C10-C9	-4.97	1.24	1.35
14	a	1130	CLA	O2D-CGD	4.97	1.45	1.33
14	a	1133	CLA	O2D-CGD	4.96	1.45	1.33
14	A	1133	CLA	O2D-CGD	4.96	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	b	4010	BCR	C10-C9	-4.96	1.24	1.35
14	B	1213	CLA	O2D-CGD	4.96	1.45	1.33
14	G	1130	CLA	O2D-CGD	4.96	1.45	1.33
14	G	1101	CLA	O2D-CGD	4.95	1.45	1.33
14	V	1501	CLA	O2D-CGD	4.95	1.45	1.33
14	H	1213	CLA	O2D-CGD	4.95	1.45	1.33
14	G	1105	CLA	O2D-CGD	4.95	1.45	1.33
14	H	1023	CLA	O2A-C1	4.95	1.59	1.46
14	G	1133	CLA	O2D-CGD	4.95	1.45	1.33
14	b	1023	CLA	O2A-C1	4.95	1.59	1.46
14	U	1501	CLA	C3D-C4D	-4.94	1.33	1.44
18	H	4010	BCR	C10-C9	-4.94	1.24	1.35
14	A	1105	CLA	O2D-CGD	4.94	1.45	1.33
15	b	1237	F6C	O2D-CGD	4.94	1.45	1.33
14	B	1023	CLA	O2A-C1	4.94	1.59	1.46
14	b	1239	CLA	O2D-CGD	4.94	1.45	1.33
14	A	1130	CLA	O2D-CGD	4.94	1.45	1.33
14	G	1012	CLA	O2A-C1	4.94	1.59	1.46
14	A	1102	CLA	CHC-C1C	4.93	1.48	1.38
14	M	1501	CLA	O2D-CGD	4.93	1.45	1.33
14	a	1105	CLA	O2D-CGD	4.93	1.45	1.33
14	A	1012	CLA	O2A-C1	4.93	1.59	1.46
14	G	1123	CLA	O2D-CGD	4.93	1.45	1.33
15	B	1237	F6C	O2D-CGD	4.93	1.45	1.33
14	L	1501	CLA	C3D-C4D	-4.93	1.33	1.44
15	H	1238	F6C	O2D-CGD	4.92	1.45	1.33
15	b	1230	F6C	CHC-C4B	4.92	1.48	1.38
15	b	1238	F6C	O2D-CGD	4.92	1.45	1.33
14	l	1501	CLA	C3D-C4D	-4.92	1.33	1.44
14	a	1102	CLA	CHC-C1C	4.92	1.48	1.38
14	A	1123	CLA	O2D-CGD	4.92	1.45	1.33
14	a	1123	CLA	O2D-CGD	4.92	1.45	1.33
15	B	1238	F6C	O2D-CGD	4.92	1.45	1.33
14	A	1101	CLA	O2D-CGD	4.92	1.45	1.33
14	B	1211	CLA	CHC-C1C	4.92	1.48	1.38
14	m	1501	CLA	O2D-CGD	4.92	1.45	1.33
14	G	1102	CLA	CHC-C1C	4.92	1.48	1.38
14	a	1012	CLA	O2A-C1	4.92	1.59	1.46
14	A	1106	CLA	O2D-CGD	4.92	1.45	1.33
14	H	1239	CLA	O2D-CGD	4.91	1.45	1.33
14	a	1101	CLA	O2D-CGD	4.91	1.45	1.33
14	B	1239	CLA	O2D-CGD	4.91	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	1230	F6C	CHC-C4B	4.91	1.48	1.38
14	A	1139	CLA	O2D-CGD	4.91	1.45	1.33
14	b	1211	CLA	CHC-C1C	4.91	1.48	1.38
15	H	1230	F6C	CHC-C4B	4.91	1.48	1.38
14	G	1106	CLA	O2D-CGD	4.91	1.45	1.33
15	H	1237	F6C	O2D-CGD	4.91	1.45	1.33
14	B	1021	CLA	O2A-C1	4.90	1.59	1.46
14	A	1126	CLA	O2D-CGD	4.90	1.45	1.33
14	a	1126	CLA	O2D-CGD	4.90	1.45	1.33
14	H	1021	CLA	O2A-C1	4.90	1.59	1.46
14	b	1021	CLA	O2A-C1	4.90	1.59	1.46
14	a	1106	CLA	O2D-CGD	4.90	1.45	1.33
14	a	1012	CLA	C3D-C4D	-4.89	1.33	1.44
14	G	1139	CLA	O2D-CGD	4.89	1.45	1.33
14	G	1126	CLA	O2D-CGD	4.89	1.45	1.33
14	A	1120	CLA	O2D-CGD	4.89	1.45	1.33
14	A	1012	CLA	C3D-C4D	-4.89	1.33	1.44
14	G	1110	CLA	O2D-CGD	4.88	1.45	1.33
14	a	1139	CLA	O2D-CGD	4.88	1.45	1.33
14	H	1210	CLA	O2A-C1	4.88	1.59	1.46
14	H	1211	CLA	CHC-C1C	4.88	1.48	1.38
15	G	1121	F6C	O2D-CGD	4.88	1.45	1.33
14	a	1120	CLA	O2D-CGD	4.87	1.45	1.33
15	A	1121	F6C	O2D-CGD	4.87	1.45	1.33
15	a	1121	F6C	O2D-CGD	4.87	1.45	1.33
14	H	1228	CLA	O2D-CGD	4.87	1.45	1.33
14	G	1012	CLA	C3D-C4D	-4.87	1.33	1.44
14	G	1127	CLA	O2D-CGD	4.87	1.45	1.33
14	G	1120	CLA	O2D-CGD	4.87	1.45	1.33
14	b	1210	CLA	O2A-C1	4.87	1.59	1.46
14	A	1110	CLA	O2D-CGD	4.86	1.45	1.33
14	A	1127	CLA	O2D-CGD	4.86	1.45	1.33
14	a	1127	CLA	O2D-CGD	4.86	1.45	1.33
14	G	1116	CLA	O2D-CGD	4.86	1.45	1.33
14	b	1228	CLA	O2D-CGD	4.86	1.45	1.33
14	B	1210	CLA	O2A-C1	4.86	1.59	1.46
18	a	4005	BCR	C10-C9	-4.86	1.24	1.35
18	L	4019	BCR	C10-C9	-4.86	1.24	1.35
18	A	4005	BCR	C10-C9	-4.86	1.24	1.35
14	a	1110	CLA	O2D-CGD	4.86	1.45	1.33
14	b	1201	CLA	O2A-C1	4.85	1.59	1.46
14	a	1116	CLA	O2D-CGD	4.85	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1228	CLA	O2D-CGD	4.85	1.45	1.33
18	U	4019	BCR	C10-C9	-4.85	1.24	1.35
14	G	1115	CLA	O2D-CGD	4.85	1.45	1.33
18	l	4019	BCR	C10-C9	-4.85	1.24	1.35
14	A	1116	CLA	O2D-CGD	4.85	1.45	1.33
14	b	1216	CLA	O2D-CGD	4.85	1.45	1.33
14	B	1201	CLA	O2A-C1	4.85	1.59	1.46
14	B	1216	CLA	O2D-CGD	4.85	1.45	1.33
14	H	1216	CLA	O2D-CGD	4.84	1.45	1.33
14	A	1115	CLA	O2D-CGD	4.84	1.45	1.33
14	A	1113	CLA	O2D-CGD	4.84	1.45	1.33
14	a	1115	CLA	O2D-CGD	4.84	1.45	1.33
18	G	4005	BCR	C10-C9	-4.84	1.24	1.35
14	H	1239	CLA	O2A-C1	4.83	1.59	1.46
14	b	1221	CLA	O2D-CGD	4.83	1.45	1.33
14	b	1226	CLA	C3C-C2C	4.83	1.47	1.36
14	H	1201	CLA	O2A-C1	4.83	1.59	1.46
14	H	1221	CLA	O2D-CGD	4.82	1.45	1.33
18	B	4017	BCR	C10-C9	-4.82	1.24	1.35
14	H	1208	CLA	O2D-CGD	4.82	1.45	1.33
14	G	1118	CLA	O2D-CGD	4.82	1.45	1.33
14	G	1135	CLA	C3D-C4D	-4.82	1.33	1.44
14	A	1135	CLA	C3D-C4D	-4.82	1.33	1.44
14	B	1221	CLA	O2D-CGD	4.81	1.45	1.33
14	G	1113	CLA	O2D-CGD	4.81	1.45	1.33
14	B	1239	CLA	O2A-C1	4.81	1.59	1.46
14	a	1113	CLA	O2D-CGD	4.81	1.45	1.33
14	b	1239	CLA	O2A-C1	4.81	1.59	1.46
14	b	1208	CLA	O2D-CGD	4.80	1.45	1.33
14	B	1225	CLA	O2D-CGD	4.80	1.45	1.33
14	b	1225	CLA	O2D-CGD	4.80	1.45	1.33
14	B	1208	CLA	O2D-CGD	4.80	1.45	1.33
13	a	1011	CL0	C1D-ND	-4.80	1.31	1.37
18	H	4017	BCR	C10-C9	-4.80	1.24	1.35
14	H	1203	CLA	O2D-CGD	4.80	1.45	1.33
14	B	1222	CLA	O2D-CGD	4.80	1.45	1.33
14	A	1118	CLA	O2D-CGD	4.80	1.45	1.33
14	b	1222	CLA	O2A-C1	4.80	1.59	1.46
14	a	1125	CLA	C3D-C4D	-4.80	1.33	1.44
14	a	1140	CLA	O2D-CGD	4.80	1.45	1.33
14	a	1135	CLA	C3D-C4D	-4.80	1.33	1.44
14	b	1203	CLA	O2D-CGD	4.80	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1203	CLA	O2D-CGD	4.79	1.45	1.33
14	B	1222	CLA	O2A-C1	4.79	1.59	1.46
14	b	1222	CLA	O2D-CGD	4.79	1.45	1.33
13	A	1011	CL0	C1D-ND	-4.79	1.31	1.37
18	b	4017	BCR	C10-C9	-4.79	1.24	1.35
14	B	1226	CLA	C3C-C2C	4.79	1.47	1.36
14	H	1222	CLA	O2A-C1	4.79	1.59	1.46
14	H	1225	CLA	O2D-CGD	4.79	1.45	1.33
13	G	1011	CL0	C1D-ND	-4.79	1.31	1.37
14	a	1013	CLA	C1D-ND	-4.79	1.31	1.37
14	a	1104	CLA	O2D-CGD	4.79	1.45	1.33
14	H	1204	CLA	O2D-CGD	4.79	1.45	1.33
14	A	1140	CLA	O2D-CGD	4.79	1.45	1.33
14	a	1118	CLA	O2D-CGD	4.78	1.45	1.33
14	A	1125	CLA	C3D-C4D	-4.78	1.33	1.44
14	G	1128	CLA	C3C-C2C	4.78	1.47	1.36
14	G	1125	CLA	C3D-C4D	-4.78	1.33	1.44
14	H	1201	CLA	CHC-C1C	4.78	1.48	1.38
14	B	1204	CLA	O2D-CGD	4.78	1.45	1.33
14	H	1021	CLA	C1D-ND	-4.78	1.31	1.37
14	H	1222	CLA	O2D-CGD	4.78	1.45	1.33
14	b	1204	CLA	O2D-CGD	4.77	1.45	1.33
14	B	1215	CLA	O2D-CGD	4.77	1.45	1.33
14	G	1013	CLA	C1D-ND	-4.77	1.31	1.37
14	A	1104	CLA	O2D-CGD	4.77	1.45	1.33
14	B	1021	CLA	C1D-ND	-4.77	1.31	1.37
14	H	1234	CLA	O2D-CGD	4.77	1.45	1.33
14	H	1226	CLA	C3C-C2C	4.77	1.47	1.36
14	a	1128	CLA	C3C-C2C	4.77	1.47	1.36
14	G	1104	CLA	O2D-CGD	4.77	1.44	1.33
14	b	1021	CLA	C1D-ND	-4.77	1.31	1.37
14	A	1113	CLA	CHC-C1C	4.76	1.48	1.38
14	G	1113	CLA	CHC-C1C	4.76	1.48	1.38
14	b	1214	CLA	C3D-C4D	-4.76	1.33	1.44
14	A	1128	CLA	C3C-C2C	4.76	1.47	1.36
14	H	1213	CLA	CHC-C1C	4.76	1.48	1.38
14	a	1113	CLA	CHC-C1C	4.76	1.48	1.38
14	b	1227	CLA	O2D-CGD	4.75	1.44	1.33
14	b	1022	CLA	CHC-C1C	4.75	1.48	1.38
14	U	1502	CLA	C3D-C4D	-4.75	1.33	1.44
14	B	1022	CLA	O2A-C1	4.75	1.58	1.46
14	b	1022	CLA	O2A-C1	4.75	1.58	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1215	CLA	O2D-CGD	4.75	1.44	1.33
14	H	1215	CLA	O2D-CGD	4.75	1.44	1.33
14	A	1013	CLA	C1D-ND	-4.75	1.31	1.37
14	b	1201	CLA	CHC-C1C	4.74	1.48	1.38
14	B	1214	CLA	C3D-C4D	-4.74	1.33	1.44
14	B	1227	CLA	O2D-CGD	4.74	1.44	1.33
14	G	1140	CLA	O2D-CGD	4.74	1.44	1.33
14	l	1501	CLA	O2A-C1	4.74	1.58	1.46
14	A	1136	CLA	O2D-CGD	4.74	1.44	1.33
14	B	1022	CLA	CHC-C1C	4.74	1.48	1.38
14	H	1022	CLA	O2A-C1	4.74	1.58	1.46
14	L	1502	CLA	C3D-C4D	-4.74	1.33	1.44
14	A	1103	CLA	O2D-CGD	4.74	1.44	1.33
14	B	1234	CLA	O2D-CGD	4.74	1.44	1.33
14	a	1103	CLA	O2D-CGD	4.74	1.44	1.33
14	H	1227	CLA	O2D-CGD	4.74	1.44	1.33
18	L	4022	BCR	C10-C9	-4.73	1.24	1.35
14	H	1214	CLA	C3D-C4D	-4.73	1.33	1.44
14	L	1501	CLA	O2A-C1	4.73	1.58	1.46
14	A	1107	CLA	O2D-CGD	4.73	1.44	1.33
14	G	1136	CLA	O2D-CGD	4.73	1.44	1.33
14	B	1201	CLA	CHC-C1C	4.73	1.48	1.38
15	b	1238	F6C	C4A-NA	-4.73	1.31	1.37
14	B	1213	CLA	CHC-C1C	4.73	1.48	1.38
14	B	1223	CLA	O2D-CGD	4.73	1.44	1.33
14	B	1217	CLA	O2D-CGD	4.73	1.44	1.33
14	a	1136	CLA	O2D-CGD	4.73	1.44	1.33
18	U	4022	BCR	C10-C9	-4.73	1.24	1.35
14	U	1501	CLA	O2A-C1	4.73	1.58	1.46
14	b	1223	CLA	O2D-CGD	4.73	1.44	1.33
14	H	1226	CLA	C3D-C4D	-4.73	1.33	1.44
14	G	1107	CLA	O2D-CGD	4.73	1.44	1.33
14	H	1224	CLA	C3D-C4D	-4.72	1.33	1.44
14	H	1022	CLA	CHC-C1C	4.72	1.47	1.38
14	B	1224	CLA	C3D-C4D	-4.72	1.33	1.44
14	G	1103	CLA	O2D-CGD	4.72	1.44	1.33
14	b	1213	CLA	CHC-C1C	4.72	1.47	1.38
14	H	1204	CLA	C3D-C4D	-4.72	1.33	1.44
14	b	1234	CLA	O2D-CGD	4.72	1.44	1.33
14	B	1226	CLA	C3D-C4D	-4.72	1.33	1.44
14	b	1240	CLA	CHC-C1C	4.72	1.47	1.38
14	a	1139	CLA	CHC-C1C	4.72	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1122	CLA	O2D-CGD	4.72	1.44	1.33
14	H	1217	CLA	O2D-CGD	4.71	1.44	1.33
14	G	1122	CLA	O2D-CGD	4.71	1.44	1.33
14	a	1107	CLA	O2D-CGD	4.71	1.44	1.33
18	l	4022	BCR	C10-C9	-4.71	1.24	1.35
14	b	1226	CLA	C3D-C4D	-4.71	1.33	1.44
14	b	1217	CLA	O2D-CGD	4.71	1.44	1.33
14	A	1103	CLA	C3D-C4D	-4.71	1.33	1.44
14	l	1502	CLA	C3D-C4D	-4.71	1.33	1.44
14	H	1223	CLA	O2D-CGD	4.71	1.44	1.33
14	a	1122	CLA	O2D-CGD	4.71	1.44	1.33
14	b	1224	CLA	C3D-C4D	-4.71	1.33	1.44
14	A	1139	CLA	CHC-C1C	4.70	1.47	1.38
14	B	1234	CLA	CHC-C1C	4.70	1.47	1.38
14	G	1103	CLA	C3D-C4D	-4.70	1.33	1.44
14	b	1234	CLA	CHC-C1C	4.70	1.47	1.38
14	a	1013	CLA	O2D-CGD	4.70	1.44	1.33
14	A	1013	CLA	CHC-C1C	4.70	1.47	1.38
14	G	1139	CLA	CHC-C1C	4.70	1.47	1.38
14	b	1205	CLA	O2D-CGD	4.70	1.44	1.33
14	H	1234	CLA	CHC-C1C	4.69	1.47	1.38
14	H	1240	CLA	CHC-C1C	4.69	1.47	1.38
14	B	1204	CLA	C3D-C4D	-4.69	1.33	1.44
14	H	1205	CLA	O2D-CGD	4.69	1.44	1.33
14	A	1137	CLA	C3D-C4D	-4.69	1.33	1.44
16	A	2001	PQN	C10-C5	4.69	1.48	1.40
14	B	1240	CLA	CHD-C1D	4.69	1.47	1.38
14	B	1240	CLA	CHC-C1C	4.68	1.47	1.38
14	B	1205	CLA	O2D-CGD	4.68	1.44	1.33
13	A	1011	CL0	O2D-CGD	4.68	1.44	1.33
14	H	1235	CLA	O2D-CGD	4.68	1.44	1.33
14	b	1204	CLA	C3D-C4D	-4.68	1.33	1.44
14	a	1137	CLA	C3D-C4D	-4.68	1.33	1.44
14	A	1013	CLA	O2D-CGD	4.68	1.44	1.33
14	G	1013	CLA	CHC-C1C	4.68	1.47	1.38
13	a	1011	CL0	O2D-CGD	4.68	1.44	1.33
14	B	1235	CLA	O2D-CGD	4.68	1.44	1.33
14	b	1235	CLA	O2D-CGD	4.68	1.44	1.33
13	a	1011	CL0	C3C-C2C	4.68	1.46	1.36
14	B	1202	CLA	O2D-CGD	4.68	1.44	1.33
14	H	1236	CLA	C3D-C4D	-4.68	1.33	1.44
15	H	1238	F6C	C4A-NA	-4.68	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1011	CL0	C3C-C2C	4.67	1.46	1.36
14	b	1202	CLA	C3D-C4D	-4.67	1.33	1.44
14	k	1401	CLA	CHC-C1C	4.67	1.47	1.38
14	b	1216	CLA	C3C-C2C	4.67	1.46	1.36
15	b	1219	F6C	CHC-C4B	4.67	1.47	1.38
14	G	1128	CLA	C3D-C4D	-4.67	1.33	1.44
14	a	1141	CLA	CHC-C1C	4.67	1.47	1.38
14	G	1137	CLA	C3D-C4D	-4.67	1.33	1.44
14	H	1240	CLA	CHD-C1D	4.67	1.47	1.38
14	G	1124	CLA	C3C-C2C	4.67	1.46	1.36
14	K	1401	CLA	CHC-C1C	4.67	1.47	1.38
14	G	1137	CLA	O2D-CGD	4.67	1.44	1.33
14	G	1013	CLA	O2D-CGD	4.66	1.44	1.33
14	A	1141	CLA	O2D-CGD	4.66	1.44	1.33
14	B	1023	CLA	O2D-CGD	4.66	1.44	1.33
14	G	1138	CLA	CHD-C1D	4.66	1.47	1.38
14	b	1236	CLA	C3D-C4D	-4.66	1.33	1.44
14	a	1138	CLA	CHD-C1D	4.66	1.47	1.38
14	a	1141	CLA	O2D-CGD	4.66	1.44	1.33
14	B	1220	CLA	O2D-CGD	4.66	1.44	1.33
14	b	1203	CLA	C3D-C4D	-4.66	1.33	1.44
15	B	1219	F6C	CHC-C4B	4.66	1.47	1.38
14	H	1220	CLA	O2D-CGD	4.66	1.44	1.33
16	G	2001	PQN	C10-C5	4.66	1.48	1.40
14	a	1137	CLA	O2D-CGD	4.66	1.44	1.33
13	G	1011	CL0	O2D-CGD	4.66	1.44	1.33
14	a	1103	CLA	C3D-C4D	-4.66	1.33	1.44
14	H	1023	CLA	O2D-CGD	4.66	1.44	1.33
14	a	1013	CLA	CHC-C1C	4.66	1.47	1.38
14	T	1401	CLA	CHC-C1C	4.66	1.47	1.38
14	U	1503	CLA	C3D-C4D	-4.66	1.33	1.44
14	A	1137	CLA	O2D-CGD	4.66	1.44	1.33
14	b	1202	CLA	O2D-CGD	4.66	1.44	1.33
14	B	1202	CLA	C3D-C4D	-4.66	1.33	1.44
14	B	1212	CLA	CHD-C1D	4.66	1.47	1.38
14	H	1202	CLA	O2D-CGD	4.65	1.44	1.33
14	H	1212	CLA	CHD-C1D	4.65	1.47	1.38
13	G	1011	CL0	C3C-C2C	4.65	1.46	1.36
14	H	1226	CLA	CHD-C1D	4.65	1.47	1.38
14	H	1234	CLA	C3D-C4D	-4.65	1.33	1.44
14	b	1220	CLA	O2D-CGD	4.65	1.44	1.33
14	B	1216	CLA	C3C-C2C	4.65	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	1238	F6C	C4A-NA	-4.65	1.31	1.37
14	H	1202	CLA	C3D-C4D	-4.65	1.33	1.44
14	L	1503	CLA	C3D-C4D	-4.65	1.33	1.44
16	a	2001	PQN	C10-C5	4.65	1.48	1.40
14	B	1236	CLA	C3D-C4D	-4.65	1.33	1.44
14	A	1141	CLA	CHC-C1C	4.65	1.47	1.38
14	b	1234	CLA	C3D-C4D	-4.65	1.33	1.44
14	B	1226	CLA	CHD-C1D	4.65	1.47	1.38
14	a	1130	CLA	C3D-C4D	-4.65	1.33	1.44
14	b	1224	CLA	O2D-CGD	4.64	1.44	1.33
14	a	1119	CLA	CHC-C1C	4.64	1.47	1.38
14	G	1126	CLA	C3D-C4D	-4.64	1.33	1.44
14	A	1138	CLA	CHD-C1D	4.64	1.47	1.38
14	A	1124	CLA	C3C-C2C	4.64	1.46	1.36
14	G	1141	CLA	O2D-CGD	4.64	1.44	1.33
14	A	1128	CLA	C3D-C4D	-4.64	1.33	1.44
14	b	1240	CLA	CHD-C1D	4.64	1.47	1.38
14	B	1225	CLA	C3D-C4D	-4.64	1.33	1.44
14	B	1234	CLA	C3D-C4D	-4.64	1.33	1.44
14	a	1126	CLA	C3D-C4D	-4.64	1.33	1.44
14	b	1023	CLA	O2D-CGD	4.64	1.44	1.33
14	A	1105	CLA	CHC-C1C	4.64	1.47	1.38
14	A	1126	CLA	C3D-C4D	-4.64	1.33	1.44
14	b	1228	CLA	C3D-C4D	-4.64	1.33	1.44
14	b	1212	CLA	CHD-C1D	4.64	1.47	1.38
14	b	1225	CLA	C3D-C4D	-4.64	1.33	1.44
14	H	1235	CLA	CHC-C1C	4.64	1.47	1.38
14	A	1130	CLA	C3C-C2C	4.63	1.46	1.36
14	H	1231	CLA	CHC-C1C	4.63	1.47	1.38
14	B	1203	CLA	C3D-C4D	-4.63	1.33	1.44
14	B	1209	CLA	O2D-CGD	4.63	1.44	1.33
14	H	1225	CLA	C3D-C4D	-4.63	1.33	1.44
14	a	1105	CLA	CHC-C1C	4.63	1.47	1.38
15	H	1219	F6C	CHC-C4B	4.63	1.47	1.38
14	b	1223	CLA	C3C-C2C	4.63	1.46	1.36
14	A	1130	CLA	C3D-C4D	-4.63	1.33	1.44
14	G	1130	CLA	C3C-C2C	4.63	1.46	1.36
14	a	1124	CLA	C3C-C2C	4.63	1.46	1.36
18	M	4021	BCR	C10-C9	-4.63	1.25	1.35
14	b	1209	CLA	O2D-CGD	4.63	1.44	1.33
15	B	1237	F6C	C4A-NA	-4.63	1.31	1.37
14	B	1224	CLA	O2D-CGD	4.63	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1101	CLA	CHC-C1C	4.63	1.47	1.38
14	H	1216	CLA	C3C-C2C	4.63	1.46	1.36
14	b	1226	CLA	CHD-C1D	4.63	1.47	1.38
18	V	4021	BCR	C10-C9	-4.62	1.25	1.35
14	H	1209	CLA	O2D-CGD	4.62	1.44	1.33
14	G	1105	CLA	CHC-C1C	4.62	1.47	1.38
14	B	1212	CLA	O2D-CGD	4.62	1.44	1.33
14	A	1129	CLA	C3D-C4D	-4.62	1.33	1.44
14	B	1223	CLA	C3C-C2C	4.62	1.46	1.36
14	G	1107	CLA	CHC-C1C	4.62	1.47	1.38
14	G	1111	CLA	CHC-C1C	4.62	1.47	1.38
14	b	1212	CLA	O2D-CGD	4.62	1.44	1.33
14	H	1203	CLA	C3D-C4D	-4.62	1.33	1.44
14	a	1129	CLA	C3D-C4D	-4.62	1.33	1.44
14	l	1503	CLA	C3D-C4D	-4.62	1.33	1.44
14	B	1228	CLA	C3D-C4D	-4.62	1.33	1.44
14	G	1101	CLA	CHC-C1C	4.62	1.47	1.38
14	G	1119	CLA	CHC-C1C	4.62	1.47	1.38
14	b	1227	CLA	C3D-C4D	-4.62	1.33	1.44
14	G	1135	CLA	O2D-CGD	4.62	1.44	1.33
14	A	1119	CLA	CHC-C1C	4.62	1.47	1.38
14	B	1235	CLA	CHC-C1C	4.62	1.47	1.38
14	G	1130	CLA	C3D-C4D	-4.62	1.33	1.44
18	A	4006	BCR	C10-C9	-4.62	1.25	1.35
14	V	1501	CLA	C3D-C4D	-4.62	1.33	1.44
14	L	1502	CLA	O2D-CGD	4.61	1.44	1.33
14	A	1101	CLA	CHC-C1C	4.61	1.47	1.38
14	G	1141	CLA	CHC-C1C	4.61	1.47	1.38
14	H	1229	CLA	CHC-C1C	4.61	1.47	1.38
14	B	1231	CLA	CHC-C1C	4.61	1.47	1.38
14	B	1227	CLA	C3D-C4D	-4.61	1.33	1.44
14	k	1401	CLA	C3C-C2C	4.61	1.46	1.36
14	a	1114	CLA	C3C-C2C	4.61	1.46	1.36
14	a	1128	CLA	C3D-C4D	-4.61	1.33	1.44
14	A	1114	CLA	C3C-C2C	4.61	1.46	1.36
14	H	1235	CLA	C3D-C4D	-4.61	1.33	1.44
18	R	4018	BCR	C10-C9	-4.61	1.25	1.35
14	a	1135	CLA	O2D-CGD	4.61	1.44	1.33
14	H	1227	CLA	C3D-C4D	-4.61	1.33	1.44
14	B	1229	CLA	CHC-C1C	4.60	1.47	1.38
14	a	1124	CLA	O2D-CGD	4.60	1.44	1.33
18	a	4006	BCR	C10-C9	-4.60	1.25	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	1401	CLA	C3C-C2C	4.60	1.46	1.36
14	a	1130	CLA	C3C-C2C	4.60	1.46	1.36
14	b	1231	CLA	CHC-C1C	4.60	1.47	1.38
14	G	1124	CLA	O2D-CGD	4.60	1.44	1.33
14	H	1202	CLA	CHC-C1C	4.60	1.47	1.38
14	A	1107	CLA	CHC-C1C	4.60	1.47	1.38
14	a	1107	CLA	CHC-C1C	4.60	1.47	1.38
14	K	1401	CLA	C3C-C2C	4.60	1.46	1.36
14	A	1124	CLA	O2D-CGD	4.60	1.44	1.33
16	H	2002	PQN	C10-C5	4.60	1.48	1.40
14	G	1131	CLA	C3D-C4D	-4.60	1.33	1.44
14	H	1234	CLA	C3C-C2C	4.60	1.46	1.36
14	M	1501	CLA	C3D-C4D	-4.60	1.33	1.44
14	G	1136	CLA	C3D-C4D	-4.60	1.33	1.44
14	B	1202	CLA	CHC-C1C	4.60	1.47	1.38
14	b	1206	CLA	O2D-CGD	4.60	1.44	1.33
18	G	4006	BCR	C10-C9	-4.60	1.25	1.35
14	b	1235	CLA	CHC-C1C	4.60	1.47	1.38
14	H	1212	CLA	O2D-CGD	4.60	1.44	1.33
14	b	1229	CLA	CHC-C1C	4.60	1.47	1.38
14	A	1135	CLA	O2D-CGD	4.60	1.44	1.33
15	H	1237	F6C	C4A-NA	-4.60	1.31	1.37
18	m	4021	BCR	C10-C9	-4.59	1.25	1.35
14	A	1131	CLA	C3D-C4D	-4.59	1.33	1.44
14	G	1129	CLA	C3D-C4D	-4.59	1.33	1.44
14	H	1228	CLA	C3D-C4D	-4.59	1.33	1.44
14	H	1224	CLA	O2D-CGD	4.59	1.44	1.33
14	B	1216	CLA	CHC-C1C	4.59	1.47	1.38
14	a	1131	CLA	C3D-C4D	-4.59	1.33	1.44
14	U	1502	CLA	O2D-CGD	4.59	1.44	1.33
14	G	1110	CLA	CHC-C1C	4.59	1.47	1.38
14	B	1226	CLA	O2D-CGD	4.59	1.44	1.33
14	l	1502	CLA	O2D-CGD	4.59	1.44	1.33
14	H	1216	CLA	CHC-C1C	4.59	1.47	1.38
16	B	2002	PQN	C10-C5	4.59	1.48	1.40
14	b	1235	CLA	C3D-C4D	-4.59	1.33	1.44
14	b	1226	CLA	O2D-CGD	4.59	1.44	1.33
14	A	1136	CLA	C3D-C4D	-4.59	1.33	1.44
14	A	1116	CLA	CHC-C1C	4.59	1.47	1.38
14	H	1223	CLA	C3C-C2C	4.59	1.46	1.36
14	b	1233	CLA	CHD-C1D	4.59	1.47	1.38
14	a	1111	CLA	CHC-C1C	4.59	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1105	CLA	C3C-C2C	4.59	1.46	1.36
16	b	2002	PQN	C10-C5	4.59	1.48	1.40
14	A	1111	CLA	CHC-C1C	4.59	1.47	1.38
15	b	1237	F6C	C4A-NA	-4.59	1.31	1.37
14	H	1223	CLA	C3D-C4D	-4.58	1.33	1.44
14	B	1234	CLA	C3C-C2C	4.58	1.46	1.36
14	G	1114	CLA	CHD-C1D	4.58	1.47	1.38
14	G	1131	CLA	O2D-CGD	4.58	1.44	1.33
14	b	1023	CLA	C3D-C4D	-4.58	1.33	1.44
14	B	1223	CLA	C3D-C4D	-4.58	1.33	1.44
14	b	1229	CLA	O2D-CGD	4.58	1.44	1.33
14	H	1210	CLA	CHC-C1C	4.58	1.47	1.38
14	a	1105	CLA	C3C-C2C	4.58	1.46	1.36
14	H	1226	CLA	O2D-CGD	4.58	1.44	1.33
14	B	1235	CLA	C3D-C4D	-4.58	1.33	1.44
14	A	1105	CLA	C3C-C2C	4.58	1.46	1.36
14	a	1116	CLA	CHC-C1C	4.58	1.47	1.38
14	G	1116	CLA	CHC-C1C	4.58	1.47	1.38
14	b	1202	CLA	CHC-C1C	4.58	1.47	1.38
14	a	1109	CLA	C3C-C2C	4.58	1.46	1.36
14	G	1126	CLA	CHC-C1C	4.58	1.47	1.38
18	I	4018	BCR	C10-C9	-4.57	1.25	1.35
18	i	4018	BCR	C10-C9	-4.57	1.25	1.35
14	B	1023	CLA	C3D-C4D	-4.57	1.33	1.44
14	H	1021	CLA	O2D-CGD	4.57	1.44	1.33
14	B	1233	CLA	CHD-C1D	4.57	1.47	1.38
14	H	1233	CLA	CHD-C1D	4.57	1.47	1.38
14	b	1216	CLA	CHC-C1C	4.57	1.47	1.38
14	l	1501	CLA	O2D-CGD	4.57	1.44	1.33
14	a	1126	CLA	CHC-C1C	4.57	1.47	1.38
14	a	1136	CLA	C3D-C4D	-4.57	1.33	1.44
14	G	1112	CLA	CHC-C1C	4.57	1.47	1.38
14	B	1210	CLA	CHC-C1C	4.57	1.47	1.38
14	A	1131	CLA	O2D-CGD	4.57	1.44	1.33
14	G	1114	CLA	C3C-C2C	4.57	1.46	1.36
14	a	1131	CLA	O2D-CGD	4.56	1.44	1.33
14	B	1229	CLA	O2D-CGD	4.56	1.44	1.33
14	b	1234	CLA	C3C-C2C	4.56	1.46	1.36
14	G	1124	CLA	C3D-C4D	-4.56	1.33	1.44
14	B	1232	CLA	CHD-C1D	4.56	1.47	1.38
14	H	1206	CLA	O2D-CGD	4.56	1.44	1.33
14	b	1210	CLA	CHC-C1C	4.56	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1206	CLA	O2D-CGD	4.56	1.44	1.33
14	A	1110	CLA	CHC-C1C	4.56	1.47	1.38
14	b	1232	CLA	CHD-C1D	4.56	1.47	1.38
14	G	1129	CLA	C3C-C2C	4.56	1.46	1.36
14	A	1114	CLA	CHD-C1D	4.56	1.47	1.38
14	b	1228	CLA	CHD-C1D	4.56	1.47	1.38
14	G	1132	CLA	C3D-C4D	-4.56	1.33	1.44
14	m	1501	CLA	C3D-C4D	-4.56	1.33	1.44
14	B	1231	CLA	O2D-CGD	4.56	1.44	1.33
14	a	1105	CLA	C3D-C4D	-4.56	1.33	1.44
14	b	1231	CLA	C3D-C4D	-4.55	1.33	1.44
14	H	1231	CLA	O2D-CGD	4.55	1.44	1.33
14	H	1023	CLA	C3D-C4D	-4.55	1.33	1.44
14	A	1118	CLA	CHC-C1C	4.55	1.47	1.38
14	a	1129	CLA	CHC-C1C	4.55	1.47	1.38
14	A	1126	CLA	C3C-C2C	4.55	1.46	1.36
14	H	1228	CLA	CHD-C1D	4.55	1.47	1.38
14	H	1232	CLA	CHD-C1D	4.55	1.47	1.38
14	a	1132	CLA	C3D-C4D	-4.55	1.33	1.44
14	a	1110	CLA	CHC-C1C	4.55	1.47	1.38
14	B	1228	CLA	CHD-C1D	4.55	1.47	1.38
14	B	1231	CLA	C3D-C4D	-4.55	1.34	1.44
14	a	1140	CLA	C3D-C4D	-4.55	1.34	1.44
14	A	1109	CLA	C3C-C2C	4.55	1.46	1.36
14	A	1132	CLA	C3D-C4D	-4.55	1.34	1.44
18	a	4001	BCR	C10-C9	-4.55	1.25	1.35
14	a	1126	CLA	C3C-C2C	4.55	1.46	1.36
14	b	1231	CLA	O2D-CGD	4.55	1.44	1.33
14	G	1105	CLA	C3D-C4D	-4.55	1.34	1.44
14	G	1140	CLA	C3D-C4D	-4.55	1.34	1.44
13	a	1011	CL0	C3D-C4D	-4.54	1.34	1.44
13	A	1011	CL0	C3D-C4D	-4.54	1.34	1.44
14	A	1140	CLA	C3D-C4D	-4.54	1.34	1.44
14	A	1129	CLA	C3C-C2C	4.54	1.46	1.36
14	A	1105	CLA	C3D-C4D	-4.54	1.34	1.44
14	b	1223	CLA	C3D-C4D	-4.54	1.34	1.44
14	H	1214	CLA	CHD-C1D	4.54	1.47	1.38
14	B	1233	CLA	C3C-C2C	4.54	1.46	1.36
14	A	1124	CLA	C3D-C4D	-4.54	1.34	1.44
14	a	1104	CLA	C3D-C4D	-4.54	1.34	1.44
14	A	1129	CLA	CHC-C1C	4.54	1.47	1.38
14	b	1233	CLA	C3C-C2C	4.54	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1021	CLA	O2D-CGD	4.54	1.44	1.33
14	A	1126	CLA	CHC-C1C	4.54	1.47	1.38
14	B	1214	CLA	CHD-C1D	4.54	1.47	1.38
14	L	1501	CLA	O2D-CGD	4.54	1.44	1.33
14	G	1118	CLA	C3D-C4D	-4.54	1.34	1.44
14	G	1109	CLA	C3C-C2C	4.54	1.46	1.36
18	A	4001	BCR	C10-C9	-4.53	1.25	1.35
14	G	1110	CLA	C3C-C2C	4.53	1.46	1.36
13	G	1011	CL0	C3D-C4D	-4.53	1.34	1.44
14	H	1233	CLA	C3C-C2C	4.53	1.46	1.36
14	a	1118	CLA	C3D-C4D	-4.53	1.34	1.44
14	G	1126	CLA	C3C-C2C	4.53	1.46	1.36
14	B	1212	CLA	C3D-C4D	-4.53	1.34	1.44
14	H	1229	CLA	O2D-CGD	4.53	1.44	1.33
14	G	1106	CLA	CHC-C1C	4.53	1.47	1.38
14	a	1129	CLA	C3C-C2C	4.53	1.46	1.36
14	G	1115	CLA	C3D-C4D	-4.53	1.34	1.44
14	G	1118	CLA	CHC-C1C	4.53	1.47	1.38
14	H	1231	CLA	C3D-C4D	-4.53	1.34	1.44
14	G	1117	CLA	O2D-CGD	4.53	1.44	1.33
14	A	1106	CLA	CHC-C1C	4.53	1.47	1.38
14	G	1113	CLA	C3D-C4D	-4.53	1.34	1.44
14	H	1228	CLA	C3C-C2C	4.53	1.46	1.36
14	U	1501	CLA	O2D-CGD	4.53	1.44	1.33
14	a	1124	CLA	C3D-C4D	-4.52	1.34	1.44
14	H	1211	CLA	O2D-CGD	4.52	1.44	1.33
14	A	1113	CLA	C3D-C4D	-4.52	1.34	1.44
14	l	1503	CLA	O2D-CGD	4.52	1.44	1.33
14	a	1117	CLA	O2D-CGD	4.52	1.44	1.33
14	H	1212	CLA	C3D-C4D	-4.52	1.34	1.44
18	G	4001	BCR	C10-C9	-4.52	1.25	1.35
14	a	1123	CLA	C3D-C4D	-4.52	1.34	1.44
14	b	1240	CLA	C3C-C2C	4.52	1.46	1.36
14	A	1117	CLA	O2D-CGD	4.52	1.44	1.33
14	A	1123	CLA	C3D-C4D	-4.52	1.34	1.44
14	a	1118	CLA	CHC-C1C	4.52	1.47	1.38
14	A	1104	CLA	C3D-C4D	-4.52	1.34	1.44
14	A	1112	CLA	CHC-C1C	4.52	1.47	1.38
14	B	1211	CLA	O2D-CGD	4.51	1.44	1.33
14	B	1228	CLA	C3C-C2C	4.51	1.46	1.36
14	A	1110	CLA	C3C-C2C	4.51	1.46	1.36
14	a	1110	CLA	C3C-C2C	4.51	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1225	CLA	C3C-C2C	4.51	1.46	1.36
14	G	1129	CLA	CHC-C1C	4.51	1.47	1.38
14	b	1021	CLA	O2D-CGD	4.51	1.44	1.33
14	a	1114	CLA	CHD-C1D	4.51	1.47	1.38
14	b	1228	CLA	C3C-C2C	4.51	1.46	1.36
18	A	4003	BCR	C10-C9	-4.51	1.25	1.35
14	A	1118	CLA	C3D-C4D	-4.51	1.34	1.44
14	a	1106	CLA	CHC-C1C	4.51	1.47	1.38
14	a	1112	CLA	CHC-C1C	4.51	1.47	1.38
14	G	1119	CLA	C3D-C4D	-4.51	1.34	1.44
18	G	4003	BCR	C10-C9	-4.51	1.25	1.35
14	L	1503	CLA	O2D-CGD	4.51	1.44	1.33
14	G	1115	CLA	CHC-C1C	4.51	1.47	1.38
18	a	4003	BCR	C10-C9	-4.51	1.25	1.35
14	H	1222	CLA	C3D-C4D	-4.51	1.34	1.44
14	A	1115	CLA	CHC-C1C	4.51	1.47	1.38
14	H	1208	CLA	C3C-C2C	4.50	1.46	1.36
14	B	1222	CLA	C3C-C2C	4.50	1.46	1.36
14	U	1503	CLA	O2D-CGD	4.50	1.44	1.33
14	B	1208	CLA	C3C-C2C	4.50	1.46	1.36
14	H	1240	CLA	C3C-C2C	4.50	1.46	1.36
14	b	1222	CLA	C3C-C2C	4.50	1.46	1.36
14	b	1214	CLA	CHD-C1D	4.50	1.47	1.38
14	A	1115	CLA	C3D-C4D	-4.50	1.34	1.44
14	b	1211	CLA	O2D-CGD	4.50	1.44	1.33
14	H	1232	CLA	CHC-C1C	4.50	1.47	1.38
14	a	1113	CLA	C3D-C4D	-4.50	1.34	1.44
14	b	1208	CLA	C3D-C4D	-4.50	1.34	1.44
14	A	1123	CLA	CHC-C1C	4.50	1.47	1.38
14	B	1225	CLA	C3C-C2C	4.50	1.46	1.36
14	H	1215	CLA	C3D-C4D	-4.50	1.34	1.44
14	G	1123	CLA	C3D-C4D	-4.50	1.34	1.44
14	G	1133	CLA	C3C-C2C	4.50	1.46	1.36
14	A	1119	CLA	C3D-C4D	-4.50	1.34	1.44
14	G	1123	CLA	CHC-C1C	4.50	1.47	1.38
14	a	1141	CLA	C3C-C2C	4.50	1.46	1.36
14	b	1225	CLA	C3C-C2C	4.49	1.46	1.36
18	B	4009	BCR	C10-C9	-4.49	1.25	1.35
14	G	1104	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	1240	CLA	C3C-C2C	4.49	1.46	1.36
14	H	1236	CLA	C3C-C2C	4.49	1.46	1.36
14	b	1232	CLA	C3D-C4D	-4.49	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1132	CLA	CHC-C1C	4.49	1.47	1.38
14	b	1209	CLA	C3C-C2C	4.49	1.46	1.36
14	b	1212	CLA	C3D-C4D	-4.49	1.34	1.44
15	H	1238	F6C	CHC-C4B	4.49	1.47	1.38
18	H	4009	BCR	C10-C9	-4.49	1.25	1.35
14	G	1112	CLA	C3C-C2C	4.49	1.46	1.36
14	a	1112	CLA	C3C-C2C	4.49	1.46	1.36
14	A	1108	CLA	C3C-C2C	4.49	1.46	1.36
14	G	1132	CLA	CHC-C1C	4.49	1.47	1.38
14	b	1218	CLA	CHC-C1C	4.49	1.47	1.38
15	B	1238	F6C	CHC-C4B	4.49	1.47	1.38
14	G	1108	CLA	CHC-C1C	4.48	1.47	1.38
14	G	1129	CLA	O2D-CGD	4.48	1.44	1.33
14	b	1201	CLA	C3D-C4D	-4.48	1.34	1.44
18	b	4009	BCR	C10-C9	-4.48	1.25	1.35
14	A	1107	CLA	C3D-C4D	-4.48	1.34	1.44
14	B	1206	CLA	C3D-C4D	-4.48	1.34	1.44
14	a	1129	CLA	O2D-CGD	4.48	1.44	1.33
14	B	1236	CLA	C3C-C2C	4.48	1.46	1.36
14	a	1108	CLA	C3C-C2C	4.48	1.46	1.36
14	B	1232	CLA	CHC-C1C	4.48	1.47	1.38
14	A	1141	CLA	C3C-C2C	4.48	1.46	1.36
14	a	1123	CLA	CHC-C1C	4.48	1.47	1.38
14	A	1108	CLA	CHD-C1D	4.48	1.47	1.38
14	a	1115	CLA	C3D-C4D	-4.48	1.34	1.44
14	A	1112	CLA	C3C-C2C	4.48	1.46	1.36
14	b	1215	CLA	C3D-C4D	-4.48	1.34	1.44
14	A	1108	CLA	CHC-C1C	4.48	1.47	1.38
14	B	1222	CLA	C3D-C4D	-4.48	1.34	1.44
14	B	1235	CLA	C3C-C2C	4.47	1.46	1.36
14	a	1107	CLA	C3D-C4D	-4.47	1.34	1.44
14	B	1210	CLA	C3D-C4D	-4.47	1.34	1.44
14	a	1132	CLA	CHC-C1C	4.47	1.47	1.38
14	B	1209	CLA	C3C-C2C	4.47	1.46	1.36
14	a	1108	CLA	CHC-C1C	4.47	1.47	1.38
14	H	1209	CLA	C3C-C2C	4.47	1.46	1.36
14	H	1206	CLA	C3D-C4D	-4.47	1.34	1.44
14	a	1108	CLA	CHD-C1D	4.47	1.47	1.38
14	a	1119	CLA	C3D-C4D	-4.47	1.34	1.44
14	a	1101	CLA	C3C-C2C	4.47	1.46	1.36
14	G	1108	CLA	CHD-C1D	4.47	1.47	1.38
14	b	1235	CLA	C3C-C2C	4.47	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1229	CLA	CHD-C1D	4.47	1.47	1.38
14	b	1216	CLA	CHD-C1D	4.47	1.47	1.38
14	b	1232	CLA	CHC-C1C	4.47	1.47	1.38
14	H	1222	CLA	C3C-C2C	4.47	1.46	1.36
14	b	1236	CLA	C3C-C2C	4.47	1.46	1.36
14	B	1223	CLA	CHC-C1C	4.47	1.47	1.38
14	b	1210	CLA	C3D-C4D	-4.47	1.34	1.44
14	G	1106	CLA	C3D-C4D	-4.47	1.34	1.44
14	B	1208	CLA	C3D-C4D	-4.47	1.34	1.44
18	A	4002	BCR	C10-C9	-4.47	1.25	1.35
18	a	4002	BCR	C10-C9	-4.46	1.25	1.35
14	B	1232	CLA	C3D-C4D	-4.46	1.34	1.44
14	H	1210	CLA	C3D-C4D	-4.46	1.34	1.44
14	H	1208	CLA	C3D-C4D	-4.46	1.34	1.44
14	H	1221	CLA	CHC-C1C	4.46	1.47	1.38
14	H	1229	CLA	C3D-C4D	-4.46	1.34	1.44
14	A	1101	CLA	C3C-C2C	4.46	1.46	1.36
14	A	1129	CLA	O2D-CGD	4.46	1.44	1.33
14	G	1102	CLA	C3C-C2C	4.46	1.46	1.36
18	G	4002	BCR	C10-C9	-4.46	1.25	1.35
14	B	1215	CLA	C3D-C4D	-4.46	1.34	1.44
14	A	1140	CLA	C3C-C2C	4.46	1.46	1.36
14	b	1208	CLA	C3C-C2C	4.46	1.46	1.36
14	b	1201	CLA	O2D-CGD	4.46	1.44	1.33
14	G	1108	CLA	C3C-C2C	4.46	1.46	1.36
14	H	1232	CLA	C3D-C4D	-4.46	1.34	1.44
14	b	1222	CLA	C3D-C4D	-4.46	1.34	1.44
14	b	1206	CLA	C3D-C4D	-4.46	1.34	1.44
14	a	1115	CLA	CHC-C1C	4.46	1.47	1.38
14	a	1124	CLA	CHC-C1C	4.46	1.47	1.38
14	b	1208	CLA	CHC-C1C	4.46	1.47	1.38
14	L	1503	CLA	C3C-C2C	4.46	1.46	1.36
14	b	1209	CLA	CHC-C1C	4.46	1.47	1.38
14	A	1102	CLA	C3C-C2C	4.46	1.46	1.36
14	a	1102	CLA	C3C-C2C	4.46	1.46	1.36
14	a	1140	CLA	C3C-C2C	4.46	1.46	1.36
14	G	1124	CLA	CHC-C1C	4.46	1.47	1.38
14	H	1235	CLA	C3C-C2C	4.46	1.46	1.36
14	a	1103	CLA	CHD-C1D	4.46	1.47	1.38
14	B	1229	CLA	CHD-C1D	4.46	1.47	1.38
14	a	1134	CLA	CHC-C1C	4.46	1.47	1.38
14	G	1140	CLA	C3C-C2C	4.46	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1137	CLA	C3C-C2C	4.46	1.46	1.36
14	G	1113	CLA	C3C-C2C	4.45	1.46	1.36
14	B	1221	CLA	CHC-C1C	4.45	1.47	1.38
14	B	1216	CLA	CHD-C1D	4.45	1.47	1.38
14	G	1103	CLA	CHD-C1D	4.45	1.47	1.38
14	A	1111	CLA	O2D-CGD	4.45	1.44	1.33
14	H	1223	CLA	CHC-C1C	4.45	1.47	1.38
14	b	1223	CLA	CHC-C1C	4.45	1.47	1.38
14	G	1141	CLA	C3C-C2C	4.45	1.46	1.36
15	b	1238	F6C	CHC-C4B	4.45	1.47	1.38
14	B	1229	CLA	C3D-C4D	-4.45	1.34	1.44
14	A	1134	CLA	CHC-C1C	4.45	1.47	1.38
14	b	1236	CLA	CHC-C1C	4.45	1.47	1.38
14	G	1107	CLA	C3D-C4D	-4.45	1.34	1.44
19	a	5001	LHG	O8-C23	4.45	1.46	1.33
14	H	1224	CLA	C3C-C2C	4.45	1.46	1.36
14	G	1134	CLA	CHC-C1C	4.45	1.47	1.38
14	G	1101	CLA	C3C-C2C	4.45	1.46	1.36
14	H	1229	CLA	C3C-C2C	4.45	1.46	1.36
14	A	1103	CLA	CHD-C1D	4.45	1.47	1.38
14	B	1209	CLA	CHC-C1C	4.45	1.47	1.38
14	G	1125	CLA	CHC-C1C	4.45	1.47	1.38
14	b	1217	CLA	CHC-C1C	4.45	1.47	1.38
14	A	1106	CLA	C3D-C4D	-4.45	1.34	1.44
14	G	1134	CLA	C3C-C2C	4.45	1.46	1.36
14	H	1201	CLA	C3D-C4D	-4.45	1.34	1.44
14	H	1218	CLA	CHC-C1C	4.45	1.47	1.38
14	H	1021	CLA	C3D-C4D	-4.45	1.34	1.44
14	B	1201	CLA	C3D-C4D	-4.45	1.34	1.44
14	B	1213	CLA	C3D-C4D	-4.45	1.34	1.44
14	B	1218	CLA	CHC-C1C	4.45	1.47	1.38
14	B	1208	CLA	CHC-C1C	4.45	1.47	1.38
14	B	1224	CLA	C3C-C2C	4.44	1.46	1.36
14	G	1108	CLA	C3D-C4D	-4.44	1.34	1.44
14	A	1119	CLA	C3C-C2C	4.44	1.46	1.36
14	A	1113	CLA	CHD-C1D	4.44	1.47	1.38
14	a	1130	CLA	CHC-C1C	4.44	1.47	1.38
14	A	1124	CLA	CHC-C1C	4.44	1.47	1.38
14	B	1229	CLA	C3C-C2C	4.44	1.46	1.36
14	b	1218	CLA	C3D-C4D	-4.44	1.34	1.44
14	b	1214	CLA	C3C-C2C	4.44	1.46	1.36
14	A	1134	CLA	C3C-C2C	4.44	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1111	CLA	O2D-CGD	4.44	1.44	1.33
14	b	1021	CLA	C3D-C4D	-4.44	1.34	1.44
14	b	1229	CLA	C3D-C4D	-4.44	1.34	1.44
14	A	1133	CLA	C3C-C2C	4.44	1.46	1.36
14	G	1119	CLA	C3C-C2C	4.44	1.46	1.36
14	U	1503	CLA	C3C-C2C	4.44	1.46	1.36
14	a	1106	CLA	C3D-C4D	-4.44	1.34	1.44
14	b	1240	CLA	C3D-C4D	-4.44	1.34	1.44
14	H	1213	CLA	C3D-C4D	-4.44	1.34	1.44
14	B	1217	CLA	CHC-C1C	4.44	1.47	1.38
14	U	1501	CLA	CHC-C1C	4.44	1.47	1.38
14	a	1012	CLA	C3C-C2C	4.44	1.46	1.36
14	B	1201	CLA	O2D-CGD	4.44	1.44	1.33
14	a	1134	CLA	C3C-C2C	4.44	1.46	1.36
14	b	1239	CLA	C1D-ND	-4.44	1.32	1.37
14	H	1208	CLA	CHC-C1C	4.44	1.47	1.38
14	G	1111	CLA	O2D-CGD	4.44	1.44	1.33
18	H	4005	BCR	C10-C9	-4.44	1.25	1.35
14	G	1132	CLA	C3C-C2C	4.43	1.46	1.36
14	A	1132	CLA	C3C-C2C	4.43	1.46	1.36
14	b	1221	CLA	CHC-C1C	4.43	1.47	1.38
14	B	1214	CLA	C3C-C2C	4.43	1.46	1.36
14	A	1111	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	1218	CLA	C3D-C4D	-4.43	1.34	1.44
14	A	1137	CLA	C3C-C2C	4.43	1.46	1.36
14	H	1236	CLA	CHC-C1C	4.43	1.47	1.38
14	b	1213	CLA	C3D-C4D	-4.43	1.34	1.44
14	H	1201	CLA	O2D-CGD	4.43	1.44	1.33
14	l	1502	CLA	C3C-C2C	4.43	1.46	1.36
14	A	1125	CLA	CHC-C1C	4.43	1.47	1.38
14	H	1240	CLA	C3D-C4D	-4.43	1.34	1.44
14	U	1502	CLA	C3C-C2C	4.43	1.46	1.36
14	a	1125	CLA	CHC-C1C	4.43	1.47	1.38
14	G	1133	CLA	C3D-C4D	-4.43	1.34	1.44
18	b	4005	BCR	C10-C9	-4.43	1.25	1.35
14	G	1101	CLA	CHD-C1D	4.43	1.47	1.38
14	a	1111	CLA	C3D-C4D	-4.43	1.34	1.44
14	b	1214	CLA	CHC-C1C	4.43	1.47	1.38
14	G	1113	CLA	CHD-C1D	4.43	1.47	1.38
14	b	1229	CLA	CHD-C1D	4.43	1.47	1.38
14	A	1108	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	1214	CLA	CHC-C1C	4.43	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1119	CLA	C3C-C2C	4.43	1.46	1.36
14	A	1122	CLA	C3D-C4D	-4.43	1.34	1.44
14	a	1113	CLA	C3C-C2C	4.43	1.46	1.36
14	b	1224	CLA	C3C-C2C	4.43	1.46	1.36
14	a	1122	CLA	C3D-C4D	-4.43	1.34	1.44
14	H	1216	CLA	CHD-C1D	4.43	1.47	1.38
14	a	1132	CLA	C3C-C2C	4.43	1.46	1.36
14	A	1109	CLA	CHD-C1D	4.43	1.47	1.38
19	A	5001	LHG	O8-C23	4.42	1.46	1.33
14	H	1209	CLA	CHC-C1C	4.42	1.47	1.38
14	a	1113	CLA	CHD-C1D	4.42	1.47	1.38
14	a	1109	CLA	CHD-C1D	4.42	1.47	1.38
14	A	1128	CLA	O2D-CGD	4.42	1.44	1.33
14	G	1111	CLA	C3D-C4D	-4.42	1.34	1.44
14	l	1503	CLA	C3C-C2C	4.42	1.46	1.36
14	B	1236	CLA	CHC-C1C	4.42	1.47	1.38
14	G	1128	CLA	O2D-CGD	4.42	1.44	1.33
14	B	1021	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	1130	CLA	CHC-C1C	4.42	1.47	1.38
14	A	1113	CLA	C3C-C2C	4.42	1.46	1.36
14	b	1229	CLA	C3C-C2C	4.42	1.46	1.36
14	H	1217	CLA	CHC-C1C	4.42	1.47	1.38
15	b	1230	F6C	C4A-NA	-4.42	1.32	1.37
14	H	1214	CLA	CHC-C1C	4.42	1.47	1.38
19	G	5001	LHG	O8-C23	4.42	1.46	1.33
14	G	1012	CLA	C3C-C2C	4.42	1.46	1.36
14	a	1114	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	1109	CLA	CHD-C1D	4.42	1.47	1.38
14	G	1137	CLA	C3C-C2C	4.42	1.46	1.36
14	H	1214	CLA	C3C-C2C	4.42	1.46	1.36
14	A	1012	CLA	C3C-C2C	4.41	1.46	1.36
14	G	1106	CLA	C3C-C2C	4.41	1.46	1.36
15	B	1207	F6C	O2D-CGD	4.41	1.44	1.33
14	a	1116	CLA	C3D-C4D	-4.41	1.34	1.44
15	B	1230	F6C	C4A-NA	-4.41	1.32	1.37
14	b	1022	CLA	C3C-C2C	4.41	1.46	1.36
14	A	1130	CLA	CHC-C1C	4.41	1.47	1.38
18	B	4005	BCR	C10-C9	-4.41	1.25	1.35
14	B	1239	CLA	C1D-ND	-4.41	1.32	1.37
14	G	1122	CLA	C3D-C4D	-4.41	1.34	1.44
14	a	1101	CLA	CHD-C1D	4.41	1.47	1.38
15	b	1207	F6C	O2D-CGD	4.41	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1116	CLA	C3D-C4D	-4.41	1.34	1.44
14	L	1502	CLA	C3C-C2C	4.41	1.46	1.36
14	H	1202	CLA	C3C-C2C	4.41	1.46	1.36
14	A	1117	CLA	C3D-C4D	-4.41	1.34	1.44
14	A	1133	CLA	C3D-C4D	-4.41	1.34	1.44
14	H	1239	CLA	C1D-ND	-4.41	1.32	1.37
14	a	1105	CLA	CHD-C1D	4.41	1.47	1.38
14	A	1101	CLA	CHD-C1D	4.41	1.47	1.38
14	B	1208	CLA	CHD-C1D	4.41	1.47	1.38
14	G	1114	CLA	C3D-C4D	-4.41	1.34	1.44
14	A	1125	CLA	O2D-CGD	4.41	1.44	1.33
14	A	1114	CLA	C3D-C4D	-4.41	1.34	1.44
14	a	1128	CLA	O2D-CGD	4.41	1.44	1.33
14	a	1106	CLA	C3C-C2C	4.40	1.46	1.36
14	a	1117	CLA	C3D-C4D	-4.40	1.34	1.44
14	b	1211	CLA	C3D-C4D	-4.40	1.34	1.44
14	H	1022	CLA	C3C-C2C	4.40	1.46	1.36
14	H	1218	CLA	C3D-C4D	-4.40	1.34	1.44
14	a	1138	CLA	C3D-C4D	-4.40	1.34	1.44
14	L	1501	CLA	CHC-C1C	4.40	1.47	1.38
14	B	1240	CLA	C3D-C4D	-4.40	1.34	1.44
15	H	1207	F6C	O2D-CGD	4.40	1.44	1.33
14	a	1108	CLA	C3D-C4D	-4.40	1.34	1.44
14	B	1211	CLA	C3D-C4D	-4.40	1.34	1.44
14	a	1110	CLA	CHD-C1D	4.40	1.47	1.38
14	G	1112	CLA	C3D-C4D	-4.40	1.34	1.44
14	H	1206	CLA	C3C-C2C	4.40	1.46	1.36
14	a	1109	CLA	C3D-C4D	-4.40	1.34	1.44
14	a	1133	CLA	C3C-C2C	4.40	1.46	1.36
14	B	1209	CLA	C3D-C4D	-4.40	1.34	1.44
14	A	1106	CLA	C3C-C2C	4.40	1.46	1.36
14	B	1216	CLA	C3D-C4D	-4.40	1.34	1.44
14	A	1110	CLA	C3D-C4D	-4.40	1.34	1.44
14	H	1022	CLA	C3D-C4D	-4.40	1.34	1.44
14	a	1125	CLA	O2D-CGD	4.39	1.44	1.33
15	H	1230	F6C	C4A-NA	-4.39	1.32	1.37
14	H	1220	CLA	C3D-C4D	-4.39	1.34	1.44
14	B	1202	CLA	C3C-C2C	4.39	1.46	1.36
14	B	1206	CLA	C3C-C2C	4.39	1.46	1.36
14	b	1232	CLA	C3C-C2C	4.39	1.46	1.36
14	G	1125	CLA	O2D-CGD	4.39	1.44	1.33
14	H	1224	CLA	CHC-C1C	4.39	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	b	1207	F6C	C1C-NC	-4.39	1.32	1.37
14	b	1220	CLA	C3D-C4D	-4.39	1.34	1.44
14	B	1228	CLA	CHC-C1C	4.39	1.47	1.38
14	B	1022	CLA	C3D-C4D	-4.39	1.34	1.44
14	A	1138	CLA	C3D-C4D	-4.39	1.34	1.44
14	H	1211	CLA	C3D-C4D	-4.39	1.34	1.44
14	A	1105	CLA	CHD-C1D	4.39	1.47	1.38
15	B	1237	F6C	CHC-C4B	4.39	1.47	1.38
14	A	1135	CLA	CHD-C1D	4.39	1.47	1.38
14	A	1112	CLA	C3D-C4D	-4.39	1.34	1.44
14	H	1232	CLA	C3C-C2C	4.39	1.46	1.36
14	G	1110	CLA	C3D-C4D	-4.39	1.34	1.44
14	G	1116	CLA	C3D-C4D	-4.38	1.34	1.44
14	a	1102	CLA	CHD-C1D	4.38	1.47	1.38
14	b	1205	CLA	C1D-ND	-4.38	1.32	1.37
14	B	1022	CLA	C3C-C2C	4.38	1.46	1.36
14	H	1209	CLA	C3D-C4D	-4.38	1.34	1.44
14	a	1112	CLA	C3D-C4D	-4.38	1.34	1.44
18	b	4006	BCR	C10-C9	-4.38	1.25	1.35
14	L	1502	CLA	CHC-C1C	4.38	1.47	1.38
14	G	1127	CLA	C1D-ND	-4.38	1.32	1.37
14	G	1120	CLA	C3D-C4D	-4.38	1.34	1.44
14	B	1224	CLA	CHC-C1C	4.38	1.47	1.38
14	b	1206	CLA	C3C-C2C	4.38	1.46	1.36
14	l	1501	CLA	CHC-C1C	4.38	1.47	1.38
15	A	1121	F6C	CHD-C1D	4.38	1.47	1.38
14	b	1216	CLA	C3D-C4D	-4.38	1.34	1.44
15	a	1121	F6C	CHD-C1D	4.38	1.47	1.38
14	G	1102	CLA	CHD-C1D	4.38	1.47	1.38
14	a	1130	CLA	CHD-C1D	4.38	1.47	1.38
14	b	1224	CLA	CHC-C1C	4.38	1.47	1.38
14	H	1228	CLA	CHC-C1C	4.38	1.47	1.38
14	a	1102	CLA	C3D-C4D	-4.38	1.34	1.44
14	a	1110	CLA	C3D-C4D	-4.38	1.34	1.44
14	a	1133	CLA	C3D-C4D	-4.38	1.34	1.44
14	G	1139	CLA	C3C-C2C	4.38	1.46	1.36
15	b	1219	F6C	CHD-C1D	4.38	1.47	1.38
14	B	1220	CLA	C3D-C4D	-4.38	1.34	1.44
14	B	1211	CLA	C3C-C2C	4.38	1.46	1.36
14	b	1209	CLA	C3D-C4D	-4.38	1.34	1.44
14	H	1221	CLA	C3D-C4D	-4.37	1.34	1.44
14	a	1134	CLA	C3D-C4D	-4.37	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1022	CLA	C3D-C4D	-4.37	1.34	1.44
14	G	1112	CLA	CHD-C1D	4.37	1.47	1.38
14	H	1208	CLA	CHD-C1D	4.37	1.47	1.38
14	b	1202	CLA	C3C-C2C	4.37	1.46	1.36
14	G	1135	CLA	CHD-C1D	4.37	1.46	1.38
14	G	1127	CLA	C3D-C4D	-4.37	1.34	1.44
14	G	1138	CLA	C3D-C4D	-4.37	1.34	1.44
14	G	1105	CLA	CHD-C1D	4.37	1.46	1.38
14	B	1205	CLA	C1D-ND	-4.37	1.32	1.37
15	B	1219	F6C	CHD-C1D	4.37	1.47	1.38
14	G	1117	CLA	C3D-C4D	-4.37	1.34	1.44
14	b	1221	CLA	C3D-C4D	-4.37	1.34	1.44
14	l	1502	CLA	CHC-C1C	4.37	1.47	1.38
14	B	1221	CLA	C3D-C4D	-4.37	1.34	1.44
14	A	1127	CLA	C1D-ND	-4.37	1.32	1.37
14	b	1208	CLA	CHD-C1D	4.37	1.46	1.38
14	A	1112	CLA	CHD-C1D	4.37	1.46	1.38
14	B	1232	CLA	C3C-C2C	4.37	1.46	1.36
14	a	1107	CLA	C3C-C2C	4.36	1.46	1.36
14	A	1102	CLA	CHD-C1D	4.36	1.46	1.38
14	A	1110	CLA	CHD-C1D	4.36	1.46	1.38
15	H	1219	F6C	CHD-C1D	4.36	1.47	1.38
15	b	1237	F6C	CHC-C4B	4.36	1.47	1.38
14	A	1139	CLA	C3C-C2C	4.36	1.46	1.36
14	G	1132	CLA	O2D-CGD	4.36	1.44	1.33
14	H	1205	CLA	C3D-C4D	-4.36	1.34	1.44
18	B	4006	BCR	C10-C9	-4.36	1.25	1.35
14	G	1118	CLA	C3C-C2C	4.36	1.46	1.36
14	b	1211	CLA	C3C-C2C	4.36	1.46	1.36
14	H	1216	CLA	C3D-C4D	-4.36	1.34	1.44
14	H	1218	CLA	C3C-C2C	4.36	1.46	1.36
15	H	1237	F6C	CHC-C4B	4.36	1.47	1.38
14	A	1109	CLA	C3D-C4D	-4.36	1.34	1.44
14	G	1116	CLA	C3C-C2C	4.36	1.46	1.36
14	G	1139	CLA	CHD-C1D	4.36	1.46	1.38
14	H	1205	CLA	C1D-ND	-4.36	1.32	1.37
14	A	1102	CLA	C3D-C4D	-4.36	1.34	1.44
14	A	1127	CLA	C3D-C4D	-4.36	1.34	1.44
14	A	1120	CLA	CHC-C1C	4.36	1.47	1.38
14	U	1502	CLA	CHC-C1C	4.36	1.47	1.38
14	B	1231	CLA	CHD-C1D	4.36	1.46	1.38
14	A	1120	CLA	C3D-C4D	-4.36	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1109	CLA	C3D-C4D	-4.36	1.34	1.44
14	a	1131	CLA	C3C-C2C	4.36	1.46	1.36
15	G	1121	F6C	CHD-C1D	4.36	1.47	1.38
14	A	1134	CLA	C3D-C4D	-4.36	1.34	1.44
14	A	1131	CLA	C3C-C2C	4.36	1.46	1.36
14	A	1139	CLA	CHD-C1D	4.35	1.46	1.38
14	a	1120	CLA	C3D-C4D	-4.35	1.34	1.44
14	H	1211	CLA	C3C-C2C	4.35	1.46	1.36
14	A	1101	CLA	C3D-C4D	-4.35	1.34	1.44
14	A	1107	CLA	C3C-C2C	4.35	1.46	1.36
14	H	1233	CLA	CHC-C1C	4.35	1.47	1.38
14	b	1228	CLA	CHC-C1C	4.35	1.47	1.38
14	G	1136	CLA	C3C-C2C	4.35	1.46	1.36
14	a	1101	CLA	C3D-C4D	-4.35	1.34	1.44
14	a	1132	CLA	O2D-CGD	4.35	1.43	1.33
14	G	1110	CLA	CHD-C1D	4.35	1.46	1.38
14	G	1131	CLA	C3C-C2C	4.35	1.46	1.36
14	a	1139	CLA	C3C-C2C	4.35	1.46	1.36
14	A	1132	CLA	O2D-CGD	4.35	1.43	1.33
14	G	1120	CLA	CHC-C1C	4.35	1.47	1.38
14	a	1127	CLA	C3D-C4D	-4.35	1.34	1.44
14	B	1218	CLA	C3C-C2C	4.35	1.46	1.36
14	H	1209	CLA	CHD-C1D	4.35	1.46	1.38
14	b	1209	CLA	CHD-C1D	4.35	1.46	1.38
14	A	1136	CLA	C3C-C2C	4.35	1.46	1.36
14	G	1126	CLA	CHD-C1D	4.34	1.46	1.38
14	a	1139	CLA	CHD-C1D	4.34	1.46	1.38
14	a	1120	CLA	CHC-C1C	4.34	1.47	1.38
18	H	4006	BCR	C10-C9	-4.34	1.25	1.35
14	a	1112	CLA	CHD-C1D	4.34	1.46	1.38
14	G	1107	CLA	C3C-C2C	4.34	1.46	1.36
14	V	1501	CLA	CHC-C1C	4.34	1.47	1.38
14	G	1134	CLA	C3D-C4D	-4.34	1.34	1.44
14	m	1501	CLA	CHC-C1C	4.34	1.47	1.38
14	B	1205	CLA	C3D-C4D	-4.34	1.34	1.44
14	B	1233	CLA	CHC-C1C	4.34	1.47	1.38
14	H	1210	CLA	O2D-CGD	4.34	1.43	1.33
20	H	5002	LMG	O8-C28	4.34	1.46	1.33
14	b	1227	CLA	C3C-C2C	4.34	1.46	1.36
14	M	1501	CLA	CHC-C1C	4.34	1.47	1.38
14	b	1233	CLA	CHC-C1C	4.34	1.47	1.38
14	a	1135	CLA	CHD-C1D	4.34	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1209	CLA	CHD-C1D	4.34	1.46	1.38
14	b	1218	CLA	C3C-C2C	4.34	1.46	1.36
14	H	1227	CLA	CHC-C1C	4.34	1.47	1.38
14	a	1126	CLA	CHD-C1D	4.34	1.46	1.38
14	a	1127	CLA	C1D-ND	-4.34	1.32	1.37
14	H	1231	CLA	C3C-C2C	4.34	1.46	1.36
14	b	1231	CLA	C3C-C2C	4.34	1.46	1.36
14	G	1101	CLA	C3D-C4D	-4.33	1.34	1.44
14	H	1231	CLA	CHD-C1D	4.33	1.46	1.38
14	b	1205	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	1130	CLA	CHD-C1D	4.33	1.46	1.38
18	K	4001	BCR	C10-C9	-4.33	1.25	1.35
14	A	1116	CLA	C3C-C2C	4.33	1.46	1.36
14	B	1227	CLA	C3C-C2C	4.33	1.46	1.36
20	B	5002	LMG	O8-C28	4.33	1.46	1.33
18	T	4001	BCR	C10-C9	-4.33	1.25	1.35
14	b	1231	CLA	CHD-C1D	4.32	1.46	1.38
14	B	1023	CLA	C4B-NB	-4.32	1.32	1.37
14	H	1227	CLA	C3C-C2C	4.32	1.46	1.36
15	B	1207	F6C	C1C-NC	-4.32	1.32	1.37
14	G	1102	CLA	C3D-C4D	-4.32	1.34	1.44
15	H	1207	F6C	CHC-C4B	4.32	1.47	1.38
14	G	1135	CLA	C3C-C2C	4.32	1.46	1.36
14	G	1130	CLA	CHD-C1D	4.32	1.46	1.38
14	B	1210	CLA	O2D-CGD	4.32	1.43	1.33
14	a	1136	CLA	C3C-C2C	4.32	1.46	1.36
18	k	4001	BCR	C10-C9	-4.32	1.25	1.35
20	b	5002	LMG	O8-C28	4.32	1.45	1.33
14	A	1118	CLA	C3C-C2C	4.32	1.46	1.36
14	K	1401	CLA	C3D-C4D	-4.32	1.34	1.44
14	a	1116	CLA	C3C-C2C	4.32	1.46	1.36
15	B	1207	F6C	CHC-C4B	4.32	1.47	1.38
14	H	1022	CLA	C1D-ND	-4.32	1.32	1.37
14	a	1118	CLA	C3C-C2C	4.32	1.46	1.36
14	B	1231	CLA	C3C-C2C	4.31	1.46	1.36
14	L	1501	CLA	C3C-C2C	4.31	1.46	1.36
14	a	1131	CLA	CHD-C1D	4.31	1.46	1.38
14	B	1022	CLA	C1D-ND	-4.31	1.32	1.37
14	A	1117	CLA	CHD-C1D	4.31	1.46	1.38
18	b	4014	BCR	C10-C9	-4.31	1.25	1.35
14	B	1204	CLA	CHC-C1C	4.31	1.47	1.38
14	b	1217	CLA	C3C-C2C	4.31	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1217	CLA	C3D-C4D	-4.31	1.34	1.44
14	b	1233	CLA	C3D-C4D	-4.31	1.34	1.44
14	A	1126	CLA	CHD-C1D	4.31	1.46	1.38
14	a	1117	CLA	CHD-C1D	4.31	1.46	1.38
15	b	1207	F6C	CHC-C4B	4.31	1.47	1.38
14	B	1227	CLA	CHC-C1C	4.31	1.47	1.38
14	H	1023	CLA	C4B-NB	-4.31	1.32	1.37
14	G	1136	CLA	CHD-C1D	4.31	1.46	1.38
14	G	1117	CLA	CHD-C1D	4.31	1.46	1.38
14	G	1131	CLA	CHD-C1D	4.31	1.46	1.38
14	k	1401	CLA	C3D-C4D	-4.30	1.34	1.44
14	b	1203	CLA	CHC-C1C	4.30	1.47	1.38
14	U	1501	CLA	C3C-C2C	4.30	1.46	1.36
14	G	1134	CLA	O2D-CGD	4.30	1.43	1.33
20	I	5006	LMG	O8-C28	4.30	1.45	1.33
14	a	1135	CLA	C3C-C2C	4.30	1.46	1.36
20	R	5006	LMG	O8-C28	4.30	1.45	1.33
14	B	1233	CLA	C3D-C4D	-4.30	1.34	1.44
14	A	1131	CLA	CHD-C1D	4.30	1.46	1.38
14	H	1204	CLA	CHC-C1C	4.30	1.47	1.38
14	H	1222	CLA	CHC-C1C	4.30	1.47	1.38
14	B	1212	CLA	C3C-C2C	4.30	1.46	1.36
14	B	1217	CLA	C3C-C2C	4.30	1.46	1.36
14	T	1401	CLA	C3D-C4D	-4.30	1.34	1.44
18	H	4014	BCR	C10-C9	-4.30	1.25	1.35
14	A	1135	CLA	C3C-C2C	4.30	1.46	1.36
14	A	1134	CLA	O2D-CGD	4.30	1.43	1.33
18	B	4014	BCR	C10-C9	-4.29	1.25	1.35
14	b	1220	CLA	CHD-C1D	4.29	1.46	1.38
14	B	1239	CLA	C3D-C4D	-4.29	1.34	1.44
14	H	1239	CLA	C3D-C4D	-4.29	1.34	1.44
14	b	1217	CLA	C3D-C4D	-4.29	1.34	1.44
14	b	1212	CLA	C3C-C2C	4.29	1.46	1.36
14	A	1114	CLA	CHC-C1C	4.29	1.47	1.38
14	B	1203	CLA	CHC-C1C	4.29	1.47	1.38
14	H	1203	CLA	CHC-C1C	4.29	1.47	1.38
14	b	1239	CLA	C3D-C4D	-4.29	1.34	1.44
14	H	1220	CLA	CHD-C1D	4.29	1.46	1.38
14	H	1225	CLA	CHC-C1C	4.29	1.47	1.38
14	H	1233	CLA	C3D-C4D	-4.29	1.34	1.44
20	i	5006	LMG	O8-C28	4.29	1.45	1.33
14	G	1128	CLA	CHD-C1D	4.29	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1225	CLA	C1D-ND	-4.29	1.32	1.37
14	b	1023	CLA	C4B-NB	-4.29	1.32	1.37
14	b	1215	CLA	CHD-C1D	4.29	1.46	1.38
14	l	1501	CLA	C3C-C2C	4.29	1.46	1.36
14	b	1210	CLA	O2D-CGD	4.29	1.43	1.33
14	b	1227	CLA	CHC-C1C	4.29	1.47	1.38
15	H	1207	F6C	C1C-NC	-4.29	1.32	1.37
14	a	1103	CLA	CHC-C1C	4.29	1.47	1.38
14	B	1217	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	1210	CLA	CHD-C1D	4.29	1.46	1.38
14	B	1220	CLA	CHD-C1D	4.29	1.46	1.38
14	H	1210	CLA	CHD-C1D	4.29	1.46	1.38
14	a	1114	CLA	CHC-C1C	4.28	1.47	1.38
14	H	1212	CLA	C3C-C2C	4.28	1.46	1.36
14	b	1205	CLA	CHC-C1C	4.28	1.47	1.38
14	M	1501	CLA	C3C-C2C	4.28	1.46	1.36
14	B	1225	CLA	CHC-C1C	4.28	1.47	1.38
14	a	1127	CLA	CHC-C1C	4.28	1.47	1.38
14	a	1128	CLA	CHD-C1D	4.28	1.46	1.38
14	b	1220	CLA	C3C-C2C	4.28	1.46	1.36
14	a	1116	CLA	CHD-C1D	4.28	1.46	1.38
14	B	1222	CLA	CHC-C1C	4.28	1.47	1.38
14	G	1012	CLA	CHC-C1C	4.28	1.47	1.38
15	b	1230	F6C	CHD-C1D	4.28	1.47	1.38
14	B	1215	CLA	CHD-C1D	4.28	1.46	1.38
14	B	1220	CLA	C3C-C2C	4.27	1.46	1.36
14	A	1136	CLA	CHD-C1D	4.27	1.46	1.38
14	G	1103	CLA	CHC-C1C	4.27	1.47	1.38
14	m	1501	CLA	CHD-C1D	4.27	1.46	1.38
14	a	1134	CLA	O2D-CGD	4.27	1.43	1.33
14	H	1217	CLA	C3C-C2C	4.27	1.46	1.36
14	A	1116	CLA	CHD-C1D	4.27	1.46	1.38
14	a	1136	CLA	CHD-C1D	4.27	1.46	1.38
14	m	1501	CLA	C3C-C2C	4.27	1.46	1.36
14	M	1501	CLA	CHD-C1D	4.27	1.46	1.38
14	V	1501	CLA	CHD-C1D	4.27	1.46	1.38
14	A	1103	CLA	CHC-C1C	4.27	1.47	1.38
14	A	1141	CLA	CHD-C1D	4.27	1.46	1.38
15	B	1230	F6C	CHD-C1D	4.27	1.47	1.38
14	A	1104	CLA	CHC-C1C	4.27	1.47	1.38
14	b	1204	CLA	CHC-C1C	4.26	1.47	1.38
14	G	1140	CLA	CHC-C1C	4.26	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1220	CLA	C3C-C2C	4.26	1.46	1.36
14	b	1225	CLA	CHC-C1C	4.26	1.47	1.38
15	H	1230	F6C	CHD-C1D	4.26	1.47	1.38
14	G	1104	CLA	CHC-C1C	4.26	1.47	1.38
14	B	1201	CLA	C3C-C2C	4.26	1.46	1.36
14	G	1114	CLA	CHC-C1C	4.26	1.47	1.38
14	A	1119	CLA	CHD-C1D	4.26	1.46	1.38
14	b	1022	CLA	C1D-ND	-4.26	1.32	1.37
14	a	1012	CLA	CHC-C1C	4.26	1.47	1.38
14	b	1222	CLA	CHC-C1C	4.26	1.47	1.38
14	A	1140	CLA	CHC-C1C	4.26	1.47	1.38
14	a	1119	CLA	CHD-C1D	4.26	1.46	1.38
14	A	1013	CLA	C3D-C4D	-4.25	1.34	1.44
14	a	1139	CLA	C3D-C4D	-4.25	1.34	1.44
14	V	1501	CLA	C3C-C2C	4.25	1.45	1.36
14	G	1119	CLA	CHD-C1D	4.25	1.46	1.38
14	b	1210	CLA	CHD-C1D	4.25	1.46	1.38
14	G	1013	CLA	C3D-C4D	-4.25	1.34	1.44
14	A	1128	CLA	CHD-C1D	4.25	1.46	1.38
14	H	1217	CLA	CHD-C1D	4.25	1.46	1.38
14	B	1205	CLA	CHC-C1C	4.25	1.47	1.38
20	G	5003	LMG	O7-C10	4.25	1.46	1.34
20	A	5003	LMG	O7-C10	4.25	1.46	1.34
14	G	1141	CLA	CHD-C1D	4.25	1.46	1.38
14	a	1140	CLA	CHC-C1C	4.25	1.47	1.38
14	A	1012	CLA	CHC-C1C	4.25	1.47	1.38
14	L	1503	CLA	CHD-C1D	4.25	1.46	1.38
14	G	1116	CLA	CHD-C1D	4.25	1.46	1.38
14	H	1225	CLA	C1D-ND	-4.24	1.32	1.37
14	H	1201	CLA	C3C-C2C	4.24	1.45	1.36
14	a	1133	CLA	CHD-C1D	4.24	1.46	1.38
14	a	1141	CLA	CHD-C1D	4.24	1.46	1.38
20	A	5003	LMG	O8-C28	4.24	1.45	1.33
14	b	1217	CLA	CHD-C1D	4.24	1.46	1.38
20	a	5003	LMG	O8-C28	4.24	1.45	1.33
14	l	1503	CLA	CHD-C1D	4.24	1.46	1.38
14	G	1012	CLA	O2D-CGD	4.24	1.43	1.33
14	a	1013	CLA	C3D-C4D	-4.24	1.34	1.44
14	b	1225	CLA	C1D-ND	-4.24	1.32	1.37
14	b	1201	CLA	C3C-C2C	4.24	1.45	1.36
14	a	1012	CLA	O2D-CGD	4.24	1.43	1.33
20	a	5003	LMG	O7-C10	4.24	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1127	CLA	CHC-C1C	4.23	1.47	1.38
14	A	1139	CLA	C3D-C4D	-4.23	1.34	1.44
14	A	1012	CLA	O2D-CGD	4.23	1.43	1.33
14	a	1134	CLA	CHD-C1D	4.23	1.46	1.38
14	H	1221	CLA	C3C-C2C	4.23	1.45	1.36
19	a	5001	LHG	O7-C7	4.23	1.46	1.34
18	b	4004	BCR	C10-C9	-4.23	1.26	1.35
14	H	1205	CLA	CHC-C1C	4.23	1.47	1.38
14	H	1215	CLA	CHD-C1D	4.23	1.46	1.38
18	B	4004	BCR	C10-C9	-4.23	1.26	1.35
14	B	1217	CLA	CHD-C1D	4.23	1.46	1.38
14	b	1239	CLA	CHD-C1D	4.23	1.46	1.38
13	a	1011	CL0	CHC-C1C	4.23	1.47	1.38
14	a	1132	CLA	CHD-C1D	4.22	1.46	1.38
14	G	1106	CLA	CHD-C1D	4.22	1.46	1.38
14	U	1503	CLA	CHD-C1D	4.22	1.46	1.38
14	B	1221	CLA	C3C-C2C	4.22	1.45	1.36
18	H	4004	BCR	C10-C9	-4.22	1.26	1.35
14	B	1220	CLA	CHC-C1C	4.22	1.46	1.38
14	G	1139	CLA	C3D-C4D	-4.22	1.34	1.44
14	a	1104	CLA	CHC-C1C	4.22	1.46	1.38
13	G	1011	CL0	CHC-C1C	4.22	1.46	1.38
14	G	1132	CLA	CHD-C1D	4.22	1.46	1.38
14	b	1203	CLA	C3C-C2C	4.22	1.45	1.36
20	G	5003	LMG	O8-C28	4.22	1.45	1.33
14	B	1213	CLA	CHD-C1D	4.22	1.46	1.38
14	G	1127	CLA	CHC-C1C	4.22	1.46	1.38
14	G	1133	CLA	CHD-C1D	4.22	1.46	1.38
14	l	1503	CLA	CHC-C1C	4.21	1.46	1.38
14	b	1221	CLA	C3C-C2C	4.21	1.45	1.36
14	a	1012	CLA	CHD-C1D	4.21	1.46	1.38
14	G	1109	CLA	CHC-C1C	4.21	1.46	1.38
14	H	1213	CLA	CHD-C1D	4.21	1.46	1.38
14	b	1213	CLA	CHD-C1D	4.21	1.46	1.38
14	G	1125	CLA	C3C-C2C	4.21	1.45	1.36
14	A	1134	CLA	CHD-C1D	4.21	1.46	1.38
14	b	1220	CLA	CHC-C1C	4.21	1.46	1.38
14	H	1203	CLA	C3C-C2C	4.21	1.45	1.36
19	A	5001	LHG	O7-C7	4.21	1.46	1.34
14	b	1201	CLA	CHD-C1D	4.21	1.46	1.38
14	A	1012	CLA	CHD-C1D	4.21	1.46	1.38
14	b	1023	CLA	CHC-C1C	4.21	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1133	CLA	CHD-C1D	4.21	1.46	1.38
14	L	1503	CLA	CHC-C1C	4.21	1.46	1.38
14	A	1109	CLA	CHC-C1C	4.21	1.46	1.38
14	a	1115	CLA	C3C-C2C	4.21	1.45	1.36
14	G	1140	CLA	CHD-C1D	4.20	1.46	1.38
14	A	1125	CLA	C3C-C2C	4.20	1.45	1.36
14	b	1023	CLA	C1C-NC	-4.20	1.31	1.37
14	B	1203	CLA	C3C-C2C	4.20	1.45	1.36
13	A	1011	CL0	CHC-C1C	4.20	1.46	1.38
14	A	1106	CLA	CHD-C1D	4.20	1.46	1.38
14	B	1239	CLA	CHD-C1D	4.20	1.46	1.38
14	a	1109	CLA	CHC-C1C	4.20	1.46	1.38
14	A	1136	CLA	CHC-C1C	4.20	1.46	1.38
14	B	1201	CLA	CHD-C1D	4.20	1.46	1.38
14	H	1023	CLA	CHC-C1C	4.20	1.46	1.38
14	G	1134	CLA	CHD-C1D	4.20	1.46	1.38
14	B	1023	CLA	CHC-C1C	4.19	1.46	1.38
14	H	1201	CLA	CHD-C1D	4.19	1.46	1.38
14	a	1106	CLA	CHD-C1D	4.19	1.46	1.38
14	A	1140	CLA	CHD-C1D	4.19	1.46	1.38
14	H	1220	CLA	CHC-C1C	4.19	1.46	1.38
14	U	1503	CLA	CHC-C1C	4.19	1.46	1.38
14	A	1132	CLA	CHD-C1D	4.19	1.46	1.38
14	a	1140	CLA	CHD-C1D	4.19	1.46	1.38
14	G	1115	CLA	CHD-C1D	4.19	1.46	1.38
19	G	5001	LHG	O7-C7	4.19	1.46	1.34
14	A	1141	CLA	C3D-C4D	-4.19	1.34	1.44
14	G	1136	CLA	CHC-C1C	4.19	1.46	1.38
14	A	1138	CLA	CHD-C4C	4.19	1.48	1.39
14	A	1115	CLA	C3C-C2C	4.19	1.45	1.36
14	A	1135	CLA	CHC-C1C	4.19	1.46	1.38
14	G	1138	CLA	CHD-C4C	4.19	1.48	1.39
14	H	1206	CLA	C1B-NB	-4.19	1.32	1.37
14	G	1135	CLA	CHC-C1C	4.18	1.46	1.38
14	B	1226	CLA	C1B-NB	-4.18	1.32	1.37
14	a	1115	CLA	CHD-C1D	4.18	1.46	1.38
14	a	1135	CLA	CHC-C1C	4.18	1.46	1.38
14	a	1125	CLA	C3C-C2C	4.18	1.45	1.36
14	a	1141	CLA	C3D-C4D	-4.18	1.34	1.44
14	H	1212	CLA	CHC-C1C	4.18	1.46	1.38
14	a	1127	CLA	C3C-C2C	4.18	1.45	1.36
14	B	1212	CLA	CHC-C1C	4.18	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1023	CLA	C1C-NC	-4.18	1.31	1.37
14	G	1012	CLA	CHD-C1D	4.18	1.46	1.38
14	b	1213	CLA	C3C-C2C	4.18	1.45	1.36
14	a	1136	CLA	CHC-C1C	4.18	1.46	1.38
14	A	1115	CLA	CHD-C1D	4.18	1.46	1.38
14	H	1206	CLA	C1D-ND	-4.17	1.32	1.37
14	H	1239	CLA	CHD-C1D	4.17	1.46	1.38
14	G	1141	CLA	C3D-C4D	-4.17	1.34	1.44
14	a	1138	CLA	CHD-C4C	4.17	1.48	1.39
14	G	1115	CLA	C3C-C2C	4.17	1.45	1.36
14	H	1235	CLA	CHD-C1D	4.17	1.46	1.38
14	b	1212	CLA	CHC-C1C	4.17	1.46	1.38
14	B	1227	CLA	CHD-C1D	4.17	1.46	1.38
14	G	1013	CLA	C3C-C2C	4.17	1.45	1.36
14	A	1103	CLA	C3C-C2C	4.17	1.45	1.36
14	B	1235	CLA	CHD-C1D	4.17	1.46	1.38
14	A	1127	CLA	C3C-C2C	4.16	1.45	1.36
14	B	1022	CLA	O2D-CGD	4.16	1.43	1.33
14	H	1240	CLA	CHD-C4C	4.16	1.48	1.39
14	a	1122	CLA	CHC-C1C	4.16	1.46	1.38
19	l	5101	LHG	O8-C23	4.16	1.45	1.33
14	H	1227	CLA	CHD-C1D	4.16	1.46	1.38
14	A	1013	CLA	C3C-C2C	4.16	1.45	1.36
14	H	1215	CLA	CHC-C1C	4.16	1.46	1.38
14	G	1122	CLA	CHC-C1C	4.16	1.46	1.38
14	a	1013	CLA	C3C-C2C	4.16	1.45	1.36
14	b	1215	CLA	CHC-C1C	4.16	1.46	1.38
14	B	1204	CLA	C3C-C2C	4.15	1.45	1.36
14	a	1103	CLA	C3C-C2C	4.15	1.45	1.36
14	H	1226	CLA	C1B-NB	-4.15	1.32	1.37
14	b	1206	CLA	C1B-NB	-4.15	1.32	1.37
14	G	1120	CLA	C3C-C2C	4.15	1.45	1.36
14	B	1206	CLA	C1D-ND	-4.15	1.32	1.37
14	a	1103	CLA	CHD-C4C	4.15	1.48	1.39
14	H	1213	CLA	C3C-C2C	4.15	1.45	1.36
14	H	1023	CLA	C1C-NC	-4.15	1.31	1.37
14	b	1240	CLA	CHD-C4C	4.15	1.48	1.39
15	G	1121	F6C	C4A-NA	-4.15	1.32	1.37
15	H	1219	F6C	C4A-NA	-4.15	1.32	1.37
14	A	1120	CLA	C3C-C2C	4.14	1.45	1.36
14	H	1022	CLA	O2D-CGD	4.14	1.43	1.33
14	B	1240	CLA	CHD-C4C	4.14	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1213	CLA	C3C-C2C	4.14	1.45	1.36
14	H	1226	CLA	CHC-C1C	4.14	1.46	1.38
14	A	1122	CLA	CHD-C1D	4.14	1.46	1.38
14	b	1022	CLA	O2D-CGD	4.14	1.43	1.33
14	B	1206	CLA	C1B-NB	-4.14	1.32	1.37
14	G	1127	CLA	C3C-C2C	4.14	1.45	1.36
14	G	1128	CLA	C1B-NB	-4.14	1.32	1.37
14	b	1226	CLA	CHC-C1C	4.13	1.46	1.38
19	L	5101	LHG	O8-C23	4.13	1.45	1.33
14	B	1239	CLA	CHC-C1C	4.13	1.46	1.38
14	G	1122	CLA	CHD-C1D	4.13	1.46	1.38
14	G	1103	CLA	CHD-C4C	4.13	1.48	1.39
14	b	1239	CLA	CHC-C1C	4.13	1.46	1.38
14	A	1122	CLA	CHC-C1C	4.13	1.46	1.38
14	A	1138	CLA	CHC-C1C	4.13	1.46	1.38
14	B	1215	CLA	CHC-C1C	4.13	1.46	1.38
14	G	1103	CLA	C3C-C2C	4.13	1.45	1.36
14	B	1225	CLA	CHD-C1D	4.13	1.46	1.38
14	b	1227	CLA	CHD-C1D	4.13	1.46	1.38
14	b	1235	CLA	CHD-C1D	4.13	1.46	1.38
14	H	1239	CLA	CHC-C1C	4.13	1.46	1.38
15	b	1238	F6C	C3D-C4D	-4.13	1.33	1.44
14	H	1204	CLA	C3C-C2C	4.12	1.45	1.36
14	a	1123	CLA	C3C-C2C	4.12	1.45	1.36
14	b	1226	CLA	C1B-NB	-4.12	1.32	1.37
15	A	1121	F6C	C4A-NA	-4.12	1.32	1.37
14	A	1103	CLA	CHD-C4C	4.12	1.48	1.39
14	a	1138	CLA	C3C-C2C	4.12	1.45	1.36
19	U	5101	LHG	O8-C23	4.12	1.45	1.33
14	b	1206	CLA	C1D-ND	-4.12	1.32	1.37
14	B	1226	CLA	CHC-C1C	4.12	1.46	1.38
14	A	1123	CLA	C3C-C2C	4.12	1.45	1.36
14	a	1120	CLA	C3C-C2C	4.12	1.45	1.36
15	B	1238	F6C	C3D-C4D	-4.12	1.33	1.44
15	a	1121	F6C	C4A-NA	-4.12	1.32	1.37
14	b	1204	CLA	C3C-C2C	4.11	1.45	1.36
14	G	1138	CLA	C3C-C2C	4.11	1.45	1.36
14	a	1128	CLA	C1D-ND	-4.11	1.32	1.37
14	a	1122	CLA	CHD-C1D	4.11	1.46	1.38
14	G	1123	CLA	C3C-C2C	4.11	1.45	1.36
15	B	1219	F6C	C4A-NA	-4.10	1.32	1.37
19	A	5002	LHG	O8-C23	4.10	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1205	CLA	C3C-C2C	4.10	1.45	1.36
14	b	1225	CLA	CHD-C1D	4.10	1.46	1.38
15	a	1121	F6C	CHC-C4B	4.10	1.46	1.38
14	A	1138	CLA	C3C-C2C	4.10	1.45	1.36
14	a	1117	CLA	C3C-C2C	4.10	1.45	1.36
14	H	1205	CLA	C3C-C2C	4.10	1.45	1.36
14	G	1138	CLA	CHC-C1C	4.10	1.46	1.38
15	H	1238	F6C	C3D-C4D	-4.10	1.33	1.44
19	a	5002	LHG	O8-C23	4.10	1.45	1.33
14	a	1138	CLA	CHC-C1C	4.10	1.46	1.38
15	A	1121	F6C	CHC-C4B	4.10	1.46	1.38
14	H	1225	CLA	CHD-C1D	4.09	1.46	1.38
14	G	1137	CLA	CHC-C1C	4.09	1.46	1.38
19	G	5002	LHG	O8-C23	4.09	1.45	1.33
14	b	1222	CLA	CHD-C1D	4.09	1.46	1.38
15	G	1121	F6C	CHC-C4B	4.09	1.46	1.38
14	A	1128	CLA	C1B-NB	-4.09	1.32	1.37
14	G	1128	CLA	C1D-ND	-4.09	1.32	1.37
14	A	1117	CLA	C3C-C2C	4.08	1.45	1.36
14	G	1117	CLA	C3C-C2C	4.08	1.45	1.36
14	U	1502	CLA	CHD-C1D	4.08	1.46	1.38
19	a	5002	LHG	O7-C7	4.08	1.45	1.34
14	H	1215	CLA	C3C-C2C	4.08	1.45	1.36
14	a	1107	CLA	CHD-C1D	4.08	1.46	1.38
19	l	5102	LHG	O8-C23	4.08	1.45	1.33
19	L	5102	LHG	O8-C23	4.08	1.45	1.33
14	L	1502	CLA	CHD-C1D	4.08	1.46	1.38
14	H	1224	CLA	C1D-ND	-4.08	1.32	1.37
14	G	1104	CLA	C3C-C2C	4.08	1.45	1.36
14	a	1128	CLA	C1B-NB	-4.07	1.32	1.37
14	A	1128	CLA	C1D-ND	-4.07	1.32	1.37
14	H	1021	CLA	C3C-C2C	4.07	1.45	1.36
19	A	5002	LHG	O7-C7	4.06	1.45	1.34
14	B	1204	CLA	C1D-ND	-4.06	1.32	1.37
14	b	1205	CLA	C3C-C2C	4.06	1.45	1.36
14	b	1021	CLA	C3C-C2C	4.06	1.45	1.36
14	B	1222	CLA	CHD-C1D	4.06	1.46	1.38
19	U	5102	LHG	O8-C23	4.06	1.45	1.33
14	H	1023	CLA	C3C-C2C	4.06	1.45	1.36
19	G	5002	LHG	O7-C7	4.06	1.45	1.34
14	a	1104	CLA	C3C-C2C	4.06	1.45	1.36
14	l	1501	CLA	CHD-C1D	4.05	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1224	CLA	C1D-ND	-4.05	1.32	1.37
14	B	1023	CLA	C3C-C2C	4.05	1.45	1.36
14	H	1222	CLA	CHD-C1D	4.05	1.46	1.38
14	l	1502	CLA	CHD-C1D	4.05	1.46	1.38
14	A	1131	CLA	CHC-C1C	4.05	1.46	1.38
14	B	1215	CLA	C3C-C2C	4.05	1.45	1.36
14	B	1021	CLA	C3C-C2C	4.05	1.45	1.36
14	L	1501	CLA	CHD-C1D	4.05	1.46	1.38
14	H	1236	CLA	O2D-CGD	4.05	1.43	1.33
14	B	1224	CLA	C1D-ND	-4.04	1.32	1.37
14	b	1221	CLA	CHD-C1D	4.04	1.46	1.38
14	a	1131	CLA	CHC-C1C	4.04	1.46	1.38
14	A	1104	CLA	C3C-C2C	4.04	1.45	1.36
14	U	1501	CLA	CHD-C1D	4.04	1.46	1.38
15	b	1219	F6C	C4A-NA	-4.04	1.32	1.37
14	a	1111	CLA	C3C-C2C	4.04	1.45	1.36
14	A	1137	CLA	CHC-C1C	4.04	1.46	1.38
14	G	1131	CLA	CHC-C1C	4.04	1.46	1.38
14	b	1215	CLA	C3C-C2C	4.04	1.45	1.36
14	b	1236	CLA	O2D-CGD	4.04	1.43	1.33
14	b	1228	CLA	CHD-C4C	4.04	1.48	1.39
14	k	1401	CLA	CHD-C1D	4.04	1.46	1.38
14	b	1023	CLA	C3C-C2C	4.04	1.45	1.36
14	B	1021	CLA	CHC-C1C	4.04	1.46	1.38
14	A	1107	CLA	CHD-C1D	4.03	1.46	1.38
14	b	1204	CLA	C1D-ND	-4.03	1.32	1.37
14	b	1206	CLA	CHD-C1D	4.03	1.46	1.38
14	b	1211	CLA	CHD-C1D	4.03	1.46	1.38
14	A	1111	CLA	CHD-C1D	4.03	1.46	1.38
14	G	1111	CLA	C3C-C2C	4.03	1.45	1.36
14	A	1111	CLA	C3C-C2C	4.03	1.45	1.36
14	B	1211	CLA	CHD-C1D	4.03	1.46	1.38
14	B	1236	CLA	O2D-CGD	4.03	1.43	1.33
14	G	1107	CLA	CHD-C1D	4.03	1.46	1.38
14	G	1128	CLA	CHC-C1C	4.03	1.46	1.38
14	K	1401	CLA	CHD-C1D	4.02	1.46	1.38
14	b	1204	CLA	CHD-C1D	4.02	1.46	1.38
14	A	1128	CLA	CHC-C1C	4.02	1.46	1.38
14	G	1111	CLA	CHD-C1D	4.02	1.46	1.38
14	T	1401	CLA	CHD-C1D	4.02	1.46	1.38
14	b	1021	CLA	CHC-C1C	4.02	1.46	1.38
14	H	1204	CLA	C1D-ND	-4.02	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1021	CLA	CHC-C1C	4.02	1.46	1.38
14	B	1228	CLA	CHD-C4C	4.02	1.48	1.39
15	B	1230	F6C	CHC-C1C	4.02	1.48	1.39
14	a	1129	CLA	CHD-C1D	4.02	1.46	1.38
14	b	1023	CLA	C1D-ND	-4.02	1.32	1.37
14	a	1111	CLA	CHD-C1D	4.01	1.46	1.38
14	a	1137	CLA	CHC-C1C	4.01	1.46	1.38
14	B	1206	CLA	CHD-C1D	4.01	1.46	1.38
14	a	1109	CLA	CHD-C4C	4.01	1.48	1.39
14	H	1228	CLA	CHD-C4C	4.01	1.48	1.39
14	G	1129	CLA	CHD-C1D	4.01	1.46	1.38
18	R	4020	BCR	C11-C12	-4.01	1.24	1.34
14	H	1023	CLA	C1B-NB	-4.01	1.32	1.37
15	H	1230	F6C	CHC-C1C	4.00	1.48	1.39
14	H	1218	CLA	CHD-C1D	4.00	1.46	1.38
15	b	1230	F6C	CHC-C1C	4.00	1.48	1.39
14	H	1232	CLA	CHD-C4C	4.00	1.48	1.39
14	G	1123	CLA	CHD-C1D	4.00	1.46	1.38
14	H	1223	CLA	CHD-C1D	4.00	1.46	1.38
14	B	1216	CLA	CHD-C4C	4.00	1.48	1.39
14	a	1128	CLA	CHC-C1C	4.00	1.46	1.38
14	A	1129	CLA	CHD-C1D	4.00	1.46	1.38
18	I	4020	BCR	C11-C12	-4.00	1.24	1.34
14	B	1221	CLA	CHD-C1D	4.00	1.46	1.38
14	B	1204	CLA	CHD-C1D	4.00	1.46	1.38
14	b	1223	CLA	CHD-C1D	4.00	1.46	1.38
14	B	1023	CLA	C1D-ND	-3.99	1.32	1.37
14	B	1231	CLA	CHD-C4C	3.99	1.48	1.39
14	b	1232	CLA	CHD-C4C	3.99	1.48	1.39
14	B	1223	CLA	CHD-C1D	3.99	1.46	1.38
14	A	1109	CLA	CHD-C4C	3.99	1.48	1.39
14	G	1102	CLA	CHC-C4B	3.99	1.48	1.39
14	H	1206	CLA	CHD-C1D	3.99	1.46	1.38
14	b	1218	CLA	CHD-C1D	3.99	1.46	1.38
14	H	1221	CLA	CHD-C1D	3.99	1.46	1.38
14	H	1231	CLA	CHD-C4C	3.99	1.48	1.39
14	a	1114	CLA	CHD-C4C	3.99	1.48	1.39
14	H	1216	CLA	CHD-C4C	3.99	1.48	1.39
14	H	1211	CLA	CHD-C1D	3.99	1.46	1.38
14	a	1102	CLA	CHC-C4B	3.99	1.48	1.39
14	H	1023	CLA	C1D-ND	-3.99	1.32	1.37
14	B	1210	CLA	C3C-C2C	3.98	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	i	4020	BCR	C11-C12	-3.98	1.24	1.34
14	b	1216	CLA	CHD-C4C	3.98	1.48	1.39
14	B	1218	CLA	CHD-C1D	3.98	1.46	1.38
14	A	1102	CLA	CHC-C4B	3.98	1.48	1.39
14	A	1123	CLA	CHD-C1D	3.98	1.46	1.38
14	H	1204	CLA	CHD-C1D	3.98	1.46	1.38
14	B	1232	CLA	CHD-C4C	3.98	1.48	1.39
14	G	1109	CLA	CHD-C4C	3.97	1.48	1.39
14	b	1210	CLA	C3C-C2C	3.97	1.45	1.36
14	b	1231	CLA	CHD-C4C	3.97	1.48	1.39
14	H	1210	CLA	C3C-C2C	3.97	1.45	1.36
14	G	1114	CLA	CHD-C4C	3.97	1.48	1.39
14	H	1204	CLA	CHD-C4C	3.97	1.48	1.39
14	b	1226	CLA	CHD-C4C	3.97	1.48	1.39
14	G	1134	CLA	CHC-C4B	3.97	1.48	1.39
14	b	1212	CLA	CHD-C4C	3.97	1.48	1.39
20	I	5006	LMG	O7-C10	3.97	1.45	1.34
14	B	1226	CLA	CHD-C4C	3.97	1.48	1.39
14	B	1204	CLA	CHD-C4C	3.96	1.48	1.39
14	H	1211	CLA	CHC-C4B	3.96	1.48	1.39
14	A	1114	CLA	CHD-C4C	3.96	1.48	1.39
15	b	1237	F6C	C1C-NC	-3.96	1.32	1.37
14	B	1023	CLA	C1B-NB	-3.96	1.32	1.37
14	a	1130	CLA	C1D-ND	-3.96	1.32	1.37
14	H	1206	CLA	CHC-C1C	3.96	1.46	1.38
14	G	1118	CLA	CHD-C1D	3.96	1.46	1.38
14	a	1139	CLA	CHC-C4B	3.96	1.48	1.39
14	a	1134	CLA	CHC-C4B	3.96	1.48	1.39
20	i	5006	LMG	O7-C10	3.96	1.45	1.34
14	b	1204	CLA	CHD-C4C	3.96	1.48	1.39
14	A	1134	CLA	CHC-C4B	3.96	1.48	1.39
14	B	1212	CLA	CHD-C4C	3.96	1.48	1.39
14	a	1133	CLA	CHC-C1C	3.96	1.46	1.38
14	B	1211	CLA	CHC-C4B	3.96	1.48	1.39
14	B	1225	CLA	C1B-NB	-3.96	1.32	1.37
14	H	1212	CLA	CHD-C4C	3.95	1.48	1.39
20	R	5006	LMG	O7-C10	3.95	1.45	1.34
14	b	1023	CLA	C1B-NB	-3.95	1.32	1.37
14	A	1137	CLA	CHD-C1D	3.95	1.46	1.38
15	H	1230	F6C	CHD-C4C	3.95	1.48	1.39
14	A	1118	CLA	CHD-C1D	3.95	1.46	1.38
14	H	1226	CLA	CHD-C4C	3.95	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	1207	F6C	CHD-C1D	3.95	1.46	1.38
14	G	1124	CLA	CHD-C1D	3.95	1.46	1.38
14	B	1202	CLA	CHD-C1D	3.95	1.46	1.38
14	b	1214	CLA	CHD-C4C	3.95	1.48	1.39
14	A	1124	CLA	CHD-C1D	3.95	1.46	1.38
14	b	1225	CLA	C1B-NB	-3.95	1.32	1.37
14	B	1206	CLA	CHC-C1C	3.95	1.46	1.38
14	a	1118	CLA	CHD-C1D	3.95	1.46	1.38
14	a	1123	CLA	CHD-C1D	3.95	1.46	1.38
14	H	1202	CLA	CHD-C1D	3.95	1.46	1.38
14	B	1214	CLA	CHD-C4C	3.94	1.48	1.39
14	b	1226	CLA	C1D-ND	-3.94	1.32	1.37
14	b	1211	CLA	CHC-C4B	3.94	1.48	1.39
14	b	1229	CLA	CHD-C4C	3.94	1.48	1.39
14	B	1229	CLA	CHD-C4C	3.94	1.48	1.39
15	b	1207	F6C	CHD-C1D	3.94	1.46	1.38
18	L	4019	BCR	C11-C12	-3.94	1.24	1.34
14	a	1124	CLA	CHD-C1D	3.94	1.46	1.38
15	H	1238	F6C	CHD-C1D	3.94	1.46	1.38
14	A	1102	CLA	CHD-C4C	3.94	1.48	1.39
18	G	4004	BCR	C11-C12	-3.93	1.24	1.34
14	b	1202	CLA	CHD-C1D	3.93	1.46	1.38
14	G	1137	CLA	CHD-C1D	3.93	1.46	1.38
14	H	1229	CLA	CHD-C4C	3.93	1.48	1.39
14	a	1102	CLA	CHD-C4C	3.93	1.48	1.39
14	b	1206	CLA	CHC-C1C	3.93	1.46	1.38
14	G	1127	CLA	CHD-C1D	3.93	1.46	1.38
14	a	1137	CLA	CHD-C1D	3.93	1.46	1.38
14	A	1139	CLA	CHC-C4B	3.93	1.48	1.39
18	a	4004	BCR	C11-C12	-3.93	1.24	1.34
14	G	1137	CLA	C1D-ND	-3.93	1.32	1.37
15	H	1207	F6C	CHD-C1D	3.92	1.46	1.38
18	U	4019	BCR	C11-C12	-3.92	1.24	1.34
14	H	1225	CLA	C1B-NB	-3.92	1.32	1.37
14	A	1130	CLA	C1D-ND	-3.92	1.32	1.37
14	G	1117	CLA	CHC-C1C	3.92	1.46	1.38
14	b	1213	CLA	CHD-C4C	3.92	1.48	1.39
15	B	1238	F6C	CHD-C1D	3.92	1.46	1.38
19	l	5102	LHG	O7-C7	3.92	1.45	1.34
14	G	1130	CLA	C1D-ND	-3.92	1.32	1.37
14	A	1117	CLA	CHC-C1C	3.92	1.46	1.38
15	b	1207	F6C	C3D-C4D	-3.92	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1117	CLA	CHC-C1C	3.92	1.46	1.38
14	A	1133	CLA	CHC-C1C	3.92	1.46	1.38
19	U	5102	LHG	O7-C7	3.92	1.45	1.34
18	A	4004	BCR	C11-C12	-3.91	1.24	1.34
15	H	1207	F6C	C3D-C4D	-3.91	1.33	1.44
14	B	1234	CLA	CHD-C1D	3.91	1.46	1.38
14	G	1102	CLA	CHD-C4C	3.91	1.48	1.39
19	L	5102	LHG	O7-C7	3.91	1.45	1.34
14	H	1214	CLA	CHD-C4C	3.91	1.48	1.39
18	l	4019	BCR	C11-C12	-3.91	1.24	1.34
15	B	1207	F6C	C3D-C4D	-3.91	1.33	1.44
14	B	1236	CLA	CHC-C4B	3.91	1.48	1.39
14	G	1139	CLA	CHC-C4B	3.91	1.48	1.39
14	G	1141	CLA	CHD-C4C	3.91	1.48	1.39
14	b	1236	CLA	CHC-C4B	3.91	1.48	1.39
14	b	1233	CLA	CHD-C4C	3.91	1.48	1.39
14	A	1127	CLA	CHD-C1D	3.91	1.46	1.38
14	A	1137	CLA	C1D-ND	-3.91	1.32	1.37
14	a	1013	CLA	C1B-NB	-3.91	1.32	1.37
14	H	1234	CLA	CHD-C1D	3.90	1.46	1.38
15	b	1238	F6C	CHD-C1D	3.90	1.46	1.38
19	l	5101	LHG	O7-C7	3.90	1.45	1.34
14	H	1233	CLA	CHD-C4C	3.90	1.48	1.39
15	B	1230	F6C	CHD-C4C	3.90	1.48	1.39
14	A	1139	CLA	CHD-C4C	3.90	1.48	1.39
14	H	1213	CLA	CHD-C4C	3.90	1.48	1.39
14	b	1202	CLA	C1D-ND	-3.90	1.32	1.37
14	b	1234	CLA	CHD-C1D	3.90	1.46	1.38
14	G	1139	CLA	CHD-C4C	3.90	1.48	1.39
14	a	1137	CLA	C1D-ND	-3.89	1.32	1.37
15	b	1230	F6C	CHD-C4C	3.89	1.48	1.39
19	L	5101	LHG	O7-C7	3.89	1.45	1.34
14	G	1126	CLA	CHD-C4C	3.89	1.48	1.39
14	a	1135	CLA	CHD-C4C	3.89	1.48	1.39
14	a	1129	CLA	C1D-ND	-3.89	1.32	1.37
15	B	1237	F6C	C1C-NC	-3.89	1.32	1.37
14	A	1135	CLA	CHD-C4C	3.89	1.48	1.39
14	G	1115	CLA	C1D-ND	-3.89	1.32	1.37
14	G	1133	CLA	CHC-C1C	3.89	1.46	1.38
14	a	1141	CLA	CHD-C4C	3.89	1.48	1.39
14	B	1233	CLA	CHD-C4C	3.89	1.48	1.39
15	B	1219	F6C	CHC-C1C	3.88	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1130	CLA	CHD-C4C	3.88	1.48	1.39
14	A	1141	CLA	CHD-C4C	3.88	1.48	1.39
15	H	1219	F6C	CHC-C1C	3.88	1.48	1.39
19	U	5101	LHG	O7-C7	3.88	1.45	1.34
14	H	1236	CLA	C1D-ND	-3.88	1.32	1.37
14	m	1501	CLA	CHB-C1B	3.88	1.48	1.39
14	A	1129	CLA	C1D-ND	-3.88	1.32	1.37
14	a	1112	CLA	CHD-C4C	3.88	1.48	1.39
14	a	1139	CLA	CHD-C4C	3.88	1.48	1.39
14	a	1130	CLA	CHD-C4C	3.88	1.48	1.39
14	A	1013	CLA	C1B-NB	-3.88	1.32	1.37
14	B	1213	CLA	CHD-C4C	3.88	1.48	1.39
14	B	1236	CLA	C1D-ND	-3.87	1.32	1.37
14	B	1022	CLA	CHC-C4B	3.87	1.48	1.39
14	k	1401	CLA	CHD-C4C	3.87	1.48	1.39
14	H	1022	CLA	CHC-C4B	3.87	1.48	1.39
14	H	1236	CLA	CHC-C4B	3.87	1.48	1.39
14	A	1130	CLA	CHD-C4C	3.87	1.48	1.39
14	A	1126	CLA	CHD-C4C	3.87	1.48	1.39
14	A	1108	CLA	CHD-C4C	3.87	1.48	1.39
14	a	1127	CLA	CHD-C1D	3.87	1.46	1.38
15	b	1219	F6C	CHD-C4C	3.87	1.48	1.39
14	a	1126	CLA	CHD-C4C	3.87	1.48	1.39
14	V	1501	CLA	CHB-C1B	3.87	1.48	1.39
14	G	1135	CLA	CHD-C4C	3.87	1.48	1.39
14	G	1125	CLA	C1C-NC	-3.87	1.31	1.37
14	B	1202	CLA	C1D-ND	-3.87	1.32	1.37
15	H	1237	F6C	C1C-NC	-3.87	1.32	1.37
15	H	1237	F6C	C1D-ND	-3.87	1.31	1.37
14	a	1116	CLA	CHC-C4B	3.87	1.48	1.39
14	K	1401	CLA	CHD-C4C	3.87	1.48	1.39
14	M	1501	CLA	CHB-C1B	3.87	1.48	1.39
14	b	1233	CLA	CHC-C4B	3.87	1.48	1.39
14	a	1108	CLA	CHD-C4C	3.86	1.48	1.39
14	G	1116	CLA	CHC-C4B	3.86	1.48	1.39
14	b	1208	CLA	CHD-C4C	3.86	1.48	1.39
14	A	1115	CLA	C1D-ND	-3.86	1.32	1.37
14	B	1226	CLA	C1D-ND	-3.86	1.32	1.37
14	b	1239	CLA	CHD-C4C	3.86	1.48	1.39
15	b	1219	F6C	CHC-C1C	3.86	1.48	1.39
14	a	1125	CLA	C1C-NC	-3.86	1.31	1.37
15	B	1219	F6C	CHD-C4C	3.86	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1239	CLA	CHD-C4C	3.86	1.48	1.39
14	a	1012	CLA	C1D-ND	-3.86	1.32	1.37
14	A	1125	CLA	C1C-NC	-3.86	1.31	1.37
14	b	1022	CLA	CHC-C4B	3.86	1.48	1.39
14	H	1218	CLA	CHD-C4C	3.85	1.48	1.39
14	A	1101	CLA	CHC-C4B	3.85	1.48	1.39
14	b	1224	CLA	CHD-C1D	3.85	1.45	1.38
15	H	1219	F6C	CHD-C4C	3.85	1.48	1.39
14	G	1108	CLA	CHD-C4C	3.85	1.48	1.39
14	B	1233	CLA	CHC-C4B	3.85	1.48	1.39
14	T	1401	CLA	CHD-C4C	3.85	1.48	1.39
14	b	1236	CLA	C1D-ND	-3.85	1.32	1.37
14	H	1208	CLA	CHD-C4C	3.85	1.48	1.39
14	a	1120	CLA	CHD-C4C	3.85	1.48	1.39
14	H	1226	CLA	C1D-ND	-3.85	1.32	1.37
14	A	1105	CLA	CHD-C4C	3.85	1.48	1.39
14	A	1120	CLA	CHD-C4C	3.85	1.48	1.39
14	B	1218	CLA	CHD-C4C	3.85	1.48	1.39
14	G	1120	CLA	CHD-C4C	3.85	1.48	1.39
14	H	1205	CLA	CHD-C1D	3.84	1.45	1.38
15	b	1207	F6C	MG-NC	3.84	2.13	2.05
14	A	1112	CLA	CHD-C4C	3.84	1.47	1.39
14	H	1202	CLA	C1D-ND	-3.84	1.32	1.37
14	H	1224	CLA	CHD-C1D	3.84	1.45	1.38
14	G	1113	CLA	CHC-C4B	3.84	1.48	1.39
15	b	1237	F6C	C3D-C4D	-3.84	1.34	1.44
14	l	1501	CLA	CHB-C1B	3.84	1.48	1.39
14	b	1215	CLA	CHD-C4C	3.84	1.47	1.39
14	A	1110	CLA	CHD-C4C	3.84	1.47	1.39
15	B	1237	F6C	C3D-C4D	-3.84	1.34	1.44
14	U	1501	CLA	CHB-C1B	3.84	1.48	1.39
14	G	1110	CLA	CHD-C4C	3.84	1.47	1.39
14	A	1116	CLA	CHC-C4B	3.84	1.48	1.39
14	G	1101	CLA	CHC-C4B	3.84	1.48	1.39
14	L	1501	CLA	CHB-C1B	3.84	1.48	1.39
14	b	1218	CLA	CHD-C4C	3.83	1.47	1.39
14	B	1215	CLA	CHD-C4C	3.83	1.47	1.39
14	B	1208	CLA	CHD-C4C	3.83	1.47	1.39
14	B	1224	CLA	CHD-C1D	3.83	1.45	1.38
15	B	1207	F6C	MG-NC	3.83	2.13	2.05
14	b	1202	CLA	CHC-C4B	3.83	1.48	1.39
14	a	1115	CLA	C1D-ND	-3.83	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1215	CLA	CHD-C4C	3.83	1.47	1.39
14	H	1239	CLA	CHD-C4C	3.83	1.47	1.39
14	a	1101	CLA	CHC-C4B	3.83	1.48	1.39
14	G	1105	CLA	CHD-C4C	3.82	1.47	1.39
14	B	1202	CLA	CHC-C4B	3.82	1.48	1.39
14	G	1013	CLA	C1B-NB	-3.82	1.32	1.37
14	B	1234	CLA	CHC-C4B	3.82	1.48	1.39
15	b	1237	F6C	C1D-ND	-3.82	1.31	1.37
14	a	1105	CLA	CHD-C4C	3.82	1.47	1.39
14	G	1131	CLA	C1D-ND	-3.82	1.32	1.37
15	B	1237	F6C	C1D-ND	-3.82	1.31	1.37
14	A	1113	CLA	CHC-C4B	3.82	1.48	1.39
14	G	1112	CLA	CHD-C4C	3.82	1.47	1.39
14	B	1205	CLA	CHD-C1D	3.82	1.45	1.38
14	G	1131	CLA	CHD-C4C	3.82	1.47	1.39
14	H	1233	CLA	CHC-C4B	3.82	1.48	1.39
15	b	1207	F6C	C4A-NA	-3.81	1.32	1.37
14	a	1110	CLA	CHD-C4C	3.81	1.47	1.39
15	H	1237	F6C	C3D-C4D	-3.81	1.34	1.44
14	a	1131	CLA	C1D-ND	-3.81	1.32	1.37
15	b	1219	F6C	MG-NC	3.81	2.13	2.05
14	a	1131	CLA	CHD-C4C	3.81	1.47	1.39
15	H	1207	F6C	MG-NC	3.81	2.13	2.05
14	G	1141	CLA	CHC-C4B	3.81	1.48	1.39
14	G	1129	CLA	C1D-ND	-3.81	1.32	1.37
18	b	4010	BCR	C11-C12	-3.81	1.24	1.34
14	b	1231	CLA	CHC-C4B	3.81	1.48	1.39
18	B	4010	BCR	C11-C12	-3.81	1.24	1.34
14	H	1234	CLA	CHC-C4B	3.80	1.47	1.39
14	A	1131	CLA	CHD-C4C	3.80	1.47	1.39
14	a	1118	CLA	C1D-ND	-3.80	1.32	1.37
14	H	1201	CLA	CHC-C4B	3.80	1.47	1.39
14	b	1234	CLA	CHC-C4B	3.80	1.47	1.39
14	G	1115	CLA	CHD-C4C	3.80	1.47	1.39
14	A	1115	CLA	CHD-C4C	3.80	1.47	1.39
14	a	1113	CLA	CHC-C4B	3.80	1.47	1.39
14	A	1012	CLA	C1D-ND	-3.80	1.32	1.37
20	H	5002	LMG	O7-C10	3.80	1.45	1.34
14	b	1201	CLA	CHC-C4B	3.79	1.47	1.39
14	B	1201	CLA	CHC-C4B	3.79	1.47	1.39
14	a	1101	CLA	CHD-C4C	3.79	1.47	1.39
15	B	1207	F6C	C4A-NA	-3.79	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	1219	F6C	MG-NC	3.79	2.13	2.05
14	G	1101	CLA	CHD-C4C	3.79	1.47	1.39
14	b	1213	CLA	CHC-C4B	3.79	1.47	1.39
14	A	1119	CLA	CHD-C4C	3.79	1.47	1.39
14	a	1115	CLA	CHD-C4C	3.79	1.47	1.39
14	a	1119	CLA	CHD-C4C	3.79	1.47	1.39
14	B	1213	CLA	CHC-C4B	3.79	1.47	1.39
14	G	1119	CLA	CHD-C4C	3.79	1.47	1.39
14	G	1012	CLA	C1D-ND	-3.79	1.32	1.37
14	H	1202	CLA	CHC-C4B	3.79	1.47	1.39
14	k	1401	CLA	CHC-C4B	3.79	1.47	1.39
13	a	1011	CL0	CHB-C1B	3.79	1.47	1.39
14	a	1115	CLA	CHC-C4B	3.79	1.47	1.39
14	A	1101	CLA	CHD-C4C	3.78	1.47	1.39
15	H	1207	F6C	C4A-NA	-3.78	1.32	1.37
14	A	1131	CLA	C1D-ND	-3.78	1.32	1.37
18	H	4010	BCR	C11-C12	-3.78	1.24	1.34
15	H	1219	F6C	MG-NC	3.78	2.13	2.05
14	b	1205	CLA	CHD-C1D	3.78	1.45	1.38
14	K	1401	CLA	CHC-C4B	3.78	1.47	1.39
15	G	1121	F6C	CHD-C4C	3.78	1.47	1.39
14	H	1231	CLA	CHC-C4B	3.78	1.47	1.39
20	B	5002	LMG	O7-C10	3.78	1.44	1.34
15	H	1219	F6C	CHB-C1B	3.78	1.47	1.39
14	a	1110	CLA	CHC-C4B	3.77	1.47	1.39
14	G	1107	CLA	CHC-C4B	3.77	1.47	1.39
14	A	1141	CLA	CHC-C4B	3.77	1.47	1.39
14	H	1213	CLA	CHC-C4B	3.77	1.47	1.39
18	G	4005	BCR	C11-C12	-3.77	1.24	1.34
14	B	1231	CLA	CHC-C4B	3.77	1.47	1.39
15	H	1219	F6C	C3D-C4D	-3.77	1.34	1.44
14	H	1202	CLA	CHD-C4C	3.77	1.47	1.39
14	H	1218	CLA	C1D-ND	-3.77	1.32	1.37
14	a	1118	CLA	CHD-C4C	3.77	1.47	1.39
15	B	1219	F6C	CHB-C1B	3.77	1.47	1.39
13	A	1011	CL0	CHB-C1B	3.77	1.47	1.39
20	b	5002	LMG	O7-C10	3.76	1.44	1.34
14	A	1116	CLA	CHD-C4C	3.76	1.47	1.39
14	A	1107	CLA	CHC-C4B	3.76	1.47	1.39
14	T	1401	CLA	CHB-C1B	3.76	1.47	1.39
14	a	1141	CLA	CHC-C4B	3.76	1.47	1.39
14	a	1116	CLA	CHD-C4C	3.76	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1110	CLA	CHC-C4B	3.76	1.47	1.39
14	A	1118	CLA	CHD-C4C	3.76	1.47	1.39
13	G	1011	CL0	CHB-C1B	3.76	1.47	1.39
14	A	1118	CLA	C1D-ND	-3.76	1.32	1.37
14	A	1124	CLA	C1D-ND	-3.76	1.32	1.37
14	H	1223	CLA	CHC-C4B	3.76	1.47	1.39
14	a	1107	CLA	CHC-C4B	3.76	1.47	1.39
15	A	1121	F6C	CHD-C4C	3.76	1.47	1.39
14	a	1117	CLA	C1D-ND	-3.76	1.32	1.37
14	B	1202	CLA	CHD-C4C	3.76	1.47	1.39
14	G	1116	CLA	CHD-C4C	3.75	1.47	1.39
14	H	1209	CLA	CHD-C4C	3.75	1.47	1.39
14	T	1401	CLA	CHC-C4B	3.75	1.47	1.39
20	H	5002	LMG	C37-C36	-3.75	1.33	1.51
14	A	1115	CLA	CHC-C4B	3.75	1.47	1.39
20	B	5002	LMG	C37-C36	-3.75	1.33	1.51
14	G	1110	CLA	CHC-C4B	3.75	1.47	1.39
14	G	1124	CLA	C1D-ND	-3.75	1.32	1.37
15	B	1219	F6C	C3D-C4D	-3.75	1.34	1.44
14	G	1118	CLA	CHD-C4C	3.75	1.47	1.39
20	a	5003	LMG	C40-C39	-3.75	1.33	1.51
20	b	5002	LMG	C37-C36	-3.75	1.33	1.51
14	B	1235	CLA	CHD-C4C	3.75	1.47	1.39
14	H	1235	CLA	CHD-C4C	3.74	1.47	1.39
14	b	1235	CLA	CHD-C4C	3.74	1.47	1.39
18	B	4017	BCR	C11-C12	-3.74	1.24	1.34
14	G	1120	CLA	C1D-ND	-3.74	1.32	1.37
14	H	1229	CLA	CHC-C4B	3.74	1.47	1.39
20	B	5002	LMG	C22-C21	-3.74	1.33	1.51
18	A	4005	BCR	C11-C12	-3.74	1.24	1.34
15	a	1121	F6C	CHD-C4C	3.74	1.47	1.39
14	H	1222	CLA	CHD-C4C	3.74	1.47	1.39
14	a	1124	CLA	C1D-ND	-3.74	1.32	1.37
14	K	1401	CLA	CHB-C1B	3.74	1.47	1.39
14	G	1117	CLA	C1D-ND	-3.74	1.32	1.37
20	b	5002	LMG	C22-C21	-3.74	1.33	1.51
15	b	1219	F6C	C3D-C4D	-3.74	1.34	1.44
14	b	1209	CLA	CHD-C4C	3.74	1.47	1.39
14	l	1503	CLA	CHD-C4C	3.74	1.47	1.39
14	a	1107	CLA	C1D-ND	-3.74	1.32	1.37
14	A	1117	CLA	C1D-ND	-3.74	1.33	1.37
14	G	1113	CLA	CHB-C1B	3.74	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	A	5003	LMG	C40-C39	-3.74	1.33	1.51
14	G	1118	CLA	C1D-ND	-3.74	1.33	1.37
14	G	1101	CLA	CHB-C1B	3.74	1.47	1.39
14	b	1202	CLA	CHD-C4C	3.74	1.47	1.39
14	a	1101	CLA	OBD-CAD	3.74	1.28	1.22
14	B	1223	CLA	CHC-C4B	3.74	1.47	1.39
20	G	5003	LMG	C40-C39	-3.73	1.33	1.51
15	G	1121	F6C	MG-NC	3.73	2.13	2.05
18	a	4005	BCR	C11-C12	-3.73	1.24	1.34
14	G	1119	CLA	CHC-C4B	3.73	1.47	1.39
14	B	1209	CLA	CHD-C4C	3.73	1.47	1.39
14	b	1222	CLA	CHD-C4C	3.73	1.47	1.39
14	G	1115	CLA	CHC-C4B	3.73	1.47	1.39
14	H	1021	CLA	MG-ND	-3.73	1.98	2.05
14	B	1218	CLA	C1D-ND	-3.73	1.33	1.37
15	b	1219	F6C	CHB-C1B	3.73	1.47	1.39
15	b	1238	F6C	MG-NC	3.73	2.13	2.05
14	b	1223	CLA	CHC-C4B	3.73	1.47	1.39
14	k	1401	CLA	CHB-C1B	3.73	1.47	1.39
14	B	1222	CLA	CHD-C4C	3.73	1.47	1.39
14	A	1111	CLA	CHC-C4B	3.73	1.47	1.39
14	a	1101	CLA	CHB-C1B	3.73	1.47	1.39
20	H	5002	LMG	C22-C21	-3.73	1.33	1.51
14	G	1101	CLA	OBD-CAD	3.72	1.28	1.22
14	A	1119	CLA	CHC-C4B	3.72	1.47	1.39
15	a	1121	F6C	C3D-C4D	-3.72	1.34	1.44
14	b	1229	CLA	CHC-C4B	3.72	1.47	1.39
14	A	1101	CLA	OBD-CAD	3.72	1.28	1.22
14	U	1502	CLA	C1D-ND	-3.72	1.33	1.37
14	H	1211	CLA	CHD-C4C	3.72	1.47	1.39
18	H	4017	BCR	C11-C12	-3.72	1.25	1.34
14	A	1136	CLA	CHD-C4C	3.72	1.47	1.39
14	A	1120	CLA	C1D-ND	-3.72	1.33	1.37
14	b	1218	CLA	C1D-ND	-3.72	1.33	1.37
14	B	1229	CLA	CHC-C4B	3.72	1.47	1.39
14	a	1111	CLA	CHC-C4B	3.72	1.47	1.39
18	G	4003	BCR	C11-C12	-3.72	1.25	1.34
20	G	5003	LMG	C43-C42	-3.72	1.33	1.51
14	B	1211	CLA	CHD-C4C	3.72	1.47	1.39
15	A	1121	F6C	MG-NC	3.72	2.13	2.05
20	a	5003	LMG	C43-C42	-3.71	1.33	1.51
14	a	1136	CLA	CHD-C4C	3.71	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1136	CLA	CHD-C4C	3.71	1.47	1.39
14	A	1101	CLA	CHB-C1B	3.71	1.47	1.39
14	L	1503	CLA	CHD-C4C	3.71	1.47	1.39
14	U	1502	CLA	CHD-C4C	3.71	1.47	1.39
18	b	4017	BCR	C11-C12	-3.71	1.25	1.34
14	H	1233	CLA	OBD-CAD	3.71	1.28	1.22
14	A	1012	CLA	CHD-C4C	3.71	1.47	1.39
14	a	1139	CLA	OBD-CAD	3.71	1.28	1.22
14	B	1220	CLA	CHD-C4C	3.71	1.47	1.39
20	A	5003	LMG	C43-C42	-3.71	1.33	1.51
14	G	1111	CLA	CHC-C4B	3.71	1.47	1.39
18	A	4003	BCR	C11-C12	-3.71	1.25	1.34
14	B	1203	CLA	CHD-C1D	3.71	1.45	1.38
14	l	1502	CLA	CHD-C4C	3.71	1.47	1.39
14	H	1209	CLA	CHC-C4B	3.71	1.47	1.39
14	G	1012	CLA	CHD-C4C	3.71	1.47	1.39
14	a	1113	CLA	CHB-C1B	3.70	1.47	1.39
14	a	1119	CLA	CHC-C4B	3.70	1.47	1.39
20	G	5003	LMG	C37-C36	-3.70	1.33	1.51
14	V	1501	CLA	CHD-C4C	3.70	1.47	1.39
15	a	1121	F6C	MG-NC	3.70	2.13	2.05
14	G	1140	CLA	CHD-C4C	3.70	1.47	1.39
14	G	1108	CLA	CHC-C4B	3.70	1.47	1.39
20	A	5003	LMG	C37-C36	-3.70	1.33	1.51
14	a	1012	CLA	CHD-C4C	3.70	1.47	1.39
15	B	1238	F6C	MG-NC	3.70	2.13	2.05
14	A	1102	CLA	OBD-CAD	3.70	1.28	1.22
20	a	5003	LMG	C37-C36	-3.70	1.33	1.51
14	b	1220	CLA	CHD-C4C	3.70	1.47	1.39
20	H	5002	LMG	C19-C18	-3.70	1.33	1.51
14	U	1503	CLA	CHD-C4C	3.70	1.47	1.39
14	m	1501	CLA	CHD-C4C	3.70	1.47	1.39
14	b	1203	CLA	CHD-C1D	3.70	1.45	1.38
15	A	1121	F6C	C3D-C4D	-3.70	1.34	1.44
14	l	1503	CLA	C1D-ND	-3.70	1.33	1.37
14	M	1501	CLA	CHD-C4C	3.70	1.47	1.39
14	G	1133	CLA	CHB-C1B	3.70	1.47	1.39
14	U	1503	CLA	C1D-ND	-3.70	1.33	1.37
20	B	5002	LMG	C19-C18	-3.69	1.33	1.51
14	A	1113	CLA	CHB-C1B	3.69	1.47	1.39
14	H	1217	CLA	CHB-C1B	3.69	1.47	1.39
14	A	1104	CLA	CHD-C1D	3.69	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1201	CLA	CHD-C4C	3.69	1.47	1.39
14	H	1203	CLA	CHD-C1D	3.69	1.45	1.38
14	G	1104	CLA	CHD-C1D	3.69	1.45	1.38
18	a	4003	BCR	C11-C12	-3.69	1.25	1.34
14	B	1233	CLA	OBD-CAD	3.69	1.28	1.22
14	H	1210	CLA	OBD-CAD	3.69	1.28	1.22
14	G	1124	CLA	CHD-C4C	3.69	1.47	1.39
14	B	1021	CLA	MG-ND	-3.69	1.98	2.05
14	b	1021	CLA	MG-ND	-3.69	1.98	2.05
14	b	1211	CLA	CHD-C4C	3.69	1.47	1.39
14	G	1102	CLA	OBD-CAD	3.69	1.28	1.22
14	a	1104	CLA	CHD-C1D	3.69	1.45	1.38
14	b	1210	CLA	OBD-CAD	3.69	1.28	1.22
14	L	1502	CLA	CHD-C4C	3.69	1.47	1.39
14	a	1106	CLA	CHD-C4C	3.68	1.47	1.39
14	A	1107	CLA	C1D-ND	-3.68	1.33	1.37
20	b	5002	LMG	C19-C18	-3.68	1.33	1.51
14	G	1118	CLA	CHC-C4B	3.68	1.47	1.39
14	H	1021	CLA	C1B-NB	-3.68	1.33	1.37
14	A	1140	CLA	CHD-C4C	3.68	1.47	1.39
14	H	1220	CLA	CHD-C4C	3.68	1.47	1.39
14	B	1021	CLA	C1B-NB	-3.68	1.33	1.37
14	L	1503	CLA	C1D-ND	-3.68	1.33	1.37
14	G	1104	CLA	C1D-ND	-3.68	1.33	1.37
14	B	1217	CLA	CHB-C1B	3.68	1.47	1.39
14	a	1013	CLA	CHC-C4B	3.68	1.47	1.39
14	G	1107	CLA	C1D-ND	-3.68	1.33	1.37
14	a	1102	CLA	OBD-CAD	3.68	1.28	1.22
14	b	1021	CLA	C1B-NB	-3.68	1.33	1.37
14	B	1210	CLA	OBD-CAD	3.68	1.28	1.22
15	H	1219	F6C	OBD-CAD	3.68	1.28	1.22
15	H	1230	F6C	C3D-C4D	-3.68	1.34	1.44
14	b	1233	CLA	OBD-CAD	3.68	1.28	1.22
14	A	1133	CLA	CHB-C1B	3.68	1.47	1.39
14	B	1221	CLA	C1D-ND	-3.68	1.33	1.37
14	l	1502	CLA	C1D-ND	-3.68	1.33	1.37
14	G	1126	CLA	C1D-ND	-3.67	1.33	1.37
15	G	1121	F6C	C3D-C4D	-3.67	1.34	1.44
14	B	1205	CLA	MG-ND	-3.67	1.98	2.05
14	b	1205	CLA	MG-ND	-3.67	1.98	2.05
14	A	1113	CLA	CHD-C4C	3.67	1.47	1.39
14	L	1502	CLA	C1D-ND	-3.67	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1221	CLA	C1D-ND	-3.67	1.33	1.37
15	b	1230	F6C	C3D-C4D	-3.67	1.34	1.44
14	a	1140	CLA	CHD-C4C	3.67	1.47	1.39
14	A	1108	CLA	CHC-C4B	3.67	1.47	1.39
15	B	1230	F6C	C3D-C4D	-3.67	1.34	1.44
14	G	1113	CLA	CHD-C4C	3.67	1.47	1.39
15	B	1219	F6C	OBD-CAD	3.67	1.28	1.22
14	b	1218	CLA	CHC-C4B	3.67	1.47	1.39
14	H	1218	CLA	CHC-C4B	3.67	1.47	1.39
14	b	1210	CLA	CHC-C4B	3.67	1.47	1.39
14	H	1221	CLA	C1D-ND	-3.67	1.33	1.37
14	a	1120	CLA	C1D-ND	-3.67	1.33	1.37
14	a	1126	CLA	C1D-ND	-3.67	1.33	1.37
14	B	1209	CLA	CHC-C4B	3.66	1.47	1.39
14	A	1113	CLA	OBD-CAD	3.66	1.28	1.22
14	A	1118	CLA	CHC-C4B	3.66	1.47	1.39
14	G	1013	CLA	CHC-C4B	3.66	1.47	1.39
14	G	1134	CLA	CHD-C4C	3.66	1.47	1.39
14	A	1124	CLA	CHD-C4C	3.66	1.47	1.39
14	B	1201	CLA	CHD-C4C	3.66	1.47	1.39
15	b	1219	F6C	OBD-CAD	3.66	1.28	1.22
13	a	1011	CL0	CHD-C1D	3.66	1.45	1.38
14	B	1218	CLA	CHC-C4B	3.66	1.47	1.39
14	H	1235	CLA	CHC-C4B	3.66	1.47	1.39
14	B	1210	CLA	CHC-C4B	3.66	1.47	1.39
14	H	1210	CLA	CHC-C4B	3.66	1.47	1.39
14	A	1106	CLA	CHD-C4C	3.66	1.47	1.39
14	a	1108	CLA	CHC-C4B	3.66	1.47	1.39
14	a	1129	CLA	CHC-C4B	3.66	1.47	1.39
14	H	1205	CLA	MG-ND	-3.66	1.98	2.05
14	H	1217	CLA	CHD-C4C	3.66	1.47	1.39
14	a	1123	CLA	CHB-C1B	3.66	1.47	1.39
14	A	1139	CLA	OBD-CAD	3.66	1.28	1.22
14	G	1113	CLA	OBD-CAD	3.66	1.28	1.22
15	H	1238	F6C	MG-NC	3.66	2.13	2.05
14	a	1124	CLA	CHD-C4C	3.66	1.47	1.39
14	a	1118	CLA	CHC-C4B	3.65	1.47	1.39
14	A	1013	CLA	CHC-C4B	3.65	1.47	1.39
15	G	1121	F6C	CHB-C1B	3.65	1.47	1.39
14	G	1139	CLA	OBD-CAD	3.65	1.28	1.22
14	A	1120	CLA	CHD-C1D	3.65	1.45	1.38
14	a	1113	CLA	CHD-C4C	3.65	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1011	CL0	CHD-C1D	3.65	1.45	1.38
14	B	1217	CLA	CHD-C4C	3.65	1.47	1.39
14	b	1209	CLA	CHC-C4B	3.65	1.47	1.39
14	H	1221	CLA	C1B-NB	-3.65	1.33	1.37
14	a	1120	CLA	CHD-C1D	3.65	1.45	1.38
14	B	1235	CLA	CHC-C4B	3.65	1.47	1.39
14	b	1217	CLA	CHD-C4C	3.65	1.47	1.39
15	A	1121	F6C	CHB-C1B	3.65	1.47	1.39
14	b	1201	CLA	CHD-C4C	3.65	1.47	1.39
14	a	1114	CLA	CHC-C4B	3.65	1.47	1.39
14	A	1123	CLA	CHB-C1B	3.64	1.47	1.39
15	b	1230	F6C	MG-NC	3.64	2.13	2.05
14	A	1125	CLA	CHC-C4B	3.64	1.47	1.39
14	G	1123	CLA	CHB-C1B	3.64	1.47	1.39
14	A	1129	CLA	CHC-C4B	3.64	1.47	1.39
14	a	1105	CLA	CHC-C4B	3.64	1.47	1.39
14	H	1227	CLA	CHD-C4C	3.64	1.47	1.39
14	a	1107	CLA	CHB-C1B	3.64	1.47	1.39
14	a	1133	CLA	CHB-C1B	3.64	1.47	1.39
14	A	1129	CLA	CHD-C4C	3.64	1.47	1.39
14	a	1113	CLA	OBD-CAD	3.64	1.28	1.22
14	B	1022	CLA	CHD-C1D	3.64	1.45	1.38
14	U	1501	CLA	CHD-C4C	3.64	1.47	1.39
14	a	1129	CLA	CHD-C4C	3.64	1.47	1.39
14	b	1235	CLA	CHC-C4B	3.64	1.47	1.39
14	G	1129	CLA	CHC-C4B	3.64	1.47	1.39
13	G	1011	CL0	CHD-C1D	3.64	1.45	1.38
14	G	1106	CLA	CHD-C4C	3.64	1.47	1.39
15	a	1121	F6C	CHB-C1B	3.64	1.47	1.39
14	A	1122	CLA	C3C-C2C	3.64	1.44	1.36
14	G	1125	CLA	CHC-C4B	3.64	1.47	1.39
14	a	1117	CLA	CHD-C4C	3.64	1.47	1.39
14	A	1105	CLA	CHC-C4B	3.64	1.47	1.39
14	A	1134	CLA	CHD-C4C	3.64	1.47	1.39
14	G	1120	CLA	CHD-C1D	3.64	1.45	1.38
14	b	1234	CLA	CHB-C1B	3.64	1.47	1.39
14	A	1107	CLA	CHB-C1B	3.64	1.47	1.39
14	G	1105	CLA	CHC-C4B	3.64	1.47	1.39
14	a	1125	CLA	CHC-C4B	3.63	1.47	1.39
18	L	4022	BCR	C11-C12	-3.63	1.25	1.34
13	G	1011	CL0	C1B-NB	-3.63	1.33	1.37
14	B	1227	CLA	C1D-ND	-3.63	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1022	CLA	CHD-C1D	3.63	1.45	1.38
14	G	1114	CLA	CHC-C4B	3.63	1.47	1.39
13	A	1011	CL0	C1B-NB	-3.63	1.33	1.37
14	L	1501	CLA	CHD-C4C	3.63	1.47	1.39
14	G	1107	CLA	CHB-C1B	3.63	1.47	1.39
14	b	1217	CLA	CHB-C1B	3.63	1.47	1.39
14	A	1117	CLA	CHD-C4C	3.63	1.47	1.39
14	M	1501	CLA	OBD-CAD	3.63	1.28	1.22
14	G	1127	CLA	C1B-NB	-3.63	1.33	1.37
14	m	1501	CLA	OBD-CAD	3.63	1.28	1.22
14	G	1122	CLA	C3C-C2C	3.63	1.44	1.36
14	a	1140	CLA	CHC-C4B	3.63	1.47	1.39
14	A	1140	CLA	CHC-C4B	3.62	1.47	1.39
14	a	1134	CLA	CHD-C4C	3.62	1.47	1.39
14	H	1229	CLA	OBD-CAD	3.62	1.28	1.22
14	B	1217	CLA	CHC-C4B	3.62	1.47	1.39
14	B	1221	CLA	C1B-NB	-3.62	1.33	1.37
14	G	1132	CLA	CHD-C4C	3.62	1.47	1.39
14	A	1141	CLA	CHB-C1B	3.62	1.47	1.39
14	G	1141	CLA	CHB-C1B	3.62	1.47	1.39
18	U	4022	BCR	C11-C12	-3.62	1.25	1.34
15	B	1230	F6C	MG-NC	3.62	2.13	2.05
14	G	1137	CLA	CHD-C4C	3.62	1.47	1.39
13	a	1011	CL0	C1B-NB	-3.62	1.33	1.37
14	b	1229	CLA	OBD-CAD	3.62	1.28	1.22
14	H	1206	CLA	CHD-C4C	3.62	1.47	1.39
14	H	1217	CLA	CHC-C4B	3.62	1.47	1.39
14	B	1240	CLA	CHC-C4B	3.62	1.47	1.39
14	A	1126	CLA	C1D-ND	-3.62	1.33	1.37
14	B	1227	CLA	CHD-C4C	3.62	1.47	1.39
14	H	1227	CLA	C1D-ND	-3.62	1.33	1.37
14	G	1104	CLA	CHD-C4C	3.62	1.47	1.39
14	A	1137	CLA	CHD-C4C	3.62	1.47	1.39
14	a	1141	CLA	CHB-C1B	3.62	1.47	1.39
14	G	1109	CLA	OBD-CAD	3.62	1.28	1.22
14	a	1122	CLA	C3C-C2C	3.61	1.44	1.36
14	a	1104	CLA	C1D-ND	-3.61	1.33	1.37
14	B	1234	CLA	CHB-C1B	3.61	1.47	1.39
14	B	1229	CLA	OBD-CAD	3.61	1.28	1.22
14	A	1132	CLA	CHD-C4C	3.61	1.47	1.39
14	G	1129	CLA	CHD-C4C	3.61	1.47	1.39
14	a	1137	CLA	CHD-C4C	3.61	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1231	CLA	OBD-CAD	3.61	1.28	1.22
14	G	1130	CLA	C1B-NB	-3.61	1.33	1.37
14	b	1022	CLA	CHD-C1D	3.61	1.45	1.38
14	b	1221	CLA	C1B-NB	-3.61	1.33	1.37
18	l	4022	BCR	C11-C12	-3.61	1.25	1.34
18	a	4006	BCR	C11-C12	-3.61	1.25	1.34
14	A	1114	CLA	CHC-C4B	3.61	1.47	1.39
14	G	1117	CLA	CHD-C4C	3.61	1.47	1.39
15	H	1230	F6C	MG-NC	3.61	2.12	2.05
14	H	1221	CLA	CHC-C4B	3.61	1.47	1.39
14	b	1217	CLA	CHC-C4B	3.61	1.47	1.39
14	a	1104	CLA	CHD-C4C	3.61	1.47	1.39
14	a	1133	CLA	C1D-ND	-3.60	1.33	1.37
14	b	1023	CLA	CHD-C1D	3.60	1.45	1.38
14	A	1127	CLA	C1B-NB	-3.60	1.33	1.37
14	b	1227	CLA	CHD-C4C	3.60	1.47	1.39
14	V	1501	CLA	OBD-CAD	3.60	1.28	1.22
14	U	1502	CLA	CHC-C4B	3.60	1.47	1.39
14	b	1240	CLA	CHC-C4B	3.60	1.47	1.39
14	H	1234	CLA	CHB-C1B	3.60	1.47	1.39
18	A	4006	BCR	C11-C12	-3.60	1.25	1.34
14	b	1227	CLA	C1D-ND	-3.60	1.33	1.37
15	b	1238	F6C	CHC-C1C	3.60	1.47	1.39
14	B	1233	CLA	CHB-C1B	3.60	1.47	1.39
14	H	1233	CLA	CHB-C1B	3.60	1.47	1.39
14	l	1501	CLA	CHD-C4C	3.60	1.47	1.39
14	a	1118	CLA	CHB-C1B	3.60	1.47	1.39
14	a	1132	CLA	CHD-C4C	3.60	1.47	1.39
14	G	1140	CLA	CHC-C4B	3.60	1.47	1.39
14	A	1104	CLA	CHD-C4C	3.60	1.47	1.39
14	A	1109	CLA	OBD-CAD	3.60	1.28	1.22
14	H	1240	CLA	CHC-C4B	3.59	1.47	1.39
14	B	1231	CLA	OBD-CAD	3.59	1.28	1.22
14	b	1208	CLA	OBD-CAD	3.59	1.28	1.22
14	b	1206	CLA	CHD-C4C	3.59	1.47	1.39
14	B	1221	CLA	CHC-C4B	3.59	1.47	1.39
14	a	1140	CLA	C1D-ND	-3.59	1.33	1.37
14	G	1118	CLA	CHB-C1B	3.59	1.47	1.39
14	A	1104	CLA	C1D-ND	-3.59	1.33	1.37
18	G	4006	BCR	C11-C12	-3.59	1.25	1.34
14	a	1112	CLA	OBD-CAD	3.59	1.28	1.22
14	B	1240	CLA	OBD-CAD	3.59	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1021	CLA	CHD-C1D	3.59	1.45	1.38
14	H	1239	CLA	CHC-C4B	3.59	1.47	1.39
14	G	1133	CLA	C1D-ND	-3.59	1.33	1.37
14	b	1203	CLA	C1D-ND	-3.59	1.33	1.37
14	G	1112	CLA	OBD-CAD	3.59	1.28	1.22
14	A	1130	CLA	C1B-NB	-3.58	1.33	1.37
14	G	1122	CLA	C1D-ND	-3.58	1.33	1.37
14	l	1503	CLA	C1B-NB	-3.58	1.33	1.37
14	B	1206	CLA	CHD-C4C	3.58	1.47	1.39
14	a	1132	CLA	CHC-C4B	3.58	1.47	1.39
14	A	1136	CLA	C1D-ND	-3.58	1.33	1.37
14	A	1132	CLA	CHC-C4B	3.58	1.47	1.39
14	b	1233	CLA	CHB-C1B	3.58	1.47	1.39
14	A	1140	CLA	C1D-ND	-3.58	1.33	1.37
14	H	1240	CLA	OBD-CAD	3.58	1.28	1.22
14	a	1109	CLA	OBD-CAD	3.58	1.28	1.22
14	G	1136	CLA	C1D-ND	-3.58	1.33	1.37
14	B	1021	CLA	CHD-C1D	3.58	1.45	1.38
14	G	1106	CLA	CHC-C4B	3.58	1.47	1.39
14	l	1501	CLA	CHC-C4B	3.58	1.47	1.39
14	H	1021	CLA	CHD-C1D	3.58	1.45	1.38
14	L	1502	CLA	CHC-C4B	3.58	1.47	1.39
14	L	1501	CLA	CHC-C4B	3.58	1.47	1.39
14	U	1501	CLA	CHC-C4B	3.58	1.47	1.39
14	A	1118	CLA	CHB-C1B	3.58	1.47	1.39
14	a	1136	CLA	C1D-ND	-3.57	1.33	1.37
14	A	1112	CLA	OBD-CAD	3.57	1.28	1.22
14	A	1133	CLA	C1D-ND	-3.57	1.33	1.37
14	a	1127	CLA	C1B-NB	-3.57	1.33	1.37
14	B	1220	CLA	CHB-C1B	3.57	1.47	1.39
14	b	1216	CLA	CHC-C4B	3.57	1.47	1.39
14	b	1220	CLA	CHB-C1B	3.57	1.47	1.39
14	b	1215	CLA	C1D-ND	-3.57	1.33	1.37
14	a	1140	CLA	CHB-C1B	3.57	1.47	1.39
14	G	1140	CLA	C1D-ND	-3.57	1.33	1.37
14	a	1125	CLA	CHB-C1B	3.57	1.47	1.39
14	b	1209	CLA	C1D-ND	-3.57	1.33	1.37
14	H	1203	CLA	C1D-ND	-3.57	1.33	1.37
14	B	1023	CLA	CHD-C1D	3.57	1.45	1.38
14	b	1231	CLA	OBD-CAD	3.57	1.28	1.22
15	H	1237	F6C	CHD-C1D	3.57	1.45	1.38
14	B	1203	CLA	C1D-ND	-3.57	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1102	CLA	CHB-C1B	3.57	1.47	1.39
14	A	1108	CLA	CHB-C1B	3.56	1.47	1.39
14	G	1132	CLA	CHC-C4B	3.56	1.47	1.39
14	G	1140	CLA	CHB-C1B	3.56	1.47	1.39
14	b	1240	CLA	OBD-CAD	3.56	1.28	1.22
14	A	1122	CLA	C1D-ND	-3.56	1.33	1.37
14	a	1116	CLA	CHB-C1B	3.56	1.47	1.39
14	G	1125	CLA	CHB-C1B	3.56	1.47	1.39
14	b	1221	CLA	CHC-C4B	3.56	1.47	1.39
14	B	1223	CLA	CHD-C4C	3.56	1.47	1.39
14	l	1502	CLA	CHC-C4B	3.56	1.47	1.39
14	B	1208	CLA	CHC-C4B	3.56	1.47	1.39
14	B	1239	CLA	CHC-C4B	3.56	1.47	1.39
14	A	1106	CLA	CHC-C4B	3.56	1.47	1.39
14	a	1136	CLA	CHC-C4B	3.56	1.47	1.39
14	G	1104	CLA	CHB-C1B	3.56	1.47	1.39
14	G	1124	CLA	CHC-C4B	3.56	1.47	1.39
14	a	1106	CLA	CHC-C4B	3.56	1.47	1.39
14	a	1114	CLA	OBD-CAD	3.56	1.28	1.22
14	a	1129	CLA	C1B-NB	-3.56	1.33	1.37
14	A	1140	CLA	CHB-C1B	3.56	1.47	1.39
14	b	1239	CLA	CHC-C4B	3.56	1.47	1.39
14	B	1232	CLA	CHC-C4B	3.56	1.47	1.39
18	m	4021	BCR	C11-C12	-3.56	1.25	1.34
14	a	1104	CLA	CHB-C1B	3.56	1.47	1.39
14	H	1223	CLA	CHD-C4C	3.55	1.47	1.39
14	H	1224	CLA	CHD-C4C	3.55	1.47	1.39
14	A	1103	CLA	C1D-ND	-3.55	1.33	1.37
14	H	1216	CLA	CHC-C4B	3.55	1.47	1.39
14	m	1501	CLA	CHC-C4B	3.55	1.47	1.39
14	H	1232	CLA	CHC-C4B	3.55	1.47	1.39
14	L	1503	CLA	C1B-NB	-3.55	1.33	1.37
14	a	1107	CLA	OBD-CAD	3.55	1.28	1.22
14	G	1132	CLA	C1D-ND	-3.55	1.33	1.37
14	a	1130	CLA	C1B-NB	-3.55	1.33	1.37
14	G	1106	CLA	CHB-C1B	3.55	1.47	1.39
14	b	1208	CLA	CHC-C4B	3.55	1.47	1.39
14	A	1107	CLA	OBD-CAD	3.55	1.28	1.22
14	G	1013	CLA	OBD-CAD	3.55	1.28	1.22
14	G	1103	CLA	C1D-ND	-3.55	1.33	1.37
18	R	4018	BCR	C11-C12	-3.55	1.25	1.34
14	U	1501	CLA	C1D-ND	-3.55	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1103	CLA	C1D-ND	-3.55	1.33	1.37
14	V	1501	CLA	CHC-C4B	3.55	1.47	1.39
14	A	1136	CLA	CHC-C4B	3.55	1.47	1.39
15	b	1238	F6C	C1C-NC	-3.55	1.33	1.37
14	A	1124	CLA	CHC-C4B	3.55	1.47	1.39
15	B	1238	F6C	CHC-C1C	3.55	1.47	1.39
14	G	1102	CLA	CHB-C1B	3.55	1.47	1.39
14	b	1232	CLA	CHC-C4B	3.55	1.47	1.39
14	k	1401	CLA	OBD-CAD	3.55	1.28	1.22
14	B	1224	CLA	CHD-C4C	3.55	1.47	1.39
18	V	4021	BCR	C11-C12	-3.55	1.25	1.34
18	I	4018	BCR	C11-C12	-3.55	1.25	1.34
14	H	1215	CLA	C1D-ND	-3.55	1.33	1.37
15	b	1237	F6C	MG-NC	3.55	2.12	2.05
14	H	1023	CLA	CHD-C1D	3.54	1.45	1.38
14	B	1208	CLA	OBD-CAD	3.54	1.28	1.22
14	A	1116	CLA	CHB-C1B	3.54	1.47	1.39
14	G	1136	CLA	CHC-C4B	3.54	1.47	1.39
14	b	1224	CLA	CHD-C4C	3.54	1.47	1.39
15	B	1237	F6C	CHD-C1D	3.54	1.45	1.38
14	H	1218	CLA	CHB-C1B	3.54	1.47	1.39
14	A	1104	CLA	CHB-C1B	3.54	1.47	1.39
14	B	1216	CLA	CHC-C4B	3.54	1.47	1.39
14	a	1124	CLA	CHC-C4B	3.54	1.47	1.39
14	G	1108	CLA	CHB-C1B	3.54	1.47	1.39
15	H	1238	F6C	CHC-C1C	3.54	1.47	1.39
14	A	1102	CLA	CHB-C1B	3.54	1.47	1.39
14	H	1208	CLA	CHC-C4B	3.54	1.47	1.39
14	b	1229	CLA	CHB-C1B	3.54	1.47	1.39
14	a	1122	CLA	C1D-ND	-3.54	1.33	1.37
14	A	1125	CLA	CHB-C1B	3.54	1.47	1.39
14	H	1224	CLA	CHC-C4B	3.54	1.47	1.39
18	M	4021	BCR	C11-C12	-3.54	1.25	1.34
14	b	1224	CLA	CHC-C4B	3.54	1.47	1.39
14	A	1106	CLA	CHB-C1B	3.54	1.47	1.39
14	B	1224	CLA	CHC-C4B	3.54	1.47	1.39
14	H	1220	CLA	CHB-C1B	3.54	1.47	1.39
14	G	1107	CLA	OBD-CAD	3.53	1.28	1.22
14	B	1215	CLA	C1D-ND	-3.53	1.33	1.37
14	G	1107	CLA	CHD-C4C	3.53	1.47	1.39
14	B	1234	CLA	CHD-C4C	3.53	1.47	1.39
14	b	1223	CLA	CHD-C4C	3.53	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1120	CLA	CHB-C1B	3.53	1.47	1.39
14	G	1129	CLA	C1B-NB	-3.53	1.33	1.37
14	A	1123	CLA	CHC-C4B	3.53	1.47	1.39
14	a	1108	CLA	CHB-C1B	3.53	1.47	1.39
14	G	1123	CLA	CHC-C4B	3.53	1.47	1.39
14	a	1111	CLA	CHD-C4C	3.53	1.47	1.39
14	b	1232	CLA	OBD-CAD	3.53	1.28	1.22
14	M	1501	CLA	CHC-C4B	3.53	1.47	1.39
15	G	1121	F6C	C1C-NC	-3.53	1.33	1.37
14	B	1229	CLA	CHB-C1B	3.53	1.47	1.39
14	a	1106	CLA	CHB-C1B	3.53	1.47	1.39
14	A	1013	CLA	OBD-CAD	3.53	1.28	1.22
15	B	1237	F6C	MG-NC	3.53	2.12	2.05
14	b	1218	CLA	CHB-C1B	3.53	1.47	1.39
14	G	1114	CLA	OBD-CAD	3.53	1.28	1.22
14	b	1213	CLA	OBD-CAD	3.53	1.28	1.22
15	a	1121	F6C	C1C-NC	-3.53	1.33	1.37
14	G	1116	CLA	CHB-C1B	3.53	1.47	1.39
14	A	1129	CLA	C1B-NB	-3.53	1.33	1.37
14	a	1115	CLA	CHB-C1B	3.53	1.47	1.39
14	a	1118	CLA	OBD-CAD	3.53	1.28	1.22
14	U	1503	CLA	C1B-NB	-3.53	1.33	1.37
14	a	1126	CLA	CHC-C4B	3.52	1.47	1.39
14	B	1209	CLA	C1D-ND	-3.52	1.33	1.37
14	a	1134	CLA	OBD-CAD	3.52	1.28	1.22
14	b	1227	CLA	CHC-C4B	3.52	1.47	1.39
14	A	1114	CLA	OBD-CAD	3.52	1.28	1.22
14	G	1115	CLA	CHB-C1B	3.52	1.47	1.39
14	H	1208	CLA	OBD-CAD	3.52	1.28	1.22
14	H	1213	CLA	OBD-CAD	3.52	1.28	1.22
14	a	1128	CLA	CHD-C4C	3.52	1.47	1.39
14	K	1401	CLA	OBD-CAD	3.52	1.28	1.22
14	a	1122	CLA	CHD-C4C	3.52	1.47	1.39
14	A	1140	CLA	OBD-CAD	3.52	1.28	1.22
14	a	1112	CLA	CHC-C4B	3.52	1.47	1.39
14	H	1232	CLA	OBD-CAD	3.52	1.28	1.22
14	A	1112	CLA	CHC-C4B	3.52	1.47	1.39
14	B	1218	CLA	CHB-C1B	3.52	1.47	1.39
14	G	1122	CLA	CHD-C4C	3.52	1.47	1.39
14	A	1133	CLA	CHD-C4C	3.52	1.47	1.39
14	G	1140	CLA	OBD-CAD	3.52	1.28	1.22
14	A	1134	CLA	OBD-CAD	3.52	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1232	CLA	OBD-CAD	3.52	1.28	1.22
14	A	1126	CLA	CHC-C4B	3.52	1.47	1.39
14	B	1227	CLA	CHC-C4B	3.52	1.47	1.39
14	G	1105	CLA	CHB-C1B	3.52	1.47	1.39
14	A	1107	CLA	CHD-C4C	3.52	1.47	1.39
14	A	1128	CLA	CHD-C4C	3.52	1.47	1.39
14	G	1134	CLA	OBD-CAD	3.52	1.28	1.22
14	A	1115	CLA	CHB-C1B	3.52	1.47	1.39
14	G	1126	CLA	CHC-C4B	3.52	1.47	1.39
14	a	1123	CLA	CHC-C4B	3.52	1.47	1.39
14	a	1140	CLA	OBD-CAD	3.52	1.28	1.22
14	H	1234	CLA	CHD-C4C	3.52	1.47	1.39
15	b	1237	F6C	CHD-C1D	3.52	1.45	1.38
14	H	1236	CLA	CHB-C1B	3.51	1.47	1.39
14	a	1120	CLA	CHB-C1B	3.51	1.47	1.39
14	H	1209	CLA	C1D-ND	-3.51	1.33	1.37
14	B	1213	CLA	OBD-CAD	3.51	1.28	1.22
14	b	1234	CLA	CHD-C4C	3.51	1.47	1.39
14	A	1132	CLA	C1D-ND	-3.51	1.33	1.37
14	B	1236	CLA	CHB-C1B	3.51	1.47	1.39
15	H	1237	F6C	MG-NC	3.51	2.12	2.05
18	i	4018	BCR	C11-C12	-3.51	1.25	1.34
14	G	1120	CLA	OBD-CAD	3.51	1.28	1.22
14	G	1141	CLA	OBD-CAD	3.51	1.28	1.22
14	H	1206	CLA	OBD-CAD	3.51	1.28	1.22
14	A	1111	CLA	CHD-C4C	3.51	1.47	1.39
14	A	1120	CLA	CHB-C1B	3.51	1.47	1.39
15	b	1238	F6C	CHD-C4C	3.51	1.47	1.39
14	H	1227	CLA	CHC-C4B	3.51	1.47	1.39
14	A	1118	CLA	OBD-CAD	3.51	1.28	1.22
14	G	1133	CLA	CHD-C4C	3.51	1.47	1.39
14	a	1137	CLA	CHB-C1B	3.51	1.47	1.39
14	a	1141	CLA	OBD-CAD	3.51	1.28	1.22
14	H	1229	CLA	CHB-C1B	3.51	1.47	1.39
14	b	1236	CLA	CHB-C1B	3.51	1.47	1.39
14	A	1105	CLA	CHB-C1B	3.51	1.47	1.39
14	a	1132	CLA	C1D-ND	-3.51	1.33	1.37
14	G	1128	CLA	CHD-C4C	3.50	1.47	1.39
14	G	1111	CLA	CHD-C4C	3.50	1.47	1.39
14	G	1104	CLA	C1B-NB	-3.50	1.33	1.37
15	H	1238	F6C	C1C-NC	-3.50	1.33	1.37
14	A	1122	CLA	CHD-C4C	3.50	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1210	CLA	CHD-C4C	3.50	1.47	1.39
14	a	1107	CLA	CHD-C4C	3.50	1.47	1.39
14	A	1110	CLA	CHB-C1B	3.50	1.47	1.39
14	M	1501	CLA	C1D-ND	-3.50	1.33	1.37
14	a	1110	CLA	C1D-ND	-3.50	1.33	1.37
14	G	1112	CLA	CHC-C4B	3.50	1.47	1.39
14	B	1222	CLA	CHC-C4B	3.50	1.47	1.39
14	G	1135	CLA	CHB-C1B	3.50	1.47	1.39
14	a	1105	CLA	CHB-C1B	3.50	1.47	1.39
15	B	1238	F6C	C1C-NC	-3.50	1.33	1.37
14	A	1120	CLA	OBD-CAD	3.50	1.28	1.22
14	a	1110	CLA	CHB-C1B	3.50	1.47	1.39
15	H	1230	F6C	OBD-CAD	3.50	1.28	1.22
14	b	1210	CLA	CHD-C4C	3.50	1.47	1.39
14	B	1203	CLA	CHD-C4C	3.49	1.47	1.39
14	b	1214	CLA	CHC-C4B	3.49	1.47	1.39
14	b	1228	CLA	CHC-C4B	3.49	1.47	1.39
14	a	1116	CLA	C1D-ND	-3.49	1.33	1.37
14	a	1013	CLA	OBD-CAD	3.49	1.28	1.22
14	b	1222	CLA	CHC-C4B	3.49	1.47	1.39
14	B	1210	CLA	CHD-C4C	3.49	1.47	1.39
14	G	1110	CLA	CHB-C1B	3.49	1.47	1.39
14	L	1501	CLA	C1D-ND	-3.49	1.33	1.37
14	a	1120	CLA	CHC-C4B	3.49	1.47	1.39
14	a	1133	CLA	CHD-C4C	3.49	1.47	1.39
14	A	1116	CLA	C1D-ND	-3.49	1.33	1.37
14	A	1141	CLA	OBD-CAD	3.49	1.28	1.22
14	H	1231	CLA	CHB-C1B	3.49	1.47	1.39
14	G	1109	CLA	CHB-C1B	3.49	1.47	1.39
14	G	1108	CLA	OBD-CAD	3.49	1.28	1.22
15	A	1121	F6C	C1C-NC	-3.49	1.33	1.37
14	A	1137	CLA	CHB-C1B	3.49	1.47	1.39
14	b	1203	CLA	CHD-C4C	3.49	1.47	1.39
14	G	1137	CLA	CHB-C1B	3.48	1.47	1.39
14	a	1104	CLA	C1B-NB	-3.48	1.33	1.37
14	l	1501	CLA	C1D-ND	-3.48	1.33	1.37
15	H	1238	F6C	CHD-C4C	3.48	1.47	1.39
14	a	1120	CLA	OBD-CAD	3.48	1.28	1.22
14	a	1123	CLA	CHD-C4C	3.48	1.47	1.39
15	B	1238	F6C	CHD-C4C	3.48	1.47	1.39
14	H	1203	CLA	CHD-C4C	3.48	1.47	1.39
14	B	1228	CLA	CHC-C4B	3.48	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1208	CLA	C1D-ND	-3.48	1.33	1.37
14	A	1109	CLA	CHB-C1B	3.48	1.47	1.39
14	G	1120	CLA	CHC-C4B	3.48	1.47	1.39
15	b	1230	F6C	OBD-CAD	3.48	1.28	1.22
14	B	1214	CLA	CHC-C4B	3.48	1.47	1.39
14	H	1223	CLA	C1D-ND	-3.48	1.33	1.37
15	B	1230	F6C	OBD-CAD	3.48	1.28	1.22
14	B	1210	CLA	C1D-ND	-3.48	1.33	1.37
14	H	1222	CLA	CHC-C4B	3.48	1.47	1.39
14	H	1209	CLA	CHB-C1B	3.48	1.47	1.39
14	G	1135	CLA	C1D-ND	-3.48	1.33	1.37
14	B	1206	CLA	OBD-CAD	3.48	1.28	1.22
14	B	1214	CLA	C1B-NB	-3.48	1.33	1.37
14	T	1401	CLA	OBD-CAD	3.47	1.28	1.22
14	H	1210	CLA	C1D-ND	-3.47	1.33	1.37
14	G	1110	CLA	C1D-ND	-3.47	1.33	1.37
14	A	1135	CLA	CHB-C1B	3.47	1.47	1.39
14	H	1220	CLA	CHC-C4B	3.47	1.47	1.39
14	b	1209	CLA	CHB-C1B	3.47	1.47	1.39
14	a	1108	CLA	OBD-CAD	3.47	1.28	1.22
14	A	1110	CLA	C1D-ND	-3.47	1.33	1.37
14	a	1109	CLA	CHB-C1B	3.47	1.47	1.39
14	B	1209	CLA	CHB-C1B	3.47	1.47	1.39
14	b	1226	CLA	OBD-CAD	3.47	1.28	1.22
14	A	1127	CLA	CHB-C1B	3.47	1.47	1.39
14	B	1231	CLA	CHB-C1B	3.47	1.47	1.39
14	G	1114	CLA	CHB-C1B	3.47	1.47	1.39
14	b	1208	CLA	C1D-ND	-3.47	1.33	1.37
14	H	1226	CLA	OBD-CAD	3.47	1.28	1.22
14	U	1503	CLA	OBD-CAD	3.47	1.28	1.22
14	H	1203	CLA	C1B-NB	-3.47	1.33	1.37
14	b	1210	CLA	C1D-ND	-3.47	1.33	1.37
14	b	1214	CLA	C1B-NB	-3.47	1.33	1.37
14	G	1118	CLA	OBD-CAD	3.47	1.28	1.22
14	B	1208	CLA	C1D-ND	-3.47	1.33	1.37
14	b	1235	CLA	CHB-C1B	3.47	1.47	1.39
14	a	1135	CLA	CHB-C1B	3.47	1.47	1.39
14	A	1108	CLA	OBD-CAD	3.47	1.28	1.22
14	H	1220	CLA	OBD-CAD	3.47	1.28	1.22
14	b	1225	CLA	CHD-C4C	3.47	1.47	1.39
14	B	1226	CLA	OBD-CAD	3.47	1.28	1.22
14	H	1235	CLA	C1D-ND	-3.46	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1114	CLA	CHB-C1B	3.46	1.47	1.39
14	L	1503	CLA	OBD-CAD	3.46	1.28	1.22
14	b	1209	CLA	OBD-CAD	3.46	1.28	1.22
14	b	1206	CLA	OBD-CAD	3.46	1.28	1.22
14	B	1221	CLA	CHD-C4C	3.46	1.47	1.39
14	a	1127	CLA	CHB-C1B	3.46	1.47	1.39
14	V	1501	CLA	C1D-ND	-3.46	1.33	1.37
13	G	1011	CL0	MG-ND	-3.46	1.98	2.05
14	G	1122	CLA	C1C-NC	-3.46	1.32	1.37
14	b	1220	CLA	OBD-CAD	3.46	1.28	1.22
14	A	1120	CLA	CHC-C4B	3.46	1.47	1.39
14	l	1503	CLA	CHB-C1B	3.45	1.47	1.39
14	A	1104	CLA	C1B-NB	-3.45	1.33	1.37
14	G	1128	CLA	MG-ND	-3.45	1.98	2.05
14	H	1221	CLA	CHD-C4C	3.45	1.47	1.39
14	G	1127	CLA	CHB-C1B	3.45	1.47	1.39
13	a	1011	CL0	MG-ND	-3.45	1.98	2.05
14	a	1114	CLA	CHB-C1B	3.45	1.47	1.39
14	B	1209	CLA	OBD-CAD	3.45	1.28	1.22
14	A	1123	CLA	CHD-C4C	3.45	1.47	1.39
15	b	1237	F6C	CHB-C1B	3.45	1.47	1.39
14	B	1220	CLA	CHC-C4B	3.45	1.47	1.39
14	H	1214	CLA	CHC-C4B	3.45	1.47	1.39
14	G	1110	CLA	OBD-CAD	3.45	1.28	1.22
14	B	1214	CLA	C1D-ND	-3.45	1.33	1.37
14	L	1503	CLA	CHB-C1B	3.45	1.47	1.39
14	H	1228	CLA	CHC-C4B	3.45	1.47	1.39
14	G	1111	CLA	CHB-C1B	3.45	1.47	1.39
15	A	1121	F6C	OBD-CAD	3.45	1.28	1.22
14	b	1202	CLA	OBD-CAD	3.45	1.28	1.22
14	H	1201	CLA	C1D-ND	-3.45	1.33	1.37
14	B	1211	CLA	CHB-C1B	3.45	1.47	1.39
13	A	1011	CL0	MG-ND	-3.44	1.99	2.05
14	A	1138	CLA	OBD-CAD	3.44	1.28	1.22
14	B	1202	CLA	OBD-CAD	3.44	1.28	1.22
15	B	1237	F6C	CHB-C1B	3.44	1.47	1.39
14	G	1116	CLA	C1D-ND	-3.44	1.33	1.37
14	H	1214	CLA	C1B-NB	-3.44	1.33	1.37
14	b	1223	CLA	C1D-ND	-3.44	1.33	1.37
14	B	1235	CLA	C1D-ND	-3.44	1.33	1.37
14	b	1211	CLA	CHB-C1B	3.44	1.47	1.39
15	G	1121	F6C	OBD-CAD	3.44	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1236	CLA	CHD-C1D	3.44	1.45	1.38
14	G	1123	CLA	CHD-C4C	3.44	1.47	1.39
18	H	4009	BCR	C11-C12	-3.44	1.25	1.34
14	G	1123	CLA	C1D-ND	-3.44	1.33	1.37
14	H	1214	CLA	C1D-ND	-3.44	1.33	1.37
14	b	1220	CLA	CHC-C4B	3.44	1.47	1.39
14	B	1220	CLA	OBD-CAD	3.44	1.28	1.22
14	H	1215	CLA	OBD-CAD	3.44	1.28	1.22
14	b	1221	CLA	CHD-C4C	3.44	1.47	1.39
14	a	1134	CLA	C1B-NB	-3.44	1.33	1.37
18	a	4001	BCR	C11-C12	-3.44	1.25	1.34
14	H	1202	CLA	OBD-CAD	3.44	1.28	1.22
14	A	1123	CLA	C1D-ND	-3.44	1.33	1.37
14	b	1231	CLA	CHB-C1B	3.44	1.47	1.39
18	B	4005	BCR	C11-C12	-3.44	1.25	1.34
14	G	1109	CLA	CHC-C4B	3.44	1.47	1.39
14	H	1221	CLA	OBD-CAD	3.44	1.28	1.22
14	a	1135	CLA	C1B-NB	-3.44	1.33	1.37
14	b	1214	CLA	C1D-ND	-3.44	1.33	1.37
14	A	1122	CLA	C1C-NC	-3.44	1.32	1.37
14	b	1203	CLA	C1B-NB	-3.44	1.33	1.37
14	B	1222	CLA	CHB-C1B	3.43	1.47	1.39
14	A	1135	CLA	C1D-ND	-3.43	1.33	1.37
18	A	4001	BCR	C11-C12	-3.43	1.25	1.34
18	b	4005	BCR	C11-C12	-3.43	1.25	1.34
14	b	1218	CLA	OBD-CAD	3.43	1.28	1.22
14	H	1211	CLA	CHB-C1B	3.43	1.47	1.39
14	a	1123	CLA	C1D-ND	-3.43	1.33	1.37
14	G	1103	CLA	CHC-C4B	3.43	1.47	1.39
14	U	1503	CLA	CHB-C1B	3.43	1.47	1.39
14	H	1209	CLA	OBD-CAD	3.43	1.28	1.22
14	a	1111	CLA	OBD-CAD	3.43	1.28	1.22
14	G	1130	CLA	CHC-C4B	3.43	1.47	1.39
15	H	1237	F6C	CHB-C1B	3.43	1.47	1.39
14	H	1222	CLA	CHB-C1B	3.43	1.47	1.39
14	A	1128	CLA	OBD-CAD	3.43	1.28	1.22
18	T	4001	BCR	C11-C12	-3.43	1.25	1.34
15	a	1121	F6C	OBD-CAD	3.43	1.28	1.22
14	a	1128	CLA	MG-ND	-3.43	1.99	2.05
14	a	1132	CLA	OBD-CAD	3.43	1.28	1.22
14	G	1013	CLA	CHD-C4C	3.43	1.47	1.39
14	H	1234	CLA	C1D-ND	-3.43	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1013	CLA	CHD-C4C	3.43	1.47	1.39
14	A	1128	CLA	MG-ND	-3.43	1.99	2.05
14	A	1111	CLA	OBD-CAD	3.43	1.28	1.22
18	G	4001	BCR	C11-C12	-3.42	1.25	1.34
14	H	1235	CLA	CHB-C1B	3.42	1.47	1.39
14	a	1122	CLA	C1C-NC	-3.42	1.32	1.37
14	B	1203	CLA	C1B-NB	-3.42	1.33	1.37
14	B	1223	CLA	C1D-ND	-3.42	1.33	1.37
14	B	1235	CLA	CHB-C1B	3.42	1.47	1.39
14	A	1110	CLA	OBD-CAD	3.42	1.28	1.22
14	B	1221	CLA	OBD-CAD	3.42	1.28	1.22
18	k	4001	BCR	C11-C12	-3.42	1.25	1.34
18	H	4005	BCR	C11-C12	-3.42	1.25	1.34
14	A	1111	CLA	CHB-C1B	3.42	1.47	1.39
14	B	1215	CLA	OBD-CAD	3.42	1.28	1.22
14	m	1501	CLA	C1D-ND	-3.42	1.33	1.37
14	G	1128	CLA	OBD-CAD	3.42	1.28	1.22
14	H	1203	CLA	CHB-C1B	3.42	1.47	1.39
14	b	1222	CLA	CHB-C1B	3.42	1.47	1.39
14	G	1138	CLA	OBD-CAD	3.42	1.28	1.22
14	B	1225	CLA	CHD-C4C	3.42	1.47	1.39
14	b	1221	CLA	OBD-CAD	3.42	1.28	1.22
14	A	1134	CLA	C1B-NB	-3.42	1.33	1.37
14	G	1134	CLA	C1B-NB	-3.42	1.33	1.37
18	K	4001	BCR	C11-C12	-3.42	1.25	1.34
14	B	1227	CLA	CHB-C1B	3.42	1.47	1.39
14	G	1139	CLA	CHB-C1B	3.42	1.47	1.39
14	A	1109	CLA	CHC-C4B	3.42	1.47	1.39
14	A	1132	CLA	OBD-CAD	3.42	1.28	1.22
14	G	1111	CLA	C1D-ND	-3.42	1.33	1.37
14	b	1236	CLA	CHD-C1D	3.42	1.45	1.38
15	B	1207	F6C	CHB-C1B	3.42	1.47	1.39
14	a	1111	CLA	CHB-C1B	3.41	1.47	1.39
14	A	1013	CLA	CHD-C4C	3.41	1.47	1.39
14	a	1109	CLA	CHC-C4B	3.41	1.47	1.39
14	G	1104	CLA	CHC-C4B	3.41	1.47	1.39
15	b	1207	F6C	CHD-C4C	3.41	1.47	1.39
14	a	1111	CLA	C1D-ND	-3.41	1.33	1.37
14	A	1126	CLA	OBD-CAD	3.41	1.28	1.22
14	H	1227	CLA	CHB-C1B	3.41	1.47	1.39
14	A	1111	CLA	C1D-ND	-3.41	1.33	1.37
14	A	1103	CLA	CHC-C4B	3.41	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1139	CLA	CHB-C1B	3.41	1.47	1.39
14	A	1135	CLA	C1B-NB	-3.41	1.33	1.37
14	a	1139	CLA	CHB-C1B	3.41	1.47	1.39
14	A	1130	CLA	CHC-C4B	3.41	1.47	1.39
14	B	1236	CLA	CHD-C1D	3.41	1.45	1.38
14	a	1138	CLA	OBD-CAD	3.41	1.28	1.22
14	B	1218	CLA	OBD-CAD	3.41	1.28	1.22
13	a	1011	CL0	CHD-C4C	3.41	1.47	1.39
14	b	1215	CLA	OBD-CAD	3.41	1.28	1.22
14	H	1218	CLA	OBD-CAD	3.41	1.28	1.22
14	G	1132	CLA	OBD-CAD	3.41	1.28	1.22
14	a	1134	CLA	CHB-C1B	3.40	1.47	1.39
14	a	1110	CLA	OBD-CAD	3.40	1.28	1.22
15	b	1207	F6C	CHB-C1B	3.40	1.46	1.39
14	b	1227	CLA	CHB-C1B	3.40	1.47	1.39
14	G	1111	CLA	OBD-CAD	3.40	1.28	1.22
14	a	1133	CLA	OBD-CAD	3.40	1.28	1.22
14	a	1104	CLA	CHC-C4B	3.40	1.47	1.39
14	b	1208	CLA	CHB-C1B	3.40	1.47	1.39
18	b	4006	BCR	C11-C12	-3.40	1.25	1.34
14	A	1127	CLA	OBD-CAD	3.40	1.28	1.22
14	a	1126	CLA	OBD-CAD	3.40	1.28	1.22
14	H	1213	CLA	C1D-ND	-3.40	1.33	1.37
18	G	4002	BCR	C11-C12	-3.40	1.25	1.34
14	a	1131	CLA	CHC-C4B	3.40	1.47	1.39
14	a	1122	CLA	OBD-CAD	3.40	1.28	1.22
15	B	1207	F6C	CHD-C4C	3.40	1.47	1.39
18	B	4006	BCR	C11-C12	-3.39	1.25	1.34
18	H	4006	BCR	C11-C12	-3.39	1.25	1.34
14	l	1503	CLA	OBD-CAD	3.39	1.28	1.22
14	a	1130	CLA	CHC-C4B	3.39	1.47	1.39
14	G	1126	CLA	OBD-CAD	3.39	1.28	1.22
15	H	1207	F6C	CHD-C4C	3.39	1.47	1.39
14	B	1201	CLA	C1D-ND	-3.39	1.33	1.37
14	a	1128	CLA	OBD-CAD	3.39	1.28	1.22
14	l	1502	CLA	C1C-NC	-3.39	1.32	1.37
18	B	4009	BCR	C11-C12	-3.39	1.25	1.34
14	H	1224	CLA	MG-ND	-3.39	1.99	2.05
14	a	1103	CLA	CHC-C4B	3.39	1.47	1.39
14	b	1021	CLA	CHB-C1B	3.39	1.47	1.39
14	B	1234	CLA	C1D-ND	-3.39	1.33	1.37
14	b	1213	CLA	C1D-ND	-3.39	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1012	CLA	MG-ND	-3.39	1.99	2.05
15	H	1207	F6C	CHB-C1B	3.39	1.46	1.39
14	a	1135	CLA	C1D-ND	-3.39	1.33	1.37
14	A	1131	CLA	CHC-C4B	3.39	1.47	1.39
14	H	1225	CLA	CHD-C4C	3.39	1.46	1.39
14	a	1127	CLA	CHD-C4C	3.39	1.46	1.39
14	H	1208	CLA	CHB-C1B	3.39	1.47	1.39
14	b	1211	CLA	C1D-ND	-3.39	1.33	1.37
14	B	1208	CLA	CHB-C1B	3.39	1.47	1.39
14	G	1133	CLA	OBD-CAD	3.39	1.28	1.22
14	B	1023	CLA	CHD-C4C	3.39	1.46	1.39
14	b	1224	CLA	OBD-CAD	3.39	1.28	1.22
14	B	1203	CLA	CHB-C1B	3.38	1.47	1.39
14	A	1105	CLA	OBD-CAD	3.38	1.28	1.22
14	B	1201	CLA	OBD-CAD	3.38	1.28	1.22
14	B	1021	CLA	CHB-C1B	3.38	1.47	1.39
14	B	1224	CLA	MG-ND	-3.38	1.99	2.05
14	A	1104	CLA	CHC-C4B	3.38	1.47	1.39
14	H	1232	CLA	CHB-C1B	3.38	1.47	1.39
14	H	1201	CLA	OBD-CAD	3.38	1.28	1.22
14	b	1224	CLA	MG-ND	-3.38	1.99	2.05
14	b	1203	CLA	CHB-C1B	3.38	1.47	1.39
14	b	1226	CLA	C3D-C2D	3.38	1.48	1.39
14	G	1105	CLA	OBD-CAD	3.38	1.28	1.22
14	a	1127	CLA	OBD-CAD	3.38	1.28	1.22
18	A	4002	BCR	C11-C12	-3.38	1.25	1.34
14	a	1117	CLA	CHC-C4B	3.38	1.47	1.39
14	B	1222	CLA	C1D-ND	-3.38	1.33	1.37
14	b	1235	CLA	C1D-ND	-3.38	1.33	1.37
18	a	4002	BCR	C11-C12	-3.38	1.25	1.34
14	H	1226	CLA	MG-ND	-3.38	1.99	2.05
14	G	1127	CLA	OBD-CAD	3.38	1.28	1.22
14	b	1232	CLA	CHB-C1B	3.38	1.47	1.39
13	G	1011	CL0	CHD-C4C	3.38	1.46	1.39
14	A	1012	CLA	CHC-C4B	3.37	1.47	1.39
14	A	1125	CLA	CHD-C1D	3.37	1.45	1.38
14	B	1232	CLA	CHB-C1B	3.37	1.47	1.39
14	G	1131	CLA	CHC-C4B	3.37	1.47	1.39
14	b	1225	CLA	CHB-C1B	3.37	1.47	1.39
14	A	1012	CLA	MG-ND	-3.37	1.99	2.05
14	b	1226	CLA	MG-ND	-3.37	1.99	2.05
14	G	1135	CLA	C1B-NB	-3.37	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1011	CL0	CHD-C4C	3.37	1.46	1.39
14	H	1021	CLA	CHB-C1B	3.37	1.47	1.39
14	L	1502	CLA	C1C-NC	-3.37	1.32	1.37
14	H	1023	CLA	CHD-C4C	3.37	1.46	1.39
14	G	1117	CLA	CHC-C4B	3.37	1.47	1.39
14	b	1023	CLA	CHD-C4C	3.37	1.46	1.39
14	a	1125	CLA	CHD-C1D	3.37	1.45	1.38
14	B	1213	CLA	C1D-ND	-3.37	1.33	1.37
14	G	1108	CLA	C1D-ND	-3.37	1.33	1.37
14	A	1122	CLA	OBD-CAD	3.37	1.28	1.22
14	G	1012	CLA	CHC-C4B	3.37	1.47	1.39
14	U	1503	CLA	CHC-C4B	3.37	1.47	1.39
14	l	1503	CLA	CHC-C4B	3.37	1.47	1.39
14	A	1134	CLA	CHB-C1B	3.37	1.47	1.39
14	G	1131	CLA	CHB-C1B	3.37	1.47	1.39
14	G	1131	CLA	OBD-CAD	3.36	1.28	1.22
14	B	1239	CLA	CHB-C1B	3.36	1.47	1.39
14	b	1204	CLA	CHC-C4B	3.36	1.47	1.39
14	b	1239	CLA	CHB-C1B	3.36	1.47	1.39
14	A	1133	CLA	OBD-CAD	3.36	1.28	1.22
14	b	1201	CLA	OBD-CAD	3.36	1.28	1.22
14	a	1012	CLA	CHC-C4B	3.36	1.47	1.39
14	A	1117	CLA	CHC-C4B	3.36	1.47	1.39
14	G	1125	CLA	CHD-C1D	3.36	1.45	1.38
14	a	1131	CLA	OBD-CAD	3.36	1.28	1.22
14	L	1503	CLA	CHC-C4B	3.36	1.47	1.39
14	B	1225	CLA	CHB-C1B	3.36	1.46	1.39
15	b	1238	F6C	CHB-C1B	3.36	1.46	1.39
14	A	1013	CLA	CHD-C1D	3.36	1.45	1.38
14	b	1234	CLA	C1D-ND	-3.36	1.33	1.37
18	b	4009	BCR	C11-C12	-3.36	1.25	1.34
14	G	1012	CLA	MG-ND	-3.36	1.99	2.05
14	b	1222	CLA	OBD-CAD	3.36	1.28	1.22
14	a	1119	CLA	C1D-ND	-3.36	1.33	1.37
14	B	1226	CLA	C3D-C2D	3.36	1.48	1.39
14	G	1127	CLA	CHD-C4C	3.36	1.46	1.39
14	A	1127	CLA	CHD-C4C	3.36	1.46	1.39
14	b	1203	CLA	CHC-C4B	3.35	1.46	1.39
14	b	1222	CLA	C1D-ND	-3.35	1.33	1.37
14	B	1226	CLA	MG-ND	-3.35	1.99	2.05
14	B	1022	CLA	C1B-NB	-3.35	1.33	1.37
14	U	1502	CLA	C1C-NC	-3.35	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1131	CLA	OBD-CAD	3.35	1.28	1.22
14	B	1224	CLA	OBD-CAD	3.35	1.28	1.22
13	G	1011	CL0	CHC-C4B	3.35	1.46	1.39
14	H	1224	CLA	OBD-CAD	3.35	1.28	1.22
13	A	1011	CL0	CHC-C4B	3.35	1.46	1.39
15	B	1237	F6C	C4C-NC	-3.35	1.33	1.37
14	A	1131	CLA	CHB-C1B	3.35	1.46	1.39
14	B	1203	CLA	CHC-C4B	3.35	1.46	1.39
13	a	1011	CL0	CHC-C4B	3.35	1.46	1.39
14	b	1227	CLA	C1B-NB	-3.35	1.33	1.37
14	B	1211	CLA	C1D-ND	-3.35	1.33	1.37
14	G	1013	CLA	CHD-C1D	3.35	1.44	1.38
14	G	1106	CLA	OBD-CAD	3.34	1.28	1.22
14	A	1106	CLA	OBD-CAD	3.34	1.28	1.22
15	B	1238	F6C	CHB-C1B	3.34	1.46	1.39
14	H	1226	CLA	C3D-C2D	3.34	1.48	1.39
14	b	1210	CLA	CHB-C1B	3.34	1.46	1.39
14	a	1124	CLA	C1B-NB	-3.34	1.33	1.37
14	B	1204	CLA	CHC-C4B	3.34	1.46	1.39
14	A	1108	CLA	C1D-ND	-3.34	1.33	1.37
14	H	1227	CLA	C1B-NB	-3.34	1.33	1.37
14	b	1022	CLA	C1B-NB	-3.34	1.33	1.37
14	a	1137	CLA	CHC-C4B	3.34	1.46	1.39
14	G	1105	CLA	C1D-ND	-3.34	1.33	1.37
15	H	1237	F6C	C4C-NC	-3.34	1.33	1.37
14	G	1134	CLA	CHB-C1B	3.34	1.46	1.39
14	H	1225	CLA	CHB-C1B	3.34	1.46	1.39
14	b	1205	CLA	C1C-NC	-3.34	1.32	1.37
14	B	1204	CLA	CHB-C1B	3.34	1.46	1.39
14	b	1215	CLA	CHC-C4B	3.34	1.46	1.39
14	H	1239	CLA	CHB-C1B	3.34	1.46	1.39
14	a	1105	CLA	OBD-CAD	3.34	1.28	1.22
14	H	1222	CLA	OBD-CAD	3.34	1.28	1.22
14	G	1124	CLA	C1B-NB	-3.34	1.33	1.37
14	a	1013	CLA	CHD-C1D	3.33	1.44	1.38
14	A	1124	CLA	C1B-NB	-3.33	1.33	1.37
14	B	1239	CLA	OBD-CAD	3.33	1.28	1.22
14	G	1116	CLA	OBD-CAD	3.33	1.28	1.22
14	b	1022	CLA	OBD-CAD	3.33	1.28	1.22
14	H	1222	CLA	C1D-ND	-3.33	1.33	1.37
14	G	1119	CLA	C1D-ND	-3.33	1.33	1.37
14	H	1225	CLA	MG-ND	-3.33	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1210	CLA	CHB-C1B	3.33	1.46	1.39
14	H	1201	CLA	CHB-C1B	3.33	1.46	1.39
14	H	1203	CLA	CHC-C4B	3.33	1.46	1.39
14	H	1215	CLA	CHC-C4B	3.33	1.46	1.39
14	H	1211	CLA	C1D-ND	-3.33	1.33	1.37
14	B	1205	CLA	C1C-NC	-3.33	1.32	1.37
14	H	1210	CLA	CHB-C1B	3.33	1.46	1.39
14	B	1222	CLA	OBD-CAD	3.33	1.28	1.22
14	b	1201	CLA	C1D-ND	-3.33	1.33	1.37
15	H	1238	F6C	CHB-C1B	3.33	1.46	1.39
14	A	1119	CLA	C1D-ND	-3.33	1.33	1.37
14	a	1108	CLA	C1D-ND	-3.33	1.33	1.37
14	b	1239	CLA	OBD-CAD	3.33	1.28	1.22
14	H	1204	CLA	CHB-C1B	3.33	1.46	1.39
14	H	1239	CLA	OBD-CAD	3.33	1.28	1.22
14	H	1224	CLA	C1B-NB	-3.33	1.33	1.37
14	b	1204	CLA	CHB-C1B	3.33	1.46	1.39
14	G	1122	CLA	OBD-CAD	3.32	1.28	1.22
14	B	1227	CLA	C1B-NB	-3.32	1.33	1.37
14	B	1215	CLA	CHC-C4B	3.32	1.46	1.39
14	b	1228	CLA	OBD-CAD	3.32	1.28	1.22
14	a	1131	CLA	CHB-C1B	3.32	1.46	1.39
14	A	1137	CLA	CHC-C4B	3.32	1.46	1.39
14	B	1236	CLA	CHD-C4C	3.32	1.46	1.39
14	b	1214	CLA	CHB-C1B	3.32	1.46	1.39
14	b	1236	CLA	CHD-C4C	3.32	1.46	1.39
14	b	1023	CLA	MG-ND	-3.32	1.99	2.05
14	H	1236	CLA	CHD-C4C	3.32	1.46	1.39
15	b	1230	F6C	CHB-C1B	3.32	1.46	1.39
14	H	1205	CLA	C1C-NC	-3.32	1.32	1.37
14	B	1205	CLA	CHD-C4C	3.32	1.46	1.39
15	b	1237	F6C	OBD-CAD	3.31	1.28	1.22
14	a	1103	CLA	C1B-NB	-3.31	1.33	1.37
14	a	1106	CLA	OBD-CAD	3.31	1.28	1.22
14	b	1206	CLA	MG-ND	-3.31	1.99	2.05
15	B	1230	F6C	CHB-C1B	3.31	1.46	1.39
14	b	1212	CLA	C1C-NC	-3.31	1.32	1.37
14	B	1224	CLA	C1B-NB	-3.31	1.33	1.37
14	H	1214	CLA	CHB-C1B	3.31	1.46	1.39
14	G	1012	CLA	C3D-C2D	3.31	1.48	1.39
14	G	1137	CLA	CHC-C4B	3.31	1.46	1.39
14	B	1023	CLA	MG-ND	-3.31	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1212	CLA	C1C-NC	-3.31	1.32	1.37
14	H	1205	CLA	CHD-C4C	3.31	1.46	1.39
14	A	1122	CLA	CHB-C1B	3.31	1.46	1.39
14	A	1012	CLA	C3D-C2D	3.31	1.48	1.39
14	B	1022	CLA	OBD-CAD	3.31	1.28	1.22
14	H	1217	CLA	OBD-CAD	3.31	1.28	1.22
15	H	1230	F6C	CHB-C1B	3.31	1.46	1.39
14	H	1204	CLA	CHC-C4B	3.31	1.46	1.39
14	a	1116	CLA	OBD-CAD	3.31	1.28	1.22
14	H	1022	CLA	C1B-NB	-3.31	1.33	1.37
14	G	1122	CLA	CHB-C1B	3.31	1.46	1.39
14	a	1127	CLA	MG-ND	-3.31	1.99	2.05
14	G	1128	CLA	CHB-C1B	3.31	1.46	1.39
14	b	1022	CLA	MG-ND	-3.31	1.99	2.05
15	B	1237	F6C	OBD-CAD	3.31	1.28	1.22
15	b	1237	F6C	C4C-NC	-3.31	1.33	1.37
14	b	1225	CLA	MG-ND	-3.31	1.99	2.05
14	H	1022	CLA	OBD-CAD	3.31	1.28	1.22
14	B	1223	CLA	C1B-NB	-3.30	1.33	1.37
14	G	1112	CLA	CHB-C1B	3.30	1.46	1.39
14	b	1205	CLA	CHD-C4C	3.30	1.46	1.39
14	b	1223	CLA	C1B-NB	-3.30	1.33	1.37
14	A	1135	CLA	CHC-C4B	3.30	1.46	1.39
14	a	1012	CLA	C3D-C2D	3.30	1.48	1.39
14	B	1228	CLA	OBD-CAD	3.30	1.28	1.22
15	H	1237	F6C	OBD-CAD	3.30	1.28	1.22
14	B	1206	CLA	MG-ND	-3.30	1.99	2.05
14	H	1228	CLA	CHB-C1B	3.30	1.46	1.39
14	G	1124	CLA	OBD-CAD	3.30	1.28	1.22
14	A	1105	CLA	C1D-ND	-3.30	1.33	1.37
14	b	1215	CLA	C1B-NB	-3.30	1.33	1.37
14	H	1228	CLA	OBD-CAD	3.30	1.28	1.22
14	H	1023	CLA	MG-ND	-3.30	1.99	2.05
14	A	1116	CLA	OBD-CAD	3.30	1.28	1.22
14	A	1012	CLA	OBD-CAD	3.30	1.28	1.22
14	b	1023	CLA	OBD-CAD	3.30	1.28	1.22
14	a	1133	CLA	C1B-NB	-3.30	1.33	1.37
14	G	1012	CLA	OBD-CAD	3.30	1.28	1.22
14	B	1228	CLA	CHB-C1B	3.30	1.46	1.39
14	A	1112	CLA	CHB-C1B	3.30	1.46	1.39
14	H	1231	CLA	C1D-ND	-3.29	1.33	1.37
14	A	1127	CLA	MG-ND	-3.29	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1223	CLA	CHB-C1B	3.29	1.46	1.39
14	B	1225	CLA	MG-ND	-3.29	1.99	2.05
14	H	1206	CLA	MG-ND	-3.29	1.99	2.05
14	A	1133	CLA	C1B-NB	-3.29	1.33	1.37
14	U	1503	CLA	C1C-NC	-3.29	1.32	1.37
14	b	1210	CLA	C1B-NB	-3.29	1.33	1.37
14	B	1201	CLA	CHB-C1B	3.29	1.46	1.39
14	A	1128	CLA	C1C-NC	-3.29	1.32	1.37
14	H	1212	CLA	C1C-NC	-3.29	1.32	1.37
14	A	1128	CLA	CHB-C1B	3.29	1.46	1.39
14	B	1214	CLA	CHB-C1B	3.29	1.46	1.39
14	B	1215	CLA	C1B-NB	-3.29	1.33	1.37
18	b	4014	BCR	C11-C12	-3.29	1.26	1.34
14	B	1022	CLA	MG-ND	-3.29	1.99	2.05
14	A	1103	CLA	C1B-NB	-3.29	1.33	1.37
14	l	1502	CLA	CHB-C1B	3.29	1.46	1.39
14	B	1221	CLA	MG-ND	-3.29	1.99	2.05
14	G	1115	CLA	MG-ND	-3.29	1.99	2.05
14	B	1225	CLA	OBD-CAD	3.29	1.28	1.22
14	b	1223	CLA	CHB-C1B	3.29	1.46	1.39
14	H	1023	CLA	OBD-CAD	3.28	1.28	1.22
14	G	1133	CLA	C1B-NB	-3.28	1.33	1.37
14	b	1225	CLA	OBD-CAD	3.28	1.28	1.22
14	B	1223	CLA	CHB-C1B	3.28	1.46	1.39
14	b	1201	CLA	CHB-C1B	3.28	1.46	1.39
14	a	1135	CLA	CHC-C4B	3.28	1.46	1.39
14	a	1103	CLA	OBD-CAD	3.28	1.28	1.22
14	H	1022	CLA	MG-ND	-3.28	1.99	2.05
14	G	1128	CLA	C1C-NC	-3.28	1.32	1.37
14	A	1127	CLA	CHC-C4B	3.28	1.46	1.39
14	U	1502	CLA	CHB-C1B	3.28	1.46	1.39
14	A	1104	CLA	OBD-CAD	3.28	1.28	1.22
14	H	1222	CLA	C1B-NB	-3.28	1.33	1.37
14	a	1129	CLA	CHB-C1B	3.28	1.46	1.39
14	B	1239	CLA	MG-ND	-3.28	1.99	2.05
14	H	1239	CLA	MG-ND	-3.28	1.99	2.05
14	A	1123	CLA	OBD-CAD	3.28	1.28	1.22
14	G	1123	CLA	C1B-NB	-3.28	1.33	1.37
14	H	1023	CLA	CHB-C1B	3.28	1.46	1.39
14	G	1103	CLA	OBD-CAD	3.28	1.28	1.22
14	a	1104	CLA	OBD-CAD	3.28	1.28	1.22
14	H	1210	CLA	C1B-NB	-3.28	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1223	CLA	C1B-NB	-3.28	1.33	1.37
14	B	1023	CLA	OBD-CAD	3.28	1.28	1.22
14	A	1136	CLA	CHB-C1B	3.28	1.46	1.39
14	G	1135	CLA	CHC-C4B	3.28	1.46	1.39
14	b	1239	CLA	MG-ND	-3.28	1.99	2.05
14	a	1125	CLA	C4B-NB	-3.28	1.33	1.37
14	G	1129	CLA	CHB-C1B	3.28	1.46	1.39
14	B	1231	CLA	C1D-ND	-3.28	1.33	1.37
14	H	1226	CLA	C1C-NC	-3.28	1.32	1.37
14	B	1239	CLA	C1C-NC	-3.28	1.32	1.37
14	a	1136	CLA	CHB-C1B	3.28	1.46	1.39
14	H	1215	CLA	C1B-NB	-3.28	1.33	1.37
14	a	1123	CLA	C1B-NB	-3.28	1.33	1.37
14	B	1240	CLA	CHB-C1B	3.27	1.46	1.39
14	G	1123	CLA	OBD-CAD	3.27	1.28	1.22
14	G	1127	CLA	MG-ND	-3.27	1.99	2.05
14	A	1119	CLA	CHB-C1B	3.27	1.46	1.39
14	B	1023	CLA	CHB-C1B	3.27	1.46	1.39
14	a	1122	CLA	CHB-C1B	3.27	1.46	1.39
14	G	1104	CLA	OBD-CAD	3.27	1.28	1.22
14	b	1240	CLA	CHB-C1B	3.27	1.46	1.39
14	b	1212	CLA	CHC-C4B	3.27	1.46	1.39
14	A	1103	CLA	OBD-CAD	3.27	1.28	1.22
14	G	1106	CLA	C1D-ND	-3.27	1.33	1.37
14	a	1115	CLA	MG-ND	-3.27	1.99	2.05
14	A	1124	CLA	OBD-CAD	3.27	1.28	1.22
14	b	1222	CLA	C1B-NB	-3.27	1.33	1.37
14	b	1221	CLA	MG-ND	-3.27	1.99	2.05
14	A	1106	CLA	C1D-ND	-3.27	1.33	1.37
14	A	1120	CLA	C1B-NB	-3.27	1.33	1.37
14	A	1123	CLA	C1B-NB	-3.27	1.33	1.37
14	a	1106	CLA	C1D-ND	-3.27	1.33	1.37
14	H	1239	CLA	C1C-NC	-3.27	1.32	1.37
14	G	1136	CLA	CHB-C1B	3.27	1.46	1.39
14	a	1128	CLA	CHB-C1B	3.27	1.46	1.39
14	G	1103	CLA	C1B-NB	-3.27	1.33	1.37
14	L	1502	CLA	CHB-C1B	3.27	1.46	1.39
14	a	1123	CLA	OBD-CAD	3.27	1.28	1.22
14	B	1226	CLA	C1C-NC	-3.27	1.32	1.37
14	A	1115	CLA	MG-ND	-3.27	1.99	2.05
14	G	1125	CLA	C4B-NB	-3.27	1.33	1.37
14	b	1217	CLA	OBD-CAD	3.26	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1127	CLA	CHC-C4B	3.26	1.46	1.39
14	a	1119	CLA	C1B-NB	-3.26	1.33	1.37
15	b	1238	F6C	OBD-CAD	3.26	1.28	1.22
14	H	1220	CLA	C1D-ND	-3.26	1.33	1.37
14	H	1240	CLA	CHB-C1B	3.26	1.46	1.39
14	H	1225	CLA	OBD-CAD	3.26	1.28	1.22
14	G	1125	CLA	C1D-ND	-3.26	1.33	1.37
14	G	1119	CLA	CHB-C1B	3.26	1.46	1.39
14	G	1122	CLA	CHC-C4B	3.26	1.46	1.39
14	B	1217	CLA	OBD-CAD	3.26	1.28	1.22
14	a	1114	CLA	C1B-NB	-3.26	1.33	1.37
14	A	1115	CLA	OBD-CAD	3.26	1.28	1.22
14	b	1226	CLA	C1C-NC	-3.26	1.32	1.37
18	B	4014	BCR	C11-C12	-3.26	1.26	1.34
14	b	1231	CLA	C1D-ND	-3.26	1.33	1.37
14	G	1126	CLA	MG-ND	-3.26	1.99	2.05
14	H	1221	CLA	MG-ND	-3.26	1.99	2.05
14	a	1119	CLA	CHB-C1B	3.26	1.46	1.39
14	B	1222	CLA	C1B-NB	-3.26	1.33	1.37
14	B	1214	CLA	MG-ND	-3.26	1.99	2.05
14	a	1105	CLA	C1D-ND	-3.26	1.33	1.37
14	b	1224	CLA	C1B-NB	-3.26	1.33	1.37
14	a	1112	CLA	CHB-C1B	3.26	1.46	1.39
15	B	1237	F6C	C3D-C2D	3.26	1.47	1.39
14	H	1225	CLA	CHC-C4B	3.26	1.46	1.39
14	G	1115	CLA	OBD-CAD	3.26	1.28	1.22
14	A	1122	CLA	CHC-C4B	3.25	1.46	1.39
14	b	1023	CLA	CHB-C1B	3.25	1.46	1.39
14	b	1225	CLA	CHC-C4B	3.25	1.46	1.39
14	L	1503	CLA	C1C-NC	-3.25	1.32	1.37
14	l	1501	CLA	C1B-NB	-3.25	1.33	1.37
14	b	1228	CLA	CHB-C1B	3.25	1.46	1.39
14	B	1225	CLA	CHC-C4B	3.25	1.46	1.39
14	G	1119	CLA	C1B-NB	-3.25	1.33	1.37
14	A	1129	CLA	CHB-C1B	3.25	1.46	1.39
14	b	1214	CLA	MG-ND	-3.25	1.99	2.05
14	T	1401	CLA	MG-NC	3.25	2.14	2.06
14	a	1128	CLA	C1C-NC	-3.25	1.32	1.37
15	b	1237	F6C	CHC-C1C	3.25	1.46	1.39
18	H	4014	BCR	C11-C12	-3.25	1.26	1.34
15	b	1237	F6C	C3D-C2D	3.25	1.47	1.39
14	b	1239	CLA	C1C-NC	-3.25	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1021	CLA	OBD-CAD	3.25	1.28	1.22
14	a	1137	CLA	OBD-CAD	3.25	1.28	1.22
14	U	1501	CLA	C4B-NB	-3.25	1.33	1.37
14	a	1120	CLA	C1B-NB	-3.25	1.33	1.37
14	b	1205	CLA	C1B-NB	-3.25	1.33	1.37
14	G	1137	CLA	C4B-NB	-3.25	1.33	1.37
14	a	1115	CLA	OBD-CAD	3.25	1.28	1.22
14	A	1125	CLA	C1D-ND	-3.25	1.33	1.37
14	a	1135	CLA	OBD-CAD	3.25	1.28	1.22
14	H	1212	CLA	CHC-C4B	3.25	1.46	1.39
14	A	1119	CLA	C1B-NB	-3.25	1.33	1.37
14	b	1220	CLA	C1D-ND	-3.25	1.33	1.37
14	A	1125	CLA	C4B-NB	-3.24	1.33	1.37
14	H	1202	CLA	CHB-C1B	3.24	1.46	1.39
14	l	1501	CLA	C4B-NB	-3.24	1.33	1.37
15	H	1237	F6C	C3D-C2D	3.24	1.47	1.39
14	B	1021	CLA	OBD-CAD	3.24	1.28	1.22
14	A	1126	CLA	MG-ND	-3.24	1.99	2.05
14	H	1206	CLA	CHB-C1B	3.24	1.46	1.39
14	b	1021	CLA	C1C-NC	-3.24	1.32	1.37
14	A	1135	CLA	OBD-CAD	3.24	1.28	1.22
14	B	1021	CLA	C1C-NC	-3.24	1.32	1.37
14	B	1205	CLA	CHC-C4B	3.24	1.46	1.39
14	b	1223	CLA	MG-ND	-3.24	1.99	2.05
14	B	1220	CLA	C1D-ND	-3.24	1.33	1.37
15	H	1238	F6C	C1D-ND	-3.24	1.32	1.37
14	a	1124	CLA	OBD-CAD	3.24	1.28	1.22
14	H	1205	CLA	C1B-NB	-3.24	1.33	1.37
14	K	1401	CLA	MG-NC	3.24	2.14	2.06
14	B	1212	CLA	CHC-C4B	3.24	1.46	1.39
14	H	1205	CLA	CHC-C4B	3.24	1.46	1.39
14	a	1130	CLA	OBD-CAD	3.24	1.28	1.22
15	B	1238	F6C	OBD-CAD	3.24	1.28	1.22
14	H	1214	CLA	MG-ND	-3.24	1.99	2.05
14	a	1012	CLA	OBD-CAD	3.24	1.28	1.22
14	b	1204	CLA	OBD-CAD	3.24	1.28	1.22
14	B	1213	CLA	CHB-C1B	3.24	1.46	1.39
14	G	1120	CLA	C1B-NB	-3.24	1.33	1.37
14	b	1212	CLA	C1B-NB	-3.23	1.33	1.37
14	B	1204	CLA	OBD-CAD	3.23	1.28	1.22
14	B	1206	CLA	CHB-C1B	3.23	1.46	1.39
14	a	1122	CLA	CHC-C4B	3.23	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1206	CLA	C1C-NC	-3.23	1.32	1.37
14	H	1204	CLA	OBD-CAD	3.23	1.28	1.22
14	U	1501	CLA	C1B-NB	-3.23	1.33	1.37
15	B	1230	F6C	C1C-NC	-3.23	1.33	1.37
15	H	1237	F6C	CHC-C1C	3.23	1.46	1.39
15	B	1237	F6C	CHC-C1C	3.23	1.46	1.39
14	G	1137	CLA	OBD-CAD	3.23	1.28	1.22
14	L	1501	CLA	C4B-NB	-3.23	1.33	1.37
14	A	1137	CLA	C4B-NB	-3.23	1.33	1.37
14	H	1213	CLA	CHB-C1B	3.23	1.46	1.39
14	A	1138	CLA	CHB-C1B	3.23	1.46	1.39
14	a	1127	CLA	CHC-C4B	3.23	1.46	1.39
14	G	1135	CLA	OBD-CAD	3.23	1.28	1.22
14	G	1130	CLA	OBD-CAD	3.22	1.28	1.22
14	b	1213	CLA	CHB-C1B	3.22	1.46	1.39
14	a	1138	CLA	CHB-C1B	3.22	1.46	1.39
14	A	1133	CLA	CHC-C4B	3.22	1.46	1.39
14	a	1112	CLA	C1B-NB	-3.22	1.33	1.37
14	G	1133	CLA	CHC-C4B	3.22	1.46	1.39
15	B	1238	F6C	C1D-ND	-3.22	1.32	1.37
14	b	1211	CLA	OBD-CAD	3.22	1.28	1.22
14	H	1022	CLA	C3D-C2D	3.22	1.47	1.39
14	B	1212	CLA	C1B-NB	-3.22	1.33	1.37
14	A	1138	CLA	CHC-C4B	3.22	1.46	1.39
14	G	1112	CLA	C1B-NB	-3.22	1.33	1.37
14	A	1130	CLA	OBD-CAD	3.22	1.28	1.22
14	B	1202	CLA	CHB-C1B	3.22	1.46	1.39
14	b	1212	CLA	CHB-C1B	3.22	1.46	1.39
14	A	1137	CLA	OBD-CAD	3.22	1.28	1.22
14	B	1210	CLA	C1B-NB	-3.22	1.33	1.37
14	L	1501	CLA	C1B-NB	-3.22	1.33	1.37
14	G	1138	CLA	C1B-NB	-3.22	1.33	1.37
14	B	1205	CLA	C1B-NB	-3.21	1.33	1.37
14	A	1119	CLA	C3D-C2D	3.21	1.47	1.39
14	H	1223	CLA	MG-ND	-3.21	1.99	2.05
14	A	1112	CLA	C1B-NB	-3.21	1.33	1.37
14	l	1503	CLA	C1C-NC	-3.21	1.32	1.37
14	G	1138	CLA	CHC-C4B	3.21	1.46	1.39
14	A	1114	CLA	C1B-NB	-3.21	1.33	1.37
14	k	1401	CLA	MG-NC	3.21	2.13	2.06
14	a	1138	CLA	CHC-C4B	3.21	1.46	1.39
14	b	1205	CLA	CHC-C4B	3.21	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1206	CLA	CHB-C1B	3.21	1.46	1.39
14	G	1109	CLA	C1B-NB	-3.21	1.33	1.37
14	G	1138	CLA	CHB-C1B	3.21	1.46	1.39
14	B	1208	CLA	C1B-NB	-3.21	1.33	1.37
14	G	1122	CLA	C1B-NB	-3.21	1.33	1.37
14	a	1133	CLA	CHC-C4B	3.21	1.46	1.39
14	H	1212	CLA	C1B-NB	-3.21	1.33	1.37
14	b	1202	CLA	CHB-C1B	3.21	1.46	1.39
14	a	1126	CLA	MG-ND	-3.21	1.99	2.05
15	b	1238	F6C	C1D-ND	-3.21	1.32	1.37
14	H	1215	CLA	CHB-C1B	3.21	1.46	1.39
14	H	1227	CLA	OBD-CAD	3.21	1.28	1.22
14	G	1140	CLA	MG-ND	-3.20	1.99	2.05
14	B	1022	CLA	CHD-C4C	3.20	1.46	1.39
14	B	1022	CLA	C3D-C2D	3.20	1.47	1.39
14	a	1119	CLA	C3D-C2D	3.20	1.47	1.39
14	B	1223	CLA	MG-ND	-3.20	1.99	2.05
15	b	1230	F6C	C1C-NC	-3.20	1.33	1.37
14	H	1021	CLA	OBD-CAD	3.20	1.28	1.22
14	H	1021	CLA	C1C-NC	-3.20	1.32	1.37
14	a	1124	CLA	CHB-C1B	3.20	1.46	1.39
14	H	1202	CLA	C1B-NB	-3.20	1.33	1.37
14	a	1125	CLA	C1D-ND	-3.20	1.33	1.37
14	b	1216	CLA	OBD-CAD	3.20	1.28	1.22
14	H	1208	CLA	C1B-NB	-3.20	1.33	1.37
14	a	1140	CLA	MG-ND	-3.20	1.99	2.05
14	B	1211	CLA	OBD-CAD	3.20	1.28	1.22
14	G	1114	CLA	C1B-NB	-3.20	1.33	1.37
14	A	1140	CLA	MG-ND	-3.20	1.99	2.05
14	a	1012	CLA	C4B-NB	-3.20	1.33	1.37
14	H	1022	CLA	CHD-C4C	3.20	1.46	1.39
14	b	1022	CLA	CHD-C4C	3.19	1.46	1.39
14	a	1117	CLA	OBD-CAD	3.19	1.28	1.22
14	a	1135	CLA	C4B-NB	-3.19	1.33	1.37
14	A	1126	CLA	C1B-NB	-3.19	1.33	1.37
14	a	1126	CLA	C1B-NB	-3.19	1.33	1.37
14	B	1215	CLA	CHB-C1B	3.19	1.46	1.39
14	b	1215	CLA	CHB-C1B	3.19	1.46	1.39
14	H	1206	CLA	CHC-C4B	3.19	1.46	1.39
14	B	1212	CLA	CHB-C1B	3.19	1.46	1.39
14	B	1206	CLA	C1C-NC	-3.19	1.32	1.37
14	G	1124	CLA	CHB-C1B	3.19	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1221	CLA	CHB-C1B	3.19	1.46	1.39
14	b	1216	CLA	C1B-NB	-3.19	1.33	1.37
14	b	1022	CLA	C3D-C2D	3.19	1.47	1.39
14	H	1232	CLA	C1B-NB	-3.19	1.33	1.37
14	K	1401	CLA	C1D-ND	-3.19	1.33	1.37
14	H	1206	CLA	C3D-C2D	3.19	1.47	1.39
15	H	1238	F6C	OBD-CAD	3.19	1.28	1.22
14	G	1117	CLA	C1B-NB	-3.18	1.33	1.37
14	B	1212	CLA	C4B-NB	-3.18	1.33	1.37
14	G	1135	CLA	C4B-NB	-3.18	1.33	1.37
18	H	4004	BCR	C11-C12	-3.18	1.26	1.34
14	B	1232	CLA	C1B-NB	-3.18	1.33	1.37
14	H	1227	CLA	MG-ND	-3.18	1.99	2.05
14	G	1126	CLA	C1B-NB	-3.18	1.33	1.37
14	H	1216	CLA	C1B-NB	-3.18	1.33	1.37
14	a	1122	CLA	MG-ND	-3.18	1.99	2.05
14	G	1119	CLA	C3D-C2D	3.18	1.47	1.39
14	B	1216	CLA	C1B-NB	-3.18	1.33	1.37
14	A	1136	CLA	C1B-NB	-3.18	1.33	1.37
14	A	1124	CLA	CHB-C1B	3.18	1.46	1.39
14	B	1227	CLA	OBD-CAD	3.18	1.28	1.22
14	G	1128	CLA	C3D-C2D	3.18	1.47	1.39
14	A	1012	CLA	C4B-NB	-3.18	1.33	1.37
14	a	1109	CLA	C1B-NB	-3.18	1.33	1.37
14	H	1216	CLA	OBD-CAD	3.18	1.28	1.22
14	A	1125	CLA	C1B-NB	-3.18	1.33	1.37
14	G	1132	CLA	C4B-NB	-3.18	1.33	1.37
14	A	1128	CLA	C3D-C2D	3.17	1.47	1.39
14	H	1217	CLA	MG-NC	3.17	2.13	2.06
14	H	1212	CLA	CHB-C1B	3.17	1.46	1.39
14	G	1118	CLA	MG-ND	-3.17	1.99	2.05
14	A	1135	CLA	C4B-NB	-3.17	1.33	1.37
15	H	1230	F6C	C1C-NC	-3.17	1.33	1.37
14	a	1132	CLA	C1B-NB	-3.17	1.33	1.37
14	b	1232	CLA	C1B-NB	-3.17	1.33	1.37
14	a	1117	CLA	CHB-C1B	3.17	1.46	1.39
14	A	1117	CLA	C1B-NB	-3.17	1.33	1.37
14	H	1222	CLA	C3D-C2D	3.17	1.47	1.39
14	b	1208	CLA	C1B-NB	-3.17	1.33	1.37
14	k	1401	CLA	C1D-ND	-3.17	1.33	1.37
14	H	1021	CLA	CHC-C4B	3.17	1.46	1.39
14	b	1206	CLA	CHC-C4B	3.17	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1122	CLA	MG-ND	-3.17	1.99	2.05
14	A	1128	CLA	CHC-C4B	3.17	1.46	1.39
14	a	1125	CLA	C1B-NB	-3.17	1.33	1.37
14	A	1117	CLA	CHB-C1B	3.17	1.46	1.39
14	L	1502	CLA	MG-ND	-3.17	1.99	2.05
14	T	1401	CLA	C1D-ND	-3.17	1.33	1.37
14	B	1214	CLA	OBD-CAD	3.17	1.27	1.22
14	B	1225	CLA	C4B-NB	-3.17	1.33	1.37
14	G	1125	CLA	C1B-NB	-3.17	1.33	1.37
14	a	1137	CLA	C4B-NB	-3.17	1.33	1.37
14	H	1216	CLA	C1D-ND	-3.17	1.33	1.37
14	B	1021	CLA	CHC-C4B	3.17	1.46	1.39
14	H	1218	CLA	C1B-NB	-3.17	1.33	1.37
18	B	4004	BCR	C11-C12	-3.17	1.26	1.34
14	a	1132	CLA	C4B-NB	-3.17	1.33	1.37
14	B	1206	CLA	CHC-C4B	3.17	1.46	1.39
14	b	1021	CLA	CHC-C4B	3.16	1.46	1.39
14	a	1117	CLA	C1B-NB	-3.16	1.33	1.37
14	B	1202	CLA	C1B-NB	-3.16	1.33	1.37
14	A	1137	CLA	MG-ND	-3.16	1.99	2.05
14	H	1234	CLA	MG-NC	3.16	2.13	2.06
18	b	4004	BCR	C11-C12	-3.16	1.26	1.34
14	b	1225	CLA	C4B-NB	-3.16	1.33	1.37
14	G	1117	CLA	OBD-CAD	3.16	1.27	1.22
14	L	1502	CLA	C3D-C2D	3.16	1.47	1.39
14	A	1122	CLA	C1B-NB	-3.16	1.33	1.37
14	G	1012	CLA	C4B-NB	-3.16	1.33	1.37
14	A	1109	CLA	C1B-NB	-3.16	1.33	1.37
14	G	1128	CLA	CHC-C4B	3.16	1.46	1.39
14	A	1117	CLA	OBD-CAD	3.16	1.27	1.22
14	a	1128	CLA	C3D-C2D	3.16	1.47	1.39
14	B	1216	CLA	OBD-CAD	3.16	1.27	1.22
14	B	1228	CLA	C1D-ND	-3.16	1.33	1.37
14	B	1221	CLA	CHB-C1B	3.16	1.46	1.39
14	b	1204	CLA	C1B-NB	-3.16	1.33	1.37
14	b	1206	CLA	C1C-NC	-3.15	1.32	1.37
14	b	1222	CLA	C3D-C2D	3.15	1.47	1.39
14	a	1130	CLA	C3D-C2D	3.15	1.47	1.39
14	A	1132	CLA	C1B-NB	-3.15	1.33	1.37
14	b	1227	CLA	MG-ND	-3.15	1.99	2.05
14	b	1221	CLA	CHB-C1B	3.15	1.46	1.39
14	b	1226	CLA	CHB-C1B	3.15	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1118	CLA	MG-ND	-3.15	1.99	2.05
14	b	1214	CLA	OBD-CAD	3.15	1.27	1.22
14	b	1217	CLA	MG-NC	3.15	2.13	2.06
14	B	1218	CLA	C1B-NB	-3.15	1.33	1.37
14	H	1225	CLA	C4B-NB	-3.15	1.33	1.37
14	B	1222	CLA	C3D-C2D	3.15	1.47	1.39
14	B	1217	CLA	MG-NC	3.15	2.13	2.06
14	U	1502	CLA	C3D-C2D	3.15	1.47	1.39
14	A	1138	CLA	C1B-NB	-3.15	1.33	1.37
14	a	1137	CLA	MG-ND	-3.15	1.99	2.05
14	H	1211	CLA	OBD-CAD	3.15	1.27	1.22
14	H	1214	CLA	OBD-CAD	3.15	1.27	1.22
14	a	1012	CLA	C1B-NB	-3.15	1.33	1.37
14	A	1130	CLA	C3D-C2D	3.15	1.47	1.39
14	G	1132	CLA	C1B-NB	-3.15	1.33	1.37
14	B	1227	CLA	MG-ND	-3.15	1.99	2.05
14	G	1130	CLA	C3D-C2D	3.15	1.47	1.39
14	b	1206	CLA	C3D-C2D	3.15	1.47	1.39
15	b	1219	F6C	C3B-C2B	3.15	1.46	1.39
14	l	1502	CLA	MG-ND	-3.15	1.99	2.05
14	U	1502	CLA	C1B-NB	-3.15	1.33	1.37
14	G	1117	CLA	CHB-C1B	3.15	1.46	1.39
14	B	1206	CLA	C3D-C2D	3.15	1.47	1.39
14	H	1228	CLA	C1D-ND	-3.14	1.33	1.37
14	H	1220	CLA	C3D-C2D	3.14	1.47	1.39
14	H	1216	CLA	C3D-C2D	3.14	1.47	1.39
14	U	1502	CLA	MG-ND	-3.14	1.99	2.05
14	a	1111	CLA	C1B-NB	-3.14	1.33	1.37
14	G	1122	CLA	MG-ND	-3.14	1.99	2.05
14	H	1204	CLA	C1B-NB	-3.14	1.33	1.37
14	a	1131	CLA	C1B-NB	-3.14	1.33	1.37
14	G	1131	CLA	C1B-NB	-3.14	1.33	1.37
14	H	1236	CLA	C1B-NB	-3.14	1.33	1.37
14	b	1227	CLA	OBD-CAD	3.14	1.27	1.22
14	A	1131	CLA	C1B-NB	-3.14	1.33	1.37
14	b	1212	CLA	C4B-NB	-3.14	1.33	1.37
14	a	1128	CLA	CHC-C4B	3.14	1.46	1.39
15	B	1219	F6C	C3B-C2B	3.14	1.46	1.39
14	b	1228	CLA	C1D-ND	-3.14	1.33	1.37
14	B	1234	CLA	MG-NC	3.13	2.13	2.06
14	B	1204	CLA	C1B-NB	-3.13	1.33	1.37
14	B	1216	CLA	C1D-ND	-3.13	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1212	CLA	C4B-NB	-3.13	1.33	1.37
14	a	1136	CLA	C1B-NB	-3.13	1.33	1.37
14	G	1102	CLA	C1D-ND	-3.13	1.33	1.37
14	b	1202	CLA	C1B-NB	-3.13	1.33	1.37
14	B	1226	CLA	CHB-C1B	3.13	1.46	1.39
14	l	1502	CLA	C3D-C2D	3.13	1.47	1.39
14	A	1132	CLA	C4B-NB	-3.13	1.33	1.37
14	b	1234	CLA	MG-NC	3.13	2.13	2.06
14	A	1108	CLA	C1B-NB	-3.13	1.33	1.37
14	b	1218	CLA	C1B-NB	-3.13	1.33	1.37
14	G	1136	CLA	C1B-NB	-3.13	1.33	1.37
15	G	1121	F6C	CHC-C1C	3.13	1.46	1.39
14	a	1137	CLA	C1B-NB	-3.13	1.33	1.37
14	B	1234	CLA	OBD-CAD	3.13	1.27	1.22
14	A	1111	CLA	C1B-NB	-3.13	1.33	1.37
15	a	1121	F6C	CHC-C1C	3.13	1.46	1.39
14	A	1012	CLA	C1B-NB	-3.13	1.33	1.37
14	B	1216	CLA	C3D-C2D	3.13	1.47	1.39
14	a	1138	CLA	C1B-NB	-3.12	1.33	1.37
14	B	1232	CLA	C1D-ND	-3.12	1.33	1.37
14	a	1102	CLA	C1D-ND	-3.12	1.33	1.37
14	H	1226	CLA	CHB-C1B	3.12	1.46	1.39
14	b	1216	CLA	C1D-ND	-3.12	1.33	1.37
13	A	1011	CL0	OBD-CAD	3.12	1.27	1.22
14	b	1236	CLA	C1B-NB	-3.12	1.33	1.37
14	G	1137	CLA	MG-ND	-3.12	1.99	2.05
14	l	1502	CLA	C1B-NB	-3.12	1.33	1.37
14	H	1234	CLA	OBD-CAD	3.12	1.27	1.22
14	L	1502	CLA	C1B-NB	-3.12	1.33	1.37
14	G	1108	CLA	C1B-NB	-3.12	1.33	1.37
14	H	1224	CLA	C1C-NC	-3.12	1.33	1.37
14	H	1229	CLA	C1D-ND	-3.12	1.33	1.37
14	a	1122	CLA	C1B-NB	-3.12	1.33	1.37
14	b	1216	CLA	C3D-C2D	3.12	1.47	1.39
14	B	1236	CLA	C1B-NB	-3.12	1.33	1.37
14	H	1240	CLA	C3D-C2D	3.12	1.47	1.39
14	B	1220	CLA	C3D-C2D	3.12	1.47	1.39
14	A	1115	CLA	C3D-C2D	3.11	1.47	1.39
14	b	1220	CLA	C3D-C2D	3.11	1.47	1.39
14	b	1234	CLA	OBD-CAD	3.11	1.27	1.22
14	a	1118	CLA	MG-ND	-3.11	1.99	2.05
14	B	1229	CLA	C1D-ND	-3.11	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1240	CLA	C3D-C2D	3.11	1.47	1.39
13	G	1011	CL0	OBD-CAD	3.11	1.27	1.22
15	A	1121	F6C	CHC-C1C	3.11	1.46	1.39
15	H	1219	F6C	C3B-C2B	3.11	1.46	1.39
14	G	1115	CLA	C3D-C2D	3.11	1.47	1.39
15	H	1237	F6C	C3B-C2B	3.11	1.46	1.39
13	a	1011	CL0	OBD-CAD	3.11	1.27	1.22
14	l	1502	CLA	OBD-CAD	3.11	1.27	1.22
14	B	1240	CLA	C3D-C2D	3.11	1.47	1.39
14	U	1502	CLA	OBD-CAD	3.11	1.27	1.22
14	A	1123	CLA	MG-NC	3.11	2.13	2.06
14	G	1102	CLA	MG-NC	3.10	2.13	2.06
14	G	1133	CLA	MG-ND	-3.10	1.99	2.05
14	a	1115	CLA	C3D-C2D	3.10	1.47	1.39
14	a	1110	CLA	C1B-NB	-3.10	1.33	1.37
14	H	1232	CLA	C1D-ND	-3.10	1.33	1.37
14	b	1232	CLA	C1D-ND	-3.10	1.33	1.37
15	B	1237	F6C	C3B-C2B	3.10	1.46	1.39
14	a	1130	CLA	CHB-C1B	3.10	1.46	1.39
14	A	1013	CLA	C3D-C2D	3.10	1.47	1.39
14	a	1131	CLA	MG-ND	-3.10	1.99	2.05
14	A	1013	CLA	C1C-NC	-3.10	1.33	1.37
14	a	1123	CLA	MG-NC	3.10	2.13	2.06
14	A	1137	CLA	C1B-NB	-3.10	1.33	1.37
14	A	1110	CLA	C1B-NB	-3.10	1.33	1.37
14	A	1108	CLA	C3D-C2D	3.09	1.47	1.39
14	A	1102	CLA	MG-NC	3.09	2.13	2.06
14	B	1224	CLA	C1C-NC	-3.09	1.33	1.37
14	a	1108	CLA	C3D-C2D	3.09	1.47	1.39
14	A	1133	CLA	MG-ND	-3.09	1.99	2.05
14	A	1141	CLA	MG-NC	3.09	2.13	2.06
14	G	1131	CLA	MG-ND	-3.09	1.99	2.05
14	H	1221	CLA	C3D-C2D	3.09	1.47	1.39
14	a	1109	CLA	C4D-CHA	3.09	1.49	1.38
14	b	1228	CLA	MG-ND	-3.09	1.99	2.05
14	b	1217	CLA	C1D-ND	-3.09	1.33	1.37
14	G	1123	CLA	MG-NC	3.09	2.13	2.06
14	b	1228	CLA	C3D-C2D	3.09	1.47	1.39
14	a	1138	CLA	C1D-ND	-3.09	1.33	1.37
14	L	1502	CLA	OBD-CAD	3.09	1.27	1.22
14	a	1013	CLA	MG-ND	-3.09	1.99	2.05
14	H	1215	CLA	C3D-C2D	3.09	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1216	CLA	CHB-C1B	3.09	1.46	1.39
14	b	1221	CLA	C3D-C2D	3.09	1.47	1.39
14	A	1013	CLA	MG-ND	-3.09	1.99	2.05
14	H	1216	CLA	CHB-C1B	3.09	1.46	1.39
15	b	1237	F6C	C3B-C2B	3.08	1.46	1.39
14	A	1138	CLA	C3D-C2D	3.08	1.47	1.39
14	A	1131	CLA	MG-ND	-3.08	1.99	2.05
14	B	1221	CLA	C3D-C2D	3.08	1.47	1.39
14	G	1138	CLA	C3D-C2D	3.08	1.47	1.39
14	G	1137	CLA	C1B-NB	-3.08	1.33	1.37
14	G	1134	CLA	C1D-ND	-3.08	1.33	1.37
14	a	1108	CLA	C1B-NB	-3.08	1.33	1.37
14	G	1013	CLA	MG-ND	-3.08	1.99	2.05
14	a	1102	CLA	MG-NC	3.08	2.13	2.06
14	a	1112	CLA	C1D-ND	-3.08	1.33	1.37
14	G	1013	CLA	C1C-NC	-3.08	1.33	1.37
14	m	1501	CLA	MG-NC	3.08	2.13	2.06
14	H	1217	CLA	C1D-ND	-3.08	1.33	1.37
14	G	1110	CLA	C1B-NB	-3.08	1.33	1.37
14	H	1220	CLA	MG-ND	-3.08	1.99	2.05
14	H	1215	CLA	MG-ND	-3.08	1.99	2.05
14	a	1138	CLA	C3D-C2D	3.08	1.47	1.39
14	B	1217	CLA	C1D-ND	-3.07	1.33	1.37
14	G	1013	CLA	C3D-C2D	3.07	1.47	1.39
14	H	1224	CLA	CHB-C1B	3.07	1.46	1.39
14	a	1134	CLA	C1D-ND	-3.07	1.33	1.37
14	a	1013	CLA	C3D-C2D	3.07	1.47	1.39
14	A	1109	CLA	C4D-CHA	3.07	1.48	1.38
14	b	1224	CLA	C1C-NC	-3.07	1.33	1.37
14	b	1021	CLA	CHD-C4C	3.07	1.46	1.39
14	G	1111	CLA	C1B-NB	-3.07	1.33	1.37
14	b	1229	CLA	C1D-ND	-3.07	1.33	1.37
14	B	1021	CLA	CHD-C4C	3.07	1.46	1.39
14	G	1012	CLA	C1B-NB	-3.07	1.33	1.37
14	H	1022	CLA	CHB-C1B	3.07	1.46	1.39
14	B	1209	CLA	MG-ND	-3.07	1.99	2.05
14	B	1215	CLA	MG-ND	-3.07	1.99	2.05
14	H	1236	CLA	MG-ND	-3.07	1.99	2.05
14	A	1130	CLA	MG-ND	-3.07	1.99	2.05
14	G	1124	CLA	C1C-NC	-3.07	1.33	1.37
14	B	1224	CLA	CHB-C1B	3.07	1.46	1.39
14	B	1204	CLA	C4B-NB	-3.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1141	CLA	MG-NC	3.07	2.13	2.06
14	H	1214	CLA	C3D-C2D	3.07	1.47	1.39
14	G	1141	CLA	MG-NC	3.07	2.13	2.06
14	H	1209	CLA	MG-ND	-3.07	1.99	2.05
14	b	1215	CLA	C3D-C2D	3.07	1.47	1.39
14	a	1013	CLA	C1C-NC	-3.07	1.33	1.37
14	G	1130	CLA	MG-ND	-3.07	1.99	2.05
14	a	1116	CLA	C3D-C2D	3.07	1.47	1.39
14	A	1130	CLA	CHB-C1B	3.07	1.46	1.39
14	a	1117	CLA	C1C-NC	-3.07	1.33	1.37
14	a	1136	CLA	C1C-NC	-3.07	1.33	1.37
14	B	1228	CLA	C3D-C2D	3.06	1.47	1.39
14	G	1138	CLA	C1D-ND	-3.06	1.33	1.37
14	H	1021	CLA	CHD-C4C	3.06	1.46	1.39
15	B	1237	F6C	CHD-C4C	3.06	1.46	1.39
14	V	1501	CLA	MG-NC	3.06	2.13	2.06
14	B	1222	CLA	C1C-NC	-3.06	1.33	1.37
14	G	1108	CLA	C3D-C2D	3.06	1.47	1.39
14	B	1022	CLA	CHB-C1B	3.06	1.46	1.39
14	A	1101	CLA	MG-NC	3.06	2.13	2.06
15	H	1237	F6C	CHD-C4C	3.06	1.46	1.39
14	B	1228	CLA	C1B-NB	-3.06	1.33	1.37
14	a	1123	CLA	MG-ND	-3.06	1.99	2.05
14	b	1209	CLA	MG-ND	-3.06	1.99	2.05
14	H	1222	CLA	C1C-NC	-3.06	1.33	1.37
15	H	1230	F6C	C3D-C2D	3.06	1.47	1.39
14	A	1134	CLA	C1D-ND	-3.06	1.33	1.37
14	b	1234	CLA	C1B-NB	-3.06	1.33	1.37
14	G	1101	CLA	MG-NC	3.06	2.13	2.06
14	A	1124	CLA	C1C-NC	-3.06	1.33	1.37
14	G	1130	CLA	CHB-C1B	3.06	1.46	1.39
14	M	1501	CLA	MG-NC	3.06	2.13	2.06
14	b	1236	CLA	MG-ND	-3.06	1.99	2.05
14	A	1102	CLA	C1D-ND	-3.06	1.33	1.37
14	A	1138	CLA	C1D-ND	-3.06	1.33	1.37
14	B	1215	CLA	C3D-C2D	3.06	1.47	1.39
14	b	1204	CLA	C4B-NB	-3.06	1.33	1.37
15	H	1207	F6C	C3D-C2D	3.06	1.47	1.39
14	l	1503	CLA	MG-ND	-3.06	1.99	2.05
14	a	1103	CLA	CHB-C1B	3.06	1.46	1.39
14	b	1214	CLA	C3D-C2D	3.05	1.47	1.39
14	b	1022	CLA	CHB-C1B	3.05	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1123	CLA	MG-ND	-3.05	1.99	2.05
15	B	1230	F6C	C3D-C2D	3.05	1.47	1.39
14	H	1202	CLA	MG-ND	-3.05	1.99	2.05
14	b	1202	CLA	MG-ND	-3.05	1.99	2.05
14	G	1109	CLA	C4D-CHA	3.05	1.48	1.38
14	l	1501	CLA	OBD-CAD	3.05	1.27	1.22
14	A	1103	CLA	CHB-C1B	3.05	1.46	1.39
14	B	1214	CLA	C3D-C2D	3.05	1.47	1.39
15	b	1237	F6C	CHD-C4C	3.05	1.46	1.39
14	b	1220	CLA	MG-ND	-3.05	1.99	2.05
14	m	1501	CLA	MG-ND	-3.05	1.99	2.05
14	b	1222	CLA	C1C-NC	-3.05	1.33	1.37
14	B	1210	CLA	C1C-NC	-3.05	1.33	1.37
14	b	1216	CLA	CHB-C1B	3.05	1.46	1.39
14	B	1203	CLA	OBD-CAD	3.05	1.27	1.22
14	b	1228	CLA	C1B-NB	-3.05	1.33	1.37
14	G	1109	CLA	C3D-C2D	3.05	1.47	1.39
14	b	1022	CLA	MG-NC	3.05	2.13	2.06
14	G	1136	CLA	C1C-NC	-3.05	1.33	1.37
14	B	1022	CLA	MG-NC	3.05	2.13	2.06
14	H	1203	CLA	OBD-CAD	3.05	1.27	1.22
14	B	1202	CLA	MG-ND	-3.05	1.99	2.05
14	a	1126	CLA	C4B-NB	-3.05	1.33	1.37
14	A	1132	CLA	CHB-C1B	3.05	1.46	1.39
14	a	1124	CLA	C1C-NC	-3.05	1.33	1.37
14	a	1133	CLA	MG-ND	-3.04	1.99	2.05
14	A	1116	CLA	C3D-C2D	3.04	1.47	1.39
14	B	1220	CLA	MG-ND	-3.04	1.99	2.05
14	B	1236	CLA	MG-ND	-3.04	1.99	2.05
14	A	1136	CLA	C1C-NC	-3.04	1.33	1.37
14	b	1210	CLA	C1C-NC	-3.04	1.33	1.37
14	b	1215	CLA	MG-ND	-3.04	1.99	2.05
14	H	1205	CLA	CHB-C1B	3.04	1.46	1.39
14	L	1503	CLA	MG-ND	-3.04	1.99	2.05
14	H	1204	CLA	C4B-NB	-3.04	1.33	1.37
14	G	1132	CLA	CHB-C1B	3.04	1.46	1.39
15	H	1207	F6C	CHC-C1C	3.04	1.46	1.39
14	A	1140	CLA	C3D-C2D	3.04	1.47	1.39
14	U	1501	CLA	OBD-CAD	3.04	1.27	1.22
14	A	1109	CLA	C3D-C2D	3.04	1.47	1.39
14	G	1116	CLA	C3D-C2D	3.04	1.47	1.39
14	H	1205	CLA	OBD-CAD	3.04	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1139	CLA	MG-NC	3.04	2.13	2.06
14	L	1501	CLA	OBD-CAD	3.04	1.27	1.22
14	a	1139	CLA	MG-NC	3.04	2.13	2.06
14	a	1101	CLA	MG-NC	3.04	2.13	2.06
14	B	1228	CLA	MG-ND	-3.04	1.99	2.05
14	U	1503	CLA	MG-ND	-3.04	1.99	2.05
15	b	1230	F6C	C3D-C2D	3.03	1.47	1.39
14	a	1140	CLA	C3D-C2D	3.03	1.47	1.39
14	B	1205	CLA	CHB-C1B	3.03	1.46	1.39
14	a	1133	CLA	C1C-NC	-3.03	1.33	1.37
14	G	1139	CLA	MG-NC	3.03	2.13	2.06
14	M	1501	CLA	MG-ND	-3.03	1.99	2.05
14	a	1109	CLA	C3D-C2D	3.03	1.47	1.39
15	H	1207	F6C	OBD-CAD	3.03	1.27	1.22
14	b	1224	CLA	CHB-C1B	3.03	1.46	1.39
14	A	1133	CLA	C1C-NC	-3.03	1.33	1.37
14	a	1102	CLA	C3D-C2D	3.03	1.47	1.39
14	H	1203	CLA	C4B-NB	-3.03	1.33	1.37
14	H	1022	CLA	MG-NC	3.03	2.13	2.06
14	G	1133	CLA	C1C-NC	-3.03	1.33	1.37
14	b	1205	CLA	CHB-C1B	3.03	1.46	1.39
14	A	1102	CLA	C3D-C2D	3.03	1.47	1.39
14	a	1132	CLA	CHB-C1B	3.02	1.46	1.39
15	B	1207	F6C	CHC-C1C	3.02	1.46	1.39
14	A	1117	CLA	C1C-NC	-3.02	1.33	1.37
15	H	1207	F6C	C4B-NB	-3.02	1.33	1.37
14	A	1123	CLA	MG-ND	-3.02	1.99	2.05
14	b	1232	CLA	MG-NC	3.02	2.13	2.06
14	G	1131	CLA	C3D-C2D	3.02	1.47	1.39
14	H	1204	CLA	C3D-C2D	3.02	1.47	1.39
14	B	1204	CLA	C3D-C2D	3.02	1.47	1.39
14	H	1228	CLA	C3D-C2D	3.02	1.47	1.39
14	b	1235	CLA	C1B-NB	-3.02	1.33	1.37
14	G	1102	CLA	C3D-C2D	3.02	1.47	1.39
14	B	1212	CLA	C4D-CHA	3.02	1.48	1.38
14	V	1501	CLA	MG-ND	-3.02	1.99	2.05
14	G	1103	CLA	CHB-C1B	3.02	1.46	1.39
15	b	1207	F6C	CHC-C1C	3.02	1.46	1.39
15	B	1207	F6C	C4B-NB	-3.02	1.33	1.37
14	G	1140	CLA	C3D-C2D	3.02	1.47	1.39
15	B	1207	F6C	C3D-C2D	3.02	1.47	1.39
14	G	1103	CLA	C1C-NC	-3.02	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1225	CLA	C1C-NC	-3.02	1.33	1.37
14	B	1232	CLA	MG-NC	3.02	2.13	2.06
14	H	1228	CLA	MG-ND	-3.02	1.99	2.05
14	a	1130	CLA	MG-ND	-3.02	1.99	2.05
14	H	1232	CLA	MG-NC	3.01	2.13	2.06
14	H	1212	CLA	C4D-CHA	3.01	1.48	1.38
14	A	1112	CLA	C1D-ND	-3.01	1.33	1.37
14	G	1133	CLA	C4B-NB	-3.01	1.33	1.37
14	a	1129	CLA	MG-ND	-3.01	1.99	2.05
14	B	1205	CLA	OBD-CAD	3.01	1.27	1.22
14	G	1137	CLA	C1C-NC	-3.01	1.33	1.37
14	H	1210	CLA	C1C-NC	-3.01	1.33	1.37
14	G	1112	CLA	C1D-ND	-3.01	1.33	1.37
14	a	1125	CLA	MG-ND	-3.01	1.99	2.05
14	H	1203	CLA	C1C-NC	-3.01	1.33	1.37
14	H	1215	CLA	C1C-NC	-3.01	1.33	1.37
14	b	1204	CLA	C3D-C2D	3.01	1.47	1.39
14	B	1225	CLA	C1C-NC	-3.01	1.33	1.37
15	b	1207	F6C	C3D-C2D	3.01	1.47	1.39
14	B	1234	CLA	C1B-NB	-3.01	1.33	1.37
14	G	1136	CLA	MG-ND	-3.01	1.99	2.05
14	A	1137	CLA	C1C-NC	-3.01	1.33	1.37
14	G	1129	CLA	MG-ND	-3.01	1.99	2.05
14	a	1131	CLA	C3D-C2D	3.01	1.47	1.39
14	a	1137	CLA	C1C-NC	-3.01	1.33	1.37
14	A	1126	CLA	C3D-C2D	3.01	1.47	1.39
14	A	1103	CLA	C1C-NC	-3.01	1.33	1.37
14	a	1126	CLA	C3D-C2D	3.01	1.47	1.39
15	H	1219	F6C	C3D-C2D	3.01	1.47	1.39
15	H	1207	F6C	C3B-C2B	3.01	1.46	1.39
14	b	1212	CLA	C4D-CHA	3.00	1.48	1.38
14	H	1210	CLA	C3D-C2D	3.00	1.47	1.39
14	G	1117	CLA	C1C-NC	-3.00	1.33	1.37
14	H	1204	CLA	C1C-NC	-3.00	1.33	1.37
14	H	1240	CLA	C4D-CHA	3.00	1.48	1.38
14	G	1118	CLA	C1B-NB	-3.00	1.33	1.37
14	A	1013	CLA	C4B-NB	-3.00	1.33	1.37
14	b	1205	CLA	OBD-CAD	3.00	1.27	1.22
14	b	1203	CLA	C4B-NB	-3.00	1.33	1.37
13	a	1011	CL0	C1C-NC	-3.00	1.33	1.37
14	A	1119	CLA	OBD-CAD	3.00	1.27	1.22
14	b	1210	CLA	C3D-C2D	3.00	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1223	CLA	C1C-NC	-3.00	1.33	1.37
13	G	1011	CL0	C1C-NC	-3.00	1.33	1.37
14	A	1113	CLA	MG-NC	3.00	2.13	2.06
14	G	1126	CLA	C3D-C2D	3.00	1.47	1.39
14	A	1126	CLA	C4B-NB	-2.99	1.33	1.37
14	l	1501	CLA	MG-NC	2.99	2.13	2.06
14	G	1103	CLA	MG-ND	-2.99	1.99	2.05
14	a	1013	CLA	C4B-NB	-2.99	1.33	1.37
14	A	1131	CLA	C3D-C2D	2.99	1.47	1.39
14	B	1215	CLA	C1C-NC	-2.99	1.33	1.37
14	b	1204	CLA	C1C-NC	-2.99	1.33	1.37
15	b	1207	F6C	C4B-NB	-2.99	1.33	1.37
15	b	1207	F6C	C3B-C2B	2.99	1.46	1.39
14	B	1223	CLA	C1C-NC	-2.99	1.33	1.37
14	a	1118	CLA	C1B-NB	-2.99	1.33	1.37
14	G	1113	CLA	MG-NC	2.99	2.13	2.06
14	B	1210	CLA	C3D-C2D	2.99	1.47	1.39
14	H	1228	CLA	C1B-NB	-2.99	1.33	1.37
14	A	1118	CLA	MG-NC	2.99	2.13	2.06
14	a	1135	CLA	MG-ND	-2.99	1.99	2.05
14	G	1114	CLA	C3D-C2D	2.99	1.47	1.39
14	A	1136	CLA	MG-ND	-2.99	1.99	2.05
14	G	1119	CLA	MG-ND	-2.99	1.99	2.05
14	b	1240	CLA	C4D-CHA	2.99	1.48	1.38
14	H	1229	CLA	C3D-C2D	2.99	1.47	1.39
14	A	1129	CLA	MG-ND	-2.99	1.99	2.05
14	a	1126	CLA	C1C-NC	-2.99	1.33	1.37
14	G	1118	CLA	MG-NC	2.99	2.13	2.06
14	A	1135	CLA	C1C-NC	-2.99	1.33	1.37
14	H	1023	CLA	CHC-C4B	2.99	1.46	1.39
14	H	1021	CLA	C3D-C2D	2.99	1.47	1.39
14	l	1503	CLA	C3D-C2D	2.99	1.47	1.39
14	L	1501	CLA	MG-NC	2.98	2.13	2.06
14	a	1118	CLA	MG-NC	2.98	2.13	2.06
14	B	1204	CLA	C1C-NC	-2.98	1.33	1.37
14	b	1203	CLA	OBD-CAD	2.98	1.27	1.22
14	A	1114	CLA	C3D-C2D	2.98	1.47	1.39
14	B	1228	CLA	C1C-NC	-2.98	1.33	1.37
14	B	1240	CLA	C4D-CHA	2.98	1.48	1.38
14	A	1106	CLA	C1B-NB	-2.98	1.33	1.37
15	B	1207	F6C	C3B-C2B	2.98	1.46	1.39
14	B	1021	CLA	C3D-C2D	2.98	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1114	CLA	C1D-ND	-2.98	1.33	1.37
14	b	1212	CLA	C3D-C2D	2.98	1.47	1.39
14	A	1133	CLA	C4B-NB	-2.98	1.33	1.37
15	B	1219	F6C	C3D-C2D	2.98	1.47	1.39
14	A	1125	CLA	MG-ND	-2.98	1.99	2.05
14	B	1203	CLA	C4B-NB	-2.98	1.33	1.37
14	A	1109	CLA	MG-ND	-2.98	1.99	2.05
14	b	1215	CLA	C1C-NC	-2.98	1.33	1.37
15	B	1207	F6C	OBD-CAD	2.98	1.27	1.22
15	b	1207	F6C	OBD-CAD	2.98	1.27	1.22
14	a	1114	CLA	C3D-C2D	2.98	1.47	1.39
14	G	1126	CLA	C4B-NB	-2.98	1.33	1.37
14	a	1112	CLA	C1C-NC	-2.98	1.33	1.37
14	b	1023	CLA	CHC-C4B	2.98	1.46	1.39
14	b	1021	CLA	C3D-C2D	2.98	1.47	1.39
14	H	1228	CLA	C1C-NC	-2.98	1.33	1.37
14	A	1103	CLA	MG-ND	-2.98	1.99	2.05
14	a	1112	CLA	C3D-C2D	2.98	1.47	1.39
14	H	1221	CLA	C4B-NB	-2.98	1.34	1.37
14	B	1212	CLA	MG-ND	-2.98	1.99	2.05
14	H	1223	CLA	C4B-NB	-2.98	1.34	1.37
14	H	1233	CLA	C3D-C2D	2.98	1.47	1.39
14	U	1503	CLA	C3D-C2D	2.98	1.47	1.39
15	b	1219	F6C	C3D-C2D	2.98	1.47	1.39
14	b	1225	CLA	C1C-NC	-2.98	1.33	1.37
14	B	1235	CLA	C1B-NB	-2.97	1.34	1.37
14	a	1141	CLA	C3D-C2D	2.97	1.47	1.39
14	B	1023	CLA	CHC-C4B	2.97	1.46	1.39
14	H	1234	CLA	C1B-NB	-2.97	1.34	1.37
14	G	1106	CLA	C1B-NB	-2.97	1.34	1.37
14	l	1503	CLA	C4B-NB	-2.97	1.34	1.37
14	a	1105	CLA	MG-NC	2.97	2.13	2.06
14	A	1112	CLA	C3D-C2D	2.97	1.47	1.39
14	L	1503	CLA	C3D-C2D	2.97	1.47	1.39
14	A	1114	CLA	C1D-ND	-2.97	1.34	1.37
14	B	1203	CLA	C1C-NC	-2.97	1.33	1.37
14	A	1113	CLA	C3D-C2D	2.97	1.47	1.39
14	B	1221	CLA	C4B-NB	-2.97	1.34	1.37
14	b	1229	CLA	C3D-C2D	2.97	1.47	1.39
14	a	1141	CLA	C1D-ND	-2.97	1.34	1.37
14	G	1126	CLA	C1C-NC	-2.97	1.33	1.37
13	A	1011	CL0	C3D-C2D	2.97	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1103	CLA	C1C-NC	-2.97	1.33	1.37
14	H	1235	CLA	C1B-NB	-2.97	1.34	1.37
14	a	1109	CLA	MG-ND	-2.97	1.99	2.05
14	H	1201	CLA	C1B-NB	-2.97	1.34	1.37
14	H	1201	CLA	MG-NC	2.97	2.13	2.06
15	H	1238	F6C	C3B-C2B	2.97	1.46	1.39
15	a	1121	F6C	C3D-C2D	2.97	1.47	1.39
14	A	1126	CLA	C1C-NC	-2.97	1.33	1.37
14	b	1212	CLA	C1D-ND	-2.97	1.34	1.37
14	A	1141	CLA	C3D-C2D	2.97	1.47	1.39
14	b	1221	CLA	MG-NC	2.97	2.13	2.06
14	A	1141	CLA	C4D-CHA	2.97	1.48	1.38
14	H	1223	CLA	C1C-NC	-2.97	1.33	1.37
14	B	1214	CLA	MG-NC	2.97	2.13	2.06
13	G	1011	CL0	C3D-C2D	2.97	1.47	1.39
14	G	1105	CLA	MG-NC	2.97	2.13	2.06
14	A	1118	CLA	C1B-NB	-2.97	1.34	1.37
14	b	1201	CLA	C1B-NB	-2.97	1.34	1.37
15	b	1238	F6C	C3B-C2B	2.96	1.46	1.39
14	B	1201	CLA	MG-NC	2.96	2.13	2.06
14	a	1112	CLA	C4B-NB	-2.96	1.34	1.37
14	b	1211	CLA	MG-NC	2.96	2.13	2.06
14	b	1228	CLA	C1C-NC	-2.96	1.33	1.37
14	a	1113	CLA	MG-NC	2.96	2.13	2.06
15	B	1238	F6C	C3B-C2B	2.96	1.46	1.39
14	G	1129	CLA	C1C-NC	-2.96	1.33	1.37
14	G	1119	CLA	OBD-CAD	2.96	1.27	1.22
14	a	1136	CLA	OBD-CAD	2.96	1.27	1.22
14	b	1221	CLA	C4B-NB	-2.96	1.34	1.37
13	a	1011	CL0	C3D-C2D	2.96	1.47	1.39
14	G	1141	CLA	C1D-ND	-2.96	1.34	1.37
14	a	1133	CLA	C4B-NB	-2.96	1.34	1.37
14	B	1223	CLA	MG-NC	2.96	2.13	2.06
14	a	1114	CLA	C1D-ND	-2.96	1.34	1.37
14	G	1141	CLA	C3D-C2D	2.96	1.47	1.39
14	H	1204	CLA	MG-ND	-2.96	1.99	2.05
14	a	1136	CLA	MG-ND	-2.96	1.99	2.05
14	H	1221	CLA	MG-NC	2.96	2.13	2.06
14	A	1107	CLA	MG-ND	-2.96	1.99	2.05
13	A	1011	CL0	C1C-NC	-2.96	1.33	1.37
14	G	1116	CLA	MG-ND	-2.96	1.99	2.05
14	b	1224	CLA	C4B-NB	-2.96	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1202	CLA	C1C-NC	-2.96	1.33	1.37
14	a	1103	CLA	MG-ND	-2.96	1.99	2.05
14	B	1212	CLA	C3D-C2D	2.96	1.47	1.39
14	G	1113	CLA	C3D-C2D	2.96	1.47	1.39
14	H	1208	CLA	C3D-C2D	2.96	1.47	1.39
14	G	1125	CLA	MG-ND	-2.96	1.99	2.05
14	U	1501	CLA	MG-NC	2.96	2.13	2.06
14	b	1233	CLA	MG-NC	2.96	2.13	2.06
14	G	1115	CLA	C1B-NB	-2.96	1.34	1.37
14	A	1139	CLA	C3D-C2D	2.96	1.47	1.39
14	a	1125	CLA	CHD-C4C	2.96	1.45	1.39
14	A	1105	CLA	MG-NC	2.96	2.13	2.06
14	H	1212	CLA	MG-ND	-2.96	1.99	2.05
14	G	1141	CLA	C4D-CHA	2.96	1.48	1.38
14	B	1236	CLA	C1C-NC	-2.96	1.33	1.37
14	G	1107	CLA	MG-ND	-2.96	1.99	2.05
14	G	1109	CLA	MG-ND	-2.96	1.99	2.05
14	G	1135	CLA	C1C-NC	-2.96	1.33	1.37
14	b	1201	CLA	MG-NC	2.95	2.13	2.06
14	A	1125	CLA	CHD-C4C	2.95	1.45	1.39
14	b	1229	CLA	C1B-NB	-2.95	1.34	1.37
14	B	1208	CLA	C3D-C2D	2.95	1.47	1.39
14	a	1012	CLA	CHB-C1B	2.95	1.46	1.39
14	b	1203	CLA	C1C-NC	-2.95	1.33	1.37
14	a	1139	CLA	C3D-C2D	2.95	1.47	1.39
14	H	1224	CLA	C4B-NB	-2.95	1.34	1.37
14	A	1119	CLA	MG-ND	-2.95	1.99	2.05
14	A	1116	CLA	MG-ND	-2.95	1.99	2.05
14	b	1212	CLA	MG-ND	-2.95	1.99	2.05
14	a	1135	CLA	C1C-NC	-2.95	1.33	1.37
14	B	1229	CLA	C3D-C2D	2.95	1.47	1.39
14	B	1221	CLA	MG-NC	2.95	2.13	2.06
14	B	1233	CLA	MG-NC	2.95	2.13	2.06
14	A	1105	CLA	C1B-NB	-2.95	1.34	1.37
14	H	1214	CLA	MG-NC	2.95	2.13	2.06
14	A	1141	CLA	C1D-ND	-2.95	1.34	1.37
14	a	1105	CLA	C1B-NB	-2.95	1.34	1.37
14	a	1141	CLA	C4D-CHA	2.95	1.48	1.38
14	b	1214	CLA	MG-NC	2.95	2.13	2.06
14	b	1220	CLA	MG-NC	2.95	2.13	2.06
14	b	1236	CLA	C1C-NC	-2.95	1.33	1.37
14	B	1233	CLA	C3D-C2D	2.95	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1233	CLA	C3D-C2D	2.95	1.47	1.39
14	G	1112	CLA	C3D-C2D	2.95	1.47	1.39
14	A	1135	CLA	MG-ND	-2.95	1.99	2.05
14	H	1212	CLA	C3D-C2D	2.95	1.47	1.39
14	B	1211	CLA	MG-NC	2.95	2.13	2.06
14	A	1133	CLA	C3D-C2D	2.95	1.47	1.39
14	a	1116	CLA	MG-ND	-2.94	1.99	2.05
14	B	1229	CLA	C1B-NB	-2.94	1.34	1.37
14	G	1125	CLA	CHD-C4C	2.94	1.45	1.39
15	A	1121	F6C	C3D-C2D	2.94	1.47	1.39
14	G	1139	CLA	C3D-C2D	2.94	1.47	1.39
14	H	1223	CLA	C4D-CHA	2.94	1.48	1.38
14	a	1132	CLA	C1C-NC	-2.94	1.33	1.37
14	G	1013	CLA	C4B-NB	-2.94	1.34	1.37
14	A	1129	CLA	C1C-NC	-2.94	1.33	1.37
14	a	1129	CLA	C1C-NC	-2.94	1.33	1.37
14	b	1234	CLA	MG-ND	-2.94	2.00	2.05
14	G	1132	CLA	C3D-C2D	2.94	1.47	1.39
14	H	1236	CLA	C1C-NC	-2.94	1.33	1.37
14	b	1216	CLA	C1C-NC	-2.94	1.33	1.37
14	A	1012	CLA	CHB-C1B	2.94	1.46	1.39
14	a	1113	CLA	C3D-C2D	2.94	1.47	1.39
14	a	1133	CLA	C3D-C2D	2.94	1.47	1.39
14	a	1132	CLA	C3D-C2D	2.94	1.47	1.39
14	a	1119	CLA	OBD-CAD	2.94	1.27	1.22
14	B	1202	CLA	C1C-NC	-2.94	1.33	1.37
14	b	1208	CLA	C3D-C2D	2.94	1.47	1.39
14	b	1204	CLA	MG-ND	-2.94	2.00	2.05
14	H	1202	CLA	C1C-NC	-2.94	1.33	1.37
14	A	1132	CLA	C3D-C2D	2.94	1.47	1.39
14	H	1213	CLA	C3D-C2D	2.94	1.47	1.39
14	H	1211	CLA	MG-NC	2.94	2.13	2.06
14	G	1112	CLA	C1C-NC	-2.94	1.33	1.37
14	G	1105	CLA	C1B-NB	-2.94	1.34	1.37
14	H	1223	CLA	MG-NC	2.94	2.13	2.06
14	a	1135	CLA	MG-NC	2.94	2.13	2.06
14	G	1133	CLA	C3D-C2D	2.94	1.47	1.39
14	G	1135	CLA	MG-NC	2.94	2.13	2.06
14	b	1203	CLA	MG-ND	-2.94	2.00	2.05
14	B	1223	CLA	C4D-CHA	2.94	1.48	1.38
14	a	1119	CLA	MG-ND	-2.93	2.00	2.05
14	B	1235	CLA	OBD-CAD	2.93	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1209	CLA	C3D-C2D	2.93	1.47	1.39
14	B	1212	CLA	C1D-ND	-2.93	1.34	1.37
14	B	1201	CLA	C1B-NB	-2.93	1.34	1.37
14	B	1212	CLA	OBD-CAD	2.93	1.27	1.22
14	G	1112	CLA	C4B-NB	-2.93	1.34	1.37
14	b	1239	CLA	C1B-NB	-2.93	1.34	1.37
14	H	1235	CLA	OBD-CAD	2.93	1.27	1.22
14	b	1232	CLA	C4D-CHA	2.93	1.48	1.38
14	G	1135	CLA	MG-ND	-2.93	2.00	2.05
14	H	1229	CLA	MG-NC	2.93	2.13	2.06
14	b	1209	CLA	C3D-C2D	2.93	1.47	1.39
14	G	1101	CLA	C4D-CHA	2.93	1.48	1.38
14	a	1140	CLA	C1B-NB	-2.93	1.34	1.37
14	H	1218	CLA	C3D-C2D	2.93	1.47	1.39
14	H	1232	CLA	C4D-CHA	2.93	1.48	1.38
14	A	1140	CLA	C1B-NB	-2.93	1.34	1.37
14	A	1116	CLA	MG-NC	2.93	2.13	2.06
14	B	1234	CLA	MG-ND	-2.93	2.00	2.05
14	A	1135	CLA	MG-NC	2.93	2.13	2.06
14	U	1503	CLA	C4B-NB	-2.93	1.34	1.37
14	a	1106	CLA	C1B-NB	-2.93	1.34	1.37
14	b	1223	CLA	C4D-CHA	2.93	1.48	1.38
14	H	1233	CLA	MG-NC	2.93	2.13	2.06
14	A	1136	CLA	C3D-C2D	2.93	1.47	1.39
14	G	1120	CLA	C3D-C2D	2.93	1.47	1.39
14	B	1223	CLA	C4B-NB	-2.93	1.34	1.37
14	H	1216	CLA	C1C-NC	-2.93	1.33	1.37
14	b	1223	CLA	MG-NC	2.93	2.13	2.06
14	b	1217	CLA	C3D-C2D	2.93	1.47	1.39
14	b	1212	CLA	OBD-CAD	2.93	1.27	1.22
14	B	1209	CLA	C3D-C2D	2.93	1.47	1.39
14	A	1136	CLA	OBD-CAD	2.93	1.27	1.22
14	M	1501	CLA	C1B-NB	-2.92	1.34	1.37
14	B	1224	CLA	C4B-NB	-2.92	1.34	1.37
14	B	1229	CLA	MG-NC	2.92	2.13	2.06
14	H	1212	CLA	C1D-ND	-2.92	1.34	1.37
14	b	1213	CLA	C1B-NB	-2.92	1.34	1.37
14	a	1110	CLA	C3D-C2D	2.92	1.47	1.39
14	B	1232	CLA	C4D-CHA	2.92	1.48	1.38
14	a	1122	CLA	C3D-C2D	2.92	1.47	1.39
14	a	1140	CLA	MG-NC	2.92	2.13	2.06
14	L	1503	CLA	C4B-NB	-2.92	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1112	CLA	C4B-NB	-2.92	1.34	1.37
14	G	1138	CLA	C4D-CHA	2.92	1.48	1.38
14	b	1229	CLA	MG-NC	2.92	2.13	2.06
14	B	1213	CLA	C3D-C2D	2.92	1.47	1.39
14	B	1217	CLA	MG-ND	-2.92	2.00	2.05
15	G	1121	F6C	C3D-C2D	2.92	1.47	1.39
14	B	1204	CLA	MG-ND	-2.92	2.00	2.05
14	b	1223	CLA	C4B-NB	-2.92	1.34	1.37
14	A	1132	CLA	C1C-NC	-2.92	1.33	1.37
14	B	1211	CLA	C3D-C2D	2.92	1.47	1.39
14	a	1107	CLA	MG-ND	-2.92	2.00	2.05
14	a	1136	CLA	C3D-C2D	2.92	1.47	1.39
14	b	1213	CLA	C3D-C2D	2.92	1.47	1.39
14	a	1140	CLA	C4D-CHA	2.92	1.48	1.38
14	H	1212	CLA	OBD-CAD	2.92	1.27	1.22
14	B	1213	CLA	C1B-NB	-2.92	1.34	1.37
14	B	1226	CLA	CHC-C4B	2.92	1.46	1.39
14	B	1216	CLA	C1C-NC	-2.92	1.33	1.37
14	A	1122	CLA	C3D-C2D	2.92	1.46	1.39
14	A	1101	CLA	C4D-CHA	2.92	1.48	1.38
14	b	1221	CLA	C4D-CHA	2.92	1.48	1.38
14	b	1218	CLA	C3D-C2D	2.92	1.46	1.39
14	H	1226	CLA	CHC-C4B	2.92	1.46	1.39
14	H	1220	CLA	MG-NC	2.92	2.13	2.06
14	A	1112	CLA	C1C-NC	-2.91	1.33	1.37
15	B	1230	F6C	C3C-C2C	2.91	1.46	1.38
14	A	1140	CLA	MG-NC	2.91	2.13	2.06
14	b	1235	CLA	OBD-CAD	2.91	1.27	1.22
14	G	1114	CLA	MG-NC	2.91	2.13	2.06
14	a	1139	CLA	C4D-CHA	2.91	1.48	1.38
14	H	1234	CLA	MG-ND	-2.91	2.00	2.05
14	G	1114	CLA	C4D-CHA	2.91	1.48	1.38
14	G	1136	CLA	C3D-C2D	2.91	1.46	1.39
14	B	1220	CLA	MG-NC	2.91	2.13	2.06
14	H	1021	CLA	C4B-NB	-2.91	1.34	1.37
14	G	1129	CLA	C4B-NB	-2.91	1.34	1.37
14	A	1110	CLA	C3D-C2D	2.91	1.46	1.39
14	H	1217	CLA	MG-ND	-2.91	2.00	2.05
14	H	1201	CLA	C3D-C2D	2.91	1.46	1.39
15	H	1230	F6C	C3C-C2C	2.91	1.46	1.38
14	m	1501	CLA	C1B-NB	-2.91	1.34	1.37
14	a	1101	CLA	C4D-CHA	2.91	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1108	CLA	MG-NC	2.91	2.13	2.06
14	b	1211	CLA	C3D-C2D	2.91	1.46	1.39
14	A	1127	CLA	C3D-C2D	2.91	1.46	1.39
14	B	1023	CLA	C3D-C2D	2.91	1.46	1.39
14	G	1107	CLA	C1B-NB	-2.91	1.34	1.37
14	a	1116	CLA	MG-NC	2.91	2.13	2.06
14	b	1201	CLA	C3D-C2D	2.91	1.46	1.39
14	b	1220	CLA	C1B-NB	-2.91	1.34	1.37
14	B	1203	CLA	MG-ND	-2.91	2.00	2.05
14	B	1217	CLA	C3D-C2D	2.91	1.46	1.39
14	A	1114	CLA	MG-NC	2.91	2.13	2.06
15	b	1230	F6C	C3C-C2C	2.91	1.46	1.38
14	G	1113	CLA	C4B-NB	-2.91	1.34	1.37
14	H	1211	CLA	C3D-C2D	2.90	1.46	1.39
14	A	1120	CLA	C3D-C2D	2.90	1.46	1.39
14	G	1108	CLA	MG-NC	2.90	2.13	2.06
14	A	1115	CLA	C1B-NB	-2.90	1.34	1.37
14	B	1220	CLA	C1B-NB	-2.90	1.34	1.37
14	b	1023	CLA	C3D-C2D	2.90	1.46	1.39
14	G	1139	CLA	C4D-CHA	2.90	1.48	1.38
15	b	1238	F6C	MG-ND	-2.90	1.99	2.06
15	b	1219	F6C	C1C-NC	-2.90	1.34	1.37
14	G	1120	CLA	C1C-NC	-2.90	1.33	1.37
14	a	1118	CLA	C3D-C2D	2.90	1.46	1.39
14	B	1221	CLA	C4D-CHA	2.90	1.48	1.38
14	A	1139	CLA	C4D-CHA	2.90	1.48	1.38
15	H	1219	F6C	C1C-NC	-2.90	1.34	1.37
14	B	1218	CLA	C3D-C2D	2.90	1.46	1.39
14	H	1023	CLA	C4C-C3C	2.90	1.50	1.45
14	b	1226	CLA	CHC-C4B	2.90	1.45	1.39
14	H	1229	CLA	C1B-NB	-2.90	1.34	1.37
14	B	1201	CLA	C3D-C2D	2.90	1.46	1.39
15	B	1238	F6C	MG-ND	-2.90	1.99	2.06
14	B	1023	CLA	C4C-C3C	2.90	1.50	1.45
14	H	1209	CLA	MG-NC	2.90	2.13	2.06
14	H	1213	CLA	C1B-NB	-2.90	1.34	1.37
14	a	1127	CLA	C3D-C2D	2.90	1.46	1.39
14	A	1138	CLA	C4D-CHA	2.90	1.48	1.38
14	a	1138	CLA	C4D-CHA	2.90	1.48	1.38
14	G	1116	CLA	MG-NC	2.90	2.13	2.06
14	l	1501	CLA	C1C-NC	-2.90	1.33	1.37
14	A	1114	CLA	C4D-CHA	2.90	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1108	CLA	MG-ND	-2.90	2.00	2.05
14	B	1208	CLA	C4B-NB	-2.90	1.34	1.37
14	V	1501	CLA	C1B-NB	-2.90	1.34	1.37
14	A	1106	CLA	C1C-NC	-2.90	1.33	1.37
14	U	1501	CLA	C1C-NC	-2.89	1.33	1.37
14	G	1136	CLA	OBD-CAD	2.89	1.27	1.22
14	a	1114	CLA	C4D-CHA	2.89	1.48	1.38
14	G	1012	CLA	CHB-C1B	2.89	1.45	1.39
14	b	1234	CLA	C1C-NC	-2.89	1.33	1.37
14	G	1116	CLA	C4D-CHA	2.89	1.48	1.38
14	H	1023	CLA	C3D-C2D	2.89	1.46	1.39
14	A	1140	CLA	C4D-CHA	2.89	1.48	1.38
15	H	1219	F6C	C3C-C2C	2.89	1.46	1.38
14	G	1131	CLA	C1C-NC	-2.89	1.33	1.37
14	a	1120	CLA	C3D-C2D	2.89	1.46	1.39
14	G	1110	CLA	C3D-C2D	2.89	1.46	1.39
15	B	1219	F6C	C3C-C2C	2.89	1.46	1.38
14	a	1120	CLA	C1C-NC	-2.89	1.33	1.37
14	G	1140	CLA	C1B-NB	-2.89	1.34	1.37
14	b	1023	CLA	C4C-C3C	2.89	1.49	1.45
14	b	1235	CLA	C3D-C2D	2.89	1.46	1.39
14	G	1122	CLA	C3D-C2D	2.89	1.46	1.39
14	B	1234	CLA	C1C-NC	-2.89	1.33	1.37
14	H	1220	CLA	C1B-NB	-2.89	1.34	1.37
14	L	1501	CLA	C1C-NC	-2.89	1.33	1.37
14	b	1217	CLA	MG-ND	-2.89	2.00	2.05
14	H	1217	CLA	C3D-C2D	2.89	1.46	1.39
14	a	1108	CLA	MG-NC	2.89	2.13	2.06
14	b	1217	CLA	C4D-CHA	2.89	1.48	1.38
14	A	1134	CLA	MG-NC	2.89	2.13	2.06
14	H	1203	CLA	MG-ND	-2.89	2.00	2.05
14	b	1229	CLA	MG-ND	-2.89	2.00	2.05
14	A	1120	CLA	C1C-NC	-2.89	1.33	1.37
14	A	1111	CLA	MG-NC	2.89	2.13	2.06
14	A	1124	CLA	C4B-NB	-2.89	1.34	1.37
14	a	1114	CLA	MG-NC	2.88	2.13	2.06
14	b	1209	CLA	MG-NC	2.88	2.13	2.06
14	a	1132	CLA	MG-ND	-2.88	2.00	2.05
14	a	1107	CLA	C1B-NB	-2.88	1.34	1.37
14	B	1217	CLA	C4D-CHA	2.88	1.48	1.38
14	B	1239	CLA	C1B-NB	-2.88	1.34	1.37
14	G	1127	CLA	C3D-C2D	2.88	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1110	CLA	MG-ND	-2.88	2.00	2.05
15	B	1237	F6C	MG-ND	-2.88	1.99	2.06
14	G	1106	CLA	C3D-C2D	2.88	1.46	1.39
14	A	1132	CLA	MG-ND	-2.88	2.00	2.05
14	H	1235	CLA	C3D-C2D	2.88	1.46	1.39
14	a	1124	CLA	C4B-NB	-2.88	1.34	1.37
15	b	1238	F6C	C4C-NC	-2.88	1.34	1.37
14	G	1134	CLA	MG-NC	2.88	2.13	2.06
14	G	1132	CLA	C1C-NC	-2.88	1.33	1.37
14	G	1131	CLA	MG-NC	2.88	2.13	2.06
14	a	1134	CLA	MG-NC	2.88	2.13	2.06
14	A	1113	CLA	C4B-NB	-2.88	1.34	1.37
14	A	1122	CLA	C4B-NB	-2.88	1.34	1.37
14	B	1021	CLA	C4B-NB	-2.88	1.34	1.37
15	B	1219	F6C	C1C-NC	-2.88	1.34	1.37
14	G	1140	CLA	MG-NC	2.88	2.13	2.06
14	G	1124	CLA	MG-ND	-2.88	2.00	2.05
14	A	1129	CLA	C4B-NB	-2.88	1.34	1.37
14	a	1105	CLA	C4B-NB	-2.88	1.34	1.37
14	H	1234	CLA	C1C-NC	-2.88	1.33	1.37
14	G	1140	CLA	C4D-CHA	2.88	1.48	1.38
14	b	1205	CLA	C3D-C2D	2.88	1.46	1.39
15	A	1121	F6C	C4C-NC	-2.88	1.34	1.37
14	a	1110	CLA	MG-ND	-2.88	2.00	2.05
14	A	1118	CLA	C3D-C2D	2.88	1.46	1.39
14	B	1235	CLA	C3D-C2D	2.87	1.46	1.39
14	H	1221	CLA	C4D-CHA	2.87	1.48	1.38
14	H	1208	CLA	C4B-NB	-2.87	1.34	1.37
14	G	1118	CLA	C3D-C2D	2.87	1.46	1.39
14	a	1111	CLA	MG-NC	2.87	2.13	2.06
14	G	1112	CLA	C4D-CHA	2.87	1.48	1.38
14	H	1217	CLA	C4D-CHA	2.87	1.48	1.38
14	A	1131	CLA	MG-NC	2.87	2.13	2.06
14	a	1111	CLA	C3D-C2D	2.87	1.46	1.39
14	A	1116	CLA	C4D-CHA	2.87	1.48	1.38
14	A	1110	CLA	MG-ND	-2.87	2.00	2.05
14	G	1108	CLA	MG-ND	-2.87	2.00	2.05
14	a	1116	CLA	C4D-CHA	2.87	1.48	1.38
14	H	1233	CLA	C1D-ND	-2.87	1.34	1.37
14	b	1215	CLA	C4B-NB	-2.87	1.34	1.37
15	H	1237	F6C	MG-ND	-2.87	1.99	2.06
14	G	1106	CLA	C1C-NC	-2.87	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1222	CLA	C4B-NB	-2.87	1.34	1.37
14	G	1132	CLA	MG-ND	-2.87	2.00	2.05
14	a	1122	CLA	C4D-CHA	2.87	1.48	1.38
14	a	1108	CLA	MG-ND	-2.87	2.00	2.05
14	B	1209	CLA	MG-NC	2.87	2.13	2.06
14	B	1240	CLA	MG-NC	2.87	2.13	2.06
14	a	1122	CLA	C4B-NB	-2.87	1.34	1.37
14	B	1205	CLA	C3D-C2D	2.87	1.46	1.39
14	A	1112	CLA	C4D-CHA	2.87	1.48	1.38
14	A	1131	CLA	C4D-CHA	2.86	1.48	1.38
15	b	1207	F6C	C1A-C2A	2.86	1.51	1.45
14	G	1124	CLA	C4B-NB	-2.86	1.34	1.37
14	G	1111	CLA	C3D-C2D	2.86	1.46	1.39
15	H	1238	F6C	MG-ND	-2.86	1.99	2.06
14	G	1111	CLA	C4D-CHA	2.86	1.48	1.38
14	H	1208	CLA	C1C-NC	-2.86	1.33	1.37
14	G	1122	CLA	C4B-NB	-2.86	1.34	1.37
14	b	1235	CLA	MG-ND	-2.86	2.00	2.05
14	a	1119	CLA	MG-NC	2.86	2.13	2.06
14	A	1128	CLA	C4D-CHA	2.86	1.48	1.38
14	G	1131	CLA	C4D-CHA	2.86	1.48	1.38
15	b	1219	F6C	C3C-C2C	2.86	1.46	1.38
15	b	1237	F6C	MG-ND	-2.86	1.99	2.06
14	G	1111	CLA	MG-NC	2.86	2.13	2.06
15	a	1121	F6C	C4C-NC	-2.86	1.34	1.37
14	H	1223	CLA	OBD-CAD	2.86	1.27	1.22
14	A	1107	CLA	C1B-NB	-2.86	1.34	1.37
14	B	1222	CLA	C4B-NB	-2.86	1.34	1.37
14	G	1108	CLA	C4B-NB	-2.86	1.34	1.37
14	A	1111	CLA	C4D-CHA	2.86	1.48	1.38
14	A	1122	CLA	C4D-CHA	2.86	1.48	1.38
14	a	1106	CLA	C1C-NC	-2.86	1.33	1.37
14	H	1235	CLA	C1C-NC	-2.86	1.33	1.37
14	G	1127	CLA	C4B-NB	-2.86	1.34	1.37
14	a	1129	CLA	C4B-NB	-2.86	1.34	1.37
14	b	1240	CLA	C1B-NB	-2.86	1.34	1.37
14	B	1223	CLA	OBD-CAD	2.86	1.27	1.22
14	b	1216	CLA	MG-ND	-2.86	2.00	2.05
14	G	1128	CLA	C4D-CHA	2.86	1.48	1.38
14	H	1239	CLA	C1B-NB	-2.86	1.34	1.37
14	a	1124	CLA	C3D-C2D	2.86	1.46	1.39
14	H	1222	CLA	C4B-NB	-2.86	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1208	CLA	C1C-NC	-2.86	1.33	1.37
14	U	1503	CLA	MG-NC	2.86	2.13	2.06
14	B	1208	CLA	C1C-NC	-2.85	1.33	1.37
14	B	1229	CLA	MG-ND	-2.85	2.00	2.05
14	G	1107	CLA	C3D-C2D	2.85	1.46	1.39
14	A	1127	CLA	C4B-NB	-2.85	1.34	1.37
14	H	1232	CLA	MG-ND	-2.85	2.00	2.05
14	a	1115	CLA	C1B-NB	-2.85	1.34	1.37
14	a	1106	CLA	MG-ND	-2.85	2.00	2.05
14	k	1401	CLA	C1B-C2B	2.85	1.49	1.43
14	b	1208	CLA	C4B-NB	-2.85	1.34	1.37
15	G	1121	F6C	C4C-NC	-2.85	1.34	1.37
14	b	1240	CLA	MG-NC	2.85	2.13	2.06
14	a	1111	CLA	C4D-CHA	2.85	1.48	1.38
14	H	1205	CLA	C3D-C2D	2.85	1.46	1.39
14	G	1122	CLA	C4D-CHA	2.85	1.48	1.38
14	B	1232	CLA	MG-ND	-2.85	2.00	2.05
14	G	1115	CLA	MG-NC	2.85	2.13	2.06
14	H	1240	CLA	MG-NC	2.85	2.13	2.06
14	a	1102	CLA	C4D-CHA	2.85	1.48	1.38
14	b	1232	CLA	C3D-C2D	2.85	1.46	1.39
14	a	1128	CLA	C4D-CHA	2.85	1.48	1.38
14	A	1107	CLA	C3D-C2D	2.85	1.46	1.39
14	a	1123	CLA	C4B-NB	-2.85	1.34	1.37
14	A	1131	CLA	C1C-NC	-2.85	1.33	1.37
14	H	1229	CLA	MG-ND	-2.85	2.00	2.05
14	A	1106	CLA	C3D-C2D	2.85	1.46	1.39
14	A	1111	CLA	C3D-C2D	2.85	1.46	1.39
14	A	1101	CLA	C1D-ND	-2.85	1.34	1.37
14	H	1215	CLA	C4B-NB	-2.85	1.34	1.37
14	A	1123	CLA	C3D-C2D	2.85	1.46	1.39
14	a	1127	CLA	C4B-NB	-2.85	1.34	1.37
14	G	1102	CLA	C4D-CHA	2.85	1.48	1.38
14	A	1124	CLA	C3D-C2D	2.85	1.46	1.39
14	A	1113	CLA	C1D-ND	-2.84	1.34	1.37
14	A	1119	CLA	MG-NC	2.84	2.13	2.06
14	G	1119	CLA	MG-NC	2.84	2.13	2.06
14	A	1108	CLA	C4B-NB	-2.84	1.34	1.37
14	a	1112	CLA	C4D-CHA	2.84	1.48	1.38
14	G	1126	CLA	CHB-C1B	2.84	1.45	1.39
15	H	1230	F6C	C3B-C2B	2.84	1.46	1.39
14	a	1108	CLA	C4B-NB	-2.84	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1131	CLA	C4D-CHA	2.84	1.48	1.38
14	K	1401	CLA	C3D-C2D	2.84	1.46	1.39
14	B	1220	CLA	C4D-CHA	2.84	1.48	1.38
14	A	1102	CLA	C4D-CHA	2.84	1.48	1.38
14	A	1127	CLA	C1C-NC	-2.84	1.33	1.37
14	A	1140	CLA	C1C-NC	-2.84	1.33	1.37
14	G	1105	CLA	C4B-NB	-2.84	1.34	1.37
15	H	1207	F6C	C1A-C2A	2.84	1.51	1.45
14	H	1220	CLA	C4D-CHA	2.84	1.48	1.38
14	a	1114	CLA	MG-ND	-2.84	2.00	2.05
14	A	1126	CLA	CHB-C1B	2.84	1.45	1.39
14	a	1134	CLA	C1C-NC	-2.84	1.33	1.37
14	G	1106	CLA	MG-ND	-2.84	2.00	2.05
14	B	1226	CLA	C4D-CHA	2.84	1.48	1.38
14	A	1105	CLA	C4B-NB	-2.84	1.34	1.37
14	a	1130	CLA	C1C-NC	-2.84	1.33	1.37
14	B	1233	CLA	C1D-ND	-2.84	1.34	1.37
14	G	1101	CLA	C1D-ND	-2.84	1.34	1.37
14	A	1124	CLA	MG-ND	-2.84	2.00	2.05
14	b	1223	CLA	OBD-CAD	2.84	1.27	1.22
14	A	1130	CLA	C1C-NC	-2.84	1.33	1.37
14	B	1216	CLA	MG-ND	-2.84	2.00	2.05
14	B	1235	CLA	C1C-NC	-2.84	1.33	1.37
14	B	1217	CLA	C1B-C2B	2.83	1.49	1.43
14	B	1022	CLA	C4D-CHA	2.83	1.48	1.38
14	B	1213	CLA	MG-ND	-2.83	2.00	2.05
14	b	1021	CLA	C4B-NB	-2.83	1.34	1.37
14	b	1217	CLA	C1B-C2B	2.83	1.49	1.43
14	B	1217	CLA	C1B-NB	-2.83	1.34	1.37
14	G	1123	CLA	C3D-C2D	2.83	1.46	1.39
14	G	1124	CLA	C3D-C2D	2.83	1.46	1.39
14	A	1012	CLA	MG-NC	2.83	2.13	2.06
14	B	1235	CLA	MG-ND	-2.83	2.00	2.05
14	a	1126	CLA	CHB-C1B	2.83	1.45	1.39
14	G	1127	CLA	C1C-NC	-2.83	1.33	1.37
14	a	1131	CLA	MG-NC	2.83	2.13	2.06
14	a	1107	CLA	C3D-C2D	2.83	1.46	1.39
14	H	1216	CLA	MG-ND	-2.83	2.00	2.05
14	k	1401	CLA	C3D-C2D	2.83	1.46	1.39
14	a	1113	CLA	C1B-NB	-2.83	1.34	1.37
14	A	1106	CLA	MG-ND	-2.83	2.00	2.05
14	b	1232	CLA	MG-ND	-2.83	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1123	CLA	C3D-C2D	2.83	1.46	1.39
14	G	1140	CLA	C1C-NC	-2.83	1.33	1.37
14	b	1220	CLA	C4D-CHA	2.83	1.48	1.38
14	a	1127	CLA	C1C-NC	-2.83	1.33	1.37
14	H	1022	CLA	C4D-CHA	2.83	1.48	1.38
14	b	1227	CLA	C1C-NC	-2.83	1.33	1.37
21	a	6001	LMT	O3'-C3'	-2.83	1.36	1.43
14	G	1105	CLA	C3D-C2D	2.83	1.46	1.39
14	B	1208	CLA	MG-ND	-2.83	2.00	2.05
14	b	1213	CLA	MG-ND	-2.83	2.00	2.05
14	m	1501	CLA	C4D-CHA	2.83	1.48	1.38
14	a	1112	CLA	MG-NC	2.83	2.13	2.06
14	H	1213	CLA	MG-ND	-2.83	2.00	2.05
14	a	1120	CLA	MG-ND	-2.83	2.00	2.05
15	b	1230	F6C	C3B-C2B	2.83	1.46	1.39
14	a	1111	CLA	C1C-NC	-2.83	1.33	1.37
14	G	1012	CLA	MG-NC	2.83	2.13	2.06
14	a	1115	CLA	MG-NC	2.83	2.13	2.06
14	a	1127	CLA	MG-NC	2.83	2.13	2.06
14	b	1240	CLA	C1D-ND	-2.83	1.34	1.37
14	T	1401	CLA	C3D-C2D	2.83	1.46	1.39
14	a	1131	CLA	C1C-NC	-2.83	1.33	1.37
15	B	1207	F6C	C1D-ND	-2.83	1.33	1.37
14	L	1503	CLA	MG-NC	2.83	2.13	2.06
14	G	1113	CLA	C1D-ND	-2.83	1.34	1.37
14	a	1113	CLA	C4B-NB	-2.83	1.34	1.37
14	A	1115	CLA	MG-NC	2.82	2.13	2.06
14	B	1215	CLA	C4B-NB	-2.82	1.34	1.37
14	a	1124	CLA	MG-ND	-2.82	2.00	2.05
14	H	1223	CLA	C3D-C2D	2.82	1.46	1.39
14	H	1213	CLA	MG-NC	2.82	2.13	2.06
15	B	1238	F6C	C4C-NC	-2.82	1.34	1.37
14	A	1013	CLA	CHB-C1B	2.82	1.45	1.39
14	a	1101	CLA	C1D-ND	-2.82	1.34	1.37
14	b	1224	CLA	C3D-C2D	2.82	1.46	1.39
15	B	1207	F6C	C1A-C2A	2.82	1.51	1.45
14	M	1501	CLA	C4D-CHA	2.82	1.48	1.38
14	b	1239	CLA	C3D-C2D	2.82	1.46	1.39
14	b	1233	CLA	C1D-ND	-2.82	1.34	1.37
14	A	1105	CLA	C3D-C2D	2.82	1.46	1.39
14	b	1235	CLA	C1C-NC	-2.82	1.33	1.37
14	A	1139	CLA	C1D-ND	-2.82	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1240	CLA	C1D-ND	-2.82	1.34	1.37
14	B	1232	CLA	C3D-C2D	2.82	1.46	1.39
14	a	1106	CLA	C3D-C2D	2.82	1.46	1.39
14	G	1129	CLA	OBD-CAD	2.82	1.27	1.22
14	G	1139	CLA	C1D-ND	-2.82	1.34	1.37
14	H	1233	CLA	C4D-CHA	2.82	1.48	1.38
14	H	1227	CLA	C1C-NC	-2.82	1.33	1.37
14	G	1109	CLA	MG-NC	2.82	2.13	2.06
14	H	1224	CLA	C3D-C2D	2.82	1.46	1.39
14	G	1013	CLA	CHB-C1B	2.82	1.45	1.39
14	b	1022	CLA	C4D-CHA	2.82	1.48	1.38
14	G	1130	CLA	C1C-NC	-2.82	1.33	1.37
14	H	1234	CLA	C3D-C2D	2.82	1.46	1.39
14	a	1139	CLA	C1D-ND	-2.82	1.34	1.37
14	B	1223	CLA	C3D-C2D	2.82	1.46	1.39
15	B	1230	F6C	C3B-C2B	2.82	1.46	1.39
14	H	1226	CLA	C4D-CHA	2.82	1.48	1.38
14	G	1117	CLA	C3D-C2D	2.82	1.46	1.39
14	T	1401	CLA	C1B-C2B	2.82	1.49	1.43
14	B	1233	CLA	C4D-CHA	2.82	1.48	1.38
14	H	1222	CLA	C4D-CHA	2.82	1.48	1.38
14	a	1013	CLA	CHB-C1B	2.82	1.45	1.39
14	G	1133	CLA	C4D-CHA	2.82	1.48	1.38
14	B	1240	CLA	C1B-NB	-2.82	1.34	1.37
14	a	1105	CLA	C3D-C2D	2.82	1.46	1.39
14	a	1106	CLA	C4B-NB	-2.82	1.34	1.37
14	B	1239	CLA	C3D-C2D	2.82	1.46	1.39
14	A	1112	CLA	MG-NC	2.82	2.13	2.06
21	A	6001	LMT	O3'-C3'	-2.82	1.36	1.43
14	A	1117	CLA	C3D-C2D	2.82	1.46	1.39
14	A	1123	CLA	C4B-NB	-2.82	1.34	1.37
14	H	1240	CLA	C1D-ND	-2.82	1.34	1.37
14	A	1127	CLA	MG-NC	2.82	2.13	2.06
14	B	1224	CLA	C3D-C2D	2.82	1.46	1.39
14	G	1108	CLA	C1C-NC	-2.82	1.33	1.37
14	H	1235	CLA	C4B-NB	-2.82	1.34	1.37
14	a	1113	CLA	C1D-ND	-2.82	1.34	1.37
15	b	1207	F6C	C1D-ND	-2.81	1.33	1.37
14	K	1401	CLA	C1B-C2B	2.81	1.49	1.43
14	a	1140	CLA	C1C-NC	-2.81	1.33	1.37
21	G	6001	LMT	O3'-C3'	-2.81	1.36	1.43
14	H	1232	CLA	C3D-C2D	2.81	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1215	CLA	C4D-CHA	2.81	1.48	1.38
14	G	1127	CLA	MG-NC	2.81	2.13	2.06
14	H	1239	CLA	C3D-C2D	2.81	1.46	1.39
14	a	1129	CLA	OBD-CAD	2.81	1.27	1.22
14	b	1226	CLA	C4D-CHA	2.81	1.48	1.38
14	A	1129	CLA	OBD-CAD	2.81	1.27	1.22
14	B	1206	CLA	C4D-CHA	2.81	1.48	1.38
14	A	1127	CLA	C4D-CHA	2.81	1.48	1.38
14	A	1103	CLA	C3D-C2D	2.81	1.46	1.39
14	G	1134	CLA	C3D-C2D	2.81	1.46	1.39
14	B	1211	CLA	C1B-NB	-2.81	1.34	1.37
14	a	1120	CLA	C4B-NB	-2.81	1.34	1.37
14	b	1233	CLA	C4D-CHA	2.81	1.48	1.38
14	H	1208	CLA	MG-ND	-2.81	2.00	2.05
14	b	1217	CLA	C1B-NB	-2.81	1.34	1.37
14	H	1211	CLA	MG-ND	-2.81	2.00	2.05
14	H	1215	CLA	C4D-CHA	2.81	1.48	1.38
14	V	1501	CLA	C4D-CHA	2.81	1.48	1.38
14	a	1136	CLA	C4D-CHA	2.81	1.48	1.38
14	b	1222	CLA	C4D-CHA	2.81	1.48	1.38
14	G	1112	CLA	MG-NC	2.81	2.12	2.06
14	A	1134	CLA	C1C-NC	-2.81	1.33	1.37
14	A	1120	CLA	MG-ND	-2.81	2.00	2.05
14	H	1208	CLA	C4D-CHA	2.81	1.48	1.38
14	H	1217	CLA	C1B-C2B	2.81	1.49	1.43
14	a	1103	CLA	C3D-C2D	2.81	1.46	1.39
14	H	1209	CLA	C1B-NB	-2.81	1.34	1.37
14	B	1213	CLA	MG-NC	2.81	2.12	2.06
14	G	1134	CLA	MG-ND	-2.81	2.00	2.05
14	a	1109	CLA	MG-NC	2.81	2.12	2.06
14	a	1139	CLA	C1B-NB	-2.81	1.34	1.37
15	H	1238	F6C	C4C-NC	-2.81	1.34	1.37
15	a	1121	F6C	C3B-C2B	2.80	1.46	1.39
14	A	1111	CLA	MG-ND	-2.80	2.00	2.05
14	B	1234	CLA	C3D-C2D	2.80	1.46	1.39
14	G	1114	CLA	MG-ND	-2.80	2.00	2.05
14	a	1012	CLA	MG-NC	2.80	2.12	2.06
14	a	1134	CLA	C4D-CHA	2.80	1.48	1.38
14	H	1206	CLA	C4D-CHA	2.80	1.48	1.38
14	b	1215	CLA	C4D-CHA	2.80	1.48	1.38
14	b	1201	CLA	MG-ND	-2.80	2.00	2.05
14	b	1210	CLA	MG-ND	-2.80	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1222	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1106	CLA	C4B-NB	-2.80	1.34	1.37
14	G	1113	CLA	C1B-NB	-2.80	1.34	1.37
14	G	1123	CLA	C4B-NB	-2.80	1.34	1.37
15	H	1207	F6C	MG-ND	-2.80	1.99	2.06
14	B	1208	CLA	C4D-CHA	2.80	1.48	1.38
15	H	1207	F6C	C1D-ND	-2.80	1.33	1.37
14	a	1110	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1127	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1109	CLA	C1D-ND	-2.80	1.34	1.37
14	a	1133	CLA	C4D-CHA	2.80	1.48	1.38
14	b	1206	CLA	C4D-CHA	2.80	1.48	1.38
14	a	1127	CLA	C4D-CHA	2.80	1.48	1.38
14	U	1502	CLA	C4B-NB	-2.80	1.34	1.37
14	A	1109	CLA	C1C-NC	-2.80	1.33	1.37
14	G	1134	CLA	C1C-NC	-2.80	1.33	1.37
14	A	1133	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1123	CLA	C4D-CHA	2.80	1.48	1.38
14	l	1503	CLA	MG-NC	2.80	2.12	2.06
14	A	1114	CLA	MG-ND	-2.80	2.00	2.05
14	a	1111	CLA	MG-ND	-2.80	2.00	2.05
14	G	1104	CLA	C1C-NC	-2.80	1.33	1.37
14	H	1235	CLA	MG-ND	-2.80	2.00	2.05
14	b	1209	CLA	C1B-NB	-2.80	1.34	1.37
14	b	1208	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1139	CLA	C1B-NB	-2.80	1.34	1.37
14	b	1211	CLA	C1B-NB	-2.80	1.34	1.37
14	G	1111	CLA	MG-ND	-2.80	2.00	2.05
14	a	1112	CLA	MG-ND	-2.80	2.00	2.05
14	G	1105	CLA	C4D-CHA	2.80	1.48	1.38
14	B	1211	CLA	MG-ND	-2.80	2.00	2.05
14	B	1218	CLA	MG-ND	-2.80	2.00	2.05
14	G	1110	CLA	C4D-CHA	2.80	1.48	1.38
14	A	1134	CLA	C3D-C2D	2.80	1.46	1.39
14	A	1136	CLA	C4D-CHA	2.80	1.48	1.38
14	G	1137	CLA	C3D-C2D	2.80	1.46	1.39
14	G	1106	CLA	C4D-CHA	2.80	1.48	1.38
14	B	1210	CLA	MG-ND	-2.80	2.00	2.05
14	G	1111	CLA	C1C-NC	-2.79	1.33	1.37
14	a	1109	CLA	C1C-NC	-2.79	1.33	1.37
14	A	1134	CLA	C4D-CHA	2.79	1.48	1.38
14	G	1124	CLA	MG-NC	2.79	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1106	CLA	C4B-NB	-2.79	1.34	1.37
14	B	1209	CLA	C1B-NB	-2.79	1.34	1.37
14	B	1214	CLA	C4D-CHA	2.79	1.48	1.38
14	A	1124	CLA	MG-NC	2.79	2.12	2.06
14	b	1227	CLA	MG-NC	2.79	2.12	2.06
14	A	1109	CLA	MG-NC	2.79	2.12	2.06
14	A	1119	CLA	C1C-NC	-2.79	1.33	1.37
14	b	1214	CLA	C4D-CHA	2.79	1.48	1.38
14	G	1103	CLA	C3D-C2D	2.79	1.46	1.39
14	a	1107	CLA	MG-NC	2.79	2.12	2.06
14	a	1134	CLA	C3D-C2D	2.79	1.46	1.39
14	H	1218	CLA	MG-ND	-2.79	2.00	2.05
14	a	1101	CLA	MG-ND	-2.79	2.00	2.05
14	a	1117	CLA	C3D-C2D	2.79	1.46	1.39
14	H	1217	CLA	C1B-NB	-2.79	1.34	1.37
14	a	1137	CLA	C3D-C2D	2.79	1.46	1.39
14	G	1136	CLA	C4D-CHA	2.79	1.48	1.38
14	b	1223	CLA	C3D-C2D	2.79	1.46	1.39
14	a	1105	CLA	C4D-CHA	2.79	1.48	1.38
14	A	1113	CLA	C1B-NB	-2.79	1.34	1.37
14	G	1101	CLA	C3D-C2D	2.79	1.46	1.39
15	B	1207	F6C	C4C-NC	-2.79	1.34	1.37
21	a	6002	LMT	O3'-C3'	-2.79	1.36	1.43
14	G	1101	CLA	MG-ND	-2.79	2.00	2.05
14	G	1139	CLA	MG-ND	-2.79	2.00	2.05
14	a	1106	CLA	C4D-CHA	2.79	1.47	1.38
14	A	1101	CLA	C3D-C2D	2.79	1.46	1.39
14	A	1106	CLA	C4D-CHA	2.78	1.47	1.38
14	G	1134	CLA	C4D-CHA	2.78	1.47	1.38
14	H	1205	CLA	C4B-NB	-2.78	1.34	1.37
14	H	1231	CLA	C1B-NB	-2.78	1.34	1.37
15	B	1207	F6C	MG-ND	-2.78	1.99	2.06
14	B	1210	CLA	MG-NC	2.78	2.12	2.06
14	G	1120	CLA	MG-ND	-2.78	2.00	2.05
14	A	1111	CLA	C1C-NC	-2.78	1.33	1.37
14	A	1126	CLA	C4D-CHA	2.78	1.47	1.38
14	A	1123	CLA	C4D-CHA	2.78	1.47	1.38
14	A	1110	CLA	C4D-CHA	2.78	1.47	1.38
14	L	1502	CLA	C4B-NB	-2.78	1.34	1.37
14	b	1210	CLA	C4B-NB	-2.78	1.34	1.37
15	b	1207	F6C	C4C-NC	-2.78	1.34	1.37
21	G	6002	LMT	O4'-C4B	-2.78	1.36	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	G	6002	LMT	O3'-C3'	-2.78	1.36	1.43
14	a	1126	CLA	C4D-CHA	2.78	1.47	1.38
14	H	1220	CLA	C1C-NC	-2.78	1.33	1.37
14	H	1227	CLA	MG-NC	2.78	2.12	2.06
14	A	1137	CLA	C3D-C2D	2.78	1.46	1.39
14	H	1211	CLA	C1B-NB	-2.78	1.34	1.37
14	B	1227	CLA	MG-NC	2.78	2.12	2.06
14	B	1213	CLA	C4D-CHA	2.78	1.47	1.38
14	A	1108	CLA	C1C-NC	-2.78	1.33	1.37
14	B	1235	CLA	C4B-NB	-2.78	1.34	1.37
14	A	1112	CLA	MG-ND	-2.78	2.00	2.05
14	b	1213	CLA	MG-NC	2.78	2.12	2.06
14	A	1105	CLA	C4D-CHA	2.78	1.47	1.38
21	A	6002	LMT	O4'-C4B	-2.78	1.36	1.43
14	A	1109	CLA	C1D-ND	-2.78	1.34	1.37
14	H	1210	CLA	MG-ND	-2.78	2.00	2.05
14	H	1214	CLA	C4D-CHA	2.78	1.47	1.38
14	G	1126	CLA	C4D-CHA	2.78	1.47	1.38
14	a	1123	CLA	C4D-CHA	2.78	1.47	1.38
14	b	1208	CLA	MG-ND	-2.78	2.00	2.05
15	b	1207	F6C	MG-ND	-2.78	1.99	2.06
14	b	1213	CLA	C4D-CHA	2.78	1.47	1.38
14	H	1233	CLA	C1B-NB	-2.78	1.34	1.37
14	b	1234	CLA	C3D-C2D	2.78	1.46	1.39
14	a	1101	CLA	C3D-C2D	2.77	1.46	1.39
14	a	1132	CLA	C4D-CHA	2.77	1.47	1.38
14	a	1124	CLA	MG-NC	2.77	2.12	2.06
14	A	1139	CLA	C1B-NB	-2.77	1.34	1.37
15	A	1121	F6C	C3B-C2B	2.77	1.45	1.39
14	H	1228	CLA	C4D-CHA	2.77	1.47	1.38
14	A	1104	CLA	C1C-NC	-2.77	1.33	1.37
21	A	6002	LMT	O3'-C3'	-2.77	1.36	1.43
14	H	1229	CLA	C4B-NB	-2.77	1.34	1.37
21	l	6002	LMT	O2B-C2B	-2.77	1.36	1.43
14	b	1211	CLA	C1C-NC	-2.77	1.33	1.37
14	B	1201	CLA	MG-ND	-2.77	2.00	2.05
14	A	1120	CLA	C4B-NB	-2.77	1.34	1.37
14	G	1119	CLA	C1C-NC	-2.77	1.33	1.37
14	b	1228	CLA	C4D-CHA	2.77	1.47	1.38
14	G	1120	CLA	C4B-NB	-2.77	1.34	1.37
14	B	1227	CLA	C1C-NC	-2.77	1.33	1.37
14	b	1226	CLA	C4B-NB	-2.77	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1109	CLA	C1C-NC	-2.77	1.33	1.37
14	A	1101	CLA	MG-ND	-2.77	2.00	2.05
14	B	1220	CLA	C1C-NC	-2.77	1.33	1.37
14	a	1119	CLA	C1C-NC	-2.77	1.33	1.37
14	A	1134	CLA	MG-ND	-2.77	2.00	2.05
14	B	1231	CLA	C1B-NB	-2.77	1.34	1.37
14	b	1220	CLA	C1C-NC	-2.77	1.33	1.37
14	U	1501	CLA	C3D-C2D	2.77	1.46	1.39
14	b	1218	CLA	MG-ND	-2.77	2.00	2.05
14	L	1501	CLA	C3D-C2D	2.77	1.46	1.39
14	l	1501	CLA	C3D-C2D	2.77	1.46	1.39
14	B	1228	CLA	C4D-CHA	2.77	1.47	1.38
14	H	1210	CLA	C4D-CHA	2.77	1.47	1.38
13	G	1011	CL0	C4B-NB	-2.77	1.34	1.37
15	a	1121	F6C	C3C-C2C	2.76	1.46	1.38
21	L	6002	LMT	O2B-C2B	-2.76	1.36	1.43
14	b	1229	CLA	C4B-NB	-2.76	1.34	1.37
21	a	6002	LMT	O4'-C4B	-2.76	1.36	1.43
14	a	1134	CLA	MG-ND	-2.76	2.00	2.05
14	b	1239	CLA	C4D-CHA	2.76	1.47	1.38
14	H	1213	CLA	C1C-NC	-2.76	1.33	1.37
14	B	1220	CLA	C4B-NB	-2.76	1.34	1.37
14	A	1107	CLA	MG-NC	2.76	2.12	2.06
14	B	1211	CLA	C1C-NC	-2.76	1.33	1.37
14	B	1233	CLA	C1B-NB	-2.76	1.34	1.37
14	a	1104	CLA	C1C-NC	-2.76	1.33	1.37
14	B	1229	CLA	C4B-NB	-2.76	1.34	1.37
14	b	1220	CLA	C4B-NB	-2.76	1.34	1.37
14	G	1110	CLA	MG-NC	2.76	2.12	2.06
14	B	1205	CLA	C4B-NB	-2.76	1.34	1.37
15	A	1121	F6C	C3C-C2C	2.76	1.46	1.38
14	H	1226	CLA	C4B-NB	-2.76	1.34	1.37
14	B	1205	CLA	C4D-CHA	2.76	1.47	1.38
14	a	1139	CLA	MG-ND	-2.76	2.00	2.05
14	b	1210	CLA	C4D-CHA	2.76	1.47	1.38
13	A	1011	CL0	MG-NC	2.76	2.12	2.06
14	G	1107	CLA	MG-NC	2.76	2.12	2.06
14	k	1401	CLA	MG-ND	-2.76	2.00	2.05
14	b	1210	CLA	MG-NC	2.76	2.12	2.06
14	B	1210	CLA	C4D-CHA	2.76	1.47	1.38
14	H	1213	CLA	C4D-CHA	2.76	1.47	1.38
14	b	1211	CLA	MG-ND	-2.76	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1226	CLA	C4B-NB	-2.76	1.34	1.37
14	H	1240	CLA	C1B-NB	-2.76	1.34	1.37
14	H	1235	CLA	MG-NC	2.75	2.12	2.06
14	a	1110	CLA	MG-NC	2.75	2.12	2.06
14	b	1206	CLA	C4B-NB	-2.75	1.34	1.37
13	a	1011	CL0	MG-NC	2.75	2.12	2.06
14	B	1239	CLA	C4D-CHA	2.75	1.47	1.38
13	G	1011	CL0	MG-NC	2.75	2.12	2.06
14	K	1401	CLA	C4D-CHA	2.75	1.47	1.38
14	G	1120	CLA	C4D-CHA	2.75	1.47	1.38
14	T	1401	CLA	C4D-CHA	2.75	1.47	1.38
14	K	1401	CLA	MG-ND	-2.75	2.00	2.05
14	a	1115	CLA	C1C-NC	-2.75	1.33	1.37
14	b	1213	CLA	C4B-NB	-2.75	1.34	1.37
14	H	1203	CLA	C3D-C2D	2.75	1.46	1.39
14	G	1105	CLA	MG-ND	-2.75	2.00	2.05
14	a	1109	CLA	C1D-ND	-2.75	1.34	1.37
14	A	1132	CLA	C4D-CHA	2.75	1.47	1.38
14	a	1110	CLA	C1C-NC	-2.75	1.33	1.37
14	A	1105	CLA	MG-ND	-2.75	2.00	2.05
14	A	1110	CLA	MG-NC	2.75	2.12	2.06
14	G	1132	CLA	C4D-CHA	2.75	1.47	1.38
14	A	1120	CLA	C4D-CHA	2.75	1.47	1.38
14	b	1205	CLA	C4D-CHA	2.75	1.47	1.38
13	A	1011	CL0	C4B-NB	-2.75	1.34	1.37
14	G	1110	CLA	C1C-NC	-2.75	1.33	1.37
15	G	1121	F6C	C3B-C2B	2.75	1.45	1.39
14	a	1108	CLA	C1C-NC	-2.75	1.33	1.37
14	G	1123	CLA	C1C-NC	-2.75	1.33	1.37
14	b	1220	CLA	C1B-C2B	2.75	1.49	1.43
14	b	1235	CLA	MG-NC	2.75	2.12	2.06
14	b	1235	CLA	C4B-NB	-2.75	1.34	1.37
14	a	1115	CLA	C4D-CHA	2.75	1.47	1.38
14	b	1209	CLA	C4D-CHA	2.75	1.47	1.38
14	b	1231	CLA	C3D-C2D	2.75	1.46	1.39
14	G	1112	CLA	MG-ND	-2.75	2.00	2.05
14	T	1401	CLA	MG-ND	-2.75	2.00	2.05
14	k	1401	CLA	C4D-CHA	2.75	1.47	1.38
15	B	1237	F6C	C4B-NB	-2.75	1.33	1.37
14	H	1210	CLA	MG-NC	2.74	2.12	2.06
14	G	1124	CLA	C4D-CHA	2.74	1.47	1.38
14	G	1119	CLA	C4D-CHA	2.74	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	H	1238	F6C	C4B-NB	-2.74	1.33	1.37
14	B	1235	CLA	MG-NC	2.74	2.12	2.06
14	B	1209	CLA	C4D-CHA	2.74	1.47	1.38
14	A	1139	CLA	MG-ND	-2.74	2.00	2.05
15	a	1121	F6C	C1D-ND	-2.74	1.33	1.37
14	a	1120	CLA	C4D-CHA	2.74	1.47	1.38
14	H	1239	CLA	C4D-CHA	2.74	1.47	1.38
15	A	1121	F6C	C1D-ND	-2.74	1.33	1.37
14	B	1203	CLA	C4D-CHA	2.74	1.47	1.38
14	a	1117	CLA	C4D-CHA	2.74	1.47	1.38
14	B	1225	CLA	C3D-C2D	2.74	1.46	1.39
14	H	1225	CLA	MG-NC	2.74	2.12	2.06
14	a	1125	CLA	C4D-CHA	2.74	1.47	1.38
15	G	1121	F6C	C3C-C2C	2.74	1.46	1.38
14	B	1206	CLA	C4B-NB	-2.74	1.34	1.37
14	a	1105	CLA	MG-ND	-2.74	2.00	2.05
21	U	6002	LMT	O2B-C2B	-2.74	1.36	1.43
14	G	1103	CLA	C4B-NB	-2.74	1.34	1.37
14	l	1502	CLA	C4B-NB	-2.74	1.34	1.37
15	G	1121	F6C	C1D-ND	-2.74	1.33	1.37
14	H	1205	CLA	C4D-CHA	2.74	1.47	1.38
14	H	1220	CLA	C1B-C2B	2.74	1.49	1.43
14	b	1227	CLA	C4B-NB	-2.74	1.34	1.37
14	b	1225	CLA	MG-NC	2.74	2.12	2.06
14	B	1227	CLA	C4B-NB	-2.74	1.34	1.37
14	A	1124	CLA	C4D-CHA	2.74	1.47	1.38
14	A	1107	CLA	C4D-CHA	2.74	1.47	1.38
14	H	1239	CLA	MG-NC	2.74	2.12	2.06
21	U	6002	LMT	O3'-C3'	-2.74	1.36	1.43
14	a	1124	CLA	C4D-CHA	2.74	1.47	1.38
14	B	1203	CLA	C3D-C2D	2.74	1.46	1.39
14	G	1125	CLA	C4D-CHA	2.74	1.47	1.38
14	H	1220	CLA	C4B-NB	-2.74	1.34	1.37
14	A	1115	CLA	C1C-NC	-2.74	1.33	1.37
14	B	1225	CLA	MG-NC	2.73	2.12	2.06
14	b	1231	CLA	C1B-NB	-2.73	1.34	1.37
14	A	1117	CLA	C4D-CHA	2.73	1.47	1.38
14	b	1233	CLA	C1C-NC	-2.73	1.33	1.37
14	a	1107	CLA	C4D-CHA	2.73	1.47	1.38
14	G	1137	CLA	MG-NC	2.73	2.12	2.06
14	B	1220	CLA	C1B-C2B	2.73	1.49	1.43
14	G	1115	CLA	C1C-NC	-2.73	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1224	CLA	MG-NC	2.73	2.12	2.06
14	a	1119	CLA	C4D-CHA	2.73	1.47	1.38
14	A	1132	CLA	MG-NC	2.73	2.12	2.06
14	A	1123	CLA	C1C-NC	-2.73	1.33	1.37
14	G	1102	CLA	C1B-NB	-2.73	1.34	1.37
14	G	1118	CLA	C1B-C2B	2.73	1.49	1.43
14	b	1225	CLA	C3D-C2D	2.73	1.46	1.39
14	A	1103	CLA	C4B-NB	-2.73	1.34	1.37
14	b	1201	CLA	C4D-CHA	2.73	1.47	1.38
15	H	1219	F6C	C1D-C2D	2.73	1.50	1.44
14	a	1118	CLA	C1B-C2B	2.73	1.49	1.43
15	H	1207	F6C	C4C-NC	-2.73	1.34	1.37
21	m	6000	LMT	O3'-C3'	-2.73	1.36	1.43
14	A	1113	CLA	C4D-CHA	2.73	1.47	1.38
14	B	1210	CLA	C4B-NB	-2.73	1.34	1.37
14	a	1136	CLA	MG-NC	2.73	2.12	2.06
14	b	1203	CLA	C4D-CHA	2.73	1.47	1.38
14	H	1202	CLA	C3D-C2D	2.73	1.46	1.39
14	H	1231	CLA	C3D-C2D	2.73	1.46	1.39
14	G	1117	CLA	C4D-CHA	2.73	1.47	1.38
14	a	1102	CLA	C1B-NB	-2.73	1.34	1.37
14	H	1209	CLA	C4D-CHA	2.73	1.47	1.38
14	b	1233	CLA	MG-ND	-2.72	2.00	2.05
21	M	6000	LMT	O3'-C3'	-2.72	1.36	1.43
14	H	1206	CLA	C4B-NB	-2.72	1.34	1.37
14	A	1119	CLA	C4D-CHA	2.72	1.47	1.38
14	G	1113	CLA	C4D-CHA	2.72	1.47	1.38
14	b	1233	CLA	C1B-NB	-2.72	1.34	1.37
14	G	1108	CLA	C4D-CHA	2.72	1.47	1.38
14	b	1225	CLA	C4D-CHA	2.72	1.47	1.38
14	a	1103	CLA	C4B-NB	-2.72	1.34	1.37
14	A	1118	CLA	C1B-C2B	2.72	1.49	1.43
14	G	1141	CLA	C1B-C2B	2.72	1.49	1.43
14	A	1108	CLA	C4D-CHA	2.72	1.47	1.38
14	H	1225	CLA	C3D-C2D	2.72	1.46	1.39
21	V	6000	LMT	O3'-C3'	-2.72	1.36	1.43
14	H	1211	CLA	C1C-NC	-2.72	1.33	1.37
14	B	1227	CLA	C4D-CHA	2.72	1.47	1.38
14	a	1129	CLA	C4D-CHA	2.72	1.47	1.38
14	B	1202	CLA	C3D-C2D	2.72	1.46	1.39
14	G	1136	CLA	MG-NC	2.72	2.12	2.06
14	H	1229	CLA	C4D-CHA	2.72	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1213	CLA	C1C-NC	-2.72	1.33	1.37
15	b	1237	F6C	C4B-NB	-2.72	1.33	1.37
14	B	1231	CLA	C3D-C2D	2.72	1.46	1.39
14	H	1227	CLA	C4D-CHA	2.72	1.47	1.38
14	H	1201	CLA	MG-ND	-2.72	2.00	2.05
14	b	1218	CLA	C1C-NC	-2.72	1.33	1.37
14	a	1104	CLA	MG-ND	-2.72	2.00	2.05
21	L	6002	LMT	O3'-C3'	-2.72	1.36	1.43
14	a	1137	CLA	C4D-CHA	2.72	1.47	1.38
14	G	1101	CLA	C1B-C2B	2.72	1.49	1.43
14	G	1107	CLA	C4D-CHA	2.72	1.47	1.38
14	H	1201	CLA	C4D-CHA	2.72	1.47	1.38
14	A	1107	CLA	C1C-NC	-2.72	1.33	1.37
14	b	1203	CLA	C3D-C2D	2.72	1.46	1.39
14	H	1203	CLA	C4D-CHA	2.72	1.47	1.38
14	b	1218	CLA	C4B-NB	-2.72	1.34	1.37
14	b	1224	CLA	MG-NC	2.72	2.12	2.06
14	B	1233	CLA	C1C-NC	-2.72	1.33	1.37
15	B	1219	F6C	C1D-C2D	2.72	1.50	1.44
14	B	1229	CLA	C4D-CHA	2.72	1.47	1.38
14	G	1141	CLA	C1B-NB	-2.72	1.34	1.37
14	H	1227	CLA	C4B-NB	-2.72	1.34	1.37
14	A	1129	CLA	C4D-CHA	2.72	1.47	1.38
14	B	1201	CLA	C4D-CHA	2.72	1.47	1.38
14	G	1129	CLA	C4D-CHA	2.71	1.47	1.38
14	A	1125	CLA	C4D-CHA	2.71	1.47	1.38
14	b	1231	CLA	MG-NC	2.71	2.12	2.06
14	G	1141	CLA	MG-ND	-2.71	2.00	2.05
14	A	1115	CLA	C4D-CHA	2.71	1.47	1.38
14	A	1137	CLA	MG-NC	2.71	2.12	2.06
14	a	1138	CLA	MG-NC	2.71	2.12	2.06
14	A	1104	CLA	MG-ND	-2.71	2.00	2.05
15	B	1238	F6C	C3D-C2D	2.71	1.46	1.39
14	G	1104	CLA	MG-ND	-2.71	2.00	2.05
14	b	1227	CLA	C4D-CHA	2.71	1.47	1.38
14	a	1113	CLA	C4D-CHA	2.71	1.47	1.38
15	H	1238	F6C	C3D-C2D	2.71	1.46	1.39
13	a	1011	CL0	C4B-NB	-2.71	1.34	1.37
14	B	1213	CLA	C4B-NB	-2.71	1.34	1.37
14	H	1222	CLA	MG-ND	-2.71	2.00	2.05
15	b	1219	F6C	C1D-C2D	2.71	1.50	1.44
14	G	1138	CLA	MG-NC	2.71	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1136	CLA	MG-NC	2.71	2.12	2.06
14	H	1208	CLA	MG-NC	2.71	2.12	2.06
15	A	1121	F6C	C1A-C2A	2.71	1.51	1.45
14	G	1115	CLA	C4D-CHA	2.71	1.47	1.38
14	b	1216	CLA	C4B-NB	-2.71	1.34	1.37
15	H	1237	F6C	C4B-NB	-2.71	1.33	1.37
14	B	1231	CLA	MG-NC	2.71	2.12	2.06
15	b	1238	F6C	C4B-NB	-2.71	1.33	1.37
21	l	6002	LMT	O3'-C3'	-2.71	1.36	1.43
14	a	1107	CLA	C1C-NC	-2.70	1.33	1.37
14	B	1216	CLA	C4D-CHA	2.70	1.47	1.38
14	A	1138	CLA	MG-NC	2.70	2.12	2.06
14	B	1224	CLA	MG-NC	2.70	2.12	2.06
14	a	1107	CLA	C1B-C2B	2.70	1.49	1.43
14	A	1106	CLA	MG-NC	2.70	2.12	2.06
14	B	1208	CLA	MG-NC	2.70	2.12	2.06
14	A	1141	CLA	MG-ND	-2.70	2.00	2.05
14	K	1401	CLA	C1B-NB	-2.70	1.34	1.37
14	a	1108	CLA	C4D-CHA	2.70	1.47	1.38
14	B	1218	CLA	C4D-CHA	2.70	1.47	1.38
14	A	1110	CLA	C1C-NC	-2.70	1.33	1.37
14	A	1137	CLA	C4D-CHA	2.70	1.47	1.38
14	B	1225	CLA	C4D-CHA	2.70	1.47	1.38
14	b	1211	CLA	C4D-CHA	2.70	1.47	1.38
14	A	1130	CLA	C4D-CHA	2.70	1.47	1.38
14	B	1239	CLA	MG-NC	2.70	2.12	2.06
14	a	1123	CLA	C1C-NC	-2.70	1.33	1.37
15	G	1121	F6C	C1A-C2A	2.70	1.51	1.45
14	b	1231	CLA	C4D-CHA	2.70	1.47	1.38
14	b	1234	CLA	C4D-CHA	2.70	1.47	1.38
14	A	1101	CLA	C1B-C2B	2.70	1.49	1.43
14	b	1216	CLA	C4D-CHA	2.70	1.47	1.38
14	a	1106	CLA	C1B-C2B	2.70	1.49	1.43
14	G	1130	CLA	C4D-CHA	2.70	1.47	1.38
14	H	1225	CLA	C4D-CHA	2.70	1.47	1.38
14	G	1132	CLA	MG-NC	2.70	2.12	2.06
14	a	1106	CLA	MG-NC	2.70	2.12	2.06
14	a	1101	CLA	C1B-C2B	2.70	1.49	1.43
14	B	1231	CLA	C4D-CHA	2.70	1.47	1.38
14	b	1222	CLA	MG-ND	-2.70	2.00	2.05
14	B	1211	CLA	C4D-CHA	2.70	1.47	1.38
14	a	1130	CLA	C4D-CHA	2.70	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1021	CLA	C4D-CHA	2.70	1.47	1.38
14	A	1110	CLA	C4B-NB	-2.69	1.34	1.37
14	H	1231	CLA	MG-NC	2.69	2.12	2.06
15	B	1238	F6C	C4B-NB	-2.69	1.33	1.37
14	b	1218	CLA	C4D-CHA	2.69	1.47	1.38
14	H	1218	CLA	C4D-CHA	2.69	1.47	1.38
14	a	1104	CLA	C3D-C2D	2.69	1.46	1.39
14	A	1102	CLA	C1B-NB	-2.69	1.34	1.37
14	b	1205	CLA	C4B-NB	-2.69	1.34	1.37
15	H	1207	F6C	C3C-C2C	2.69	1.45	1.38
14	H	1211	CLA	C4D-CHA	2.69	1.47	1.38
14	a	1132	CLA	MG-NC	2.69	2.12	2.06
14	A	1104	CLA	C3D-C2D	2.69	1.46	1.39
14	H	1021	CLA	C4D-CHA	2.69	1.47	1.38
14	B	1233	CLA	MG-ND	-2.69	2.00	2.05
14	b	1229	CLA	C4D-CHA	2.69	1.47	1.38
14	b	1202	CLA	C3D-C2D	2.69	1.46	1.39
15	b	1238	F6C	C3D-C2D	2.69	1.46	1.39
14	H	1234	CLA	C4D-CHA	2.69	1.47	1.38
14	b	1208	CLA	MG-NC	2.69	2.12	2.06
14	B	1021	CLA	C4D-CHA	2.69	1.47	1.38
14	T	1401	CLA	C1B-NB	-2.69	1.34	1.37
14	L	1503	CLA	C4D-CHA	2.69	1.47	1.38
14	b	1239	CLA	MG-NC	2.69	2.12	2.06
14	a	1012	CLA	C4D-CHA	2.69	1.47	1.38
14	G	1106	CLA	C1B-C2B	2.69	1.49	1.43
14	a	1133	CLA	MG-NC	2.69	2.12	2.06
14	A	1106	CLA	C1B-C2B	2.69	1.49	1.43
14	H	1216	CLA	C4D-CHA	2.69	1.47	1.38
14	B	1234	CLA	C4D-CHA	2.69	1.47	1.38
14	G	1133	CLA	MG-NC	2.69	2.12	2.06
14	H	1231	CLA	C4D-CHA	2.69	1.47	1.38
14	G	1130	CLA	C4B-NB	-2.69	1.34	1.37
14	B	1222	CLA	MG-ND	-2.69	2.00	2.05
14	G	1110	CLA	C4B-NB	-2.69	1.34	1.37
14	a	1110	CLA	C4B-NB	-2.69	1.34	1.37
14	A	1141	CLA	C1B-C2B	2.69	1.49	1.43
14	H	1233	CLA	MG-ND	-2.69	2.00	2.05
14	G	1107	CLA	C1B-C2B	2.69	1.49	1.43
14	G	1137	CLA	C4D-CHA	2.68	1.47	1.38
15	a	1121	F6C	C1A-C2A	2.68	1.51	1.45
14	G	1107	CLA	C1C-NC	-2.68	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1135	CLA	C4D-CHA	2.68	1.47	1.38
14	H	1210	CLA	C4B-NB	-2.68	1.34	1.37
14	B	1218	CLA	C1C-NC	-2.68	1.33	1.37
14	k	1401	CLA	C1B-NB	-2.68	1.34	1.37
14	H	1201	CLA	C1C-NC	-2.68	1.33	1.37
14	A	1107	CLA	C1B-C2B	2.68	1.49	1.43
14	A	1133	CLA	MG-NC	2.68	2.12	2.06
14	G	1130	CLA	MG-NC	2.68	2.12	2.06
14	B	1240	CLA	MG-ND	-2.68	2.00	2.05
14	B	1227	CLA	C3D-C2D	2.68	1.46	1.39
15	b	1207	F6C	C3C-C2C	2.68	1.45	1.38
14	A	1129	CLA	C3D-C2D	2.68	1.46	1.39
14	A	1012	CLA	C4D-CHA	2.68	1.47	1.38
14	a	1135	CLA	C4D-CHA	2.68	1.47	1.38
14	G	1129	CLA	C3D-C2D	2.68	1.46	1.39
14	a	1141	CLA	MG-ND	-2.68	2.00	2.05
14	B	1218	CLA	C4B-NB	-2.68	1.34	1.37
14	A	1125	CLA	OBD-CAD	2.68	1.27	1.22
14	a	1130	CLA	C4B-NB	-2.68	1.34	1.37
14	V	1501	CLA	C3D-C2D	2.68	1.46	1.39
14	A	1130	CLA	C4B-NB	-2.68	1.34	1.37
14	H	1213	CLA	C4B-NB	-2.68	1.34	1.37
14	a	1116	CLA	C1B-NB	-2.68	1.34	1.37
14	b	1213	CLA	C1C-NC	-2.67	1.33	1.37
14	b	1209	CLA	C1C-NC	-2.67	1.33	1.37
14	b	1222	CLA	MG-NC	2.67	2.12	2.06
14	a	1141	CLA	C1B-NB	-2.67	1.34	1.37
14	B	1222	CLA	MG-NC	2.67	2.12	2.06
14	l	1503	CLA	C4D-CHA	2.67	1.47	1.38
14	B	1211	CLA	C4B-NB	-2.67	1.34	1.37
14	a	1101	CLA	C1B-NB	-2.67	1.34	1.37
14	b	1211	CLA	C4B-NB	-2.67	1.34	1.37
14	U	1503	CLA	C4D-CHA	2.67	1.47	1.38
14	H	1240	CLA	MG-ND	-2.67	2.00	2.05
15	B	1207	F6C	C3C-C2C	2.67	1.45	1.38
14	H	1233	CLA	C1C-NC	-2.67	1.33	1.37
14	A	1135	CLA	C4D-CHA	2.67	1.47	1.38
14	H	1209	CLA	C1C-NC	-2.67	1.33	1.37
14	G	1104	CLA	C3D-C2D	2.67	1.46	1.39
14	B	1216	CLA	C4B-NB	-2.67	1.34	1.37
14	H	1222	CLA	MG-NC	2.67	2.12	2.06
14	a	1137	CLA	MG-NC	2.67	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1209	CLA	C1C-NC	-2.67	1.33	1.37
14	G	1105	CLA	C1C-NC	-2.67	1.33	1.37
14	a	1141	CLA	C1B-C2B	2.67	1.49	1.43
14	G	1012	CLA	C4D-CHA	2.66	1.47	1.38
14	A	1013	CLA	C4D-CHA	2.66	1.47	1.38
14	b	1227	CLA	C3D-C2D	2.66	1.46	1.39
14	A	1102	CLA	MG-ND	-2.66	2.00	2.05
14	b	1240	CLA	MG-ND	-2.66	2.00	2.05
14	G	1013	CLA	C4D-CHA	2.66	1.47	1.38
14	M	1501	CLA	C3D-C2D	2.66	1.46	1.39
14	a	1130	CLA	MG-NC	2.66	2.12	2.06
14	A	1141	CLA	C1B-NB	-2.66	1.34	1.37
14	a	1118	CLA	C4D-CHA	2.66	1.47	1.38
14	G	1125	CLA	OBD-CAD	2.66	1.27	1.22
14	G	1102	CLA	MG-ND	-2.66	2.00	2.05
14	A	1116	CLA	C1B-NB	-2.66	1.34	1.37
14	H	1218	CLA	C1C-NC	-2.66	1.33	1.37
14	G	1106	CLA	MG-NC	2.65	2.12	2.06
14	H	1236	CLA	MG-NC	2.65	2.12	2.06
14	B	1216	CLA	MG-NC	2.65	2.12	2.06
14	a	1129	CLA	C3D-C2D	2.65	1.46	1.39
14	H	1224	CLA	C4D-CHA	2.65	1.47	1.38
14	a	1013	CLA	C4D-CHA	2.65	1.47	1.38
14	a	1125	CLA	OBD-CAD	2.65	1.27	1.22
14	A	1126	CLA	MG-NC	2.65	2.12	2.06
14	b	1201	CLA	C1C-NC	-2.65	1.33	1.37
14	a	1105	CLA	C1B-C2B	2.65	1.49	1.43
14	A	1130	CLA	MG-NC	2.65	2.12	2.06
14	H	1204	CLA	MG-NC	2.65	2.12	2.06
14	a	1105	CLA	C1C-NC	-2.65	1.33	1.37
14	b	1224	CLA	C4D-CHA	2.65	1.47	1.38
14	G	1105	CLA	C1B-C2B	2.65	1.49	1.43
14	H	1203	CLA	C1B-C2B	2.65	1.49	1.43
14	G	1101	CLA	C1B-NB	-2.65	1.34	1.37
21	a	6001	LMT	O2'-C2'	-2.65	1.36	1.43
14	A	1120	CLA	MG-NC	2.65	2.12	2.06
14	H	1216	CLA	MG-NC	2.65	2.12	2.06
14	H	1227	CLA	C3D-C2D	2.65	1.46	1.39
15	B	1238	F6C	C3C-C2C	2.65	1.45	1.38
14	B	1228	CLA	MG-NC	2.65	2.12	2.06
14	b	1228	CLA	MG-NC	2.65	2.12	2.06
14	b	1203	CLA	C1B-C2B	2.65	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1224	CLA	C4D-CHA	2.65	1.47	1.38
14	A	1105	CLA	C1B-C2B	2.65	1.49	1.43
14	b	1236	CLA	MG-NC	2.64	2.12	2.06
14	H	1218	CLA	C4B-NB	-2.64	1.34	1.37
14	G	1126	CLA	MG-NC	2.64	2.12	2.06
14	a	1102	CLA	MG-ND	-2.64	2.00	2.05
14	G	1118	CLA	C4D-CHA	2.64	1.47	1.38
14	a	1120	CLA	C1B-C2B	2.64	1.49	1.43
14	G	1103	CLA	C4D-CHA	2.64	1.47	1.38
14	b	1216	CLA	MG-NC	2.64	2.12	2.06
14	m	1501	CLA	C3D-C2D	2.64	1.46	1.39
14	A	1105	CLA	C1C-NC	-2.64	1.33	1.37
14	B	1231	CLA	MG-ND	-2.64	2.00	2.05
21	G	6001	LMT	O2'-C2'	-2.64	1.36	1.43
14	H	1215	CLA	MG-NC	2.64	2.12	2.06
21	A	6001	LMT	O2'-C2'	-2.64	1.36	1.43
14	H	1216	CLA	C4B-NB	-2.64	1.34	1.37
14	G	1120	CLA	MG-NC	2.64	2.12	2.06
14	M	1501	CLA	C1B-C2B	2.64	1.49	1.43
15	H	1238	F6C	C3C-C2C	2.63	1.45	1.38
14	B	1201	CLA	C1C-NC	-2.63	1.33	1.37
14	B	1203	CLA	C1B-C2B	2.63	1.49	1.43
14	a	1126	CLA	MG-NC	2.63	2.12	2.06
14	A	1118	CLA	C4D-CHA	2.63	1.47	1.38
14	b	1201	CLA	C4B-NB	-2.63	1.34	1.37
14	B	1236	CLA	MG-NC	2.63	2.12	2.06
15	b	1238	F6C	C3C-C2C	2.63	1.45	1.38
14	b	1231	CLA	MG-ND	-2.63	2.00	2.05
14	a	1112	CLA	C1B-C2B	2.63	1.49	1.43
14	G	1119	CLA	C4B-NB	-2.63	1.34	1.37
14	A	1120	CLA	C1B-C2B	2.63	1.49	1.43
14	V	1501	CLA	C1B-C2B	2.63	1.49	1.43
14	B	1201	CLA	C4B-NB	-2.63	1.34	1.37
14	A	1125	CLA	C3D-C2D	2.63	1.46	1.39
14	U	1502	CLA	C4D-CHA	2.63	1.47	1.38
14	L	1502	CLA	MG-NC	2.63	2.12	2.06
14	H	1235	CLA	C4D-CHA	2.63	1.47	1.38
14	A	1109	CLA	C1B-C2B	2.63	1.49	1.43
14	G	1117	CLA	MG-NC	2.62	2.12	2.06
14	A	1134	CLA	C3B-C4B	2.62	1.50	1.42
14	b	1214	CLA	C4B-NB	-2.62	1.34	1.37
14	b	1228	CLA	C4B-NB	-2.62	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1012	CLA	C1C-NC	-2.62	1.33	1.37
14	b	1218	CLA	C1B-C2B	2.62	1.49	1.43
14	b	1236	CLA	C4D-CHA	2.62	1.47	1.38
14	a	1123	CLA	C1B-C2B	2.62	1.49	1.43
14	H	1202	CLA	C4D-CHA	2.62	1.47	1.38
14	B	1228	CLA	C4B-NB	-2.62	1.34	1.37
14	b	1202	CLA	C4D-CHA	2.62	1.47	1.38
14	H	1228	CLA	MG-NC	2.62	2.12	2.06
14	b	1235	CLA	C4D-CHA	2.62	1.47	1.38
14	U	1502	CLA	MG-NC	2.62	2.12	2.06
15	H	1230	F6C	C1D-C2D	2.62	1.49	1.44
14	G	1123	CLA	C1B-C2B	2.62	1.49	1.43
14	A	1119	CLA	C4B-NB	-2.62	1.34	1.37
14	m	1501	CLA	C1B-C2B	2.62	1.49	1.43
14	B	1202	CLA	C4D-CHA	2.62	1.47	1.38
14	A	1131	CLA	C4B-NB	-2.62	1.34	1.37
14	B	1215	CLA	MG-NC	2.62	2.12	2.06
14	a	1134	CLA	C3B-C4B	2.62	1.50	1.42
14	G	1109	CLA	C1B-C2B	2.62	1.49	1.43
14	a	1115	CLA	C4B-NB	-2.62	1.34	1.37
14	G	1129	CLA	MG-NC	2.62	2.12	2.06
14	G	1134	CLA	C3B-C4B	2.62	1.50	1.42
14	L	1502	CLA	C4D-CHA	2.62	1.47	1.38
14	b	1204	CLA	MG-NC	2.62	2.12	2.06
14	B	1236	CLA	OBD-CAD	2.62	1.27	1.22
14	B	1204	CLA	MG-NC	2.62	2.12	2.06
14	G	1125	CLA	C3D-C2D	2.62	1.46	1.39
14	a	1125	CLA	C3D-C2D	2.62	1.46	1.39
14	l	1502	CLA	C4D-CHA	2.62	1.47	1.38
14	a	1117	CLA	MG-NC	2.61	2.12	2.06
14	a	1120	CLA	MG-NC	2.61	2.12	2.06
14	A	1103	CLA	C4D-CHA	2.61	1.47	1.38
14	l	1502	CLA	MG-NC	2.61	2.12	2.06
14	B	1235	CLA	C4D-CHA	2.61	1.47	1.38
14	B	1236	CLA	C4D-CHA	2.61	1.47	1.38
14	a	1109	CLA	C1B-C2B	2.61	1.49	1.43
14	A	1117	CLA	MG-NC	2.61	2.12	2.06
14	H	1211	CLA	C4B-NB	-2.61	1.34	1.37
14	a	1103	CLA	C4D-CHA	2.61	1.47	1.38
21	R	6001	LMT	O3'-C3'	-2.61	1.36	1.43
14	U	1501	CLA	C1B-C2B	2.61	1.49	1.43
14	A	1101	CLA	C1B-NB	-2.61	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1203	CLA	MG-NC	2.61	2.12	2.06
14	b	1236	CLA	OBD-CAD	2.61	1.27	1.22
15	b	1230	F6C	CHB-C4A	-2.61	1.33	1.38
14	a	1118	CLA	C1C-NC	-2.61	1.33	1.37
14	G	1120	CLA	C1B-C2B	2.61	1.49	1.43
14	A	1129	CLA	MG-NC	2.61	2.12	2.06
14	A	1118	CLA	C1C-NC	-2.61	1.33	1.37
14	H	1231	CLA	MG-ND	-2.61	2.00	2.05
14	H	1236	CLA	C4D-CHA	2.61	1.47	1.38
14	b	1215	CLA	MG-NC	2.61	2.12	2.06
14	A	1114	CLA	C1C-NC	-2.61	1.33	1.37
14	B	1203	CLA	MG-NC	2.61	2.12	2.06
14	L	1501	CLA	C4D-CHA	2.61	1.47	1.38
14	G	1012	CLA	C1C-NC	-2.61	1.33	1.37
14	A	1123	CLA	C1B-C2B	2.60	1.49	1.43
21	i	6001	LMT	O3'-C3'	-2.60	1.36	1.43
14	H	1228	CLA	C4B-NB	-2.60	1.34	1.37
14	A	1122	CLA	MG-NC	2.60	2.12	2.06
14	A	1112	CLA	C1B-C2B	2.60	1.49	1.43
14	l	1501	CLA	C4D-CHA	2.60	1.47	1.38
14	G	1118	CLA	C1C-NC	-2.60	1.33	1.37
14	B	1218	CLA	C1B-C2B	2.60	1.49	1.43
14	L	1501	CLA	C1B-C2B	2.60	1.49	1.43
14	a	1122	CLA	MG-NC	2.60	2.12	2.06
21	I	6001	LMT	O3'-C3'	-2.60	1.36	1.43
14	G	1104	CLA	C4D-CHA	2.60	1.47	1.38
14	A	1104	CLA	C4B-NB	-2.60	1.34	1.37
14	G	1114	CLA	C1C-NC	-2.59	1.33	1.37
14	B	1212	CLA	MG-NC	2.59	2.12	2.06
14	b	1212	CLA	MG-NC	2.59	2.12	2.06
14	U	1501	CLA	C4D-CHA	2.59	1.47	1.38
14	a	1131	CLA	C4B-NB	-2.59	1.34	1.37
13	A	1011	CL0	C4D-CHA	2.59	1.47	1.38
14	a	1104	CLA	C4D-CHA	2.59	1.47	1.38
14	l	1501	CLA	C1B-C2B	2.59	1.49	1.43
15	B	1230	F6C	CHB-C4A	-2.59	1.33	1.38
14	A	1104	CLA	C4D-CHA	2.59	1.47	1.38
13	G	1011	CL0	C4D-CHA	2.59	1.47	1.38
14	B	1214	CLA	C4B-NB	-2.59	1.34	1.37
14	a	1104	CLA	C4B-NB	-2.59	1.34	1.37
13	a	1011	CL0	C4D-CHA	2.59	1.47	1.38
14	G	1116	CLA	C1B-NB	-2.59	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1112	CLA	C1B-C2B	2.59	1.49	1.43
14	a	1012	CLA	C1C-NC	-2.59	1.33	1.37
15	H	1237	F6C	C3C-C2C	2.59	1.45	1.38
14	G	1122	CLA	MG-NC	2.58	2.12	2.06
14	H	1236	CLA	OBD-CAD	2.58	1.26	1.22
14	a	1129	CLA	MG-NC	2.58	2.12	2.06
15	B	1237	F6C	C3C-C2C	2.58	1.45	1.38
15	b	1237	F6C	C3C-C2C	2.58	1.45	1.38
14	a	1114	CLA	C1C-NC	-2.58	1.33	1.37
14	H	1222	CLA	C1B-C2B	2.58	1.49	1.43
14	H	1023	CLA	C1B-C2B	2.58	1.49	1.43
14	H	1240	CLA	C4B-NB	-2.58	1.34	1.37
14	B	1221	CLA	C1C-NC	-2.58	1.33	1.37
14	H	1201	CLA	C4B-NB	-2.58	1.34	1.37
21	G	6003	LMT	O3'-C3'	-2.58	1.36	1.43
21	B	6001	LMT	O3'-C3'	-2.57	1.36	1.43
15	H	1230	F6C	CHB-C4A	-2.57	1.33	1.38
14	H	1212	CLA	MG-NC	2.57	2.12	2.06
14	b	1221	CLA	C1C-NC	-2.57	1.33	1.37
14	b	1222	CLA	C1B-C2B	2.57	1.49	1.43
14	b	1205	CLA	MG-NC	2.57	2.12	2.06
14	G	1131	CLA	C4B-NB	-2.57	1.34	1.37
14	H	1218	CLA	C1B-C2B	2.57	1.49	1.43
14	b	1203	CLA	MG-NC	2.57	2.12	2.06
21	H	6001	LMT	O3'-C3'	-2.57	1.36	1.43
14	B	1205	CLA	MG-NC	2.57	2.12	2.06
15	B	1230	F6C	C1D-C2D	2.57	1.49	1.44
14	b	1023	CLA	C4D-CHA	2.57	1.47	1.38
14	a	1133	CLA	C1B-C2B	2.57	1.49	1.43
14	K	1401	CLA	C1C-NC	-2.56	1.33	1.37
14	a	1119	CLA	C4B-NB	-2.56	1.34	1.37
14	B	1206	CLA	MG-NC	2.56	2.12	2.06
14	B	1240	CLA	C4B-NB	-2.56	1.34	1.37
14	G	1104	CLA	C4B-NB	-2.56	1.34	1.37
14	G	1118	CLA	C4B-NB	-2.56	1.34	1.37
21	G	6002	LMT	O3B-C3B	-2.56	1.36	1.43
14	A	1115	CLA	C4B-NB	-2.56	1.34	1.37
14	G	1122	CLA	C1B-C2B	2.56	1.49	1.43
14	H	1206	CLA	MG-NC	2.56	2.12	2.06
14	B	1218	CLA	MG-NC	2.56	2.12	2.06
14	b	1023	CLA	C1B-C2B	2.56	1.49	1.43
15	b	1230	F6C	C1D-C2D	2.56	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	1218	CLA	MG-NC	2.56	2.12	2.06
21	A	6003	LMT	O3'-C3'	-2.56	1.36	1.43
14	b	1240	CLA	C4B-NB	-2.56	1.34	1.37
15	b	1230	F6C	C1A-C2A	2.56	1.50	1.45
21	A	6002	LMT	O3B-C3B	-2.56	1.36	1.43
14	b	1240	CLA	C1B-C2B	2.56	1.49	1.43
14	A	1113	CLA	C1C-NC	-2.56	1.33	1.37
14	B	1222	CLA	C1B-C2B	2.55	1.49	1.43
14	B	1232	CLA	C4B-NB	-2.55	1.34	1.37
14	H	1221	CLA	C1C-NC	-2.55	1.33	1.37
21	a	6002	LMT	O3B-C3B	-2.55	1.36	1.43
14	B	1023	CLA	C4D-CHA	2.55	1.47	1.38
14	H	1240	CLA	C1B-C2B	2.55	1.49	1.43
14	B	1217	CLA	C1C-NC	-2.55	1.33	1.37
14	a	1138	CLA	MG-ND	-2.55	2.00	2.05
21	b	6001	LMT	O3'-C3'	-2.55	1.36	1.43
14	H	1205	CLA	MG-NC	2.55	2.12	2.06
14	b	1211	CLA	C1B-C2B	2.55	1.49	1.43
15	H	1230	F6C	C1A-C2A	2.55	1.50	1.45
14	B	1023	CLA	C1B-C2B	2.54	1.49	1.43
14	H	1232	CLA	C4B-NB	-2.54	1.34	1.37
14	H	1204	CLA	C1B-C2B	2.54	1.49	1.43
14	H	1217	CLA	C1C-NC	-2.54	1.33	1.37
14	b	1217	CLA	C1C-NC	-2.54	1.33	1.37
14	H	1218	CLA	MG-NC	2.54	2.12	2.06
14	B	1204	CLA	C1B-C2B	2.54	1.49	1.43
14	B	1233	CLA	C1B-C2B	2.54	1.49	1.43
21	H	6002	LMT	O3'-C3'	-2.54	1.36	1.43
14	H	1209	CLA	C1B-C2B	2.54	1.49	1.43
21	B	6002	LMT	O3'-C3'	-2.54	1.36	1.43
14	B	1240	CLA	C1C-NC	-2.54	1.33	1.37
21	A	6001	LMT	O3B-C3B	-2.54	1.36	1.43
14	G	1102	CLA	C1B-C2B	2.54	1.49	1.43
14	A	1133	CLA	C1B-C2B	2.54	1.49	1.43
14	G	1133	CLA	C1B-C2B	2.54	1.49	1.43
14	H	1211	CLA	C1B-C2B	2.54	1.49	1.43
14	H	1023	CLA	MG-NC	2.54	2.12	2.06
14	a	1102	CLA	C1B-C2B	2.54	1.49	1.43
14	A	1128	CLA	MG-NC	2.54	2.12	2.06
21	a	6003	LMT	O3'-C3'	-2.54	1.36	1.43
14	b	1233	CLA	C1B-C2B	2.54	1.49	1.43
14	H	1233	CLA	C1B-C2B	2.54	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	b	6002	LMT	O3'-C3'	-2.53	1.36	1.43
14	B	1240	CLA	C1B-C2B	2.53	1.49	1.43
14	A	1122	CLA	C1B-C2B	2.53	1.49	1.43
14	A	1118	CLA	C4B-NB	-2.53	1.34	1.37
14	A	1125	CLA	C1B-C2B	2.53	1.49	1.43
14	b	1232	CLA	C4B-NB	-2.53	1.34	1.37
14	a	1113	CLA	C1C-NC	-2.53	1.33	1.37
14	b	1240	CLA	C1C-NC	-2.53	1.33	1.37
14	b	1204	CLA	C4D-CHA	2.53	1.47	1.38
14	B	1021	CLA	C3A-C2A	-2.53	1.47	1.54
15	B	1230	F6C	C1A-C2A	2.53	1.50	1.45
14	b	1204	CLA	C1B-C2B	2.53	1.49	1.43
21	a	6001	LMT	O3B-C3B	-2.53	1.36	1.43
14	G	1111	CLA	C4B-NB	-2.53	1.34	1.37
14	G	1115	CLA	C4B-NB	-2.53	1.34	1.37
14	H	1214	CLA	C4B-NB	-2.53	1.34	1.37
21	G	6001	LMT	O3B-C3B	-2.53	1.36	1.43
14	a	1125	CLA	C1B-C2B	2.53	1.49	1.43
14	a	1122	CLA	C1B-C2B	2.53	1.49	1.43
14	k	1401	CLA	C1C-NC	-2.53	1.33	1.37
14	H	1023	CLA	C4D-CHA	2.53	1.47	1.38
14	T	1401	CLA	C1C-NC	-2.53	1.33	1.37
14	B	1204	CLA	C4D-CHA	2.53	1.47	1.38
14	T	1401	CLA	C4C-C3C	2.53	1.49	1.45
14	A	1138	CLA	MG-ND	-2.52	2.00	2.05
14	G	1138	CLA	MG-ND	-2.52	2.00	2.05
14	H	1240	CLA	C1C-NC	-2.52	1.33	1.37
14	a	1115	CLA	C1B-C2B	2.52	1.49	1.43
14	G	1128	CLA	MG-NC	2.52	2.12	2.06
14	G	1115	CLA	C1B-C2B	2.52	1.49	1.43
14	A	1117	CLA	MG-ND	-2.52	2.00	2.05
14	A	1104	CLA	C1B-C2B	2.52	1.49	1.43
14	b	1021	CLA	C3A-C2A	-2.52	1.47	1.54
14	b	1202	CLA	C4B-NB	-2.52	1.34	1.37
14	b	1206	CLA	MG-NC	2.52	2.12	2.06
21	a	6001	LMT	O2B-C2B	-2.52	1.36	1.43
21	a	6004	LMT	O3'-C3'	-2.52	1.36	1.43
14	A	1102	CLA	C1B-C2B	2.52	1.49	1.43
21	A	6004	LMT	O3'-C3'	-2.52	1.36	1.43
14	H	1235	CLA	C1B-C2B	2.52	1.49	1.43
21	L	6101	LMT	O3'-C3'	-2.51	1.36	1.43
14	H	1204	CLA	C4D-CHA	2.51	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1115	CLA	C1B-C2B	2.51	1.49	1.43
14	B	1209	CLA	C1B-C2B	2.51	1.49	1.43
14	k	1401	CLA	C4C-C3C	2.51	1.49	1.45
14	H	1021	CLA	C3A-C2A	-2.51	1.47	1.54
14	G	1104	CLA	C1B-C2B	2.51	1.49	1.43
14	B	1023	CLA	MG-NC	2.51	2.12	2.06
14	B	1211	CLA	C1B-C2B	2.51	1.49	1.43
14	a	1128	CLA	MG-NC	2.51	2.12	2.06
21	b	6004	LMT	O2'-C2'	-2.51	1.36	1.43
14	G	1125	CLA	C1B-C2B	2.51	1.49	1.43
14	A	1128	CLA	C4B-NB	-2.51	1.34	1.37
14	a	1104	CLA	C1B-C2B	2.51	1.49	1.43
15	a	1121	F6C	MG-ND	-2.51	2.00	2.06
21	G	6001	LMT	O2B-C2B	-2.51	1.36	1.43
21	l	6101	LMT	O3'-C3'	-2.51	1.36	1.43
14	b	1231	CLA	C1B-C2B	2.50	1.49	1.43
21	G	6004	LMT	O3'-C3'	-2.50	1.36	1.43
15	G	1121	F6C	MG-ND	-2.50	2.00	2.06
14	b	1021	CLA	MG-NC	2.50	2.12	2.06
14	G	1128	CLA	C4B-NB	-2.50	1.34	1.37
14	b	1022	CLA	C1C-NC	-2.50	1.34	1.37
14	a	1117	CLA	MG-ND	-2.50	2.00	2.05
14	M	1501	CLA	C1C-NC	-2.50	1.34	1.37
14	A	1135	CLA	C3D-C2D	2.50	1.45	1.39
14	b	1023	CLA	MG-NC	2.50	2.12	2.06
21	a	6002	LMT	O2B-C2B	-2.50	1.36	1.43
14	H	1229	CLA	C1C-NC	-2.50	1.34	1.37
21	U	6101	LMT	O3'-C3'	-2.50	1.36	1.43
14	B	1202	CLA	C4B-NB	-2.50	1.34	1.37
14	G	1113	CLA	C1C-NC	-2.50	1.34	1.37
14	B	1022	CLA	C1C-NC	-2.49	1.34	1.37
14	G	1135	CLA	C3D-C2D	2.49	1.45	1.39
14	H	1022	CLA	C4B-NB	-2.49	1.34	1.37
14	b	1209	CLA	C1B-C2B	2.49	1.49	1.43
21	G	6002	LMT	O2B-C2B	-2.49	1.36	1.43
14	a	1136	CLA	C4B-NB	-2.49	1.34	1.37
14	H	1240	CLA	C1D-C2D	2.49	1.50	1.45
14	A	1116	CLA	C1C-NC	-2.49	1.34	1.37
15	B	1238	F6C	CHB-C4A	-2.49	1.33	1.38
15	A	1121	F6C	MG-ND	-2.49	2.00	2.06
14	K	1401	CLA	C4C-C3C	2.49	1.49	1.45
21	A	6002	LMT	O2B-C2B	-2.49	1.36	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1117	CLA	C4B-NB	-2.49	1.34	1.37
14	a	1135	CLA	C3D-C2D	2.49	1.45	1.39
15	H	1230	F6C	C1D-ND	-2.49	1.34	1.37
14	A	1107	CLA	C4B-NB	-2.49	1.34	1.37
14	a	1116	CLA	C4B-NB	-2.49	1.34	1.37
14	b	1022	CLA	C4B-NB	-2.49	1.34	1.37
14	a	1118	CLA	C4B-NB	-2.48	1.34	1.37
21	A	6001	LMT	O2B-C2B	-2.48	1.36	1.43
14	A	1111	CLA	C4B-NB	-2.48	1.34	1.37
14	a	1128	CLA	C4B-NB	-2.48	1.34	1.37
14	A	1101	CLA	C1C-NC	-2.48	1.34	1.37
14	G	1117	CLA	MG-ND	-2.48	2.00	2.05
14	B	1022	CLA	C4B-NB	-2.48	1.34	1.37
21	b	6003	LMT	O3'-C3'	-2.48	1.36	1.43
14	B	1021	CLA	MG-NC	2.48	2.12	2.06
14	a	1101	CLA	C1C-NC	-2.48	1.34	1.37
14	B	1231	CLA	C1B-C2B	2.48	1.48	1.43
15	H	1238	F6C	CHB-C4A	-2.48	1.33	1.38
14	H	1202	CLA	C4B-NB	-2.48	1.34	1.37
14	a	1117	CLA	C4B-NB	-2.48	1.34	1.37
21	a	6002	LMT	O2'-C2'	-2.48	1.36	1.43
14	l	1501	CLA	MG-ND	-2.48	2.00	2.05
14	B	1235	CLA	C1B-C2B	2.47	1.48	1.43
14	H	1231	CLA	C1B-C2B	2.47	1.48	1.43
21	B	6003	LMT	O3'-C3'	-2.47	1.36	1.43
21	H	6003	LMT	O3'-C3'	-2.47	1.36	1.43
14	G	1116	CLA	C4B-NB	-2.47	1.34	1.37
14	G	1136	CLA	C4B-NB	-2.47	1.34	1.37
14	V	1501	CLA	C1C-NC	-2.47	1.34	1.37
14	B	1210	CLA	C1B-C2B	2.47	1.48	1.43
14	G	1116	CLA	C1C-NC	-2.47	1.34	1.37
15	b	1238	F6C	CHB-C4A	-2.47	1.33	1.38
21	B	6004	LMT	O2'-C2'	-2.47	1.36	1.43
14	B	1229	CLA	C1C-NC	-2.47	1.34	1.37
14	b	1229	CLA	C1C-NC	-2.47	1.34	1.37
14	a	1111	CLA	C1B-C2B	2.47	1.48	1.43
14	m	1501	CLA	C1C-NC	-2.47	1.34	1.37
21	G	6002	LMT	O2'-C2'	-2.47	1.36	1.43
14	b	1240	CLA	C1D-C2D	2.47	1.50	1.45
14	b	1210	CLA	C1B-C2B	2.47	1.48	1.43
14	L	1501	CLA	MG-ND	-2.47	2.00	2.05
14	B	1208	CLA	C1B-C2B	2.47	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	k	1401	CLA	C4B-NB	-2.47	1.34	1.37
15	B	1230	F6C	C1D-ND	-2.46	1.34	1.37
14	b	1235	CLA	C1B-C2B	2.46	1.48	1.43
14	A	1136	CLA	C4B-NB	-2.46	1.34	1.37
14	b	1021	CLA	C1B-C2B	2.46	1.48	1.43
14	U	1501	CLA	MG-ND	-2.46	2.00	2.05
14	G	1109	CLA	C4B-NB	-2.46	1.34	1.37
14	a	1108	CLA	C1B-C2B	2.46	1.48	1.43
21	H	6004	LMT	O2'-C2'	-2.46	1.36	1.43
14	H	1022	CLA	C1C-NC	-2.46	1.34	1.37
14	B	1201	CLA	C1B-C2B	2.46	1.48	1.43
14	a	1111	CLA	C4B-NB	-2.46	1.34	1.37
14	G	1101	CLA	C1C-NC	-2.46	1.34	1.37
14	G	1108	CLA	C1B-C2B	2.46	1.48	1.43
14	H	1208	CLA	C1B-C2B	2.46	1.48	1.43
14	b	1201	CLA	C1B-C2B	2.46	1.48	1.43
14	B	1229	CLA	C1B-C2B	2.46	1.48	1.43
14	H	1212	CLA	C1B-C2B	2.46	1.48	1.43
14	A	1116	CLA	C4B-NB	-2.46	1.34	1.37
14	G	1107	CLA	C4B-NB	-2.46	1.34	1.37
14	B	1021	CLA	C1B-C2B	2.45	1.48	1.43
14	b	1229	CLA	C1B-C2B	2.45	1.48	1.43
21	A	6002	LMT	O2'-C2'	-2.45	1.36	1.43
14	B	1240	CLA	C1D-C2D	2.45	1.50	1.45
14	H	1021	CLA	MG-NC	2.45	2.12	2.06
14	a	1116	CLA	C1C-NC	-2.45	1.34	1.37
15	b	1230	F6C	C1D-ND	-2.45	1.34	1.37
14	B	1236	CLA	C3D-C2D	2.45	1.45	1.39
14	H	1229	CLA	C1B-C2B	2.45	1.48	1.43
14	G	1110	CLA	C1B-C2B	2.45	1.48	1.43
14	B	1214	CLA	C1C-NC	-2.44	1.34	1.37
14	A	1108	CLA	C1B-C2B	2.44	1.48	1.43
14	H	1021	CLA	C1B-C2B	2.44	1.48	1.43
14	A	1110	CLA	C1B-C2B	2.44	1.48	1.43
14	A	1111	CLA	C1B-C2B	2.44	1.48	1.43
14	H	1210	CLA	C1B-C2B	2.44	1.48	1.43
14	G	1139	CLA	C1C-NC	-2.44	1.34	1.37
14	b	1214	CLA	C1C-NC	-2.44	1.34	1.37
14	H	1201	CLA	C1B-C2B	2.44	1.48	1.43
14	H	1221	CLA	C1B-C2B	2.44	1.48	1.43
15	a	1121	F6C	C1D-C2D	2.43	1.49	1.44
21	G	6003	LMT	O2'-C2'	-2.43	1.36	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1131	CLA	C1B-C2B	2.43	1.48	1.43
14	a	1135	CLA	C1B-C2B	2.43	1.48	1.43
15	G	1121	F6C	C1D-C2D	2.43	1.49	1.44
14	a	1107	CLA	C4B-NB	-2.43	1.34	1.37
14	a	1109	CLA	C4B-NB	-2.43	1.34	1.37
14	H	1236	CLA	C3D-C2D	2.43	1.45	1.39
21	B	6001	LMT	O2'-C2'	-2.43	1.36	1.43
21	H	6001	LMT	O2'-C2'	-2.43	1.36	1.43
14	G	1137	CLA	C1B-C2B	2.43	1.48	1.43
14	A	1135	CLA	C1B-C2B	2.43	1.48	1.43
14	b	1236	CLA	C3D-C2D	2.43	1.45	1.39
15	A	1121	F6C	C1D-C2D	2.43	1.49	1.44
14	A	1117	CLA	C4B-NB	-2.42	1.34	1.37
14	a	1131	CLA	C1B-C2B	2.42	1.48	1.43
14	b	1208	CLA	C1B-C2B	2.42	1.48	1.43
14	K	1401	CLA	C4B-NB	-2.42	1.34	1.37
14	a	1110	CLA	C1B-C2B	2.42	1.48	1.43
14	a	1137	CLA	C1B-C2B	2.42	1.48	1.43
14	A	1109	CLA	C4B-NB	-2.42	1.34	1.37
14	A	1131	CLA	C1B-C2B	2.42	1.48	1.43
21	U	6002	LMT	O2'-C2'	-2.42	1.37	1.43
21	b	6001	LMT	O2'-C2'	-2.42	1.37	1.43
14	G	1135	CLA	C1B-C2B	2.42	1.48	1.43
14	A	1137	CLA	C1B-C2B	2.42	1.48	1.43
14	b	1212	CLA	C1B-C2B	2.42	1.48	1.43
14	b	1221	CLA	C1B-C2B	2.42	1.48	1.43
14	A	1140	CLA	C1B-C2B	2.42	1.48	1.43
14	B	1212	CLA	C1B-C2B	2.42	1.48	1.43
14	H	1214	CLA	C1C-NC	-2.42	1.34	1.37
20	i	5006	LMG	C37-C36	-2.42	1.33	1.50
14	T	1401	CLA	C4B-NB	-2.41	1.34	1.37
20	I	5006	LMG	C37-C36	-2.41	1.33	1.50
14	a	1139	CLA	C1C-NC	-2.41	1.34	1.37
21	b	6002	LMT	O2'-C2'	-2.41	1.37	1.43
21	l	6002	LMT	O2'-C2'	-2.41	1.37	1.43
15	B	1207	F6C	CMB-C2B	2.41	1.50	1.45
15	b	1207	F6C	CMB-C2B	2.41	1.50	1.45
20	R	5006	LMG	C37-C36	-2.41	1.33	1.50
14	b	1213	CLA	C1B-C2B	2.41	1.48	1.43
21	V	6000	LMT	O3B-C3B	-2.41	1.37	1.43
14	a	1138	CLA	C1D-C2D	2.41	1.50	1.45
14	G	1140	CLA	C1B-C2B	2.41	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	M	6000	LMT	O3B-C3B	-2.41	1.37	1.43
14	B	1221	CLA	C1B-C2B	2.41	1.48	1.43
14	b	1202	CLA	MG-NC	2.41	2.12	2.06
21	a	6003	LMT	O2'-C2'	-2.41	1.37	1.43
14	B	1202	CLA	MG-NC	2.41	2.12	2.06
14	H	1202	CLA	MG-NC	2.40	2.12	2.06
14	G	1103	CLA	C1B-C2B	2.40	1.48	1.43
14	a	1140	CLA	C1B-C2B	2.40	1.48	1.43
21	L	6002	LMT	O2'-C2'	-2.40	1.37	1.43
14	a	1114	CLA	C1D-C2D	2.40	1.50	1.45
14	A	1139	CLA	C1C-NC	-2.40	1.34	1.37
21	B	6002	LMT	O2'-C2'	-2.40	1.37	1.43
14	A	1141	CLA	C1C-NC	-2.40	1.34	1.37
14	G	1138	CLA	C4B-NB	-2.40	1.34	1.37
15	B	1230	F6C	MG-ND	-2.40	2.00	2.06
14	G	1111	CLA	C1B-C2B	2.40	1.48	1.43
21	A	6003	LMT	O2'-C2'	-2.39	1.37	1.43
14	b	1215	CLA	C1B-C2B	2.39	1.48	1.43
14	A	1138	CLA	C4B-NB	-2.39	1.34	1.37
14	b	1228	CLA	C1B-C2B	2.39	1.48	1.43
14	B	1228	CLA	C1B-C2B	2.39	1.48	1.43
14	G	1102	CLA	C1D-C2D	2.39	1.50	1.45
14	A	1113	CLA	MG-ND	-2.39	2.01	2.05
14	G	1113	CLA	MG-ND	-2.39	2.01	2.05
14	B	1232	CLA	C1C-NC	-2.39	1.34	1.37
15	H	1207	F6C	CMB-C2B	2.39	1.50	1.45
21	m	6000	LMT	O3B-C3B	-2.39	1.37	1.43
21	H	6002	LMT	O2'-C2'	-2.39	1.37	1.43
14	a	1102	CLA	C3B-C4B	2.39	1.49	1.42
14	H	1228	CLA	C1B-C2B	2.39	1.48	1.43
14	A	1114	CLA	C1D-C2D	2.39	1.50	1.45
15	a	1121	F6C	C2B-C1B	2.38	1.49	1.44
15	b	1230	F6C	MG-ND	-2.38	2.00	2.06
15	H	1230	F6C	MG-ND	-2.38	2.00	2.06
14	A	1102	CLA	C3B-C4B	2.38	1.49	1.42
15	G	1121	F6C	C2B-C1B	2.38	1.49	1.44
14	a	1127	CLA	C1B-C2B	2.38	1.48	1.43
14	b	1234	CLA	C1B-C2B	2.38	1.48	1.43
14	G	1102	CLA	C3B-C4B	2.38	1.49	1.42
14	A	1103	CLA	C1B-C2B	2.38	1.48	1.43
14	a	1113	CLA	MG-ND	-2.38	2.01	2.05
14	a	1141	CLA	C1C-NC	-2.38	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	b	1219	F6C	CMB-C2B	2.38	1.50	1.45
14	B	1234	CLA	C4B-NB	-2.38	1.34	1.37
14	H	1232	CLA	C1C-NC	-2.38	1.34	1.37
14	H	1234	CLA	C1B-C2B	2.37	1.48	1.43
14	B	1213	CLA	C1B-C2B	2.37	1.48	1.43
14	b	1231	CLA	C1C-NC	-2.37	1.34	1.37
14	a	1138	CLA	C4B-NB	-2.37	1.34	1.37
14	G	1113	CLA	C1B-C2B	2.37	1.48	1.43
14	H	1234	CLA	C4B-NB	-2.37	1.34	1.37
14	G	1141	CLA	C1C-NC	-2.37	1.34	1.37
14	a	1139	CLA	C1B-C2B	2.37	1.48	1.43
14	H	1215	CLA	C1B-C2B	2.37	1.48	1.43
14	H	1233	CLA	C3B-C4B	2.37	1.49	1.42
14	G	1138	CLA	C1B-C2B	2.37	1.48	1.43
14	b	1209	CLA	C4B-NB	-2.37	1.34	1.37
14	G	1127	CLA	C1B-C2B	2.37	1.48	1.43
14	a	1103	CLA	C1B-C2B	2.37	1.48	1.43
14	A	1139	CLA	C1B-C2B	2.37	1.48	1.43
14	G	1114	CLA	C1D-C2D	2.37	1.50	1.45
15	H	1219	F6C	CMB-C2B	2.36	1.50	1.45
15	b	1230	F6C	CMB-C2B	2.36	1.50	1.45
14	A	1102	CLA	C1D-C2D	2.36	1.50	1.45
14	A	1113	CLA	C1B-C2B	2.36	1.48	1.43
14	b	1232	CLA	C1C-NC	-2.36	1.34	1.37
13	G	1011	CL0	C3A-C2A	-2.36	1.48	1.54
14	b	1202	CLA	C1B-C2B	2.36	1.48	1.43
14	B	1233	CLA	C3B-C4B	2.36	1.49	1.42
14	b	1226	CLA	MG-NC	2.36	2.11	2.06
14	B	1209	CLA	C4B-NB	-2.36	1.34	1.37
14	H	1231	CLA	C1C-NC	-2.36	1.34	1.37
14	A	1138	CLA	C1D-C2D	2.36	1.50	1.45
14	B	1234	CLA	C1B-C2B	2.36	1.48	1.43
15	A	1121	F6C	C2B-C1B	2.36	1.49	1.44
15	B	1230	F6C	CMB-C2B	2.36	1.50	1.45
14	H	1209	CLA	C4B-NB	-2.36	1.34	1.37
14	a	1113	CLA	C1B-C2B	2.36	1.48	1.43
14	B	1231	CLA	C1C-NC	-2.36	1.34	1.37
14	B	1202	CLA	C1B-C2B	2.36	1.48	1.43
14	a	1138	CLA	C1B-C2B	2.36	1.48	1.43
15	B	1219	F6C	CMB-C2B	2.36	1.50	1.45
15	H	1230	F6C	CMB-C2B	2.36	1.50	1.45
14	A	1125	CLA	MG-NC	2.36	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1226	CLA	MG-NC	2.36	2.11	2.06
14	A	1138	CLA	C1B-C2B	2.36	1.48	1.43
14	B	1215	CLA	C1B-C2B	2.36	1.48	1.43
14	G	1108	CLA	C1D-C2D	2.35	1.50	1.45
14	H	1216	CLA	C1D-C2D	2.35	1.50	1.45
14	b	1236	CLA	C3B-C4B	2.35	1.49	1.42
15	b	1219	F6C	C2B-C1B	2.35	1.49	1.44
14	A	1135	CLA	C4C-C3C	2.35	1.49	1.45
14	b	1231	CLA	C4B-NB	-2.35	1.34	1.37
14	A	1127	CLA	C1B-C2B	2.35	1.48	1.43
14	B	1217	CLA	C4B-NB	-2.35	1.34	1.37
14	H	1213	CLA	C1B-C2B	2.35	1.48	1.43
21	V	6000	LMT	O2'-C2'	-2.35	1.37	1.43
14	H	1223	CLA	C1B-C2B	2.35	1.48	1.43
14	b	1234	CLA	C4B-NB	-2.35	1.34	1.37
14	b	1233	CLA	C3B-C4B	2.35	1.49	1.42
14	G	1109	CLA	C1D-C2D	2.35	1.50	1.45
14	G	1139	CLA	C1B-C2B	2.35	1.48	1.43
14	A	1109	CLA	C1D-C2D	2.34	1.50	1.45
14	B	1236	CLA	C3B-C4B	2.34	1.49	1.42
14	G	1140	CLA	C4B-NB	-2.34	1.34	1.37
14	b	1223	CLA	C1B-C2B	2.34	1.48	1.43
14	G	1141	CLA	C4B-NB	-2.34	1.34	1.37
14	H	1226	CLA	MG-NC	2.34	2.11	2.06
14	a	1125	CLA	MG-NC	2.34	2.11	2.06
13	A	1011	CL0	C3A-C2A	-2.34	1.48	1.54
14	G	1125	CLA	MG-NC	2.34	2.11	2.06
14	a	1102	CLA	C1D-C2D	2.34	1.50	1.45
14	b	1231	CLA	C1D-C2D	2.34	1.50	1.45
14	G	1135	CLA	C4C-C3C	2.34	1.49	1.45
14	H	1236	CLA	C3B-C4B	2.34	1.49	1.42
14	H	1202	CLA	C1B-C2B	2.34	1.48	1.43
13	a	1011	CL0	C3A-C2A	-2.34	1.48	1.54
13	G	1011	CL0	C1B-C2B	2.34	1.48	1.43
14	B	1223	CLA	C1B-C2B	2.33	1.48	1.43
14	H	1217	CLA	C4B-NB	-2.33	1.34	1.37
14	a	1109	CLA	C1D-C2D	2.33	1.50	1.45
21	M	6000	LMT	O2'-C2'	-2.33	1.37	1.43
14	a	1140	CLA	C4B-NB	-2.33	1.34	1.37
21	m	6000	LMT	O2'-C2'	-2.33	1.37	1.43
14	b	1217	CLA	C4B-NB	-2.33	1.34	1.37
14	a	1135	CLA	C4C-C3C	2.33	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1108	CLA	C1D-C2D	2.33	1.49	1.45
13	A	1011	CL0	C1B-C2B	2.33	1.48	1.43
14	A	1013	CLA	MG-NC	2.32	2.11	2.06
14	G	1013	CLA	MG-NC	2.32	2.11	2.06
21	i	6001	LMT	O2'-C2'	-2.32	1.37	1.43
14	A	1140	CLA	C4B-NB	-2.32	1.34	1.37
14	G	1138	CLA	C1D-C2D	2.32	1.49	1.45
15	B	1238	F6C	C1A-C2A	2.32	1.50	1.45
14	A	1124	CLA	C1B-C2B	2.32	1.48	1.43
14	B	1231	CLA	C1D-C2D	2.32	1.49	1.45
14	H	1232	CLA	C1B-C2B	2.32	1.48	1.43
13	a	1011	CL0	C1B-C2B	2.32	1.48	1.43
14	A	1141	CLA	C4B-NB	-2.32	1.34	1.37
14	H	1205	CLA	C1B-C2B	2.32	1.48	1.43
14	B	1216	CLA	C1D-C2D	2.32	1.49	1.45
15	H	1207	F6C	CHB-C4A	-2.32	1.33	1.38
14	H	1231	CLA	C1D-C2D	2.32	1.49	1.45
14	B	1231	CLA	C4B-NB	-2.32	1.34	1.37
15	b	1238	F6C	C1A-C2A	2.31	1.50	1.45
14	a	1124	CLA	C1B-C2B	2.31	1.48	1.43
14	a	1108	CLA	C1D-C2D	2.31	1.49	1.45
15	B	1219	F6C	C2B-C1B	2.31	1.49	1.44
14	G	1109	CLA	C1A-CHA	2.31	1.52	1.43
14	b	1216	CLA	C1D-C2D	2.31	1.49	1.45
14	A	1114	CLA	C4B-NB	-2.31	1.34	1.37
21	a	6001	LMT	O1'-C1'	-2.31	1.36	1.40
15	B	1219	F6C	C4C-NC	-2.31	1.34	1.37
15	B	1207	F6C	CHB-C4A	-2.30	1.33	1.38
21	R	6001	LMT	O2'-C2'	-2.30	1.37	1.43
14	A	1116	CLA	C1B-C2B	2.30	1.48	1.43
21	A	6001	LMT	O1'-C1'	-2.30	1.36	1.40
21	I	6001	LMT	O2'-C2'	-2.30	1.37	1.43
14	B	1239	CLA	C4B-NB	-2.30	1.34	1.37
14	G	1124	CLA	C1B-C2B	2.30	1.48	1.43
21	l	6002	LMT	O3B-C3B	-2.30	1.37	1.43
14	H	1233	CLA	C4C-C3C	2.30	1.48	1.45
15	b	1207	F6C	CHB-C4A	-2.30	1.33	1.38
14	H	1239	CLA	C4B-NB	-2.30	1.34	1.37
14	H	1231	CLA	C4B-NB	-2.30	1.34	1.37
14	a	1116	CLA	C1B-C2B	2.30	1.48	1.43
15	H	1238	F6C	C1A-C2A	2.30	1.50	1.45
14	B	1232	CLA	C1B-C2B	2.30	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1103	CLA	MG-NC	2.30	2.11	2.06
14	A	1109	CLA	C1A-CHA	2.30	1.52	1.43
21	b	6002	LMT	O2B-C2B	-2.30	1.37	1.43
14	a	1103	CLA	MG-NC	2.30	2.11	2.06
21	l	6002	LMT	O4'-C4B	-2.29	1.37	1.43
15	H	1219	F6C	C2B-C1B	2.29	1.49	1.44
14	B	1205	CLA	C1B-C2B	2.29	1.48	1.43
14	G	1116	CLA	C1B-C2B	2.29	1.48	1.43
14	b	1232	CLA	C1B-C2B	2.29	1.48	1.43
14	a	1013	CLA	MG-NC	2.29	2.11	2.06
14	G	1103	CLA	MG-NC	2.29	2.11	2.06
15	B	1219	F6C	C4B-NB	-2.29	1.34	1.37
15	b	1219	F6C	C4B-NB	-2.29	1.34	1.37
14	a	1114	CLA	C1B-C2B	2.29	1.48	1.43
14	a	1109	CLA	C1A-CHA	2.29	1.52	1.43
14	G	1105	CLA	C1D-C2D	2.29	1.49	1.45
14	B	1228	CLA	C1D-C2D	2.29	1.49	1.45
21	L	6002	LMT	O4'-C4B	-2.28	1.37	1.43
15	b	1230	F6C	C3B-C4B	2.28	1.49	1.44
15	H	1219	F6C	C4C-NC	-2.28	1.34	1.37
14	B	1233	CLA	C4C-C3C	2.28	1.48	1.45
15	H	1219	F6C	C4B-NB	-2.28	1.34	1.37
14	a	1114	CLA	C4B-NB	-2.28	1.34	1.37
15	b	1219	F6C	C4A-C3A	2.28	1.49	1.45
14	U	1502	CLA	C1B-C2B	2.28	1.48	1.43
14	b	1205	CLA	C1B-C2B	2.28	1.48	1.43
14	L	1502	CLA	C1B-C2B	2.28	1.48	1.43
14	b	1236	CLA	C1B-C2B	2.28	1.48	1.43
14	V	1501	CLA	C4B-NB	-2.28	1.34	1.37
21	B	6004	LMT	O3'-C3'	-2.27	1.37	1.43
15	H	1230	F6C	C3B-C4B	2.27	1.49	1.44
14	A	1105	CLA	C1D-C2D	2.27	1.49	1.45
21	L	6002	LMT	O3B-C3B	-2.27	1.37	1.43
14	b	1227	CLA	C1B-C2B	2.27	1.48	1.43
15	B	1219	F6C	C4A-C3A	2.27	1.49	1.45
21	i	6001	LMT	O3B-C3B	-2.27	1.37	1.43
15	H	1219	F6C	C4A-C3A	2.27	1.49	1.45
14	A	1102	CLA	C1C-NC	-2.27	1.34	1.37
21	G	6001	LMT	O1'-C1'	-2.27	1.36	1.40
14	A	1102	CLA	C4B-NB	-2.27	1.34	1.37
14	b	1239	CLA	C4B-NB	-2.27	1.34	1.37
14	H	1229	CLA	C1D-C2D	2.27	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	U	6002	LMT	O3B-C3B	-2.27	1.37	1.43
21	U	6002	LMT	O4'-C4B	-2.27	1.37	1.43
14	l	1502	CLA	C1B-C2B	2.26	1.48	1.43
15	b	1219	F6C	C4C-NC	-2.26	1.34	1.37
14	b	1228	CLA	C4C-C3C	2.26	1.48	1.45
15	B	1230	F6C	C3B-C4B	2.26	1.49	1.44
14	B	1233	CLA	C1D-C2D	2.26	1.49	1.45
14	b	1228	CLA	C1D-C2D	2.26	1.49	1.45
14	a	1141	CLA	C4B-NB	-2.26	1.34	1.37
21	G	6003	LMT	O3B-C3B	-2.26	1.37	1.43
21	b	6002	LMT	O1'-C1'	-2.26	1.36	1.40
14	A	1139	CLA	C3B-C4B	2.26	1.49	1.42
14	H	1228	CLA	C4C-C3C	2.26	1.48	1.45
14	b	1216	CLA	C4C-C3C	2.26	1.48	1.45
21	B	6002	LMT	O2B-C2B	-2.26	1.37	1.43
14	B	1227	CLA	C1B-C2B	2.26	1.48	1.43
14	B	1228	CLA	C4C-C3C	2.26	1.48	1.45
21	m	6000	LMT	O2B-C2B	-2.26	1.37	1.43
14	G	1114	CLA	C4B-NB	-2.26	1.34	1.37
14	m	1501	CLA	C4B-NB	-2.26	1.34	1.37
14	H	1228	CLA	C1D-C2D	2.26	1.49	1.45
14	G	1139	CLA	C3B-C4B	2.26	1.49	1.42
14	A	1138	CLA	C1C-NC	-2.26	1.34	1.37
21	B	6002	LMT	O1'-C1'	-2.26	1.36	1.40
14	a	1139	CLA	C3B-C4B	2.26	1.49	1.42
14	A	1114	CLA	C1B-C2B	2.26	1.48	1.43
21	a	6003	LMT	O2B-C2B	-2.26	1.37	1.43
14	b	1236	CLA	C4B-NB	-2.26	1.34	1.37
14	G	1104	CLA	MG-NC	2.25	2.11	2.06
14	a	1102	CLA	C4B-NB	-2.25	1.34	1.37
14	H	1227	CLA	C1B-C2B	2.25	1.48	1.43
14	G	1114	CLA	C1B-C2B	2.25	1.48	1.43
21	H	6004	LMT	O3'-C3'	-2.25	1.37	1.43
14	a	1105	CLA	C1D-C2D	2.25	1.49	1.45
14	H	1212	CLA	C1D-C2D	2.25	1.49	1.45
21	I	6001	LMT	O3B-C3B	-2.25	1.37	1.43
14	a	1102	CLA	C1C-NC	-2.25	1.34	1.37
14	B	1229	CLA	C1D-C2D	2.25	1.49	1.45
15	H	1237	F6C	C1A-C2A	2.25	1.50	1.45
21	b	6004	LMT	O3'-C3'	-2.25	1.37	1.43
14	b	1229	CLA	C1D-C2D	2.25	1.49	1.45
14	a	1101	CLA	C3B-C4B	2.25	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1236	CLA	C1B-C2B	2.25	1.48	1.43
14	H	1233	CLA	C1D-C2D	2.25	1.49	1.45
21	H	6002	LMT	O1'-C1'	-2.25	1.36	1.40
15	H	1219	F6C	C1D-ND	-2.25	1.34	1.37
14	B	1212	CLA	C1D-C2D	2.24	1.49	1.45
14	b	1212	CLA	C1D-C2D	2.24	1.49	1.45
21	A	6003	LMT	O2B-C2B	-2.24	1.37	1.43
21	V	6000	LMT	O2B-C2B	-2.24	1.37	1.43
14	b	1233	CLA	C4C-C3C	2.24	1.48	1.45
14	G	1102	CLA	C1C-NC	-2.24	1.34	1.37
14	H	1214	CLA	C4C-C3C	2.24	1.48	1.45
14	H	1211	CLA	C3B-C4B	2.24	1.49	1.42
15	B	1237	F6C	C1A-C2A	2.24	1.50	1.45
14	G	1101	CLA	C3B-C4B	2.24	1.49	1.42
14	A	1104	CLA	MG-NC	2.24	2.11	2.06
14	G	1138	CLA	C1C-NC	-2.24	1.34	1.37
21	G	6002	LMT	O1'-C1'	-2.24	1.36	1.40
14	B	1216	CLA	C4C-C3C	2.24	1.48	1.45
14	G	1139	CLA	C1D-C2D	2.24	1.49	1.45
14	G	1134	CLA	C1D-C2D	2.24	1.49	1.45
21	A	6002	LMT	O1'-C1'	-2.24	1.36	1.40
14	H	1236	CLA	C1B-C2B	2.24	1.48	1.43
21	M	6000	LMT	O2B-C2B	-2.24	1.37	1.43
14	a	1113	CLA	C1D-C2D	2.23	1.49	1.45
14	a	1104	CLA	MG-NC	2.23	2.11	2.06
21	H	6002	LMT	O2B-C2B	-2.23	1.37	1.43
14	A	1113	CLA	C1D-C2D	2.23	1.49	1.45
14	B	1211	CLA	C3B-C4B	2.23	1.49	1.42
21	A	6003	LMT	O3B-C3B	-2.23	1.37	1.43
14	G	1113	CLA	C1D-C2D	2.23	1.49	1.45
21	H	6002	LMT	O3B-C3B	-2.23	1.37	1.43
14	G	1102	CLA	C4B-NB	-2.23	1.34	1.37
15	b	1237	F6C	C1A-C2A	2.23	1.50	1.45
14	a	1138	CLA	C1C-NC	-2.23	1.34	1.37
14	A	1101	CLA	C3B-C4B	2.23	1.49	1.42
14	A	1139	CLA	C1D-C2D	2.23	1.49	1.45
14	b	1214	CLA	C4C-C3C	2.23	1.48	1.45
21	R	6001	LMT	O3B-C3B	-2.23	1.37	1.43
14	b	1233	CLA	C1D-C2D	2.23	1.49	1.45
21	l	6101	LMT	O2'-C2'	-2.22	1.37	1.43
21	H	6001	LMT	O2B-C2B	-2.22	1.37	1.43
14	M	1501	CLA	C4B-NB	-2.22	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1101	CLA	C4C-C3C	2.22	1.48	1.45
14	b	1211	CLA	C3B-C4B	2.22	1.49	1.42
15	b	1219	F6C	C1D-ND	-2.22	1.34	1.37
15	B	1219	F6C	C1D-ND	-2.21	1.34	1.37
21	a	6003	LMT	O3B-C3B	-2.21	1.37	1.43
14	A	1013	CLA	C3B-C4B	2.21	1.49	1.42
21	a	6002	LMT	O1'-C1'	-2.21	1.36	1.40
14	a	1139	CLA	C1D-C2D	2.21	1.49	1.45
14	a	1101	CLA	C4C-C3C	2.21	1.48	1.45
14	A	1141	CLA	C4C-C3C	2.21	1.48	1.45
14	a	1134	CLA	C1D-C2D	2.21	1.49	1.45
14	b	1232	CLA	C1D-C2D	2.21	1.49	1.45
21	b	6002	LMT	O3B-C3B	-2.21	1.37	1.43
21	B	6002	LMT	O3B-C3B	-2.21	1.37	1.43
14	G	1013	CLA	C3B-C4B	2.21	1.49	1.42
14	a	1141	CLA	C4C-C3C	2.21	1.48	1.45
21	G	6003	LMT	O2B-C2B	-2.21	1.37	1.43
14	B	1214	CLA	C4C-C3C	2.21	1.48	1.45
14	B	1232	CLA	C1D-C2D	2.21	1.49	1.45
14	l	1503	CLA	C1B-C2B	2.20	1.48	1.43
21	B	6001	LMT	O2B-C2B	-2.20	1.37	1.43
21	L	6101	LMT	O2'-C2'	-2.20	1.37	1.43
21	V	6000	LMT	O1'-C1'	-2.20	1.36	1.40
14	B	1236	CLA	C4B-NB	-2.20	1.35	1.37
14	G	1141	CLA	C4C-C3C	2.20	1.48	1.45
14	G	1134	CLA	C4B-NB	-2.20	1.35	1.37
14	a	1013	CLA	C3B-C4B	2.20	1.49	1.42
14	H	1216	CLA	C4C-C3C	2.20	1.48	1.45
14	H	1232	CLA	C1D-C2D	2.20	1.49	1.45
21	H	6003	LMT	O3B-C3B	-2.20	1.37	1.43
15	b	1219	F6C	MG-ND	-2.20	2.01	2.06
21	b	6001	LMT	O2B-C2B	-2.20	1.37	1.43
14	A	1134	CLA	C4B-NB	-2.19	1.35	1.37
14	a	1112	CLA	C1D-C2D	2.19	1.49	1.45
14	A	1134	CLA	C1D-C2D	2.19	1.49	1.45
21	M	6000	LMT	O1'-C1'	-2.19	1.36	1.40
14	G	1136	CLA	C1A-CHA	2.19	1.52	1.43
14	a	1116	CLA	C3B-C4B	2.19	1.49	1.42
21	b	6004	LMT	O2B-C2B	-2.19	1.37	1.43
14	H	1208	CLA	C1D-C2D	2.19	1.49	1.45
14	G	1132	CLA	C1B-C2B	2.19	1.48	1.43
21	m	6000	LMT	O1'-C1'	-2.18	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	1219	F6C	MG-ND	-2.18	2.01	2.06
21	l	6101	LMT	O1'-C1'	-2.18	1.36	1.40
14	L	1503	CLA	C1B-C2B	2.18	1.48	1.43
14	U	1503	CLA	C1B-C2B	2.18	1.48	1.43
14	b	1240	CLA	C4C-C3C	2.18	1.48	1.45
14	a	1103	CLA	C1D-C2D	2.18	1.49	1.45
15	H	1219	F6C	C1A-C2A	2.18	1.50	1.45
14	G	1138	CLA	C1A-CHA	2.18	1.52	1.43
14	A	1138	CLA	C1A-CHA	2.17	1.52	1.43
14	A	1103	CLA	C1D-C2D	2.17	1.49	1.45
14	a	1138	CLA	C1A-CHA	2.17	1.52	1.43
21	B	6004	LMT	O3B-C3B	-2.17	1.37	1.43
14	b	1208	CLA	C1D-C2D	2.17	1.49	1.45
14	A	1116	CLA	C3B-C4B	2.17	1.49	1.42
14	A	1136	CLA	C1A-CHA	2.17	1.52	1.43
14	a	1114	CLA	C4C-C3C	2.17	1.48	1.45
14	b	1217	CLA	C1A-CHA	2.17	1.52	1.43
15	H	1219	F6C	MG-ND	-2.17	2.01	2.06
14	G	1116	CLA	C3B-C4B	2.17	1.49	1.42
14	A	1112	CLA	C1D-C2D	2.17	1.49	1.45
14	B	1208	CLA	C1D-C2D	2.17	1.49	1.45
14	G	1117	CLA	C1B-C2B	2.17	1.48	1.43
14	G	1103	CLA	C1D-C2D	2.17	1.49	1.45
14	G	1101	CLA	C4C-C3C	2.17	1.48	1.45
15	b	1238	F6C	CMB-C2B	2.17	1.50	1.45
21	H	6001	LMT	O3B-C3B	-2.17	1.37	1.43
21	H	6004	LMT	O3B-C3B	-2.17	1.37	1.43
21	b	6004	LMT	O3B-C3B	-2.17	1.37	1.43
21	B	6003	LMT	O3B-C3B	-2.16	1.37	1.43
14	A	1114	CLA	C4C-C3C	2.16	1.48	1.45
21	U	6101	LMT	O2'-C2'	-2.16	1.37	1.43
14	a	1132	CLA	C1B-C2B	2.16	1.48	1.43
21	b	6003	LMT	O3B-C3B	-2.16	1.37	1.43
14	G	1112	CLA	C1D-C2D	2.16	1.49	1.45
21	B	6004	LMT	O2B-C2B	-2.16	1.37	1.43
14	a	1134	CLA	C4B-NB	-2.16	1.35	1.37
14	B	1217	CLA	C1A-CHA	2.16	1.52	1.43
14	A	1132	CLA	C1B-C2B	2.16	1.48	1.43
21	B	6001	LMT	O3B-C3B	-2.16	1.37	1.43
14	B	1211	CLA	C4C-C3C	2.16	1.48	1.45
15	b	1219	F6C	C1A-C2A	2.16	1.50	1.45
14	a	1136	CLA	C1A-CHA	2.16	1.52	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1236	CLA	C4B-NB	-2.16	1.35	1.37
14	H	1213	CLA	C1D-C2D	2.15	1.49	1.45
15	B	1219	F6C	C1A-C2A	2.15	1.50	1.45
21	U	6101	LMT	O1'-C1'	-2.15	1.36	1.40
14	G	1141	CLA	C1A-CHA	2.15	1.52	1.43
14	A	1141	CLA	C1A-CHA	2.15	1.52	1.43
15	G	1121	F6C	C4D-CHA	2.15	1.48	1.42
14	B	1240	CLA	C4C-C3C	2.15	1.48	1.45
21	A	6004	LMT	O2'-C2'	-2.15	1.37	1.43
14	a	1117	CLA	C1B-C2B	2.15	1.48	1.43
14	H	1217	CLA	C1A-CHA	2.15	1.51	1.43
14	a	1141	CLA	C1A-CHA	2.15	1.51	1.43
14	a	1101	CLA	C4B-NB	-2.15	1.35	1.37
15	H	1238	F6C	CMB-C2B	2.15	1.50	1.45
14	H	1214	CLA	C1D-C2D	2.15	1.49	1.45
21	b	6001	LMT	O3B-C3B	-2.15	1.37	1.43
14	b	1211	CLA	C4C-C3C	2.15	1.48	1.45
15	B	1238	F6C	CMB-C2B	2.15	1.50	1.45
14	G	1140	CLA	C3B-C4B	2.14	1.49	1.42
14	B	1213	CLA	C1D-C2D	2.14	1.49	1.45
21	L	6101	LMT	O1'-C1'	-2.14	1.36	1.40
14	K	1401	CLA	C1D-C2D	2.14	1.49	1.45
21	i	6001	LMT	O2B-C2B	-2.14	1.37	1.43
14	A	1140	CLA	C3B-C4B	2.14	1.49	1.42
14	a	1140	CLA	C3B-C4B	2.14	1.49	1.42
21	I	6001	LMT	O2B-C2B	-2.14	1.37	1.43
14	H	1204	CLA	C4C-C3C	2.14	1.48	1.45
14	H	1224	CLA	C1B-C2B	2.14	1.48	1.43
20	B	5002	LMG	O1-C1	2.14	1.43	1.40
21	H	6004	LMT	O2B-C2B	-2.14	1.37	1.43
20	b	5002	LMG	O1-C1	2.14	1.43	1.40
14	b	1214	CLA	C1D-C2D	2.13	1.49	1.45
15	A	1121	F6C	C4D-CHA	2.13	1.48	1.42
14	G	1101	CLA	C4B-NB	-2.13	1.35	1.37
14	b	1213	CLA	C1D-C2D	2.13	1.49	1.45
21	a	6004	LMT	O2'-C2'	-2.13	1.37	1.43
14	B	1214	CLA	C1D-C2D	2.13	1.49	1.45
14	b	1224	CLA	C1B-C2B	2.13	1.48	1.43
14	A	1102	CLA	C1C-C2C	2.13	1.48	1.44
14	G	1102	CLA	C1C-C2C	2.13	1.48	1.44
15	G	1121	F6C	C4B-NB	-2.13	1.34	1.37
14	H	1211	CLA	C4C-C3C	2.13	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1101	CLA	C1D-C2D	2.13	1.49	1.45
14	B	1224	CLA	C1B-C2B	2.13	1.48	1.43
14	b	1204	CLA	C4C-C3C	2.13	1.48	1.45
14	G	1013	CLA	C1A-CHA	2.13	1.51	1.43
21	R	6001	LMT	O2B-C2B	-2.13	1.37	1.43
14	A	1117	CLA	C1B-C2B	2.13	1.48	1.43
14	T	1401	CLA	C1D-C2D	2.13	1.49	1.45
18	i	4018	BCR	C30-C25	-2.13	1.51	1.53
14	b	1227	CLA	C1D-C2D	2.13	1.49	1.45
14	a	1102	CLA	C1C-C2C	2.13	1.48	1.44
14	B	1204	CLA	C4C-C3C	2.13	1.48	1.45
21	a	6004	LMT	O1'-C1'	-2.12	1.36	1.40
14	a	1108	CLA	C4C-C3C	2.12	1.48	1.45
14	B	1218	CLA	C1D-C2D	2.12	1.49	1.45
14	a	1013	CLA	C1A-CHA	2.12	1.51	1.43
15	H	1219	F6C	C1C-C2C	2.12	1.48	1.43
14	G	1141	CLA	C1D-C2D	2.12	1.49	1.45
21	A	6004	LMT	O1'-C1'	-2.12	1.36	1.40
14	H	1227	CLA	C1D-C2D	2.12	1.49	1.45
14	A	1108	CLA	C4C-C3C	2.12	1.48	1.45
14	A	1139	CLA	C4B-NB	-2.12	1.35	1.37
14	A	1113	CLA	C3B-C4B	2.12	1.48	1.42
14	a	1113	CLA	C3B-C4B	2.12	1.48	1.42
14	A	1141	CLA	C1D-C2D	2.12	1.49	1.45
14	B	1227	CLA	C1D-C2D	2.12	1.49	1.45
14	a	1139	CLA	C4B-NB	-2.12	1.35	1.37
14	G	1114	CLA	C4C-C3C	2.12	1.48	1.45
14	A	1013	CLA	C1A-CHA	2.11	1.51	1.43
14	B	1232	CLA	C4C-C3C	2.11	1.48	1.45
21	G	6004	LMT	O2'-C2'	-2.11	1.37	1.43
14	H	1240	CLA	C4C-C3C	2.11	1.48	1.45
15	b	1219	F6C	C1C-C2C	2.11	1.48	1.43
15	a	1121	F6C	C4D-CHA	2.11	1.48	1.42
14	A	1101	CLA	C4B-NB	-2.11	1.35	1.37
14	k	1401	CLA	C1D-C2D	2.11	1.49	1.45
14	G	1101	CLA	C1D-C2D	2.11	1.49	1.45
15	H	1230	F6C	C4C-NC	-2.11	1.35	1.37
14	H	1232	CLA	C4C-C3C	2.11	1.48	1.45
14	b	1232	CLA	C1A-CHA	2.11	1.51	1.43
14	a	1136	CLA	C3B-C4B	2.10	1.48	1.42
15	B	1219	F6C	C1C-C2C	2.10	1.48	1.43
15	b	1230	F6C	C4C-NC	-2.10	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1113	CLA	C3B-C4B	2.10	1.48	1.42
14	G	1136	CLA	C1B-C2B	2.10	1.48	1.43
14	b	1218	CLA	C1D-C2D	2.10	1.49	1.45
14	H	1218	CLA	C1D-C2D	2.10	1.49	1.45
15	a	1121	F6C	C4B-NB	-2.10	1.34	1.37
14	a	1141	CLA	C1D-C2D	2.10	1.49	1.45
20	H	5002	LMG	O1-C1	2.10	1.43	1.40
14	a	1101	CLA	C1D-C2D	2.10	1.49	1.45
15	A	1121	F6C	C4B-NB	-2.10	1.34	1.37
14	B	1232	CLA	C1A-CHA	2.10	1.51	1.43
18	I	4018	BCR	C30-C25	-2.10	1.51	1.53
18	R	4018	BCR	C30-C25	-2.09	1.51	1.53
14	G	1136	CLA	C3B-C4B	2.09	1.48	1.42
14	H	1221	CLA	C1A-CHA	2.09	1.51	1.43
14	b	1202	CLA	C3B-C4B	2.09	1.48	1.42
14	b	1231	CLA	C3B-C4B	2.09	1.48	1.42
15	B	1207	F6C	C4D-CHA	2.09	1.48	1.42
14	b	1210	CLA	C3B-C4B	2.09	1.48	1.42
14	H	1232	CLA	C1A-CHA	2.09	1.51	1.43
15	B	1230	F6C	C4B-NB	-2.09	1.34	1.37
14	b	1201	CLA	C1A-CHA	2.09	1.51	1.43
14	a	1112	CLA	C1A-CHA	2.09	1.51	1.43
14	B	1202	CLA	C3B-C4B	2.09	1.48	1.42
14	A	1136	CLA	C1B-C2B	2.09	1.48	1.43
15	b	1237	F6C	CHB-C4A	-2.09	1.34	1.38
21	I	6001	LMT	O4'-C4B	-2.09	1.37	1.43
14	b	1220	CLA	C1D-C2D	2.09	1.49	1.45
14	G	1108	CLA	C4C-C3C	2.09	1.48	1.45
14	b	1232	CLA	C4C-C3C	2.09	1.48	1.45
14	a	1139	CLA	C4C-C3C	2.08	1.48	1.45
14	b	1234	CLA	C4C-C3C	2.08	1.48	1.45
14	B	1221	CLA	C1A-CHA	2.08	1.51	1.43
14	A	1136	CLA	C3B-C4B	2.08	1.48	1.42
14	b	1221	CLA	C1A-CHA	2.08	1.51	1.43
14	B	1231	CLA	C3B-C4B	2.08	1.48	1.42
14	b	1234	CLA	C3B-C4B	2.08	1.48	1.42
21	G	6004	LMT	O1'-C1'	-2.08	1.36	1.40
14	A	1132	CLA	C1D-C2D	2.08	1.49	1.45
14	b	1235	CLA	C1D-C2D	2.08	1.49	1.45
14	B	1210	CLA	C3B-C4B	2.08	1.48	1.42
14	G	1132	CLA	C1D-C2D	2.08	1.49	1.45
14	B	1235	CLA	C1D-C2D	2.08	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1234	CLA	C3B-C4B	2.08	1.48	1.42
14	H	1201	CLA	C1A-CHA	2.08	1.51	1.43
21	U	6101	LMT	O3B-C3B	-2.08	1.37	1.43
21	i	6001	LMT	O4'-C4B	-2.08	1.37	1.43
14	H	1235	CLA	C1D-C2D	2.08	1.49	1.45
21	L	6101	LMT	O3B-C3B	-2.08	1.37	1.43
14	a	1120	CLA	C1A-CHA	2.08	1.51	1.43
14	B	1201	CLA	C1A-CHA	2.08	1.51	1.43
21	b	6002	LMT	O4'-C4B	-2.08	1.37	1.43
21	l	6101	LMT	O3B-C3B	-2.08	1.37	1.43
15	H	1230	F6C	C4B-NB	-2.08	1.34	1.37
15	B	1230	F6C	C4C-NC	-2.08	1.35	1.37
15	b	1230	F6C	C4B-NB	-2.07	1.34	1.37
14	H	1231	CLA	C3B-C4B	2.07	1.48	1.42
14	B	1234	CLA	C4C-C3C	2.07	1.48	1.45
15	H	1219	F6C	C4D-CHA	2.07	1.48	1.42
14	G	1139	CLA	C4B-NB	-2.07	1.35	1.37
21	H	6002	LMT	O4'-C4B	-2.07	1.37	1.43
15	B	1237	F6C	CHB-C4A	-2.07	1.34	1.38
21	l	6101	LMT	O2B-C2B	-2.07	1.37	1.43
14	G	1110	CLA	C1D-C2D	2.07	1.49	1.45
14	B	1201	CLA	C3B-C4B	2.07	1.48	1.42
14	A	1112	CLA	C1A-CHA	2.07	1.51	1.43
15	H	1230	F6C	C4D-CHA	2.07	1.48	1.42
15	b	1207	F6C	C4D-CHA	2.07	1.47	1.42
14	G	1102	CLA	C4C-C3C	2.07	1.48	1.45
14	G	1112	CLA	C1A-CHA	2.07	1.51	1.43
14	B	1233	CLA	C4B-NB	-2.07	1.35	1.37
14	G	1114	CLA	C3B-C4B	2.07	1.48	1.42
14	H	1202	CLA	C3B-C4B	2.07	1.48	1.42
14	H	1210	CLA	C3B-C4B	2.07	1.48	1.42
14	a	1136	CLA	C1B-C2B	2.07	1.48	1.43
14	G	1117	CLA	C1A-CHA	2.07	1.51	1.43
15	H	1207	F6C	C4D-CHA	2.07	1.47	1.42
14	B	1220	CLA	C1D-C2D	2.06	1.49	1.45
15	b	1219	F6C	C4D-CHA	2.06	1.47	1.42
14	H	1234	CLA	C4C-C3C	2.06	1.48	1.45
14	A	1117	CLA	C1A-CHA	2.06	1.51	1.43
14	A	1116	CLA	C1D-C2D	2.06	1.49	1.45
14	b	1210	CLA	C4C-C3C	2.06	1.48	1.45
14	H	1220	CLA	C1D-C2D	2.06	1.49	1.45
18	R	4020	BCR	C31-C1	-2.06	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	1117	CLA	C1A-CHA	2.06	1.51	1.43
21	R	6001	LMT	O4'-C4B	-2.06	1.37	1.43
15	B	1230	F6C	C4D-CHA	2.06	1.47	1.42
14	A	1114	CLA	C3B-C4B	2.06	1.48	1.42
14	b	1201	CLA	C3B-C4B	2.06	1.48	1.42
21	B	6002	LMT	O4'-C4B	-2.06	1.37	1.43
21	L	6101	LMT	O2B-C2B	-2.06	1.37	1.43
14	A	1102	CLA	C4C-C3C	2.06	1.48	1.45
14	b	1233	CLA	C4B-NB	-2.06	1.35	1.37
21	m	6000	LMT	O4'-C4B	-2.06	1.37	1.43
14	H	1201	CLA	C3B-C4B	2.06	1.48	1.42
21	M	6000	LMT	O4'-C4B	-2.05	1.37	1.43
14	B	1234	CLA	C3B-C4B	2.05	1.48	1.42
14	A	1120	CLA	C1A-CHA	2.05	1.51	1.43
14	a	1126	CLA	CHB-C4A	-2.05	1.32	1.37
21	U	6101	LMT	O2B-C2B	-2.05	1.37	1.43
14	A	1126	CLA	CHB-C4A	-2.05	1.32	1.37
14	a	1122	CLA	C1A-CHA	2.05	1.51	1.43
14	G	1116	CLA	C1D-C2D	2.05	1.49	1.45
14	H	1201	CLA	C1D-C2D	2.05	1.49	1.45
14	B	1210	CLA	C4C-C3C	2.05	1.48	1.45
14	b	1209	CLA	C3B-C4B	2.05	1.48	1.42
18	I	4020	BCR	C31-C1	-2.05	1.49	1.53
15	B	1219	F6C	C4D-CHA	2.05	1.47	1.42
14	H	1233	CLA	C4B-NB	-2.05	1.35	1.37
18	b	4014	BCR	C30-C25	-2.05	1.51	1.53
14	A	1139	CLA	C4C-C3C	2.05	1.48	1.45
14	a	1102	CLA	C4C-C3C	2.05	1.48	1.45
14	a	1105	CLA	C4C-C3C	2.05	1.48	1.45
14	B	1209	CLA	C1D-C2D	2.05	1.49	1.45
14	a	1114	CLA	C3B-C4B	2.05	1.48	1.42
14	H	1239	CLA	C1D-C2D	2.05	1.49	1.45
14	G	1131	CLA	C1A-CHA	2.05	1.51	1.43
14	A	1134	CLA	C1A-CHA	2.05	1.51	1.43
14	b	1215	CLA	C1A-CHA	2.05	1.51	1.43
15	H	1219	F6C	C4C-C3C	2.04	1.48	1.44
14	a	1132	CLA	C1D-C2D	2.04	1.49	1.45
14	B	1209	CLA	C3B-C4B	2.04	1.48	1.42
14	a	1130	CLA	C1A-CHA	2.04	1.51	1.43
14	a	1124	CLA	C1A-CHA	2.04	1.51	1.43
14	a	1116	CLA	C1D-C2D	2.04	1.49	1.45
14	H	1240	CLA	C3B-C4B	2.04	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1122	CLA	C1A-CHA	2.04	1.51	1.43
14	G	1120	CLA	C1A-CHA	2.04	1.51	1.43
15	H	1237	F6C	CHB-C4A	-2.04	1.34	1.38
14	b	1211	CLA	C1C-C2C	2.04	1.48	1.44
14	G	1139	CLA	C4C-C3C	2.04	1.48	1.45
14	H	1215	CLA	C1A-CHA	2.04	1.51	1.43
14	G	1126	CLA	CHB-C4A	-2.04	1.32	1.37
14	G	1122	CLA	C1A-CHA	2.04	1.51	1.43
14	b	1213	CLA	C1A-CHA	2.04	1.51	1.43
14	a	1134	CLA	C1A-CHA	2.04	1.51	1.43
14	b	1212	CLA	C1A-CHA	2.04	1.51	1.43
14	a	1117	CLA	C1D-C2D	2.03	1.49	1.45
14	H	1213	CLA	C1A-CHA	2.03	1.51	1.43
18	B	4014	BCR	C30-C25	-2.03	1.51	1.53
18	H	4009	BCR	C30-C25	-2.03	1.51	1.53
14	b	1223	CLA	C3B-C4B	2.03	1.48	1.42
14	B	1215	CLA	C1A-CHA	2.03	1.51	1.43
14	b	1209	CLA	C1D-C2D	2.03	1.49	1.45
14	b	1239	CLA	C1D-C2D	2.03	1.49	1.45
14	A	1131	CLA	C1A-CHA	2.03	1.51	1.43
15	B	1219	F6C	C4C-C3C	2.03	1.48	1.44
14	G	1126	CLA	C1B-C2B	2.03	1.47	1.43
14	H	1213	CLA	C3B-C4B	2.03	1.48	1.42
14	G	1130	CLA	C1A-CHA	2.03	1.51	1.43
14	H	1212	CLA	C1A-CHA	2.03	1.51	1.43
14	H	1211	CLA	C1C-C2C	2.03	1.48	1.44
14	A	1110	CLA	C1D-C2D	2.03	1.49	1.45
15	b	1237	F6C	CMB-C2B	2.03	1.49	1.45
14	A	1109	CLA	C4C-C3C	2.03	1.48	1.45
14	H	1222	CLA	C1A-CHA	2.03	1.51	1.43
14	a	1141	CLA	C3B-C4B	2.03	1.48	1.42
21	b	6003	LMT	C3'-C2'	2.03	1.57	1.52
14	G	1134	CLA	C1A-CHA	2.03	1.51	1.43
14	a	1131	CLA	C1A-CHA	2.03	1.51	1.43
14	b	1209	CLA	C4C-C3C	2.03	1.48	1.45
14	A	1124	CLA	C1A-CHA	2.03	1.51	1.43
14	A	1130	CLA	C1A-CHA	2.03	1.51	1.43
14	B	1239	CLA	C1D-C2D	2.03	1.49	1.45
14	B	1240	CLA	C3B-C4B	2.03	1.48	1.42
21	V	6000	LMT	O4'-C4B	-2.03	1.37	1.43
15	b	1230	F6C	C4D-CHA	2.03	1.47	1.42
14	B	1223	CLA	C3B-C4B	2.03	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1213	CLA	C1A-CHA	2.02	1.51	1.43
14	a	1109	CLA	C4C-C3C	2.02	1.48	1.45
14	H	1209	CLA	C3B-C4B	2.02	1.48	1.42
14	b	1222	CLA	C1A-CHA	2.02	1.51	1.43
14	H	1239	CLA	C1A-CHA	2.02	1.51	1.43
14	B	1201	CLA	C1D-C2D	2.02	1.49	1.45
21	i	6001	LMT	O1'-C1'	-2.02	1.36	1.40
14	G	1109	CLA	C4C-C3C	2.02	1.48	1.45
14	b	1206	CLA	C1A-CHA	2.02	1.51	1.43
14	b	1213	CLA	C3B-C4B	2.02	1.48	1.42
14	a	1133	CLA	C1A-CHA	2.02	1.51	1.43
14	a	1110	CLA	C1D-C2D	2.02	1.49	1.45
14	H	1210	CLA	C4C-C3C	2.02	1.48	1.45
14	b	1240	CLA	C3B-C4B	2.02	1.48	1.42
14	G	1111	CLA	C3B-C4B	2.02	1.48	1.42
14	B	1212	CLA	C1A-CHA	2.02	1.51	1.43
14	B	1213	CLA	C3B-C4B	2.02	1.48	1.42
14	A	1105	CLA	C4C-C3C	2.02	1.48	1.45
14	B	1222	CLA	C1A-CHA	2.02	1.51	1.43
14	G	1141	CLA	C3B-C4B	2.02	1.48	1.42
21	b	6001	LMT	O4'-C4B	-2.02	1.38	1.43
14	T	1401	CLA	C1A-CHA	2.02	1.51	1.43
14	B	1209	CLA	C4C-C3C	2.02	1.48	1.45
14	A	1102	CLA	C1A-CHA	2.02	1.51	1.43
14	H	1206	CLA	C1A-CHA	2.02	1.51	1.43
14	G	1124	CLA	C1A-CHA	2.02	1.51	1.43
15	B	1237	F6C	CMB-C2B	2.02	1.49	1.45
14	B	1206	CLA	C1A-CHA	2.01	1.51	1.43
14	a	1139	CLA	C1A-CHA	2.01	1.51	1.43
14	A	1141	CLA	C3B-C4B	2.01	1.48	1.42
14	a	1111	CLA	C4C-C3C	2.01	1.48	1.45
14	A	1117	CLA	C1D-C2D	2.01	1.49	1.45
21	B	6001	LMT	O4'-C4B	-2.01	1.38	1.43
15	H	1238	F6C	C1C-C2C	2.01	1.47	1.43
14	B	1211	CLA	C1C-C2C	2.01	1.48	1.44
14	a	1102	CLA	C1A-CHA	2.01	1.51	1.43
14	A	1139	CLA	C1A-CHA	2.01	1.51	1.43
14	b	1223	CLA	C1A-CHA	2.01	1.51	1.43
15	H	1237	F6C	CMB-C2B	2.01	1.49	1.45
14	H	1214	CLA	CHB-C4A	-2.01	1.32	1.37
14	G	1139	CLA	C1A-CHA	2.01	1.51	1.43
14	A	1133	CLA	C1A-CHA	2.01	1.51	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1216	CLA	C3B-C4B	2.01	1.48	1.42
14	a	1106	CLA	C1D-C2D	2.01	1.49	1.45
14	A	1126	CLA	C1B-C2B	2.01	1.47	1.43
14	G	1118	CLA	C1A-CHA	2.01	1.51	1.43
14	A	1111	CLA	C3B-C4B	2.01	1.48	1.42
14	H	1223	CLA	C3B-C4B	2.01	1.48	1.42
14	G	1117	CLA	C1D-C2D	2.01	1.49	1.45
14	K	1401	CLA	C1A-CHA	2.00	1.51	1.43
18	i	4020	BCR	C31-C1	-2.00	1.50	1.53
21	A	6003	LMT	O4'-C4B	-2.00	1.38	1.43
14	G	1139	CLA	C1C-C2C	2.00	1.48	1.44
14	G	1111	CLA	C4C-C3C	2.00	1.48	1.45
21	B	6003	LMT	C3'-C2'	2.00	1.57	1.52
14	a	1111	CLA	C3B-C4B	2.00	1.48	1.42
14	b	1239	CLA	C1A-CHA	2.00	1.51	1.43

All (8583) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	i	4020	BCR	C20-C21-C22	27.72	166.15	127.28
18	I	4020	BCR	C20-C21-C22	27.70	166.13	127.28
18	R	4020	BCR	C20-C21-C22	27.68	166.10	127.28
18	b	4010	BCR	C16-C17-C18	27.61	166.00	127.28
18	H	4010	BCR	C16-C17-C18	27.59	165.97	127.28
18	B	4010	BCR	C16-C17-C18	27.59	165.97	127.28
18	A	4003	BCR	C20-C21-C22	26.45	164.37	127.28
18	a	4003	BCR	C20-C21-C22	26.45	164.37	127.28
18	G	4003	BCR	C20-C21-C22	26.43	164.34	127.28
18	b	4017	BCR	C20-C21-C22	26.32	164.19	127.28
18	H	4017	BCR	C20-C21-C22	26.31	164.17	127.28
18	B	4017	BCR	C20-C21-C22	26.28	164.13	127.28
18	G	4004	BCR	C16-C17-C18	24.43	161.54	127.28
18	A	4004	BCR	C16-C17-C18	24.41	161.51	127.28
18	a	4004	BCR	C16-C17-C18	24.40	161.50	127.28
18	i	4018	BCR	C16-C17-C18	23.56	160.32	127.28
18	I	4018	BCR	C16-C17-C18	23.55	160.30	127.28
18	R	4018	BCR	C16-C17-C18	23.53	160.27	127.28
18	B	4006	BCR	C20-C21-C22	23.10	159.68	127.28
18	H	4006	BCR	C20-C21-C22	23.10	159.67	127.28
18	b	4006	BCR	C20-C21-C22	23.10	159.67	127.28
18	K	4001	BCR	C20-C21-C22	23.04	159.59	127.28
18	T	4001	BCR	C20-C21-C22	23.02	159.56	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	k	4001	BCR	C20-C21-C22	22.99	159.52	127.28
18	M	4021	BCR	C20-C21-C22	22.86	159.33	127.28
18	m	4021	BCR	C20-C21-C22	22.85	159.32	127.28
18	V	4021	BCR	C20-C21-C22	22.82	159.29	127.28
18	b	4014	BCR	C20-C21-C22	22.54	158.89	127.28
18	B	4014	BCR	C20-C21-C22	22.53	158.88	127.28
18	H	4014	BCR	C20-C21-C22	22.53	158.88	127.28
18	a	4004	BCR	C20-C21-C22	22.52	158.86	127.28
18	A	4004	BCR	C20-C21-C22	22.47	158.79	127.28
18	G	4004	BCR	C20-C21-C22	22.46	158.77	127.28
18	a	4001	BCR	C16-C17-C18	22.33	158.60	127.28
18	A	4001	BCR	C16-C17-C18	22.31	158.57	127.28
18	G	4001	BCR	C16-C17-C18	22.29	158.54	127.28
18	a	4006	BCR	C16-C17-C18	22.21	158.42	127.28
18	A	4006	BCR	C16-C17-C18	22.18	158.39	127.28
18	G	4006	BCR	C16-C17-C18	22.17	158.37	127.28
18	G	4001	BCR	C20-C21-C22	22.15	158.34	127.28
18	a	4001	BCR	C20-C21-C22	22.14	158.34	127.28
18	A	4001	BCR	C20-C21-C22	22.13	158.32	127.28
18	H	4010	BCR	C20-C21-C22	21.88	157.96	127.28
18	G	4002	BCR	C16-C17-C18	21.87	157.95	127.28
18	a	4002	BCR	C16-C17-C18	21.86	157.94	127.28
18	b	4010	BCR	C20-C21-C22	21.85	157.93	127.28
18	A	4002	BCR	C16-C17-C18	21.84	157.91	127.28
18	B	4010	BCR	C20-C21-C22	21.84	157.91	127.28
18	B	4004	BCR	C20-C21-C22	21.74	157.76	127.28
18	H	4004	BCR	C20-C21-C22	21.72	157.73	127.28
18	b	4004	BCR	C20-C21-C22	21.70	157.72	127.28
18	B	4014	BCR	C15-C16-C17	21.69	167.91	123.52
18	H	4014	BCR	C15-C16-C17	21.69	167.90	123.52
18	b	4014	BCR	C15-C16-C17	21.67	167.85	123.52
18	b	4006	BCR	C16-C17-C18	21.59	157.56	127.28
18	B	4006	BCR	C16-C17-C18	21.58	157.54	127.28
18	H	4006	BCR	C16-C17-C18	21.57	157.53	127.28
18	H	4009	BCR	C16-C17-C18	21.45	157.37	127.28
18	B	4009	BCR	C16-C17-C18	21.44	157.34	127.28
18	b	4009	BCR	C16-C17-C18	21.41	157.31	127.28
18	M	4021	BCR	C15-C16-C17	21.35	167.21	123.52
18	m	4021	BCR	C15-C16-C17	21.35	167.21	123.52
18	V	4021	BCR	C15-C16-C17	21.35	167.21	123.52
18	B	4005	BCR	C20-C21-C22	21.25	157.08	127.28
18	b	4005	BCR	C20-C21-C22	21.24	157.07	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	H	4005	BCR	C20-C21-C22	21.23	157.05	127.28
18	H	4009	BCR	C20-C21-C22	20.79	156.43	127.28
18	B	4009	BCR	C20-C21-C22	20.77	156.40	127.28
18	I	4018	BCR	C20-C21-C22	20.76	156.39	127.28
18	b	4014	BCR	C16-C17-C18	20.76	156.39	127.28
18	i	4018	BCR	C20-C21-C22	20.75	156.38	127.28
18	b	4009	BCR	C20-C21-C22	20.75	156.38	127.28
18	B	4014	BCR	C16-C17-C18	20.75	156.38	127.28
18	H	4014	BCR	C16-C17-C18	20.73	156.35	127.28
18	R	4018	BCR	C20-C21-C22	20.72	156.33	127.28
18	a	4003	BCR	C16-C17-C18	20.69	156.30	127.28
18	A	4003	BCR	C16-C17-C18	20.68	156.28	127.28
18	G	4003	BCR	C16-C17-C18	20.67	156.27	127.28
18	b	4017	BCR	C16-C17-C18	20.64	156.22	127.28
18	B	4017	BCR	C16-C17-C18	20.60	156.17	127.28
18	H	4017	BCR	C16-C17-C18	20.56	156.11	127.28
18	L	4019	BCR	C20-C21-C22	20.53	156.08	127.28
18	l	4019	BCR	C20-C21-C22	20.51	156.05	127.28
18	U	4019	BCR	C20-C21-C22	20.51	156.04	127.28
18	I	4020	BCR	C16-C17-C18	20.47	155.99	127.28
18	i	4020	BCR	C16-C17-C18	20.46	155.97	127.28
18	K	4001	BCR	C16-C17-C18	20.45	155.96	127.28
18	R	4020	BCR	C16-C17-C18	20.44	155.94	127.28
18	T	4001	BCR	C16-C17-C18	20.43	155.94	127.28
18	k	4001	BCR	C16-C17-C18	20.42	155.92	127.28
18	H	4005	BCR	C15-C16-C17	20.39	165.25	123.52
18	b	4005	BCR	C15-C16-C17	20.39	165.24	123.52
18	K	4001	BCR	C15-C16-C17	20.39	165.23	123.52
18	T	4001	BCR	C15-C16-C17	20.39	165.23	123.52
18	B	4005	BCR	C15-C16-C17	20.38	165.23	123.52
18	G	4005	BCR	C15-C16-C17	20.38	165.22	123.52
18	a	4005	BCR	C15-C16-C17	20.38	165.21	123.52
18	k	4001	BCR	C15-C16-C17	20.37	165.20	123.52
18	A	4002	BCR	C20-C21-C22	20.36	155.82	127.28
18	A	4005	BCR	C15-C16-C17	20.35	165.16	123.52
18	G	4002	BCR	C20-C21-C22	20.32	155.78	127.28
18	a	4002	BCR	C20-C21-C22	20.31	155.76	127.28
18	l	4022	BCR	C20-C21-C22	20.30	155.75	127.28
18	A	4003	BCR	C15-C16-C17	20.29	165.04	123.52
18	a	4003	BCR	C15-C16-C17	20.29	165.03	123.52
18	G	4003	BCR	C15-C16-C17	20.29	165.03	123.52
18	L	4022	BCR	C20-C21-C22	20.28	155.72	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	U	4022	BCR	C20-C21-C22	20.27	155.70	127.28
18	L	4019	BCR	C16-C17-C18	20.23	155.64	127.28
18	I	4020	BCR	C15-C16-C17	20.22	164.89	123.52
18	R	4020	BCR	C15-C16-C17	20.21	164.88	123.52
18	l	4019	BCR	C16-C17-C18	20.21	155.62	127.28
18	i	4020	BCR	C15-C16-C17	20.21	164.87	123.52
18	b	4004	BCR	C15-C16-C17	20.21	164.86	123.52
18	H	4004	BCR	C15-C16-C17	20.20	164.86	123.52
18	U	4019	BCR	C16-C17-C18	20.20	155.61	127.28
18	B	4004	BCR	C15-C16-C17	20.20	164.85	123.52
18	L	4022	BCR	C15-C16-C17	20.15	164.75	123.52
18	l	4022	BCR	C15-C16-C17	20.14	164.74	123.52
18	U	4022	BCR	C15-C16-C17	20.14	164.72	123.52
18	A	4005	BCR	C20-C21-C22	20.12	155.50	127.28
18	a	4005	BCR	C20-C21-C22	20.11	155.49	127.28
18	G	4005	BCR	C20-C21-C22	20.09	155.46	127.28
18	b	4005	BCR	C16-C17-C18	20.08	155.44	127.28
18	B	4005	BCR	C16-C17-C18	20.05	155.40	127.28
18	H	4005	BCR	C16-C17-C18	20.03	155.37	127.28
18	a	4005	BCR	C16-C17-C18	19.98	155.30	127.28
18	G	4005	BCR	C16-C17-C18	19.96	155.28	127.28
18	A	4005	BCR	C16-C17-C18	19.95	155.26	127.28
18	a	4006	BCR	C20-C21-C22	19.79	155.03	127.28
18	L	4019	BCR	C15-C16-C17	19.79	164.00	123.52
18	l	4019	BCR	C15-C16-C17	19.77	163.97	123.52
18	A	4006	BCR	C20-C21-C22	19.76	154.99	127.28
18	U	4019	BCR	C15-C16-C17	19.76	163.95	123.52
18	G	4006	BCR	C20-C21-C22	19.75	154.98	127.28
18	b	4017	BCR	C15-C16-C17	19.70	163.84	123.52
18	B	4017	BCR	C15-C16-C17	19.69	163.81	123.52
18	H	4017	BCR	C15-C16-C17	19.66	163.75	123.52
18	B	4006	BCR	C15-C16-C17	19.54	163.49	123.52
18	b	4006	BCR	C15-C16-C17	19.54	163.49	123.52
18	H	4006	BCR	C15-C16-C17	19.54	163.49	123.52
14	a	1111	CLA	C4-C3-C5	-19.50	81.38	115.23
18	l	4022	BCR	C16-C17-C18	19.50	154.62	127.28
14	A	1111	CLA	C4-C3-C5	-19.49	81.40	115.23
18	L	4022	BCR	C16-C17-C18	19.48	154.59	127.28
18	H	4009	BCR	C15-C16-C17	19.47	163.36	123.52
14	G	1111	CLA	C4-C3-C5	-19.47	81.43	115.23
18	U	4022	BCR	C16-C17-C18	19.45	154.56	127.28
18	B	4009	BCR	C15-C16-C17	19.44	163.31	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4009	BCR	C15-C16-C17	19.43	163.27	123.52
18	H	4010	BCR	C10-C11-C12	19.22	178.90	123.20
18	B	4010	BCR	C10-C11-C12	19.21	178.87	123.20
18	b	4010	BCR	C10-C11-C12	19.20	178.84	123.20
18	a	4003	BCR	C10-C11-C12	19.17	178.76	123.20
18	A	4003	BCR	C10-C11-C12	19.17	178.74	123.20
18	G	4003	BCR	C10-C11-C12	19.17	178.74	123.20
18	a	4006	BCR	C15-C16-C17	18.92	162.24	123.52
18	A	4006	BCR	C15-C16-C17	18.90	162.20	123.52
18	G	4006	BCR	C15-C16-C17	18.90	162.19	123.52
18	b	4009	BCR	C10-C11-C12	18.87	177.89	123.20
18	B	4009	BCR	C10-C11-C12	18.86	177.85	123.20
18	H	4009	BCR	C10-C11-C12	18.85	177.81	123.20
18	a	4001	BCR	C10-C11-C12	18.75	177.54	123.20
18	b	4017	BCR	C10-C11-C12	18.74	177.51	123.20
18	A	4001	BCR	C10-C11-C12	18.74	177.51	123.20
18	H	4004	BCR	C10-C11-C12	18.74	177.50	123.20
18	B	4017	BCR	C10-C11-C12	18.74	177.50	123.20
18	H	4017	BCR	C10-C11-C12	18.74	177.50	123.20
18	B	4004	BCR	C10-C11-C12	18.73	177.47	123.20
18	G	4001	BCR	C10-C11-C12	18.73	177.46	123.20
18	b	4004	BCR	C10-C11-C12	18.72	177.44	123.20
18	b	4004	BCR	C16-C17-C18	18.68	153.48	127.28
18	H	4004	BCR	C16-C17-C18	18.68	153.47	127.28
18	B	4004	BCR	C16-C17-C18	18.67	153.47	127.28
18	R	4018	BCR	C10-C11-C12	18.57	177.00	123.20
18	i	4018	BCR	C10-C11-C12	18.55	176.95	123.20
18	I	4018	BCR	C10-C11-C12	18.55	176.94	123.20
18	l	4022	BCR	C10-C11-C12	18.53	176.90	123.20
18	L	4022	BCR	C10-C11-C12	18.53	176.90	123.20
18	U	4022	BCR	C10-C11-C12	18.53	176.89	123.20
18	V	4021	BCR	C10-C11-C12	18.53	176.89	123.20
18	M	4021	BCR	C10-C11-C12	18.52	176.87	123.20
18	m	4021	BCR	C10-C11-C12	18.52	176.85	123.20
18	a	4002	BCR	C10-C11-C12	18.48	176.75	123.20
18	A	4002	BCR	C10-C11-C12	18.48	176.74	123.20
18	G	4002	BCR	C10-C11-C12	18.47	176.73	123.20
18	G	4004	BCR	C10-C11-C12	18.43	176.62	123.20
18	A	4004	BCR	C10-C11-C12	18.42	176.58	123.20
18	R	4018	BCR	C15-C16-C17	18.42	161.22	123.52
18	a	4004	BCR	C10-C11-C12	18.40	176.52	123.20
18	i	4018	BCR	C15-C16-C17	18.40	161.16	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	I	4018	BCR	C15-C16-C17	18.39	161.15	123.52
18	b	4006	BCR	C10-C11-C12	18.34	176.35	123.20
18	B	4006	BCR	C10-C11-C12	18.34	176.34	123.20
18	H	4006	BCR	C10-C11-C12	18.34	176.34	123.20
18	T	4001	BCR	C10-C11-C12	18.31	176.27	123.20
18	K	4001	BCR	C10-C11-C12	18.31	176.25	123.20
18	k	4001	BCR	C10-C11-C12	18.30	176.24	123.20
18	i	4020	BCR	C10-C11-C12	18.21	175.96	123.20
18	I	4020	BCR	C10-C11-C12	18.21	175.95	123.20
18	R	4020	BCR	C10-C11-C12	18.20	175.95	123.20
18	B	4005	BCR	C10-C11-C12	18.10	175.64	123.20
18	H	4005	BCR	C10-C11-C12	18.09	175.63	123.20
18	b	4005	BCR	C10-C11-C12	18.09	175.62	123.20
18	a	4005	BCR	C10-C11-C12	18.00	175.37	123.20
18	A	4005	BCR	C10-C11-C12	17.99	175.32	123.20
18	G	4005	BCR	C10-C11-C12	17.98	175.31	123.20
18	G	4001	BCR	C15-C16-C17	17.83	159.99	123.52
18	A	4001	BCR	C15-C16-C17	17.82	159.98	123.52
18	a	4001	BCR	C15-C16-C17	17.80	159.95	123.52
18	l	4019	BCR	C10-C11-C12	17.78	174.71	123.20
18	H	4014	BCR	C10-C11-C12	17.76	174.67	123.20
18	L	4019	BCR	C10-C11-C12	17.76	174.67	123.20
18	U	4019	BCR	C10-C11-C12	17.75	174.64	123.20
18	B	4014	BCR	C10-C11-C12	17.75	174.63	123.20
18	b	4014	BCR	C10-C11-C12	17.75	174.62	123.20
14	a	1111	CLA	C4-C3-C2	-17.52	78.62	123.63
14	G	1111	CLA	C4-C3-C2	-17.52	78.63	123.63
14	A	1111	CLA	C4-C3-C2	-17.52	78.64	123.63
14	G	1111	CLA	C5-C3-C2	17.30	160.01	121.17
18	m	4021	BCR	C16-C17-C18	17.29	151.53	127.28
18	M	4021	BCR	C16-C17-C18	17.29	151.53	127.28
14	A	1111	CLA	C5-C3-C2	17.29	159.99	121.17
14	a	1111	CLA	C5-C3-C2	17.28	159.95	121.17
18	V	4021	BCR	C16-C17-C18	17.26	151.48	127.28
18	G	4006	BCR	C10-C11-C12	17.17	172.95	123.20
18	A	4006	BCR	C10-C11-C12	17.17	172.94	123.20
18	a	4006	BCR	C10-C11-C12	17.16	172.93	123.20
18	A	4002	BCR	C15-C16-C17	16.85	158.00	123.52
18	a	4002	BCR	C15-C16-C17	16.84	157.98	123.52
18	G	4002	BCR	C15-C16-C17	16.81	157.92	123.52
18	M	4021	BCR	C16-C15-C14	16.78	157.85	123.52
18	m	4021	BCR	C16-C15-C14	16.77	157.84	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	V	4021	BCR	C16-C15-C14	16.76	157.81	123.52
18	A	4004	BCR	C15-C16-C17	16.37	157.01	123.52
18	G	4004	BCR	C15-C16-C17	16.36	157.00	123.52
18	a	4004	BCR	C15-C16-C17	16.36	156.99	123.52
18	a	4002	BCR	C16-C15-C14	16.05	156.36	123.52
18	A	4002	BCR	C16-C15-C14	16.05	156.35	123.52
18	G	4002	BCR	C16-C15-C14	16.02	156.30	123.52
18	b	4010	BCR	C15-C16-C17	15.46	155.15	123.52
18	H	4010	BCR	C15-C16-C17	15.44	155.10	123.52
18	B	4010	BCR	C15-C16-C17	15.42	155.07	123.52
18	a	4006	BCR	C11-C10-C9	15.23	148.64	127.28
18	A	4006	BCR	C11-C10-C9	15.22	148.62	127.28
18	G	4006	BCR	C11-C10-C9	15.21	148.61	127.28
18	L	4019	BCR	C21-C20-C19	15.04	166.77	123.20
18	l	4019	BCR	C21-C20-C19	15.02	166.73	123.20
18	U	4019	BCR	C21-C20-C19	15.02	166.73	123.20
18	i	4018	BCR	C16-C15-C14	14.99	154.19	123.52
18	I	4018	BCR	C16-C15-C14	14.98	154.18	123.52
18	l	4019	BCR	C11-C10-C9	14.98	148.29	127.28
18	U	4019	BCR	C11-C10-C9	14.98	148.28	127.28
18	R	4018	BCR	C16-C15-C14	14.98	154.16	123.52
18	a	4001	BCR	C16-C15-C14	14.94	154.09	123.52
18	L	4019	BCR	C11-C10-C9	14.94	148.24	127.28
18	A	4001	BCR	C16-C15-C14	14.93	154.06	123.52
18	G	4001	BCR	C16-C15-C14	14.92	154.06	123.52
18	H	4004	BCR	C11-C10-C9	14.77	148.00	127.28
18	L	4022	BCR	C21-C20-C19	14.77	166.00	123.20
18	H	4005	BCR	C11-C10-C9	14.77	147.99	127.28
18	B	4004	BCR	C21-C20-C19	14.77	165.99	123.20
18	l	4022	BCR	C21-C20-C19	14.77	165.99	123.20
18	B	4005	BCR	C11-C10-C9	14.77	147.99	127.28
18	U	4022	BCR	C21-C20-C19	14.76	165.98	123.20
18	H	4004	BCR	C21-C20-C19	14.76	165.96	123.20
18	b	4005	BCR	C11-C10-C9	14.76	147.97	127.28
18	b	4004	BCR	C21-C20-C19	14.76	165.96	123.20
18	B	4004	BCR	C11-C10-C9	14.75	147.96	127.28
18	b	4004	BCR	C11-C10-C9	14.73	147.94	127.28
18	H	4010	BCR	C21-C20-C19	14.49	165.17	123.20
18	G	4001	BCR	C21-C20-C19	14.47	165.13	123.20
18	B	4010	BCR	C21-C20-C19	14.47	165.13	123.20
18	b	4010	BCR	C21-C20-C19	14.47	165.11	123.20
18	A	4001	BCR	C21-C20-C19	14.46	165.10	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	a	4001	BCR	C21-C20-C19	14.44	165.04	123.20
18	a	4005	BCR	C21-C20-C19	14.40	164.94	123.20
18	A	4005	BCR	C21-C20-C19	14.40	164.93	123.20
18	G	4005	BCR	C21-C20-C19	14.38	164.87	123.20
18	H	4014	BCR	C11-C10-C9	14.26	147.28	127.28
18	b	4014	BCR	C11-C10-C9	14.24	147.25	127.28
18	B	4014	BCR	C11-C10-C9	14.23	147.24	127.28
18	b	4009	BCR	C21-C20-C19	14.08	164.00	123.20
18	B	4009	BCR	C21-C20-C19	14.07	163.96	123.20
18	H	4009	BCR	C21-C20-C19	14.06	163.93	123.20
18	a	4005	BCR	C11-C10-C9	13.94	146.82	127.28
18	A	4005	BCR	C11-C10-C9	13.91	146.78	127.28
18	G	4005	BCR	C11-C10-C9	13.90	146.77	127.28
18	R	4018	BCR	C11-C10-C9	13.80	146.63	127.28
18	i	4018	BCR	C11-C10-C9	13.78	146.61	127.28
18	R	4020	BCR	C11-C10-C9	13.77	146.59	127.28
18	I	4020	BCR	C11-C10-C9	13.77	146.58	127.28
18	I	4018	BCR	C11-C10-C9	13.76	146.58	127.28
18	i	4020	BCR	C11-C10-C9	13.74	146.55	127.28
18	a	4003	BCR	C11-C10-C9	13.71	146.50	127.28
18	A	4003	BCR	C11-C10-C9	13.69	146.48	127.28
18	a	4003	BCR	C21-C20-C19	13.68	162.84	123.20
18	G	4003	BCR	C21-C20-C19	13.68	162.82	123.20
18	A	4003	BCR	C21-C20-C19	13.67	162.82	123.20
18	G	4003	BCR	C11-C10-C9	13.67	146.46	127.28
18	M	4021	BCR	C11-C10-C9	13.67	146.45	127.28
18	V	4021	BCR	C11-C10-C9	13.66	146.44	127.28
18	m	4021	BCR	C11-C10-C9	13.65	146.42	127.28
18	K	4001	BCR	C21-C20-C19	13.63	162.69	123.20
18	T	4001	BCR	C21-C20-C19	13.62	162.68	123.20
18	A	4002	BCR	C21-C20-C19	13.62	162.68	123.20
18	k	4001	BCR	C21-C20-C19	13.62	162.67	123.20
18	B	4010	BCR	C16-C15-C14	13.61	151.37	123.52
18	G	4002	BCR	C21-C20-C19	13.61	162.63	123.20
18	a	4002	BCR	C21-C20-C19	13.61	162.62	123.20
18	H	4010	BCR	C16-C15-C14	13.60	151.35	123.52
18	b	4010	BCR	C16-C15-C14	13.59	151.33	123.52
18	b	4005	BCR	C21-C20-C19	13.58	162.56	123.20
18	B	4005	BCR	C21-C20-C19	13.58	162.55	123.20
18	H	4005	BCR	C21-C20-C19	13.57	162.53	123.20
18	H	4010	BCR	C11-C10-C9	13.53	146.25	127.28
18	B	4010	BCR	C11-C10-C9	13.52	146.24	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4010	BCR	C11-C10-C9	13.49	146.19	127.28
18	a	4006	BCR	C16-C15-C14	13.42	150.98	123.52
18	a	4006	BCR	C21-C20-C19	13.41	162.07	123.20
18	A	4006	BCR	C16-C15-C14	13.40	150.95	123.52
18	A	4006	BCR	C21-C20-C19	13.40	162.02	123.20
18	G	4006	BCR	C16-C15-C14	13.40	150.93	123.52
18	G	4006	BCR	C21-C20-C19	13.39	162.00	123.20
18	b	4014	BCR	C21-C20-C19	13.39	162.00	123.20
18	B	4014	BCR	C21-C20-C19	13.38	161.97	123.20
18	H	4017	BCR	C21-C20-C19	13.38	161.97	123.20
18	H	4014	BCR	C21-C20-C19	13.38	161.97	123.20
18	B	4017	BCR	C21-C20-C19	13.38	161.96	123.20
18	b	4017	BCR	C21-C20-C19	13.38	161.96	123.20
18	H	4017	BCR	C11-C10-C9	13.17	145.74	127.28
18	H	4006	BCR	C21-C20-C19	13.16	161.34	123.20
18	B	4006	BCR	C21-C20-C19	13.16	161.34	123.20
18	B	4017	BCR	C11-C10-C9	13.16	145.73	127.28
18	b	4006	BCR	C21-C20-C19	13.14	161.28	123.20
18	b	4004	BCR	C16-C15-C14	13.13	150.38	123.52
18	G	4004	BCR	C16-C15-C14	13.13	150.38	123.52
18	b	4017	BCR	C11-C10-C9	13.13	145.69	127.28
18	B	4004	BCR	C16-C15-C14	13.12	150.37	123.52
18	H	4004	BCR	C16-C15-C14	13.12	150.37	123.52
18	A	4004	BCR	C16-C15-C14	13.11	150.35	123.52
18	a	4004	BCR	C16-C15-C14	13.11	150.35	123.52
18	G	4004	BCR	C11-C10-C9	13.11	145.67	127.28
18	A	4004	BCR	C11-C10-C9	13.09	145.64	127.28
18	H	4009	BCR	C16-C15-C14	13.06	150.24	123.52
18	a	4004	BCR	C11-C10-C9	13.05	145.59	127.28
18	B	4006	BCR	C11-C10-C9	13.05	145.58	127.28
18	H	4006	BCR	C11-C10-C9	13.05	145.58	127.28
18	b	4006	BCR	C11-C10-C9	13.05	145.58	127.28
18	B	4009	BCR	C16-C15-C14	13.03	150.18	123.52
18	b	4009	BCR	C16-C15-C14	13.01	150.15	123.52
18	l	4022	BCR	C11-C10-C9	12.82	145.25	127.28
18	L	4022	BCR	C11-C10-C9	12.81	145.24	127.28
18	U	4022	BCR	C11-C10-C9	12.79	145.22	127.28
18	a	4001	BCR	C11-C10-C9	12.79	145.22	127.28
18	A	4004	BCR	C21-C20-C19	12.78	160.24	123.20
18	B	4006	BCR	C16-C15-C14	12.78	149.66	123.52
18	A	4001	BCR	C11-C10-C9	12.77	145.19	127.28
18	b	4006	BCR	C16-C15-C14	12.77	149.65	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	a	4004	BCR	C21-C20-C19	12.77	160.21	123.20
18	G	4004	BCR	C21-C20-C19	12.77	160.20	123.20
18	H	4006	BCR	C16-C15-C14	12.75	149.61	123.52
18	G	4001	BCR	C11-C10-C9	12.75	145.16	127.28
18	a	4002	BCR	C11-C10-C9	12.63	144.99	127.28
18	A	4002	BCR	C11-C10-C9	12.60	144.94	127.28
18	G	4002	BCR	C11-C10-C9	12.56	144.89	127.28
18	i	4018	BCR	C21-C20-C19	12.51	159.44	123.20
18	I	4018	BCR	C21-C20-C19	12.50	159.43	123.20
18	R	4018	BCR	C21-C20-C19	12.49	159.40	123.20
18	m	4021	BCR	C21-C20-C19	12.49	159.38	123.20
18	M	4021	BCR	C21-C20-C19	12.49	159.38	123.20
18	V	4021	BCR	C21-C20-C19	12.47	159.33	123.20
18	H	4005	BCR	C16-C15-C14	12.46	149.01	123.52
18	B	4005	BCR	C16-C15-C14	12.45	149.00	123.52
18	b	4005	BCR	C16-C15-C14	12.45	148.99	123.52
18	a	4005	BCR	C16-C15-C14	12.41	148.92	123.52
18	G	4005	BCR	C16-C15-C14	12.41	148.92	123.52
18	A	4005	BCR	C16-C15-C14	12.39	148.86	123.52
18	i	4020	BCR	C16-C15-C14	12.37	148.82	123.52
18	I	4020	BCR	C16-C15-C14	12.36	148.80	123.52
18	R	4020	BCR	C16-C15-C14	12.34	148.77	123.52
18	B	4017	BCR	C16-C15-C14	12.33	148.75	123.52
18	b	4017	BCR	C16-C15-C14	12.32	148.74	123.52
18	H	4017	BCR	C16-C15-C14	12.32	148.73	123.52
18	L	4019	BCR	C16-C15-C14	12.29	148.68	123.52
18	K	4001	BCR	C16-C15-C14	12.28	148.66	123.52
18	U	4019	BCR	C16-C15-C14	12.28	148.65	123.52
18	T	4001	BCR	C16-C15-C14	12.28	148.64	123.52
18	l	4019	BCR	C16-C15-C14	12.28	148.64	123.52
18	k	4001	BCR	C16-C15-C14	12.27	148.63	123.52
18	l	4022	BCR	C16-C15-C14	12.25	148.59	123.52
18	L	4022	BCR	C16-C15-C14	12.25	148.58	123.52
18	G	4006	BCR	C11-C12-C13	12.24	159.93	126.36
18	U	4022	BCR	C16-C15-C14	12.24	148.56	123.52
18	A	4006	BCR	C11-C12-C13	12.22	159.87	126.36
18	a	4006	BCR	C11-C12-C13	12.21	159.84	126.36
18	b	4009	BCR	C11-C10-C9	12.08	144.22	127.28
18	B	4009	BCR	C11-C10-C9	12.07	144.20	127.28
18	H	4009	BCR	C11-C10-C9	12.04	144.17	127.28
18	b	4010	BCR	C11-C12-C13	11.95	159.13	126.36
18	B	4010	BCR	C11-C12-C13	11.95	159.13	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	H	4010	BCR	C11-C12-C13	11.95	159.12	126.36
18	b	4014	BCR	C11-C12-C13	11.93	159.09	126.36
18	l	4019	BCR	C11-C12-C13	11.93	159.08	126.36
18	L	4019	BCR	C11-C12-C13	11.92	159.06	126.36
18	B	4014	BCR	C11-C12-C13	11.92	159.04	126.36
18	H	4014	BCR	C11-C12-C13	11.91	159.03	126.36
18	U	4019	BCR	C11-C12-C13	11.91	159.03	126.36
18	a	4005	BCR	C11-C12-C13	11.88	158.94	126.36
18	A	4005	BCR	C11-C12-C13	11.87	158.90	126.36
18	G	4005	BCR	C11-C12-C13	11.86	158.89	126.36
18	H	4014	BCR	C16-C15-C14	11.73	147.51	123.52
18	B	4014	BCR	C16-C15-C14	11.71	147.48	123.52
18	b	4014	BCR	C16-C15-C14	11.69	147.45	123.52
18	A	4003	BCR	C16-C15-C14	11.63	147.32	123.52
18	a	4003	BCR	C16-C15-C14	11.62	147.30	123.52
18	G	4003	BCR	C16-C15-C14	11.62	147.30	123.52
15	B	1238	F6C	C3B-C2B-C1B	-11.46	100.54	106.46
18	K	4001	BCR	C11-C12-C13	11.46	157.78	126.36
18	T	4001	BCR	C11-C12-C13	11.45	157.77	126.36
18	k	4001	BCR	C11-C12-C13	11.45	157.77	126.36
15	b	1238	F6C	C3B-C2B-C1B	-11.43	100.56	106.46
15	H	1238	F6C	C3B-C2B-C1B	-11.42	100.57	106.46
15	H	1237	F6C	C3B-C2B-C1B	-11.36	100.60	106.46
15	b	1237	F6C	C3B-C2B-C1B	-11.34	100.61	106.46
18	l	4022	BCR	C11-C12-C13	11.34	157.46	126.36
18	L	4022	BCR	C11-C12-C13	11.33	157.43	126.36
18	U	4022	BCR	C11-C12-C13	11.33	157.42	126.36
15	B	1237	F6C	C3B-C2B-C1B	-11.29	100.63	106.46
15	b	1230	F6C	CAA-C2A-C3A	-11.28	106.74	127.87
15	B	1230	F6C	CAA-C2A-C3A	-11.28	106.75	127.87
15	H	1230	F6C	CAA-C2A-C3A	-11.26	106.78	127.87
18	G	4004	BCR	C11-C12-C13	11.11	156.82	126.36
18	A	4004	BCR	C11-C12-C13	11.10	156.79	126.36
18	b	4009	BCR	C11-C12-C13	11.09	156.76	126.36
18	B	4009	BCR	C11-C12-C13	11.08	156.75	126.36
18	a	4004	BCR	C11-C12-C13	11.08	156.74	126.36
18	H	4009	BCR	C11-C12-C13	11.08	156.74	126.36
18	b	4005	BCR	C11-C12-C13	11.08	156.74	126.36
18	H	4005	BCR	C11-C12-C13	11.08	156.73	126.36
18	B	4005	BCR	C11-C12-C13	11.08	156.73	126.36
15	b	1207	F6C	C3B-C2B-C1B	-11.07	100.75	106.46
15	H	1207	F6C	C3B-C2B-C1B	-11.06	100.75	106.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	B	1207	F6C	C3B-C2B-C1B	-11.03	100.77	106.46
18	R	4020	BCR	C11-C12-C13	10.98	156.46	126.36
18	I	4020	BCR	C11-C12-C13	10.98	156.46	126.36
18	i	4020	BCR	C11-C12-C13	10.97	156.45	126.36
18	H	4006	BCR	C11-C12-C13	10.94	156.37	126.36
18	B	4006	BCR	C11-C12-C13	10.94	156.37	126.36
18	b	4006	BCR	C11-C12-C13	10.93	156.34	126.36
18	a	4003	BCR	C11-C12-C13	10.92	156.30	126.36
18	A	4003	BCR	C11-C12-C13	10.92	156.30	126.36
18	G	4003	BCR	C11-C12-C13	10.92	156.30	126.36
18	R	4020	BCR	C21-C20-C19	10.89	154.75	123.20
18	I	4020	BCR	C21-C20-C19	10.87	154.71	123.20
18	i	4020	BCR	C21-C20-C19	10.87	154.69	123.20
15	b	1237	F6C	CAA-C2A-C3A	-10.84	107.56	127.87
15	H	1237	F6C	CAA-C2A-C3A	-10.84	107.57	127.87
15	B	1237	F6C	CAA-C2A-C3A	-10.83	107.59	127.87
15	b	1230	F6C	C3B-C2B-C1B	-10.76	100.91	106.46
15	B	1230	F6C	C3B-C2B-C1B	-10.75	100.91	106.46
15	H	1230	F6C	C3B-C2B-C1B	-10.73	100.92	106.46
15	H	1238	F6C	CAA-C2A-C3A	-10.67	107.88	127.87
15	B	1238	F6C	CAA-C2A-C3A	-10.66	107.90	127.87
15	b	1238	F6C	CAA-C2A-C3A	-10.66	107.91	127.87
18	a	4001	BCR	C11-C12-C13	10.65	155.57	126.36
18	A	4001	BCR	C11-C12-C13	10.64	155.54	126.36
18	G	4001	BCR	C11-C12-C13	10.63	155.52	126.36
15	B	1219	F6C	C3B-C2B-C1B	-10.53	101.02	106.46
15	H	1219	F6C	C3B-C2B-C1B	-10.51	101.03	106.46
18	H	4017	BCR	C11-C12-C13	10.51	155.17	126.36
18	b	4017	BCR	C11-C12-C13	10.51	155.17	126.36
15	b	1219	F6C	C3B-C2B-C1B	-10.50	101.04	106.46
18	B	4017	BCR	C11-C12-C13	10.50	155.15	126.36
18	V	4021	BCR	C11-C12-C13	10.49	155.13	126.36
18	M	4021	BCR	C11-C12-C13	10.48	155.09	126.36
18	m	4021	BCR	C11-C12-C13	10.47	155.06	126.36
18	H	4004	BCR	C11-C12-C13	10.44	154.98	126.36
18	B	4004	BCR	C11-C12-C13	10.44	154.98	126.36
18	b	4004	BCR	C11-C12-C13	10.43	154.95	126.36
18	R	4018	BCR	C11-C12-C13	10.35	154.74	126.36
18	I	4018	BCR	C11-C12-C13	10.34	154.70	126.36
18	i	4018	BCR	C11-C12-C13	10.33	154.69	126.36
18	a	4002	BCR	C11-C12-C13	9.64	152.78	126.36
18	G	4002	BCR	C11-C12-C13	9.63	152.76	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	4002	BCR	C11-C12-C13	9.62	152.75	126.36
15	B	1219	F6C	CAA-C2A-C3A	-9.48	110.10	127.87
15	b	1219	F6C	CAA-C2A-C3A	-9.48	110.12	127.87
15	H	1219	F6C	CAA-C2A-C3A	-9.47	110.13	127.87
18	T	4001	BCR	C11-C10-C9	9.25	140.25	127.28
18	K	4001	BCR	C11-C10-C9	9.23	140.23	127.28
18	k	4001	BCR	C11-C10-C9	9.22	140.22	127.28
18	G	4003	BCR	C20-C19-C18	9.07	151.23	126.36
18	a	4003	BCR	C20-C19-C18	9.07	151.23	126.36
18	A	4003	BCR	C20-C19-C18	9.07	151.23	126.36
15	b	1219	F6C	C1D-ND-C4D	-9.07	102.54	106.68
15	G	1121	F6C	C3B-C2B-C1B	-9.01	101.81	106.46
15	B	1219	F6C	C1D-ND-C4D	-9.00	102.57	106.68
15	H	1219	F6C	C1D-ND-C4D	-8.99	102.58	106.68
15	a	1121	F6C	C3B-C2B-C1B	-8.99	101.82	106.46
15	A	1121	F6C	C3B-C2B-C1B	-8.97	101.83	106.46
14	G	1135	CLA	CMD-C2D-C1D	8.95	140.49	124.73
15	a	1121	F6C	CAA-C2A-C3A	-8.95	111.11	127.87
14	A	1135	CLA	CMD-C2D-C1D	8.94	140.48	124.73
15	A	1121	F6C	CAA-C2A-C3A	-8.94	111.12	127.87
15	G	1121	F6C	CAA-C2A-C3A	-8.94	111.13	127.87
14	a	1135	CLA	CMD-C2D-C1D	8.92	140.44	124.73
15	H	1219	F6C	CMD-C2D-C1D	8.87	138.89	125.03
15	B	1219	F6C	CMD-C2D-C1D	8.84	138.85	125.03
18	b	4006	BCR	C20-C19-C18	8.84	150.61	126.36
15	b	1219	F6C	CMD-C2D-C1D	8.83	138.83	125.03
18	B	4006	BCR	C20-C19-C18	8.82	150.55	126.36
18	H	4006	BCR	C20-C19-C18	8.81	150.52	126.36
18	i	4018	BCR	C20-C19-C18	8.74	150.32	126.36
18	I	4018	BCR	C20-C19-C18	8.72	150.27	126.36
18	R	4018	BCR	C20-C19-C18	8.72	150.26	126.36
18	a	4004	BCR	C20-C19-C18	8.57	149.85	126.36
18	A	4004	BCR	C20-C19-C18	8.56	149.84	126.36
18	G	4004	BCR	C20-C19-C18	8.56	149.83	126.36
15	a	1121	F6C	CMD-C2D-C1D	8.56	138.41	125.03
14	H	1231	CLA	CMD-C2D-C1D	8.55	139.78	124.73
14	B	1231	CLA	CMD-C2D-C1D	8.54	139.77	124.73
14	b	1231	CLA	CMD-C2D-C1D	8.54	139.77	124.73
15	A	1121	F6C	CMD-C2D-C1D	8.54	138.38	125.03
15	H	1230	F6C	CMD-C2D-C1D	8.52	138.35	125.03
15	G	1121	F6C	CMD-C2D-C1D	8.52	138.35	125.03
14	A	1109	CLA	CMD-C2D-C1D	8.52	139.72	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	b	1230	F6C	CMD-C2D-C1D	8.52	138.34	125.03
14	G	1109	CLA	CMD-C2D-C1D	8.51	139.72	124.73
15	B	1230	F6C	CMD-C2D-C1D	8.51	138.33	125.03
14	a	1109	CLA	CMD-C2D-C1D	8.49	139.68	124.73
14	G	1105	CLA	CMD-C2D-C1D	8.45	139.61	124.73
14	A	1105	CLA	CMD-C2D-C1D	8.45	139.61	124.73
14	a	1105	CLA	CMD-C2D-C1D	8.45	139.61	124.73
15	b	1207	F6C	CAA-C2A-C3A	-8.42	112.10	127.87
15	B	1207	F6C	CAA-C2A-C3A	-8.41	112.11	127.87
15	H	1207	F6C	CAA-C2A-C3A	-8.40	112.13	127.87
14	B	1227	CLA	CMD-C2D-C1D	8.38	139.49	124.73
14	H	1227	CLA	CMD-C2D-C1D	8.38	139.49	124.73
14	b	1227	CLA	CMD-C2D-C1D	8.37	139.47	124.73
14	a	1103	CLA	CMD-C2D-C1D	8.32	139.39	124.73
14	b	1232	CLA	CMD-C2D-C1D	8.30	139.35	124.73
14	H	1232	CLA	CMD-C2D-C1D	8.29	139.34	124.73
14	A	1103	CLA	CMD-C2D-C1D	8.29	139.33	124.73
14	G	1103	CLA	CMD-C2D-C1D	8.29	139.33	124.73
14	B	1232	CLA	CMD-C2D-C1D	8.29	139.32	124.73
14	M	1501	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	V	1501	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	m	1501	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	G	1134	CLA	CMD-C2D-C1D	8.20	139.17	124.73
15	B	1238	F6C	CMD-C2D-C1D	8.20	137.85	125.03
14	B	1023	CLA	CAC-C3C-C4C	8.19	135.45	124.79
14	b	1023	CLA	CAC-C3C-C4C	8.19	135.45	124.79
14	A	1134	CLA	CMD-C2D-C1D	8.19	139.15	124.73
15	H	1238	F6C	CMD-C2D-C1D	8.19	137.83	125.03
15	b	1238	F6C	CMD-C2D-C1D	8.19	137.83	125.03
14	G	1104	CLA	CMD-C2D-C1D	8.19	139.14	124.73
14	G	1138	CLA	CMD-C2D-C1D	8.18	139.14	124.73
14	H	1023	CLA	CAC-C3C-C4C	8.18	135.44	124.79
14	A	1104	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	a	1104	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	a	1134	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	k	1401	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	T	1401	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	A	1138	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	a	1138	CLA	CMD-C2D-C1D	8.17	139.11	124.73
14	K	1401	CLA	CMD-C2D-C1D	8.16	139.10	124.73
14	G	1114	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	H	1233	CLA	CMD-C2D-C1D	8.13	139.04	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1228	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	A	1114	CLA	CMD-C2D-C1D	8.11	139.01	124.73
14	b	1236	CLA	CMD-C2D-C1D	8.11	139.01	124.73
14	a	1114	CLA	CMD-C2D-C1D	8.11	139.00	124.73
14	B	1236	CLA	CMD-C2D-C1D	8.10	139.00	124.73
14	H	1236	CLA	CMD-C2D-C1D	8.10	139.00	124.73
14	B	1233	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	a	1102	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	b	1240	CLA	CMD-C2D-C1D	8.09	138.98	124.73
14	H	1240	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	b	1233	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	a	1101	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	B	1240	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	B	1201	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	B	1228	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	G	1101	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	H	1201	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	b	1213	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	A	1129	CLA	O2D-CGD-CBD	8.08	125.35	111.23
14	A	1101	CLA	CMD-C2D-C1D	8.07	138.94	124.73
14	a	1129	CLA	O2D-CGD-CBD	8.07	125.34	111.23
14	G	1102	CLA	CMD-C2D-C1D	8.07	138.94	124.73
14	b	1201	CLA	CMD-C2D-C1D	8.07	138.94	124.73
14	H	1213	CLA	CMD-C2D-C1D	8.07	138.93	124.73
14	A	1102	CLA	CMD-C2D-C1D	8.07	138.93	124.73
14	A	1139	CLA	CMD-C2D-C1D	8.06	138.93	124.73
14	B	1213	CLA	CMD-C2D-C1D	8.06	138.92	124.73
14	G	1129	CLA	O2D-CGD-CBD	8.06	125.32	111.23
14	H	1228	CLA	CMD-C2D-C1D	8.06	138.92	124.73
14	a	1139	CLA	CMD-C2D-C1D	8.06	138.91	124.73
15	H	1230	F6C	C1D-ND-C4D	-8.06	103.00	106.68
14	H	1218	CLA	CMD-C2D-C1D	8.05	138.91	124.73
14	G	1139	CLA	CMD-C2D-C1D	8.04	138.89	124.73
14	b	1212	CLA	CMD-C2D-C1D	8.04	138.88	124.73
15	b	1230	F6C	C1D-ND-C4D	-8.03	103.02	106.68
14	H	1229	CLA	CMD-C2D-C1D	8.03	138.87	124.73
14	B	1212	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	b	1229	CLA	CMD-C2D-C1D	8.02	138.85	124.73
14	b	1218	CLA	CMD-C2D-C1D	8.02	138.84	124.73
15	B	1230	F6C	C1D-ND-C4D	-8.02	103.02	106.68
14	B	1229	CLA	CMD-C2D-C1D	8.01	138.84	124.73
18	b	4017	BCR	C20-C19-C18	8.01	148.33	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	4017	BCR	C20-C19-C18	8.01	148.33	126.36
14	B	1218	CLA	CMD-C2D-C1D	8.01	138.83	124.73
18	H	4017	BCR	C20-C19-C18	8.00	148.31	126.36
14	H	1212	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	A	1129	CLA	CMD-C2D-C1D	7.98	138.78	124.73
14	G	1129	CLA	CMD-C2D-C1D	7.98	138.78	124.73
14	a	1129	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	G	1106	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	a	1112	CLA	CMD-C2D-C1D	7.96	138.75	124.73
14	A	1112	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	G	1112	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	A	1111	CLA	CMD-C2D-C1D	7.95	138.72	124.73
14	G	1111	CLA	CMD-C2D-C1D	7.95	138.72	124.73
14	a	1111	CLA	CMD-C2D-C1D	7.93	138.70	124.73
14	B	1214	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	A	1106	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	H	1214	CLA	CMD-C2D-C1D	7.92	138.68	124.73
14	G	1132	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	a	1141	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	b	1214	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	a	1106	CLA	CMD-C2D-C1D	7.91	138.66	124.73
14	A	1132	CLA	CMD-C2D-C1D	7.91	138.66	124.73
14	a	1132	CLA	CMD-C2D-C1D	7.90	138.65	124.73
14	A	1141	CLA	CMD-C2D-C1D	7.90	138.63	124.73
14	G	1141	CLA	CMD-C2D-C1D	7.89	138.63	124.73
14	B	1208	CLA	CMD-C2D-C1D	7.87	138.59	124.73
14	B	1239	CLA	CMD-C2D-C1D	7.87	138.59	124.73
14	H	1208	CLA	CMD-C2D-C1D	7.87	138.58	124.73
14	b	1239	CLA	CMD-C2D-C1D	7.86	138.57	124.73
14	b	1208	CLA	CMD-C2D-C1D	7.86	138.57	124.73
15	B	1237	F6C	C1D-ND-C4D	-7.86	103.09	106.68
15	H	1207	F6C	CMD-C2D-C1D	7.85	137.30	125.03
14	H	1239	CLA	CMD-C2D-C1D	7.85	138.55	124.73
15	H	1237	F6C	C1D-ND-C4D	-7.84	103.10	106.68
15	B	1207	F6C	CMD-C2D-C1D	7.83	137.27	125.03
14	A	1137	CLA	CMD-C2D-C1D	7.82	138.51	124.73
14	a	1137	CLA	CMD-C2D-C1D	7.82	138.51	124.73
15	b	1207	F6C	CMD-C2D-C1D	7.82	137.26	125.03
14	G	1137	CLA	CMD-C2D-C1D	7.82	138.50	124.73
14	b	1235	CLA	CMD-C2D-C1D	7.82	138.49	124.73
14	B	1235	CLA	CMD-C2D-C1D	7.81	138.49	124.73
14	H	1235	CLA	CMD-C2D-C1D	7.81	138.48	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1117	CLA	CMD-C2D-C1D	7.80	138.47	124.73
14	G	1117	CLA	CMD-C2D-C1D	7.79	138.45	124.73
14	a	1117	CLA	CMD-C2D-C1D	7.79	138.44	124.73
14	G	1113	CLA	CMD-C2D-C1D	7.78	138.42	124.73
14	A	1113	CLA	CMD-C2D-C1D	7.77	138.42	124.73
18	G	4005	BCR	C24-C23-C22	-7.76	114.75	126.23
18	A	4005	BCR	C24-C23-C22	-7.76	114.76	126.23
14	a	1113	CLA	CMD-C2D-C1D	7.75	138.38	124.73
18	a	4005	BCR	C24-C23-C22	-7.75	114.78	126.23
15	b	1237	F6C	C1D-ND-C4D	-7.74	103.15	106.68
14	A	1107	CLA	CMD-C2D-C1D	7.74	138.36	124.73
14	a	1107	CLA	CMD-C2D-C1D	7.73	138.35	124.73
14	G	1107	CLA	CMD-C2D-C1D	7.73	138.33	124.73
14	A	1116	CLA	CMD-C2D-C1D	7.72	138.32	124.73
14	a	1116	CLA	CMD-C2D-C1D	7.72	138.32	124.73
14	a	1126	CLA	CMD-C2D-C1D	7.72	138.32	124.73
14	G	1116	CLA	CMD-C2D-C1D	7.72	138.31	124.73
14	H	1202	CLA	CMD-C2D-C1D	7.71	138.31	124.73
14	B	1202	CLA	CMD-C2D-C1D	7.71	138.31	124.73
14	G	1136	CLA	CMD-C2D-C1D	7.71	138.30	124.73
14	G	1110	CLA	CMD-C2D-C1D	7.70	138.29	124.73
14	a	1136	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	H	1234	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	H	1216	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	A	1136	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	A	1110	CLA	CMD-C2D-C1D	7.69	138.28	124.73
14	a	1110	CLA	CMD-C2D-C1D	7.69	138.28	124.73
18	b	4005	BCR	C20-C19-C18	7.69	147.45	126.36
18	B	4005	BCR	C20-C19-C18	7.69	147.45	126.36
14	b	1202	CLA	CMD-C2D-C1D	7.69	138.26	124.73
14	B	1210	CLA	O2D-CGD-CBD	7.69	124.67	111.23
14	H	1215	CLA	CMD-C2D-C1D	7.68	138.26	124.73
14	b	1210	CLA	O2D-CGD-CBD	7.68	124.66	111.23
18	H	4005	BCR	C20-C19-C18	7.68	147.43	126.36
14	A	1126	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	B	1234	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	a	1108	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	H	1210	CLA	O2D-CGD-CBD	7.68	124.65	111.23
14	B	1215	CLA	CMD-C2D-C1D	7.67	138.23	124.73
14	A	1108	CLA	CMD-C2D-C1D	7.67	138.23	124.73
14	b	1215	CLA	CMD-C2D-C1D	7.67	138.23	124.73
14	A	1125	CLA	CMD-C2D-C1D	7.66	138.23	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1125	CLA	CMD-C2D-C1D	7.66	138.23	124.73
14	G	1126	CLA	CMD-C2D-C1D	7.66	138.23	124.73
14	B	1216	CLA	CMD-C2D-C1D	7.66	138.22	124.73
14	b	1216	CLA	CMD-C2D-C1D	7.66	138.22	124.73
14	B	1203	CLA	CMD-C2D-C1D	7.66	138.21	124.73
14	a	1125	CLA	CMD-C2D-C1D	7.66	138.21	124.73
14	b	1203	CLA	CMD-C2D-C1D	7.65	138.21	124.73
14	b	1234	CLA	CMD-C2D-C1D	7.65	138.21	124.73
14	H	1203	CLA	CMD-C2D-C1D	7.65	138.20	124.73
14	G	1108	CLA	CMD-C2D-C1D	7.64	138.18	124.73
14	B	1204	CLA	CMD-C2D-C1D	7.62	138.15	124.73
14	b	1204	CLA	CMD-C2D-C1D	7.62	138.15	124.73
14	L	1501	CLA	CMD-C2D-C1D	7.62	138.15	124.73
14	G	1131	CLA	CMD-C2D-C1D	7.62	138.15	124.73
14	U	1501	CLA	CMD-C2D-C1D	7.62	138.14	124.73
14	a	1131	CLA	CMD-C2D-C1D	7.61	138.14	124.73
14	l	1501	CLA	CMD-C2D-C1D	7.61	138.12	124.73
14	H	1204	CLA	CMD-C2D-C1D	7.60	138.12	124.73
14	A	1131	CLA	CMD-C2D-C1D	7.60	138.11	124.73
15	A	1121	F6C	C1D-ND-C4D	-7.59	103.22	106.68
15	a	1121	F6C	C1D-ND-C4D	-7.58	103.22	106.68
15	G	1121	F6C	C1D-ND-C4D	-7.57	103.23	106.68
14	B	1211	CLA	CMD-C2D-C1D	7.57	138.05	124.73
14	H	1223	CLA	CMD-C2D-C1D	7.57	138.05	124.73
14	b	1224	CLA	CMD-C2D-C1D	7.56	138.05	124.73
14	b	1217	CLA	CMD-C2D-C1D	7.56	138.05	124.73
18	a	4002	BCR	C20-C19-C18	7.55	147.08	126.36
18	G	4002	BCR	C20-C19-C18	7.55	147.07	126.36
14	B	1217	CLA	CMD-C2D-C1D	7.55	138.03	124.73
14	b	1211	CLA	CMD-C2D-C1D	7.55	138.03	124.73
14	H	1211	CLA	CMD-C2D-C1D	7.55	138.03	124.73
14	b	1223	CLA	CMD-C2D-C1D	7.55	138.02	124.73
18	A	4002	BCR	C20-C19-C18	7.55	147.06	126.36
14	B	1223	CLA	CMD-C2D-C1D	7.55	138.02	124.73
14	B	1224	CLA	CMD-C2D-C1D	7.55	138.01	124.73
14	a	1132	CLA	O2D-CGD-CBD	7.54	124.40	111.23
14	A	1132	CLA	O2D-CGD-CBD	7.53	124.39	111.23
14	H	1217	CLA	CMD-C2D-C1D	7.53	137.99	124.73
14	H	1224	CLA	CMD-C2D-C1D	7.53	137.99	124.73
14	G	1132	CLA	O2D-CGD-CBD	7.52	124.38	111.23
18	b	4014	BCR	C20-C19-C18	7.52	146.97	126.36
14	H	1220	CLA	CMD-C2D-C1D	7.51	137.96	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1120	CLA	CMD-C2D-C1D	7.51	137.95	124.73
14	A	1120	CLA	CMD-C2D-C1D	7.50	137.94	124.73
18	B	4014	BCR	C20-C19-C18	7.50	146.94	126.36
14	a	1120	CLA	CMD-C2D-C1D	7.50	137.93	124.73
18	H	4014	BCR	C20-C19-C18	7.49	146.91	126.36
14	b	1220	CLA	CMD-C2D-C1D	7.48	137.91	124.73
14	B	1220	CLA	CMD-C2D-C1D	7.48	137.90	124.73
14	B	1210	CLA	CMD-C2D-C1D	7.46	137.87	124.73
14	H	1210	CLA	CMD-C2D-C1D	7.46	137.86	124.73
14	b	1210	CLA	CMD-C2D-C1D	7.44	137.84	124.73
14	a	1124	CLA	CMD-C2D-C1D	7.43	137.82	124.73
14	G	1124	CLA	CMD-C2D-C1D	7.43	137.81	124.73
14	A	1124	CLA	CMD-C2D-C1D	7.42	137.80	124.73
14	b	1209	CLA	CMD-C2D-C1D	7.42	137.79	124.73
14	B	1209	CLA	CMD-C2D-C1D	7.40	137.76	124.73
14	H	1209	CLA	CMD-C2D-C1D	7.40	137.76	124.73
14	A	1122	CLA	CMD-C2D-C1D	7.36	137.69	124.73
14	a	1122	CLA	CMD-C2D-C1D	7.36	137.69	124.73
18	a	4006	BCR	C20-C19-C18	7.35	146.51	126.36
18	A	4006	BCR	C20-C19-C18	7.34	146.49	126.36
14	G	1122	CLA	CMD-C2D-C1D	7.34	137.66	124.73
18	G	4006	BCR	C20-C19-C18	7.34	146.48	126.36
14	G	1140	CLA	CMD-C2D-C1D	7.32	137.62	124.73
14	a	1140	CLA	CMD-C2D-C1D	7.32	137.61	124.73
14	A	1140	CLA	CMD-C2D-C1D	7.32	137.61	124.73
14	a	1118	CLA	CMD-C2D-C1D	7.27	137.53	124.73
14	G	1013	CLA	C4A-NA-C1A	7.26	109.99	106.68
14	A	1013	CLA	C4A-NA-C1A	7.25	109.99	106.68
14	A	1118	CLA	CMD-C2D-C1D	7.25	137.50	124.73
14	A	1123	CLA	CMD-C2D-C1D	7.25	137.49	124.73
14	a	1123	CLA	CMD-C2D-C1D	7.24	137.48	124.73
14	G	1118	CLA	CMD-C2D-C1D	7.23	137.47	124.73
14	G	1123	CLA	CMD-C2D-C1D	7.23	137.46	124.73
14	H	1222	CLA	CMD-C2D-C1D	7.22	137.44	124.73
14	A	1119	CLA	CMD-C2D-C1D	7.21	137.43	124.73
14	b	1222	CLA	CMD-C2D-C1D	7.21	137.43	124.73
14	G	1119	CLA	CMD-C2D-C1D	7.21	137.43	124.73
14	a	1119	CLA	CMD-C2D-C1D	7.21	137.42	124.73
14	b	1212	CLA	O2D-CGD-CBD	7.20	123.82	111.23
14	B	1222	CLA	CMD-C2D-C1D	7.20	137.41	124.73
14	B	1212	CLA	O2D-CGD-CBD	7.20	123.82	111.23
14	H	1212	CLA	O2D-CGD-CBD	7.20	123.82	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1013	CLA	C4A-NA-C1A	7.17	109.95	106.68
15	H	1219	F6C	CAA-C2A-C1A	-7.16	108.00	128.01
15	b	1219	F6C	CAA-C2A-C1A	-7.15	108.03	128.01
15	B	1219	F6C	CAA-C2A-C1A	-7.15	108.04	128.01
14	H	1022	CLA	O2D-CGD-CBD	7.14	123.71	111.23
14	b	1022	CLA	O2D-CGD-CBD	7.14	123.71	111.23
14	a	1133	CLA	CMD-C2D-C1D	7.13	137.29	124.73
14	B	1022	CLA	O2D-CGD-CBD	7.13	123.70	111.23
14	A	1133	CLA	CMD-C2D-C1D	7.12	137.26	124.73
14	G	1133	CLA	CMD-C2D-C1D	7.11	137.25	124.73
14	a	1130	CLA	CMD-C2D-C1D	7.10	137.23	124.73
14	A	1130	CLA	CMD-C2D-C1D	7.10	137.23	124.73
14	G	1130	CLA	CMD-C2D-C1D	7.06	137.17	124.73
14	L	1503	CLA	CMD-C2D-C1D	7.05	137.15	124.73
14	l	1503	CLA	CMD-C2D-C1D	7.04	137.13	124.73
14	U	1503	CLA	CMD-C2D-C1D	7.04	137.13	124.73
14	U	1502	CLA	CMD-C2D-C1D	7.03	137.11	124.73
14	b	1205	CLA	C4A-NA-C1A	7.01	109.88	106.68
14	L	1502	CLA	CMD-C2D-C1D	7.01	137.08	124.73
15	b	1207	F6C	C1D-ND-C4D	-7.01	103.48	106.68
14	G	1133	CLA	C4A-NA-C1A	6.99	109.87	106.68
15	B	1207	F6C	C1D-ND-C4D	-6.99	103.49	106.68
15	H	1207	F6C	C1D-ND-C4D	-6.99	103.49	106.68
14	l	1502	CLA	CMD-C2D-C1D	6.99	137.03	124.73
14	H	1205	CLA	C4A-NA-C1A	6.94	109.84	106.68
14	G	1117	CLA	O2D-CGD-CBD	6.93	123.35	111.23
14	b	1023	CLA	CMD-C2D-C1D	6.92	136.92	124.73
14	a	1117	CLA	O2D-CGD-CBD	6.92	123.33	111.23
14	A	1133	CLA	C4A-NA-C1A	6.92	109.83	106.68
14	B	1023	CLA	CMD-C2D-C1D	6.91	136.89	124.73
15	H	1207	F6C	C2C-C1C-NC	6.90	117.48	110.33
14	A	1117	CLA	O2D-CGD-CBD	6.90	123.29	111.23
14	H	1023	CLA	CMD-C2D-C1D	6.90	136.87	124.73
14	a	1106	CLA	O2D-CGD-CBD	6.89	123.28	111.23
18	G	4001	BCR	C20-C19-C18	6.88	145.24	126.36
14	G	1106	CLA	O2D-CGD-CBD	6.88	123.26	111.23
14	A	1106	CLA	O2D-CGD-CBD	6.88	123.26	111.23
18	A	4001	BCR	C20-C19-C18	6.87	145.21	126.36
14	A	1115	CLA	CMD-C2D-C1D	6.87	136.83	124.73
14	G	1115	CLA	CMD-C2D-C1D	6.87	136.82	124.73
14	a	1115	CLA	CMD-C2D-C1D	6.86	136.81	124.73
18	i	4020	BCR	C20-C19-C18	6.86	145.16	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	B	1207	F6C	C2C-C1C-NC	6.85	117.43	110.33
15	b	1207	F6C	C2C-C1C-NC	6.85	117.43	110.33
18	I	4020	BCR	C20-C19-C18	6.85	145.14	126.36
18	a	4001	BCR	C20-C19-C18	6.85	145.13	126.36
14	B	1205	CLA	C4A-NA-C1A	6.85	109.80	106.68
14	b	1226	CLA	CMD-C2D-C1D	6.83	136.75	124.73
18	R	4020	BCR	C20-C19-C18	6.82	145.06	126.36
14	B	1226	CLA	CMD-C2D-C1D	6.81	136.72	124.73
14	H	1226	CLA	CMD-C2D-C1D	6.80	136.71	124.73
14	A	1012	CLA	CMD-C2D-C1D	6.77	136.65	124.73
14	B	1023	CLA	C4A-NA-C1A	6.76	109.77	106.68
14	A	1013	CLA	C2D-C1D-ND	6.76	116.82	110.13
14	a	1133	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	a	1012	CLA	CMD-C2D-C1D	6.76	136.63	124.73
14	G	1013	CLA	C2D-C1D-ND	6.75	116.80	110.13
14	G	1012	CLA	CMD-C2D-C1D	6.74	136.60	124.73
14	B	1021	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	H	1021	CLA	C4A-NA-C1A	6.74	109.75	106.68
18	V	4021	BCR	C20-C19-C18	6.73	144.82	126.36
14	a	1013	CLA	C2D-C1D-ND	6.72	116.78	110.13
18	M	4021	BCR	C20-C19-C18	6.72	144.79	126.36
14	b	1023	CLA	C4A-NA-C1A	6.72	109.74	106.68
14	H	1023	CLA	C4A-NA-C1A	6.71	109.74	106.68
18	m	4021	BCR	C20-C19-C18	6.71	144.76	126.36
14	B	1202	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	a	1101	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	A	1101	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	b	1021	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	H	1202	CLA	O2D-CGD-CBD	6.68	122.91	111.23
14	G	1101	CLA	O2D-CGD-CBD	6.68	122.91	111.23
14	b	1202	CLA	O2D-CGD-CBD	6.67	122.90	111.23
14	A	1135	CLA	C2C-C1C-NC	6.62	116.93	109.98
14	G	1135	CLA	C2C-C1C-NC	6.60	116.92	109.98
18	L	4019	BCR	C20-C19-C18	6.60	144.47	126.36
15	b	1238	F6C	C1D-ND-C4D	-6.60	103.67	106.68
18	U	4019	BCR	C20-C19-C18	6.60	144.46	126.36
14	a	1115	CLA	O2D-CGD-CBD	6.60	122.76	111.23
15	B	1238	F6C	C1D-ND-C4D	-6.58	103.67	106.68
18	l	4019	BCR	C20-C19-C18	6.58	144.41	126.36
14	A	1115	CLA	O2D-CGD-CBD	6.58	122.73	111.23
14	a	1104	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	l	1502	CLA	O2D-CGD-CBD	6.58	122.73	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1135	CLA	C2C-C1C-NC	6.58	116.89	109.98
14	G	1115	CLA	O2D-CGD-CBD	6.57	122.72	111.23
14	a	1123	CLA	O2D-CGD-CBD	6.57	122.72	111.23
14	L	1502	CLA	O2D-CGD-CBD	6.57	122.72	111.23
14	B	1239	CLA	C2C-C1C-NC	6.57	116.88	109.98
14	H	1239	CLA	C2C-C1C-NC	6.56	116.88	109.98
14	U	1502	CLA	O2D-CGD-CBD	6.56	122.69	111.23
14	H	1201	CLA	O2D-CGD-CBD	6.55	122.68	111.23
14	B	1201	CLA	O2D-CGD-CBD	6.55	122.68	111.23
14	b	1239	CLA	C2C-C1C-NC	6.55	116.86	109.98
18	b	4009	BCR	C20-C19-C18	6.55	144.31	126.36
15	a	1121	F6C	C2C-C1C-NC	6.54	117.11	110.33
14	G	1104	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	A	1133	CLA	C2C-C1C-NC	6.54	116.85	109.98
14	A	1123	CLA	O2D-CGD-CBD	6.53	122.65	111.23
14	G	1133	CLA	C2C-C1C-NC	6.53	116.84	109.98
14	a	1114	CLA	C2C-C1C-NC	6.53	116.84	109.98
18	B	4009	BCR	C20-C19-C18	6.53	144.28	126.36
14	A	1114	CLA	C2C-C1C-NC	6.53	116.84	109.98
14	G	1123	CLA	O2D-CGD-CBD	6.53	122.64	111.23
15	G	1121	F6C	C2C-C1C-NC	6.52	117.09	110.33
14	b	1201	CLA	O2D-CGD-CBD	6.52	122.63	111.23
14	b	1205	CLA	O2D-CGD-CBD	6.52	122.63	111.23
14	H	1205	CLA	O2D-CGD-CBD	6.52	122.63	111.23
14	a	1133	CLA	C2C-C1C-NC	6.52	116.83	109.98
14	A	1128	CLA	CMD-C2D-C1D	6.52	136.21	124.73
18	H	4009	BCR	C20-C19-C18	6.51	144.22	126.36
14	G	1128	CLA	CMD-C2D-C1D	6.51	136.20	124.73
14	a	1128	CLA	CMD-C2D-C1D	6.51	136.20	124.73
14	B	1205	CLA	O2D-CGD-CBD	6.51	122.61	111.23
14	A	1104	CLA	C4A-NA-C1A	6.50	109.65	106.68
15	A	1121	F6C	C2C-C1C-NC	6.50	117.06	110.33
14	G	1114	CLA	C2C-C1C-NC	6.50	116.80	109.98
15	H	1238	F6C	C1D-ND-C4D	-6.49	103.72	106.68
14	G	1141	CLA	O2D-CGD-CBD	6.47	122.54	111.23
14	a	1141	CLA	O2D-CGD-CBD	6.47	122.53	111.23
14	b	1227	CLA	O2D-CGD-CBD	6.46	122.53	111.23
14	A	1141	CLA	O2D-CGD-CBD	6.46	122.52	111.23
14	B	1202	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	B	1227	CLA	O2D-CGD-CBD	6.45	122.51	111.23
14	a	1137	CLA	C2C-C1C-NC	6.45	116.75	109.98
14	b	1233	CLA	C2C-C1C-NC	6.44	116.75	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1233	CLA	C2C-C1C-NC	6.44	116.74	109.98
14	G	1137	CLA	C2C-C1C-NC	6.43	116.73	109.98
14	U	1501	CLA	C2C-C1C-NC	6.42	116.73	109.98
14	H	1227	CLA	O2D-CGD-CBD	6.42	122.45	111.23
14	H	1206	CLA	C2C-C1C-NC	6.42	116.72	109.98
14	b	1221	CLA	CMD-C2D-C1D	6.42	136.03	124.73
14	b	1206	CLA	C2C-C1C-NC	6.42	116.72	109.98
14	A	1137	CLA	C2C-C1C-NC	6.41	116.72	109.98
14	M	1501	CLA	C2C-C1C-NC	6.41	116.72	109.98
14	B	1233	CLA	C2C-C1C-NC	6.41	116.72	109.98
14	V	1501	CLA	C2C-C1C-NC	6.41	116.71	109.98
14	B	1206	CLA	C2C-C1C-NC	6.41	116.71	109.98
14	B	1221	CLA	CMD-C2D-C1D	6.40	136.00	124.73
14	H	1221	CLA	CMD-C2D-C1D	6.40	136.00	124.73
14	a	1103	CLA	O2D-CGD-CBD	6.40	122.42	111.23
15	b	1207	F6C	O2D-CGD-CBD	6.40	122.41	111.23
14	m	1501	CLA	C2C-C1C-NC	6.39	116.70	109.98
14	G	1104	CLA	C1C-C2C-C3C	-6.39	100.26	106.98
14	G	1103	CLA	O2D-CGD-CBD	6.39	122.39	111.23
14	H	1206	CLA	CMD-C2D-C1D	6.38	135.97	124.73
14	A	1103	CLA	O2D-CGD-CBD	6.38	122.39	111.23
14	b	1206	CLA	CMD-C2D-C1D	6.38	135.96	124.73
15	B	1207	F6C	O2D-CGD-CBD	6.38	122.38	111.23
14	b	1202	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	A	1104	CLA	C1C-C2C-C3C	-6.38	100.27	106.98
15	H	1207	F6C	O2D-CGD-CBD	6.37	122.37	111.23
14	B	1206	CLA	CMD-C2D-C1D	6.37	135.95	124.73
14	a	1125	CLA	C2D-C1D-ND	6.37	116.43	110.13
18	k	4001	BCR	C20-C19-C18	6.37	143.83	126.36
14	L	1501	CLA	C2C-C1C-NC	6.37	116.67	109.98
14	H	1202	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	a	1104	CLA	C1C-C2C-C3C	-6.37	100.28	106.98
14	G	1125	CLA	C2D-C1D-ND	6.36	116.42	110.13
18	K	4001	BCR	C20-C19-C18	6.36	143.81	126.36
14	A	1125	CLA	C2D-C1D-ND	6.36	116.42	110.13
18	T	4001	BCR	C20-C19-C18	6.35	143.78	126.36
18	a	4005	BCR	C20-C19-C18	6.35	143.77	126.36
14	b	1211	CLA	O2D-CGD-CBD	6.35	122.33	111.23
14	a	1125	CLA	C3D-C2D-C1D	-6.35	97.17	105.83
14	A	1125	CLA	C3D-C2D-C1D	-6.34	97.17	105.83
18	A	4005	BCR	C20-C19-C18	6.34	143.74	126.36
14	H	1229	CLA	O2D-CGD-CBD	6.34	122.31	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1125	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	G	1125	CLA	C3D-C2D-C1D	-6.33	97.19	105.83
14	l	1501	CLA	C2C-C1C-NC	6.33	116.63	109.98
14	H	1211	CLA	O2D-CGD-CBD	6.32	122.28	111.23
14	B	1211	CLA	O2D-CGD-CBD	6.32	122.28	111.23
18	G	4005	BCR	C20-C19-C18	6.32	143.69	126.36
14	b	1222	CLA	O2D-CGD-CBD	6.31	122.26	111.23
18	K	4001	BCR	C7-C8-C9	-6.31	116.90	126.23
14	B	1229	CLA	O2D-CGD-CBD	6.31	122.26	111.23
14	A	1125	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b	1217	CLA	O2D-CGD-CBD	6.30	122.25	111.23
14	H	1217	CLA	O2D-CGD-CBD	6.30	122.24	111.23
14	B	1222	CLA	O2D-CGD-CBD	6.30	122.24	111.23
14	b	1229	CLA	O2D-CGD-CBD	6.30	122.24	111.23
18	k	4001	BCR	C7-C8-C9	-6.30	116.92	126.23
14	H	1222	CLA	O2D-CGD-CBD	6.30	122.24	111.23
18	T	4001	BCR	C7-C8-C9	-6.30	116.92	126.23
14	B	1217	CLA	O2D-CGD-CBD	6.29	122.22	111.23
14	a	1118	CLA	O2D-CGD-CBD	6.29	122.22	111.23
14	a	1125	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	G	1128	CLA	O2D-CGD-CBD	6.27	122.19	111.23
14	A	1138	CLA	C1C-C2C-C3C	-6.26	100.39	106.98
14	a	1128	CLA	O2D-CGD-CBD	6.26	122.18	111.23
14	A	1109	CLA	C2C-C1C-NC	6.26	116.56	109.98
14	A	1128	CLA	O2D-CGD-CBD	6.26	122.17	111.23
14	a	1109	CLA	C2C-C1C-NC	6.26	116.55	109.98
14	A	1118	CLA	O2D-CGD-CBD	6.26	122.17	111.23
18	U	4022	BCR	C20-C19-C18	6.25	143.51	126.36
14	G	1138	CLA	C1C-C2C-C3C	-6.25	100.40	106.98
18	L	4022	BCR	C20-C19-C18	6.25	143.50	126.36
14	a	1138	CLA	C1C-C2C-C3C	-6.25	100.41	106.98
15	H	1230	F6C	O2D-CGD-CBD	6.25	122.15	111.23
15	B	1207	F6C	O2A-CGA-O1A	-6.24	108.01	123.63
18	l	4022	BCR	C20-C19-C18	6.24	143.48	126.36
15	B	1230	F6C	O2D-CGD-CBD	6.24	122.14	111.23
14	G	1118	CLA	O2D-CGD-CBD	6.24	122.14	111.23
15	H	1207	F6C	O2A-CGA-O1A	-6.23	108.05	123.63
14	G	1109	CLA	C2C-C1C-NC	6.23	116.52	109.98
14	a	1117	CLA	C2C-C1C-NC	6.23	116.52	109.98
15	b	1207	F6C	O2A-CGA-O1A	-6.23	108.06	123.63
14	B	1225	CLA	CMD-C2D-C1D	6.22	135.68	124.73
14	b	1220	CLA	C2C-C1C-NC	6.22	116.51	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1117	CLA	C2C-C1C-NC	6.22	116.51	109.98
18	G	4002	BCR	C15-C14-C13	-6.21	118.57	127.28
14	B	1220	CLA	C2C-C1C-NC	6.21	116.50	109.98
14	H	1225	CLA	CMD-C2D-C1D	6.21	135.66	124.73
14	G	1137	CLA	O2D-CGD-CBD	6.21	122.08	111.23
15	b	1230	F6C	O2D-CGD-CBD	6.21	122.08	111.23
14	a	1137	CLA	O2D-CGD-CBD	6.21	122.08	111.23
14	H	1206	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	A	1137	CLA	O2D-CGD-CBD	6.20	122.07	111.23
14	b	1225	CLA	CMD-C2D-C1D	6.20	135.65	124.73
18	A	4002	BCR	C15-C14-C13	-6.20	118.58	127.28
14	a	1131	CLA	C2C-C1C-NC	6.20	116.49	109.98
14	A	1117	CLA	C2C-C1C-NC	6.20	116.49	109.98
14	H	1220	CLA	C2C-C1C-NC	6.19	116.48	109.98
18	a	4002	BCR	C15-C14-C13	-6.18	118.62	127.28
14	G	1131	CLA	C2C-C1C-NC	6.18	116.47	109.98
14	A	1138	CLA	C2C-C1C-NC	6.17	116.47	109.98
14	H	1236	CLA	C2D-C1D-ND	6.17	116.23	110.13
14	b	1236	CLA	C2D-C1D-ND	6.17	116.23	110.13
14	B	1206	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	L	1501	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	B	1236	CLA	C2D-C1D-ND	6.16	116.22	110.13
14	G	1140	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	b	1220	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	G	1133	CLA	C1C-C2C-C3C	-6.16	100.50	106.98
14	U	1501	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	b	1208	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	B	1220	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	b	1217	CLA	C2C-C1C-NC	6.16	116.45	109.98
14	A	1133	CLA	C1C-C2C-C3C	-6.16	100.50	106.98
14	A	1131	CLA	C2C-C1C-NC	6.16	116.45	109.98
14	H	1231	CLA	O2D-CGD-CBD	6.16	121.99	111.23
14	A	1140	CLA	O2D-CGD-CBD	6.15	121.99	111.23
14	G	1128	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	H	1220	CLA	O2D-CGD-CBD	6.15	121.99	111.23
14	G	1103	CLA	C4A-NA-C1A	6.15	109.49	106.68
14	A	1128	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	a	1138	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	B	1217	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	l	1501	CLA	O2D-CGD-CBD	6.15	121.98	111.23
14	b	1231	CLA	O2D-CGD-CBD	6.15	121.98	111.23
14	b	1206	CLA	C4A-NA-C1A	6.15	109.48	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1140	CLA	O2D-CGD-CBD	6.14	121.97	111.23
14	B	1208	CLA	O2D-CGD-CBD	6.14	121.97	111.23
14	H	1221	CLA	C3B-C2B-C1B	-6.14	99.93	107.17
14	a	1133	CLA	C1C-C2C-C3C	-6.14	100.52	106.98
15	b	1238	F6C	CAA-C2A-C1A	-6.14	110.86	128.01
14	a	1103	CLA	C4A-NA-C1A	6.14	109.48	106.68
15	B	1238	F6C	CAA-C2A-C1A	-6.13	110.88	128.01
14	b	1223	CLA	C2C-C1C-NC	6.13	116.42	109.98
14	B	1231	CLA	O2D-CGD-CBD	6.13	121.94	111.23
14	B	1223	CLA	O2D-CGD-CBD	6.13	121.94	111.23
14	G	1138	CLA	C2C-C1C-NC	6.13	116.42	109.98
14	H	1217	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	G	1127	CLA	C4A-NA-C1A	6.12	109.47	106.68
15	H	1238	F6C	CAA-C2A-C1A	-6.12	110.91	128.01
14	H	1208	CLA	O2D-CGD-CBD	6.12	121.93	111.23
14	a	1128	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	B	1223	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	H	1223	CLA	O2D-CGD-CBD	6.12	121.92	111.23
14	H	1226	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	b	1240	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	b	1221	CLA	C3B-C2B-C1B	-6.11	99.97	107.17
14	a	1101	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	b	1223	CLA	O2D-CGD-CBD	6.11	121.91	111.23
14	L	1503	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	l	1503	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	U	1503	CLA	O2D-CGD-CBD	6.10	121.90	111.23
14	H	1240	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	B	1221	CLA	C3B-C2B-C1B	-6.10	99.98	107.17
14	b	1023	CLA	C2D-C1D-ND	6.10	116.16	110.13
14	A	1101	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	A	1120	CLA	C4A-NA-C1A	6.09	109.46	106.68
14	L	1503	CLA	O2D-CGD-CBD	6.09	121.87	111.23
14	H	1223	CLA	C2C-C1C-NC	6.08	116.37	109.98
14	l	1503	CLA	O2D-CGD-CBD	6.08	121.86	111.23
14	A	1124	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	A	1131	CLA	O2D-CGD-CBD	6.08	121.85	111.23
14	B	1236	CLA	O2D-CGD-CBD	6.08	121.85	111.23
14	B	1226	CLA	C2C-C1C-NC	6.08	116.36	109.98
14	B	1240	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	b	1226	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	b	1239	CLA	O2D-CGD-CBD	6.07	121.84	111.23
14	G	1126	CLA	C3B-C2B-C1B	-6.07	100.02	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1022	CLA	C2D-C1D-ND	6.07	116.13	110.13
14	B	1204	CLA	O2D-CGD-CBD	6.07	121.84	111.23
14	H	1204	CLA	O2D-CGD-CBD	6.07	121.83	111.23
14	A	1127	CLA	C4A-NA-C1A	6.06	109.45	106.68
14	H	1236	CLA	O2D-CGD-CBD	6.06	121.83	111.23
14	U	1503	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	a	1131	CLA	O2D-CGD-CBD	6.06	121.83	111.23
14	b	1203	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	G	1131	CLA	O2D-CGD-CBD	6.06	121.83	111.23
14	G	1101	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	b	1214	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	G	1138	CLA	C4A-NA-C1A	6.06	109.44	106.68
14	b	1204	CLA	O2D-CGD-CBD	6.06	121.82	111.23
14	B	1022	CLA	C2D-C1D-ND	6.06	116.12	110.13
14	H	1239	CLA	O2D-CGD-CBD	6.05	121.81	111.23
14	b	1236	CLA	O2D-CGD-CBD	6.05	121.81	111.23
14	A	1103	CLA	C4A-NA-C1A	6.05	109.44	106.68
14	A	1126	CLA	C3B-C2B-C1B	-6.05	100.04	107.17
14	B	1239	CLA	O2D-CGD-CBD	6.05	121.80	111.23
13	A	1011	CL0	C2C-C1C-NC	6.04	116.33	109.98
14	B	1214	CLA	C2C-C1C-NC	6.04	116.33	109.98
14	B	1023	CLA	C2D-C1D-ND	6.04	116.11	110.13
14	G	1124	CLA	C4A-NA-C1A	6.04	109.44	106.68
14	H	1203	CLA	C2C-C1C-NC	6.04	116.33	109.98
13	a	1011	CL0	C2C-C1C-NC	6.04	116.33	109.98
14	G	1120	CLA	C4A-NA-C1A	6.04	109.44	106.68
14	B	1201	CLA	C4A-NA-C1A	6.04	109.43	106.68
14	B	1222	CLA	C4A-NA-C1A	6.04	109.43	106.68
14	B	1203	CLA	C2C-C1C-NC	6.04	116.32	109.98
13	G	1011	CL0	C2C-C1C-NC	6.03	116.32	109.98
14	b	1222	CLA	C4A-NA-C1A	6.03	109.43	106.68
14	H	1023	CLA	C2D-C1D-ND	6.03	116.09	110.13
14	a	1126	CLA	C3B-C2B-C1B	-6.03	100.06	107.17
14	H	1227	CLA	C2C-C1C-NC	6.02	116.31	109.98
14	G	1120	CLA	O2D-CGD-CBD	6.02	121.76	111.23
14	H	1224	CLA	O2D-CGD-CBD	6.02	121.75	111.23
14	H	1214	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	b	1022	CLA	C2D-C1D-ND	6.02	116.08	110.13
14	B	1023	CLA	C3B-C2B-C1B	-6.02	100.08	107.17
14	G	1123	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	G	1140	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	b	1023	CLA	C3B-C2B-C1B	-6.02	100.08	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1138	CLA	C4A-NA-C1A	6.01	109.42	106.68
14	H	1023	CLA	C3B-C2B-C1B	-6.01	100.08	107.17
14	B	1224	CLA	O2D-CGD-CBD	6.01	121.74	111.23
14	G	1120	CLA	C2D-C1D-ND	6.01	116.08	110.13
14	a	1124	CLA	C4A-NA-C1A	6.01	109.42	106.68
14	a	1127	CLA	C4A-NA-C1A	6.01	109.42	106.68
15	G	1121	F6C	O2D-CGD-CBD	6.01	121.73	111.23
14	A	1120	CLA	C2D-C1D-ND	6.00	116.07	110.13
14	a	1120	CLA	C2D-C1D-ND	6.00	116.07	110.13
14	A	1140	CLA	C2C-C1C-NC	6.00	116.29	109.98
14	a	1127	CLA	C2C-C1C-NC	6.00	116.29	109.98
14	A	1120	CLA	O2D-CGD-CBD	6.00	121.72	111.23
14	G	1126	CLA	O2D-CGD-CBD	6.00	121.72	111.23
14	A	1127	CLA	CMD-C2D-C1D	6.00	135.30	124.73
14	a	1120	CLA	O2D-CGD-CBD	6.00	121.72	111.23
14	b	1218	CLA	C1C-C2C-C3C	-6.00	100.67	106.98
15	A	1121	F6C	O2D-CGD-CBD	6.00	121.72	111.23
15	a	1121	F6C	O2D-CGD-CBD	6.00	121.72	111.23
14	a	1114	CLA	C1C-C2C-C3C	-6.00	100.67	106.98
14	b	1217	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	H	1217	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	B	1227	CLA	C2C-C1C-NC	5.99	116.28	109.98
14	A	1123	CLA	C2C-C1C-NC	5.99	116.28	109.98
14	a	1138	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	A	1127	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	G	1127	CLA	CMD-C2D-C1D	5.99	135.27	124.73
14	a	1127	CLA	CMD-C2D-C1D	5.99	135.27	124.73
14	B	1217	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	G	1122	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	b	1201	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	b	1224	CLA	O2D-CGD-CBD	5.98	121.69	111.23
14	H	1203	CLA	C1C-C2C-C3C	-5.98	100.69	106.98
14	A	1126	CLA	O2D-CGD-CBD	5.98	121.69	111.23
14	a	1120	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	H	1201	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	H	1222	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	a	1123	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	B	1203	CLA	C1C-C2C-C3C	-5.98	100.69	106.98
14	G	1137	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	H	1218	CLA	C1C-C2C-C3C	-5.97	100.70	106.98
14	a	1126	CLA	O2D-CGD-CBD	5.97	121.67	111.23
14	a	1140	CLA	C2C-C1C-NC	5.97	116.25	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1227	CLA	C2C-C1C-NC	5.97	116.25	109.98
14	A	1114	CLA	C1C-C2C-C3C	-5.97	100.70	106.98
14	A	1122	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	b	1203	CLA	C1C-C2C-C3C	-5.97	100.71	106.98
14	G	1127	CLA	C2C-C1C-NC	5.96	116.25	109.98
14	B	1218	CLA	C1C-C2C-C3C	-5.96	100.71	106.98
14	a	1123	CLA	C4A-NA-C1A	5.96	109.40	106.68
14	G	1114	CLA	C1C-C2C-C3C	-5.96	100.71	106.98
14	b	1205	CLA	O2A-CGA-O1A	-5.96	108.72	123.63
14	G	1104	CLA	O2D-CGD-CBD	5.96	121.64	111.23
14	B	1205	CLA	O2A-CGA-O1A	-5.96	108.73	123.63
14	G	1104	CLA	C2D-C1D-ND	5.95	116.02	110.13
14	a	1109	CLA	C4A-NA-C1A	5.95	109.39	106.68
14	a	1122	CLA	C4A-NA-C1A	5.95	109.39	106.68
14	H	1205	CLA	O2A-CGA-O1A	-5.95	108.75	123.63
14	A	1104	CLA	O2D-CGD-CBD	5.94	121.62	111.23
14	a	1104	CLA	C2D-C1D-ND	5.94	116.01	110.13
14	A	1136	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	a	1134	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	a	1104	CLA	O2D-CGD-CBD	5.93	121.60	111.23
14	G	1136	CLA	C2C-C1C-NC	5.93	116.21	109.98
14	G	1122	CLA	O2D-CGD-CBD	5.92	121.58	111.23
14	A	1122	CLA	O2D-CGD-CBD	5.92	121.58	111.23
14	A	1104	CLA	C2D-C1D-ND	5.92	115.98	110.13
14	A	1137	CLA	C4A-NA-C1A	5.92	109.38	106.68
14	a	1122	CLA	O2D-CGD-CBD	5.92	121.57	111.23
14	H	1225	CLA	C2C-C1C-NC	5.92	116.19	109.98
14	G	1132	CLA	C3B-C2B-C1B	-5.91	100.20	107.17
14	k	1401	CLA	C2C-C1C-NC	5.91	116.19	109.98
14	a	1136	CLA	C2C-C1C-NC	5.91	116.19	109.98
14	A	1132	CLA	C3B-C2B-C1B	-5.91	100.20	107.17
13	a	1011	CL0	O2D-CGD-CBD	5.91	121.56	111.23
14	a	1132	CLA	C3B-C2B-C1B	-5.91	100.21	107.17
14	A	1109	CLA	C4A-NA-C1A	5.91	109.37	106.68
14	B	1204	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	G	1012	CLA	C2C-C1C-NC	5.90	116.18	109.98
13	A	1011	CL0	O2D-CGD-CBD	5.90	121.54	111.23
14	K	1401	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	b	1232	CLA	C2C-C1C-NC	5.89	116.17	109.98
14	A	1134	CLA	C2C-C1C-NC	5.89	116.17	109.98
14	G	1109	CLA	C4A-NA-C1A	5.89	109.37	106.68
14	G	1134	CLA	C2C-C1C-NC	5.89	116.17	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1205	CLA	C2D-C1D-ND	5.89	115.95	110.13
14	H	1205	CLA	C2D-C1D-ND	5.89	115.95	110.13
13	G	1011	CL0	O2D-CGD-CBD	5.89	121.53	111.23
14	a	1137	CLA	C1C-C2C-C3C	-5.89	100.79	106.98
14	a	1137	CLA	C4A-NA-C1A	5.89	109.36	106.68
14	B	1225	CLA	C2C-C1C-NC	5.89	116.16	109.98
14	V	1501	CLA	C1C-C2C-C3C	-5.88	100.79	106.98
14	a	1109	CLA	C1C-C2C-C3C	-5.88	100.80	106.98
14	H	1215	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	H	1221	CLA	O2D-CGD-CBD	5.88	121.50	111.23
14	A	1012	CLA	C2C-C1C-NC	5.88	116.15	109.98
14	B	1221	CLA	O2D-CGD-CBD	5.88	121.50	111.23
14	H	1232	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	B	1221	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	H	1221	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	M	1501	CLA	C1C-C2C-C3C	-5.87	100.81	106.98
14	a	1012	CLA	C2C-C1C-NC	5.87	116.14	109.98
14	b	1225	CLA	C2C-C1C-NC	5.87	116.14	109.98
14	b	1205	CLA	C2D-C1D-ND	5.87	115.93	110.13
14	A	1109	CLA	C1C-C2C-C3C	-5.87	100.81	106.98
14	T	1401	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	B	1232	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	b	1215	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	A	1123	CLA	C4A-NA-C1A	5.86	109.35	106.68
14	B	1236	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	H	1204	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	b	1221	CLA	O2D-CGD-CBD	5.85	121.46	111.23
14	A	1137	CLA	C1C-C2C-C3C	-5.85	100.83	106.98
14	b	1204	CLA	C2C-C1C-NC	5.85	116.13	109.98
14	G	1137	CLA	C1C-C2C-C3C	-5.85	100.83	106.98
14	B	1215	CLA	C2C-C1C-NC	5.85	116.12	109.98
14	b	1221	CLA	C2C-C1C-NC	5.85	116.12	109.98
14	m	1501	CLA	C1C-C2C-C3C	-5.85	100.83	106.98
14	b	1236	CLA	C2C-C1C-NC	5.85	116.12	109.98
14	G	1123	CLA	C4A-NA-C1A	5.84	109.34	106.68
14	H	1236	CLA	C1C-C2C-C3C	-5.84	100.83	106.98
14	G	1109	CLA	C1C-C2C-C3C	-5.84	100.83	106.98
14	H	1236	CLA	C2C-C1C-NC	5.84	116.12	109.98
14	b	1224	CLA	O2A-CGA-O1A	-5.83	109.03	123.63
14	B	1236	CLA	C1C-C2C-C3C	-5.83	100.85	106.98
14	b	1213	CLA	C3B-C2B-C1B	-5.83	100.30	107.17
14	G	1112	CLA	C2C-C1C-NC	5.83	116.10	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1236	CLA	C1C-C2C-C3C	-5.82	100.86	106.98
14	G	1110	CLA	O2D-CGD-CBD	5.82	121.40	111.23
14	A	1110	CLA	O2D-CGD-CBD	5.82	121.40	111.23
14	B	1224	CLA	O2A-CGA-O1A	-5.81	109.09	123.63
14	a	1141	CLA	C2C-C1C-NC	5.81	116.08	109.98
14	A	1136	CLA	C4A-NA-C1A	5.81	109.33	106.68
14	H	1215	CLA	C4A-NA-C1A	5.81	109.33	106.68
14	b	1226	CLA	O2A-CGA-O1A	-5.81	109.10	123.63
14	a	1110	CLA	O2D-CGD-CBD	5.81	121.38	111.23
14	b	1236	CLA	C3D-C2D-C1D	-5.81	97.91	105.83
14	B	1236	CLA	C3D-C2D-C1D	-5.81	97.91	105.83
14	H	1236	CLA	C3D-C2D-C1D	-5.80	97.91	105.83
14	a	1112	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	b	1208	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	B	1239	CLA	C1C-C2C-C3C	-5.80	100.88	106.98
14	H	1239	CLA	C1C-C2C-C3C	-5.80	100.88	106.98
14	A	1112	CLA	O2D-CGD-CBD	5.80	121.37	111.23
14	B	1213	CLA	C3B-C2B-C1B	-5.80	100.33	107.17
14	B	1203	CLA	C2D-C1D-ND	5.80	115.87	110.13
14	H	1224	CLA	O2A-CGA-O1A	-5.80	109.12	123.63
14	B	1226	CLA	O2A-CGA-O1A	-5.80	109.13	123.63
14	G	1120	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	b	1203	CLA	C2D-C1D-ND	5.80	115.86	110.13
14	B	1221	CLA	C4A-NA-C1A	5.80	109.32	106.68
14	b	1222	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	A	1112	CLA	C2C-C1C-NC	5.79	116.07	109.98
14	H	1226	CLA	O2A-CGA-O1A	-5.79	109.14	123.63
14	H	1203	CLA	C2D-C1D-ND	5.79	115.86	110.13
14	A	1141	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	G	1112	CLA	O2D-CGD-CBD	5.79	121.35	111.23
14	a	1112	CLA	O2D-CGD-CBD	5.79	121.35	111.23
14	b	1212	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	G	1105	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	B	1215	CLA	C4A-NA-C1A	5.79	109.32	106.68
14	b	1239	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	B	1209	CLA	C2C-C1C-NC	5.78	116.06	109.98
14	A	1120	CLA	C2C-C1C-NC	5.78	116.06	109.98
18	B	4005	BCR	C24-C23-C22	-5.78	117.68	126.23
14	B	1222	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	a	1120	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	a	1139	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	A	1105	CLA	C2C-C1C-NC	5.78	116.05	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1139	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	G	1139	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	U	1501	CLA	C1C-C2C-C3C	-5.78	100.91	106.98
14	A	1108	CLA	O2D-CGD-CBD	5.77	121.32	111.23
14	G	1120	CLA	C1C-C2C-C3C	-5.77	100.91	106.98
14	B	1240	CLA	C3B-C2B-C1B	-5.77	100.37	107.17
14	b	1240	CLA	C3B-C2B-C1B	-5.77	100.37	107.17
14	G	1106	CLA	C2C-C1C-NC	5.77	116.04	109.98
14	G	1136	CLA	C4A-NA-C1A	5.77	109.31	106.68
14	a	1108	CLA	O2D-CGD-CBD	5.77	121.31	111.23
14	a	1127	CLA	C1C-C2C-C3C	-5.77	100.91	106.98
14	b	1209	CLA	C2C-C1C-NC	5.77	116.04	109.98
14	k	1401	CLA	C2D-C1D-ND	5.76	115.83	110.13
14	b	1216	CLA	C2C-C1C-NC	5.76	116.03	109.98
18	H	4005	BCR	C24-C23-C22	-5.76	117.71	126.23
14	G	1141	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	G	1108	CLA	O2D-CGD-CBD	5.76	121.30	111.23
14	B	1208	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	B	1212	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	A	1118	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	L	1501	CLA	C1C-C2C-C3C	-5.76	100.93	106.98
14	H	1213	CLA	C3B-C2B-C1B	-5.76	100.39	107.17
14	H	1226	CLA	O2D-CGD-CBD	5.75	121.29	111.23
14	b	1203	CLA	C3D-C2D-C1D	-5.75	97.98	105.83
14	b	1215	CLA	C4A-NA-C1A	5.75	109.30	106.68
14	H	1222	CLA	C2C-C1C-NC	5.75	116.03	109.98
14	K	1401	CLA	C2D-C1D-ND	5.75	115.82	110.13
14	a	1125	CLA	O2D-CGD-CBD	5.75	121.28	111.23
14	H	1212	CLA	C2C-C1C-NC	5.75	116.02	109.98
15	A	1121	F6C	CAA-C2A-C1A	-5.75	111.94	128.01
14	l	1501	CLA	C1C-C2C-C3C	-5.75	100.93	106.98
14	T	1401	CLA	C2D-C1D-ND	5.75	115.81	110.13
14	H	1203	CLA	C3D-C2D-C1D	-5.75	97.99	105.83
14	a	1136	CLA	C4A-NA-C1A	5.74	109.30	106.68
14	G	1104	CLA	C2C-C1C-NC	5.74	116.02	109.98
14	G	1125	CLA	O2D-CGD-CBD	5.74	121.27	111.23
14	b	1221	CLA	C4A-NA-C1A	5.74	109.30	106.68
14	A	1106	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	a	1131	CLA	C1C-C2C-C3C	-5.74	100.94	106.98
14	H	1221	CLA	C4A-NA-C1A	5.74	109.30	106.68
18	b	4005	BCR	C24-C23-C22	-5.74	117.74	126.23
14	B	1226	CLA	O2D-CGD-CBD	5.74	121.27	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1216	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	H	1218	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	B	1203	CLA	C3D-C2D-C1D	-5.74	98.00	105.83
14	G	1118	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	H	1209	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	A	1104	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	G	1012	CLA	C1C-C2C-C3C	-5.74	100.95	106.98
14	G	1131	CLA	C1C-C2C-C3C	-5.74	100.95	106.98
14	G	1124	CLA	C2C-C1C-NC	5.74	116.01	109.98
15	G	1121	F6C	CAA-C2A-C1A	-5.73	111.99	128.01
14	H	1214	CLA	O2D-CGD-CBD	5.73	121.25	111.23
15	a	1121	F6C	CAA-C2A-C1A	-5.73	111.99	128.01
14	a	1105	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	a	1106	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	b	1226	CLA	O2D-CGD-CBD	5.73	121.25	111.23
14	a	1118	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	A	1120	CLA	C1C-C2C-C3C	-5.73	100.95	106.98
14	H	1216	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	A	1127	CLA	C1C-C2C-C3C	-5.73	100.96	106.98
14	A	1131	CLA	C1C-C2C-C3C	-5.73	100.96	106.98
14	A	1125	CLA	O2D-CGD-CBD	5.73	121.24	111.23
14	H	1240	CLA	C3B-C2B-C1B	-5.72	100.42	107.17
14	b	1218	CLA	C2C-C1C-NC	5.72	116.00	109.98
14	G	1102	CLA	O2D-CGD-CBD	5.72	121.24	111.23
14	b	1212	CLA	C3B-C2B-C1B	-5.72	100.42	107.17
14	B	1214	CLA	O2D-CGD-CBD	5.72	121.23	111.23
14	H	1208	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	A	1102	CLA	O2D-CGD-CBD	5.72	121.22	111.23
18	H	4010	BCR	C20-C19-C18	5.71	142.03	126.36
14	b	1221	CLA	C1C-C2C-C3C	-5.71	100.97	106.98
18	A	4001	BCR	C7-C8-C9	-5.71	117.78	126.23
14	A	1103	CLA	C2C-C1C-NC	5.71	115.98	109.98
18	b	4010	BCR	C20-C19-C18	5.71	142.02	126.36
14	A	1012	CLA	C1C-C2C-C3C	-5.71	100.97	106.98
18	B	4010	BCR	C20-C19-C18	5.71	142.02	126.36
14	B	1218	CLA	C2C-C1C-NC	5.71	115.98	109.98
18	G	4001	BCR	C7-C8-C9	-5.71	117.79	126.23
18	U	4022	BCR	C7-C8-C9	-5.71	117.79	126.23
14	a	1013	CLA	C3B-C2B-C1B	-5.71	100.44	107.17
14	G	1107	CLA	C2C-C1C-NC	5.71	115.98	109.98
14	b	1022	CLA	C4A-NA-C1A	5.71	109.28	106.68
14	H	1221	CLA	C1C-C2C-C3C	-5.71	100.98	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1214	CLA	O2D-CGD-CBD	5.71	121.20	111.23
14	a	1103	CLA	C2C-C1C-NC	5.71	115.97	109.98
18	L	4022	BCR	C7-C8-C9	-5.70	117.80	126.23
18	b	4009	BCR	C24-C23-C22	-5.70	117.80	126.23
14	b	1240	CLA	O2A-CGA-O1A	-5.70	109.36	123.63
18	a	4001	BCR	C7-C8-C9	-5.70	117.80	126.23
14	G	1127	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	H	1240	CLA	O2A-CGA-O1A	-5.70	109.37	123.63
18	l	4022	BCR	C7-C8-C9	-5.70	117.81	126.23
14	B	1240	CLA	O2A-CGA-O1A	-5.70	109.38	123.63
14	B	1221	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	a	1120	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	A	1013	CLA	C3B-C2B-C1B	-5.70	100.45	107.17
14	B	1212	CLA	C3B-C2B-C1B	-5.70	100.46	107.17
14	a	1102	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	a	1012	CLA	C1C-C2C-C3C	-5.69	100.99	106.98
14	a	1109	CLA	O2D-CGD-CBD	5.69	121.18	111.23
14	G	1103	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	a	1104	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	B	1205	CLA	CMD-C2D-C1D	5.69	134.75	124.73
14	A	1124	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	H	1218	CLA	C2D-C1D-ND	5.69	115.76	110.13
14	b	1205	CLA	CMD-C2D-C1D	5.69	134.74	124.73
14	b	1218	CLA	C2D-C1D-ND	5.68	115.75	110.13
14	a	1107	CLA	C2C-C1C-NC	5.68	115.95	109.98
14	a	1126	CLA	C2C-C1C-NC	5.68	115.95	109.98
18	m	4021	BCR	C15-C14-C13	-5.68	119.31	127.28
14	A	1111	CLA	O2D-CGD-CBD	5.68	121.16	111.23
14	H	1212	CLA	C3B-C2B-C1B	-5.68	100.47	107.17
14	a	1111	CLA	O2D-CGD-CBD	5.68	121.16	111.23
18	V	4021	BCR	C15-C14-C13	-5.68	119.31	127.28
18	B	4009	BCR	C24-C23-C22	-5.68	117.83	126.23
14	G	1013	CLA	C3B-C2B-C1B	-5.68	100.47	107.17
14	H	1240	CLA	C1C-C2C-C3C	-5.68	101.01	106.98
14	G	1111	CLA	O2D-CGD-CBD	5.67	121.15	111.23
14	b	1220	CLA	C1C-C2C-C3C	-5.67	101.01	106.98
14	A	1107	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	a	1124	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	B	1228	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	b	1218	CLA	O2D-CGD-CBD	5.67	121.14	111.23
14	A	1109	CLA	O2D-CGD-CBD	5.67	121.14	111.23
14	B	1208	CLA	O2A-CGA-O1A	-5.67	109.45	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1229	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	G	1109	CLA	O2D-CGD-CBD	5.67	121.14	111.23
14	b	1208	CLA	O2A-CGA-O1A	-5.67	109.45	123.63
14	H	1208	CLA	O2A-CGA-O1A	-5.67	109.46	123.63
14	K	1401	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	a	1104	CLA	C3D-C2D-C1D	-5.66	98.10	105.83
14	H	1228	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	b	1218	CLA	C4A-NA-C1A	5.66	109.26	106.68
18	M	4021	BCR	C15-C14-C13	-5.66	119.33	127.28
14	H	1205	CLA	CMD-C2D-C1D	5.66	134.70	124.73
14	G	1112	CLA	C4A-NA-C1A	5.66	109.26	106.68
14	B	1218	CLA	C2D-C1D-ND	5.66	115.73	110.13
14	T	1401	CLA	C3D-C2D-C1D	-5.66	98.11	105.83
14	B	1218	CLA	O2D-CGD-CBD	5.66	121.12	111.23
14	B	1022	CLA	C4A-NA-C1A	5.66	109.26	106.68
14	H	1218	CLA	O2D-CGD-CBD	5.66	121.12	111.23
14	B	1220	CLA	C1C-C2C-C3C	-5.66	101.03	106.98
14	B	1229	CLA	C3B-C2B-C1B	-5.65	100.50	107.17
14	H	1229	CLA	C3B-C2B-C1B	-5.65	100.50	107.17
14	k	1401	CLA	C3D-C2D-C1D	-5.65	98.12	105.83
14	b	1228	CLA	C2C-C1C-NC	5.65	115.91	109.98
14	A	1103	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
14	a	1120	CLA	C3D-C2D-C1D	-5.64	98.13	105.83
14	G	1126	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	b	1229	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
14	G	1120	CLA	C3D-C2D-C1D	-5.64	98.13	105.83
14	A	1126	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	B	1234	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	A	1108	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	b	1240	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
18	H	4009	BCR	C24-C23-C22	-5.64	117.89	126.23
14	G	1108	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	A	1112	CLA	C4A-NA-C1A	5.64	109.25	106.68
14	B	1229	CLA	C2C-C1C-NC	5.63	115.90	109.98
14	G	1103	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	G	1104	CLA	C3D-C2D-C1D	-5.63	98.14	105.83
13	A	1011	CL0	C1C-C2C-C3C	-5.63	101.06	106.98
14	B	1240	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	a	1108	CLA	C2C-C1C-NC	5.63	115.89	109.98
14	A	1120	CLA	C3D-C2D-C1D	-5.63	98.15	105.83
14	B	1235	CLA	C4A-NA-C1A	5.63	109.25	106.68
14	H	1234	CLA	C2C-C1C-NC	5.63	115.89	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1229	CLA	C2C-C1C-NC	5.63	115.89	109.98
14	b	1236	CLA	C1D-ND-C4D	-5.63	102.36	106.31
13	a	1011	CL0	C1C-C2C-C3C	-5.62	101.06	106.98
14	H	1218	CLA	C4A-NA-C1A	5.62	109.25	106.68
14	H	1220	CLA	C1C-C2C-C3C	-5.62	101.06	106.98
14	a	1103	CLA	C1C-C2C-C3C	-5.62	101.06	106.98
14	H	1223	CLA	C3D-C2D-C1D	-5.62	98.16	105.83
14	H	1236	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	a	1124	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
14	a	1104	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	a	1112	CLA	C4A-NA-C1A	5.62	109.24	106.68
14	A	1012	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
14	b	1223	CLA	C3D-C2D-C1D	-5.62	98.17	105.83
14	H	1236	CLA	C4A-NA-C1A	5.61	109.24	106.68
14	A	1104	CLA	C3D-C2D-C1D	-5.61	98.17	105.83
15	H	1237	F6C	C2D-C1D-ND	5.61	115.88	109.98
14	A	1124	CLA	C3B-C2B-C1B	-5.61	100.55	107.17
14	B	1218	CLA	C4A-NA-C1A	5.61	109.24	106.68
14	b	1236	CLA	C4A-NA-C1A	5.61	109.24	106.68
13	G	1011	CL0	C1C-C2C-C3C	-5.61	101.08	106.98
14	b	1234	CLA	C2C-C1C-NC	5.61	115.87	109.98
14	b	1201	CLA	O2A-CGA-O1A	-5.60	109.61	123.63
14	A	1104	CLA	C1D-ND-C4D	-5.60	102.38	106.31
14	G	1105	CLA	C3B-C2B-C1B	-5.60	100.57	107.17
14	B	1236	CLA	C4A-NA-C1A	5.60	109.23	106.68
14	B	1223	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	A	1136	CLA	O2A-CGA-O1A	-5.59	109.63	123.63
13	G	1011	CL0	CMD-C2D-C1D	5.59	134.58	124.73
14	a	1012	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	a	1136	CLA	O2A-CGA-O1A	-5.59	109.64	123.63
14	A	1130	CLA	C2C-C1C-NC	5.59	115.86	109.98
15	b	1238	F6C	C2C-C1C-NC	5.59	116.12	110.33
14	a	1105	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	a	1132	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	G	1104	CLA	C1D-ND-C4D	-5.59	102.39	106.31
14	a	1130	CLA	C2C-C1C-NC	5.59	115.85	109.98
13	A	1011	CL0	CMD-C2D-C1D	5.59	134.57	124.73
14	G	1110	CLA	C2C-C1C-NC	5.59	115.85	109.98
14	A	1105	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
15	H	1237	F6C	CMA-C3A-C2A	-5.59	111.04	126.15
13	a	1011	CL0	CMD-C2D-C1D	5.59	134.56	124.73
14	G	1136	CLA	O2A-CGA-O1A	-5.59	109.66	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	B	1237	F6C	C2D-C1D-ND	5.58	115.85	109.98
14	H	1022	CLA	C4A-NA-C1A	5.58	109.23	106.68
14	G	1012	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
14	B	1236	CLA	C1D-ND-C4D	-5.58	102.40	106.31
14	B	1201	CLA	O2A-CGA-O1A	-5.58	109.67	123.63
15	b	1230	F6C	CAA-C2A-C1A	-5.58	112.43	128.01
14	A	1110	CLA	C2C-C1C-NC	5.58	115.84	109.98
15	b	1237	F6C	CMA-C3A-C2A	-5.58	111.07	126.15
14	b	1214	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	G	1132	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	H	1215	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	G	1103	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
15	B	1237	F6C	CMA-C3A-C2A	-5.57	111.07	126.15
14	A	1103	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	H	1233	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	G	1124	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	a	1103	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	H	1201	CLA	O2A-CGA-O1A	-5.57	109.70	123.63
15	B	1238	F6C	C2C-C1C-NC	5.57	116.10	110.33
14	A	1132	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	b	1233	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	b	1023	CLA	C3D-C2D-C1D	-5.57	98.23	105.83
14	a	1110	CLA	C2C-C1C-NC	5.57	115.83	109.98
15	H	1230	F6C	CAA-C2A-C1A	-5.56	112.47	128.01
14	H	1203	CLA	C4A-NA-C1A	5.56	109.22	106.68
15	B	1230	F6C	CAA-C2A-C1A	-5.56	112.47	128.01
14	b	1201	CLA	C3B-C2B-C1B	-5.56	100.61	107.17
14	B	1215	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	H	1023	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
14	b	1235	CLA	C4A-NA-C1A	5.56	109.22	106.68
14	H	1224	CLA	C2C-C1C-NC	5.56	115.82	109.98
14	G	1115	CLA	O2A-CGA-O1A	-5.56	109.73	123.63
14	G	1115	CLA	C3B-C2B-C1B	-5.56	100.62	107.17
14	b	1213	CLA	O2D-CGD-CBD	5.56	120.94	111.23
14	B	1233	CLA	C1C-C2C-C3C	-5.56	101.14	106.98
14	B	1023	CLA	C3D-C2D-C1D	-5.56	98.25	105.83
14	H	1224	CLA	C3B-C2B-C1B	-5.55	100.62	107.17
15	H	1238	F6C	C2C-C1C-NC	5.55	116.08	110.33
14	A	1115	CLA	C3B-C2B-C1B	-5.55	100.62	107.17
14	B	1201	CLA	C3B-C2B-C1B	-5.55	100.62	107.17
14	B	1214	CLA	C1C-C2C-C3C	-5.55	101.14	106.98
14	a	1111	CLA	C3D-C2D-C1D	-5.55	98.26	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1115	CLA	O2A-CGA-O1A	-5.55	109.75	123.63
14	a	1115	CLA	C3B-C2B-C1B	-5.55	100.63	107.17
14	b	1215	CLA	C1C-C2C-C3C	-5.55	101.15	106.98
15	B	1219	F6C	C2C-C1C-NC	5.55	116.08	110.33
14	H	1201	CLA	C3B-C2B-C1B	-5.55	100.63	107.17
14	B	1213	CLA	O2D-CGD-CBD	5.55	120.92	111.23
14	U	1501	CLA	O2A-CGA-O1A	-5.54	109.76	123.63
14	A	1013	CLA	CMD-C2D-C1D	5.54	134.49	124.73
14	G	1124	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	G	1111	CLA	C3D-C2D-C1D	-5.54	98.27	105.83
14	A	1115	CLA	O2A-CGA-O1A	-5.54	109.77	123.63
14	B	1224	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	G	1130	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	A	1124	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	L	1501	CLA	O2A-CGA-O1A	-5.54	109.77	123.63
14	G	1136	CLA	O2D-CGD-CBD	5.54	120.92	111.23
14	a	1117	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	l	1501	CLA	O2A-CGA-O1A	-5.54	109.77	123.63
14	G	1013	CLA	CMD-C2D-C1D	5.54	134.48	124.73
14	B	1224	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
14	b	1224	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	a	1013	CLA	CMD-C2D-C1D	5.54	134.48	124.73
15	H	1219	F6C	C2C-C1C-NC	5.53	116.06	110.33
15	b	1219	F6C	C2C-C1C-NC	5.53	116.06	110.33
14	G	1135	CLA	C1C-C2C-C3C	-5.53	101.16	106.98
14	A	1111	CLA	C3D-C2D-C1D	-5.53	98.28	105.83
14	A	1112	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	H	1213	CLA	O2D-CGD-CBD	5.53	120.89	111.23
14	H	1226	CLA	C1C-C2C-C3C	-5.53	101.17	106.98
14	a	1118	CLA	C4A-NA-C1A	5.53	109.20	106.68
14	A	1013	CLA	C1D-ND-C4D	-5.53	102.44	106.31
14	a	1112	CLA	C3B-C2B-C1B	-5.53	100.66	107.17
14	B	1203	CLA	C4A-NA-C1A	5.52	109.20	106.68
14	a	1124	CLA	C2D-C1D-ND	5.52	115.59	110.13
14	A	1136	CLA	O2D-CGD-CBD	5.52	120.88	111.23
14	a	1114	CLA	O2D-CGD-CBD	5.52	120.88	111.23
14	G	1136	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
14	H	1235	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	A	1117	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
15	b	1237	F6C	C2D-C1D-ND	5.52	115.78	109.98
14	G	1013	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	G	1114	CLA	O2D-CGD-CBD	5.52	120.87	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1112	CLA	C3B-C2B-C1B	-5.52	100.67	107.17
14	B	1204	CLA	C1C-C2C-C3C	-5.52	101.18	106.98
14	b	1205	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	H	1214	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
15	b	1237	F6C	CMA-C3A-C4A	-5.51	115.02	124.73
14	A	1114	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	A	1113	CLA	C1D-ND-C4D	-5.51	102.44	106.31
14	G	1117	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
14	A	1013	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	a	1111	CLA	C2D-C1D-ND	5.51	115.58	110.13
14	b	1211	CLA	C3B-C2B-C1B	-5.51	100.68	107.17
15	H	1237	F6C	O2D-CGD-CBD	5.51	120.86	111.23
14	b	1203	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	A	1118	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	G	1113	CLA	C1D-ND-C4D	-5.50	102.45	106.31
14	B	1240	CLA	O2D-CGD-CBD	5.50	120.85	111.23
14	B	1204	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	b	1204	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	a	1013	CLA	C3D-C2D-C1D	-5.50	98.33	105.83
14	b	1224	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	a	1120	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	A	1111	CLA	C2D-C1D-ND	5.50	115.57	110.13
14	A	1135	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	G	1130	CLA	O2D-CGD-CBD	5.49	120.84	111.23
14	H	1240	CLA	O2D-CGD-CBD	5.49	120.84	111.23
18	b	4004	BCR	C20-C19-C18	5.49	141.43	126.36
14	H	1204	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	H	1225	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	a	1136	CLA	O2D-CGD-CBD	5.49	120.83	111.23
14	B	1226	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	a	1132	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	A	1130	CLA	O2D-CGD-CBD	5.49	120.83	111.23
15	B	1237	F6C	O2D-CGD-CBD	5.49	120.83	111.23
14	b	1240	CLA	O2D-CGD-CBD	5.49	120.83	111.23
15	b	1237	F6C	O2D-CGD-CBD	5.49	120.83	111.23
14	B	1205	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	A	1136	CLA	C1C-C2C-C3C	-5.49	101.21	106.98
14	A	1119	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	H	1205	CLA	C2C-C1C-NC	5.49	115.75	109.98
18	B	4004	BCR	C20-C19-C18	5.49	141.41	126.36
14	b	1209	CLA	O2D-CGD-CBD	5.49	120.83	111.23
14	A	1132	CLA	C2C-C1C-NC	5.49	115.75	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1013	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	G	1111	CLA	C2D-C1D-ND	5.49	115.56	110.13
15	B	1237	F6C	CMA-C3A-C4A	-5.49	115.06	124.73
14	B	1235	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	G	1120	CLA	C3B-C2B-C1B	-5.49	100.70	107.17
14	G	1131	CLA	C4A-NA-C1A	5.49	109.18	106.68
15	H	1237	F6C	C2C-C1C-NC	5.49	116.02	110.33
15	b	1237	F6C	C2C-C1C-NC	5.48	116.01	110.33
14	H	1209	CLA	O2D-CGD-CBD	5.48	120.82	111.23
14	G	1118	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	b	1204	CLA	C3B-C2B-C1B	-5.48	100.70	107.17
14	a	1130	CLA	O2D-CGD-CBD	5.48	120.82	111.23
14	B	1209	CLA	O2D-CGD-CBD	5.48	120.81	111.23
18	a	4005	BCR	C28-C27-C26	-5.48	104.28	114.06
14	A	1120	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
14	a	1113	CLA	C1D-ND-C4D	-5.48	102.47	106.31
14	b	1226	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	G	1119	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	a	1119	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	G	1128	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	B	1234	CLA	O2D-CGD-CBD	5.48	120.81	111.23
14	H	1218	CLA	C3D-C2D-C1D	-5.48	98.36	105.83
18	A	4005	BCR	C28-C27-C26	-5.48	104.29	114.06
18	G	4005	BCR	C28-C27-C26	-5.48	104.29	114.06
14	b	1218	CLA	C3D-C2D-C1D	-5.47	98.36	105.83
18	H	4004	BCR	C20-C19-C18	5.47	141.37	126.36
14	G	1132	CLA	C2C-C1C-NC	5.47	115.73	109.98
14	H	1235	CLA	C4A-NA-C1A	5.47	109.17	106.68
14	l	1502	CLA	C4A-NA-C1A	5.47	109.17	106.68
14	H	1223	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
14	a	1135	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	G	1135	CLA	O2D-CGD-CBD	5.47	120.79	111.23
14	H	1204	CLA	C3B-C2B-C1B	-5.47	100.73	107.17
14	A	1135	CLA	O2D-CGD-CBD	5.46	120.78	111.23
14	a	1128	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	G	1107	CLA	C1C-C2C-C3C	-5.46	101.23	106.98
14	a	1107	CLA	C1C-C2C-C3C	-5.46	101.23	106.98
14	B	1218	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	A	1128	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	G	1132	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	a	1113	CLA	C2C-C1C-NC	5.46	115.72	109.98
14	G	1105	CLA	C1C-C2C-C3C	-5.46	101.24	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1235	CLA	C2C-C1C-NC	5.46	115.72	109.98
15	B	1237	F6C	C2C-C1C-NC	5.46	115.98	110.33
14	a	1013	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	B	1225	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	G	1134	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	b	1225	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	b	1234	CLA	O2D-CGD-CBD	5.46	120.77	111.23
14	B	1211	CLA	C3B-C2B-C1B	-5.46	100.74	107.17
14	G	1124	CLA	C1C-C2C-C3C	-5.45	101.24	106.98
14	H	1234	CLA	O2D-CGD-CBD	5.45	120.76	111.23
15	H	1237	F6C	CMA-C3A-C4A	-5.45	115.13	124.73
14	a	1134	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	G	1113	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	G	1116	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	A	1105	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	a	1136	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	A	1107	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	a	1135	CLA	O2D-CGD-CBD	5.45	120.75	111.23
14	H	1206	CLA	C2D-C1D-ND	5.44	115.51	110.13
14	b	1206	CLA	C2D-C1D-ND	5.44	115.51	110.13
14	A	1132	CLA	C3D-C2D-C1D	-5.44	98.40	105.83
14	B	1223	CLA	C3B-C2B-C1B	-5.44	100.75	107.17
14	B	1234	CLA	C2D-C1D-ND	5.44	115.51	110.13
14	H	1218	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	b	1223	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	A	1141	CLA	C3D-C2D-C1D	-5.44	98.41	105.83
14	A	1134	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	a	1105	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	H	1211	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	a	1132	CLA	C3D-C2D-C1D	-5.44	98.41	105.83
14	a	1138	CLA	C3D-C2D-C1D	-5.44	98.41	105.83
14	A	1131	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	b	1221	CLA	C2D-C1D-ND	5.43	115.50	110.13
14	b	1021	CLA	C2C-C1C-NC	5.43	115.69	109.98
14	a	1129	CLA	C2C-C1C-NC	5.43	115.69	109.98
14	H	1234	CLA	C2D-C1D-ND	5.43	115.50	110.13
14	H	1202	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	B	1202	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	B	1206	CLA	C2D-C1D-ND	5.43	115.50	110.13
14	H	1021	CLA	C2C-C1C-NC	5.43	115.68	109.98
14	A	1113	CLA	C2C-C1C-NC	5.43	115.68	109.98
18	G	4006	BCR	C24-C23-C22	-5.43	118.21	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1141	CLA	C3D-C2D-C1D	-5.43	98.43	105.83
18	A	4006	BCR	C24-C23-C22	-5.43	118.21	126.23
14	a	1116	CLA	C2C-C1C-NC	5.43	115.68	109.98
14	B	1227	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
14	b	1202	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	B	1021	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	a	1141	CLA	C3D-C2D-C1D	-5.42	98.43	105.83
14	H	1220	CLA	C4A-NA-C1A	5.42	109.15	106.68
14	H	1227	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
14	b	1218	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	B	1022	CLA	CMD-C2D-C1D	5.42	134.27	124.73
14	A	1124	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
14	a	1137	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	H	1022	CLA	CMD-C2D-C1D	5.42	134.27	124.73
18	a	4006	BCR	C24-C23-C22	-5.42	118.22	126.23
14	B	1218	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	G	1138	CLA	O2D-CGD-CBD	5.41	120.70	111.23
14	A	1106	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	H	1210	CLA	O2A-C1-C2	5.41	128.94	108.11
14	G	1106	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	b	1227	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	B	1210	CLA	O2A-C1-C2	5.41	128.93	108.11
14	A	1116	CLA	C2C-C1C-NC	5.41	115.66	109.98
14	A	1138	CLA	O2D-CGD-CBD	5.41	120.69	111.23
18	b	4004	BCR	C7-C8-C9	-5.41	118.24	126.23
14	a	1122	CLA	C3B-C2B-C1B	-5.41	100.80	107.17
14	A	1138	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	a	1131	CLA	C4A-NA-C1A	5.41	109.14	106.68
14	B	1217	CLA	C1C-C2C-C3C	-5.41	101.30	106.98
14	b	1210	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	B	1221	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	a	1106	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	A	1122	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	G	1106	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	b	1023	CLA	C2C-C1C-NC	5.40	115.65	109.98
14	G	1013	CLA	O2D-CGD-CBD	5.40	120.67	111.23
14	a	1138	CLA	O2D-CGD-CBD	5.40	120.67	111.23
14	b	1204	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	G	1122	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	A	1137	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	a	1106	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	B	1204	CLA	C2D-C1D-ND	5.40	115.47	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1129	CLA	O2A-CGA-O1A	-5.40	110.13	123.63
14	G	1110	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	A	1106	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	b	1210	CLA	O2A-C1-C2	5.39	128.87	108.11
14	A	1129	CLA	C2C-C1C-NC	5.39	115.65	109.98
14	b	1234	CLA	C2D-C1D-ND	5.39	115.47	110.13
14	a	1013	CLA	O2D-CGD-CBD	5.39	120.66	111.23
14	a	1101	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	b	1022	CLA	CMD-C2D-C1D	5.39	134.23	124.73
14	H	1217	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	G	1138	CLA	C3D-C2D-C1D	-5.39	98.47	105.83
14	A	1013	CLA	O2D-CGD-CBD	5.39	120.66	111.23
14	H	1215	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	b	1215	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	b	1227	CLA	C3D-C2D-C1D	-5.39	98.47	105.83
14	G	1137	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	H	1023	CLA	C2C-C1C-NC	5.39	115.64	109.98
14	H	1203	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	a	1110	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	B	1023	CLA	C2C-C1C-NC	5.39	115.64	109.98
14	B	1229	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	b	1203	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	b	1229	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	H	1221	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	B	1227	CLA	C3D-C2D-C1D	-5.39	98.48	105.83
14	a	1124	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	A	1109	CLA	C3D-C2D-C1D	-5.38	98.48	105.83
14	H	1229	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	G	1122	CLA	C2C-C1C-NC	5.38	115.64	109.98
14	a	1109	CLA	C3D-C2D-C1D	-5.38	98.49	105.83
15	H	1219	F6C	O2D-CGD-CBD	5.38	120.64	111.23
14	A	1110	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
18	B	4004	BCR	C7-C8-C9	-5.38	118.28	126.23
14	b	1217	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
15	B	1219	F6C	O2D-CGD-CBD	5.38	120.63	111.23
13	A	1011	CL0	C4A-NA-C1A	5.38	109.13	106.68
14	B	1210	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
15	a	1121	F6C	C1C-C2C-C3C	-5.38	100.66	106.82
14	H	1204	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	B	1215	CLA	C3B-C2B-C1B	-5.37	100.83	107.17
14	G	1109	CLA	C3D-C2D-C1D	-5.37	98.50	105.83
14	H	1227	CLA	C3D-C2D-C1D	-5.37	98.50	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	H	4004	BCR	C7-C8-C9	-5.37	118.29	126.23
14	B	1022	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	B	1203	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	B	1208	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	A	1101	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	a	1122	CLA	C2C-C1C-NC	5.37	115.62	109.98
14	H	1222	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	b	1235	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	A	1102	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	a	1102	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	A	1129	CLA	O2A-CGA-O1A	-5.37	110.20	123.63
14	A	1141	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	B	1208	CLA	C1C-C2C-C3C	-5.37	101.34	106.98
15	b	1219	F6C	O2D-CGD-CBD	5.37	120.61	111.23
14	G	1101	CLA	C1C-C2C-C3C	-5.36	101.34	106.98
14	G	1141	CLA	C2D-C1D-ND	5.36	115.43	110.13
14	a	1141	CLA	C2D-C1D-ND	5.36	115.43	110.13
14	G	1129	CLA	C2C-C1C-NC	5.36	115.61	109.98
14	H	1210	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	B	1239	CLA	C3D-C2D-C1D	-5.36	98.51	105.83
14	G	1102	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
15	b	1238	F6C	C1A-C2A-C3A	-5.36	101.32	106.97
14	H	1022	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	b	1208	CLA	C1C-C2C-C3C	-5.36	101.34	106.98
14	a	1116	CLA	O2D-CGD-CBD	5.36	120.60	111.23
14	H	1222	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	L	1502	CLA	C4A-NA-C1A	5.36	109.12	106.68
13	G	1011	CL0	C2D-C1D-ND	5.36	115.43	110.13
14	H	1208	CLA	C3B-C2B-C1B	-5.36	100.86	107.17
14	A	1126	CLA	C1C-C2C-C3C	-5.36	101.35	106.98
14	H	1208	CLA	C1C-C2C-C3C	-5.36	101.35	106.98
14	A	1116	CLA	O2D-CGD-CBD	5.35	120.59	111.23
14	b	1022	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	b	1239	CLA	C3D-C2D-C1D	-5.35	98.52	105.83
14	A	1122	CLA	C2C-C1C-NC	5.35	115.61	109.98
14	b	1215	CLA	O2D-CGD-CBD	5.35	120.59	111.23
14	G	1129	CLA	O2A-CGA-O1A	-5.35	110.24	123.63
14	a	1126	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	a	1112	CLA	O2A-CGA-O1A	-5.35	110.24	123.63
14	G	1126	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	H	1215	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	G	1116	CLA	O2D-CGD-CBD	5.35	120.58	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1116	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	b	1232	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
13	A	1011	CL0	C2D-C1D-ND	5.35	115.42	110.13
15	B	1238	F6C	C1A-C2A-C3A	-5.35	101.34	106.97
14	H	1235	CLA	C3B-C2B-C1B	-5.35	100.87	107.17
14	H	1215	CLA	O2D-CGD-CBD	5.35	120.58	111.23
14	A	1139	CLA	C3D-C2D-C1D	-5.35	98.54	105.83
14	B	1235	CLA	C3B-C2B-C1B	-5.35	100.87	107.17
14	H	1239	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
15	H	1207	F6C	C3D-C2D-C1D	-5.34	98.09	105.83
14	b	1215	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	A	1127	CLA	C2D-C1D-ND	5.34	115.41	110.13
14	A	1112	CLA	O2A-CGA-O1A	-5.34	110.27	123.63
14	G	1139	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	B	1232	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	G	1139	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	G	1112	CLA	O2A-CGA-O1A	-5.34	110.27	123.63
14	B	1234	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	A	1124	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	b	1208	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	a	1124	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	B	1206	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
15	H	1238	F6C	C1A-C2A-C3A	-5.34	101.35	106.97
14	G	1124	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	U	1502	CLA	C2D-C1D-ND	5.34	115.41	110.13
14	b	1222	CLA	C2D-C1D-ND	5.34	115.41	110.13
15	B	1207	F6C	C3D-C2D-C1D	-5.34	98.10	105.83
14	H	1234	CLA	C3D-C2D-C1D	-5.34	98.55	105.83
14	G	1107	CLA	O2D-CGD-CBD	5.34	120.56	111.23
14	L	1502	CLA	C2D-C1D-ND	5.33	115.41	110.13
14	A	1139	CLA	C1C-C2C-C3C	-5.33	101.37	106.98
14	a	1126	CLA	O2A-CGA-O1A	-5.33	110.29	123.63
14	a	1139	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	a	1127	CLA	O2D-CGD-CBD	5.33	120.55	111.23
14	A	1127	CLA	O2D-CGD-CBD	5.33	120.55	111.23
14	b	1222	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
15	G	1121	F6C	C1C-C2C-C3C	-5.33	100.71	106.82
14	H	1232	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
13	a	1011	CL0	C2D-C1D-ND	5.33	115.40	110.13
14	G	1127	CLA	O2D-CGD-CBD	5.33	120.54	111.23
14	A	1107	CLA	O2D-CGD-CBD	5.33	120.54	111.23
14	B	1220	CLA	C4A-NA-C1A	5.33	109.11	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1140	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	H	1206	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	a	1139	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	B	1023	CLA	O2A-CGA-O1A	-5.33	110.31	123.63
14	H	1223	CLA	C2D-C1D-ND	5.33	115.40	110.13
14	B	1215	CLA	C3D-C2D-C1D	-5.32	98.56	105.83
14	B	1215	CLA	O2D-CGD-CBD	5.32	120.54	111.23
14	b	1206	CLA	C1C-C2C-C3C	-5.32	101.38	106.98
14	a	1134	CLA	O2D-CGD-CBD	5.32	120.54	111.23
15	A	1121	F6C	C1C-C2C-C3C	-5.32	100.72	106.82
14	A	1116	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	B	1222	CLA	C2D-C1D-ND	5.32	115.39	110.13
14	b	1234	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	b	1023	CLA	O2A-CGA-O1A	-5.32	110.32	123.63
14	H	1208	CLA	O2A-CGA-CBA	5.32	128.06	111.83
14	H	1023	CLA	O2A-CGA-O1A	-5.32	110.32	123.63
14	b	1223	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	G	1140	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	G	1127	CLA	C2D-C1D-ND	5.32	115.39	110.13
14	G	1133	CLA	C2D-C1D-ND	5.32	115.39	110.13
14	b	1223	CLA	C2D-C1D-ND	5.32	115.39	110.13
14	l	1502	CLA	C2D-C1D-ND	5.32	115.39	110.13
14	B	1223	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	b	1220	CLA	C4A-NA-C1A	5.32	109.10	106.68
14	a	1127	CLA	C2D-C1D-ND	5.31	115.39	110.13
14	G	1128	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
14	a	1013	CLA	O2A-CGA-O1A	-5.31	110.34	123.63
14	U	1502	CLA	C4A-NA-C1A	5.31	109.10	106.68
14	G	1123	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
15	b	1207	F6C	C3D-C2D-C1D	-5.31	98.14	105.83
14	a	1107	CLA	O2D-CGD-CBD	5.31	120.51	111.23
14	H	1223	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
14	B	1208	CLA	O2A-CGA-CBA	5.31	128.02	111.83
14	A	1118	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	a	1140	CLA	C1C-C2C-C3C	-5.31	101.40	106.98
14	G	1134	CLA	O2D-CGD-CBD	5.31	120.51	111.23
14	A	1126	CLA	O2A-CGA-O1A	-5.31	110.36	123.63
14	A	1116	CLA	C3B-C2B-C1B	-5.31	100.92	107.17
14	B	1222	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
14	A	1013	CLA	O2A-CGA-O1A	-5.30	110.36	123.63
14	G	1126	CLA	O2A-CGA-O1A	-5.30	110.36	123.63
14	G	1134	CLA	C3D-C2D-C1D	-5.30	98.60	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1118	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
14	G	1106	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	a	1118	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
14	H	1022	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	B	1225	CLA	O2A-CGA-O1A	-5.30	110.38	123.63
14	A	1134	CLA	O2D-CGD-CBD	5.30	120.49	111.23
14	H	1225	CLA	O2A-CGA-O1A	-5.30	110.38	123.63
14	K	1401	CLA	O2D-CGD-CBD	5.30	120.49	111.23
14	A	1123	CLA	C1C-C2C-C3C	-5.30	101.41	106.98
14	a	1133	CLA	C2D-C1D-ND	5.30	115.37	110.13
14	G	1136	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	k	1401	CLA	O2D-CGD-CBD	5.29	120.49	111.23
14	A	1133	CLA	C2D-C1D-ND	5.29	115.37	110.13
14	B	1022	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	b	1208	CLA	O2A-CGA-CBA	5.29	127.97	111.83
14	H	1208	CLA	C4A-NA-C1A	5.29	109.09	106.68
14	b	1210	CLA	C4A-NA-C1A	5.29	109.09	106.68
14	l	1501	CLA	C4A-NA-C1A	5.29	109.09	106.68
14	b	1220	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
14	G	1013	CLA	O2A-CGA-O1A	-5.29	110.40	123.63
14	A	1134	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	a	1134	CLA	C3D-C2D-C1D	-5.29	98.62	105.83
14	H	1240	CLA	C3D-C2D-C1D	-5.29	98.62	105.83
14	A	1106	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	B	1234	CLA	O2A-CGA-O1A	-5.28	110.41	123.63
14	G	1116	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	A	1104	CLA	O2A-CGA-O1A	-5.28	110.41	123.63
14	G	1116	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	G	1104	CLA	O2A-CGA-O1A	-5.28	110.41	123.63
13	G	1011	CL0	C4A-NA-C1A	5.28	109.09	106.68
14	A	1136	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	A	1128	CLA	C1C-C2C-C3C	-5.28	101.42	106.98
14	b	1225	CLA	O2A-CGA-O1A	-5.28	110.42	123.63
14	B	1220	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	H	1220	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	H	1234	CLA	O2A-CGA-O1A	-5.28	110.42	123.63
14	b	1234	CLA	O2A-CGA-O1A	-5.28	110.42	123.63
14	T	1401	CLA	O2D-CGD-CBD	5.28	120.46	111.23
14	a	1116	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	a	1104	CLA	O2A-CGA-O1A	-5.28	110.43	123.63
14	a	1012	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	a	1136	CLA	C3D-C2D-C1D	-5.28	98.63	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1106	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	a	1128	CLA	C1C-C2C-C3C	-5.27	101.43	106.98
14	B	1210	CLA	C2D-C1D-ND	5.27	115.35	110.13
14	H	1210	CLA	C2D-C1D-ND	5.27	115.35	110.13
14	A	1012	CLA	C3D-C2D-C1D	-5.27	98.63	105.83
14	B	1203	CLA	O2D-CGD-CBD	5.27	120.45	111.23
14	G	1107	CLA	C3B-C2B-C1B	-5.27	100.95	107.17
14	A	1115	CLA	C2C-C1C-NC	5.27	115.52	109.98
14	B	1208	CLA	C4A-NA-C1A	5.27	109.08	106.68
14	b	1240	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	H	1203	CLA	O2D-CGD-CBD	5.27	120.44	111.23
14	B	1223	CLA	C2D-C1D-ND	5.27	115.34	110.13
13	a	1011	CL0	C4A-NA-C1A	5.27	109.08	106.68
14	L	1501	CLA	C4A-NA-C1A	5.27	109.08	106.68
15	b	1207	F6C	C1C-C2C-C3C	-5.27	100.78	106.82
14	B	1210	CLA	C4A-NA-C1A	5.26	109.08	106.68
14	a	1123	CLA	C1C-C2C-C3C	-5.26	101.44	106.98
14	H	1222	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	a	1115	CLA	C2C-C1C-NC	5.26	115.51	109.98
14	a	1107	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	b	1022	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	B	1210	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	b	1220	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	G	1111	CLA	C2C-C1C-NC	5.26	115.51	109.98
14	H	1210	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	G	1108	CLA	C3D-C2D-C1D	-5.26	98.66	105.83
14	T	1401	CLA	C4A-NA-C1A	5.26	109.08	106.68
14	b	1236	CLA	O2A-CGA-O1A	-5.26	110.48	123.63
14	B	1236	CLA	O2A-CGA-O1A	-5.26	110.48	123.63
14	b	1203	CLA	O2D-CGD-CBD	5.25	120.42	111.23
14	A	1107	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
14	k	1401	CLA	C1D-ND-C4D	-5.25	102.63	106.31
14	a	1102	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	b	1210	CLA	C2D-C1D-ND	5.25	115.33	110.13
14	H	1220	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	A	1108	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
15	H	1207	F6C	C1C-C2C-C3C	-5.25	100.80	106.82
14	a	1129	CLA	C2D-C1D-ND	5.25	115.32	110.13
14	B	1226	CLA	O2A-CGA-CBA	5.25	127.84	111.83
14	H	1226	CLA	O2A-CGA-CBA	5.25	127.84	111.83
14	H	1236	CLA	O2A-CGA-O1A	-5.25	110.50	123.63
14	b	1210	CLA	C3D-C2D-C1D	-5.25	98.67	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1224	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	A	1108	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	G	1129	CLA	C2D-C1D-ND	5.25	115.32	110.13
14	A	1136	CLA	O2A-CGA-CBA	5.25	127.83	111.83
14	B	1240	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	G	1012	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	G	1136	CLA	O2A-CGA-CBA	5.25	127.83	111.83
14	B	1222	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	b	1226	CLA	O2A-CGA-CBA	5.24	127.82	111.83
14	K	1401	CLA	C4A-NA-C1A	5.24	109.07	106.68
14	a	1108	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	a	1136	CLA	O2A-CGA-CBA	5.24	127.82	111.83
14	B	1224	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	A	1012	CLA	O2A-CGA-O1A	-5.24	110.52	123.63
14	G	1129	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
15	B	1207	F6C	C1C-C2C-C3C	-5.24	100.82	106.82
18	G	4002	BCR	C24-C23-C22	-5.24	118.49	126.23
14	G	1117	CLA	C4A-NA-C1A	5.24	109.07	106.68
14	G	1141	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
14	b	1224	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	G	1012	CLA	O2A-CGA-O1A	-5.23	110.53	123.63
14	k	1401	CLA	C4A-NA-C1A	5.23	109.07	106.68
14	b	1209	CLA	C1C-C2C-C3C	-5.23	101.47	106.98
14	H	1235	CLA	O2A-CGA-O1A	-5.23	110.54	123.63
14	K	1401	CLA	C1D-ND-C4D	-5.23	102.64	106.31
14	b	1021	CLA	C2D-C1D-ND	5.23	115.31	110.13
14	G	1108	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	G	1102	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	a	1102	CLA	C2C-C1C-NC	5.23	115.48	109.98
18	A	4002	BCR	C24-C23-C22	-5.23	118.50	126.23
14	a	1108	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	A	1129	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	b	1222	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	a	1111	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	A	1111	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	H	1213	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	H	1210	CLA	C4A-NA-C1A	5.23	109.06	106.68
14	G	1113	CLA	C3B-C2B-C1B	-5.23	101.01	107.17
14	B	1235	CLA	O2A-CGA-O1A	-5.23	110.55	123.63
14	a	1012	CLA	O2A-CGA-O1A	-5.23	110.55	123.63
15	b	1237	F6C	CAA-C2A-C1A	-5.23	113.41	128.01
18	a	4002	BCR	C24-C23-C22	-5.23	118.50	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1211	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	U	1501	CLA	C4A-NA-C1A	5.23	109.06	106.68
15	B	1219	F6C	C1A-C2A-C3A	-5.23	101.47	106.97
14	T	1401	CLA	C1D-ND-C4D	-5.22	102.65	106.31
14	B	1220	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	A	1129	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
14	a	1135	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
14	B	1021	CLA	C2D-C1D-ND	5.22	115.30	110.13
14	A	1102	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	A	1141	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
14	b	1224	CLA	C2D-C1D-ND	5.22	115.29	110.13
15	H	1219	F6C	C1A-C2A-C3A	-5.22	101.47	106.97
14	b	1208	CLA	C4A-NA-C1A	5.22	109.06	106.68
14	b	1221	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	G	1115	CLA	C2C-C1C-NC	5.22	115.46	109.98
14	a	1111	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	H	1221	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	B	1209	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	A	1111	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	H	1201	CLA	C2C-C1C-NC	5.22	115.46	109.98
14	b	1213	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	b	1235	CLA	O2A-CGA-O1A	-5.22	110.58	123.63
14	B	1212	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	B	1221	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	a	1013	CLA	C2B-C1B-NB	5.22	115.73	110.33
14	B	1235	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	B	1213	CLA	C3D-C2D-C1D	-5.21	98.71	105.83
15	H	1237	F6C	CAA-C2A-C1A	-5.21	113.44	128.01
15	B	1237	F6C	CAA-C2A-C1A	-5.21	113.44	128.01
14	G	1106	CLA	C2D-C1D-ND	5.21	115.29	110.13
14	G	1141	CLA	C4A-NA-C1A	5.21	109.06	106.68
15	b	1219	F6C	C1A-C2A-C3A	-5.21	101.48	106.97
14	H	1213	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	G	1102	CLA	C2C-C1C-NC	5.21	115.45	109.98
14	b	1212	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	H	1235	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	b	1235	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	B	1213	CLA	C2C-C1C-NC	5.21	115.45	109.98
14	b	1228	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	a	1132	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	A	1129	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	b	1213	CLA	C2C-C1C-NC	5.21	115.45	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1211	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	H	1209	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	A	1102	CLA	C2C-C1C-NC	5.21	115.45	109.98
14	H	1212	CLA	C3D-C2D-C1D	-5.21	98.73	105.83
14	b	1205	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	a	1141	CLA	C4A-NA-C1A	5.20	109.05	106.68
14	H	1021	CLA	C2D-C1D-ND	5.20	115.28	110.13
14	a	1125	CLA	C1D-ND-C4D	-5.20	102.66	106.31
14	a	1113	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	a	1113	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	G	1129	CLA	C3D-C2D-C1D	-5.20	98.73	105.83
14	A	1141	CLA	C4A-NA-C1A	5.20	109.05	106.68
14	a	1129	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	G	1135	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
15	H	1207	F6C	C2D-C1D-ND	5.20	115.44	109.98
14	a	1125	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	G	1132	CLA	C2D-C1D-ND	5.20	115.27	110.13
14	H	1201	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	A	1135	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	G	1013	CLA	C2B-C1B-NB	5.20	115.72	110.33
14	b	1204	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	a	1129	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	B	1201	CLA	C2C-C1C-NC	5.20	115.44	109.98
14	a	1130	CLA	C1C-C2C-C3C	-5.20	101.52	106.98
14	b	1218	CLA	C1D-ND-C4D	-5.19	102.67	106.31
14	B	1205	CLA	C1C-C2C-C3C	-5.19	101.52	106.98
15	B	1207	F6C	C2D-C1D-ND	5.19	115.44	109.98
14	A	1013	CLA	C2B-C1B-NB	5.19	115.71	110.33
14	B	1201	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	H	1211	CLA	C2D-C1D-ND	5.19	115.26	110.13
14	A	1130	CLA	C1C-C2C-C3C	-5.19	101.52	106.98
14	B	1224	CLA	C2D-C1D-ND	5.19	115.26	110.13
14	a	1141	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	b	1201	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	A	1113	CLA	C3B-C2B-C1B	-5.19	101.06	107.17
15	b	1207	F6C	C2D-C1D-ND	5.19	115.43	109.98
14	A	1132	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	H	1224	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	B	1204	CLA	C3D-C2D-C1D	-5.18	98.76	105.83
14	G	1111	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	b	1224	CLA	O2A-CGA-CBA	5.18	127.63	111.83
14	A	1106	CLA	C2D-C1D-ND	5.18	115.25	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1128	CLA	O2A-CGA-O1A	-5.18	110.67	123.63
14	B	1231	CLA	C4A-NA-C1A	5.18	109.04	106.68
14	A	1125	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	H	1021	CLA	CMD-C2D-C1D	5.18	133.85	124.73
14	G	1128	CLA	O2A-CGA-O1A	-5.18	110.68	123.63
14	B	1206	CLA	O2D-CGD-CBD	5.18	120.28	111.23
14	k	1401	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	B	1224	CLA	O2A-CGA-CBA	5.17	127.61	111.83
14	H	1224	CLA	O2A-CGA-CBA	5.17	127.61	111.83
14	U	1502	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	B	1021	CLA	CMD-C2D-C1D	5.17	133.84	124.73
14	B	1218	CLA	C1D-ND-C4D	-5.17	102.68	106.31
14	a	1128	CLA	O2A-CGA-O1A	-5.17	110.69	123.63
14	b	1021	CLA	CMD-C2D-C1D	5.17	133.83	124.73
14	H	1228	CLA	C3B-C2B-C1B	-5.17	101.08	107.17
14	H	1204	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	a	1112	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
15	B	1237	F6C	CMD-C2D-C1D	5.17	133.11	125.03
14	b	1228	CLA	C3B-C2B-C1B	-5.17	101.08	107.17
14	H	1206	CLA	O2D-CGD-CBD	5.17	120.27	111.23
14	H	1204	CLA	C1D-ND-C4D	-5.17	102.69	106.31
14	A	1113	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	L	1502	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	H	1231	CLA	C1C-C2C-C3C	-5.17	101.55	106.98
14	B	1228	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	a	1116	CLA	C2D-C1D-ND	5.17	115.24	110.13
15	H	1237	F6C	CMD-C2D-C1D	5.17	133.11	125.03
14	A	1113	CLA	O2D-CGD-CBD	5.17	120.26	111.23
14	A	1137	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	G	1113	CLA	O2D-CGD-CBD	5.17	120.26	111.23
14	b	1201	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	G	1130	CLA	C1C-C2C-C3C	-5.16	101.55	106.98
18	m	4021	BCR	C7-C8-C9	-5.16	118.60	126.23
14	G	1125	CLA	C3B-C2B-C1B	-5.16	101.08	107.17
14	b	1231	CLA	C1C-C2C-C3C	-5.16	101.55	106.98
14	b	1201	CLA	C2D-C1D-ND	5.16	115.23	110.13
14	B	1208	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	G	1118	CLA	C2D-C1D-ND	5.16	115.23	110.13
14	H	1208	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	B	1232	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	G	1112	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	A	1112	CLA	C3D-C2D-C1D	-5.16	98.79	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1229	CLA	O2A-CGA-O1A	-5.16	110.72	123.63
14	G	1105	CLA	O2D-CGD-CBD	5.16	120.25	111.23
14	G	1137	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	B	1228	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	a	1137	CLA	C3D-C2D-C1D	-5.16	98.80	105.83
14	H	1205	CLA	C1C-C2C-C3C	-5.16	101.56	106.98
14	G	1133	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	B	1201	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	a	1133	CLA	O2D-CGD-CBD	5.15	120.24	111.23
14	a	1117	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	A	1105	CLA	O2D-CGD-CBD	5.15	120.23	111.23
14	G	1113	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	A	1117	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	B	1210	CLA	C2C-C1C-NC	5.15	115.39	109.98
18	V	4021	BCR	C7-C8-C9	-5.15	118.61	126.23
14	H	1232	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	b	1206	CLA	O2D-CGD-CBD	5.15	120.23	111.23
14	a	1110	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	b	1210	CLA	C2C-C1C-NC	5.15	115.39	109.98
14	H	1229	CLA	O2A-CGA-O1A	-5.15	110.75	123.63
14	H	1231	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	K	1401	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	a	1106	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	A	1118	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	A	1139	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	T	1401	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	b	1208	CLA	C3D-C2D-C1D	-5.14	98.81	105.83
14	l	1502	CLA	C3D-C2D-C1D	-5.14	98.81	105.83
14	b	1232	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
15	b	1237	F6C	CMD-C2D-C1D	5.14	133.07	125.03
14	H	1228	CLA	C3D-C2D-C1D	-5.14	98.81	105.83
14	A	1116	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	A	1117	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	A	1133	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	b	1210	CLA	C1-C2-C3	-5.14	117.78	126.20
14	a	1131	CLA	O2A-CGA-O1A	-5.14	110.77	123.63
18	M	4021	BCR	C7-C8-C9	-5.14	118.63	126.23
14	H	1210	CLA	C2C-C1C-NC	5.14	115.38	109.98
14	B	1231	CLA	C1C-C2C-C3C	-5.14	101.58	106.98
14	l	1503	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	A	1133	CLA	O2D-CGD-CBD	5.14	120.21	111.23
14	G	1133	CLA	O2D-CGD-CBD	5.14	120.21	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1229	CLA	O2A-CGA-O1A	-5.14	110.78	123.63
14	H	1201	CLA	C2D-C1D-ND	5.13	115.21	110.13
14	a	1139	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	A	1141	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	a	1118	CLA	C2D-C1D-ND	5.13	115.21	110.13
14	b	1204	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	B	1235	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	l	1502	CLA	C2C-C1C-NC	5.13	115.37	109.98
14	G	1124	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	G	1139	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	A	1125	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	a	1133	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	b	1023	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	a	1105	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	a	1120	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	G	1117	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	B	1204	CLA	C1D-ND-C4D	-5.13	102.72	106.31
14	U	1502	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
14	A	1113	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	H	1210	CLA	C1-C2-C3	-5.12	117.80	126.20
14	b	1206	CLA	O2A-CGA-O1A	-5.12	110.81	123.63
14	a	1105	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	G	1113	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	A	1110	CLA	C1C-C2C-C3C	-5.12	101.59	106.98
14	H	1206	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	G	1125	CLA	C1D-ND-C4D	-5.12	102.72	106.31
14	A	1124	CLA	O2D-CGD-CBD	5.12	120.18	111.23
14	A	1131	CLA	O2A-C1-C2	5.12	127.81	108.11
14	A	1131	CLA	O2A-CGA-O1A	-5.12	110.82	123.63
14	G	1110	CLA	C1C-C2C-C3C	-5.12	101.59	106.98
14	a	1124	CLA	O2D-CGD-CBD	5.12	120.18	111.23
14	b	1235	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	A	1105	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	B	1206	CLA	O2A-CGA-O1A	-5.12	110.83	123.63
14	a	1123	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
14	a	1131	CLA	O2A-C1-C2	5.12	127.80	108.11
14	a	1107	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	a	1113	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	A	1120	CLA	C1D-ND-C4D	-5.12	102.72	106.31
14	U	1502	CLA	C2C-C1C-NC	5.12	115.36	109.98
14	b	1231	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	B	1210	CLA	C1-C2-C3	-5.12	117.81	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	H	1230	F6C	C1A-C2A-C3A	-5.11	101.58	106.97
14	G	1105	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	L	1502	CLA	C2C-C1C-NC	5.11	115.35	109.98
14	a	1141	CLA	C1C-C2C-C3C	-5.11	101.60	106.98
14	G	1131	CLA	O2A-CGA-O1A	-5.11	110.84	123.63
14	B	1231	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	A	1107	CLA	C2D-C1D-ND	5.11	115.18	110.13
14	G	1107	CLA	C2D-C1D-ND	5.11	115.18	110.13
14	G	1131	CLA	O2A-C1-C2	5.11	127.76	108.11
14	l	1502	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
14	L	1503	CLA	C4A-NA-C1A	5.11	109.01	106.68
14	B	1206	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	a	1119	CLA	O2D-CGD-CBD	5.10	120.15	111.23
14	H	1218	CLA	C1D-ND-C4D	-5.10	102.73	106.31
14	G	1116	CLA	C2D-C1D-ND	5.10	115.18	110.13
14	B	1231	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
14	L	1502	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
14	m	1501	CLA	O2D-CGD-CBD	5.10	120.15	111.23
14	G	1128	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	b	1222	CLA	C1C-C2C-C3C	-5.10	101.61	106.98
14	b	1022	CLA	C2C-C1C-NC	5.10	115.34	109.98
14	H	1231	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	U	1503	CLA	C4A-NA-C1A	5.10	109.00	106.68
14	B	1217	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
15	b	1230	F6C	C1A-C2A-C3A	-5.10	101.60	106.97
14	H	1206	CLA	O2A-CGA-O1A	-5.10	110.88	123.63
14	H	1231	CLA	C2C-C1C-NC	5.10	115.33	109.98
14	a	1106	CLA	C4A-NA-C1A	5.10	109.00	106.68
14	A	1119	CLA	O2D-CGD-CBD	5.10	120.14	111.23
14	H	1202	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
14	B	1234	CLA	C1D-ND-C4D	-5.10	102.74	106.31
14	G	1106	CLA	C4A-NA-C1A	5.09	109.00	106.68
14	H	1229	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	b	1234	CLA	C1D-ND-C4D	-5.09	102.74	106.31
15	B	1230	F6C	C1A-C2A-C3A	-5.09	101.61	106.97
14	A	1118	CLA	C1C-C2C-C3C	-5.09	101.62	106.98
14	B	1202	CLA	C1C-C2C-C3C	-5.09	101.62	106.98
14	a	1113	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	b	1231	CLA	C4A-NA-C1A	5.09	109.00	106.68
15	b	1238	F6C	O2A-CGA-O1A	-5.09	110.89	123.63
14	b	1217	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	b	1206	CLA	C3D-C2D-C1D	-5.09	98.88	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1217	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	G	1120	CLA	C1D-ND-C4D	-5.09	102.74	106.31
14	G	1119	CLA	O2D-CGD-CBD	5.09	120.12	111.23
14	B	1022	CLA	C2C-C1C-NC	5.09	115.33	109.98
14	G	1134	CLA	C2D-C1D-ND	5.09	115.16	110.13
14	A	1119	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	M	1501	CLA	O2D-CGD-CBD	5.09	120.12	111.23
14	H	1235	CLA	C2D-C1D-ND	5.09	115.16	110.13
14	a	1128	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	L	1503	CLA	C1C-C2C-C3C	-5.09	101.63	106.98
14	b	1202	CLA	C1C-C2C-C3C	-5.09	101.63	106.98
14	A	1106	CLA	C4A-NA-C1A	5.09	109.00	106.68
14	H	1231	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	H	1233	CLA	C3D-C2D-C1D	-5.08	98.89	105.83
14	a	1118	CLA	C1C-C2C-C3C	-5.08	101.63	106.98
14	A	1128	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	G	1123	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	G	1131	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	L	1501	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	B	1227	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
15	B	1238	F6C	O2A-CGA-O1A	-5.08	110.92	123.63
14	A	1134	CLA	C2D-C1D-ND	5.08	115.15	110.13
14	B	1217	CLA	C2D-C1D-ND	5.08	115.15	110.13
15	b	1238	F6C	O2D-CGD-CBD	5.08	120.11	111.23
14	G	1118	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	L	1501	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	U	1503	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	l	1503	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	A	1123	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	b	1231	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	U	1501	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	G	1119	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	B	1232	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	U	1501	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	a	1117	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	b	1231	CLA	C3B-C2B-C1B	-5.08	101.19	107.17
15	B	1238	F6C	O2D-CGD-CBD	5.07	120.10	111.23
14	H	1217	CLA	C2D-C1D-ND	5.07	115.15	110.13
14	B	1229	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	b	1232	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
15	H	1238	F6C	O2D-CGD-CBD	5.07	120.09	111.23
14	a	1130	CLA	C3D-C2D-C1D	-5.07	98.91	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	1501	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	G	1106	CLA	O2A-CGA-O1A	-5.07	110.95	123.63
14	B	1232	CLA	C4A-NA-C1A	5.07	108.99	106.68
14	l	1501	CLA	C1D-ND-C4D	-5.07	102.76	106.31
14	b	1227	CLA	C3B-C2B-C1B	-5.07	101.20	107.17
14	V	1501	CLA	O2D-CGD-CBD	5.07	120.09	111.23
14	G	1139	CLA	C2D-C1D-ND	5.07	115.14	110.13
14	a	1106	CLA	O2A-CGA-O1A	-5.07	110.96	123.63
14	G	1141	CLA	C1C-C2C-C3C	-5.07	101.65	106.98
13	A	1011	CL0	O2A-CGA-O1A	-5.07	110.96	123.63
14	B	1233	CLA	C3D-C2D-C1D	-5.07	98.92	105.83
14	b	1229	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	B	1222	CLA	C1C-C2C-C3C	-5.06	101.65	106.98
13	a	1011	CL0	O2A-CGA-O1A	-5.06	110.96	123.63
14	A	1122	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	H	1227	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	G	1131	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	A	1106	CLA	O2A-CGA-O1A	-5.06	110.97	123.63
14	H	1227	CLA	C2D-C1D-ND	5.06	115.14	110.13
14	a	1134	CLA	C2D-C1D-ND	5.06	115.14	110.13
14	G	1138	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	H	1222	CLA	C1C-C2C-C3C	-5.06	101.66	106.98
14	b	1216	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	H	1233	CLA	O2D-CGD-CBD	5.06	120.08	111.23
14	H	1232	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	H	1216	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
14	H	1234	CLA	C1D-ND-C4D	-5.06	102.76	106.31
14	a	1119	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
14	b	1217	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	a	1122	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
14	b	1233	CLA	O2D-CGD-CBD	5.06	120.07	111.23
15	H	1238	F6C	O2A-CGA-O1A	-5.06	110.97	123.63
14	A	1123	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
14	a	1131	CLA	C3B-C2B-C1B	-5.05	101.21	107.17
14	a	1129	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	b	1232	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	B	1227	CLA	C2D-C1D-ND	5.05	115.13	110.13
14	L	1501	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	b	1213	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	A	1130	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
13	G	1011	CL0	O2A-CGA-O1A	-5.05	110.99	123.63
14	B	1233	CLA	O2D-CGD-CBD	5.05	120.06	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1231	CLA	C2C-C1C-NC	5.05	115.28	109.98
14	G	1122	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	B	1023	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	H	1214	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	A	1138	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
14	B	1216	CLA	C3D-C2D-C1D	-5.05	98.95	105.83
14	G	1123	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	G	1130	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	b	1233	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	B	1217	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
14	A	1131	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
14	H	1023	CLA	C1D-ND-C4D	-5.04	102.78	106.31
14	H	1213	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	U	1501	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	a	1102	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	A	1140	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	a	1123	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	A	1139	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	H	1022	CLA	C2C-C1C-NC	5.04	115.27	109.98
14	B	1214	CLA	C3D-C2D-C1D	-5.04	98.96	105.83
14	l	1501	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	m	1501	CLA	O2A-CGA-O1A	-5.04	111.03	123.63
14	b	1217	CLA	C3B-C2B-C1B	-5.03	101.23	107.17
14	H	1235	CLA	C1C-C2C-C3C	-5.03	101.69	106.98
14	a	1138	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
14	a	1139	CLA	C2D-C1D-ND	5.03	115.11	110.13
14	V	1501	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	G	1140	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	b	1214	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	a	1107	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	B	1213	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	b	1227	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	B	1235	CLA	C1C-C2C-C3C	-5.02	101.69	106.98
14	b	1239	CLA	C2D-C1D-ND	5.02	115.10	110.13
14	a	1140	CLA	C3D-C2D-C1D	-5.02	98.97	105.83
14	b	1215	CLA	C2D-C1D-ND	5.02	115.10	110.13
14	H	1211	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	A	1129	CLA	C1C-C2C-C3C	-5.02	101.70	106.98
14	G	1123	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	H	1232	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	B	1202	CLA	C2C-C1C-NC	5.02	115.25	109.98
14	A	1107	CLA	C3D-C2D-C1D	-5.02	98.98	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1211	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	H	1217	CLA	C3B-C2B-C1B	-5.02	101.26	107.17
14	B	1239	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	a	1131	CLA	C3D-C2D-C1D	-5.02	98.99	105.83
14	G	1102	CLA	C2D-C1D-ND	5.01	115.09	110.13
14	H	1222	CLA	O2A-CGA-O1A	-5.01	111.09	123.63
14	A	1131	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	B	1222	CLA	O2A-CGA-O1A	-5.01	111.10	123.63
14	a	1113	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	G	1107	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
14	M	1501	CLA	O2A-CGA-O1A	-5.01	111.11	123.63
14	b	1222	CLA	O2A-CGA-O1A	-5.00	111.11	123.63
14	G	1129	CLA	C1C-C2C-C3C	-5.00	101.72	106.98
14	H	1224	CLA	C4A-NA-C1A	5.00	108.96	106.68
14	a	1114	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	A	1137	CLA	C2D-C1D-ND	5.00	115.08	110.13
14	b	1216	CLA	C1C-C2C-C3C	-5.00	101.72	106.98
14	V	1501	CLA	O2A-CGA-O1A	-5.00	111.12	123.63
14	G	1118	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	H	1202	CLA	C2C-C1C-NC	5.00	115.23	109.98
14	G	1133	CLA	O2A-CGA-O1A	-5.00	111.13	123.63
14	B	1215	CLA	C2D-C1D-ND	5.00	115.07	110.13
14	a	1118	CLA	C3D-C2D-C1D	-4.99	99.02	105.83
14	G	1114	CLA	C3D-C2D-C1D	-4.99	99.02	105.83
14	G	1137	CLA	C2D-C1D-ND	4.99	115.07	110.13
14	G	1113	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	a	1112	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	B	1212	CLA	C4A-NA-C1A	4.99	108.95	106.68
14	H	1215	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	A	1108	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	A	1133	CLA	O2A-CGA-O1A	-4.99	111.15	123.63
14	G	1126	CLA	C2B-C1B-NB	4.99	115.50	110.33
14	A	1123	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	a	1123	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	G	1108	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	a	1133	CLA	O2A-CGA-O1A	-4.98	111.16	123.63
14	B	1211	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
14	H	1239	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	a	1137	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	b	1202	CLA	C2C-C1C-NC	4.98	115.22	109.98
14	A	1118	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
14	A	1102	CLA	C2D-C1D-ND	4.98	115.06	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1235	CLA	C1C-C2C-C3C	-4.98	101.74	106.98
14	A	1126	CLA	C2B-C1B-NB	4.98	115.49	110.33
14	H	1205	CLA	C1D-ND-C4D	-4.98	102.82	106.31
14	A	1114	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	b	1211	CLA	C1D-ND-C4D	-4.98	102.82	106.31
14	b	1211	CLA	C3D-C2D-C1D	-4.97	99.04	105.83
14	A	1113	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	G	1112	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	B	1225	CLA	C4A-NA-C1A	4.97	108.95	106.68
14	a	1108	CLA	C2D-C1D-ND	4.97	115.05	110.13
14	B	1203	CLA	O2A-CGA-O1A	-4.97	111.20	123.63
14	B	1216	CLA	C1C-C2C-C3C	-4.97	101.76	106.98
14	a	1108	CLA	C1C-C2C-C3C	-4.97	101.76	106.98
14	b	1225	CLA	C4A-NA-C1A	4.97	108.94	106.68
14	H	1203	CLA	O2A-CGA-O1A	-4.97	111.21	123.63
14	G	1108	CLA	C1C-C2C-C3C	-4.96	101.76	106.98
14	H	1216	CLA	C1C-C2C-C3C	-4.96	101.76	106.98
14	H	1213	CLA	C4A-NA-C1A	4.96	108.94	106.68
14	H	1220	CLA	C2D-C1D-ND	4.96	115.04	110.13
14	L	1502	CLA	C1D-ND-C4D	-4.96	102.83	106.31
14	A	1108	CLA	C1C-C2C-C3C	-4.96	101.77	106.98
14	a	1127	CLA	O2A-CGA-O1A	-4.96	111.23	123.63
14	b	1203	CLA	O2A-CGA-O1A	-4.96	111.23	123.63
14	H	1021	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	a	1126	CLA	C2B-C1B-NB	4.95	115.46	110.33
14	G	1136	CLA	C2D-C1D-ND	4.95	115.03	110.13
14	B	1205	CLA	C1D-ND-C4D	-4.95	102.84	106.31
14	b	1021	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	A	1136	CLA	C2D-C1D-ND	4.95	115.02	110.13
14	G	1101	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
14	a	1102	CLA	C1C-C2C-C3C	-4.95	101.78	106.98
14	H	1214	CLA	O2A-CGA-O1A	-4.94	111.26	123.63
14	B	1214	CLA	O2A-CGA-O1A	-4.94	111.26	123.63
14	b	1235	CLA	C1D-ND-C4D	-4.94	102.84	106.31
14	G	1116	CLA	C1C-C2C-C3C	-4.94	101.78	106.98
14	H	1211	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
14	B	1231	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	A	1119	CLA	C1C-C2C-C3C	-4.94	101.78	106.98
14	U	1502	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	A	1112	CLA	C1C-C2C-C3C	-4.94	101.79	106.98
18	B	4010	BCR	C15-C14-C13	-4.94	120.36	127.28
14	l	1502	CLA	C1D-ND-C4D	-4.94	102.85	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1211	CLA	C2C-C1C-NC	4.93	115.17	109.98
14	B	1021	CLA	C1C-C2C-C3C	-4.93	101.79	106.98
18	H	4010	BCR	C15-C14-C13	-4.93	120.36	127.28
14	a	1101	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
18	G	4006	BCR	C7-C8-C9	-4.93	118.94	126.23
14	G	1104	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	G	1127	CLA	O2A-CGA-O1A	-4.93	111.29	123.63
14	A	1104	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
18	a	4006	BCR	C7-C8-C9	-4.93	118.94	126.23
14	a	1126	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	b	1228	CLA	O2D-CGD-CBD	4.93	119.84	111.23
14	a	1136	CLA	C2D-C1D-ND	4.93	115.00	110.13
14	A	1127	CLA	O2A-CGA-O1A	-4.93	111.30	123.63
14	a	1104	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	G	1110	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	A	1116	CLA	C1C-C2C-C3C	-4.93	101.80	106.98
14	A	1101	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	A	1101	CLA	C3B-C2B-C1B	-4.92	101.36	107.17
14	G	1102	CLA	C1C-C2C-C3C	-4.92	101.80	106.98
14	B	1224	CLA	C4A-NA-C1A	4.92	108.92	106.68
18	b	4010	BCR	C15-C14-C13	-4.92	120.37	127.28
14	a	1110	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
14	a	1110	CLA	C2D-C1D-ND	4.92	115.00	110.13
14	A	1140	CLA	C4A-NA-C1A	4.92	108.92	106.68
14	a	1101	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	B	1228	CLA	O2D-CGD-CBD	4.92	119.83	111.23
14	G	1126	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	b	1214	CLA	O2A-CGA-O1A	-4.92	111.32	123.63
14	B	1213	CLA	C4A-NA-C1A	4.92	108.92	106.68
14	M	1501	CLA	C4A-NA-C1A	4.92	108.92	106.68
14	A	1116	CLA	O2A-CGA-O1A	-4.92	111.33	123.63
18	A	4006	BCR	C7-C8-C9	-4.92	118.96	126.23
14	A	1102	CLA	C1C-C2C-C3C	-4.92	101.81	106.98
14	H	1201	CLA	C1C-C2C-C3C	-4.92	101.81	106.98
14	a	1127	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	A	1110	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	B	1208	CLA	C2D-C1D-ND	4.92	114.99	110.13
14	B	1225	CLA	O2D-CGD-CBD	4.91	119.82	111.23
14	G	1119	CLA	C1C-C2C-C3C	-4.91	101.81	106.98
14	H	1212	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	A	1122	CLA	C2D-C1D-ND	4.91	114.99	110.13
14	A	1130	CLA	C3B-C2B-C1B	-4.91	101.38	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1201	CLA	C1C-C2C-C3C	-4.91	101.81	106.98
14	U	1503	CLA	O2A-CGA-O1A	-4.91	111.34	123.63
14	a	1116	CLA	C1C-C2C-C3C	-4.91	101.81	106.98
14	H	1228	CLA	O2D-CGD-CBD	4.91	119.82	111.23
14	B	1231	CLA	C2D-C1D-ND	4.91	114.99	110.13
14	A	1126	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
14	b	1212	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	b	1203	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	b	1231	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	G	1116	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
14	B	1228	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
14	B	1235	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	L	1503	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
14	G	1115	CLA	C2D-C1D-ND	4.91	114.98	110.13
14	H	1225	CLA	O2D-CGD-CBD	4.91	119.81	111.23
14	b	1233	CLA	O2A-CGA-O1A	-4.91	110.71	123.33
14	B	1225	CLA	C3B-C2B-C1B	-4.91	101.39	107.17
14	b	1225	CLA	O2D-CGD-CBD	4.91	119.81	111.23
14	l	1503	CLA	O2A-CGA-O1A	-4.90	111.36	123.63
14	a	1140	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	a	1116	CLA	O2A-CGA-O1A	-4.90	111.37	123.63
14	B	1203	CLA	C1D-ND-C4D	-4.90	102.87	106.31
14	a	1115	CLA	C1C-C2C-C3C	-4.90	101.83	106.98
14	b	1205	CLA	C1D-ND-C4D	-4.90	102.87	106.31
14	H	1233	CLA	O2A-CGA-O1A	-4.90	110.73	123.33
14	b	1211	CLA	C2C-C1C-NC	4.90	115.13	109.98
14	b	1210	CLA	O2A-CGA-O1A	-4.90	111.38	123.63
14	H	1211	CLA	C2C-C1C-NC	4.90	115.13	109.98
14	a	1122	CLA	C2D-C1D-ND	4.90	114.97	110.13
14	a	1109	CLA	O2A-CGA-O1A	-4.90	111.38	123.63
14	H	1228	CLA	O2A-CGA-O1A	-4.90	111.38	123.63
14	B	1212	CLA	O2D-CGD-O1D	-4.90	114.32	123.85
14	a	1130	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	b	1220	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	G	1101	CLA	C3D-C2D-C1D	-4.89	99.15	105.83
14	H	1204	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	B	1220	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	H	1208	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	a	1119	CLA	C1C-C2C-C3C	-4.89	101.84	106.98
14	G	1130	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	G	1109	CLA	O2A-CGA-O1A	-4.89	111.40	123.63
14	b	1212	CLA	O2D-CGD-O1D	-4.89	114.33	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1225	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	B	1210	CLA	O2A-CGA-O1A	-4.89	111.40	123.63
14	H	1227	CLA	C4A-NA-C1A	4.89	108.91	106.68
14	A	1127	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	A	1109	CLA	O2A-CGA-O1A	-4.89	111.40	123.63
14	A	1110	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	b	1204	CLA	O2A-CGA-O1A	-4.89	111.41	123.63
14	H	1231	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	H	1212	CLA	O2D-CGD-O1D	-4.88	114.34	123.85
14	H	1224	CLA	C1C-C2C-C3C	-4.88	101.84	106.98
14	B	1204	CLA	O2A-CGA-O1A	-4.88	111.41	123.63
14	B	1233	CLA	O2A-CGA-O1A	-4.88	110.77	123.33
14	G	1110	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	b	1228	CLA	O2A-CGA-O1A	-4.88	111.41	123.63
14	H	1210	CLA	O2A-CGA-O1A	-4.88	111.42	123.63
14	a	1101	CLA	C4A-NA-C1A	4.88	108.91	106.68
14	G	1122	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	b	1231	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	b	1216	CLA	O2A-CGA-O1A	-4.88	111.42	123.63
14	G	1124	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	A	1115	CLA	C2D-C1D-ND	4.88	114.95	110.13
14	b	1201	CLA	C1C-C2C-C3C	-4.88	101.85	106.98
14	a	1105	CLA	O2A-CGA-O1A	-4.88	110.79	123.33
14	B	1216	CLA	O2A-CGA-O1A	-4.88	111.43	123.63
14	G	1127	CLA	C3B-C2B-C1B	-4.87	101.42	107.17
14	a	1013	CLA	O2A-CGA-CBA	4.87	126.70	111.83
14	G	1105	CLA	O2A-CGA-O1A	-4.87	110.80	123.33
14	H	1205	CLA	C3B-C2B-C1B	-4.87	101.42	107.17
14	G	1119	CLA	C2D-C1D-ND	4.87	114.95	110.13
14	H	1216	CLA	O2A-CGA-O1A	-4.87	111.44	123.63
14	A	1013	CLA	O2A-CGA-CBA	4.87	126.68	111.83
14	a	1123	CLA	O2A-CGA-O1A	-4.87	111.45	123.63
14	A	1105	CLA	O2A-CGA-O1A	-4.87	110.81	123.33
14	A	1119	CLA	C2D-C1D-ND	4.87	114.94	110.13
14	A	1111	CLA	O2A-CGA-O1A	-4.86	111.46	123.63
14	H	1205	CLA	C3D-C2D-C1D	-4.86	99.19	105.83
14	G	1013	CLA	O2A-CGA-CBA	4.86	126.66	111.83
14	H	1231	CLA	C1D-ND-C4D	-4.86	102.90	106.31
14	A	1115	CLA	C1C-C2C-C3C	-4.86	101.87	106.98
14	a	1111	CLA	O2A-CGA-O1A	-4.86	111.47	123.63
14	B	1205	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
14	H	1225	CLA	C3B-C2B-C1B	-4.86	101.44	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1123	CLA	O2A-CGA-O1A	-4.86	111.48	123.63
14	a	1115	CLA	C2D-C1D-ND	4.86	114.93	110.13
14	b	1233	CLA	C4A-NA-C1A	4.86	108.89	106.68
14	H	1209	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	A	1123	CLA	O2A-CGA-O1A	-4.85	111.49	123.63
14	U	1502	CLA	C1C-C2C-C3C	-4.85	101.88	106.98
14	G	1115	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	B	1205	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	a	1109	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	B	1227	CLA	C4A-NA-C1A	4.85	108.89	106.68
14	H	1203	CLA	C1D-ND-C4D	-4.85	102.91	106.31
14	H	1235	CLA	C1D-ND-C4D	-4.85	102.91	106.31
14	L	1502	CLA	C1C-C2C-C3C	-4.85	101.88	106.98
14	G	1111	CLA	O2A-CGA-O1A	-4.85	111.50	123.63
14	b	1205	CLA	C3B-C2B-C1B	-4.85	101.46	107.17
14	A	1124	CLA	C1D-ND-C4D	-4.85	102.91	106.31
14	b	1205	CLA	C3D-C2D-C1D	-4.85	99.22	105.83
14	l	1502	CLA	C1C-C2C-C3C	-4.85	101.88	106.98
14	A	1115	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
14	A	1012	CLA	O2D-CGD-CBD	4.84	119.70	111.23
14	A	1109	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	G	1012	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	b	1201	CLA	C1D-ND-C4D	-4.84	102.92	106.31
14	b	1209	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	b	1208	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	G	1120	CLA	O2A-CGA-O1A	-4.84	110.89	123.33
14	G	1109	CLA	C3B-C2B-C1B	-4.84	101.47	107.17
14	a	1012	CLA	C2D-C1D-ND	4.84	114.91	110.13
14	A	1120	CLA	O2A-CGA-O1A	-4.84	110.89	123.33
14	G	1115	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	b	1021	CLA	O2D-CGD-CBD	4.84	119.68	111.23
14	a	1012	CLA	O2D-CGD-CBD	4.83	119.68	111.23
14	b	1202	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	H	1225	CLA	C4A-NA-C1A	4.83	108.88	106.68
14	B	1202	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	G	1107	CLA	C4A-NA-C1A	4.83	108.88	106.68
14	m	1501	CLA	C4A-NA-C1A	4.83	108.88	106.68
15	b	1219	F6C	C2D-C1D-ND	4.83	115.06	109.98
14	A	1136	CLA	C3B-C2B-C1B	-4.83	101.47	107.17
14	H	1021	CLA	O2D-CGD-CBD	4.83	119.67	111.23
14	a	1119	CLA	C3B-C2B-C1B	-4.83	101.48	107.17
14	a	1115	CLA	C3D-C2D-C1D	-4.83	99.24	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1119	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	B	1209	CLA	C3B-C2B-C1B	-4.83	101.48	107.17
14	a	1138	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	A	1012	CLA	C2D-C1D-ND	4.83	114.90	110.13
14	B	1224	CLA	C1C-C2C-C3C	-4.83	101.90	106.98
14	b	1209	CLA	O2A-CGA-O1A	-4.83	110.92	123.33
14	A	1110	CLA	O2A-CGA-O1A	-4.83	110.92	123.33
14	H	1209	CLA	O2A-CGA-O1A	-4.82	110.93	123.33
14	a	1136	CLA	C3B-C2B-C1B	-4.82	101.48	107.17
14	A	1107	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	a	1105	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	a	1110	CLA	O2A-CGA-O1A	-4.82	110.93	123.33
14	H	1213	CLA	O2A-CGA-O1A	-4.82	110.94	123.33
14	a	1126	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	G	1110	CLA	O2A-CGA-O1A	-4.82	110.94	123.33
14	G	1105	CLA	C2D-C1D-ND	4.82	114.89	110.13
14	B	1209	CLA	O2A-CGA-O1A	-4.82	110.94	123.33
14	a	1120	CLA	O2A-CGA-O1A	-4.82	110.94	123.33
14	G	1136	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	a	1107	CLA	O2A-CGA-O1A	-4.82	110.94	123.33
15	H	1219	F6C	C2D-C1D-ND	4.82	115.04	109.98
14	B	1213	CLA	O2A-CGA-O1A	-4.82	110.95	123.33
14	a	1124	CLA	C1D-ND-C4D	-4.82	102.93	106.31
14	G	1118	CLA	O2A-CGA-O1A	-4.82	111.58	123.63
14	b	1213	CLA	O2A-CGA-O1A	-4.81	110.95	123.33
14	H	1202	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	a	1129	CLA	C1D-ND-C4D	-4.81	102.93	106.31
14	A	1107	CLA	O2A-CGA-O1A	-4.81	110.95	123.33
14	G	1107	CLA	O2A-CGA-O1A	-4.81	110.95	123.33
14	B	1021	CLA	O2D-CGD-CBD	4.81	119.64	111.23
14	A	1119	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
14	a	1118	CLA	O2A-CGA-O1A	-4.81	111.59	123.63
14	A	1105	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	A	1101	CLA	C4A-NA-C1A	4.81	108.87	106.68
14	a	1132	CLA	C4A-NA-C1A	4.81	108.87	106.68
14	A	1109	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	G	1138	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	H	1233	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	A	1118	CLA	O2A-CGA-O1A	-4.81	111.60	123.63
14	H	1223	CLA	O2A-CGA-O1A	-4.81	111.60	123.63
14	b	1223	CLA	O2A-CGA-O1A	-4.81	111.60	123.63
14	G	1012	CLA	C2D-C1D-ND	4.81	114.89	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1119	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
14	b	1224	CLA	C4A-NA-C1A	4.81	108.87	106.68
14	b	1227	CLA	C4A-NA-C1A	4.81	108.87	106.68
14	a	1140	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
15	b	1219	F6C	O2A-CGA-O1A	-4.81	111.61	123.63
15	B	1219	F6C	C2D-C1D-ND	4.81	115.03	109.98
14	a	1107	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	a	1111	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	G	1109	CLA	C2D-C1D-ND	4.80	114.88	110.13
14	B	1223	CLA	O2A-CGA-O1A	-4.80	111.61	123.63
14	A	1138	CLA	C2D-C1D-ND	4.80	114.88	110.13
14	H	1229	CLA	C2D-C1D-ND	4.80	114.88	110.13
14	a	1109	CLA	C2D-C1D-ND	4.80	114.88	110.13
14	G	1110	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	G	1140	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	b	1212	CLA	O2A-CGA-O1A	-4.80	110.99	123.33
14	G	1129	CLA	C1D-ND-C4D	-4.80	102.94	106.31
14	A	1126	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	b	1213	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	G	1127	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	H	1212	CLA	O2A-CGA-O1A	-4.80	110.99	123.33
14	b	1233	CLA	C2D-C1D-ND	4.80	114.87	110.13
14	B	1212	CLA	O2A-CGA-O1A	-4.80	111.00	123.33
14	G	1102	CLA	C4A-NA-C1A	4.80	108.87	106.68
15	H	1230	F6C	C3D-C2D-C1D	-4.79	98.89	105.83
14	G	1140	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
14	a	1112	CLA	C2D-C1D-ND	4.79	114.87	110.13
14	G	1138	CLA	O2A-CGA-O1A	-4.79	111.64	123.63
14	a	1103	CLA	C2B-C1B-NB	4.79	115.30	110.33
15	B	1207	F6C	O2A-CGA-CBA	4.79	126.43	111.83
14	K	1401	CLA	C1C-C2C-C3C	-4.79	101.94	106.98
15	H	1207	F6C	O2A-CGA-CBA	4.79	126.43	111.83
14	A	1127	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
15	A	1121	F6C	O2A-CGA-O1A	-4.79	111.02	123.33
14	U	1501	CLA	C3B-C2B-C1B	-4.78	101.53	107.17
14	l	1501	CLA	C3B-C2B-C1B	-4.78	101.53	107.17
14	A	1132	CLA	C4A-NA-C1A	4.78	108.86	106.68
14	G	1128	CLA	C2D-C1D-ND	4.78	114.86	110.13
14	k	1401	CLA	C1C-C2C-C3C	-4.78	101.95	106.98
14	H	1216	CLA	C3B-C2B-C1B	-4.78	101.53	107.17
15	B	1219	F6C	O2A-CGA-O1A	-4.78	111.66	123.63
14	A	1103	CLA	C2B-C1B-NB	4.78	115.29	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1233	CLA	C2D-C1D-ND	4.78	114.86	110.13
15	b	1207	F6C	O2A-CGA-CBA	4.78	126.42	111.83
14	a	1127	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
14	A	1140	CLA	C3B-C2B-C1B	-4.78	101.53	107.17
14	H	1213	CLA	C1C-C2C-C3C	-4.78	101.95	106.98
15	b	1230	F6C	C3D-C2D-C1D	-4.78	98.91	105.83
14	T	1401	CLA	C1C-C2C-C3C	-4.78	101.95	106.98
14	b	1224	CLA	C1C-C2C-C3C	-4.78	101.95	106.98
14	a	1128	CLA	C2D-C1D-ND	4.78	114.85	110.13
14	L	1501	CLA	C3B-C2B-C1B	-4.78	101.54	107.17
14	a	1140	CLA	C2D-C1D-ND	4.78	114.85	110.13
14	a	1138	CLA	O2A-CGA-O1A	-4.77	111.69	123.63
15	a	1121	F6C	O2A-CGA-O1A	-4.77	111.05	123.33
15	H	1219	F6C	O2A-CGA-O1A	-4.77	111.69	123.63
14	A	1138	CLA	O2A-CGA-O1A	-4.77	111.69	123.63
15	B	1230	F6C	C3D-C2D-C1D	-4.77	98.92	105.83
15	G	1121	F6C	O2A-CGA-O1A	-4.77	111.06	123.33
14	B	1229	CLA	C2D-C1D-ND	4.77	114.85	110.13
14	G	1111	CLA	C4A-NA-C1A	4.77	108.86	106.68
14	b	1213	CLA	C1C-C2C-C3C	-4.77	101.96	106.98
14	G	1135	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
15	b	1219	F6C	C1C-C2C-C3C	-4.77	101.36	106.82
14	A	1112	CLA	C2D-C1D-ND	4.77	114.84	110.13
15	H	1219	F6C	C1C-C2C-C3C	-4.77	101.36	106.82
14	G	1125	CLA	C2C-C1C-NC	4.77	114.99	109.98
14	a	1112	CLA	O2A-CGA-CBA	4.77	126.37	111.83
15	H	1230	F6C	C2D-C1D-ND	4.77	114.99	109.98
15	b	1230	F6C	C2D-C1D-ND	4.77	114.99	109.98
14	a	1102	CLA	C4A-NA-C1A	4.77	108.85	106.68
15	B	1219	F6C	C1C-C2C-C3C	-4.76	101.36	106.82
14	G	1103	CLA	C2B-C1B-NB	4.76	115.27	110.33
14	b	1226	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
14	A	1129	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	G	1132	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	G	1140	CLA	C2D-C1D-ND	4.76	114.84	110.13
14	V	1501	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
14	a	1130	CLA	C2D-C1D-ND	4.76	114.84	110.13
14	G	1126	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	G	1118	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	H	1202	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
14	B	1201	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	B	1213	CLA	C1C-C2C-C3C	-4.76	101.97	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1140	CLA	O2A-CGA-O1A	-4.76	111.73	123.63
15	B	1230	F6C	C2D-C1D-ND	4.76	114.98	109.98
14	A	1111	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	B	1216	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
14	A	1110	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	G	1101	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	A	1140	CLA	C2D-C1D-ND	4.76	114.83	110.13
15	H	1219	F6C	C3D-C2D-C1D	-4.76	98.94	105.83
14	B	1233	CLA	C4A-NA-C1A	4.75	108.85	106.68
14	A	1130	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	b	1216	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
14	G	1112	CLA	O2A-CGA-CBA	4.75	126.33	111.83
14	A	1128	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	A	1140	CLA	O2A-CGA-O1A	-4.75	111.74	123.63
14	A	1125	CLA	C2C-C1C-NC	4.75	114.97	109.98
14	G	1112	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	U	1503	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	b	1229	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	A	1112	CLA	O2A-CGA-CBA	4.75	126.31	111.83
14	B	1202	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	A	1135	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
15	H	1238	F6C	C1C-C2C-C3C	-4.74	101.39	106.82
15	b	1238	F6C	C1C-C2C-C3C	-4.74	101.39	106.82
14	H	1232	CLA	O2A-CGA-O1A	-4.74	111.14	123.33
14	b	1202	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
15	B	1238	F6C	C1C-C2C-C3C	-4.74	101.39	106.82
14	G	1140	CLA	O2A-CGA-O1A	-4.74	111.77	123.63
14	M	1501	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	b	1221	CLA	O2A-CGA-O1A	-4.74	111.78	123.63
14	a	1125	CLA	C2C-C1C-NC	4.74	114.96	109.98
18	B	4017	BCR	C7-C8-C9	-4.74	119.23	126.23
14	a	1111	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	B	1226	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
14	A	1111	CLA	C4A-NA-C1A	4.73	108.84	106.68
14	H	1239	CLA	O2A-CGA-O1A	-4.73	111.79	123.63
15	B	1219	F6C	C3D-C2D-C1D	-4.73	98.98	105.83
14	H	1226	CLA	C3D-C2D-C1D	-4.73	99.37	105.83
14	L	1503	CLA	C3D-C2D-C1D	-4.73	99.37	105.83
15	b	1219	F6C	C3D-C2D-C1D	-4.73	98.98	105.83
14	B	1232	CLA	O2A-CGA-O1A	-4.73	111.17	123.33
14	l	1503	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
18	H	4017	BCR	C7-C8-C9	-4.73	119.24	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4017	BCR	C7-C8-C9	-4.73	119.24	126.23
14	a	1115	CLA	O2A-CGA-CBA	4.73	126.25	111.83
14	B	1221	CLA	O2A-CGA-O1A	-4.73	111.80	123.63
14	H	1240	CLA	O2A-C1-C2	4.72	126.29	108.11
14	B	1210	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	G	1115	CLA	O2A-CGA-CBA	4.72	126.24	111.83
15	b	1207	F6C	C4A-NA-C1A	4.72	109.63	106.31
14	B	1240	CLA	O2A-C1-C2	4.72	126.28	108.11
14	B	1022	CLA	C1C-C2C-C3C	-4.72	102.01	106.98
14	B	1228	CLA	C1C-C2C-C3C	-4.72	102.01	106.98
14	G	1139	CLA	O2A-CGA-O1A	-4.72	111.19	123.33
14	b	1232	CLA	O2A-CGA-O1A	-4.72	111.19	123.33
14	A	1115	CLA	O2A-CGA-CBA	4.72	126.23	111.83
14	b	1228	CLA	C1C-C2C-C3C	-4.72	102.01	106.98
14	b	1239	CLA	O2A-CGA-O1A	-4.72	111.82	123.63
14	H	1232	CLA	O2D-CGD-CBD	4.72	119.48	111.23
14	b	1240	CLA	O2A-C1-C2	4.72	126.27	108.11
14	A	1118	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	m	1501	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	G	1125	CLA	O2A-CGA-O1A	-4.72	111.83	123.63
14	H	1228	CLA	C1C-C2C-C3C	-4.72	102.02	106.98
14	B	1239	CLA	O2A-CGA-O1A	-4.72	111.83	123.63
14	H	1221	CLA	O2A-CGA-O1A	-4.72	111.83	123.63
14	a	1139	CLA	O2A-CGA-O1A	-4.72	111.20	123.33
14	a	1129	CLA	O2A-CGA-CBA	4.72	126.21	111.83
14	G	1122	CLA	O2A-CGA-O1A	-4.71	111.83	123.63
14	G	1129	CLA	O2D-CGD-O1D	-4.71	114.67	123.85
18	L	4019	BCR	C3-C4-C5	-4.71	105.65	114.06
14	b	1022	CLA	C1C-C2C-C3C	-4.71	102.02	106.98
14	A	1122	CLA	O2A-CGA-O1A	-4.71	111.84	123.63
14	B	1232	CLA	O2D-CGD-CBD	4.71	119.47	111.23
14	B	1021	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
14	a	1129	CLA	O2D-CGD-O1D	-4.71	114.68	123.85
14	a	1132	CLA	O2A-CGA-O1A	-4.71	111.84	123.63
18	U	4019	BCR	C3-C4-C5	-4.71	105.66	114.06
14	a	1125	CLA	O2A-CGA-O1A	-4.71	111.85	123.63
14	A	1132	CLA	O2A-CGA-O1A	-4.71	111.85	123.63
14	A	1139	CLA	O2A-CGA-O1A	-4.71	111.22	123.33
14	A	1125	CLA	O2A-CGA-O1A	-4.71	111.85	123.63
14	b	1210	CLA	C1D-ND-C4D	-4.71	103.01	106.31
14	a	1141	CLA	O2A-CGA-O1A	-4.71	111.22	123.33
14	G	1132	CLA	O2A-CGA-O1A	-4.71	111.85	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1021	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
14	a	1110	CLA	C4A-NA-C1A	4.71	108.83	106.68
14	b	1211	CLA	O2A-CGA-O1A	-4.71	111.86	123.63
14	H	1234	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
14	A	1129	CLA	O2D-CGD-O1D	-4.70	114.69	123.85
14	H	1022	CLA	C1C-C2C-C3C	-4.70	102.03	106.98
14	G	1133	CLA	C1D-ND-C4D	-4.70	103.01	106.31
14	H	1201	CLA	C1D-ND-C4D	-4.70	103.01	106.31
15	a	1121	F6C	C3D-C2D-C1D	-4.70	99.02	105.83
14	A	1129	CLA	O2A-CGA-CBA	4.70	126.17	111.83
14	B	1234	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	a	1135	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
14	a	1122	CLA	O2A-CGA-O1A	-4.70	111.87	123.63
14	b	1234	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	b	1232	CLA	O2D-CGD-CBD	4.70	119.44	111.23
14	G	1129	CLA	O2A-CGA-CBA	4.70	126.16	111.83
14	G	1111	CLA	C1D-ND-C4D	-4.70	103.02	106.31
14	a	1101	CLA	C2D-C1D-ND	4.70	114.77	110.13
14	H	1021	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
14	b	1240	CLA	O2A-CGA-CBA	4.69	126.15	111.83
14	H	1210	CLA	C1D-ND-C4D	-4.69	103.02	106.31
14	A	1102	CLA	C4A-NA-C1A	4.69	108.82	106.68
14	A	1141	CLA	O2A-CGA-O1A	-4.69	111.27	123.33
14	H	1240	CLA	O2A-CGA-CBA	4.69	126.14	111.83
14	G	1130	CLA	C2D-C1D-ND	4.69	114.77	110.13
15	A	1121	F6C	C2D-C1D-ND	4.69	114.91	109.98
14	H	1233	CLA	C4A-NA-C1A	4.69	108.82	106.68
14	B	1240	CLA	O2A-CGA-CBA	4.69	126.13	111.83
15	A	1121	F6C	C3D-C2D-C1D	-4.69	99.04	105.83
14	b	1216	CLA	C2D-C1D-ND	4.69	114.77	110.13
14	G	1141	CLA	O2A-CGA-O1A	-4.69	111.28	123.33
14	H	1211	CLA	O2A-CGA-O1A	-4.69	111.91	123.63
14	B	1211	CLA	O2A-CGA-O1A	-4.69	111.91	123.63
15	a	1121	F6C	C2D-C1D-ND	4.69	114.90	109.98
14	a	1134	CLA	C1D-ND-C4D	-4.69	103.02	106.31
14	A	1134	CLA	C1D-ND-C4D	-4.68	103.03	106.31
14	b	1227	CLA	O2A-CGA-O1A	-4.68	111.30	123.33
18	l	4019	BCR	C3-C4-C5	-4.68	105.71	114.06
14	a	1118	CLA	C1D-ND-C4D	-4.68	103.03	106.31
15	H	1207	F6C	C4A-NA-C1A	4.68	109.59	106.31
13	G	1011	CL0	C1D-ND-C4D	-4.68	103.03	106.31
21	L	6101	LMT	O5B-C5B-C4B	4.67	118.12	109.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1222	CLA	C1D-ND-C4D	-4.67	103.03	106.31
20	a	5003	LMG	O7-C10-C11	4.67	121.59	111.48
14	a	1131	CLA	C2D-C1D-ND	4.67	114.75	110.13
15	G	1121	F6C	C2D-C1D-ND	4.67	114.89	109.98
15	G	1121	F6C	C3D-C2D-C1D	-4.67	99.07	105.83
14	B	1227	CLA	O2A-CGA-O1A	-4.67	111.33	123.33
14	B	1234	CLA	C1C-C2C-C3C	-4.67	102.07	106.98
14	B	1231	CLA	O2A-CGA-O1A	-4.67	111.96	123.63
14	B	1239	CLA	C4A-NA-C1A	4.66	108.81	106.68
14	b	1239	CLA	C4A-NA-C1A	4.66	108.81	106.68
14	B	1209	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
15	a	1121	F6C	C1A-C2A-C3A	-4.66	102.06	106.97
14	G	1134	CLA	C1D-ND-C4D	-4.66	103.04	106.31
14	H	1227	CLA	O2A-CGA-O1A	-4.66	111.35	123.33
14	a	1115	CLA	C4A-NA-C1A	4.66	108.81	106.68
13	A	1011	CL0	C1D-ND-C4D	-4.66	103.04	106.31
14	a	1105	CLA	C1D-ND-C4D	-4.66	103.04	106.31
14	H	1231	CLA	O2A-CGA-O1A	-4.66	111.98	123.63
15	A	1121	F6C	C1A-C2A-C3A	-4.65	102.07	106.97
14	b	1231	CLA	O2A-CGA-O1A	-4.65	111.99	123.63
14	G	1106	CLA	C1D-ND-C4D	-4.65	103.05	106.31
14	b	1209	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	H	1216	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	A	1133	CLA	C1D-ND-C4D	-4.65	103.05	106.31
21	U	6101	LMT	O5B-C5B-C4B	4.65	118.08	109.70
14	A	1108	CLA	O2A-CGA-O1A	-4.65	111.37	123.33
20	A	5003	LMG	O7-C10-C11	4.65	121.54	111.48
14	A	1101	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	B	1216	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	G	1108	CLA	O2A-CGA-O1A	-4.65	111.38	123.33
21	l	6101	LMT	O5B-C5B-C4B	4.65	118.07	109.70
15	G	1121	F6C	C1A-C2A-C3A	-4.65	102.08	106.97
14	b	1234	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	a	1108	CLA	O2A-CGA-O1A	-4.64	111.39	123.33
14	G	1124	CLA	O2A-CGA-O1A	-4.64	112.01	123.63
14	A	1106	CLA	C1D-ND-C4D	-4.64	103.05	106.31
15	B	1207	F6C	C4A-C3A-C2A	-4.64	100.08	106.97
14	G	1101	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	b	1209	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	G	1131	CLA	C2D-C1D-ND	4.64	114.72	110.13
15	H	1207	F6C	C4A-C3A-C2A	-4.64	100.09	106.97
14	H	1235	CLA	O2D-CGD-CBD	4.64	119.34	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1234	CLA	C1C-C2C-C3C	-4.64	102.10	106.98
14	A	1103	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
14	G	1102	CLA	O2A-CGA-O1A	-4.64	112.03	123.63
14	b	1212	CLA	C1C-C2C-C3C	-4.64	102.10	106.98
20	G	5003	LMG	O7-C10-C11	4.64	121.51	111.48
14	H	1239	CLA	C4A-NA-C1A	4.64	108.79	106.68
14	H	1209	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
14	a	1103	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
14	A	1124	CLA	O2A-CGA-O1A	-4.63	112.04	123.63
14	B	1225	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	H	1209	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	a	1124	CLA	O2A-CGA-O1A	-4.63	112.05	123.63
13	a	1011	CL0	C1D-ND-C4D	-4.63	103.06	106.31
14	B	1240	CLA	C2D-C1D-ND	4.63	114.71	110.13
15	B	1207	F6C	C4A-NA-C1A	4.63	109.56	106.31
14	b	1235	CLA	O2D-CGD-CBD	4.63	119.32	111.23
14	B	1212	CLA	C1C-C2C-C3C	-4.63	102.11	106.98
14	G	1105	CLA	C1D-ND-C4D	-4.63	103.07	106.31
14	a	1106	CLA	C1D-ND-C4D	-4.63	103.07	106.31
14	a	1133	CLA	C1D-ND-C4D	-4.63	103.07	106.31
15	b	1207	F6C	C4A-C3A-C2A	-4.63	100.11	106.97
14	B	1235	CLA	O2D-CGD-CBD	4.63	119.32	111.23
14	H	1212	CLA	C1C-C2C-C3C	-4.63	102.11	106.98
14	G	1137	CLA	O2A-CGA-O1A	-4.63	112.06	123.63
14	B	1209	CLA	C2D-C1D-ND	4.62	114.70	110.13
15	b	1230	F6C	O2A-CGA-O1A	-4.62	111.44	123.33
14	G	1101	CLA	O2A-CGA-O1A	-4.62	111.45	123.33
14	a	1137	CLA	O2A-CGA-O1A	-4.62	112.07	123.63
14	G	1103	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
18	l	4022	BCR	C24-C23-C22	-4.62	119.40	126.23
14	A	1102	CLA	O2A-CGA-O1A	-4.62	112.07	123.63
21	H	6003	LMT	C3'-C4'-C5'	-4.62	100.69	110.93
14	A	1131	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	B	1218	CLA	O2A-CGA-O1A	-4.62	111.45	123.33
14	T	1401	CLA	O2A-CGA-O1A	-4.62	111.46	123.33
14	H	1240	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	A	1105	CLA	C1D-ND-C4D	-4.61	103.07	106.31
14	b	1240	CLA	C2D-C1D-ND	4.61	114.69	110.13
18	L	4022	BCR	C24-C23-C22	-4.61	119.41	126.23
14	H	1218	CLA	O2A-CGA-O1A	-4.61	111.47	123.33
15	H	1230	F6C	C2C-C1C-NC	4.61	115.11	110.33
14	a	1102	CLA	C1D-ND-C4D	-4.61	103.08	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1102	CLA	O2A-CGA-O1A	-4.61	112.09	123.63
15	B	1207	F6C	C3A-C4A-NA	4.61	114.69	110.13
15	H	1237	F6C	C3D-C2D-C1D	-4.61	99.15	105.83
14	K	1401	CLA	O2A-CGA-O1A	-4.61	111.47	123.33
14	B	1217	CLA	O2A-CGA-O1A	-4.61	111.48	123.33
14	k	1401	CLA	O2A-CGA-O1A	-4.61	111.48	123.33
21	b	6003	LMT	C3'-C4'-C5'	-4.61	100.72	110.93
15	B	1237	F6C	C3D-C2D-C1D	-4.61	99.16	105.83
15	H	1230	F6C	O2A-CGA-O1A	-4.61	111.48	123.33
14	A	1137	CLA	O2A-CGA-O1A	-4.61	112.11	123.63
14	A	1141	CLA	C1D-ND-C4D	-4.60	103.08	106.31
14	H	1217	CLA	O2A-CGA-O1A	-4.60	111.49	123.33
18	H	4014	BCR	C24-C23-C22	-4.60	119.42	126.23
15	B	1230	F6C	O2A-CGA-O1A	-4.60	111.49	123.33
21	B	6003	LMT	C3'-C4'-C5'	-4.60	100.72	110.93
14	A	1101	CLA	O2A-CGA-O1A	-4.60	111.49	123.33
14	b	1218	CLA	O2A-CGA-O1A	-4.60	111.49	123.33
14	G	1103	CLA	O2A-CGA-O1A	-4.60	112.11	123.63
14	B	1214	CLA	O2A-C1-C2	4.60	125.82	108.11
14	b	1214	CLA	O2A-C1-C2	4.60	125.82	108.11
14	a	1113	CLA	O2A-CGA-O1A	-4.60	111.50	123.33
14	H	1214	CLA	O2A-C1-C2	4.60	125.81	108.11
14	b	1225	CLA	C2D-C1D-ND	4.60	114.68	110.13
18	b	4014	BCR	C24-C23-C22	-4.60	119.43	126.23
18	U	4022	BCR	C24-C23-C22	-4.60	119.43	126.23
14	b	1222	CLA	C1D-ND-C4D	-4.60	103.09	106.31
18	B	4014	BCR	C24-C23-C22	-4.60	119.43	126.23
14	B	1021	CLA	O2A-CGA-O1A	-4.60	112.13	123.63
15	B	1230	F6C	C2C-C1C-NC	4.60	115.09	110.33
14	A	1107	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	A	1102	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	a	1101	CLA	O2A-CGA-O1A	-4.59	111.52	123.33
14	b	1021	CLA	O2A-CGA-O1A	-4.59	112.14	123.63
15	b	1237	F6C	C3D-C2D-C1D	-4.59	99.18	105.83
14	b	1217	CLA	O2A-CGA-O1A	-4.59	111.53	123.33
14	A	1103	CLA	O2A-CGA-O1A	-4.59	112.15	123.63
15	H	1207	F6C	C3A-C4A-NA	4.59	114.67	110.13
14	a	1103	CLA	O2A-CGA-O1A	-4.59	112.15	123.63
14	G	1141	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	H	1021	CLA	O2A-CGA-O1A	-4.58	112.16	123.63
14	G	1113	CLA	O2A-CGA-O1A	-4.58	111.54	123.33
14	a	1114	CLA	O2A-CGA-O1A	-4.58	111.54	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1113	CLA	O2A-CGA-O1A	-4.58	111.55	123.33
14	G	1107	CLA	C1D-ND-C4D	-4.58	103.10	106.31
14	A	1114	CLA	O2A-CGA-O1A	-4.58	111.55	123.33
18	M	4021	BCR	C19-C18-C17	4.58	126.21	119.01
15	H	1237	F6C	C1A-C2A-C3A	-4.58	102.15	106.97
14	G	1115	CLA	C4A-NA-C1A	4.58	108.77	106.68
14	L	1503	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	G	1114	CLA	O2A-CGA-O1A	-4.58	111.56	123.33
14	B	1214	CLA	C3B-C2B-C1B	-4.58	101.78	107.17
14	U	1503	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	H	1220	CLA	O2A-CGA-O1A	-4.57	112.19	123.63
15	b	1230	F6C	C2C-C1C-NC	4.57	115.07	110.33
14	b	1220	CLA	O2A-CGA-O1A	-4.57	112.19	123.63
14	B	1220	CLA	O2A-CGA-O1A	-4.57	112.19	123.63
14	H	1225	CLA	C2D-C1D-ND	4.57	114.65	110.13
18	m	4021	BCR	C19-C18-C17	4.57	126.20	119.01
14	l	1503	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	B	1222	CLA	C1D-ND-C4D	-4.57	103.11	106.31
15	b	1207	F6C	C3A-C4A-NA	4.57	114.65	110.13
14	a	1141	CLA	C1D-ND-C4D	-4.57	103.11	106.31
14	H	1214	CLA	C3B-C2B-C1B	-4.57	101.79	107.17
18	V	4021	BCR	C19-C18-C17	4.57	126.19	119.01
14	A	1115	CLA	C4A-NA-C1A	4.57	108.76	106.68
15	B	1237	F6C	C4A-NA-C1A	4.57	109.52	106.31
15	b	1237	F6C	C4A-NA-C1A	4.57	109.52	106.31
14	G	1102	CLA	C1D-ND-C4D	-4.56	103.11	106.31
18	i	4018	BCR	C24-C23-C22	-4.56	119.49	126.23
14	a	1107	CLA	C1D-ND-C4D	-4.56	103.11	106.31
15	b	1237	F6C	C1A-C2A-C3A	-4.56	102.17	106.97
15	B	1237	F6C	C1A-C2A-C3A	-4.56	102.17	106.97
18	a	4006	BCR	C38-C26-C25	-4.56	119.51	124.48
14	b	1211	CLA	C4A-NA-C1A	4.55	108.76	106.68
14	b	1214	CLA	C3B-C2B-C1B	-4.55	101.80	107.17
14	B	1211	CLA	C4A-NA-C1A	4.55	108.76	106.68
14	a	1134	CLA	O2A-CGA-O1A	-4.55	111.62	123.33
18	I	4018	BCR	C24-C23-C22	-4.55	119.50	126.23
15	H	1237	F6C	C4A-NA-C1A	4.55	109.50	106.31
14	B	1236	CLA	C3B-C2B-C1B	-4.55	101.81	107.17
14	H	1236	CLA	C3B-C2B-C1B	-4.54	101.81	107.17
14	H	1202	CLA	O2A-CGA-O1A	-4.54	112.26	123.63
14	B	1240	CLA	C2B-C1B-NB	4.54	115.04	110.33
14	H	1211	CLA	C4A-NA-C1A	4.54	108.75	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
21	B	6003	LMT	O1'-C1'-C2'	4.54	115.17	108.27
14	H	1229	CLA	C1D-ND-C4D	-4.54	103.13	106.31
14	b	1236	CLA	C3B-C2B-C1B	-4.54	101.82	107.17
14	H	1022	CLA	C1D-ND-C4D	-4.54	103.13	106.31
14	A	1133	CLA	C3B-C2B-C1B	-4.54	101.82	107.17
14	a	1117	CLA	C3B-C2B-C1B	-4.54	101.82	107.17
14	B	1202	CLA	O2A-CGA-O1A	-4.53	112.28	123.63
14	G	1133	CLA	C3B-C2B-C1B	-4.53	101.83	107.17
14	G	1134	CLA	O2A-CGA-O1A	-4.53	111.67	123.33
14	b	1202	CLA	C1D-ND-C4D	-4.53	103.13	106.31
14	B	1232	CLA	C2D-C1D-ND	4.53	114.61	110.13
14	b	1022	CLA	C1D-ND-C4D	-4.53	103.13	106.31
21	H	6003	LMT	O1'-C1'-C2'	4.53	115.14	108.27
18	a	4002	BCR	C7-C8-C9	-4.52	119.54	126.23
14	A	1134	CLA	O2A-CGA-O1A	-4.52	111.69	123.33
14	b	1202	CLA	O2A-CGA-O1A	-4.52	112.31	123.63
18	R	4018	BCR	C24-C23-C22	-4.52	119.54	126.23
18	G	4006	BCR	C38-C26-C25	-4.52	119.55	124.48
21	b	6003	LMT	O1'-C1'-C2'	4.52	115.14	108.27
14	a	1133	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
14	B	1202	CLA	C2B-C1B-NB	4.52	115.01	110.33
14	H	1202	CLA	C2B-C1B-NB	4.52	115.01	110.33
14	A	1117	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
14	G	1110	CLA	C1D-ND-C4D	-4.52	103.14	106.31
18	A	4006	BCR	C38-C26-C25	-4.52	119.56	124.48
18	G	4002	BCR	C7-C8-C9	-4.51	119.56	126.23
14	B	1229	CLA	C1D-ND-C4D	-4.51	103.14	106.31
14	b	1213	CLA	C1D-ND-C4D	-4.51	103.14	106.31
18	A	4002	BCR	C7-C8-C9	-4.51	119.56	126.23
14	a	1110	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	B	1202	CLA	C1D-ND-C4D	-4.51	103.15	106.31
18	b	4004	BCR	C19-C18-C17	4.51	126.10	119.01
14	A	1135	CLA	C4A-NA-C1A	4.51	108.74	106.68
14	b	1232	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	b	1202	CLA	C2B-C1B-NB	4.51	115.00	110.33
18	B	4004	BCR	C19-C18-C17	4.51	126.10	119.01
14	a	1131	CLA	O2A-CGA-CBA	4.51	125.58	111.83
14	B	1022	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	G	1108	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	b	1240	CLA	C2B-C1B-NB	4.50	115.00	110.33
14	H	1232	CLA	C2D-C1D-ND	4.50	114.58	110.13
14	B	1213	CLA	C1D-ND-C4D	-4.50	103.15	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1213	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	b	1233	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	A	1110	CLA	C1D-ND-C4D	-4.50	103.16	106.31
14	A	1131	CLA	O2A-CGA-CBA	4.50	125.55	111.83
18	H	4004	BCR	C19-C18-C17	4.49	126.08	119.01
14	a	1132	CLA	C1D-ND-C4D	-4.49	103.16	106.31
14	b	1225	CLA	O2A-C1-C2	4.49	125.40	108.11
14	H	1240	CLA	C2B-C1B-NB	4.49	114.98	110.33
18	H	4005	BCR	C7-C8-C9	-4.49	119.59	126.23
14	B	1225	CLA	O2A-C1-C2	4.49	125.39	108.11
14	G	1131	CLA	O2A-CGA-CBA	4.49	125.52	111.83
14	b	1212	CLA	C2B-C1B-NB	4.49	114.98	110.33
14	G	1117	CLA	C3B-C2B-C1B	-4.49	101.88	107.17
14	H	1233	CLA	C3B-C2B-C1B	-4.49	101.88	107.17
14	H	1227	CLA	C1D-ND-C4D	-4.49	103.16	106.31
18	b	4005	BCR	C7-C8-C9	-4.49	119.60	126.23
14	H	1236	CLA	O2A-CGA-CBA	4.48	125.51	111.83
14	H	1225	CLA	O2A-C1-C2	4.48	125.36	108.11
14	B	1236	CLA	O2A-CGA-CBA	4.48	125.50	111.83
14	a	1102	CLA	C2B-C1B-NB	4.48	114.97	110.33
18	B	4005	BCR	C7-C8-C9	-4.48	119.61	126.23
14	b	1236	CLA	O2A-CGA-CBA	4.48	125.49	111.83
14	A	1108	CLA	C1D-ND-C4D	-4.48	103.17	106.31
14	a	1013	CLA	C1C-C2C-C3C	-4.48	102.27	106.98
14	b	1228	CLA	C2D-C1D-ND	4.48	114.56	110.13
14	b	1229	CLA	C1D-ND-C4D	-4.47	103.17	106.31
14	A	1102	CLA	C2B-C1B-NB	4.47	114.97	110.33
14	G	1102	CLA	C2B-C1B-NB	4.47	114.97	110.33
14	B	1212	CLA	C2D-C1D-ND	4.47	114.55	110.13
14	b	1212	CLA	C2D-C1D-ND	4.47	114.55	110.13
13	a	1011	CL0	C3D-C2D-C1D	-4.47	99.73	105.83
14	G	1013	CLA	C1C-C2C-C3C	-4.47	102.28	106.98
14	A	1013	CLA	C1C-C2C-C3C	-4.46	102.28	106.98
14	B	1233	CLA	C3B-C2B-C1B	-4.46	101.91	107.17
13	G	1011	CL0	C3D-C2D-C1D	-4.46	99.74	105.83
14	G	1114	CLA	C2D-C1D-ND	4.46	114.54	110.13
14	B	1212	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	H	1202	CLA	C1D-ND-C4D	-4.46	103.18	106.31
13	A	1011	CL0	C3D-C2D-C1D	-4.46	99.75	105.83
14	H	1213	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	B	1213	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	H	1226	CLA	O2A-C1-C2	4.45	125.25	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1218	CLA	CHD-C1D-ND	-4.45	118.53	124.80
14	a	1101	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	a	1114	CLA	C2D-C1D-ND	4.45	114.53	110.13
14	H	1201	CLA	C1-C2-C3	-4.45	118.90	126.20
18	A	4001	BCR	C15-C14-C13	-4.45	121.03	127.28
14	G	1130	CLA	O2A-CGA-O1A	-4.45	112.49	123.63
14	B	1233	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	B	1226	CLA	O2A-C1-C2	4.45	125.24	108.11
14	b	1233	CLA	C3B-C2B-C1B	-4.45	101.92	107.17
14	A	1132	CLA	C1D-ND-C4D	-4.45	103.19	106.31
18	G	4001	BCR	C15-C14-C13	-4.45	121.04	127.28
18	a	4001	BCR	C15-C14-C13	-4.45	121.04	127.28
14	a	1130	CLA	O2A-CGA-O1A	-4.44	112.51	123.63
14	b	1226	CLA	O2A-C1-C2	4.44	125.20	108.11
14	H	1212	CLA	C2B-C1B-NB	4.44	114.93	110.33
14	G	1139	CLA	C1D-ND-C4D	-4.44	103.19	106.31
14	B	1201	CLA	C1-C2-C3	-4.44	118.92	126.20
14	H	1212	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	A	1114	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	A	1130	CLA	O2A-CGA-O1A	-4.44	112.53	123.63
15	b	1237	F6C	C1C-C2C-C3C	-4.44	101.74	106.82
14	G	1113	CLA	C4A-NA-C1A	4.43	108.70	106.68
14	H	1217	CLA	C1D-ND-C4D	-4.43	103.20	106.31
14	H	1239	CLA	C1-C2-C3	-4.43	118.93	126.20
14	G	1135	CLA	C4A-NA-C1A	4.43	108.70	106.68
14	B	1239	CLA	C3B-C2B-C1B	-4.43	101.95	107.17
14	G	1132	CLA	C1D-ND-C4D	-4.43	103.20	106.31
14	b	1201	CLA	C1-C2-C3	-4.43	118.94	126.20
14	b	1239	CLA	C3B-C2B-C1B	-4.43	101.95	107.17
15	H	1237	F6C	C1C-C2C-C3C	-4.43	101.75	106.82
14	B	1239	CLA	C1-C2-C3	-4.43	118.94	126.20
14	B	1227	CLA	C1D-ND-C4D	-4.43	103.21	106.31
14	G	1119	CLA	O2A-CGA-O1A	-4.42	112.56	123.63
14	L	1503	CLA	C3B-C2B-C1B	-4.42	101.95	107.17
15	B	1230	F6C	C3A-C4A-NA	4.42	114.50	110.13
14	b	1213	CLA	C2B-C1B-NB	4.42	114.91	110.33
14	B	1218	CLA	CHD-C1D-ND	-4.42	118.58	124.80
14	A	1127	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	a	1108	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	a	1119	CLA	O2A-CGA-O1A	-4.42	112.57	123.63
14	b	1227	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	A	1119	CLA	O2A-CGA-O1A	-4.42	112.57	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1239	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
14	M	1501	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	G	1138	CLA	CHD-C1D-ND	-4.42	118.59	124.80
14	H	1218	CLA	CHD-C1D-ND	-4.42	118.59	124.80
14	H	1233	CLA	C1D-ND-C4D	-4.42	103.21	106.31
15	H	1230	F6C	C3A-C4A-NA	4.41	114.50	110.13
14	B	1217	CLA	C1D-ND-C4D	-4.41	103.22	106.31
14	H	1228	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	A	1138	CLA	CHD-C1D-ND	-4.41	118.59	124.80
14	a	1139	CLA	C1D-ND-C4D	-4.41	103.22	106.31
14	b	1239	CLA	C1-C2-C3	-4.41	118.97	126.20
15	B	1237	F6C	C1C-C2C-C3C	-4.41	101.77	106.82
14	U	1503	CLA	C3B-C2B-C1B	-4.41	101.98	107.17
14	a	1138	CLA	CHD-C1D-ND	-4.41	118.60	124.80
14	G	1104	CLA	O2A-CGA-CBA	4.41	125.27	111.83
14	l	1503	CLA	C3B-C2B-C1B	-4.40	101.98	107.17
14	G	1112	CLA	C2B-C1B-NB	4.40	114.89	110.33
14	G	1119	CLA	O2A-C1-C2	4.40	125.05	108.11
14	A	1104	CLA	O2A-CGA-CBA	4.40	125.25	111.83
14	B	1228	CLA	C2D-C1D-ND	4.40	114.48	110.13
14	G	1101	CLA	C1D-ND-C4D	-4.40	103.23	106.31
14	V	1501	CLA	C2D-C1D-ND	4.40	114.48	110.13
14	L	1503	CLA	CAA-C2A-C3A	-4.40	101.11	113.00
15	b	1230	F6C	C3A-C4A-NA	4.40	114.48	110.13
14	H	1223	CLA	C4A-NA-C1A	4.40	108.69	106.68
14	G	1127	CLA	C1D-ND-C4D	-4.40	103.23	106.31
14	a	1135	CLA	O2A-CGA-O1A	-4.40	112.63	123.63
14	l	1503	CLA	CAA-C2A-C3A	-4.40	101.12	113.00
14	A	1101	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	a	1104	CLA	O2A-CGA-CBA	4.39	125.22	111.83
14	A	1112	CLA	C2B-C1B-NB	4.39	114.88	110.33
14	A	1119	CLA	O2A-C1-C2	4.39	125.00	108.11
14	a	1126	CLA	C2D-C1D-ND	4.39	114.47	110.13
14	B	1225	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
14	A	1113	CLA	C4A-NA-C1A	4.39	108.68	106.68
14	G	1135	CLA	O2A-CGA-O1A	-4.39	112.65	123.63
14	a	1135	CLA	C4A-NA-C1A	4.39	108.68	106.68
14	H	1226	CLA	O2D-CGD-O1D	-4.39	115.31	123.85
14	U	1503	CLA	CAA-C2A-C3A	-4.38	101.15	113.00
14	A	1135	CLA	O2A-CGA-O1A	-4.38	112.66	123.63
14	b	1217	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	a	1116	CLA	C4A-NA-C1A	4.38	108.68	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1229	CLA	O2A-CGA-CBA	4.38	125.20	111.83
14	b	1225	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
14	a	1119	CLA	O2A-C1-C2	4.38	124.97	108.11
15	A	1121	F6C	C4A-NA-C1A	4.38	109.39	106.31
14	a	1111	CLA	C1C-C2C-C3C	-4.38	102.37	106.98
14	a	1127	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	G	1111	CLA	C1C-C2C-C3C	-4.38	102.38	106.98
14	B	1023	CLA	O2A-CGA-CBA	4.38	125.18	111.83
14	B	1223	CLA	C4A-NA-C1A	4.38	108.68	106.68
14	A	1111	CLA	C1C-C2C-C3C	-4.38	102.38	106.98
14	m	1501	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	A	1139	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	H	1209	CLA	C1D-ND-C4D	-4.38	103.24	106.31
20	I	5006	LMG	O7-C10-C11	4.38	120.95	111.48
14	A	1119	CLA	C4A-NA-C1A	4.38	108.67	106.68
14	a	1113	CLA	C4A-NA-C1A	4.38	108.67	106.68
14	B	1209	CLA	C1D-ND-C4D	-4.37	103.24	106.31
14	b	1226	CLA	O2D-CGD-O1D	-4.37	115.33	123.85
14	b	1023	CLA	O2A-CGA-CBA	4.37	125.17	111.83
14	b	1205	CLA	O2A-CGA-CBA	4.37	125.17	111.83
14	b	1229	CLA	O2A-CGA-CBA	4.37	125.17	111.83
14	H	1225	CLA	C3D-C2D-C1D	-4.37	99.86	105.83
14	H	1023	CLA	O2A-CGA-CBA	4.37	125.17	111.83
14	G	1139	CLA	O2D-CGD-CBD	4.37	118.87	111.23
14	a	1105	CLA	C4A-NA-C1A	4.37	108.67	106.68
14	B	1022	CLA	O2D-CGD-O1D	-4.37	115.34	123.85
14	H	1221	CLA	C2B-C1B-NB	4.37	114.86	110.33
14	B	1205	CLA	O2A-CGA-CBA	4.37	125.16	111.83
14	B	1226	CLA	O2D-CGD-O1D	-4.37	115.34	123.85
14	B	1229	CLA	O2A-CGA-CBA	4.37	125.16	111.83
14	b	1223	CLA	C4A-NA-C1A	4.37	108.67	106.68
14	b	1023	CLA	C2B-C1B-NB	4.37	114.86	110.33
14	L	1502	CLA	O2A-CGA-O1A	-4.37	112.70	123.63
14	B	1222	CLA	O2A-CGA-CBA	4.37	125.15	111.83
20	R	5006	LMG	O7-C10-C11	4.37	120.92	111.48
14	H	1205	CLA	O2A-CGA-CBA	4.37	125.14	111.83
14	H	1222	CLA	O2A-CGA-CBA	4.36	125.14	111.83
14	B	1209	CLA	C4A-NA-C1A	4.36	108.67	106.68
14	G	1114	CLA	C4A-NA-C1A	4.36	108.67	106.68
15	G	1121	F6C	C4A-NA-C1A	4.36	109.37	106.31
14	l	1502	CLA	O2A-CGA-O1A	-4.36	112.71	123.63
20	i	5006	LMG	O7-C10-C11	4.36	120.92	111.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1222	CLA	O2A-CGA-CBA	4.36	125.14	111.83
14	H	1201	CLA	C2B-C1B-NB	4.36	114.85	110.33
14	H	1234	CLA	O2A-CGA-CBA	4.36	125.13	111.83
14	H	1235	CLA	O2A-C1-C2	4.36	124.89	108.11
14	a	1139	CLA	O2D-CGD-CBD	4.36	118.85	111.23
14	G	1105	CLA	C4A-NA-C1A	4.36	108.67	106.68
14	b	1235	CLA	O2A-C1-C2	4.36	124.88	108.11
14	B	1235	CLA	O2A-C1-C2	4.36	124.88	108.11
14	b	1209	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	G	1126	CLA	C2D-C1D-ND	4.36	114.44	110.13
14	B	1234	CLA	O2A-CGA-CBA	4.36	125.12	111.83
14	b	1221	CLA	C2B-C1B-NB	4.36	114.84	110.33
14	A	1139	CLA	O2D-CGD-CBD	4.36	118.84	111.23
14	b	1234	CLA	O2A-CGA-CBA	4.35	125.11	111.83
14	B	1221	CLA	C2B-C1B-NB	4.35	114.84	110.33
14	U	1502	CLA	O2A-CGA-O1A	-4.35	112.74	123.63
19	G	5002	LHG	O7-C7-C8	4.35	120.89	111.48
14	H	1022	CLA	O2D-CGD-O1D	-4.35	115.38	123.85
14	b	1204	CLA	C4A-NA-C1A	4.35	108.66	106.68
14	H	1023	CLA	C2B-C1B-NB	4.35	114.83	110.33
14	B	1211	CLA	C1C-C2C-C3C	-4.35	102.41	106.98
14	b	1022	CLA	O2D-CGD-O1D	-4.35	115.39	123.85
14	A	1116	CLA	C4A-NA-C1A	4.35	108.66	106.68
19	A	5002	LHG	O7-C7-C8	4.35	120.88	111.48
14	a	1114	CLA	C3B-C2B-C1B	-4.35	102.05	107.17
14	b	1021	CLA	C3D-C2D-C1D	-4.34	99.90	105.83
14	A	1128	CLA	O2A-CGA-CBA	4.34	125.08	111.83
14	A	1105	CLA	C4A-NA-C1A	4.34	108.66	106.68
14	B	1023	CLA	C2B-C1B-NB	4.34	114.83	110.33
14	b	1211	CLA	C1C-C2C-C3C	-4.34	102.41	106.98
14	H	1209	CLA	C4A-NA-C1A	4.34	108.66	106.68
14	a	1128	CLA	O2A-CGA-CBA	4.34	125.07	111.83
14	G	1013	CLA	C2C-C1C-NC	4.34	114.54	109.98
14	H	1211	CLA	C1C-C2C-C3C	-4.34	102.42	106.98
14	G	1123	CLA	O2A-C1-C2	4.34	124.81	108.11
14	A	1126	CLA	C2D-C1D-ND	4.34	114.42	110.13
14	A	1123	CLA	O2A-C1-C2	4.34	124.80	108.11
14	G	1123	CLA	C1D-ND-C4D	-4.33	103.27	106.31
14	a	1123	CLA	O2A-C1-C2	4.33	124.79	108.11
14	B	1021	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
14	b	1201	CLA	C2B-C1B-NB	4.33	114.82	110.33
14	G	1128	CLA	O2A-CGA-CBA	4.33	125.04	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1119	CLA	C4A-NA-C1A	4.33	108.66	106.68
14	a	1112	CLA	C2B-C1B-NB	4.33	114.82	110.33
14	H	1021	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
14	B	1201	CLA	C2B-C1B-NB	4.33	114.81	110.33
14	A	1137	CLA	C1D-ND-C4D	-4.32	103.28	106.31
19	a	5002	LHG	O7-C7-C8	4.32	120.82	111.48
14	a	1139	CLA	C4A-NA-C1A	4.32	108.65	106.68
14	B	1216	CLA	O2D-CGD-CBD	4.32	118.78	111.23
14	B	1203	CLA	O2A-CGA-CBA	4.32	125.00	111.83
14	H	1216	CLA	O2D-CGD-CBD	4.32	118.78	111.23
14	b	1203	CLA	O2A-CGA-CBA	4.32	125.00	111.83
14	A	1114	CLA	C4A-NA-C1A	4.32	108.65	106.68
14	A	1114	CLA	C3B-C2B-C1B	-4.32	102.08	107.17
14	H	1203	CLA	O2A-CGA-CBA	4.32	124.99	111.83
14	B	1208	CLA	C1D-ND-C4D	-4.32	103.28	106.31
14	b	1216	CLA	O2D-CGD-CBD	4.32	118.77	111.23
14	B	1202	CLA	O2D-CGD-O1D	-4.31	115.45	123.85
15	H	1237	F6C	O2A-CGA-O1A	-4.31	112.84	123.63
14	B	1221	CLA	O2A-CGA-CBA	4.31	124.98	111.83
14	a	1137	CLA	C1D-ND-C4D	-4.31	103.29	106.31
14	G	1139	CLA	C4A-NA-C1A	4.31	108.64	106.68
15	b	1237	F6C	O2A-CGA-O1A	-4.31	112.85	123.63
14	U	1502	CLA	O2A-C1-C2	4.31	124.69	108.11
14	G	1114	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
14	A	1013	CLA	C2C-C1C-NC	4.31	114.51	109.98
14	b	1209	CLA	C4A-NA-C1A	4.31	108.64	106.68
15	B	1237	F6C	O2A-CGA-O1A	-4.31	112.86	123.63
14	b	1221	CLA	O2A-CGA-CBA	4.31	124.96	111.83
14	a	1123	CLA	C1D-ND-C4D	-4.30	103.29	106.31
14	H	1202	CLA	O2D-CGD-O1D	-4.30	115.47	123.85
14	H	1221	CLA	O2A-CGA-CBA	4.30	124.95	111.83
14	a	1013	CLA	C2C-C1C-NC	4.30	114.50	109.98
14	L	1502	CLA	O2A-C1-C2	4.30	124.65	108.11
15	a	1121	F6C	C4A-NA-C1A	4.30	109.33	106.31
14	l	1502	CLA	O2A-C1-C2	4.30	124.64	108.11
14	H	1203	CLA	CAA-C2A-C3A	-4.30	101.39	113.00
14	B	1203	CLA	CAA-C2A-C3A	-4.29	101.41	113.00
14	b	1210	CLA	C2B-C1B-NB	4.29	114.78	110.33
14	G	1133	CLA	O2A-C1-C2	4.29	124.60	108.11
14	a	1135	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	H	1225	CLA	O2A-CGA-CBA	4.28	124.89	111.83
14	G	1116	CLA	C4A-NA-C1A	4.28	108.63	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1203	CLA	CAA-C2A-C3A	-4.28	101.43	113.00
14	b	1224	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	A	1123	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	G	1137	CLA	C1D-ND-C4D	-4.28	103.31	106.31
19	L	5102	LHG	O7-C7-C8	4.28	120.73	111.48
14	H	1208	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	A	1133	CLA	O2A-C1-C2	4.27	124.55	108.11
14	B	1225	CLA	O2A-CGA-CBA	4.27	124.86	111.83
19	U	5102	LHG	O7-C7-C8	4.27	120.72	111.48
14	a	1133	CLA	O2A-C1-C2	4.27	124.55	108.11
14	A	1116	CLA	C1D-ND-C4D	-4.27	103.31	106.31
14	B	1224	CLA	C1D-ND-C4D	-4.27	103.32	106.31
14	b	1202	CLA	O2D-CGD-O1D	-4.27	115.54	123.85
14	B	1215	CLA	C2B-C1B-NB	4.27	114.75	110.33
14	H	1215	CLA	C2B-C1B-NB	4.27	114.75	110.33
14	U	1501	CLA	O2A-CGA-CBA	4.27	124.84	111.83
14	G	1117	CLA	O2A-CGA-O1A	-4.26	112.96	123.63
14	b	1225	CLA	O2A-CGA-CBA	4.26	124.83	111.83
14	L	1501	CLA	O2A-CGA-CBA	4.26	124.83	111.83
14	H	1210	CLA	C2B-C1B-NB	4.26	114.75	110.33
14	A	1139	CLA	C4A-NA-C1A	4.26	108.62	106.68
14	l	1501	CLA	O2A-CGA-CBA	4.26	124.83	111.83
14	B	1214	CLA	C2D-C1D-ND	4.26	114.34	110.13
14	B	1204	CLA	C4A-NA-C1A	4.26	108.62	106.68
14	G	1116	CLA	C1D-ND-C4D	-4.26	103.33	106.31
14	a	1124	CLA	C2B-C1B-NB	4.26	114.74	110.33
14	b	1021	CLA	C1D-ND-C4D	-4.26	103.33	106.31
14	A	1117	CLA	O2A-CGA-O1A	-4.26	112.98	123.63
18	A	4004	BCR	C30-C25-C26	-4.26	116.82	122.64
19	l	5102	LHG	O7-C7-C8	4.25	120.68	111.48
14	G	1119	CLA	C1D-ND-C4D	-4.25	103.33	106.31
14	H	1224	CLA	C1D-ND-C4D	-4.25	103.33	106.31
14	H	1214	CLA	C2D-C1D-ND	4.25	114.33	110.13
14	B	1210	CLA	C2B-C1B-NB	4.25	114.73	110.33
14	a	1103	CLA	O2D-CGD-O1D	-4.25	115.58	123.85
14	a	1116	CLA	C1D-ND-C4D	-4.24	103.33	106.31
18	G	4004	BCR	C30-C25-C26	-4.24	116.84	122.64
14	a	1114	CLA	C4A-NA-C1A	4.24	108.61	106.68
14	B	1021	CLA	C1D-ND-C4D	-4.24	103.34	106.31
18	H	4010	BCR	C7-C8-C9	-4.24	119.97	126.23
14	b	1214	CLA	C2D-C1D-ND	4.23	114.32	110.13
14	a	1117	CLA	O2A-CGA-O1A	-4.23	113.04	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1208	CLA	C1D-ND-C4D	-4.23	103.34	106.31
18	a	4004	BCR	C30-C25-C26	-4.23	116.85	122.64
14	b	1216	CLA	C1D-ND-C4D	-4.23	103.34	106.31
18	b	4009	BCR	C7-C8-C9	-4.23	119.98	126.23
14	H	1021	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	b	1215	CLA	C2B-C1B-NB	4.23	114.71	110.33
14	A	1135	CLA	C1D-ND-C4D	-4.23	103.35	106.31
14	a	1134	CLA	C4A-NA-C1A	4.22	108.61	106.68
14	G	1135	CLA	C2D-C1D-ND	4.22	114.30	110.13
14	A	1103	CLA	O2D-CGD-O1D	-4.22	115.63	123.85
14	b	1235	CLA	C1-C2-C3	-4.22	119.28	126.20
14	G	1103	CLA	O2D-CGD-O1D	-4.22	115.64	123.85
14	A	1135	CLA	C2D-C1D-ND	4.22	114.30	110.13
14	a	1110	CLA	C2B-C1B-NB	4.22	114.70	110.33
14	A	1117	CLA	C2B-C1B-NB	4.21	114.69	110.33
14	A	1124	CLA	C2B-C1B-NB	4.21	114.69	110.33
13	a	1011	CL0	C3B-C2B-C1B	-4.21	102.20	107.17
18	B	4010	BCR	C7-C8-C9	-4.21	120.00	126.23
14	B	1204	CLA	CHD-C1D-ND	-4.21	118.88	124.80
14	G	1122	CLA	C1C-C2C-C3C	-4.21	102.55	106.98
14	b	1211	CLA	C2B-C1B-NB	4.21	114.69	110.33
14	H	1204	CLA	CHD-C1D-ND	-4.21	118.88	124.80
14	b	1204	CLA	CHD-C1D-ND	-4.21	118.88	124.80
15	G	1121	F6C	CMA-C3A-C4A	-4.21	117.32	124.73
14	B	1206	CLA	O2A-CGA-CBA	4.21	124.66	111.83
14	G	1124	CLA	C2B-C1B-NB	4.20	114.69	110.33
14	G	1119	CLA	C4A-NA-C1A	4.20	108.60	106.68
14	H	1204	CLA	C4A-NA-C1A	4.20	108.60	106.68
14	H	1226	CLA	C4A-NA-C1A	4.20	108.60	106.68
14	B	1235	CLA	C1-C2-C3	-4.20	119.31	126.20
14	b	1206	CLA	C1D-ND-C4D	-4.20	103.36	106.31
18	B	4009	BCR	C7-C8-C9	-4.20	120.02	126.23
14	H	1206	CLA	O2A-CGA-CBA	4.20	124.65	111.83
14	G	1135	CLA	C1D-ND-C4D	-4.20	103.36	106.31
14	B	1211	CLA	C2B-C1B-NB	4.20	114.68	110.33
14	b	1206	CLA	O2A-CGA-CBA	4.20	124.64	111.83
18	H	4009	BCR	C7-C8-C9	-4.20	120.02	126.23
15	a	1121	F6C	CMA-C3A-C4A	-4.20	117.33	124.73
14	B	1216	CLA	C1D-ND-C4D	-4.20	103.36	106.31
18	b	4010	BCR	C7-C8-C9	-4.20	120.03	126.23
18	A	4004	BCR	C28-C27-C26	-4.20	106.57	114.06
15	A	1121	F6C	CMA-C3A-C4A	-4.20	117.34	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1210	CLA	O2D-CGD-O1D	-4.20	115.68	123.85
14	a	1117	CLA	C2D-C1D-ND	4.20	114.28	110.13
14	a	1135	CLA	C2D-C1D-ND	4.20	114.28	110.13
14	H	1235	CLA	C1-C2-C3	-4.19	119.33	126.20
14	B	1226	CLA	C4A-NA-C1A	4.19	108.59	106.68
14	a	1117	CLA	C2B-C1B-NB	4.19	114.67	110.33
14	H	1211	CLA	C2B-C1B-NB	4.19	114.67	110.33
14	b	1208	CLA	C2B-C1B-NB	4.19	114.67	110.33
13	A	1011	CL0	C3B-C2B-C1B	-4.19	102.23	107.17
15	B	1237	F6C	O2A-C1-C2	4.19	124.22	108.11
14	G	1117	CLA	C2D-C1D-ND	4.19	114.27	110.13
14	A	1117	CLA	C2D-C1D-ND	4.18	114.27	110.13
14	B	1206	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	A	1103	CLA	C2D-C1D-ND	4.18	114.27	110.13
14	H	1210	CLA	O2D-CGD-O1D	-4.18	115.71	123.85
18	a	4004	BCR	C28-C27-C26	-4.18	106.60	114.06
14	a	1134	CLA	C3B-C2B-C1B	-4.18	102.24	107.17
15	H	1237	F6C	O2A-C1-C2	4.18	124.20	108.11
14	b	1210	CLA	O2D-CGD-O1D	-4.18	115.71	123.85
18	H	4010	BCR	C19-C18-C17	4.18	125.58	119.01
18	b	4010	BCR	C19-C18-C17	4.18	125.58	119.01
14	a	1137	CLA	O2A-CGA-CBA	4.18	124.58	111.83
14	A	1134	CLA	C4A-NA-C1A	4.18	108.59	106.68
15	b	1237	F6C	O2A-C1-C2	4.18	124.19	108.11
18	G	4004	BCR	C28-C27-C26	-4.18	106.61	114.06
14	G	1110	CLA	C2B-C1B-NB	4.18	114.66	110.33
14	a	1103	CLA	C2D-C1D-ND	4.17	114.26	110.13
18	B	4010	BCR	C19-C18-C17	4.17	125.57	119.01
14	A	1110	CLA	C2B-C1B-NB	4.17	114.65	110.33
14	A	1119	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	G	1133	CLA	O2A-CGA-CBA	4.17	124.55	111.83
15	b	1207	F6C	O2D-CGD-O1D	-4.17	115.73	123.85
14	a	1126	CLA	O2A-CGA-CBA	4.17	124.55	111.83
13	G	1011	CL0	C3B-C2B-C1B	-4.17	102.25	107.17
14	A	1134	CLA	C3B-C2B-C1B	-4.17	102.26	107.17
14	A	1122	CLA	C1C-C2C-C3C	-4.17	102.60	106.98
14	G	1137	CLA	O2A-CGA-CBA	4.17	124.54	111.83
14	A	1137	CLA	O2A-CGA-CBA	4.17	124.53	111.83
14	G	1103	CLA	C2D-C1D-ND	4.16	114.25	110.13
14	B	1234	CLA	C4A-NA-C1A	4.16	108.58	106.68
14	b	1226	CLA	C4A-NA-C1A	4.16	108.58	106.68
14	A	1126	CLA	O2A-CGA-CBA	4.16	124.53	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1126	CLA	O2A-CGA-CBA	4.16	124.52	111.83
14	H	1223	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	B	1206	CLA	C4-C3-C5	4.16	122.45	115.23
18	I	4018	BCR	C38-C26-C25	-4.16	119.95	124.48
14	G	1115	CLA	C1D-ND-C4D	-4.16	103.39	106.31
18	R	4018	BCR	C38-C26-C25	-4.16	119.95	124.48
14	A	1133	CLA	O2A-CGA-CBA	4.16	124.51	111.83
15	B	1207	F6C	O2D-CGD-O1D	-4.16	115.76	123.85
14	a	1111	CLA	C1-C2-C3	-4.16	119.39	126.20
14	B	1208	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	H	1208	CLA	C2B-C1B-NB	4.16	114.64	110.33
15	H	1207	F6C	O2D-CGD-O1D	-4.15	115.76	123.85
14	B	1223	CLA	C2B-C1B-NB	4.15	114.63	110.33
14	L	1501	CLA	O2D-CGD-O1D	-4.15	115.77	123.85
14	a	1133	CLA	O2A-CGA-CBA	4.15	124.49	111.83
14	U	1501	CLA	O2D-CGD-O1D	-4.15	115.77	123.85
14	G	1136	CLA	C1D-ND-C4D	-4.15	103.40	106.31
14	G	1134	CLA	C3B-C2B-C1B	-4.15	102.28	107.17
14	b	1223	CLA	C2B-C1B-NB	4.15	114.63	110.33
14	B	1214	CLA	O2A-CGA-CBA	4.15	124.48	111.83
14	M	1501	CLA	C3B-C2B-C1B	-4.15	102.28	107.17
19	l	5101	LHG	O7-C7-C8	4.15	120.45	111.48
14	b	1206	CLA	C4-C3-C5	4.15	122.42	115.23
14	A	1116	CLA	O2A-CGA-CBA	4.15	124.47	111.83
14	H	1206	CLA	C4-C3-C5	4.14	122.42	115.23
14	A	1136	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	l	1501	CLA	O2D-CGD-O1D	-4.14	115.78	123.85
14	G	1103	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	a	1122	CLA	C1C-C2C-C3C	-4.14	102.62	106.98
18	i	4018	BCR	C38-C26-C25	-4.14	119.97	124.48
14	a	1120	CLA	CHD-C1D-ND	-4.14	118.98	124.80
14	G	1116	CLA	O2A-CGA-CBA	4.14	124.46	111.83
14	H	1214	CLA	O2A-CGA-CBA	4.14	124.46	111.83
14	b	1234	CLA	C4A-NA-C1A	4.14	108.57	106.68
14	A	1103	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	G	1112	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	a	1116	CLA	O2A-CGA-CBA	4.14	124.45	111.83
19	L	5101	LHG	O7-C7-C8	4.14	120.43	111.48
14	A	1112	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	m	1501	CLA	C3B-C2B-C1B	-4.13	102.30	107.17
14	G	1117	CLA	C2B-C1B-NB	4.13	114.61	110.33
14	G	1120	CLA	CHD-C1D-ND	-4.13	118.98	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1111	CLA	C1-C2-C3	-4.13	119.42	126.20
14	H	1206	CLA	C1D-ND-C4D	-4.13	103.41	106.31
14	A	1120	CLA	CHD-C1D-ND	-4.13	118.99	124.80
14	a	1112	CLA	C1D-ND-C4D	-4.13	103.41	106.31
14	G	1115	CLA	C2B-C1B-NB	4.13	114.61	110.33
14	H	1216	CLA	C1D-ND-C4D	-4.13	103.42	106.31
19	U	5101	LHG	O7-C7-C8	4.13	120.41	111.48
14	a	1115	CLA	C1D-ND-C4D	-4.13	103.42	106.31
14	V	1501	CLA	C3B-C2B-C1B	-4.13	102.30	107.17
14	G	1111	CLA	C1-C2-C3	-4.13	119.44	126.20
14	b	1214	CLA	O2A-CGA-CBA	4.13	124.41	111.83
14	G	1134	CLA	C4A-NA-C1A	4.13	108.56	106.68
18	U	4022	BCR	C33-C5-C6	-4.12	119.99	124.48
14	A	1130	CLA	C2B-C1B-NB	4.12	114.59	110.33
14	a	1130	CLA	C2B-C1B-NB	4.12	114.59	110.33
14	a	1012	CLA	C4A-NA-C1A	4.12	108.56	106.68
14	a	1119	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	a	1136	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	A	1115	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	G	1130	CLA	C2B-C1B-NB	4.11	114.59	110.33
14	b	1226	CLA	C2D-C1D-ND	4.11	114.19	110.13
14	H	1226	CLA	C2D-C1D-ND	4.10	114.19	110.13
18	L	4022	BCR	C33-C5-C6	-4.10	120.01	124.48
14	H	1228	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	V	1501	CLA	O2A-CGA-CBA	4.10	124.33	111.83
14	H	1224	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	H	1220	CLA	C1D-ND-C4D	-4.10	103.44	106.31
14	A	1115	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	m	1501	CLA	O2A-CGA-CBA	4.10	124.32	111.83
14	M	1501	CLA	O2A-CGA-CBA	4.09	124.31	111.83
14	L	1503	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	a	1109	CLA	CHD-C1D-ND	-4.09	119.05	124.80
14	a	1140	CLA	O2A-CGA-CBA	4.09	124.30	111.83
14	b	1228	CLA	C2B-C1B-NB	4.09	114.56	110.33
14	A	1109	CLA	CHD-C1D-ND	-4.09	119.05	124.80
14	b	1225	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	a	1125	CLA	O2A-CGA-CBA	4.09	124.29	111.83
14	B	1224	CLA	C2B-C1B-NB	4.09	114.56	110.33
18	G	4002	BCR	C38-C26-C25	-4.09	120.03	124.48
14	B	1228	CLA	C2B-C1B-NB	4.08	114.56	110.33
14	b	1216	CLA	O2A-C1-C2	4.08	123.82	108.11
14	A	1140	CLA	O2A-CGA-CBA	4.08	124.28	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	l	4022	BCR	C33-C5-C6	-4.08	120.03	124.48
14	G	1109	CLA	CHD-C1D-ND	-4.08	119.06	124.80
14	a	1103	CLA	C1D-ND-C4D	-4.08	103.45	106.31
14	A	1102	CLA	C1-C2-C3	-4.08	120.16	126.76
14	G	1140	CLA	O2A-CGA-CBA	4.08	124.28	111.83
14	G	1123	CLA	O2A-CGA-CBA	4.08	124.28	111.83
14	B	1226	CLA	C2D-C1D-ND	4.08	114.16	110.13
14	B	1216	CLA	O2A-C1-C2	4.08	123.80	108.11
14	a	1115	CLA	C2B-C1B-NB	4.08	114.56	110.33
14	H	1216	CLA	O2A-C1-C2	4.08	123.80	108.11
14	B	1225	CLA	C1D-ND-C4D	-4.08	103.45	106.31
14	A	1125	CLA	O2A-CGA-CBA	4.08	124.26	111.83
14	G	1125	CLA	O2A-CGA-CBA	4.08	124.26	111.83
14	a	1136	CLA	C2B-C1B-NB	4.08	114.55	110.33
14	H	1218	CLA	C2B-C1B-NB	4.07	114.55	110.33
14	a	1123	CLA	O2A-CGA-CBA	4.07	124.25	111.83
14	l	1502	CLA	CHD-C1D-ND	-4.07	119.07	124.80
14	a	1102	CLA	C1-C2-C3	-4.07	120.17	126.76
14	A	1123	CLA	O2A-CGA-CBA	4.07	124.25	111.83
14	A	1129	CLA	C4A-NA-C1A	4.07	108.54	106.68
14	L	1502	CLA	CHD-C1D-ND	-4.07	119.08	124.80
14	A	1136	CLA	C2B-C1B-NB	4.07	114.55	110.33
14	G	1120	CLA	C2B-C1B-NB	4.07	114.54	110.33
18	a	4002	BCR	C38-C26-C25	-4.07	120.05	124.48
14	U	1503	CLA	C1D-ND-C4D	-4.07	103.46	106.31
14	B	1022	CLA	C2B-C1B-NB	4.07	114.54	110.33
14	H	1022	CLA	C2B-C1B-NB	4.06	114.54	110.33
14	a	1111	CLA	O2A-CGA-CBA	4.06	124.22	111.83
15	B	1230	F6C	C4A-C3A-C2A	-4.06	100.94	106.97
14	A	1111	CLA	O2A-CGA-CBA	4.06	124.22	111.83
14	B	1210	CLA	C1C-C2C-C3C	-4.06	102.71	106.98
14	G	1102	CLA	C1-C2-C3	-4.06	120.19	126.76
14	b	1221	CLA	C1D-ND-C4D	-4.06	103.46	106.31
18	A	4002	BCR	C38-C26-C25	-4.06	120.05	124.48
21	H	6003	LMT	C1-O1'-C1'	4.06	120.61	113.68
14	G	1129	CLA	C2B-C1B-NB	4.06	114.53	110.33
14	B	1203	CLA	O2A-C1-C2	4.06	123.72	108.11
14	H	1225	CLA	C1D-ND-C4D	-4.05	103.47	106.31
14	H	1203	CLA	O2A-C1-C2	4.05	123.71	108.11
14	A	1120	CLA	C2B-C1B-NB	4.05	114.53	110.33
14	a	1138	CLA	C2B-C1B-NB	4.05	114.53	110.33
14	G	1111	CLA	O2A-CGA-CBA	4.05	124.19	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1129	CLA	C4A-NA-C1A	4.05	108.53	106.68
15	b	1238	F6C	C1-C2-C3	-4.05	119.56	126.20
14	M	1501	CLA	C1D-ND-C4D	-4.05	103.47	106.31
14	b	1210	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
14	H	1023	CLA	CAA-C2A-C3A	-4.05	102.05	113.00
21	b	6003	LMT	C1-O1'-C1'	4.05	120.60	113.68
15	B	1238	F6C	C4A-NA-C1A	4.05	109.15	106.31
14	b	1203	CLA	O2A-C1-C2	4.05	123.69	108.11
15	b	1238	F6C	C4A-NA-C1A	4.05	109.15	106.31
14	G	1138	CLA	C2B-C1B-NB	4.05	114.52	110.33
14	a	1120	CLA	C2B-C1B-NB	4.05	114.52	110.33
15	B	1238	F6C	C1-C2-C3	-4.04	119.57	126.20
14	B	1023	CLA	CAA-C2A-C3A	-4.04	102.07	113.00
14	a	1129	CLA	C2B-C1B-NB	4.04	114.52	110.33
21	B	6003	LMT	C1-O1'-C1'	4.04	120.59	113.68
18	b	4005	BCR	C33-C5-C6	-4.04	120.07	124.48
14	A	1132	CLA	C2B-C1B-NB	4.04	114.52	110.33
15	H	1238	F6C	C1-C2-C3	-4.04	119.58	126.20
15	b	1230	F6C	C4A-C3A-C2A	-4.04	100.98	106.97
14	U	1502	CLA	CHD-C1D-ND	-4.04	119.12	124.80
14	A	1116	CLA	C2B-C1B-NB	4.04	114.52	110.33
14	A	1138	CLA	C2B-C1B-NB	4.04	114.52	110.33
15	H	1230	F6C	C4A-C3A-C2A	-4.04	100.98	106.97
14	b	1023	CLA	CAA-C2A-C3A	-4.04	102.09	113.00
14	H	1229	CLA	C4A-NA-C1A	4.04	108.52	106.68
14	B	1215	CLA	O2A-CGA-CBA	4.04	124.14	111.83
18	B	4005	BCR	C33-C5-C6	-4.04	120.08	124.48
14	G	1136	CLA	C2B-C1B-NB	4.04	114.51	110.33
14	A	1129	CLA	C2B-C1B-NB	4.03	114.51	110.33
14	l	1503	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	H	1215	CLA	O2A-CGA-CBA	4.03	124.13	111.83
14	B	1232	CLA	C2B-C1B-NB	4.03	114.51	110.33
14	G	1114	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	a	1109	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	b	1232	CLA	C2B-C1B-NB	4.03	114.50	110.33
14	B	1226	CLA	C1-C2-C3	-4.03	119.59	126.20
14	m	1501	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	b	1215	CLA	O2A-CGA-CBA	4.03	124.12	111.83
14	b	1224	CLA	C2B-C1B-NB	4.03	114.50	110.33
14	B	1229	CLA	C4A-NA-C1A	4.03	108.52	106.68
14	B	1210	CLA	O2A-CGA-CBA	4.03	124.11	111.83
14	H	1210	CLA	O2A-CGA-CBA	4.03	124.11	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1210	CLA	C1C-C2C-C3C	-4.03	102.75	106.98
14	H	1231	CLA	CHD-C1D-ND	-4.03	119.14	124.80
14	b	1226	CLA	C1-C2-C3	-4.03	119.60	126.20
14	b	1210	CLA	O2A-CGA-CBA	4.03	124.11	111.83
14	a	1114	CLA	C1D-ND-C4D	-4.02	103.49	106.31
14	B	1231	CLA	CHD-C1D-ND	-4.02	119.14	124.80
14	H	1234	CLA	C4A-NA-C1A	4.02	108.52	106.68
14	B	1228	CLA	O2A-CGA-CBA	4.02	124.11	111.83
14	b	1218	CLA	C2B-C1B-NB	4.02	114.50	110.33
15	H	1238	F6C	O2A-C1-C2	4.02	123.59	108.11
14	B	1218	CLA	C2B-C1B-NB	4.02	114.50	110.33
14	a	1132	CLA	C2B-C1B-NB	4.02	114.50	110.33
14	A	1114	CLA	C1D-ND-C4D	-4.02	103.49	106.31
14	H	1227	CLA	CHD-C1D-ND	-4.02	119.15	124.80
14	b	1022	CLA	C2B-C1B-NB	4.02	114.49	110.33
14	A	1012	CLA	C4A-NA-C1A	4.02	108.51	106.68
15	b	1219	F6C	O2A-CGA-CBA	4.02	124.08	111.83
14	a	1116	CLA	C2B-C1B-NB	4.02	114.49	110.33
14	b	1231	CLA	CHD-C1D-ND	-4.02	119.15	124.80
14	V	1501	CLA	C1D-ND-C4D	-4.01	103.50	106.31
14	G	1116	CLA	C2B-C1B-NB	4.01	114.49	110.33
14	H	1232	CLA	C2B-C1B-NB	4.01	114.49	110.33
14	H	1228	CLA	O2A-CGA-CBA	4.01	124.07	111.83
14	B	1220	CLA	C1D-ND-C4D	-4.01	103.50	106.31
14	A	1103	CLA	CHD-C1D-ND	-4.01	119.16	124.80
14	B	1221	CLA	C1D-ND-C4D	-4.01	103.50	106.31
14	a	1122	CLA	O2A-CGA-CBA	4.01	124.07	111.83
14	G	1122	CLA	O2A-CGA-CBA	4.01	124.06	111.83
14	H	1226	CLA	C1-C2-C3	-4.01	119.63	126.20
18	G	4004	BCR	C24-C23-C22	-4.01	120.30	126.23
15	B	1238	F6C	O2A-C1-C2	4.01	123.54	108.11
14	H	1201	CLA	O2A-CGA-CBA	4.01	124.06	111.83
15	H	1219	F6C	O2A-CGA-CBA	4.01	124.06	111.83
14	B	1227	CLA	CHD-C1D-ND	-4.01	119.16	124.80
14	G	1105	CLA	C2B-C1B-NB	4.01	114.48	110.33
14	b	1228	CLA	O2A-CGA-CBA	4.01	124.05	111.83
15	B	1219	F6C	O2A-CGA-CBA	4.01	124.05	111.83
14	b	1201	CLA	O2A-CGA-CBA	4.01	124.05	111.83
14	A	1122	CLA	O2A-CGA-CBA	4.01	124.05	111.83
14	G	1132	CLA	C2B-C1B-NB	4.01	114.48	110.33
14	b	1227	CLA	CHD-C1D-ND	-4.00	119.17	124.80
18	A	4004	BCR	C24-C23-C22	-4.00	120.31	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1103	CLA	CHD-C1D-ND	-4.00	119.17	124.80
15	b	1238	F6C	O2A-C1-C2	4.00	123.51	108.11
14	a	1122	CLA	C4-C3-C5	4.00	122.18	115.23
18	a	4004	BCR	C24-C23-C22	-4.00	120.31	126.23
14	B	1201	CLA	O2A-CGA-CBA	4.00	124.03	111.83
18	H	4005	BCR	C33-C5-C6	-4.00	120.12	124.48
15	H	1238	F6C	C4A-NA-C1A	4.00	109.12	106.31
14	A	1105	CLA	C2B-C1B-NB	4.00	114.47	110.33
18	b	4010	BCR	C3-C4-C5	-4.00	106.93	114.06
14	G	1129	CLA	C4A-NA-C1A	4.00	108.50	106.68
14	G	1012	CLA	C4A-NA-C1A	3.99	108.50	106.68
14	G	1012	CLA	CHD-C1D-ND	-3.99	119.18	124.80
14	b	1220	CLA	C1D-ND-C4D	-3.99	103.51	106.31
14	A	1133	CLA	C1-C2-C3	-3.99	119.66	126.20
14	a	1105	CLA	C2B-C1B-NB	3.99	114.46	110.33
14	a	1133	CLA	C1-C2-C3	-3.98	119.67	126.20
14	A	1012	CLA	CHD-C1D-ND	-3.98	119.20	124.80
14	A	1122	CLA	C4-C3-C5	3.98	122.14	115.23
14	a	1103	CLA	CHD-C1D-ND	-3.98	119.20	124.80
14	H	1223	CLA	O2A-CGA-CBA	3.98	123.97	111.83
14	H	1222	CLA	C2B-C1B-NB	3.98	114.45	110.33
14	A	1109	CLA	C1D-ND-C4D	-3.98	103.52	106.31
18	B	4010	BCR	C3-C4-C5	-3.98	106.96	114.06
14	B	1223	CLA	O2A-CGA-CBA	3.98	123.96	111.83
18	H	4010	BCR	C3-C4-C5	-3.98	106.96	114.06
14	H	1221	CLA	C1D-ND-C4D	-3.97	103.52	106.31
14	a	1012	CLA	CHD-C1D-ND	-3.97	119.21	124.80
15	b	1238	F6C	C3D-C2D-C1D	-3.97	100.08	105.83
14	H	1229	CLA	C2B-C1B-NB	3.97	114.45	110.33
15	B	1238	F6C	C3D-C2D-C1D	-3.97	100.08	105.83
14	B	1229	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	b	1215	CLA	CHD-C1D-ND	-3.97	119.22	124.80
15	B	1219	F6C	C4A-C3A-C2A	-3.97	101.08	106.97
14	b	1223	CLA	O2A-CGA-CBA	3.97	123.94	111.83
14	G	1133	CLA	C1-C2-C3	-3.97	119.69	126.20
14	A	1122	CLA	C1D-ND-C4D	-3.97	103.53	106.31
14	b	1229	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	G	1122	CLA	C4-C3-C5	3.97	122.11	115.23
15	H	1238	F6C	C3D-C2D-C1D	-3.96	100.09	105.83
15	H	1219	F6C	C4A-C3A-C2A	-3.96	101.09	106.97
15	b	1219	F6C	C4A-C3A-C2A	-3.96	101.10	106.97
14	a	1102	CLA	O2A-C1-C2	3.96	123.34	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1229	CLA	C4A-NA-C1A	3.96	108.48	106.68
14	H	1021	CLA	O2D-CGD-O1D	-3.96	116.15	123.85
14	B	1215	CLA	CHD-C1D-ND	-3.96	119.24	124.80
14	B	1240	CLA	C1D-ND-C4D	-3.96	103.54	106.31
14	A	1104	CLA	CHD-C1D-ND	-3.95	119.24	124.80
14	B	1222	CLA	C2B-C1B-NB	3.95	114.42	110.33
14	G	1104	CLA	CHD-C1D-ND	-3.95	119.24	124.80
14	a	1122	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	G	1109	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	H	1240	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	a	1104	CLA	CHD-C1D-ND	-3.95	119.25	124.80
14	H	1240	CLA	C4A-NA-C1A	3.95	108.48	106.68
14	b	1232	CLA	C1D-ND-C4D	-3.95	103.54	106.31
18	V	4021	BCR	C24-C23-C22	-3.94	120.40	126.23
14	H	1226	CLA	CHD-C1D-ND	-3.94	119.25	124.80
14	b	1222	CLA	C2B-C1B-NB	3.94	114.42	110.33
14	a	1138	CLA	C1D-ND-C4D	-3.94	103.55	106.31
14	A	1102	CLA	O2A-C1-C2	3.94	123.27	108.11
14	B	1232	CLA	C1D-ND-C4D	-3.94	103.55	106.31
14	G	1102	CLA	O2A-C1-C2	3.94	123.26	108.11
14	B	1021	CLA	O2D-CGD-O1D	-3.94	116.19	123.85
18	H	4009	BCR	C38-C26-C25	-3.93	120.19	124.48
18	G	4004	BCR	C27-C26-C25	-3.93	117.39	122.70
18	a	4004	BCR	C33-C5-C6	-3.93	120.19	124.48
14	b	1240	CLA	C1D-ND-C4D	-3.93	103.55	106.31
18	m	4021	BCR	C24-C23-C22	-3.93	120.42	126.23
14	G	1103	CLA	O2A-CGA-CBA	3.93	123.81	111.83
18	M	4021	BCR	C24-C23-C22	-3.93	120.42	126.23
14	A	1103	CLA	O2A-CGA-CBA	3.93	123.81	111.83
14	b	1235	CLA	C2B-C1B-NB	3.93	114.40	110.33
14	G	1122	CLA	C1D-ND-C4D	-3.93	103.56	106.31
18	a	4004	BCR	C31-C1-C6	-3.93	104.09	110.24
18	a	4004	BCR	C27-C26-C25	-3.92	117.40	122.70
14	H	1215	CLA	CHD-C1D-ND	-3.92	119.28	124.80
14	b	1021	CLA	O2D-CGD-O1D	-3.92	116.22	123.85
14	a	1103	CLA	O2A-CGA-CBA	3.92	123.79	111.83
14	H	1232	CLA	C1D-ND-C4D	-3.92	103.56	106.31
14	a	1132	CLA	CHD-C1D-ND	-3.92	119.29	124.80
18	b	4009	BCR	C38-C26-C25	-3.92	120.21	124.48
14	l	1503	CLA	O2A-C1-C2	3.92	123.18	108.11
14	A	1012	CLA	O2A-CGA-CBA	3.92	123.77	111.83
14	a	1132	CLA	O2D-CGD-O1D	-3.91	116.23	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1012	CLA	O2A-CGA-CBA	3.91	123.77	111.83
18	A	4004	BCR	C31-C1-C6	-3.91	104.11	110.24
14	L	1503	CLA	O2A-C1-C2	3.91	123.15	108.11
15	H	1207	F6C	CAA-C2A-C1A	-3.91	117.09	128.01
18	B	4009	BCR	C38-C26-C25	-3.91	120.22	124.48
18	G	4004	BCR	C33-C5-C6	-3.91	120.22	124.48
14	A	1138	CLA	C1D-ND-C4D	-3.91	103.57	106.31
14	b	1023	CLA	CHD-C1D-ND	-3.91	119.31	124.80
14	G	1106	CLA	O2A-CGA-CBA	3.90	123.74	111.83
14	A	1132	CLA	O2D-CGD-O1D	-3.90	116.25	123.85
18	b	4017	BCR	C38-C26-C25	-3.90	120.22	124.48
13	G	1011	CL0	O2A-CGA-CBA	3.90	123.74	111.83
18	G	4004	BCR	C31-C1-C6	-3.90	104.12	110.24
14	U	1503	CLA	O2A-C1-C2	3.90	123.13	108.11
14	G	1012	CLA	O2A-CGA-CBA	3.90	123.73	111.83
14	a	1130	CLA	C4A-NA-C1A	3.90	108.46	106.68
15	b	1207	F6C	CAA-C2A-C1A	-3.90	117.11	128.01
15	B	1207	F6C	CAA-C2A-C1A	-3.90	117.11	128.01
13	a	1011	CL0	O2A-CGA-CBA	3.90	123.73	111.83
18	A	4004	BCR	C27-C26-C25	-3.90	117.43	122.70
14	G	1108	CLA	C4A-NA-C1A	3.90	108.46	106.68
13	A	1011	CL0	O2A-CGA-CBA	3.90	123.72	111.83
18	H	4017	BCR	C38-C26-C25	-3.90	120.23	124.48
14	B	1226	CLA	CHD-C1D-ND	-3.90	119.32	124.80
14	a	1102	CLA	CHD-C1D-ND	-3.90	119.32	124.80
14	G	1138	CLA	C1D-ND-C4D	-3.90	103.58	106.31
14	a	1127	CLA	C1-C2-C3	-3.89	119.82	126.20
14	A	1130	CLA	C4A-NA-C1A	3.89	108.45	106.68
18	A	4004	BCR	C33-C5-C6	-3.89	120.24	124.48
14	B	1023	CLA	CHD-C1D-ND	-3.89	119.33	124.80
14	G	1129	CLA	CHD-C1D-ND	-3.89	119.33	124.80
14	H	1023	CLA	CHD-C1D-ND	-3.89	119.33	124.80
14	a	1106	CLA	O2A-CGA-CBA	3.89	123.70	111.83
14	A	1106	CLA	O2A-CGA-CBA	3.89	123.69	111.83
14	G	1102	CLA	CHD-C1D-ND	-3.89	119.33	124.80
14	a	1139	CLA	C2B-C1B-NB	3.89	114.36	110.33
15	H	1238	F6C	C2D-C1D-ND	3.88	114.06	109.98
14	B	1240	CLA	C4A-NA-C1A	3.88	108.45	106.68
15	B	1238	F6C	C2D-C1D-ND	3.88	114.06	109.98
14	A	1102	CLA	CHD-C1D-ND	-3.88	119.34	124.80
14	A	1139	CLA	C2B-C1B-NB	3.88	114.35	110.33
14	a	1129	CLA	CHD-C1D-ND	-3.88	119.34	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1226	CLA	CHD-C1D-ND	-3.88	119.34	124.80
18	B	4017	BCR	C38-C26-C25	-3.88	120.25	124.48
14	G	1139	CLA	C2B-C1B-NB	3.88	114.35	110.33
14	A	1132	CLA	CHD-C1D-ND	-3.88	119.34	124.80
14	A	1013	CLA	O2A-C1-C2	3.88	123.04	108.11
14	B	1235	CLA	C2B-C1B-NB	3.88	114.35	110.33
15	b	1238	F6C	C2D-C1D-ND	3.88	114.06	109.98
14	G	1013	CLA	O2A-C1-C2	3.88	123.03	108.11
14	G	1132	CLA	O2D-CGD-O1D	-3.88	116.30	123.85
14	B	1240	CLA	CHD-C1D-ND	-3.88	119.35	124.80
14	b	1240	CLA	CHD-C1D-ND	-3.87	119.35	124.80
14	a	1013	CLA	O2A-C1-C2	3.87	123.02	108.11
18	G	4006	BCR	C33-C5-C6	-3.87	120.26	124.48
14	A	1127	CLA	C1-C2-C3	-3.87	119.86	126.20
18	I	4018	BCR	C15-C14-C13	-3.86	121.86	127.28
18	H	4014	BCR	C33-C5-C6	-3.86	120.27	124.48
14	a	1109	CLA	O2A-CGA-CBA	3.86	123.60	111.83
14	B	1215	CLA	C1D-ND-C4D	-3.86	103.61	106.31
14	b	1201	CLA	CHD-C1D-ND	-3.86	119.37	124.80
14	A	1111	CLA	C2B-C1B-NB	3.86	114.33	110.33
14	A	1129	CLA	CHD-C1D-ND	-3.86	119.38	124.80
18	B	4014	BCR	C33-C5-C6	-3.85	120.28	124.48
14	G	1111	CLA	C2B-C1B-NB	3.85	114.32	110.33
14	G	1131	CLA	C2B-C1B-NB	3.85	114.32	110.33
14	a	1111	CLA	C2B-C1B-NB	3.85	114.32	110.33
18	R	4018	BCR	C15-C14-C13	-3.85	121.88	127.28
14	G	1130	CLA	C4A-NA-C1A	3.85	108.44	106.68
14	G	1127	CLA	C1-C2-C3	-3.85	119.89	126.20
14	G	1132	CLA	CHD-C1D-ND	-3.85	119.39	124.80
14	A	1109	CLA	O2A-CGA-CBA	3.85	123.57	111.83
14	a	1117	CLA	O2A-C1-C2	3.85	122.91	108.11
18	A	4004	BCR	C7-C8-C9	-3.85	120.54	126.23
14	H	1240	CLA	CHD-C1D-ND	-3.85	119.39	124.80
18	b	4014	BCR	C33-C5-C6	-3.85	120.29	124.48
14	b	1215	CLA	C1D-ND-C4D	-3.85	103.61	106.31
14	H	1210	CLA	CAC-C3C-C4C	3.84	129.79	124.79
14	G	1109	CLA	O2A-CGA-CBA	3.84	123.55	111.83
18	G	4004	BCR	C7-C8-C9	-3.84	120.55	126.23
14	H	1215	CLA	C1D-ND-C4D	-3.84	103.62	106.31
14	A	1117	CLA	O2A-C1-C2	3.84	122.88	108.11
18	A	4006	BCR	C33-C5-C6	-3.84	120.30	124.48
14	G	1108	CLA	CHD-C1D-ND	-3.84	119.40	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1117	CLA	O2D-CGD-O1D	-3.84	116.38	123.85
15	H	1237	F6C	O2A-CGA-CBA	3.84	123.53	111.83
14	A	1136	CLA	CHD-C1D-ND	-3.84	119.41	124.80
14	a	1117	CLA	O2D-CGD-O1D	-3.84	116.38	123.85
15	b	1207	F6C	C1A-C2A-C3A	-3.83	102.93	106.97
14	G	1117	CLA	O2A-C1-C2	3.83	122.86	108.11
14	H	1235	CLA	C2B-C1B-NB	3.83	114.30	110.33
14	G	1136	CLA	CHD-C1D-ND	-3.83	119.41	124.80
14	A	1108	CLA	C4A-NA-C1A	3.83	108.43	106.68
14	a	1108	CLA	C4A-NA-C1A	3.83	108.43	106.68
14	G	1137	CLA	O2A-C1-C2	3.83	122.85	108.11
18	a	4006	BCR	C33-C5-C6	-3.83	120.30	124.48
14	G	1131	CLA	C1-C2-C3	-3.83	119.92	126.20
14	A	1118	CLA	O2A-CGA-CBA	3.83	123.51	111.83
14	A	1137	CLA	O2A-C1-C2	3.83	122.85	108.11
14	a	1137	CLA	O2A-C1-C2	3.83	122.84	108.11
14	A	1117	CLA	O2D-CGD-O1D	-3.83	116.40	123.85
14	l	1502	CLA	O2D-CGD-O1D	-3.83	116.40	123.85
18	i	4018	BCR	C15-C14-C13	-3.83	121.91	127.28
14	L	1502	CLA	O2D-CGD-O1D	-3.83	116.40	123.85
14	G	1118	CLA	O2A-CGA-CBA	3.83	123.50	111.83
18	R	4020	BCR	C15-C14-C13	-3.83	121.91	127.28
18	a	4004	BCR	C7-C8-C9	-3.83	120.58	126.23
15	b	1237	F6C	O2A-CGA-CBA	3.82	123.50	111.83
14	b	1223	CLA	C1D-ND-C4D	-3.82	103.63	106.31
14	a	1118	CLA	O2A-CGA-CBA	3.82	123.49	111.83
14	B	1201	CLA	CHD-C1D-ND	-3.82	119.42	124.80
15	B	1237	F6C	O2A-CGA-CBA	3.82	123.48	111.83
14	A	1108	CLA	CHD-C1D-ND	-3.82	119.43	124.80
15	B	1207	F6C	C1A-C2A-C3A	-3.82	102.95	106.97
14	G	1106	CLA	C2B-C1B-NB	3.82	114.29	110.33
14	b	1210	CLA	CAC-C3C-C4C	3.82	129.76	124.79
14	a	1108	CLA	CHD-C1D-ND	-3.82	119.43	124.80
18	b	4005	BCR	C34-C9-C10	-3.82	116.63	122.82
14	H	1216	CLA	C2B-C1B-NB	3.82	114.28	110.33
14	b	1240	CLA	C4A-NA-C1A	3.82	108.42	106.68
14	a	1105	CLA	CHD-C1D-ND	-3.81	119.44	124.80
14	H	1224	CLA	C4-C3-C5	3.81	121.85	115.23
18	B	4005	BCR	C34-C9-C10	-3.81	116.64	122.82
14	a	1127	CLA	O2A-CGA-CBA	3.81	123.46	111.83
14	a	1115	CLA	CAA-C2A-C3A	-3.81	102.70	113.00
19	U	5101	LHG	O8-C23-C24	3.81	123.45	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1502	CLA	O2D-CGD-O1D	-3.81	116.43	123.85
14	A	1115	CLA	CAA-C2A-C3A	-3.81	102.71	113.00
14	a	1136	CLA	CHD-C1D-ND	-3.81	119.44	124.80
14	a	1131	CLA	C2B-C1B-NB	3.81	114.27	110.33
14	A	1131	CLA	C2B-C1B-NB	3.81	114.27	110.33
14	B	1210	CLA	CAC-C3C-C4C	3.81	129.74	124.79
18	I	4020	BCR	C15-C14-C13	-3.81	121.94	127.28
19	L	5101	LHG	O8-C23-C24	3.80	123.43	111.83
14	H	1228	CLA	C4A-NA-C1A	3.80	108.41	106.68
14	G	1115	CLA	CAA-C2A-C3A	-3.80	102.72	113.00
15	H	1219	F6C	C3A-C4A-NA	3.80	113.89	110.13
18	H	4005	BCR	C34-C9-C10	-3.80	116.66	122.82
14	G	1127	CLA	O2A-CGA-CBA	3.80	123.42	111.83
14	B	1228	CLA	C4A-NA-C1A	3.80	108.41	106.68
14	A	1127	CLA	O2A-CGA-CBA	3.80	123.42	111.83
15	B	1219	F6C	C3A-C4A-NA	3.80	113.89	110.13
18	i	4020	BCR	C15-C14-C13	-3.80	121.95	127.28
19	l	5101	LHG	O8-C23-C24	3.80	123.42	111.83
14	B	1216	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	A	1130	CLA	C1D-ND-C4D	-3.80	103.65	106.31
14	H	1223	CLA	C1D-ND-C4D	-3.80	103.65	106.31
14	a	1131	CLA	C1-C2-C3	-3.80	119.97	126.20
14	H	1201	CLA	CHD-C1D-ND	-3.80	119.46	124.80
14	L	1503	CLA	O2A-CGA-CBA	3.80	123.41	111.83
14	l	1503	CLA	O2A-CGA-CBA	3.80	123.41	111.83
15	b	1237	F6C	C1-C2-C3	-3.80	119.98	126.20
14	A	1131	CLA	C1-C2-C3	-3.80	119.98	126.20
14	A	1106	CLA	C2B-C1B-NB	3.79	114.26	110.33
14	G	1105	CLA	CHD-C1D-ND	-3.79	119.46	124.80
15	H	1230	F6C	C1C-C2C-C3C	-3.79	102.47	106.82
15	B	1237	F6C	C1-C2-C3	-3.79	119.98	126.20
14	B	1224	CLA	C4-C3-C5	3.79	121.81	115.23
15	H	1207	F6C	C1A-C2A-C3A	-3.79	102.98	106.97
14	U	1503	CLA	O2A-CGA-CBA	3.79	123.39	111.83
18	B	4004	BCR	C3-C4-C5	-3.79	107.30	114.06
15	G	1121	F6C	CMA-C3A-C2A	-3.79	115.91	126.15
14	A	1105	CLA	CHD-C1D-ND	-3.79	119.47	124.80
15	A	1121	F6C	CMA-C3A-C2A	-3.79	115.91	126.15
14	A	1130	CLA	CHD-C1D-ND	-3.78	119.48	124.80
15	B	1230	F6C	C1C-C2C-C3C	-3.78	102.48	106.82
14	a	1130	CLA	C1D-ND-C4D	-3.78	103.66	106.31
15	a	1121	F6C	CMA-C3A-C2A	-3.78	115.92	126.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4004	BCR	C3-C4-C5	-3.78	107.31	114.06
15	G	1121	F6C	C4A-C3A-C2A	-3.78	101.36	106.97
14	U	1502	CLA	C1-C2-C3	-3.78	120.00	126.20
14	a	1130	CLA	CHD-C1D-ND	-3.78	119.49	124.80
14	B	1208	CLA	CHD-C1D-ND	-3.78	119.49	124.80
14	B	1223	CLA	C1D-ND-C4D	-3.78	103.66	106.31
15	a	1121	F6C	C4A-C3A-C2A	-3.78	101.37	106.97
14	a	1106	CLA	C2B-C1B-NB	3.78	114.24	110.33
14	G	1012	CLA	CAA-C2A-C3A	-3.77	102.80	113.00
14	l	1502	CLA	C1-C2-C3	-3.77	120.01	126.20
15	H	1237	F6C	C1-C2-C3	-3.77	120.01	126.20
14	A	1012	CLA	CAA-C2A-C3A	-3.77	102.81	113.00
14	b	1224	CLA	C4-C3-C5	3.77	121.77	115.23
14	a	1012	CLA	CAA-C2A-C3A	-3.77	102.81	113.00
18	B	4006	BCR	C7-C8-C9	-3.77	120.66	126.23
14	L	1502	CLA	C1-C2-C3	-3.77	120.03	126.20
14	G	1126	CLA	CHD-C1D-ND	-3.77	119.50	124.80
14	H	1208	CLA	CHD-C1D-ND	-3.77	119.50	124.80
14	a	1126	CLA	CHD-C1D-ND	-3.76	119.50	124.80
18	H	4004	BCR	C3-C4-C5	-3.76	107.34	114.06
15	b	1219	F6C	C3A-C4A-NA	3.76	113.85	110.13
15	b	1230	F6C	C1C-C2C-C3C	-3.76	102.51	106.82
14	A	1126	CLA	CHD-C1D-ND	-3.76	119.51	124.80
14	G	1130	CLA	CHD-C1D-ND	-3.76	119.52	124.80
15	A	1121	F6C	C4A-C3A-C2A	-3.76	101.40	106.97
14	b	1021	CLA	CAA-C2A-C3A	-3.76	102.85	113.00
14	H	1021	CLA	CAA-C2A-C3A	-3.75	102.85	113.00
14	b	1228	CLA	C1D-ND-C4D	-3.75	103.68	106.31
18	H	4006	BCR	C7-C8-C9	-3.75	120.68	126.23
14	a	1135	CLA	O2A-CGA-CBA	3.75	123.27	111.83
14	H	1228	CLA	CHD-C1D-ND	-3.75	119.52	124.80
15	G	1121	F6C	C3A-C4A-NA	3.75	113.84	110.13
15	a	1121	F6C	C3A-C4A-NA	3.75	113.84	110.13
14	G	1110	CLA	O2D-CGD-O1D	-3.75	116.55	123.85
14	a	1140	CLA	C1D-ND-C4D	-3.75	103.68	106.31
14	A	1110	CLA	O2D-CGD-O1D	-3.75	116.55	123.85
14	b	1216	CLA	C2B-C1B-NB	3.75	114.21	110.33
14	B	1021	CLA	CAA-C2A-C3A	-3.75	102.87	113.00
14	A	1135	CLA	O2A-CGA-CBA	3.75	123.26	111.83
14	G	1132	CLA	O2A-CGA-CBA	3.75	123.26	111.83
14	B	1231	CLA	C2B-C1B-NB	3.74	114.21	110.33
14	B	1235	CLA	CHD-C1D-ND	-3.74	119.53	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1134	CLA	C2B-C1B-NB	3.74	114.21	110.33
14	b	1235	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	G	1135	CLA	O2A-CGA-CBA	3.74	123.24	111.83
14	b	1228	CLA	C4A-NA-C1A	3.74	108.39	106.68
14	b	1208	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	H	1231	CLA	O2D-CGD-O1D	-3.74	116.57	123.85
14	H	1231	CLA	C2B-C1B-NB	3.74	114.20	110.33
14	a	1131	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	A	1132	CLA	O2A-CGA-CBA	3.74	123.22	111.83
14	H	1216	CLA	O2A-CGA-CBA	3.73	123.22	111.83
14	H	1201	CLA	C4-C3-C5	3.73	121.71	115.23
14	A	1122	CLA	C2B-C1B-NB	3.73	114.20	110.33
14	b	1204	CLA	C2B-C1B-NB	3.73	114.20	110.33
14	B	1216	CLA	O2A-CGA-CBA	3.73	123.22	111.83
14	b	1216	CLA	O2A-CGA-CBA	3.73	123.22	111.83
14	a	1119	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	b	1228	CLA	CHD-C1D-ND	-3.73	119.55	124.80
14	B	1204	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	a	1131	CLA	C1D-ND-C4D	-3.73	103.69	106.31
14	b	1231	CLA	O2D-CGD-O1D	-3.73	116.59	123.85
14	B	1231	CLA	O2D-CGD-O1D	-3.73	116.59	123.85
14	B	1022	CLA	O2A-CGA-O1A	-3.73	114.30	123.63
14	b	1022	CLA	O2A-CGA-O1A	-3.73	114.30	123.63
14	G	1137	CLA	CHD-C1D-ND	-3.73	119.56	124.80
14	H	1022	CLA	O2A-CGA-O1A	-3.73	114.31	123.63
14	B	1201	CLA	C4-C3-C5	3.73	121.70	115.23
18	b	4006	BCR	C7-C8-C9	-3.73	120.72	126.23
14	B	1213	CLA	CHD-C1D-ND	-3.73	119.56	124.80
14	b	1216	CLA	CHD-C1D-ND	-3.73	119.56	124.80
14	G	1140	CLA	C1D-ND-C4D	-3.73	103.70	106.31
14	a	1122	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	A	1119	CLA	C2B-C1B-NB	3.72	114.19	110.33
14	A	1137	CLA	CHD-C1D-ND	-3.72	119.56	124.80
14	a	1138	CLA	CAA-C2A-C3A	-3.72	102.94	113.00
14	G	1118	CLA	O2A-C1-C2	3.72	122.43	108.11
14	H	1213	CLA	CHD-C1D-ND	-3.72	119.57	124.80
14	H	1235	CLA	CHD-C1D-ND	-3.72	119.57	124.80
14	a	1118	CLA	O2A-C1-C2	3.72	122.41	108.11
14	A	1118	CLA	O2A-C1-C2	3.72	122.41	108.11
14	a	1110	CLA	O2D-CGD-O1D	-3.72	116.61	123.85
14	a	1132	CLA	O2A-CGA-CBA	3.72	123.17	111.83
14	b	1239	CLA	C2B-C1B-NB	3.71	114.18	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1138	CLA	CAA-C2A-C3A	-3.71	102.96	113.00
14	b	1213	CLA	CHD-C1D-ND	-3.71	119.58	124.80
14	A	1134	CLA	C2B-C1B-NB	3.71	114.18	110.33
14	G	1134	CLA	C2B-C1B-NB	3.71	114.18	110.33
15	A	1121	F6C	C3A-C4A-NA	3.71	113.80	110.13
14	A	1138	CLA	CAA-C2A-C3A	-3.71	102.97	113.00
14	a	1137	CLA	CHD-C1D-ND	-3.71	119.58	124.80
14	b	1203	CLA	C1-C2-C3	-3.71	120.12	126.20
14	H	1228	CLA	C1D-ND-C4D	-3.71	103.71	106.31
14	A	1131	CLA	CHD-C1D-ND	-3.71	119.59	124.80
14	B	1228	CLA	CHD-C1D-ND	-3.71	119.59	124.80
14	A	1131	CLA	C1D-ND-C4D	-3.71	103.71	106.31
14	b	1201	CLA	C4-C3-C5	3.70	121.66	115.23
14	a	1140	CLA	C2B-C1B-NB	3.70	114.17	110.33
14	m	1501	CLA	C1-C2-C3	-3.70	120.77	126.76
14	a	1012	CLA	C1D-ND-C4D	-3.70	103.71	106.31
14	G	1130	CLA	C1D-ND-C4D	-3.70	103.72	106.31
14	a	1141	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	G	1122	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	H	1204	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	M	1501	CLA	C1-C2-C3	-3.70	120.78	126.76
14	G	1119	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	b	1231	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	A	1141	CLA	C2B-C1B-NB	3.69	114.15	110.33
14	B	1239	CLA	C2B-C1B-NB	3.69	114.15	110.33
14	V	1501	CLA	C1-C2-C3	-3.69	120.79	126.76
14	A	1140	CLA	C1D-ND-C4D	-3.69	103.72	106.31
14	a	1110	CLA	CHD-C1D-ND	-3.69	119.61	124.80
14	A	1012	CLA	C1D-ND-C4D	-3.69	103.72	106.31
14	B	1216	CLA	CHD-C1D-ND	-3.69	119.61	124.80
14	G	1111	CLA	O2A-C1-C2	3.69	122.29	108.11
14	A	1111	CLA	O2A-C1-C2	3.69	122.29	108.11
14	B	1212	CLA	C1D-ND-C4D	-3.68	103.73	106.31
16	B	2002	PQN	C14-C13-C15	3.68	121.62	115.23
14	B	1203	CLA	C1-C2-C3	-3.68	120.16	126.20
14	b	1205	CLA	CMB-C2B-C1B	3.68	131.02	125.42
16	b	2002	PQN	C14-C13-C15	3.68	121.61	115.23
18	a	4003	BCR	C7-C8-C9	-3.68	120.79	126.23
14	a	1111	CLA	O2A-C1-C2	3.68	122.26	108.11
14	G	1141	CLA	C2B-C1B-NB	3.68	114.14	110.33
14	l	1502	CLA	C2B-C1B-NB	3.68	114.14	110.33
14	G	1115	CLA	CBA-CAA-C2A	3.68	124.73	113.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	b	1207	F6C	CMA-C3A-C4A	-3.68	118.25	124.73
14	H	1210	CLA	CHD-C1D-ND	-3.68	119.63	124.80
18	R	4018	BCR	C33-C5-C6	-3.68	120.47	124.48
14	H	1229	CLA	CHD-C1D-ND	-3.68	119.63	124.80
18	A	4003	BCR	C7-C8-C9	-3.68	120.80	126.23
14	H	1222	CLA	CAA-CBA-CGA	-3.67	102.78	113.21
18	m	4021	BCR	C36-C18-C17	-3.67	116.86	122.82
14	A	1115	CLA	CBA-CAA-C2A	3.67	124.72	113.79
14	A	1140	CLA	C2B-C1B-NB	3.67	114.14	110.33
14	B	1205	CLA	CMB-C2B-C1B	3.67	131.01	125.42
14	H	1205	CLA	CMB-C2B-C1B	3.67	131.01	125.42
14	H	1239	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	a	1116	CLA	CHD-C1D-ND	-3.67	119.64	124.80
14	G	1140	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	U	1502	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	G	1131	CLA	CHD-C1D-ND	-3.67	119.64	124.80
15	H	1238	F6C	C3A-C4A-NA	3.67	113.76	110.13
14	a	1125	CLA	O2A-C1-C2	3.67	122.22	108.11
14	b	1210	CLA	CHD-C1D-ND	-3.67	119.64	124.80
14	B	1204	CLA	O2D-CGD-O1D	-3.67	116.71	123.85
14	G	1125	CLA	OBD-CAD-C3D	-3.67	119.84	128.42
14	A	1110	CLA	CHD-C1D-ND	-3.67	119.64	124.80
14	H	1204	CLA	O2D-CGD-O1D	-3.67	116.71	123.85
18	M	4021	BCR	C36-C18-C17	-3.67	116.88	122.82
13	a	1011	CL0	O2D-CGD-O1D	-3.67	116.71	123.85
15	b	1238	F6C	C3A-C4A-NA	3.67	113.75	110.13
14	a	1125	CLA	OBD-CAD-C3D	-3.67	119.85	128.42
14	B	1228	CLA	C1D-ND-C4D	-3.67	103.74	106.31
14	B	1229	CLA	CHD-C1D-ND	-3.66	119.64	124.80
14	H	1222	CLA	CHD-C1D-ND	-3.66	119.64	124.80
14	H	1203	CLA	C1-C2-C3	-3.66	120.19	126.20
13	A	1011	CL0	O2D-CGD-O1D	-3.66	116.72	123.85
14	H	1216	CLA	CHD-C1D-ND	-3.66	119.65	124.80
14	A	1125	CLA	O2A-C1-C2	3.66	122.21	108.11
14	G	1125	CLA	O2A-C1-C2	3.66	122.21	108.11
14	a	1115	CLA	CBA-CAA-C2A	3.66	124.69	113.79
14	b	1204	CLA	O2D-CGD-O1D	-3.66	116.72	123.85
16	H	2002	PQN	C14-C13-C15	3.66	121.58	115.23
14	G	1012	CLA	C1D-ND-C4D	-3.66	103.74	106.31
15	B	1207	F6C	CMA-C3A-C4A	-3.66	118.28	124.73
14	B	1210	CLA	CHD-C1D-ND	-3.66	119.65	124.80
14	G	1136	CLA	CMA-C3A-C4A	3.66	121.61	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1108	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	G	1110	CLA	CHD-C1D-ND	-3.66	119.65	124.80
18	I	4018	BCR	C33-C5-C6	-3.66	120.49	124.48
14	L	1502	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	A	1125	CLA	OBD-CAD-C3D	-3.66	119.87	128.42
14	A	1132	CLA	CAA-C2A-C3A	-3.66	103.12	113.00
14	H	1212	CLA	C1D-ND-C4D	-3.66	103.75	106.31
14	B	1222	CLA	CAA-CBA-CGA	-3.66	102.83	113.21
15	H	1207	F6C	CMA-C3A-C4A	-3.65	118.29	124.73
14	a	1132	CLA	CAA-C2A-C3A	-3.65	103.12	113.00
18	G	4003	BCR	C7-C8-C9	-3.65	120.83	126.23
13	G	1011	CL0	O2D-CGD-O1D	-3.65	116.74	123.85
14	A	1136	CLA	CMA-C3A-C4A	3.65	121.59	111.77
14	G	1132	CLA	CAA-C2A-C3A	-3.65	103.13	113.00
14	b	1222	CLA	CHD-C1D-ND	-3.65	119.67	124.80
18	V	4021	BCR	C36-C18-C17	-3.65	116.90	122.82
14	B	1239	CLA	O2A-CGA-CBA	3.65	122.96	111.83
14	A	1116	CLA	CHD-C1D-ND	-3.65	119.67	124.80
14	b	1236	CLA	CHD-C1D-ND	-3.65	119.67	124.80
14	G	1131	CLA	C1D-ND-C4D	-3.65	103.75	106.31
14	H	1239	CLA	O2A-CGA-CBA	3.65	122.95	111.83
14	b	1239	CLA	O2A-CGA-CBA	3.65	122.95	111.83
14	b	1229	CLA	CHD-C1D-ND	-3.65	119.67	124.80
14	a	1136	CLA	CMA-C3A-C4A	3.65	121.57	111.77
14	b	1225	CLA	C2B-C1B-NB	3.65	114.11	110.33
14	a	1129	CLA	C1-C2-C3	-3.64	120.87	126.76
14	G	1116	CLA	CHD-C1D-ND	-3.64	119.68	124.80
14	T	1401	CLA	CHD-C1D-ND	-3.64	119.68	124.80
14	b	1222	CLA	CAA-CBA-CGA	-3.64	102.87	113.21
14	G	1138	CLA	O2A-CGA-CBA	3.64	122.94	111.83
14	b	1224	CLA	O2A-C1-C2	3.64	122.11	108.11
14	B	1224	CLA	O2A-C1-C2	3.64	122.11	108.11
15	B	1238	F6C	C3A-C4A-NA	3.64	113.73	110.13
14	a	1137	CLA	C2B-C1B-NB	3.64	114.10	110.33
14	H	1023	CLA	O2A-C1-C2	3.63	122.09	108.11
18	i	4018	BCR	C7-C8-C9	-3.63	120.86	126.23
18	R	4018	BCR	C7-C8-C9	-3.63	120.86	126.23
18	I	4018	BCR	C7-C8-C9	-3.63	120.87	126.23
14	A	1128	CLA	O2A-C1-C2	3.63	122.07	108.11
14	k	1401	CLA	CHD-C1D-ND	-3.63	119.70	124.80
14	a	1128	CLA	O2A-C1-C2	3.63	122.07	108.11
14	H	1224	CLA	O2A-C1-C2	3.63	122.07	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1125	CLA	C1C-C2C-C3C	-3.63	103.17	106.98
15	b	1238	F6C	C4A-C3A-C2A	-3.63	101.59	106.97
14	B	1236	CLA	CHD-C1D-ND	-3.63	119.70	124.80
14	B	1225	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	G	1108	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	a	1108	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	B	1222	CLA	CHD-C1D-ND	-3.63	119.70	124.80
14	G	1129	CLA	C1-C2-C3	-3.63	120.89	126.76
14	B	1023	CLA	O2A-C1-C2	3.63	122.06	108.11
15	B	1238	F6C	C4A-C3A-C2A	-3.63	101.59	106.97
14	K	1401	CLA	CHD-C1D-ND	-3.62	119.70	124.80
14	a	1109	CLA	C2B-C1B-NB	3.62	114.08	110.33
15	H	1238	F6C	C4A-C3A-C2A	-3.62	101.60	106.97
14	H	1224	CLA	C1-O2A-CGA	3.62	125.42	116.65
14	A	1138	CLA	O2A-CGA-CBA	3.62	122.88	111.83
14	b	1023	CLA	O2A-C1-C2	3.62	122.04	108.11
14	B	1224	CLA	C1-O2A-CGA	3.62	125.41	116.65
14	a	1138	CLA	O2A-CGA-CBA	3.62	122.87	111.83
14	H	1226	CLA	C1-O2A-CGA	3.62	125.41	116.65
14	a	1125	CLA	C1C-C2C-C3C	-3.62	103.17	106.98
14	B	1226	CLA	C1-O2A-CGA	3.62	125.41	116.65
14	A	1125	CLA	C1C-C2C-C3C	-3.62	103.18	106.98
14	b	1226	CLA	C1-O2A-CGA	3.62	125.40	116.65
18	i	4018	BCR	C33-C5-C6	-3.62	120.54	124.48
14	H	1236	CLA	CHD-C1D-ND	-3.61	119.72	124.80
14	G	1128	CLA	O2A-C1-C2	3.61	122.02	108.11
18	A	4004	BCR	C3-C4-C5	-3.61	107.61	114.06
14	H	1225	CLA	C2B-C1B-NB	3.61	114.07	110.33
14	A	1129	CLA	C1-C2-C3	-3.61	120.92	126.76
15	H	1237	F6C	C3C-C4C-NC	3.61	114.28	110.32
14	b	1212	CLA	C1D-ND-C4D	-3.61	103.78	106.31
14	G	1109	CLA	C2B-C1B-NB	3.61	114.07	110.33
18	a	4004	BCR	C3-C4-C5	-3.61	107.62	114.06
14	A	1109	CLA	O2A-C1-C2	3.61	121.99	108.11
15	B	1237	F6C	C3C-C4C-NC	3.61	114.27	110.32
14	b	1203	CLA	CHD-C1D-ND	-3.61	119.73	124.80
14	b	1224	CLA	C1-O2A-CGA	3.61	125.38	116.65
14	G	1109	CLA	O2A-C1-C2	3.61	121.98	108.11
18	G	4004	BCR	C3-C4-C5	-3.61	107.63	114.06
14	H	1202	CLA	O2A-CGA-CBA	3.60	122.82	111.83
14	a	1104	CLA	O2A-C1-C2	3.60	121.98	108.11
18	b	4010	BCR	C36-C18-C17	-3.60	116.98	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1104	CLA	O2A-C1-C2	3.60	121.97	108.11
14	l	1503	CLA	O2D-CGD-O1D	-3.60	116.84	123.85
14	B	1202	CLA	O2A-CGA-CBA	3.60	122.82	111.83
14	G	1102	CLA	O2A-CGA-CBA	3.60	122.82	111.83
14	A	1137	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	B	1215	CLA	O2A-CGA-O1A	-3.60	114.62	123.63
14	A	1109	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	a	1109	CLA	O2A-C1-C2	3.60	121.96	108.11
14	A	1119	CLA	CHD-C1D-ND	-3.60	119.74	124.80
14	H	1206	CLA	C3B-C2B-C1B	-3.59	102.93	107.17
14	B	1203	CLA	CHD-C1D-ND	-3.59	119.74	124.80
14	b	1215	CLA	O2A-CGA-O1A	-3.59	114.64	123.63
14	H	1203	CLA	CHD-C1D-ND	-3.59	119.75	124.80
14	G	1106	CLA	CHD-C1D-ND	-3.59	119.75	124.80
14	G	1104	CLA	O2A-C1-C2	3.59	121.93	108.11
14	A	1118	CLA	C2B-C1B-NB	3.59	114.05	110.33
14	U	1503	CLA	O2D-CGD-O1D	-3.59	116.86	123.85
14	b	1202	CLA	O2A-CGA-CBA	3.59	122.78	111.83
14	L	1503	CLA	O2D-CGD-O1D	-3.59	116.86	123.85
14	a	1107	CLA	CHD-C1D-ND	-3.59	119.75	124.80
14	A	1102	CLA	O2A-CGA-CBA	3.59	122.78	111.83
14	a	1119	CLA	CHD-C1D-ND	-3.59	119.75	124.80
14	a	1124	CLA	C1-C2-C3	-3.59	120.32	126.20
14	G	1107	CLA	CHD-C1D-ND	-3.59	119.75	124.80
14	B	1206	CLA	C3B-C2B-C1B	-3.59	102.94	107.17
14	a	1118	CLA	C2B-C1B-NB	3.59	114.05	110.33
18	M	4021	BCR	C33-C5-C6	-3.59	120.57	124.48
14	A	1107	CLA	CHD-C1D-ND	-3.59	119.76	124.80
14	G	1139	CLA	CHD-C1D-ND	-3.59	119.76	124.80
14	a	1123	CLA	CMA-C3A-C4A	3.58	121.41	111.77
14	H	1215	CLA	O2A-CGA-O1A	-3.58	114.66	123.63
14	a	1102	CLA	O2A-CGA-CBA	3.58	122.76	111.83
14	G	1119	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	A	1106	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	G	1137	CLA	C2B-C1B-NB	3.58	114.04	110.33
18	m	4021	BCR	C33-C5-C6	-3.58	120.58	124.48
18	H	4014	BCR	C30-C25-C26	-3.58	117.74	122.64
18	B	4010	BCR	C36-C18-C17	-3.58	117.02	122.82
14	A	1124	CLA	C1-C2-C3	-3.58	120.34	126.20
18	H	4010	BCR	C36-C18-C17	-3.58	117.02	122.82
15	H	1230	F6C	O2D-CGD-O1D	-3.58	116.89	123.85
14	G	1124	CLA	C1-C2-C3	-3.58	120.34	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1220	CLA	CHD-C1D-ND	-3.58	119.77	124.80
14	A	1123	CLA	CMA-C3A-C4A	3.57	121.38	111.77
18	V	4021	BCR	C33-C5-C6	-3.57	120.58	124.48
14	G	1130	CLA	O2A-CGA-CBA	3.57	122.73	111.83
14	G	1123	CLA	CMA-C3A-C4A	3.57	121.38	111.77
14	G	1101	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	G	1118	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	B	1227	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	A	1101	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	a	1101	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	a	1139	CLA	CHD-C1D-ND	-3.57	119.78	124.80
19	G	5001	LHG	O7-C7-C8	3.56	119.19	111.48
14	H	1222	CLA	O2A-C1-C2	3.56	121.82	108.11
18	B	4014	BCR	C30-C25-C26	-3.56	117.77	122.64
21	l	6101	LMT	C3'-C4'-C5'	-3.56	103.03	110.93
14	H	1021	CLA	CAA-CBA-CGA	-3.56	103.09	113.21
14	H	1214	CLA	CHD-C1D-ND	-3.56	119.79	124.80
14	A	1130	CLA	O2A-CGA-CBA	3.56	122.70	111.83
14	a	1107	CLA	O2A-CGA-CBA	3.56	125.25	114.00
14	B	1222	CLA	O2A-C1-C2	3.56	121.81	108.11
14	G	1107	CLA	O2A-CGA-CBA	3.56	125.25	114.00
14	B	1021	CLA	CAA-CBA-CGA	-3.56	103.10	113.21
14	H	1229	CLA	C4-C3-C5	3.56	121.41	115.23
14	a	1130	CLA	O2A-CGA-CBA	3.56	122.69	111.83
14	A	1139	CLA	CHD-C1D-ND	-3.56	119.79	124.80
21	U	6101	LMT	C3'-C4'-C5'	-3.56	103.04	110.93
14	b	1222	CLA	O2A-C1-C2	3.56	121.80	108.11
14	B	1229	CLA	C4-C3-C5	3.56	121.40	115.23
14	H	1227	CLA	C2B-C1B-NB	3.56	114.02	110.33
14	b	1021	CLA	CAA-CBA-CGA	-3.56	103.11	113.21
19	A	5001	LHG	O7-C7-C8	3.56	119.18	111.48
14	b	1229	CLA	C4-C3-C5	3.56	121.40	115.23
14	G	1013	CLA	CHD-C1D-ND	-3.56	119.80	124.80
14	b	1224	CLA	CHD-C1D-ND	-3.56	119.80	124.80
14	H	1204	CLA	O2A-CGA-CBA	3.56	122.67	111.83
15	b	1237	F6C	C3C-C4C-NC	3.55	114.22	110.32
14	b	1204	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	B	1214	CLA	CHD-C1D-ND	-3.55	119.80	124.80
14	A	1107	CLA	O2A-CGA-CBA	3.55	125.23	114.00
19	a	5001	LHG	O7-C7-C8	3.55	119.17	111.48
14	b	1236	CLA	O2A-C1-C2	3.55	121.78	108.11
14	A	1013	CLA	CHD-C1D-ND	-3.55	119.80	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	G	4006	BCR	C3-C4-C5	-3.55	107.72	114.06
14	a	1124	CLA	CMA-C3A-C4A	3.55	121.32	111.77
14	B	1023	CLA	O2D-CGD-CBD	3.55	117.44	111.23
14	B	1232	CLA	CHD-C1D-ND	-3.55	119.80	124.80
18	b	4014	BCR	C30-C25-C26	-3.55	117.78	122.64
21	L	6101	LMT	C3'-C4'-C5'	-3.55	103.06	110.93
14	G	1124	CLA	CMA-C3A-C4A	3.55	121.31	111.77
14	b	1206	CLA	C3B-C2B-C1B	-3.55	102.98	107.17
14	B	1204	CLA	O2A-CGA-CBA	3.55	122.66	111.83
14	B	1220	CLA	C2B-C1B-NB	3.55	114.01	110.33
14	b	1220	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	b	1023	CLA	O2D-CGD-CBD	3.55	117.43	111.23
14	H	1023	CLA	O2D-CGD-CBD	3.55	117.43	111.23
14	B	1220	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	b	1214	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	B	1231	CLA	O2A-C1-C2	3.55	121.76	108.11
14	H	1220	CLA	O2A-CGA-CBA	3.55	122.65	111.83
14	G	1107	CLA	C2B-C1B-NB	3.55	114.00	110.33
14	B	1224	CLA	CHD-C1D-ND	-3.54	119.81	124.80
14	B	1220	CLA	O2A-CGA-CBA	3.54	122.64	111.83
14	B	1236	CLA	O2A-C1-C2	3.54	121.75	108.11
15	B	1230	F6C	O2D-CGD-O1D	-3.54	116.95	123.85
14	b	1223	CLA	O2A-C1-C2	3.54	121.74	108.11
14	b	1231	CLA	O2A-C1-C2	3.54	121.74	108.11
14	H	1236	CLA	O2A-C1-C2	3.54	121.74	108.11
14	H	1231	CLA	O2A-C1-C2	3.54	121.73	108.11
14	a	1106	CLA	CHD-C1D-ND	-3.54	119.82	124.80
14	A	1124	CLA	CMA-C3A-C4A	3.54	121.29	111.77
14	b	1220	CLA	C2B-C1B-NB	3.54	114.00	110.33
15	b	1230	F6C	O2D-CGD-O1D	-3.54	116.96	123.85
14	H	1220	CLA	C2B-C1B-NB	3.54	114.00	110.33
14	b	1220	CLA	O2A-CGA-CBA	3.54	122.62	111.83
15	B	1238	F6C	CMA-C3A-C4A	-3.54	118.50	124.73
15	H	1238	F6C	CMA-C3A-C4A	-3.54	118.50	124.73
14	a	1111	CLA	CHD-C1D-ND	-3.53	119.83	124.80
18	a	4005	BCR	C27-C26-C25	-3.53	117.93	122.70
14	b	1227	CLA	C2B-C1B-NB	3.53	113.99	110.33
14	B	1223	CLA	O2A-C1-C2	3.53	121.70	108.11
14	H	1223	CLA	O2A-C1-C2	3.53	121.70	108.11
14	G	1135	CLA	C1-C2-C3	-3.53	121.05	126.76
14	a	1107	CLA	C2B-C1B-NB	3.53	113.98	110.33
18	A	4005	BCR	C27-C26-C25	-3.53	117.94	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1202	CLA	CHD-C1D-ND	-3.53	119.84	124.80
14	A	1107	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	a	1135	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	a	1013	CLA	O2D-CGD-O1D	-3.53	116.99	123.85
18	A	4006	BCR	C3-C4-C5	-3.52	107.77	114.06
14	A	1013	CLA	O2D-CGD-O1D	-3.52	116.99	123.85
14	a	1013	CLA	CHD-C1D-ND	-3.52	119.84	124.80
14	A	1111	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	G	1111	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	H	1224	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	b	1232	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	A	1135	CLA	C1-C2-C3	-3.52	121.07	126.76
15	b	1238	F6C	CMA-C3A-C4A	-3.52	118.53	124.73
18	a	4006	BCR	C3-C4-C5	-3.52	107.78	114.06
14	H	1232	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	H	1209	CLA	O2D-CGD-O1D	-3.52	117.00	123.85
14	G	1013	CLA	O2D-CGD-O1D	-3.51	117.01	123.85
14	a	1135	CLA	C1-C2-C3	-3.51	121.08	126.76
14	b	1205	CLA	O2D-CGD-O1D	-3.51	117.01	123.85
14	B	1209	CLA	O2D-CGD-O1D	-3.51	117.01	123.85
14	H	1223	CLA	C1-C2-C3	-3.51	120.45	126.20
14	B	1202	CLA	CHD-C1D-ND	-3.51	119.86	124.80
14	a	1135	CLA	C4D-C3D-CAD	3.51	111.92	108.11
14	H	1228	CLA	O2A-C1-C2	3.51	121.61	108.11
14	G	1125	CLA	C2B-C1B-NB	3.51	113.96	110.33
18	G	4005	BCR	C27-C26-C25	-3.51	117.97	122.70
14	A	1125	CLA	C2B-C1B-NB	3.51	113.96	110.33
14	G	1115	CLA	CHD-C1D-ND	-3.50	119.87	124.80
14	b	1227	CLA	O2D-CGD-O1D	-3.50	117.03	123.85
14	a	1125	CLA	C2B-C1B-NB	3.50	113.96	110.33
14	B	1228	CLA	O2A-C1-C2	3.50	121.59	108.11
14	H	1202	CLA	CHD-C1D-ND	-3.50	119.87	124.80
14	B	1227	CLA	O2D-CGD-O1D	-3.50	117.03	123.85
14	b	1209	CLA	O2D-CGD-O1D	-3.50	117.03	123.85
14	A	1135	CLA	C2B-C1B-NB	3.50	113.96	110.33
18	G	4002	BCR	C3-C4-C5	-3.50	107.81	114.06
14	a	1109	CLA	O2D-CGD-O1D	-3.50	117.03	123.85
18	H	4006	BCR	C24-C23-C22	-3.50	121.06	126.23
14	a	1129	CLA	O2A-C1-C2	3.50	121.57	108.11
14	B	1201	CLA	CMC-C2C-C1C	3.50	130.50	125.03
14	H	1201	CLA	CMC-C2C-C1C	3.50	130.50	125.03
14	A	1129	CLA	O2A-C1-C2	3.50	121.56	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1129	CLA	O2A-C1-C2	3.50	121.56	108.11
14	a	1124	CLA	O2A-C1-C2	3.50	121.56	108.11
14	A	1141	CLA	CHD-C1D-ND	-3.50	119.88	124.80
14	B	1223	CLA	C1-C2-C3	-3.50	120.47	126.20
13	G	1011	CL0	CMA-C3A-C2A	-3.49	100.47	113.98
14	G	1135	CLA	C2B-C1B-NB	3.49	113.95	110.33
14	G	1124	CLA	O2A-C1-C2	3.49	121.55	108.11
13	a	1011	CL0	CMA-C3A-C2A	-3.49	100.47	113.98
18	b	4006	BCR	C24-C23-C22	-3.49	121.07	126.23
14	b	1228	CLA	O2A-C1-C2	3.49	121.55	108.11
14	B	1203	CLA	C2B-C1B-NB	3.49	113.95	110.33
14	H	1205	CLA	O2D-CGD-O1D	-3.49	117.05	123.85
14	A	1109	CLA	O2D-CGD-O1D	-3.49	117.05	123.85
14	G	1104	CLA	C2B-C1B-NB	3.49	113.95	110.33
14	A	1124	CLA	O2A-C1-C2	3.49	121.54	108.11
15	H	1238	F6C	CHA-C4D-ND	3.49	136.39	133.05
14	G	1112	CLA	CHD-C1D-ND	-3.49	119.89	124.80
14	B	1205	CLA	O2D-CGD-O1D	-3.49	117.06	123.85
14	b	1201	CLA	O2D-CGD-O1D	-3.49	117.06	123.85
14	H	1023	CLA	C4C-C3C-C2C	-3.49	101.81	106.89
14	G	1109	CLA	O2D-CGD-O1D	-3.49	117.06	123.85
14	A	1135	CLA	C4D-C3D-CAD	3.49	111.89	108.11
14	H	1203	CLA	C2B-C1B-NB	3.49	113.94	110.33
14	G	1135	CLA	C4D-C3D-CAD	3.49	111.89	108.11
14	b	1208	CLA	C1-O2A-CGA	3.49	125.09	116.65
14	a	1128	CLA	CHD-C1D-ND	-3.49	119.90	124.80
14	B	1023	CLA	C4C-C3C-C2C	-3.49	101.82	106.89
14	a	1124	CLA	O2A-CGA-CBA	3.49	122.46	111.83
14	A	1115	CLA	CHD-C1D-ND	-3.48	119.90	124.80
13	A	1011	CL0	CMA-C3A-C2A	-3.48	100.51	113.98
18	A	4002	BCR	C3-C4-C5	-3.48	107.84	114.06
18	B	4006	BCR	C24-C23-C22	-3.48	121.08	126.23
14	A	1112	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	A	1134	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	b	1223	CLA	C1-C2-C3	-3.48	120.49	126.20
14	A	1124	CLA	O2A-CGA-CBA	3.48	122.45	111.83
14	b	1226	CLA	C2B-C1B-NB	3.48	113.94	110.33
18	a	4002	BCR	C3-C4-C5	-3.48	107.84	114.06
14	G	1118	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	b	1022	CLA	C4-C3-C5	3.48	121.27	115.23
20	H	5002	LMG	O7-C10-C11	3.48	119.01	111.48
14	B	1201	CLA	O2D-CGD-O1D	-3.48	117.07	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1122	CLA	CAC-C3C-C4C	3.48	129.32	124.79
14	a	1122	CLA	CAC-C3C-C4C	3.48	129.32	124.79
14	G	1124	CLA	O2A-CGA-CBA	3.48	122.45	111.83
14	A	1012	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	H	1227	CLA	O2D-CGD-O1D	-3.48	117.07	123.85
14	b	1201	CLA	CMC-C2C-C1C	3.48	130.47	125.03
15	b	1230	F6C	CMA-C3A-C4A	-3.48	118.60	124.73
14	B	1208	CLA	C1-O2A-CGA	3.48	125.07	116.65
14	B	1022	CLA	C4-C3-C5	3.48	121.27	115.23
14	H	1208	CLA	C1-O2A-CGA	3.48	125.07	116.65
14	a	1104	CLA	C2B-C1B-NB	3.48	113.93	110.33
14	A	1128	CLA	CHD-C1D-ND	-3.48	119.91	124.80
14	a	1141	CLA	CHD-C1D-ND	-3.48	119.91	124.80
14	H	1201	CLA	O2D-CGD-O1D	-3.48	117.08	123.85
14	A	1124	CLA	CHD-C1D-ND	-3.48	119.91	124.80
14	A	1117	CLA	O2A-CGA-CBA	3.48	122.43	111.83
14	a	1141	CLA	O2D-CGD-O1D	-3.48	117.08	123.85
14	G	1122	CLA	CAC-C3C-C4C	3.48	129.31	124.79
18	a	4002	BCR	C34-C9-C10	-3.48	117.19	122.82
14	G	1128	CLA	CHD-C1D-ND	-3.47	119.91	124.80
14	G	1117	CLA	O2A-CGA-CBA	3.47	122.43	111.83
14	G	1141	CLA	CHD-C1D-ND	-3.47	119.91	124.80
21	l	6002	LMT	C3'-C4'-C5'	-3.47	103.23	110.93
14	a	1117	CLA	O2A-CGA-CBA	3.47	122.43	111.83
18	A	4002	BCR	C34-C9-C10	-3.47	117.19	122.82
20	b	5002	LMG	O7-C10-C11	3.47	118.99	111.48
14	B	1226	CLA	C2B-C1B-NB	3.47	113.93	110.33
14	b	1203	CLA	C2B-C1B-NB	3.47	113.93	110.33
14	H	1220	CLA	O2D-CGD-O1D	-3.47	117.09	123.85
14	G	1133	CLA	CHD-C1D-ND	-3.47	119.92	124.80
18	G	4002	BCR	C34-C9-C10	-3.47	117.19	122.82
14	b	1233	CLA	O2A-CGA-CBA	3.47	124.96	114.00
15	B	1238	F6C	O2A-CGA-CBA	3.47	122.41	111.83
14	a	1112	CLA	CHD-C1D-ND	-3.47	119.92	124.80
14	H	1233	CLA	O2A-CGA-CBA	3.47	124.95	114.00
15	B	1230	F6C	CMA-C3A-C4A	-3.47	118.62	124.73
14	H	1214	CLA	C2B-C1B-NB	3.47	113.92	110.33
15	b	1238	F6C	O2A-CGA-CBA	3.47	122.40	111.83
14	B	1220	CLA	O2D-CGD-O1D	-3.47	117.10	123.85
14	a	1140	CLA	O2A-C1-C2	3.47	121.44	108.11
14	H	1226	CLA	C2B-C1B-NB	3.46	113.92	110.33
14	G	1137	CLA	O2D-CGD-O1D	-3.46	117.10	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1137	CLA	O2D-CGD-O1D	-3.46	117.10	123.85
14	H	1022	CLA	C4-C3-C5	3.46	121.24	115.23
15	H	1230	F6C	CMA-C3A-C4A	-3.46	118.63	124.73
14	a	1135	CLA	CHD-C1D-ND	-3.46	119.93	124.80
15	H	1207	F6C	C4-C3-C2	-3.46	114.73	123.63
21	L	6002	LMT	C3'-C4'-C5'	-3.46	103.25	110.93
14	G	1124	CLA	CHD-C1D-ND	-3.46	119.93	124.80
14	G	1141	CLA	O2D-CGD-O1D	-3.46	117.11	123.85
18	a	4005	BCR	C33-C5-C6	-3.46	120.71	124.48
14	B	1233	CLA	O2A-CGA-CBA	3.46	124.93	114.00
14	A	1141	CLA	O2D-CGD-O1D	-3.46	117.11	123.85
14	a	1134	CLA	CHD-C1D-ND	-3.46	119.93	124.80
14	b	1023	CLA	C4C-C3C-C2C	-3.46	101.86	106.89
14	G	1140	CLA	O2A-C1-C2	3.46	121.42	108.11
20	B	5002	LMG	O7-C10-C11	3.46	118.96	111.48
15	H	1238	F6C	O2A-CGA-CBA	3.46	122.38	111.83
14	A	1140	CLA	O2A-C1-C2	3.46	121.42	108.11
14	H	1233	CLA	C2B-C1B-NB	3.46	113.91	110.33
15	H	1237	F6C	C4A-C3A-C2A	-3.46	101.84	106.97
14	a	1136	CLA	O2A-C1-C2	3.46	121.41	108.11
14	A	1104	CLA	C2B-C1B-NB	3.46	113.91	110.33
18	U	4019	BCR	C28-C27-C26	-3.46	107.89	114.06
14	B	1235	CLA	O2A-CGA-CBA	3.46	122.37	111.83
14	H	1205	CLA	C3C-C4C-NC	3.46	114.86	110.43
14	a	1115	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	a	1123	CLA	C2B-C1B-NB	3.45	113.91	110.33
21	U	6002	LMT	C3'-C4'-C5'	-3.45	103.28	110.93
14	G	1134	CLA	CHD-C1D-ND	-3.45	119.94	124.80
14	A	1127	CLA	C2B-C1B-NB	3.45	113.91	110.33
15	B	1237	F6C	C4A-C3A-C2A	-3.45	101.85	106.97
14	b	1220	CLA	O2D-CGD-O1D	-3.45	117.13	123.85
15	b	1207	F6C	C4-C3-C2	-3.45	114.77	123.63
14	A	1137	CLA	O2D-CGD-O1D	-3.45	117.13	123.85
14	a	1012	CLA	C2B-C1B-NB	3.45	113.90	110.33
14	A	1118	CLA	CHD-C1D-ND	-3.45	119.95	124.80
14	B	1205	CLA	C3C-C4C-NC	3.45	114.85	110.43
14	G	1012	CLA	C2B-C1B-NB	3.45	113.90	110.33
14	b	1214	CLA	C2B-C1B-NB	3.45	113.90	110.33
14	G	1125	CLA	O2D-CGD-O1D	-3.45	117.14	123.85
14	A	1136	CLA	O2A-C1-C2	3.45	121.37	108.11
14	H	1235	CLA	O2A-CGA-CBA	3.44	122.34	111.83
15	B	1207	F6C	C4-C3-C2	-3.44	114.78	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1205	CLA	O2A-C1-C2	3.44	121.36	108.11
14	L	1503	CLA	C1-C2-C3	-3.44	120.56	126.20
14	b	1225	CLA	C1-C2-C3	-3.44	120.56	126.20
14	b	1211	CLA	O2A-CGA-CBA	3.44	122.33	111.83
14	b	1235	CLA	O2A-CGA-CBA	3.44	122.33	111.83
14	B	1205	CLA	O2A-C1-C2	3.44	121.36	108.11
14	b	1202	CLA	C1-O2A-CGA	3.44	124.98	116.65
14	H	1225	CLA	C1-C2-C3	-3.44	120.56	126.20
14	a	1127	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	B	1202	CLA	C1-O2A-CGA	3.44	124.98	116.65
14	H	1205	CLA	O2A-C1-C2	3.44	121.35	108.11
14	G	1132	CLA	O2A-C1-C2	3.44	121.34	108.11
15	b	1237	F6C	C4A-C3A-C2A	-3.44	101.87	106.97
14	B	1226	CLA	C3B-C2B-C1B	-3.44	103.12	107.17
18	G	4005	BCR	C33-C5-C6	-3.44	120.73	124.48
14	G	1136	CLA	O2A-C1-C2	3.44	121.34	108.11
18	L	4019	BCR	C28-C27-C26	-3.44	107.93	114.06
14	H	1211	CLA	O2A-CGA-CBA	3.44	122.32	111.83
14	H	1202	CLA	C1-O2A-CGA	3.44	124.97	116.65
14	B	1233	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	A	1132	CLA	O2A-C1-C2	3.44	121.33	108.11
14	A	1113	CLA	CHD-C1D-ND	-3.44	119.97	124.80
14	A	1135	CLA	CHD-C1D-ND	-3.44	119.97	124.80
14	a	1124	CLA	CHD-C1D-ND	-3.44	119.97	124.80
14	B	1211	CLA	O2A-CGA-CBA	3.44	122.31	111.83
14	G	1125	CLA	C3C-C4C-NC	3.44	114.83	110.43
18	G	4003	BCR	C28-C27-C26	-3.44	107.93	114.06
14	U	1503	CLA	C1-C2-C3	-3.43	120.57	126.20
18	l	4019	BCR	C28-C27-C26	-3.43	107.94	114.06
14	a	1113	CLA	CHD-C1D-ND	-3.43	119.97	124.80
14	a	1126	CLA	C1D-ND-C4D	-3.43	103.90	106.31
14	A	1123	CLA	C2B-C1B-NB	3.43	113.88	110.33
14	G	1128	CLA	O2D-CGD-O1D	-3.43	117.17	123.85
14	G	1116	CLA	C1-C2-C3	-3.43	120.58	126.20
14	B	1214	CLA	C1D-ND-C4D	-3.43	103.91	106.31
14	B	1225	CLA	C1-C2-C3	-3.43	120.58	126.20
14	a	1132	CLA	O2A-C1-C2	3.43	121.30	108.11
18	A	4003	BCR	C28-C27-C26	-3.43	107.94	114.06
14	G	1104	CLA	C1-C2-C3	-3.43	120.58	126.20
14	b	1239	CLA	CHD-C1D-ND	-3.43	119.98	124.80
14	A	1128	CLA	O2D-CGD-O1D	-3.43	117.18	123.85
14	A	1133	CLA	CHD-C1D-ND	-3.43	119.98	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1236	CLA	C2B-C1B-NB	3.43	113.88	110.33
14	l	1503	CLA	C1-C2-C3	-3.43	120.58	126.20
14	G	1135	CLA	CHD-C1D-ND	-3.43	119.98	124.80
14	B	1214	CLA	C2B-C1B-NB	3.42	113.88	110.33
14	B	1236	CLA	C2B-C1B-NB	3.42	113.88	110.33
14	G	1127	CLA	C2B-C1B-NB	3.42	113.88	110.33
14	G	1113	CLA	CHD-C1D-ND	-3.42	119.98	124.80
14	B	1022	CLA	C3C-C4C-NC	3.42	114.81	110.43
18	A	4005	BCR	C33-C5-C6	-3.42	120.75	124.48
14	A	1116	CLA	C1-C2-C3	-3.42	120.59	126.20
14	H	1022	CLA	C3C-C4C-NC	3.42	114.81	110.43
14	b	1205	CLA	C3C-C4C-NC	3.42	114.81	110.43
14	A	1125	CLA	C3C-C4C-NC	3.42	114.81	110.43
14	A	1126	CLA	C1D-ND-C4D	-3.42	103.92	106.31
14	G	1123	CLA	C2B-C1B-NB	3.42	113.87	110.33
14	A	1125	CLA	O2D-CGD-O1D	-3.42	117.20	123.85
13	a	1011	CL0	CAA-C2A-C3A	-3.41	103.77	113.00
14	G	1126	CLA	C1D-ND-C4D	-3.41	103.92	106.31
14	B	1239	CLA	CHD-C1D-ND	-3.41	120.00	124.80
18	H	4006	BCR	C3-C4-C5	-3.41	107.97	114.06
14	V	1501	CLA	O2A-C1-C2	3.41	121.25	108.11
14	a	1125	CLA	O2D-CGD-O1D	-3.41	117.20	123.85
14	H	1239	CLA	CHD-C1D-ND	-3.41	120.00	124.80
15	b	1238	F6C	CHA-C4D-ND	3.41	136.31	133.05
13	G	1011	CL0	CAA-C2A-C3A	-3.41	103.78	113.00
14	A	1112	CLA	O2A-C1-C2	3.41	121.24	108.11
14	b	1022	CLA	C3C-C4C-NC	3.41	114.80	110.43
14	a	1112	CLA	O2A-C1-C2	3.41	121.23	108.11
14	a	1118	CLA	CHD-C1D-ND	-3.41	120.00	124.80
13	A	1011	CL0	CAA-C2A-C3A	-3.41	103.78	113.00
14	b	1214	CLA	C1D-ND-C4D	-3.41	103.92	106.31
14	b	1233	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	G	1112	CLA	O2A-C1-C2	3.41	121.22	108.11
14	a	1123	CLA	O2D-CGD-O1D	-3.41	117.22	123.85
14	b	1209	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	M	1501	CLA	O2A-C1-C2	3.41	121.21	108.11
15	B	1238	F6C	CHA-C4D-ND	3.40	136.31	133.05
18	a	4003	BCR	C28-C27-C26	-3.40	107.99	114.06
14	a	1133	CLA	CHD-C1D-ND	-3.40	120.01	124.80
18	b	4006	BCR	C3-C4-C5	-3.40	107.99	114.06
14	a	1125	CLA	C3C-C4C-NC	3.40	114.79	110.43
14	m	1501	CLA	O2A-C1-C2	3.40	121.20	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1114	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	a	1104	CLA	C1-C2-C3	-3.40	120.62	126.20
14	a	1116	CLA	C1-C2-C3	-3.40	120.62	126.20
14	G	1118	CLA	C4-C3-C5	3.40	121.13	115.23
14	a	1128	CLA	O2D-CGD-O1D	-3.40	117.23	123.85
14	b	1226	CLA	C3B-C2B-C1B	-3.40	103.16	107.17
18	B	4006	BCR	C3-C4-C5	-3.40	107.99	114.06
14	H	1226	CLA	C3B-C2B-C1B	-3.40	103.16	107.17
14	H	1209	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	G	1125	CLA	C1-C2-C3	-3.40	120.63	126.20
18	b	4010	BCR	C24-C23-C22	-3.39	121.22	126.23
14	b	1233	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	G	1114	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	A	1114	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	G	1114	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	A	1104	CLA	C1-C2-C3	-3.39	120.64	126.20
14	a	1114	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	a	1118	CLA	C4-C3-C5	3.39	121.11	115.23
18	b	4009	BCR	C15-C14-C13	-3.39	122.52	127.28
14	b	1239	CLA	C1D-ND-C4D	-3.39	103.93	106.31
14	G	1113	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	A	1118	CLA	C4-C3-C5	3.39	121.11	115.23
14	a	1113	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	H	1214	CLA	C1D-ND-C4D	-3.39	103.94	106.31
14	G	1115	CLA	OBD-CAD-C3D	-3.39	120.50	128.42
14	a	1138	CLA	CMC-C2C-C1C	3.38	130.32	125.03
14	A	1115	CLA	OBD-CAD-C3D	-3.38	120.51	128.42
14	H	1212	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	H	1209	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	A	1123	CLA	O2D-CGD-O1D	-3.38	117.27	123.85
14	b	1239	CLA	O2A-C1-C2	3.38	121.12	108.11
14	G	1123	CLA	O2D-CGD-O1D	-3.38	117.27	123.85
14	a	1125	CLA	C1-C2-C3	-3.38	120.66	126.20
14	b	1236	CLA	C2B-C1B-NB	3.38	113.83	110.33
18	H	4010	BCR	C24-C23-C22	-3.38	121.24	126.23
14	B	1209	CLA	CHD-C1D-ND	-3.38	120.05	124.80
14	B	1239	CLA	O2A-C1-C2	3.37	121.09	108.11
14	B	1209	CLA	C2B-C1B-NB	3.37	113.83	110.33
18	B	4010	BCR	C24-C23-C22	-3.37	121.24	126.23
14	b	1234	CLA	O2A-C1-C2	3.37	121.09	108.11
14	H	1233	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	A	1138	CLA	CMC-C2C-C1C	3.37	130.30	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1135	CLA	CAC-C3C-C4C	3.37	129.17	124.79
14	H	1239	CLA	O2A-C1-C2	3.37	121.07	108.11
14	A	1114	CLA	C2B-C1B-NB	3.37	113.82	110.33
14	b	1209	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	A	1125	CLA	C1-C2-C3	-3.37	120.68	126.20
14	G	1105	CLA	O2A-CGA-CBA	3.37	124.64	114.00
14	b	1206	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	a	1119	CLA	C1-C2-C3	-3.37	120.68	126.20
14	B	1212	CLA	CHD-C1D-ND	-3.37	120.07	124.80
14	B	1233	CLA	CHD-C1D-ND	-3.37	120.07	124.80
14	H	1231	CLA	CMC-C2C-C1C	3.37	130.29	125.03
14	a	1115	CLA	OBD-CAD-C3D	-3.36	120.56	128.42
14	a	1105	CLA	O2A-CGA-CBA	3.36	124.63	114.00
14	b	1220	CLA	O2A-C1-C2	3.36	121.05	108.11
14	A	1105	CLA	O2A-CGA-CBA	3.36	124.62	114.00
14	B	1234	CLA	O2A-C1-C2	3.36	121.04	108.11
14	A	1119	CLA	C1-C2-C3	-3.36	120.69	126.20
15	H	1219	F6C	C4A-NA-C1A	3.36	108.67	106.31
14	A	1135	CLA	CAC-C3C-C4C	3.36	129.16	124.79
14	H	1234	CLA	O2A-C1-C2	3.36	121.04	108.11
14	G	1119	CLA	C1-C2-C3	-3.36	120.69	126.20
14	B	1211	CLA	O2A-C1-C2	3.36	121.03	108.11
14	B	1220	CLA	O2A-C1-C2	3.36	121.03	108.11
14	B	1239	CLA	C1D-ND-C4D	-3.36	103.96	106.31
14	H	1211	CLA	O2A-C1-C2	3.36	121.02	108.11
14	b	1211	CLA	O2A-C1-C2	3.36	121.02	108.11
18	B	4009	BCR	C15-C14-C13	-3.35	122.57	127.28
14	H	1231	CLA	O2A-CGA-CBA	3.35	122.06	111.83
14	H	1220	CLA	O2A-C1-C2	3.35	121.01	108.11
15	H	1237	F6C	O2D-CGD-O1D	-3.35	117.32	123.85
14	b	1231	CLA	CMC-C2C-C1C	3.35	130.27	125.03
14	H	1239	CLA	C1D-ND-C4D	-3.35	103.96	106.31
14	G	1138	CLA	CMC-C2C-C1C	3.35	130.27	125.03
14	G	1135	CLA	CAC-C3C-C4C	3.35	129.15	124.79
18	H	4004	BCR	C15-C14-C13	-3.35	122.58	127.28
15	B	1237	F6C	O2D-CGD-O1D	-3.35	117.33	123.85
14	b	1212	CLA	CHD-C1D-ND	-3.35	120.09	124.80
14	B	1231	CLA	O2A-CGA-CBA	3.35	122.04	111.83
18	A	4006	BCR	C34-C9-C10	-3.35	117.39	122.82
14	A	1113	CLA	C2B-C1B-NB	3.35	113.80	110.33
14	B	1206	CLA	CHD-C1D-ND	-3.34	120.09	124.80
14	k	1401	CLA	CAC-C3C-C4C	3.34	129.14	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1231	CLA	O2A-CGA-CBA	3.34	122.03	111.83
14	K	1401	CLA	CAC-C3C-C4C	3.34	129.14	124.79
18	G	4006	BCR	C34-C9-C10	-3.34	117.41	122.82
14	H	1235	CLA	C1-O2A-CGA	3.34	124.73	116.65
14	T	1401	CLA	CAC-C3C-C4C	3.34	129.13	124.79
18	B	4004	BCR	C15-C14-C13	-3.34	122.60	127.28
14	b	1021	CLA	C4-C3-C5	3.34	121.02	115.23
15	b	1237	F6C	O2D-CGD-O1D	-3.34	117.35	123.85
14	B	1231	CLA	CMC-C2C-C1C	3.34	130.25	125.03
14	G	1127	CLA	O2A-C1-C2	3.34	120.94	108.11
14	B	1235	CLA	C1-O2A-CGA	3.34	124.72	116.65
15	B	1207	F6C	CHB-C4A-C3A	-3.34	118.55	125.49
15	b	1207	F6C	CHB-C4A-C3A	-3.33	118.55	125.49
14	H	1206	CLA	CHD-C1D-ND	-3.33	120.11	124.80
14	a	1127	CLA	O2A-C1-C2	3.33	120.92	108.11
18	H	4009	BCR	C15-C14-C13	-3.33	122.61	127.28
18	U	4019	BCR	C7-C8-C9	-3.33	121.31	126.23
14	A	1127	CLA	O2A-C1-C2	3.33	120.92	108.11
14	G	1128	CLA	C1D-ND-C4D	-3.33	103.98	106.31
15	B	1219	F6C	C4A-NA-C1A	3.32	108.64	106.31
14	b	1235	CLA	C1-O2A-CGA	3.32	124.69	116.65
15	H	1207	F6C	CHB-C4A-C3A	-3.32	118.58	125.49
18	a	4006	BCR	C34-C9-C10	-3.32	117.43	122.82
14	H	1022	CLA	OBD-CAD-C3D	-3.32	120.66	128.42
14	b	1213	CLA	CAA-C2A-C3A	-3.32	104.03	113.00
14	b	1210	CLA	C6-C5-C3	-3.32	105.39	113.47
14	T	1401	CLA	C2B-C1B-NB	3.32	113.77	110.33
15	b	1219	F6C	C4A-NA-C1A	3.32	108.64	106.31
14	B	1216	CLA	C4A-NA-C1A	3.31	108.19	106.68
18	b	4004	BCR	C15-C14-C13	-3.31	122.63	127.28
14	B	1021	CLA	C4-C3-C5	3.31	120.98	115.23
14	b	1022	CLA	OBD-CAD-C3D	-3.31	120.67	128.42
13	a	1011	CL0	C1-C2-C3	-3.31	120.77	126.20
14	b	1211	CLA	CHD-C1D-ND	-3.31	120.14	124.80
18	l	4019	BCR	C7-C8-C9	-3.31	121.34	126.23
14	H	1213	CLA	CAA-C2A-C3A	-3.31	104.05	113.00
14	K	1401	CLA	C2B-C1B-NB	3.31	113.76	110.33
14	B	1210	CLA	C6-C5-C3	-3.31	105.41	113.47
14	B	1213	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
14	G	1136	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
14	B	1221	CLA	CMA-C3A-C2A	3.31	126.77	113.98
14	B	1022	CLA	OBD-CAD-C3D	-3.31	120.69	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1122	CLA	O2A-C1-C2	3.31	120.83	108.11
14	H	1221	CLA	CMA-C3A-C2A	3.30	126.76	113.98
14	G	1111	CLA	CAC-C3C-C4C	3.30	129.09	124.79
14	H	1210	CLA	C6-C5-C3	-3.30	105.42	113.47
18	L	4019	BCR	C7-C8-C9	-3.30	121.35	126.23
14	A	1136	CLA	O2D-CGD-O1D	-3.30	117.42	123.85
14	H	1021	CLA	C4-C3-C5	3.30	120.96	115.23
14	b	1221	CLA	CMA-C3A-C2A	3.30	126.74	113.98
14	B	1211	CLA	CHD-C1D-ND	-3.30	120.16	124.80
14	A	1122	CLA	O2A-C1-C2	3.30	120.80	108.11
14	B	1217	CLA	C2B-C1B-NB	3.30	113.74	110.33
14	H	1211	CLA	CHD-C1D-ND	-3.30	120.16	124.80
14	a	1122	CLA	O2A-C1-C2	3.30	120.79	108.11
14	b	1023	CLA	C4-C3-C5	3.29	120.95	115.23
15	b	1219	F6C	C1-C2-C3	-3.29	120.80	126.20
18	H	4006	BCR	C38-C26-C25	-3.29	120.89	124.48
14	a	1135	CLA	CMD-C2D-C3D	-3.29	120.14	127.69
13	A	1011	CL0	C1-C2-C3	-3.29	120.80	126.20
14	G	1120	CLA	O2A-CGA-CBA	3.29	124.40	114.00
14	a	1114	CLA	O2A-CGA-CBA	3.29	124.40	114.00
13	G	1011	CL0	C1-C2-C3	-3.29	120.81	126.20
15	B	1219	F6C	C1-C2-C3	-3.29	120.81	126.20
15	B	1219	F6C	O2A-C1-C2	3.29	120.76	108.11
15	H	1219	F6C	C1-C2-C3	-3.29	120.81	126.20
14	A	1114	CLA	O2A-CGA-CBA	3.29	124.39	114.00
14	H	1205	CLA	CHD-C1D-ND	-3.29	120.18	124.80
14	A	1120	CLA	O2A-CGA-CBA	3.29	124.38	114.00
14	H	1217	CLA	C2B-C1B-NB	3.29	113.73	110.33
15	b	1219	F6C	O2A-C1-C2	3.28	120.75	108.11
14	a	1136	CLA	O2D-CGD-O1D	-3.28	117.46	123.85
14	A	1135	CLA	CMD-C2D-C3D	-3.28	120.16	127.69
14	G	1114	CLA	O2A-CGA-CBA	3.28	124.37	114.00
15	H	1219	F6C	O2A-C1-C2	3.28	120.73	108.11
14	k	1401	CLA	C2B-C1B-NB	3.28	113.73	110.33
14	B	1023	CLA	C4-C3-C5	3.28	120.92	115.23
14	a	1140	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	A	1140	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	B	1206	CLA	O2A-C1-C2	3.28	120.72	108.11
14	a	1120	CLA	O2A-CGA-CBA	3.28	124.36	114.00
18	H	4009	BCR	C33-C5-C6	-3.28	120.91	124.48
14	b	1205	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	b	1206	CLA	O2A-C1-C2	3.28	120.71	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1236	CLA	O2D-CGD-O1D	-3.28	117.47	123.85
14	B	1205	CLA	CHD-C1D-ND	-3.27	120.19	124.80
14	b	1217	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	B	1236	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
14	G	1135	CLA	CMD-C2D-C3D	-3.27	120.19	127.69
14	b	1236	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
14	H	1206	CLA	O2A-C1-C2	3.27	120.70	108.11
14	b	1216	CLA	C4A-NA-C1A	3.27	108.17	106.68
14	H	1023	CLA	C4-C3-C5	3.27	120.90	115.23
14	G	1101	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
14	G	1140	CLA	CHD-C1D-ND	-3.27	120.21	124.80
14	A	1101	CLA	O2D-CGD-O1D	-3.27	117.49	123.85
14	A	1111	CLA	CAC-C3C-C4C	3.27	129.04	124.79
14	a	1111	CLA	CAC-C3C-C4C	3.27	129.04	124.79
14	a	1101	CLA	O2D-CGD-O1D	-3.26	117.49	123.85
14	a	1139	CLA	O2A-CGA-CBA	3.26	124.31	114.00
18	B	4009	BCR	C33-C5-C6	-3.26	120.92	124.48
14	a	1140	CLA	O2D-CGD-O1D	-3.26	117.50	123.85
14	G	1139	CLA	O2A-CGA-CBA	3.26	124.30	114.00
14	a	1115	CLA	C4-C3-C5	3.26	120.89	115.23
14	A	1139	CLA	O2A-CGA-CBA	3.26	124.30	114.00
14	A	1140	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
14	a	1116	CLA	C4-C3-C5	3.25	120.87	115.23
14	A	1128	CLA	C1D-ND-C4D	-3.25	104.03	106.31
14	a	1116	CLA	O2A-C1-C2	3.25	120.62	108.11
14	A	1116	CLA	O2A-C1-C2	3.25	120.61	108.11
14	G	1116	CLA	O2A-C1-C2	3.25	120.61	108.11
18	B	4006	BCR	C38-C26-C25	-3.25	120.94	124.48
14	A	1106	CLA	O2D-CGD-O1D	-3.25	117.53	123.85
14	G	1135	CLA	O2A-C1-C2	3.25	120.60	108.11
18	H	4009	BCR	C3-C4-C5	-3.25	108.27	114.06
14	G	1140	CLA	O2D-CGD-O1D	-3.24	117.53	123.85
15	H	1237	F6C	C3A-C4A-NA	3.24	113.33	110.13
14	A	1115	CLA	O2A-C1-C2	3.24	120.58	108.11
14	A	1135	CLA	O2A-C1-C2	3.24	120.58	108.11
14	L	1502	CLA	O2A-CGA-CBA	3.24	121.71	111.83
14	a	1106	CLA	O2D-CGD-O1D	-3.24	117.54	123.85
14	a	1128	CLA	C1D-ND-C4D	-3.24	104.04	106.31
15	b	1230	F6C	C4A-NA-C1A	3.24	108.58	106.31
14	G	1115	CLA	O2A-C1-C2	3.24	120.57	108.11
14	a	1135	CLA	O2A-C1-C2	3.24	120.57	108.11
14	l	1502	CLA	O2A-CGA-CBA	3.24	121.71	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	4005	BCR	C15-C14-C13	-3.24	122.74	127.28
14	G	1117	CLA	CHD-C1D-ND	-3.24	120.25	124.80
14	a	1115	CLA	O2A-C1-C2	3.24	120.56	108.11
14	G	1106	CLA	O2D-CGD-O1D	-3.24	117.55	123.85
14	A	1116	CLA	C4-C3-C5	3.24	120.85	115.23
14	A	1115	CLA	C4-C3-C5	3.24	120.84	115.23
18	B	4009	BCR	C3-C4-C5	-3.23	108.29	114.06
14	a	1013	CLA	CMB-C2B-C3B	3.23	134.16	126.55
14	U	1502	CLA	O2A-CGA-CBA	3.23	121.69	111.83
14	H	1221	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
14	G	1116	CLA	C4-C3-C5	3.23	120.84	115.23
18	b	4009	BCR	C33-C5-C6	-3.23	120.96	124.48
14	H	1229	CLA	CAA-C2A-C3A	-3.23	104.27	113.00
14	L	1501	CLA	CHD-C1D-ND	-3.23	120.26	124.80
14	T	1401	CLA	O2A-CGA-CBA	3.23	124.19	114.00
14	A	1013	CLA	CMB-C2B-C3B	3.23	134.14	126.55
18	G	4005	BCR	C15-C14-C13	-3.22	122.76	127.28
14	H	1224	CLA	O1D-CGD-CBD	-3.22	118.16	124.52
14	b	1022	CLA	C4-C3-C2	-3.22	115.35	123.63
18	b	4006	BCR	C38-C26-C25	-3.22	120.97	124.48
14	a	1110	CLA	O2A-CGA-CBA	3.22	124.18	114.00
14	B	1229	CLA	CAA-C2A-C3A	-3.22	104.29	113.00
14	a	1117	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	l	1501	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	G	1115	CLA	C4-C3-C5	3.22	120.82	115.23
18	G	4006	BCR	C30-C25-C24	3.22	124.38	115.65
14	B	1022	CLA	C4-C3-C2	-3.22	115.36	123.63
14	B	1212	CLA	CMA-C3A-C4A	3.22	120.42	111.77
15	B	1237	F6C	C3A-C4A-NA	3.22	113.31	110.13
18	U	4019	BCR	C34-C9-C8	3.22	123.00	118.09
14	b	1212	CLA	CMA-C3A-C4A	3.22	120.42	111.77
18	l	4019	BCR	C34-C9-C8	3.22	123.00	118.09
14	A	1110	CLA	O2A-CGA-CBA	3.22	124.16	114.00
14	H	1212	CLA	CMA-C3A-C4A	3.22	120.41	111.77
14	a	1109	CLA	C4-C3-C5	3.21	120.81	115.23
14	G	1013	CLA	CMB-C2B-C3B	3.21	134.11	126.55
14	A	1109	CLA	C4-C3-C5	3.21	120.81	115.23
14	k	1401	CLA	O2A-CGA-CBA	3.21	124.15	114.00
18	A	4006	BCR	C30-C25-C24	3.21	124.36	115.65
14	K	1401	CLA	O2A-CGA-CBA	3.21	124.15	114.00
18	a	4006	BCR	C30-C25-C24	3.21	124.36	115.65
14	B	1234	CLA	CHD-C1D-ND	-3.21	120.28	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1123	CLA	C1-C2-C3	-3.21	120.94	126.20
18	b	4009	BCR	C3-C4-C5	-3.21	108.33	114.06
14	b	1229	CLA	CAA-C2A-C3A	-3.21	104.33	113.00
14	V	1501	CLA	C4D-C3D-CAD	3.21	111.59	108.11
14	G	1109	CLA	C4-C3-C5	3.21	120.80	115.23
14	a	1130	CLA	O2D-CGD-O1D	-3.21	117.60	123.85
14	G	1106	CLA	C1-C2-C3	-3.21	120.94	126.20
18	a	4005	BCR	C15-C14-C13	-3.21	122.78	127.28
15	H	1230	F6C	C4A-NA-C1A	3.21	108.56	106.31
18	i	4020	BCR	C38-C26-C25	-3.21	120.99	124.48
14	A	1117	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	A	1122	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	b	1234	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	U	1501	CLA	CHD-C1D-ND	-3.20	120.29	124.80
14	G	1130	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
15	B	1230	F6C	C4A-NA-C1A	3.20	108.56	106.31
14	G	1110	CLA	O2A-CGA-CBA	3.20	124.12	114.00
18	L	4019	BCR	C34-C9-C8	3.20	122.98	118.09
14	a	1122	CLA	CHD-C1D-ND	-3.20	120.30	124.80
14	a	1106	CLA	C1-C2-C3	-3.20	120.95	126.20
14	H	1022	CLA	C4-C3-C2	-3.20	115.40	123.63
14	A	1119	CLA	C1-O2A-CGA	3.20	124.40	116.65
14	a	1119	CLA	C1-O2A-CGA	3.20	124.40	116.65
14	G	1123	CLA	C1-C2-C3	-3.20	120.95	126.20
14	A	1130	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
14	H	1204	CLA	C1-O2A-CGA	3.20	124.40	116.65
21	H	6004	LMT	O5'-C1'-C2'	-3.20	103.80	110.37
14	A	1117	CLA	C1-C2-C3	-3.20	120.95	126.20
14	G	1117	CLA	C1-C2-C3	-3.20	120.95	126.20
14	B	1224	CLA	O1D-CGD-CBD	-3.20	118.21	124.52
18	G	4001	BCR	C33-C5-C6	-3.20	120.99	124.48
21	B	6004	LMT	O5'-C1'-C2'	-3.20	103.80	110.37
14	b	1221	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
14	A	1106	CLA	C1-C2-C3	-3.20	120.96	126.20
14	B	1221	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
14	G	1119	CLA	C1-O2A-CGA	3.20	124.39	116.65
21	b	6004	LMT	O5'-C1'-C2'	-3.20	103.80	110.37
18	i	4020	BCR	C23-C22-C21	-3.20	113.98	119.01
15	H	1207	F6C	C3C-C4C-NC	3.19	113.82	110.32
14	G	1130	CLA	CAA-C2A-C3A	-3.19	104.37	113.00
14	a	1113	CLA	O2A-CGA-CBA	3.19	124.09	114.00
14	H	1206	CLA	O2D-CGD-O1D	-3.19	117.63	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1128	CLA	C3B-C2B-C1B	-3.19	103.41	107.17
18	a	4004	BCR	C15-C14-C13	-3.19	122.80	127.28
14	b	1204	CLA	C1-O2A-CGA	3.19	124.37	116.65
14	H	1234	CLA	CHD-C1D-ND	-3.19	120.31	124.80
14	A	1102	CLA	CMC-C2C-C1C	3.19	130.02	125.03
14	a	1102	CLA	CMC-C2C-C1C	3.19	130.02	125.03
14	A	1113	CLA	O2A-CGA-CBA	3.19	124.07	114.00
14	A	1130	CLA	CAA-C2A-C3A	-3.19	104.39	113.00
18	I	4020	BCR	C23-C22-C21	-3.19	114.00	119.01
14	M	1501	CLA	C4D-C3D-CAD	3.19	111.57	108.11
14	B	1204	CLA	C1-O2A-CGA	3.19	124.36	116.65
18	R	4020	BCR	C23-C22-C21	-3.19	114.00	119.01
14	H	1204	CLA	C3D-C4D-ND	3.19	115.17	109.99
14	H	1216	CLA	C4A-NA-C1A	3.18	108.13	106.68
14	a	1141	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	b	1201	CLA	O2A-C1-C2	3.18	120.36	108.11
14	G	1113	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	A	1123	CLA	C1-C2-C3	-3.18	120.98	126.20
18	G	4001	BCR	C24-C23-C22	-3.18	121.53	126.23
14	b	1021	CLA	C2B-C1B-NB	3.18	113.63	110.33
15	b	1207	F6C	C3C-C4C-NC	3.18	113.81	110.32
14	b	1218	CLA	O2A-CGA-CBA	3.18	124.05	114.00
14	B	1211	CLA	CMC-C2C-C1C	3.18	130.01	125.03
14	b	1206	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
14	G	1122	CLA	CHD-C1D-ND	-3.18	120.33	124.80
14	a	1101	CLA	CHD-C1D-ND	-3.18	120.33	124.80
14	B	1021	CLA	C2B-C1B-NB	3.18	113.62	110.33
14	B	1218	CLA	O2A-CGA-CBA	3.18	124.05	114.00
14	B	1201	CLA	O2A-C1-C2	3.18	120.35	108.11
14	a	1130	CLA	CAA-C2A-C3A	-3.18	104.41	113.00
14	G	1116	CLA	CMC-C2C-C1C	3.18	130.00	125.03
14	H	1222	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
14	A	1126	CLA	O1D-CGD-CBD	-3.18	118.25	124.52
14	B	1206	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
14	A	1137	CLA	C1-C2-C3	-3.18	121.62	126.76
14	B	1222	CLA	O2D-CGD-O1D	-3.18	117.67	123.85
14	G	1137	CLA	C1-C2-C3	-3.18	121.62	126.76
14	G	1126	CLA	O1D-CGD-CBD	-3.18	118.25	124.52
14	A	1116	CLA	CMC-C2C-C1C	3.18	130.00	125.03
14	G	1102	CLA	CMC-C2C-C1C	3.18	130.00	125.03
15	H	1207	F6C	C4-C3-C5	3.17	120.74	115.23
14	b	1224	CLA	O1D-CGD-CBD	-3.17	118.26	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	B	1207	F6C	C3C-C4C-NC	3.17	113.80	110.32
15	b	1237	F6C	C3A-C4A-NA	3.17	113.27	110.13
18	A	4001	BCR	C24-C23-C22	-3.17	121.54	126.23
14	b	1222	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
14	b	1204	CLA	C3D-C4D-ND	3.17	115.14	109.99
14	a	1126	CLA	O1D-CGD-CBD	-3.17	118.26	124.52
14	H	1218	CLA	O2A-CGA-CBA	3.17	124.02	114.00
14	b	1211	CLA	CMC-C2C-C1C	3.17	129.99	125.03
14	a	1117	CLA	C1-C2-C3	-3.17	121.00	126.20
14	G	1125	CLA	C4C-C3C-C2C	-3.17	102.28	106.89
14	H	1201	CLA	O2A-C1-C2	3.17	120.30	108.11
14	A	1141	CLA	O2A-CGA-CBA	3.17	124.01	114.00
14	A	1128	CLA	C3B-C2B-C1B	-3.17	103.44	107.17
14	A	1113	CLA	C3D-C4D-ND	3.17	115.14	109.99
18	A	4001	BCR	C33-C5-C6	-3.17	121.03	124.48
14	G	1141	CLA	O2A-CGA-CBA	3.17	124.00	114.00
14	B	1204	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	V	1501	CLA	CHD-C1D-ND	-3.16	120.35	124.80
14	H	1021	CLA	C2B-C1B-NB	3.16	113.61	110.33
14	M	1501	CLA	CMA-C3A-C4A	3.16	120.28	111.77
14	a	1111	CLA	CAA-C2A-C3A	-3.16	104.45	113.00
14	b	1208	CLA	O2D-CGD-O1D	-3.16	117.69	123.85
18	H	4004	BCR	C24-C23-C22	-3.16	121.56	126.23
15	H	1238	F6C	C3C-C4C-NC	3.16	113.78	110.32
15	B	1207	F6C	C4-C3-C5	3.16	120.71	115.23
14	H	1211	CLA	CMC-C2C-C1C	3.16	129.97	125.03
14	a	1113	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	V	1501	CLA	CMA-C3A-C4A	3.16	120.26	111.77
14	b	1214	CLA	C4A-NA-C1A	3.16	108.12	106.68
18	A	4004	BCR	C15-C14-C13	-3.16	122.85	127.28
15	b	1207	F6C	C4-C3-C5	3.16	120.71	115.23
14	a	1116	CLA	CMC-C2C-C1C	3.16	129.97	125.03
14	A	1111	CLA	CAA-C2A-C3A	-3.15	104.47	113.00
18	G	4004	BCR	C15-C14-C13	-3.15	122.85	127.28
14	G	1113	CLA	C3D-C4D-ND	3.15	115.11	109.99
14	B	1223	CLA	C3C-C4C-NC	3.15	114.47	110.43
14	H	1223	CLA	C3C-C4C-NC	3.15	114.47	110.43
14	H	1212	CLA	O2A-CGA-CBA	3.15	123.96	114.00
14	m	1501	CLA	CHD-C1D-ND	-3.15	120.36	124.80
14	b	1223	CLA	C3C-C4C-NC	3.15	114.47	110.43
15	b	1238	F6C	C3C-C4C-NC	3.15	113.78	110.32
14	A	1101	CLA	CHD-C1D-ND	-3.15	120.37	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1101	CLA	CHD-C1D-ND	-3.15	120.37	124.80
14	L	1503	CLA	C2B-C1B-NB	3.15	113.59	110.33
18	L	4022	BCR	C33-C5-C4	3.15	120.31	113.60
14	A	1125	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
14	b	1212	CLA	O2A-CGA-CBA	3.15	123.95	114.00
18	U	4022	BCR	C33-C5-C4	3.15	120.31	113.60
14	b	1239	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
14	A	1128	CLA	C2B-C1B-NB	3.15	113.59	110.33
14	G	1128	CLA	C2B-C1B-NB	3.15	113.59	110.33
14	M	1501	CLA	CHD-C1D-ND	-3.15	120.37	124.80
18	I	4020	BCR	C38-C26-C25	-3.15	121.05	124.48
14	m	1501	CLA	C4D-C3D-CAD	3.15	111.52	108.11
14	A	1137	CLA	CAA-CBA-CGA	-3.15	104.28	113.21
14	H	1217	CLA	CHD-C1D-ND	-3.14	120.38	124.80
14	B	1212	CLA	O2A-CGA-CBA	3.14	123.93	114.00
15	G	1121	F6C	O2A-CGA-CBA	3.14	123.93	114.00
18	H	4010	BCR	C34-C9-C8	3.14	122.89	118.09
14	G	1137	CLA	CAA-CBA-CGA	-3.14	104.28	113.21
14	G	1111	CLA	CAA-C2A-C3A	-3.14	104.50	113.00
14	m	1501	CLA	CMA-C3A-C4A	3.14	120.22	111.77
15	B	1238	F6C	C3C-C4C-NC	3.14	113.76	110.32
14	a	1137	CLA	C1-C2-C3	-3.14	121.68	126.76
18	G	4005	BCR	C35-C13-C12	3.14	122.89	118.09
18	b	4004	BCR	C24-C23-C22	-3.14	121.59	126.23
15	A	1121	F6C	O2A-CGA-CBA	3.14	123.92	114.00
14	B	1208	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
14	B	1204	CLA	CMC-C2C-C1C	3.14	129.94	125.03
18	l	4022	BCR	C33-C5-C4	3.14	120.28	113.60
14	a	1128	CLA	C2B-C1B-NB	3.14	113.58	110.33
14	A	1012	CLA	O2A-C1-C2	3.14	120.17	108.11
14	a	1125	CLA	C4C-C3C-C2C	-3.14	102.33	106.89
18	b	4010	BCR	C34-C9-C8	3.13	122.88	118.09
15	B	1230	F6C	O2A-CGA-CBA	3.13	123.90	114.00
18	a	4001	BCR	C24-C23-C22	-3.13	121.60	126.23
14	G	1126	CLA	C4-C3-C5	3.13	120.67	115.23
14	G	1119	CLA	O2A-CGA-CBA	3.13	121.39	111.83
18	B	4004	BCR	C24-C23-C22	-3.13	121.60	126.23
14	a	1128	CLA	C3B-C2B-C1B	-3.13	103.48	107.17
15	H	1230	F6C	O2A-CGA-CBA	3.13	123.90	114.00
15	b	1230	F6C	O2A-CGA-CBA	3.13	123.90	114.00
14	U	1503	CLA	CHD-C1D-ND	-3.13	120.40	124.80
18	R	4020	BCR	C38-C26-C25	-3.13	121.07	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1137	CLA	CAA-CBA-CGA	-3.13	104.32	113.21
14	l	1503	CLA	C2B-C1B-NB	3.13	113.57	110.33
14	H	1208	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
18	B	4010	BCR	C34-C9-C8	3.13	122.87	118.09
14	B	1217	CLA	CHD-C1D-ND	-3.13	120.40	124.80
18	H	4004	BCR	C36-C18-C17	-3.13	117.75	122.82
14	G	1012	CLA	O2A-C1-C2	3.13	120.14	108.11
18	A	4005	BCR	C35-C13-C12	3.13	122.87	118.09
18	B	4004	BCR	C36-C18-C17	-3.13	117.75	122.82
15	a	1121	F6C	O2A-CGA-CBA	3.13	123.88	114.00
18	a	4001	BCR	C33-C5-C6	-3.13	121.07	124.48
18	b	4004	BCR	C36-C18-C17	-3.13	117.75	122.82
14	a	1012	CLA	O2A-C1-C2	3.13	120.13	108.11
14	H	1204	CLA	CMC-C2C-C1C	3.12	129.92	125.03
14	A	1119	CLA	O2A-CGA-CBA	3.12	121.36	111.83
14	a	1134	CLA	O2A-CGA-CBA	3.12	123.87	114.00
14	b	1217	CLA	CHD-C1D-ND	-3.12	120.41	124.80
14	a	1111	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	U	1503	CLA	C2B-C1B-NB	3.12	113.56	110.33
14	A	1111	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	G	1106	CLA	O2A-C1-C2	3.12	120.12	108.11
18	T	4001	BCR	C34-C9-C10	-3.12	117.76	122.82
14	L	1503	CLA	CHD-C1D-ND	-3.12	120.41	124.80
14	A	1106	CLA	O2A-C1-C2	3.12	120.11	108.11
14	a	1126	CLA	C4-C3-C5	3.12	120.64	115.23
18	k	4001	BCR	C34-C9-C10	-3.12	117.77	122.82
14	B	1234	CLA	C3C-C4C-NC	3.11	114.42	110.43
14	G	1111	CLA	CMC-C2C-C1C	3.11	129.90	125.03
14	B	1205	CLA	OBD-CAD-C3D	-3.11	121.14	128.42
14	a	1119	CLA	O2A-CGA-CBA	3.11	121.32	111.83
14	H	1205	CLA	OBD-CAD-C3D	-3.11	121.14	128.42
14	b	1205	CLA	OBD-CAD-C3D	-3.11	121.15	128.42
14	G	1013	CLA	C1-C2-C3	-3.11	121.10	126.20
14	G	1134	CLA	O2A-CGA-CBA	3.11	123.83	114.00
14	a	1106	CLA	O2A-C1-C2	3.11	120.07	108.11
14	b	1204	CLA	CMC-C2C-C1C	3.11	129.89	125.03
16	a	2001	PQN	C14-C13-C15	3.11	120.62	115.23
14	H	1234	CLA	C3C-C4C-NC	3.11	114.41	110.43
14	B	1211	CLA	CAC-C3C-C4C	3.11	128.84	124.79
14	B	1239	CLA	O2D-CGD-O1D	-3.11	117.80	123.85
21	a	6003	LMT	C3'-C4'-C5'	-3.11	104.04	110.93
14	A	1126	CLA	C4-C3-C5	3.11	120.62	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1140	CLA	C4-C3-C5	3.11	120.62	115.23
14	A	1134	CLA	O2A-CGA-CBA	3.10	123.81	114.00
18	a	4005	BCR	C35-C13-C12	3.10	122.83	118.09
15	H	1219	F6C	C3D-C4D-ND	3.10	115.04	109.93
14	B	1214	CLA	C4A-NA-C1A	3.10	108.09	106.68
15	b	1219	F6C	C3D-C4D-ND	3.10	115.04	109.93
14	H	1232	CLA	O2A-CGA-CBA	3.10	123.79	114.00
15	b	1219	F6C	CHA-C1A-C2A	-3.10	122.08	130.41
14	a	1013	CLA	C1-C2-C3	-3.10	121.12	126.20
18	K	4001	BCR	C34-C9-C10	-3.10	117.80	122.82
21	A	6003	LMT	C3'-C4'-C5'	-3.10	104.06	110.93
15	H	1230	F6C	CHB-C4A-C3A	-3.10	119.04	125.49
15	B	1230	F6C	CHB-C4A-C3A	-3.10	119.04	125.49
14	G	1140	CLA	C4-C3-C5	3.10	120.60	115.23
14	B	1232	CLA	O2A-CGA-CBA	3.10	123.78	114.00
14	b	1232	CLA	O2A-CGA-CBA	3.10	123.78	114.00
14	H	1211	CLA	CAC-C3C-C4C	3.10	128.82	124.79
14	b	1234	CLA	C3C-C4C-NC	3.10	114.40	110.43
15	B	1219	F6C	CHA-C4D-ND	3.10	136.01	133.05
14	H	1220	CLA	CMA-C3A-C4A	3.10	120.09	111.77
14	b	1022	CLA	CMC-C2C-C1C	3.09	129.87	125.03
15	B	1219	F6C	CHA-C1A-C2A	-3.09	122.09	130.41
14	H	1239	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
20	G	5003	LMG	O8-C28-C29	3.09	121.27	111.83
14	G	1130	CLA	O2A-C1-C2	3.09	120.01	108.11
21	G	6003	LMT	C3'-C4'-C5'	-3.09	104.08	110.93
14	b	1220	CLA	CMA-C3A-C4A	3.09	120.08	111.77
15	H	1207	F6C	O2A-C1-C2	3.09	120.01	108.11
14	A	1130	CLA	O2A-C1-C2	3.09	120.00	108.11
14	H	1234	CLA	C1-O2A-CGA	3.09	124.13	116.65
14	l	1503	CLA	CHD-C1D-ND	-3.09	120.45	124.80
20	a	5003	LMG	O8-C28-C29	3.09	121.26	111.83
20	A	5003	LMG	O8-C28-C29	3.09	121.26	111.83
14	B	1234	CLA	C1-O2A-CGA	3.09	124.13	116.65
15	B	1219	F6C	C3D-C4D-ND	3.09	115.02	109.93
14	a	1127	CLA	CHD-C1D-ND	-3.09	120.45	124.80
14	a	1130	CLA	O2A-C1-C2	3.09	119.99	108.11
15	b	1230	F6C	CHB-C4A-C3A	-3.09	119.06	125.49
14	A	1127	CLA	CHD-C1D-ND	-3.09	120.46	124.80
14	G	1103	CLA	CAA-C2A-C3A	-3.09	104.65	113.00
16	A	2001	PQN	C14-C13-C15	3.09	120.59	115.23
15	b	1219	F6C	CHA-C4D-ND	3.09	136.00	133.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	H	1219	F6C	CHA-C1A-C2A	-3.09	122.11	130.41
14	a	1103	CLA	CAA-C2A-C3A	-3.08	104.66	113.00
14	b	1216	CLA	C1-O2A-CGA	3.08	124.12	116.65
15	b	1207	F6C	O2A-C1-C2	3.08	119.98	108.11
14	b	1234	CLA	C1-O2A-CGA	3.08	124.11	116.65
15	B	1207	F6C	O2A-C1-C2	3.08	119.97	108.11
14	B	1220	CLA	CMA-C3A-C4A	3.08	120.06	111.77
14	G	1101	CLA	O2A-CGA-CBA	3.08	123.74	114.00
16	G	2001	PQN	C14-C13-C15	3.08	120.58	115.23
14	B	1216	CLA	C1-O2A-CGA	3.08	124.11	116.65
18	H	4004	BCR	C2-C1-C6	3.08	114.92	110.44
21	i	6001	LMT	C3'-C4'-C5'	-3.08	104.10	110.93
14	H	1022	CLA	CMC-C2C-C1C	3.08	129.84	125.03
14	A	1101	CLA	O2A-CGA-CBA	3.08	123.73	114.00
14	b	1211	CLA	CAC-C3C-C4C	3.08	128.79	124.79
14	G	1123	CLA	CMC-C2C-C1C	3.08	129.84	125.03
14	B	1022	CLA	CMC-C2C-C1C	3.08	129.84	125.03
14	B	1223	CLA	O2D-CGD-O1D	-3.07	117.86	123.85
14	A	1103	CLA	CAA-C2A-C3A	-3.07	104.69	113.00
15	H	1219	F6C	CHA-C4D-ND	3.07	135.99	133.05
14	B	1225	CLA	CMB-C2B-C3B	3.07	133.78	126.55
14	A	1013	CLA	C1-C2-C3	-3.07	121.16	126.20
14	H	1216	CLA	C1-O2A-CGA	3.07	124.09	116.65
14	a	1101	CLA	O2A-CGA-CBA	3.07	123.71	114.00
14	A	1140	CLA	C4-C3-C5	3.07	120.56	115.23
14	G	1127	CLA	CHD-C1D-ND	-3.07	120.48	124.80
18	B	4004	BCR	C2-C1-C6	3.07	114.90	110.44
21	R	6001	LMT	C3'-C4'-C5'	-3.07	104.12	110.93
14	H	1217	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
18	l	4022	BCR	C19-C18-C17	3.07	123.84	119.01
21	I	6001	LMT	C3'-C4'-C5'	-3.07	104.13	110.93
14	H	1214	CLA	C4A-NA-C1A	3.07	108.08	106.68
18	B	4006	BCR	C33-C5-C6	-3.07	121.14	124.48
14	H	1223	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
14	G	1128	CLA	C1-C2-C3	-3.07	121.17	126.20
14	H	1216	CLA	CAA-C2A-C3A	-3.07	104.71	113.00
18	b	4004	BCR	C2-C1-C6	3.07	114.89	110.44
18	b	4006	BCR	C33-C5-C6	-3.06	121.14	124.48
14	H	1225	CLA	CMB-C2B-C3B	3.06	133.75	126.55
14	A	1125	CLA	CAA-C2A-C3A	-3.06	104.73	113.00
14	b	1217	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
14	A	1130	CLA	CMB-C2B-C3B	3.06	133.75	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1225	CLA	CMB-C2B-C3B	3.06	133.74	126.55
14	B	1217	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
14	A	1123	CLA	CMC-C2C-C1C	3.06	129.81	125.03
14	a	1123	CLA	CMC-C2C-C1C	3.06	129.81	125.03
14	H	1215	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
18	B	4017	BCR	C24-C23-C22	-3.06	121.71	126.23
14	b	1215	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
14	G	1012	CLA	C1-C2-C3	-3.05	121.19	126.20
14	b	1216	CLA	CAA-C2A-C3A	-3.05	104.75	113.00
15	H	1237	F6C	CAA-CBA-CGA	-3.05	104.38	113.44
14	L	1502	CLA	C3D-C4D-ND	3.05	114.95	109.99
18	L	4022	BCR	C19-C18-C17	3.05	123.81	119.01
14	a	1125	CLA	CAA-C2A-C3A	-3.05	104.75	113.00
15	B	1237	F6C	CAA-CBA-CGA	-3.05	104.39	113.44
14	B	1202	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	a	1115	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
14	B	1216	CLA	CAA-C2A-C3A	-3.05	104.75	113.00
14	a	1130	CLA	CMB-C2B-C3B	3.05	133.72	126.55
18	U	4022	BCR	C19-C18-C17	3.05	123.81	119.01
14	G	1130	CLA	CMB-C2B-C3B	3.05	133.72	126.55
14	b	1223	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
14	b	1211	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
18	G	4005	BCR	C34-C9-C8	3.05	122.74	118.09
14	G	1125	CLA	CAA-C2A-C3A	-3.04	104.77	113.00
14	B	1215	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
14	H	1206	CLA	C1-C2-C3	-3.04	121.21	126.20
14	a	1012	CLA	C1-C2-C3	-3.04	121.21	126.20
18	b	4005	BCR	C38-C26-C25	-3.04	121.16	124.48
14	b	1227	CLA	O2A-CGA-CBA	3.04	123.61	114.00
18	H	4017	BCR	C24-C23-C22	-3.04	121.73	126.23
18	H	4006	BCR	C33-C5-C6	-3.04	121.17	124.48
14	H	1211	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
15	b	1237	F6C	CAA-CBA-CGA	-3.04	104.42	113.44
18	A	4005	BCR	C34-C9-C8	3.04	122.73	118.09
14	A	1115	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
14	B	1211	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
14	H	1205	CLA	CAA-C2A-C3A	-3.04	104.79	113.00
14	H	1202	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	G	1128	CLA	CMB-C2B-C3B	3.04	133.69	126.55
14	B	1227	CLA	O2A-CGA-CBA	3.04	123.60	114.00
14	U	1502	CLA	C3D-C4D-ND	3.04	114.92	109.99
16	G	2001	PQN	C2M-C2-C3	-3.04	119.46	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1108	CLA	O2A-CGA-CBA	3.04	123.59	114.00
15	b	1219	F6C	CMA-C3A-C4A	-3.04	119.38	124.73
18	B	4005	BCR	C38-C26-C25	-3.04	121.17	124.48
14	B	1205	CLA	CAA-C2A-C3A	-3.04	104.80	113.00
14	b	1232	CLA	C4D-C3D-CAD	3.03	111.40	108.11
14	b	1206	CLA	C1-C2-C3	-3.03	121.22	126.20
14	G	1115	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
14	H	1227	CLA	O2A-CGA-CBA	3.03	123.58	114.00
15	B	1219	F6C	CMA-C3A-C4A	-3.03	119.39	124.73
14	b	1205	CLA	CAA-C2A-C3A	-3.03	104.81	113.00
14	A	1108	CLA	O2A-CGA-CBA	3.03	123.58	114.00
14	A	1012	CLA	C1-C2-C3	-3.03	121.23	126.20
14	A	1128	CLA	C1-C2-C3	-3.03	121.23	126.20
14	H	1222	CLA	CAA-C2A-C3A	-3.03	104.81	113.00
14	H	1213	CLA	CMC-C2C-C1C	3.03	129.76	125.03
14	b	1213	CLA	CMC-C2C-C1C	3.03	129.76	125.03
14	B	1206	CLA	C1-C2-C3	-3.03	121.24	126.20
14	b	1236	CLA	C3C-C4C-NC	3.03	114.31	110.43
18	b	4017	BCR	C24-C23-C22	-3.03	121.76	126.23
18	R	4020	BCR	C34-C9-C8	3.02	122.71	118.09
15	H	1219	F6C	CMA-C3A-C4A	-3.02	119.41	124.73
18	H	4005	BCR	C38-C26-C25	-3.02	121.19	124.48
14	b	1222	CLA	CAA-C2A-C3A	-3.02	104.84	113.00
14	l	1502	CLA	C3D-C4D-ND	3.02	114.90	109.99
18	a	4005	BCR	C34-C9-C8	3.02	122.70	118.09
14	B	1222	CLA	CAA-C2A-C3A	-3.02	104.84	113.00
15	a	1121	F6C	CHD-C1D-ND	-3.02	119.76	124.31
14	b	1202	CLA	C4D-C3D-CAD	3.02	111.38	108.11
14	G	1108	CLA	O2A-CGA-CBA	3.02	123.53	114.00
14	a	1128	CLA	C1-C2-C3	-3.02	121.26	126.20
14	a	1115	CLA	CMC-C2C-C1C	3.02	129.75	125.03
14	A	1128	CLA	CMB-C2B-C3B	3.01	133.64	126.55
13	a	1011	CL0	C3C-C4C-NC	3.01	114.29	110.43
14	b	1233	CLA	CMA-C3A-C4A	3.01	119.87	111.77
14	G	1139	CLA	CMC-C2C-C1C	3.01	129.74	125.03
14	H	1206	CLA	C2B-C1B-NB	3.01	113.45	110.33
14	B	1213	CLA	CMC-C2C-C1C	3.01	129.74	125.03
14	G	1131	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
14	G	1113	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
14	a	1113	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
14	A	1113	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
14	a	1131	CLA	O2D-CGD-O1D	-3.01	117.99	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1233	CLA	CMA-C3A-C4A	3.01	119.86	111.77
14	B	1232	CLA	C4D-C3D-CAD	3.01	111.38	108.11
14	A	1139	CLA	CMC-C2C-C1C	3.01	129.74	125.03
18	I	4020	BCR	C34-C9-C8	3.01	122.69	118.09
14	A	1131	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
15	A	1121	F6C	CHD-C1D-ND	-3.01	119.78	124.31
18	A	4003	BCR	C3-C4-C5	-3.01	108.69	114.06
14	B	1233	CLA	CMA-C3A-C4A	3.01	119.85	111.77
14	a	1139	CLA	CMC-C2C-C1C	3.01	129.73	125.03
16	a	2001	PQN	C2M-C2-C3	-3.00	119.51	124.45
14	A	1132	CLA	CMC-C2C-C1C	3.00	129.73	125.03
15	b	1230	F6C	CHD-C1D-ND	-3.00	119.79	124.31
16	A	2001	PQN	C2M-C2-C3	-3.00	119.51	124.45
14	H	1232	CLA	CMA-C3A-C4A	3.00	119.84	111.77
18	a	4003	BCR	C3-C4-C5	-3.00	108.71	114.06
14	b	1232	CLA	CMA-C3A-C4A	3.00	119.84	111.77
14	G	1104	CLA	CMC-C2C-C1C	3.00	129.72	125.03
14	H	1215	CLA	O2A-C1-C2	3.00	119.65	108.11
14	a	1118	CLA	CAA-C2A-C3A	-3.00	104.90	113.00
14	H	1232	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	a	1132	CLA	CMC-C2C-C1C	3.00	129.72	125.03
14	b	1229	CLA	O2D-CGD-O1D	-2.99	118.02	123.85
15	G	1121	F6C	CHD-C1D-ND	-2.99	119.80	124.31
14	B	1232	CLA	CMA-C3A-C4A	2.99	119.82	111.77
14	A	1128	CLA	C4-C3-C5	2.99	120.42	115.23
14	a	1105	CLA	CAA-C2A-C3A	-2.99	104.91	113.00
14	H	1236	CLA	C3C-C4C-NC	2.99	114.26	110.43
14	b	1209	CLA	O2A-CGA-CBA	2.99	123.45	114.00
14	G	1141	CLA	CMA-C3A-C4A	2.99	119.81	111.77
14	b	1215	CLA	O2A-C1-C2	2.99	119.61	108.11
14	B	1215	CLA	O2A-C1-C2	2.99	119.61	108.11
18	i	4020	BCR	C34-C9-C8	2.99	122.65	118.09
13	A	1011	CL0	C3C-C4C-NC	2.99	114.26	110.43
14	B	1236	CLA	C3C-C4C-NC	2.99	114.26	110.43
14	B	1229	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
14	A	1141	CLA	CMA-C3A-C4A	2.99	119.80	111.77
15	B	1230	F6C	CHD-C1D-ND	-2.99	119.81	124.31
14	H	1229	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
14	a	1128	CLA	CMB-C2B-C3B	2.99	133.57	126.55
14	G	1105	CLA	CAA-C2A-C3A	-2.99	104.93	113.00
14	H	1234	CLA	C2B-C1B-NB	2.99	113.42	110.33
14	a	1141	CLA	CMA-C3A-C4A	2.99	119.80	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1201	CLA	C4D-C3D-CAD	2.98	111.35	108.11
14	G	1118	CLA	CAA-C2A-C3A	-2.98	104.93	113.00
14	a	1134	CLA	CMC-C2C-C1C	2.98	129.70	125.03
18	G	4003	BCR	C3-C4-C5	-2.98	108.73	114.06
14	a	1128	CLA	C4-C3-C5	2.98	120.41	115.23
14	A	1115	CLA	CMC-C2C-C1C	2.98	129.70	125.03
14	A	1118	CLA	CAA-C2A-C3A	-2.98	104.94	113.00
14	B	1209	CLA	O2A-CGA-CBA	2.98	123.42	114.00
14	A	1105	CLA	CAA-C2A-C3A	-2.98	104.94	113.00
14	H	1201	CLA	C4D-C3D-CAD	2.98	111.34	108.11
14	H	1202	CLA	C1-C2-C3	-2.98	121.31	126.20
14	b	1234	CLA	C2B-C1B-NB	2.98	113.42	110.33
14	G	1132	CLA	CMC-C2C-C1C	2.98	129.69	125.03
18	l	4022	BCR	C1-C6-C5	-2.98	118.56	122.64
14	B	1234	CLA	C2B-C1B-NB	2.98	113.41	110.33
14	V	1501	CLA	CAA-C2A-C3A	-2.98	104.95	113.00
14	G	1134	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	B	1206	CLA	C2B-C1B-NB	2.98	113.41	110.33
13	G	1011	CL0	C3C-C4C-NC	2.98	114.24	110.43
14	H	1021	CLA	C3C-C4C-NC	2.97	114.24	110.43
14	G	1123	CLA	CHD-C1D-ND	-2.97	120.62	124.80
14	A	1104	CLA	CMC-C2C-C1C	2.97	129.68	125.03
14	a	1104	CLA	CMC-C2C-C1C	2.97	129.68	125.03
14	a	1134	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
14	B	1202	CLA	C1-C2-C3	-2.97	121.33	126.20
18	U	4022	BCR	C1-C6-C5	-2.97	118.58	122.64
14	H	1209	CLA	O2A-CGA-CBA	2.97	123.39	114.00
14	G	1118	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	m	1501	CLA	CAA-C2A-C3A	-2.97	104.98	113.00
14	M	1501	CLA	CAA-C2A-C3A	-2.97	104.98	113.00
18	H	4009	BCR	C38-C26-C27	2.97	119.92	113.60
14	b	1223	CLA	CHD-C1D-ND	-2.97	120.63	124.80
14	U	1501	CLA	C3D-C4D-ND	2.97	114.81	109.99
14	a	1126	CLA	O2A-C1-C2	2.97	119.52	108.11
14	G	1128	CLA	C4-C3-C5	2.96	120.37	115.23
18	L	4022	BCR	C1-C6-C5	-2.96	118.58	122.64
14	A	1134	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	H	1021	CLA	CMA-C3A-C2A	-2.96	102.52	113.98
14	b	1021	CLA	CMA-C3A-C2A	-2.96	102.53	113.98
14	B	1021	CLA	CMA-C3A-C2A	-2.96	102.53	113.98
14	A	1126	CLA	O2A-C1-C2	2.96	119.50	108.11
14	G	1134	CLA	CMC-C2C-C1C	2.96	129.66	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1021	CLA	C3C-C4C-NC	2.96	114.22	110.43
14	b	1223	CLA	OBD-CAD-C3D	-2.96	121.50	128.42
14	H	1223	CLA	CHD-C1D-ND	-2.96	120.64	124.80
14	b	1202	CLA	C1-C2-C3	-2.96	121.35	126.20
14	G	1115	CLA	CMC-C2C-C1C	2.96	129.66	125.03
14	a	1118	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	A	1118	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	b	1206	CLA	C2B-C1B-NB	2.96	113.39	110.33
14	B	1223	CLA	OBD-CAD-C3D	-2.96	121.51	128.42
14	B	1201	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	A	1134	CLA	CMC-C2C-C1C	2.95	129.65	125.03
14	K	1401	CLA	C4D-C3D-CAD	2.95	111.31	108.11
21	b	6003	LMT	O5B-C1B-C2B	2.95	116.43	110.37
18	B	4009	BCR	C38-C26-C27	2.95	119.89	113.60
14	G	1126	CLA	O2A-C1-C2	2.95	119.46	108.11
14	L	1501	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	B	1021	CLA	O2A-CGA-CBA	2.95	120.83	111.83
14	G	1012	CLA	C4-C3-C5	2.95	120.35	115.23
21	B	6003	LMT	O5B-C1B-C2B	2.95	116.43	110.37
14	H	1233	CLA	CMB-C2B-C1B	2.95	129.91	125.42
21	H	6003	LMT	O5B-C1B-C2B	2.95	116.42	110.37
14	H	1021	CLA	O2A-CGA-CBA	2.94	120.81	111.83
14	H	1223	CLA	OBD-CAD-C3D	-2.94	121.54	128.42
14	H	1023	CLA	CHD-C4C-NC	-2.94	119.67	124.23
14	B	1022	CLA	CHD-C1D-ND	-2.94	120.66	124.80
14	a	1109	CLA	CMA-C3A-C4A	2.94	119.68	111.77
18	A	4005	BCR	C7-C8-C9	-2.94	121.89	126.23
14	l	1501	CLA	C3D-C4D-ND	2.94	114.77	109.99
14	T	1401	CLA	C4D-C3D-CAD	2.94	111.30	108.11
15	H	1230	F6C	CHD-C1D-ND	-2.94	119.88	124.31
14	G	1124	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	a	1122	CLA	CMB-C2B-C1B	2.94	129.89	125.42
14	b	1021	CLA	O2A-CGA-CBA	2.94	120.79	111.83
19	A	5001	LHG	O8-C23-C24	2.94	120.79	111.83
18	a	4002	BCR	C28-C27-C26	-2.94	108.82	114.06
14	H	1022	CLA	CHD-C1D-ND	-2.94	120.67	124.80
14	a	1012	CLA	C4-C3-C5	2.94	120.32	115.23
14	H	1220	CLA	C1-C2-C3	-2.94	121.39	126.20
14	A	1124	CLA	O2D-CGD-O1D	-2.94	118.14	123.85
14	A	1123	CLA	CHD-C1D-ND	-2.93	120.67	124.80
14	b	1235	CLA	C3D-C4D-ND	2.93	114.76	109.99
18	b	4009	BCR	C38-C26-C27	2.93	119.85	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1223	CLA	CHD-C1D-ND	-2.93	120.67	124.80
14	a	1103	CLA	CHB-C4A-NA	2.93	128.63	124.40
19	G	5001	LHG	O8-C23-C24	2.93	120.78	111.83
18	A	4002	BCR	C28-C27-C26	-2.93	108.83	114.06
14	A	1109	CLA	CMA-C3A-C4A	2.93	119.66	111.77
15	a	1121	F6C	O2D-CGD-O1D	-2.93	118.14	123.85
14	A	1012	CLA	C4-C3-C5	2.93	120.32	115.23
14	a	1123	CLA	CHD-C1D-ND	-2.93	120.68	124.80
14	k	1401	CLA	C4D-C3D-CAD	2.93	111.29	108.11
19	a	5001	LHG	O8-C23-C24	2.93	120.77	111.83
14	G	1103	CLA	C3D-C4D-ND	2.93	114.75	109.99
14	B	1023	CLA	CHD-C4C-NC	-2.93	119.69	124.23
14	A	1122	CLA	CMB-C2B-C1B	2.93	129.88	125.42
14	B	1233	CLA	CMB-C2B-C1B	2.93	129.88	125.42
14	A	1135	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	G	1135	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	b	1021	CLA	C3C-C4C-NC	2.92	114.17	110.43
15	G	1121	F6C	O2D-CGD-O1D	-2.92	118.16	123.85
14	H	1226	CLA	C1D-ND-C4D	-2.92	104.26	106.31
14	H	1221	CLA	C1-O2A-CGA	2.92	123.72	116.65
14	A	1103	CLA	C3D-C4D-ND	2.92	114.74	109.99
18	G	4005	BCR	C7-C8-C9	-2.92	121.91	126.23
14	b	1022	CLA	CHD-C1D-ND	-2.92	120.69	124.80
14	H	1221	CLA	CMB-C2B-C3B	2.92	133.42	126.55
18	a	4005	BCR	C7-C8-C9	-2.92	121.91	126.23
14	a	1124	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
18	a	4003	BCR	C37-C22-C23	2.92	122.55	118.09
14	G	1012	CLA	CMC-C2C-C1C	2.92	129.60	125.03
15	A	1121	F6C	O2D-CGD-O1D	-2.92	118.17	123.85
14	A	1101	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	H	1213	CLA	O2A-CGA-CBA	2.92	123.22	114.00
14	b	1221	CLA	CMB-C2B-C3B	2.92	133.41	126.55
20	H	5002	LMG	O1-C1-C2	2.92	112.70	108.27
14	B	1213	CLA	O2A-CGA-CBA	2.92	123.21	114.00
14	b	1233	CLA	CMB-C2B-C1B	2.91	129.86	125.42
14	G	1103	CLA	CHB-C4A-NA	2.91	128.61	124.40
14	G	1101	CLA	C4D-C3D-CAD	2.91	111.27	108.11
14	B	1231	CLA	CMB-C2B-C1B	2.91	129.86	125.42
14	a	1135	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	G	1109	CLA	CMA-C3A-C4A	2.91	119.60	111.77
14	H	1235	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	B	1221	CLA	CMB-C2B-C3B	2.91	133.40	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1122	CLA	CMB-C2B-C1B	2.91	129.85	125.42
14	H	1218	CLA	CMC-C2C-C1C	2.91	129.58	125.03
14	B	1235	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	a	1103	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	A	1012	CLA	CMC-C2C-C1C	2.91	129.58	125.03
15	B	1230	F6C	CHA-C4D-ND	2.91	135.83	133.05
14	B	1202	CLA	CHB-C4A-NA	2.91	128.60	124.40
14	b	1218	CLA	CMC-C2C-C1C	2.91	129.58	125.03
15	B	1207	F6C	CHA-C4D-ND	2.91	135.83	133.05
14	b	1221	CLA	C1-O2A-CGA	2.91	123.69	116.65
18	A	4003	BCR	C37-C22-C23	2.91	122.53	118.09
14	a	1123	CLA	C3C-C4C-NC	2.91	114.15	110.43
14	B	1220	CLA	C1-C2-C3	-2.91	121.44	126.20
14	b	1213	CLA	O2A-CGA-CBA	2.91	123.18	114.00
18	G	4002	BCR	C28-C27-C26	-2.91	108.87	114.06
15	H	1230	F6C	C3D-C4D-ND	2.91	114.72	109.93
14	B	1221	CLA	C1-O2A-CGA	2.90	123.68	116.65
14	b	1023	CLA	CHD-C4C-NC	-2.90	119.73	124.23
15	H	1207	F6C	CHA-C4D-ND	2.90	135.83	133.05
14	a	1012	CLA	CMC-C2C-C1C	2.90	129.57	125.03
15	G	1121	F6C	CHB-C4A-C3A	-2.90	119.45	125.49
14	H	1211	CLA	C3D-C4D-ND	2.90	114.70	109.99
14	A	1103	CLA	CHB-C4A-NA	2.90	128.59	124.40
14	b	1023	CLA	C1C-C2C-C3C	-2.90	103.93	106.98
15	a	1121	F6C	CHB-C4A-C3A	-2.90	119.46	125.49
18	i	4020	BCR	C37-C22-C23	2.90	122.51	118.09
14	A	1120	CLA	CMC-C2C-C1C	2.90	129.56	125.03
14	B	1218	CLA	CMC-C2C-C1C	2.90	129.56	125.03
13	G	1011	CL0	C3D-C4D-ND	2.89	114.69	109.99
14	G	1120	CLA	CMC-C2C-C1C	2.89	129.56	125.03
15	b	1230	F6C	CHA-C4D-ND	2.89	135.82	133.05
20	B	5002	LMG	O1-C1-C2	2.89	112.67	108.27
14	b	1212	CLA	CAA-C2A-C3A	-2.89	105.18	113.00
15	A	1121	F6C	CHB-C4A-C3A	-2.89	119.47	125.49
14	H	1212	CLA	CAA-C2A-C3A	-2.89	105.19	113.00
18	i	4020	BCR	C23-C24-C25	-2.89	119.28	127.00
13	A	1011	CL0	C3D-C4D-ND	2.89	114.68	109.99
14	B	1212	CLA	CAA-C2A-C3A	-2.89	105.19	113.00
13	a	1011	CL0	C3D-C4D-ND	2.89	114.68	109.99
14	b	1231	CLA	CMB-C2B-C1B	2.89	129.82	125.42
14	B	1225	CLA	CHD-C1D-ND	-2.89	120.74	124.80
14	a	1120	CLA	CMC-C2C-C1C	2.89	129.55	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1109	CLA	C4D-C3D-CAD	2.89	111.24	108.11
14	b	1231	CLA	C3D-C4D-ND	2.89	114.68	109.99
14	B	1211	CLA	C3D-C4D-ND	2.89	114.68	109.99
14	b	1220	CLA	C1-C2-C3	-2.89	121.47	126.20
20	b	5002	LMG	O1-C1-C2	2.88	112.65	108.27
14	H	1231	CLA	CMB-C2B-C1B	2.88	129.81	125.42
18	I	4020	BCR	C23-C24-C25	-2.88	119.29	127.00
14	a	1134	CLA	C4D-C3D-CAD	2.88	111.24	108.11
14	A	1123	CLA	C3C-C4C-NC	2.88	114.12	110.43
14	a	1101	CLA	C4D-C3D-CAD	2.88	111.24	108.11
18	G	4003	BCR	C37-C22-C23	2.88	122.49	118.09
14	B	1023	CLA	C1C-C2C-C3C	-2.88	103.95	106.98
14	A	1134	CLA	CMA-C3A-C4A	2.88	119.51	111.77
14	H	1202	CLA	CHB-C4A-NA	2.88	128.55	124.40
14	G	1134	CLA	CMA-C3A-C4A	2.87	119.50	111.77
14	a	1103	CLA	CMD-C2D-C3D	-2.87	121.10	127.69
15	B	1230	F6C	C3D-C4D-ND	2.87	114.67	109.93
14	B	1226	CLA	C1D-ND-C4D	-2.87	104.30	106.31
15	b	1207	F6C	CHA-C4D-ND	2.87	135.80	133.05
20	i	5006	LMG	O8-C28-C29	2.87	120.59	111.83
18	R	4020	BCR	C23-C24-C25	-2.87	119.33	127.00
20	I	5006	LMG	O8-C28-C29	2.87	120.59	111.83
14	b	1202	CLA	CHB-C4A-NA	2.87	128.54	124.40
14	b	1211	CLA	C3D-C4D-ND	2.87	114.65	109.99
20	R	5006	LMG	O8-C28-C29	2.87	120.58	111.83
14	H	1023	CLA	C1C-C2C-C3C	-2.87	103.96	106.98
18	I	4020	BCR	C37-C22-C23	2.87	122.47	118.09
15	b	1238	F6C	CHB-C4A-C3A	-2.87	119.52	125.49
14	G	1123	CLA	C3C-C4C-NC	2.87	114.10	110.43
14	H	1228	CLA	CAA-C2A-C3A	-2.87	105.25	113.00
14	b	1228	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
18	T	4001	BCR	C33-C5-C6	-2.87	121.36	124.48
18	k	4001	BCR	C33-C5-C6	-2.86	121.36	124.48
14	H	1210	CLA	C3C-C4C-NC	2.86	114.10	110.43
14	b	1225	CLA	CHD-C1D-ND	-2.86	120.77	124.80
14	k	1401	CLA	CMA-C3A-C4A	2.86	119.47	111.77
14	b	1221	CLA	CHD-C1D-ND	-2.86	120.77	124.80
14	a	1106	CLA	CMC-C2C-C1C	2.86	129.51	125.03
14	B	1228	CLA	CAA-C2A-C3A	-2.86	105.27	113.00
14	B	1231	CLA	C3D-C4D-ND	2.86	114.64	109.99
14	G	1120	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	a	1134	CLA	CMA-C3A-C4A	2.86	119.46	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1214	CLA	OBD-CAD-C3D	-2.86	121.73	128.42
14	G	1103	CLA	CMD-C2D-C3D	-2.86	121.14	127.69
15	b	1219	F6C	CHD-C1D-ND	-2.86	120.01	124.31
14	B	1228	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	b	1221	CLA	O2A-C1-C2	2.86	119.10	108.11
14	H	1221	CLA	O2A-C1-C2	2.86	119.10	108.11
14	B	1221	CLA	O2A-C1-C2	2.86	119.10	108.11
14	B	1221	CLA	CMC-C2C-C1C	2.85	129.50	125.03
14	A	1106	CLA	CMC-C2C-C1C	2.85	129.49	125.03
14	G	1106	CLA	CMC-C2C-C1C	2.85	129.49	125.03
15	H	1237	F6C	CHB-C4A-C3A	-2.85	119.55	125.49
14	H	1225	CLA	CHD-C1D-ND	-2.85	120.79	124.80
14	a	1111	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	H	1228	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	B	1216	CLA	C3D-C4D-ND	2.85	114.62	109.99
14	b	1228	CLA	CAA-C2A-C3A	-2.85	105.30	113.00
14	H	1221	CLA	CMC-C2C-C1C	2.85	129.49	125.03
15	B	1237	F6C	CHB-C4A-C3A	-2.85	119.56	125.49
15	B	1238	F6C	CHB-C4A-C3A	-2.85	119.56	125.49
14	K	1401	CLA	CMA-C3A-C4A	2.85	119.43	111.77
15	H	1230	F6C	CHA-C4D-ND	2.85	135.78	133.05
14	A	1103	CLA	CMD-C2D-C3D	-2.85	121.16	127.69
14	G	1108	CLA	C3D-C4D-ND	2.85	114.61	109.99
14	B	1210	CLA	CMC-C2C-C1C	2.85	129.48	125.03
14	H	1214	CLA	OBD-CAD-C3D	-2.85	121.76	128.42
14	T	1401	CLA	CMA-C3A-C4A	2.85	119.42	111.77
15	H	1237	F6C	C4-C3-C5	2.85	120.17	115.23
15	b	1230	F6C	C3D-C4D-ND	2.85	114.62	109.93
14	A	1108	CLA	C3D-C4D-ND	2.85	114.61	109.99
14	A	1109	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	b	1221	CLA	CMC-C2C-C1C	2.84	129.48	125.03
18	K	4001	BCR	C33-C5-C6	-2.84	121.38	124.48
14	a	1012	CLA	C6-C5-C3	-2.84	106.54	113.47
14	B	1209	CLA	C3D-C4D-ND	2.84	114.61	109.99
14	A	1134	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	G	1012	CLA	C6-C5-C3	-2.84	106.55	113.47
14	B	1221	CLA	CHD-C1D-ND	-2.84	120.80	124.80
14	a	1128	CLA	C4B-C3B-C2B	-2.84	103.77	107.30
14	A	1120	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
15	H	1238	F6C	CHB-C4A-C3A	-2.84	119.58	125.49
18	l	4022	BCR	C36-C18-C17	-2.84	118.22	122.82
14	H	1209	CLA	C3D-C4D-ND	2.84	114.60	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	R	4020	BCR	C37-C22-C23	2.84	122.42	118.09
14	A	1012	CLA	C6-C5-C3	-2.84	106.56	113.47
14	H	1234	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	H	1229	CLA	C3D-C4D-ND	2.84	114.60	109.99
14	b	1214	CLA	OBD-CAD-C3D	-2.84	121.79	128.42
14	b	1209	CLA	C3D-C4D-ND	2.84	114.60	109.99
15	b	1237	F6C	CHB-C4A-C3A	-2.84	119.59	125.49
14	G	1105	CLA	C3D-C4D-ND	2.83	114.59	109.99
14	G	1109	CLA	C4D-C3D-CAD	2.83	111.19	108.11
14	A	1104	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
15	B	1219	F6C	CHD-C1D-ND	-2.83	120.04	124.31
14	H	1231	CLA	C3D-C4D-ND	2.83	114.59	109.99
14	b	1218	CLA	C3D-C4D-ND	2.83	114.59	109.99
14	A	1111	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	b	1216	CLA	C3D-C4D-ND	2.83	114.59	109.99
14	a	1104	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	G	1134	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	a	1112	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
18	L	4019	BCR	C32-C1-C6	-2.83	105.80	110.24
14	b	1204	CLA	CMB-C2B-C1B	2.83	129.73	125.42
14	G	1125	CLA	CHD-C1D-ND	-2.83	120.82	124.80
14	b	1210	CLA	C3C-C4C-NC	2.83	114.06	110.43
14	G	1107	CLA	C3C-C4C-NC	2.83	114.06	110.43
14	b	1201	CLA	C3D-C4D-ND	2.83	114.59	109.99
14	B	1234	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
18	H	4010	BCR	C34-C9-C10	-2.83	118.23	122.82
15	b	1237	F6C	C4-C3-C5	2.83	120.14	115.23
14	B	1218	CLA	C3D-C4D-ND	2.83	114.58	109.99
15	B	1237	F6C	C4-C3-C5	2.83	120.14	115.23
14	a	1104	CLA	C3D-C4D-ND	2.83	114.58	109.99
14	a	1125	CLA	CHD-C1D-ND	-2.83	120.83	124.80
14	A	1128	CLA	C4B-C3B-C2B	-2.83	103.79	107.30
18	a	4006	BCR	C37-C22-C21	-2.83	118.24	122.82
13	a	1011	CL0	O2A-C1-C2	2.83	118.98	108.11
14	H	1221	CLA	CHD-C1D-ND	-2.83	120.83	124.80
14	B	1204	CLA	CMB-C2B-C1B	2.82	129.72	125.42
14	a	1118	CLA	C3D-C4D-ND	2.82	114.58	109.99
14	A	1107	CLA	C3C-C4C-NC	2.82	114.05	110.43
18	B	4010	BCR	C34-C9-C10	-2.82	118.24	122.82
14	a	1105	CLA	C3D-C4D-ND	2.82	114.58	109.99
14	a	1120	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
18	U	4019	BCR	C32-C1-C6	-2.82	105.82	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1213	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
18	a	4006	BCR	C31-C1-C6	-2.82	105.82	110.24
15	a	1121	F6C	C3C-C4C-NC	2.82	113.41	110.32
13	G	1011	CL0	O2A-C1-C2	2.82	118.97	108.11
14	B	1229	CLA	C3D-C4D-ND	2.82	114.57	109.99
14	b	1210	CLA	CMC-C2C-C1C	2.82	129.44	125.03
14	H	1216	CLA	C3D-C4D-ND	2.82	114.57	109.99
13	A	1011	CL0	O2A-C1-C2	2.82	118.96	108.11
18	L	4022	BCR	C36-C18-C17	-2.82	118.25	122.82
14	A	1112	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	G	1104	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	A	1104	CLA	C3D-C4D-ND	2.82	114.57	109.99
18	U	4022	BCR	C36-C18-C17	-2.82	118.25	122.82
14	A	1105	CLA	C3D-C4D-ND	2.82	114.57	109.99
14	G	1107	CLA	CMC-C2C-C1C	2.82	129.44	125.03
14	G	1112	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
15	A	1121	F6C	C3C-C4C-NC	2.82	113.41	110.32
14	a	1107	CLA	C3C-C4C-NC	2.82	114.04	110.43
14	a	1108	CLA	C3D-C4D-ND	2.82	114.57	109.99
18	a	4005	BCR	C38-C26-C27	2.82	119.60	113.60
14	A	1118	CLA	C3D-C4D-ND	2.82	114.56	109.99
18	H	4009	BCR	C1-C6-C5	-2.82	118.79	122.64
14	B	1210	CLA	C3C-C4C-NC	2.81	114.04	110.43
18	H	4017	BCR	C33-C5-C6	-2.81	121.41	124.48
14	b	1229	CLA	C3D-C4D-ND	2.81	114.56	109.99
14	b	1213	CLA	CAC-C3C-C4C	2.81	128.45	124.79
14	T	1401	CLA	C3C-C4C-NC	2.81	114.03	110.43
14	G	1118	CLA	C3D-C4D-ND	2.81	114.56	109.99
15	H	1219	F6C	CHD-C1D-ND	-2.81	120.08	124.31
14	a	1126	CLA	CAA-C2A-C3A	-2.81	105.40	113.00
14	b	1226	CLA	C1D-ND-C4D	-2.81	104.34	106.31
14	H	1210	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	a	1107	CLA	CMC-C2C-C1C	2.81	129.43	125.03
18	A	4006	BCR	C31-C1-C6	-2.81	105.84	110.24
14	G	1111	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	k	1401	CLA	C3C-C4C-NC	2.81	114.03	110.43
18	A	4005	BCR	C38-C26-C27	2.81	119.58	113.60
18	l	4019	BCR	C27-C26-C25	-2.81	118.91	122.70
14	b	1234	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
18	b	4010	BCR	C34-C9-C10	-2.81	118.27	122.82
18	B	4017	BCR	C33-C5-C6	-2.81	121.42	124.48
14	B	1239	CLA	CAC-C3C-C2C	2.81	132.71	127.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	l	4019	BCR	C32-C1-C6	-2.81	105.84	110.24
14	A	1125	CLA	CHD-C1D-ND	-2.81	120.85	124.80
14	B	1204	CLA	CAC-C3C-C4C	2.81	128.44	124.79
15	H	1230	F6C	C3C-C4C-NC	2.80	113.39	110.32
14	K	1401	CLA	C3C-C4C-NC	2.80	114.02	110.43
14	H	1239	CLA	CAC-C3C-C2C	2.80	132.71	127.56
18	G	4005	BCR	C38-C26-C27	2.80	119.57	113.60
18	a	4003	BCR	C33-C5-C6	-2.80	121.43	124.48
14	A	1012	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	B	1201	CLA	C3D-C4D-ND	2.80	114.54	109.99
15	G	1121	F6C	C3C-C4C-NC	2.80	113.39	110.32
14	G	1128	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
14	A	1107	CLA	CMC-C2C-C1C	2.80	129.41	125.03
18	G	4006	BCR	C31-C1-C6	-2.80	105.85	110.24
14	G	1104	CLA	C3D-C4D-ND	2.80	114.54	109.99
14	H	1218	CLA	C3D-C4D-ND	2.80	114.54	109.99
14	b	1239	CLA	CAC-C3C-C2C	2.80	132.70	127.56
14	b	1239	CLA	C4-C3-C5	2.80	120.08	115.23
14	H	1201	CLA	C3D-C4D-ND	2.80	114.53	109.99
18	L	4019	BCR	C29-C30-C25	2.80	114.50	110.44
18	U	4019	BCR	C29-C30-C25	2.80	114.50	110.44
14	G	1133	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	a	1012	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	A	1108	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
18	A	4006	BCR	C37-C22-C21	-2.80	118.29	122.82
14	G	1107	CLA	CMA-C3A-C4A	2.80	119.29	111.77
14	G	1012	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
14	B	1236	CLA	CMC-C2C-C1C	2.80	129.40	125.03
14	B	1213	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
18	l	4019	BCR	C29-C30-C25	2.79	114.50	110.44
14	a	1132	CLA	CMB-C2B-C1B	2.79	129.67	125.42
14	A	1126	CLA	CAA-C2A-C3A	-2.79	105.45	113.00
14	a	1108	CLA	CAA-C2A-C3A	-2.79	105.45	113.00
14	G	1013	CLA	C3D-C4D-ND	2.79	114.53	109.99
14	B	1239	CLA	C4-C3-C5	2.79	120.08	115.23
14	H	1204	CLA	CMB-C2B-C1B	2.79	129.67	125.42
14	H	1236	CLA	CMC-C2C-C1C	2.79	129.40	125.03
14	A	1013	CLA	C3D-C4D-ND	2.79	114.53	109.99
18	B	4009	BCR	C1-C6-C5	-2.79	118.82	122.64
18	L	4019	BCR	C27-C26-C25	-2.79	118.93	122.70
14	A	1107	CLA	CMA-C3A-C4A	2.79	119.27	111.77
13	G	1011	CL0	CHD-C1D-ND	-2.79	120.88	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4017	BCR	C33-C5-C6	-2.79	121.44	124.48
14	H	1204	CLA	CAC-C3C-C4C	2.79	128.42	124.79
13	A	1011	CL0	CHD-C1D-ND	-2.79	120.88	124.80
14	G	1126	CLA	CAA-C2A-C3A	-2.79	105.46	113.00
14	G	1113	CLA	CMA-C3A-C4A	2.79	119.27	111.77
14	H	1229	CLA	CMC-C2C-C1C	2.79	129.39	125.03
18	U	4019	BCR	C27-C26-C25	-2.79	118.94	122.70
14	H	1235	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
18	b	4017	BCR	C15-C14-C13	-2.79	123.37	127.28
14	G	1107	CLA	C4D-C3D-CAD	2.79	111.13	108.11
18	A	4003	BCR	C33-C5-C6	-2.79	121.44	124.48
18	H	4017	BCR	C15-C14-C13	-2.79	123.37	127.28
14	H	1213	CLA	CAC-C3C-C4C	2.78	128.41	124.79
14	A	1133	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	L	1503	CLA	C3D-C4D-ND	2.78	114.51	109.99
14	a	1132	CLA	C1-C2-C3	-2.78	121.64	126.20
14	H	1239	CLA	C4-C3-C5	2.78	120.06	115.23
14	H	1236	CLA	C1-C2-C3	-2.78	121.64	126.20
14	B	1235	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	a	1133	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
18	G	4006	BCR	C37-C22-C21	-2.78	118.31	122.82
14	b	1231	CLA	C4D-C3D-CAD	2.78	111.13	108.11
15	b	1230	F6C	C3C-C4C-NC	2.78	113.37	110.32
15	b	1238	F6C	O2D-CGD-O1D	-2.78	118.44	123.85
14	B	1236	CLA	C1-C2-C3	-2.78	121.64	126.20
14	B	1229	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	b	1236	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	a	1107	CLA	CMA-C3A-C4A	2.78	119.24	111.77
14	G	1119	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	b	1229	CLA	CMA-C3A-C4A	2.78	119.24	111.77
14	a	1104	CLA	C4D-C3D-CAD	2.78	111.12	108.11
14	B	1226	CLA	CMB-C2B-C3B	2.78	133.08	126.55
14	A	1132	CLA	CMB-C2B-C1B	2.78	129.65	125.42
14	B	1224	CLA	C3C-C4C-NC	2.78	113.99	110.43
14	G	1108	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
15	B	1230	F6C	C3C-C4C-NC	2.78	113.36	110.32
14	A	1113	CLA	CMA-C3A-C4A	2.78	119.23	111.77
18	l	4022	BCR	C3-C4-C5	-2.78	109.11	114.06
14	a	1127	CLA	C3C-C4C-NC	2.78	113.98	110.43
14	G	1102	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
14	a	1115	CLA	C3D-C4D-ND	2.77	114.50	109.99
18	U	4022	BCR	C3-C4-C5	-2.77	109.11	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1215	CLA	C4-C3-C5	2.77	120.04	115.23
14	G	1132	CLA	C1-C2-C3	-2.77	121.65	126.20
14	B	1215	CLA	C4-C3-C5	2.77	120.04	115.23
14	b	1226	CLA	CMB-C2B-C3B	2.77	133.07	126.55
14	H	1213	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
14	b	1211	CLA	CAA-C2A-C3A	-2.77	105.51	113.00
14	A	1102	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
14	b	1235	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
14	A	1132	CLA	C1-C2-C3	-2.77	121.66	126.20
18	B	4017	BCR	C15-C14-C13	-2.77	123.39	127.28
15	B	1219	F6C	C3C-C4C-NC	2.77	113.36	110.32
14	b	1215	CLA	C4-C3-C5	2.77	120.03	115.23
15	b	1237	F6C	C3D-C4D-ND	2.77	114.49	109.93
15	b	1219	F6C	O2D-CGD-O1D	-2.77	118.46	123.85
14	b	1204	CLA	CAC-C3C-C4C	2.77	128.39	124.79
14	b	1210	CLA	C3D-C4D-ND	2.77	114.49	109.99
14	B	1229	CLA	CMA-C3A-C4A	2.77	119.21	111.77
14	a	1013	CLA	C3D-C4D-ND	2.77	114.48	109.99
14	l	1503	CLA	C3D-C4D-ND	2.77	114.48	109.99
14	a	1113	CLA	CMA-C3A-C4A	2.77	119.21	111.77
14	H	1231	CLA	CMD-C2D-C3D	-2.77	121.35	127.69
14	G	1132	CLA	CMB-C2B-C1B	2.76	129.63	125.42
14	a	1109	CLA	C1-C2-C3	-2.76	121.67	126.20
18	L	4022	BCR	C3-C4-C5	-2.76	109.13	114.06
15	B	1237	F6C	C3D-C4D-ND	2.76	114.48	109.93
14	A	1013	CLA	C4-C3-C5	2.76	120.02	115.23
14	b	1224	CLA	C3C-C4C-NC	2.76	113.97	110.43
14	a	1102	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
18	b	4009	BCR	C1-C6-C5	-2.76	118.86	122.64
14	B	1213	CLA	CAC-C3C-C4C	2.76	128.38	124.79
14	B	1210	CLA	C3D-C4D-ND	2.76	114.48	109.99
14	U	1503	CLA	C3D-C4D-ND	2.76	114.48	109.99
14	a	1103	CLA	C4-C3-C5	2.76	120.02	115.23
14	H	1208	CLA	CAA-CBA-CGA	-2.76	105.37	113.21
15	H	1219	F6C	O2D-CGD-O1D	-2.76	118.47	123.85
14	H	1211	CLA	C4D-C3D-CAD	2.76	111.10	108.11
14	B	1211	CLA	CAA-C2A-C3A	-2.76	105.54	113.00
18	k	4001	BCR	C35-C13-C12	2.76	122.30	118.09
14	b	1208	CLA	CAA-CBA-CGA	-2.76	105.37	113.21
15	B	1219	F6C	O2D-CGD-O1D	-2.76	118.48	123.85
14	G	1110	CLA	C3D-C4D-ND	2.76	114.47	109.99
14	H	1210	CLA	C3D-C4D-ND	2.76	114.47	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1140	CLA	C3C-C4C-NC	2.76	113.96	110.43
18	G	4003	BCR	C33-C5-C6	-2.76	121.47	124.48
14	A	1104	CLA	C4D-C3D-CAD	2.76	111.10	108.11
14	B	1208	CLA	CAA-CBA-CGA	-2.76	105.38	113.21
14	a	1110	CLA	C3D-C4D-ND	2.76	114.47	109.99
14	b	1229	CLA	CMC-C2C-C1C	2.76	129.34	125.03
14	B	1231	CLA	CMD-C2D-C3D	-2.76	121.37	127.69
14	G	1013	CLA	C4-C3-C5	2.76	120.01	115.23
15	b	1219	F6C	C3C-C4C-NC	2.76	113.34	110.32
14	G	1122	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
14	H	1211	CLA	CAA-C2A-C3A	-2.75	105.56	113.00
14	a	1117	CLA	CAC-C3C-C4C	2.75	128.37	124.79
14	b	1236	CLA	C1-C2-C3	-2.75	121.68	126.20
14	A	1107	CLA	C4D-C3D-CAD	2.75	111.10	108.11
14	H	1226	CLA	CMB-C2B-C3B	2.75	133.03	126.55
14	H	1229	CLA	CMA-C3A-C4A	2.75	119.17	111.77
18	A	4006	BCR	C24-C25-C26	-2.75	115.22	121.56
14	b	1228	CLA	C1-C2-C3	-2.75	121.69	126.20
14	A	1109	CLA	C1-C2-C3	-2.75	121.69	126.20
14	A	1110	CLA	C3D-C4D-ND	2.75	114.46	109.99
21	A	6002	LMT	O1'-C1'-C2'	2.75	112.45	108.27
15	B	1238	F6C	O2D-CGD-O1D	-2.75	118.50	123.85
18	a	4004	BCR	C34-C9-C8	2.75	122.29	118.09
14	b	1231	CLA	CMD-C2D-C3D	-2.75	121.38	127.69
14	B	1211	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	G	1115	CLA	C3D-C4D-ND	2.75	114.45	109.99
15	B	1238	F6C	C3D-C4D-ND	2.75	114.46	109.93
14	G	1111	CLA	C3C-C4C-NC	2.75	113.95	110.43
14	G	1111	CLA	CMA-C3A-C4A	2.75	119.16	111.77
14	G	1109	CLA	C1-C2-C3	-2.75	121.70	126.20
14	A	1122	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
14	a	1111	CLA	CMA-C3A-C4A	2.75	119.16	111.77
14	M	1501	CLA	CMD-C2D-C3D	-2.75	121.39	127.69
14	G	1127	CLA	C3C-C4C-NC	2.75	113.95	110.43
15	H	1237	F6C	C3D-C4D-ND	2.75	114.45	109.93
18	A	4004	BCR	C34-C9-C8	2.75	122.28	118.09
14	A	1113	CLA	CAA-C2A-C3A	-2.75	105.58	113.00
14	a	1115	CLA	CMB-C2B-C3B	2.75	133.01	126.55
14	A	1102	CLA	C3D-C4D-ND	2.75	114.45	109.99
14	H	1209	CLA	CAA-C2A-C3A	-2.75	105.58	113.00
14	A	1103	CLA	C4-C3-C5	2.74	119.99	115.23
14	m	1501	CLA	CMD-C2D-C3D	-2.74	121.40	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1012	CLA	CMB-C2B-C1B	2.74	129.60	125.42
14	G	1103	CLA	C4-C3-C5	2.74	119.99	115.23
18	a	4006	BCR	C24-C25-C26	-2.74	115.24	121.56
21	b	6002	LMT	C1'-O5'-C5'	-2.74	108.36	113.72
14	A	1115	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	A	1119	CLA	C3D-C4D-ND	2.74	114.44	109.99
21	G	6002	LMT	O1'-C1'-C2'	2.74	112.44	108.27
14	a	1122	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
13	a	1011	CL0	CHD-C1D-ND	-2.74	120.94	124.80
18	G	4006	BCR	C24-C25-C26	-2.74	115.24	121.56
14	a	1127	CLA	CMC-C2C-C1C	2.74	129.32	125.03
14	V	1501	CLA	CMC-C2C-C1C	2.74	129.32	125.03
14	B	1209	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
14	a	1012	CLA	CMB-C2B-C1B	2.74	129.59	125.42
14	H	1223	CLA	C4-C3-C5	2.74	119.98	115.23
15	b	1238	F6C	C3D-C4D-ND	2.74	114.44	109.93
14	B	1223	CLA	C4-C3-C5	2.74	119.98	115.23
14	H	1226	CLA	C4B-C3B-C2B	-2.74	103.89	107.30
14	a	1013	CLA	C4-C3-C5	2.74	119.98	115.23
14	H	1235	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	G	1105	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	G	1113	CLA	CAA-C2A-C3A	-2.74	105.60	113.00
15	G	1121	F6C	CHA-C4D-ND	2.74	135.67	133.05
14	H	1227	CLA	C3C-C4C-NC	2.74	113.94	110.43
14	B	1021	CLA	C1-O2A-CGA	2.74	123.28	116.65
14	b	1217	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	A	1111	CLA	CMA-C3A-C4A	2.74	119.13	111.77
14	A	1115	CLA	CMB-C2B-C3B	2.74	132.99	126.55
14	a	1119	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	a	1111	CLA	C3C-C4C-NC	2.74	113.94	110.43
14	G	1104	CLA	C4D-C3D-CAD	2.74	111.08	108.11
15	H	1238	F6C	O2D-CGD-O1D	-2.74	118.52	123.85
14	A	1111	CLA	C3C-C4C-NC	2.74	113.94	110.43
15	H	1219	F6C	CHB-C4A-C3A	-2.74	119.80	125.49
14	a	1127	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	A	1127	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	A	1127	CLA	C3C-C4C-NC	2.74	113.93	110.43
14	H	1224	CLA	C3C-C4C-NC	2.74	113.93	110.43
14	M	1501	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	b	1235	CLA	C4D-C3D-CAD	2.73	111.08	108.11
18	T	4001	BCR	C35-C13-C12	2.73	122.27	118.09
15	A	1121	F6C	CHA-C4D-ND	2.73	135.66	133.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	K	4001	BCR	C35-C13-C12	2.73	122.26	118.09
14	G	1114	CLA	O2D-CGD-O1D	-2.73	118.53	123.85
14	a	1113	CLA	CAA-C2A-C3A	-2.73	105.61	113.00
14	A	1140	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	b	1211	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	B	1228	CLA	C1-C2-C3	-2.73	121.72	126.20
18	a	4003	BCR	C15-C14-C13	-2.73	123.45	127.28
14	b	1217	CLA	CMB-C2B-C1B	2.73	129.58	125.42
21	a	6002	LMT	O1'-C1'-C2'	2.73	112.42	108.27
14	b	1226	CLA	C4B-C3B-C2B	-2.73	103.91	107.30
14	b	1209	CLA	CAA-C2A-C3A	-2.73	105.62	113.00
14	G	1115	CLA	CMB-C2B-C3B	2.73	132.97	126.55
14	A	1012	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	H	1217	CLA	O2A-CGA-CBA	2.73	122.63	114.00
15	H	1219	F6C	C3C-C4C-NC	2.73	113.31	110.32
14	H	1208	CLA	O2A-C1-C2	2.73	118.61	108.11
14	B	1231	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	B	1208	CLA	O2A-C1-C2	2.73	118.61	108.11
21	H	6002	LMT	C1'-O5'-C5'	-2.73	108.39	113.72
14	b	1223	CLA	C4-C3-C5	2.73	119.96	115.23
14	A	1013	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	G	1013	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	b	1222	CLA	C4-C3-C5	2.73	119.96	115.23
14	m	1501	CLA	CMC-C2C-C1C	2.73	129.29	125.03
14	a	1138	CLA	CMA-C3A-C4A	2.73	119.10	111.77
14	H	1021	CLA	C1-O2A-CGA	2.72	123.25	116.65
21	B	6002	LMT	C1'-O5'-C5'	-2.72	108.40	113.72
18	l	4019	BCR	C12-C13-C14	-2.72	114.72	119.01
14	b	1021	CLA	C1-O2A-CGA	2.72	123.25	116.65
14	H	1228	CLA	C1-C2-C3	-2.72	121.73	126.20
18	G	4004	BCR	C34-C9-C8	2.72	122.25	118.09
15	B	1219	F6C	CHB-C4A-C3A	-2.72	119.82	125.49
14	a	1102	CLA	C3D-C4D-ND	2.72	114.41	109.99
14	B	1221	CLA	C3C-C4C-NC	2.72	113.92	110.43
14	G	1112	CLA	CAA-CBA-CGA	-2.72	105.47	113.21
14	A	1112	CLA	CAA-CBA-CGA	-2.72	105.48	113.21
14	G	1107	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	B	1227	CLA	C3C-C4C-NC	2.72	113.92	110.43
14	A	1138	CLA	CMA-C3A-C4A	2.72	119.09	111.77
14	b	1208	CLA	O2A-C1-C2	2.72	118.59	108.11
18	A	4003	BCR	C15-C14-C13	-2.72	123.46	127.28
14	G	1120	CLA	CMA-C3A-C4A	2.72	119.09	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1239	CLA	C3C-C4C-NC	2.72	113.92	110.43
14	A	1107	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	b	1234	CLA	C3D-C4D-ND	2.72	114.41	109.99
14	H	1224	CLA	C1-C2-C3	-2.72	121.74	126.20
14	b	1234	CLA	C4-C3-C5	2.72	119.95	115.23
14	B	1217	CLA	O2A-CGA-CBA	2.72	122.60	114.00
14	b	1209	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	A	1117	CLA	CAC-C3C-C4C	2.72	128.33	124.79
14	a	1107	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	H	1221	CLA	C3C-C4C-NC	2.72	113.91	110.43
14	A	1114	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
14	a	1135	CLA	C3D-C4D-ND	2.72	114.41	109.99
14	G	1138	CLA	CMA-C3A-C4A	2.72	119.08	111.77
14	G	1117	CLA	CAC-C3C-C4C	2.72	128.33	124.79
14	V	1501	CLA	CMD-C2D-C3D	-2.72	121.45	127.69
14	a	1140	CLA	C3C-C4C-NC	2.72	113.91	110.43
14	a	1013	CLA	CHB-C4A-NA	2.72	128.32	124.40
14	a	1120	CLA	CMA-C3A-C4A	2.72	119.08	111.77
18	b	4014	BCR	C33-C5-C4	2.72	119.39	113.60
14	B	1021	CLA	C3D-C4D-ND	2.72	114.40	109.99
14	a	1112	CLA	CAA-CBA-CGA	-2.72	105.49	113.21
14	B	1217	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	G	1102	CLA	C3D-C4D-ND	2.72	114.40	109.99
18	B	4014	BCR	C33-C5-C4	2.72	119.39	113.60
14	A	1120	CLA	CMA-C3A-C4A	2.72	119.07	111.77
14	A	1127	CLA	O2D-CGD-O1D	-2.71	118.56	123.85
14	B	1234	CLA	C3D-C4D-ND	2.71	114.40	109.99
18	G	4003	BCR	C15-C14-C13	-2.71	123.47	127.28
14	b	1224	CLA	C1-C2-C3	-2.71	121.75	126.20
14	B	1222	CLA	C4-C3-C5	2.71	119.94	115.23
14	G	1127	CLA	CMC-C2C-C1C	2.71	129.27	125.03
15	H	1238	F6C	C3D-C4D-ND	2.71	114.40	109.93
14	A	1105	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	H	1222	CLA	C4-C3-C5	2.71	119.94	115.23
14	H	1234	CLA	C4-C3-C5	2.71	119.94	115.23
14	H	1021	CLA	C3D-C4D-ND	2.71	114.39	109.99
15	a	1121	F6C	CHA-C4D-ND	2.71	135.64	133.05
14	G	1108	CLA	CMA-C3A-C4A	2.71	119.06	111.77
14	a	1108	CLA	CMA-C3A-C4A	2.71	119.06	111.77
14	b	1205	CLA	C2B-C1B-NB	2.71	113.14	110.33
14	b	1217	CLA	C3C-C4C-NC	2.71	113.90	110.43
14	b	1021	CLA	C3D-C4D-ND	2.71	114.39	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	H	4014	BCR	C33-C5-C4	2.71	119.37	113.60
14	a	1106	CLA	O1D-CGD-CBD	-2.71	119.17	124.52
14	H	1231	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	B	1226	CLA	C4B-C3B-C2B	-2.71	103.93	107.30
14	H	1217	CLA	CMB-C2B-C1B	2.71	129.54	125.42
14	B	1202	CLA	C3D-C4D-ND	2.71	114.39	109.99
14	H	1234	CLA	C3D-C4D-ND	2.71	114.39	109.99
14	B	1234	CLA	C4-C3-C5	2.71	119.93	115.23
14	b	1217	CLA	O2A-CGA-CBA	2.71	122.56	114.00
14	a	1105	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	a	1115	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	H	1209	CLA	CMB-C2B-C1B	2.71	129.54	125.42
14	G	1118	CLA	C3C-C4C-NC	2.71	113.90	110.43
15	a	1121	F6C	C3D-C4D-ND	2.71	114.39	109.93
14	B	1217	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	A	1105	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	a	1107	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	a	1114	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
14	A	1108	CLA	CMA-C3A-C4A	2.70	119.04	111.77
14	b	1225	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	a	1116	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
14	B	1225	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
14	B	1209	CLA	CMB-C2B-C1B	2.70	129.53	125.42
15	A	1121	F6C	C3D-C4D-ND	2.70	114.38	109.93
14	G	1106	CLA	O1D-CGD-CBD	-2.70	119.19	124.52
14	G	1105	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
15	G	1121	F6C	C3D-C4D-ND	2.70	114.38	109.93
14	H	1217	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	A	1116	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
18	L	4019	BCR	C12-C13-C14	-2.70	114.76	119.01
14	H	1202	CLA	C3D-C4D-ND	2.70	114.37	109.99
14	B	1235	CLA	C4D-C3D-CAD	2.70	111.04	108.11
14	G	1115	CLA	C4D-C3D-CAD	2.70	111.04	108.11
14	G	1138	CLA	CBA-CAA-C2A	2.70	121.82	113.79
14	A	1115	CLA	C4D-C3D-CAD	2.70	111.04	108.11
14	b	1226	CLA	C4-C3-C5	2.70	119.91	115.23
14	G	1116	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
14	G	1127	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
15	b	1219	F6C	CHB-C4A-C3A	-2.70	119.88	125.49
14	b	1221	CLA	C3C-C4C-NC	2.70	113.88	110.43
14	a	1138	CLA	CBA-CAA-C2A	2.70	121.81	113.79
14	B	1224	CLA	C1-C2-C3	-2.70	121.78	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1138	CLA	CBA-CAA-C2A	2.69	121.81	113.79
14	G	1107	CLA	C3D-C4D-ND	2.69	114.37	109.99
14	B	1023	CLA	CHC-C1C-C2C	-2.69	119.29	126.95
14	b	1235	CLA	C4-C3-C5	2.69	119.90	115.23
14	B	1205	CLA	C2B-C1B-NB	2.69	113.12	110.33
14	a	1101	CLA	CMA-C3A-C4A	2.69	119.01	111.77
14	B	1239	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	b	1023	CLA	CHC-C1C-C2C	-2.69	119.30	126.95
14	b	1202	CLA	C3D-C4D-ND	2.69	114.36	109.99
14	A	1141	CLA	CMB-C2B-C1B	2.69	129.52	125.42
16	a	2001	PQN	C11-C12-C13	-2.69	122.20	126.83
18	K	4001	BCR	C19-C18-C17	2.69	123.24	119.01
16	A	2001	PQN	C11-C12-C13	-2.69	122.20	126.83
14	G	1118	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	A	1106	CLA	O1D-CGD-CBD	-2.69	119.22	124.52
14	b	1225	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
14	G	1101	CLA	C3C-C4C-NC	2.69	113.87	110.43
14	H	1232	CLA	CMC-C2C-C1C	2.69	129.23	125.03
14	H	1217	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	H	1023	CLA	CHC-C1C-C2C	-2.69	119.31	126.95
18	k	4001	BCR	C19-C18-C17	2.69	123.23	119.01
15	B	1230	F6C	CHA-C1A-C2A	-2.69	123.19	130.41
14	H	1205	CLA	C2B-C1B-NB	2.69	113.11	110.33
14	G	1101	CLA	CMA-C3A-C4A	2.69	118.99	111.77
16	G	2001	PQN	C11-C12-C13	-2.69	122.20	126.83
14	a	1123	CLA	C1-O2A-CGA	2.69	123.15	116.65
14	H	1225	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
14	a	1105	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
18	U	4019	BCR	C12-C13-C14	-2.68	114.79	119.01
14	A	1107	CLA	C3D-C4D-ND	2.68	114.35	109.99
14	G	1105	CLA	CMD-C2D-C3D	-2.68	121.54	127.69
15	b	1238	F6C	CMC-C2C-C1C	2.68	129.50	125.42
14	A	1101	CLA	CMA-C3A-C4A	2.68	118.98	111.77
14	A	1135	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	a	1110	CLA	CMB-C2B-C3B	2.68	132.85	126.55
14	A	1105	CLA	CMD-C2D-C3D	-2.68	121.54	127.69
14	b	1225	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	b	1215	CLA	C1-C2-C3	-2.68	121.81	126.20
14	b	1227	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	b	1232	CLA	CMC-C2C-C1C	2.68	129.22	125.03
18	A	4002	BCR	C30-C25-C24	2.68	122.91	115.65
18	G	4002	BCR	C30-C25-C24	2.68	122.91	115.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1105	CLA	CMD-C2D-C3D	-2.68	121.55	127.69
14	A	1118	CLA	CMC-C2C-C1C	2.68	129.22	125.03
14	H	1225	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	b	1213	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	G	1110	CLA	CMB-C2B-C3B	2.68	132.84	126.55
14	H	1226	CLA	CMC-C2C-C3C	2.68	133.39	126.15
14	G	1133	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	A	1110	CLA	CMB-C2B-C3B	2.68	132.84	126.55
15	H	1230	F6C	CHA-C1A-C2A	-2.68	123.22	130.41
14	H	1222	CLA	C3D-C4D-ND	2.68	114.33	109.99
14	G	1101	CLA	CAA-C2A-C3A	-2.67	105.77	113.00
15	H	1237	F6C	CHA-C1A-C2A	-2.67	123.22	130.41
14	A	1130	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	a	1129	CLA	C3C-C4C-NC	2.67	113.86	110.43
14	B	1214	CLA	CMA-C3A-C4A	2.67	118.96	111.77
14	G	1135	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	B	1226	CLA	C4-C3-C5	2.67	119.87	115.23
14	B	1232	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	l	1501	CLA	CMA-C3A-C4A	2.67	118.96	111.77
14	a	1101	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
14	a	1130	CLA	C3D-C4D-ND	2.67	114.33	109.99
15	b	1230	F6C	CHA-C1A-C2A	-2.67	123.22	130.41
14	G	1118	CLA	C1-C2-C3	-2.67	121.82	126.20
14	H	1213	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	B	1235	CLA	C4-C3-C5	2.67	119.87	115.23
14	H	1239	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	H	1203	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
14	B	1213	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	a	1133	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	G	1012	CLA	OBD-CAD-C3D	-2.67	122.17	128.42
14	B	1217	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	H	1235	CLA	C4-C3-C5	2.67	119.86	115.23
14	a	1139	CLA	C4D-C3D-CAD	2.67	111.01	108.11
14	b	1214	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	A	1118	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	a	1141	CLA	CMB-C2B-C1B	2.67	129.48	125.42
14	G	1123	CLA	C1-O2A-CGA	2.67	123.11	116.65
14	A	1101	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
18	a	4002	BCR	C30-C25-C24	2.67	122.89	115.65
14	A	1133	CLA	C2B-C1B-NB	2.67	113.09	110.33
14	H	1226	CLA	C4-C3-C5	2.67	119.86	115.23
14	A	1129	CLA	C3C-C4C-NC	2.67	113.85	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1104	CLA	CAA-C2A-C3A	-2.67	105.79	113.00
14	A	1123	CLA	C1-O2A-CGA	2.67	123.11	116.65
14	B	1226	CLA	CMC-C2C-C3C	2.67	133.37	126.15
14	b	1023	CLA	CAC-C3C-C2C	-2.67	122.66	127.56
14	A	1012	CLA	OBD-CAD-C3D	-2.67	122.18	128.42
14	B	1214	CLA	CMC-C2C-C1C	2.67	129.20	125.03
14	G	1102	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	B	1229	CLA	O2A-C1-C2	2.67	118.37	108.11
14	a	1102	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	A	1013	CLA	CMC-C2C-C1C	2.67	129.20	125.03
14	a	1101	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	b	1229	CLA	O2A-C1-C2	2.67	118.37	108.11
14	a	1013	CLA	CMC-C2C-C1C	2.67	129.20	125.03
14	a	1119	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	A	1102	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	a	1124	CLA	C3D-C4D-ND	2.67	114.32	109.99
14	b	1214	CLA	CMA-C3A-C4A	2.66	118.93	111.77
14	H	1229	CLA	O2A-C1-C2	2.66	118.36	108.11
14	B	1215	CLA	C1-C2-C3	-2.66	121.83	126.20
15	b	1237	F6C	CHA-C1A-C2A	-2.66	123.25	130.41
14	B	1225	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	G	1013	CLA	CMC-C2C-C1C	2.66	129.20	125.03
14	A	1133	CLA	C3D-C4D-ND	2.66	114.32	109.99
14	G	1131	CLA	CMB-C2B-C1B	2.66	129.47	125.42
14	L	1501	CLA	CMA-C3A-C4A	2.66	118.93	111.77
14	b	1226	CLA	CMC-C2C-C3C	2.66	133.35	126.15
15	B	1237	F6C	CHA-C1A-C2A	-2.66	123.25	130.41
14	B	1203	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
14	b	1203	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
14	G	1141	CLA	CMB-C2B-C1B	2.66	129.47	125.42
13	a	1011	CL0	C2B-C1B-NB	2.66	113.08	110.33
15	B	1238	F6C	CMC-C2C-C1C	2.66	129.47	125.42
14	G	1130	CLA	C3D-C4D-ND	2.66	114.31	109.99
14	U	1501	CLA	CMA-C3A-C4A	2.66	118.92	111.77
18	T	4001	BCR	C19-C18-C17	2.66	123.19	119.01
18	T	4001	BCR	C24-C23-C22	-2.66	122.30	126.23
15	B	1238	F6C	CHA-C1A-C2A	-2.66	123.27	130.41
14	a	1115	CLA	O1D-CGD-CBD	-2.66	119.28	124.52
18	A	4003	BCR	C24-C23-C22	-2.66	122.31	126.23
14	H	1224	CLA	CAA-C2A-C3A	-2.66	105.82	113.00
14	b	1222	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	H	1214	CLA	CMA-C3A-C4A	2.65	118.91	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1012	CLA	OBD-CAD-C3D	-2.65	122.21	128.42
14	B	1225	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	A	1118	CLA	C1-C2-C3	-2.65	121.85	126.20
14	a	1118	CLA	CMC-C2C-C1C	2.65	129.18	125.03
21	A	6002	LMT	O5B-C5B-C4B	2.65	114.48	109.70
14	b	1224	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
14	a	1118	CLA	C3C-C4C-NC	2.65	113.83	110.43
14	a	1131	CLA	CMB-C2B-C1B	2.65	129.46	125.42
14	G	1129	CLA	C3C-C4C-NC	2.65	113.83	110.43
18	a	4003	BCR	C24-C23-C22	-2.65	122.31	126.23
15	H	1238	F6C	CHA-C1A-C2A	-2.65	123.28	130.41
14	A	1129	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	B	1224	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
14	A	1131	CLA	CMB-C2B-C1B	2.65	129.46	125.42
14	A	1104	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
15	b	1238	F6C	CHA-C1A-C2A	-2.65	123.28	130.41
14	A	1101	CLA	C3C-C4C-NC	2.65	113.83	110.43
14	A	1115	CLA	O1D-CGD-CBD	-2.65	119.29	124.52
14	a	1012	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	a	1107	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	a	1129	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	b	1233	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	G	1119	CLA	CMB-C2B-C3B	2.65	132.78	126.55
14	B	1208	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	G	1115	CLA	O1D-CGD-CBD	-2.65	119.29	124.52
19	l	5102	LHG	O8-C23-C24	2.65	119.91	111.83
14	G	1124	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	b	1205	CLA	C4D-C3D-CAD	2.65	110.98	108.11
14	H	1211	CLA	C3C-C4C-NC	2.65	113.82	110.43
14	H	1208	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	K	1401	CLA	CMB-C2B-C1B	2.65	129.45	125.42
14	A	1124	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	G	1134	CLA	C3C-C4C-NC	2.65	113.82	110.43
18	K	4001	BCR	C24-C23-C22	-2.65	122.32	126.23
14	B	1023	CLA	CAC-C3C-C2C	-2.65	122.69	127.56
18	G	4003	BCR	C24-C23-C22	-2.65	122.32	126.23
14	G	1105	CLA	CMC-C2C-C1C	2.65	129.17	125.03
14	a	1105	CLA	CMC-C2C-C1C	2.65	129.17	125.03
14	H	1225	CLA	C3C-C4C-NC	2.65	113.82	110.43
14	A	1141	CLA	C4D-C3D-CAD	2.65	110.98	108.11
14	G	1133	CLA	C2B-C1B-NB	2.65	113.07	110.33
19	L	5102	LHG	O8-C23-C24	2.65	119.90	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	U	5102	LHG	O8-C23-C24	2.65	119.90	111.83
14	a	1118	CLA	C1-C2-C3	-2.65	121.86	126.20
14	B	1233	CLA	C3D-C4D-ND	2.64	114.29	109.99
14	G	1129	CLA	C3D-C4D-ND	2.64	114.29	109.99
14	a	1137	CLA	C3D-C4D-ND	2.64	114.29	109.99
14	T	1401	CLA	CMB-C2B-C1B	2.64	129.45	125.42
14	A	1119	CLA	CMB-C2B-C3B	2.64	132.77	126.55
14	B	1222	CLA	C3D-C4D-ND	2.64	114.28	109.99
14	a	1132	CLA	C3D-C4D-ND	2.64	114.28	109.99
14	H	1215	CLA	C1-C2-C3	-2.64	121.87	126.20
14	k	1401	CLA	CMB-C2B-C1B	2.64	129.44	125.42
14	b	1226	CLA	CAA-C2A-C3A	-2.64	105.86	113.00
14	a	1128	CLA	CAA-C2A-C3A	-2.64	105.86	113.00
14	K	1401	CLA	C3D-C4D-ND	2.64	114.28	109.99
13	a	1011	CL0	C1-O2A-CGA	2.64	123.05	116.65
14	a	1104	CLA	CAA-C2A-C3A	-2.64	105.86	113.00
14	B	1211	CLA	C3C-C4C-NC	2.64	113.81	110.43
15	H	1238	F6C	CMC-C2C-C1C	2.64	129.44	125.42
21	l	6101	LMT	C1B-O5B-C5B	2.64	118.88	113.72
14	A	1139	CLA	C4D-C3D-CAD	2.64	110.97	108.11
18	k	4001	BCR	C24-C23-C22	-2.64	122.33	126.23
14	b	1239	CLA	CMC-C2C-C3C	2.64	133.29	126.15
14	G	1139	CLA	C4D-C3D-CAD	2.64	110.97	108.11
14	k	1401	CLA	C3D-C4D-ND	2.64	114.28	109.99
14	G	1132	CLA	O1D-CGD-CBD	-2.64	119.31	124.52
14	A	1117	CLA	CBA-CAA-C2A	2.64	121.64	113.79
14	a	1117	CLA	CBA-CAA-C2A	2.64	121.64	113.79
14	A	1105	CLA	CMC-C2C-C1C	2.64	129.16	125.03
21	G	6004	LMT	C1'-O5'-C5'	-2.64	108.57	113.72
14	H	1233	CLA	C3D-C4D-ND	2.64	114.27	109.99
14	A	1012	CLA	C3D-C4D-ND	2.64	114.27	109.99
14	H	1023	CLA	CAC-C3C-C2C	-2.64	122.72	127.56
14	G	1117	CLA	CBA-CAA-C2A	2.64	121.64	113.79
14	T	1401	CLA	C3D-C4D-ND	2.64	114.27	109.99
14	H	1239	CLA	CMC-C2C-C3C	2.64	133.28	126.15
14	B	1239	CLA	CMC-C2C-C3C	2.63	133.28	126.15
14	A	1127	CLA	C3D-C4D-ND	2.63	114.27	109.99
18	b	4006	BCR	C36-C18-C17	-2.63	118.55	122.82
14	G	1114	CLA	C3D-C4D-ND	2.63	114.27	109.99
14	H	1220	CLA	CAA-C2A-C3A	-2.63	105.88	113.00
14	B	1226	CLA	CAA-C2A-C3A	-2.63	105.88	113.00
14	a	1131	CLA	CMC-C2C-C1C	2.63	129.15	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
21	a	6002	LMT	O5B-C5B-C4B	2.63	114.44	109.70
14	a	1133	CLA	C2B-C1B-NB	2.63	113.06	110.33
21	U	6101	LMT	C1B-O5B-C5B	2.63	118.86	113.72
14	A	1128	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
14	G	1125	CLA	CHD-C4C-C3C	-2.63	120.94	124.77
14	a	1013	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	a	1122	CLA	C1-C2-C3	-2.63	121.89	126.20
14	H	1201	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	H	1226	CLA	CAA-C2A-C3A	-2.63	105.90	113.00
14	H	1021	CLA	C1-C2-C3	-2.63	121.89	126.20
14	G	1138	CLA	CED-O2D-CGD	2.63	121.87	115.92
14	A	1114	CLA	C3D-C4D-ND	2.63	114.26	109.99
14	A	1134	CLA	C3C-C4C-NC	2.63	113.79	110.43
14	G	1119	CLA	O2D-CGD-O1D	-2.63	118.74	123.85
14	a	1134	CLA	C3D-C4D-ND	2.63	114.25	109.99
14	G	1128	CLA	CAA-C2A-C3A	-2.63	105.91	113.00
14	M	1501	CLA	CMB-C2B-C1B	2.63	129.42	125.42
13	G	1011	CL0	C1-O2A-CGA	2.62	123.00	116.65
14	B	1205	CLA	C4D-C3D-CAD	2.62	110.96	108.11
14	b	1222	CLA	CAA-C2A-C1A	-2.62	103.38	111.97
15	H	1219	F6C	C4-C3-C5	2.62	119.78	115.23
14	b	1201	CLA	C3C-C4C-NC	2.62	113.79	110.43
14	H	1222	CLA	CAA-C2A-C1A	-2.62	103.38	111.97
14	A	1132	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	B	1222	CLA	CAA-C2A-C1A	-2.62	103.38	111.97
14	A	1137	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	G	1012	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	b	1208	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	b	1211	CLA	C3C-C4C-NC	2.62	113.79	110.43
21	G	6002	LMT	O5B-C5B-C4B	2.62	114.42	109.70
14	a	1119	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
14	A	1122	CLA	C1-C2-C3	-2.62	121.90	126.20
14	B	1220	CLA	CAA-C2A-C3A	-2.62	105.92	113.00
14	H	1214	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	G	1137	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	A	1119	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
13	A	1011	CL0	C1-O2A-CGA	2.62	122.99	116.65
13	A	1011	CL0	C2B-C1B-NB	2.62	113.04	110.33
14	G	1013	CLA	C3C-C4C-NC	2.62	113.78	110.43
18	L	4019	BCR	C8-C9-C10	-2.62	114.89	119.01
18	l	4019	BCR	C8-C9-C10	-2.62	114.89	119.01
14	a	1101	CLA	CMC-C2C-C1C	2.62	129.13	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	G	1011	CL0	C2B-C1B-NB	2.62	113.04	110.33
14	G	1122	CLA	C1-C2-C3	-2.62	121.91	126.20
14	V	1501	CLA	CMB-C2B-C1B	2.62	129.41	125.42
14	G	1123	CLA	C4D-C3D-CAD	2.62	110.95	108.11
14	A	1138	CLA	CED-O2D-CGD	2.62	121.85	115.92
14	A	1108	CLA	C3C-C4C-NC	2.62	113.78	110.43
14	A	1132	CLA	O1D-CGD-CBD	-2.62	119.36	124.52
18	H	4006	BCR	C36-C18-C17	-2.62	118.58	122.82
14	G	1127	CLA	C3D-C4D-ND	2.62	114.24	109.99
14	a	1106	CLA	C4-C3-C5	2.62	119.77	115.23
21	L	6101	LMT	C1B-O5B-C5B	2.62	118.83	113.72
14	G	1106	CLA	C4-C3-C5	2.62	119.77	115.23
18	a	4006	BCR	C33-C5-C4	2.62	119.17	113.60
14	a	1108	CLA	C3C-C4C-NC	2.62	113.78	110.43
14	B	1021	CLA	C1-C2-C3	-2.61	121.91	126.20
14	G	1132	CLA	C3D-C4D-ND	2.61	114.24	109.99
21	A	6004	LMT	C1'-O5'-C5'	-2.61	108.62	113.72
14	A	1125	CLA	CHD-C4C-C3C	-2.61	120.96	124.77
18	B	4006	BCR	C36-C18-C17	-2.61	118.58	122.82
14	A	1131	CLA	CMC-C2C-C1C	2.61	129.12	125.03
14	A	1013	CLA	C3C-C4C-NC	2.61	113.78	110.43
14	a	1132	CLA	O1D-CGD-CBD	-2.61	119.37	124.52
21	a	6002	LMT	C1'-O5'-C5'	-2.61	108.62	113.72
14	a	1125	CLA	CHD-C4C-C3C	-2.61	120.97	124.77
14	H	1223	CLA	CMB-C2B-C3B	2.61	132.69	126.55
14	a	1138	CLA	CED-O2D-CGD	2.61	121.84	115.92
14	B	1201	CLA	C3C-C4C-NC	2.61	113.77	110.43
14	a	1119	CLA	C3C-C4C-NC	2.61	113.77	110.43
18	H	4009	BCR	C1-C6-C7	2.61	122.73	115.65
14	b	1240	CLA	CED-O2D-CGD	2.61	121.84	115.92
14	G	1131	CLA	CMC-C2C-C1C	2.61	129.11	125.03
14	A	1101	CLA	CMC-C2C-C1C	2.61	129.11	125.03
14	b	1021	CLA	C1-C2-C3	-2.61	121.92	126.20
18	G	4004	BCR	C38-C26-C27	2.61	119.16	113.60
15	B	1219	F6C	C4-C3-C5	2.61	119.75	115.23
14	b	1220	CLA	CAA-C2A-C3A	-2.61	105.95	113.00
14	a	1117	CLA	C1D-ND-C4D	-2.61	104.48	106.31
14	m	1501	CLA	C3C-C4C-NC	2.61	113.77	110.43
18	U	4022	BCR	C35-C13-C12	2.61	122.07	118.09
21	a	6004	LMT	C1'-O5'-C5'	-2.61	108.63	113.72
14	H	1205	CLA	C4D-C3D-CAD	2.61	110.94	108.11
18	A	4006	BCR	C33-C5-C4	2.61	119.15	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1127	CLA	C3D-C4D-ND	2.60	114.22	109.99
14	G	1108	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	G	1133	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	V	1501	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	A	1123	CLA	C4D-C3D-CAD	2.60	110.94	108.11
14	A	1106	CLA	C4-C3-C5	2.60	119.75	115.23
18	L	4022	BCR	C35-C13-C12	2.60	122.06	118.09
21	l	6002	LMT	C3B-C4B-C5B	-2.60	105.51	110.23
18	G	4006	BCR	C33-C5-C4	2.60	119.15	113.60
14	a	1134	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	H	1214	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
14	A	1134	CLA	C3D-C4D-ND	2.60	114.22	109.99
14	A	1133	CLA	C3C-C4C-NC	2.60	113.76	110.43
21	A	6002	LMT	C1'-O5'-C5'	-2.60	108.64	113.72
14	G	1141	CLA	C4D-C3D-CAD	2.60	110.93	108.11
21	G	6002	LMT	C1'-O5'-C5'	-2.60	108.64	113.72
14	b	1214	CLA	CAA-C2A-C3A	-2.60	105.98	113.00
21	L	6002	LMT	C3B-C4B-C5B	-2.60	105.52	110.23
14	G	1134	CLA	C3D-C4D-ND	2.60	114.21	109.99
14	a	1108	CLA	O1D-CGD-CBD	-2.60	119.39	124.52
14	G	1106	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	B	1240	CLA	CED-O2D-CGD	2.60	121.81	115.92
14	m	1501	CLA	CMB-C2B-C1B	2.60	129.37	125.42
14	B	1214	CLA	CAA-C2A-C3A	-2.60	105.98	113.00
18	B	4009	BCR	C1-C6-C7	2.60	122.69	115.65
14	b	1232	CLA	CMD-C2D-C3D	-2.60	121.73	127.69
14	H	1236	CLA	CHD-C4C-C3C	-2.60	120.99	124.77
14	H	1232	CLA	CMD-C2D-C3D	-2.60	121.74	127.69
14	A	1117	CLA	C1D-ND-C4D	-2.60	104.49	106.31
14	b	1223	CLA	CMB-C2B-C3B	2.60	132.65	126.55
18	G	4002	BCR	C19-C18-C17	2.60	123.09	119.01
14	a	1114	CLA	C3D-C4D-ND	2.59	114.20	109.99
18	A	4004	BCR	C38-C26-C27	2.59	119.13	113.60
14	H	1240	CLA	CED-O2D-CGD	2.59	121.80	115.92
14	a	1141	CLA	C4D-C3D-CAD	2.59	110.92	108.11
18	m	4021	BCR	C30-C25-C26	-2.59	119.09	122.64
15	H	1237	F6C	CHA-C4D-ND	2.59	135.53	133.05
14	B	1223	CLA	CMB-C2B-C3B	2.59	132.65	126.55
14	G	1106	CLA	C3D-C4D-ND	2.59	114.20	109.99
14	A	1108	CLA	O1D-CGD-CBD	-2.59	119.41	124.52
14	G	1108	CLA	O1D-CGD-CBD	-2.59	119.41	124.52
18	H	4017	BCR	C23-C24-C25	-2.59	120.08	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	l	4022	BCR	C35-C13-C12	2.59	122.04	118.09
14	G	1101	CLA	CMC-C2C-C1C	2.59	129.08	125.03
20	i	5006	LMG	O6-C5-C6	2.59	112.85	106.44
14	b	1233	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	G	1141	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	A	1136	CLA	C3D-C4D-ND	2.59	114.19	109.99
18	U	4019	BCR	C8-C9-C10	-2.59	114.94	119.01
18	B	4017	BCR	C23-C24-C25	-2.59	120.09	127.00
18	b	4009	BCR	C1-C6-C7	2.59	122.67	115.65
14	H	1220	CLA	C3D-C4D-ND	2.59	114.19	109.99
21	L	6101	LMT	C4B-C3B-C2B	2.59	115.37	110.83
18	b	4017	BCR	C23-C24-C25	-2.58	120.09	127.00
18	a	4004	BCR	C38-C26-C27	2.58	119.11	113.60
14	a	1138	CLA	C1-O2A-CGA	2.58	122.91	116.65
14	M	1501	CLA	C3C-C4C-NC	2.58	113.74	110.43
14	b	1217	CLA	CMC-C2C-C1C	2.58	129.07	125.03
18	a	4002	BCR	C19-C18-C17	2.58	123.07	119.01
14	a	1136	CLA	C3D-C4D-ND	2.58	114.19	109.99
18	V	4021	BCR	C30-C25-C26	-2.58	119.11	122.64
14	a	1141	CLA	C3C-C4C-NC	2.58	113.74	110.43
20	I	5006	LMG	O6-C5-C6	2.58	112.84	106.44
14	a	1103	CLA	O2A-C1-C2	2.58	118.04	108.11
14	A	1119	CLA	C3C-C4C-NC	2.58	113.74	110.43
14	A	1141	CLA	C3C-C4C-NC	2.58	113.74	110.43
14	A	1103	CLA	O2A-C1-C2	2.58	118.04	108.11
15	b	1219	F6C	C4-C3-C5	2.58	119.71	115.23
14	A	1106	CLA	C3D-C4D-ND	2.58	114.18	109.99
21	U	6002	LMT	C3B-C4B-C5B	-2.58	105.56	110.23
14	B	1232	CLA	CMD-C2D-C3D	-2.58	121.78	127.69
14	H	1233	CLA	C4D-C3D-CAD	2.58	110.91	108.11
14	a	1106	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	b	1236	CLA	CHD-C4C-C3C	-2.58	121.02	124.77
21	l	6101	LMT	C4B-C3B-C2B	2.58	115.36	110.83
18	A	4003	BCR	C23-C24-C25	-2.58	120.11	127.00
14	G	1136	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	G	1109	CLA	CMD-C2D-C3D	-2.58	121.78	127.69
18	M	4021	BCR	C30-C25-C26	-2.58	119.11	122.64
14	b	1021	CLA	C6-C5-C3	-2.58	107.19	113.47
14	H	1209	CLA	C4D-C3D-CAD	2.58	110.90	108.11
14	B	1217	CLA	CMC-C2C-C1C	2.58	129.06	125.03
18	a	4003	BCR	C23-C24-C25	-2.58	120.12	127.00
14	H	1208	CLA	CMB-C2B-C3B	2.58	132.61	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1129	CLA	CMC-C2C-C1C	2.57	129.06	125.03
14	G	1103	CLA	O2A-C1-C2	2.57	118.01	108.11
18	G	4003	BCR	C23-C24-C25	-2.57	120.12	127.00
14	A	1120	CLA	C3D-C4D-ND	2.57	114.17	109.99
15	b	1237	F6C	CHA-C4D-ND	2.57	135.51	133.05
20	R	5006	LMG	O6-C5-C6	2.57	112.81	106.44
14	b	1227	CLA	CMC-C2C-C1C	2.57	129.05	125.03
14	A	1109	CLA	CMD-C2D-C3D	-2.57	121.79	127.69
14	a	1116	CLA	CAA-CBA-CGA	-2.57	105.91	113.21
18	b	4009	BCR	C33-C5-C4	2.57	119.08	113.60
14	B	1208	CLA	CMB-C2B-C3B	2.57	132.60	126.55
14	a	1101	CLA	CMB-C2B-C1B	2.57	129.33	125.42
14	H	1227	CLA	CMC-C2C-C1C	2.57	129.05	125.03
14	G	1138	CLA	C1-O2A-CGA	2.57	122.87	116.65
14	B	1227	CLA	CMC-C2C-C1C	2.57	129.05	125.03
14	B	1210	CLA	C1-O2A-CGA	2.57	122.87	116.65
14	B	1236	CLA	CHD-C4C-C3C	-2.57	121.03	124.77
14	A	1138	CLA	C1-O2A-CGA	2.57	122.86	116.65
14	B	1209	CLA	C4D-C3D-CAD	2.57	110.89	108.11
14	B	1021	CLA	C6-C5-C3	-2.57	107.22	113.47
14	b	1210	CLA	C1-O2A-CGA	2.57	122.86	116.65
14	b	1206	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	l	1501	CLA	C1-O2A-CGA	2.57	122.86	116.65
14	G	1119	CLA	C3C-C4C-NC	2.57	113.72	110.43
14	B	1202	CLA	CMB-C2B-C3B	2.57	132.59	126.55
14	G	1116	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	a	1127	CLA	CMB-C2B-C3B	2.57	132.58	126.55
14	H	1202	CLA	CMC-C2C-C1C	2.56	129.04	125.03
14	G	1116	CLA	CAC-C3C-C4C	2.56	128.12	124.79
18	A	4002	BCR	C19-C18-C17	2.56	123.04	119.01
14	B	1206	CLA	C3D-C4D-ND	2.56	114.15	109.99
14	A	1129	CLA	CMC-C2C-C1C	2.56	129.04	125.03
14	b	1202	CLA	CMB-C2B-C3B	2.56	132.58	126.55
14	A	1117	CLA	CMA-C3A-C4A	2.56	118.66	111.77
14	G	1116	CLA	CAA-CBA-CGA	-2.56	105.94	113.21
14	a	1103	CLA	C1-O2A-CGA	2.56	122.85	116.65
14	A	1136	CLA	CMC-C2C-C1C	2.56	129.04	125.03
18	b	4005	BCR	C19-C18-C17	2.56	123.04	119.01
14	G	1117	CLA	CMA-C3A-C4A	2.56	118.66	111.77
14	G	1103	CLA	CAC-C3C-C4C	2.56	128.12	124.79
14	A	1116	CLA	CAA-CBA-CGA	-2.56	105.94	113.21
21	U	6101	LMT	C4B-C3B-C2B	2.56	115.32	110.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1501	CLA	C1-O2A-CGA	2.56	122.84	116.65
14	a	1133	CLA	C3C-C4C-NC	2.56	113.71	110.43
14	G	1129	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	H	1210	CLA	C4C-C3C-C2C	-2.56	103.17	106.89
14	H	1021	CLA	C6-C5-C3	-2.56	107.24	113.47
18	B	4009	BCR	C33-C5-C4	2.56	119.05	113.60
14	B	1220	CLA	C3D-C4D-ND	2.56	114.14	109.99
14	a	1120	CLA	C3D-C4D-ND	2.56	114.14	109.99
14	L	1501	CLA	C1-O2A-CGA	2.56	122.84	116.65
21	a	6002	LMT	O1B-C4'-C5'	-2.56	102.77	109.48
14	A	1103	CLA	C1-O2A-CGA	2.56	122.84	116.65
14	a	1103	CLA	CAC-C3C-C4C	2.56	128.12	124.79
15	b	1219	F6C	OMB-CMB-C2B	-2.56	119.85	125.62
14	A	1116	CLA	C3D-C4D-ND	2.56	114.14	109.99
14	A	1101	CLA	CMB-C2B-C1B	2.56	129.31	125.42
14	B	1235	CLA	OBD-CAD-C3D	-2.56	122.44	128.42
14	b	1236	CLA	C4-C3-C5	2.56	119.66	115.23
14	a	1109	CLA	CMD-C2D-C3D	-2.56	121.83	127.69
14	H	1202	CLA	CMB-C2B-C3B	2.56	132.56	126.55
14	A	1103	CLA	CAC-C3C-C4C	2.55	128.11	124.79
14	b	1229	CLA	CMB-C2B-C3B	2.55	132.56	126.55
14	B	1236	CLA	C4-C3-C5	2.55	119.66	115.23
14	a	1116	CLA	CAC-C3C-C4C	2.55	128.11	124.79
14	b	1208	CLA	CMB-C2B-C3B	2.55	132.56	126.55
14	B	1233	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	b	1023	CLA	C3D-C4D-ND	2.55	114.14	109.99
14	b	1209	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	G	1117	CLA	CMB-C2B-C3B	2.55	132.55	126.55
21	b	6001	LMT	C3'-C4'-C5'	-2.55	105.27	110.93
14	H	1210	CLA	C1-O2A-CGA	2.55	122.83	116.65
14	G	1120	CLA	C3D-C4D-ND	2.55	114.13	109.99
14	a	1117	CLA	CMA-C3A-C4A	2.55	118.63	111.77
14	G	1103	CLA	C1-O2A-CGA	2.55	122.83	116.65
14	H	1213	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	a	1123	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	H	1234	CLA	CMB-C2B-C1B	2.55	129.30	125.42
14	G	1117	CLA	C1D-ND-C4D	-2.55	104.52	106.31
14	B	1202	CLA	CMC-C2C-C1C	2.55	129.02	125.03
21	A	6002	LMT	O1B-C4'-C5'	-2.55	102.79	109.48
14	A	1127	CLA	CMB-C2B-C3B	2.55	132.55	126.55
18	B	4005	BCR	C19-C18-C17	2.55	123.02	119.01
14	G	1127	CLA	CMB-C2B-C3B	2.55	132.54	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1235	CLA	OBD-CAD-C3D	-2.55	122.46	128.42
14	H	1206	CLA	C3D-C4D-ND	2.55	114.13	109.99
14	G	1129	CLA	CMB-C2B-C3B	2.55	132.54	126.55
21	B	6001	LMT	C3'-C4'-C5'	-2.55	105.28	110.93
14	b	1228	CLA	C3D-C4D-ND	2.55	114.13	109.99
14	b	1234	CLA	CMB-C2B-C1B	2.55	129.30	125.42
18	H	4009	BCR	C33-C5-C4	2.55	119.02	113.60
14	b	1204	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	G	1113	CLA	C3C-C4C-NC	2.54	113.69	110.43
14	A	1129	CLA	CMB-C2B-C3B	2.54	132.53	126.55
14	H	1217	CLA	CMC-C2C-C1C	2.54	129.01	125.03
14	b	1235	CLA	OBD-CAD-C3D	-2.54	122.47	128.42
14	b	1210	CLA	C4C-C3C-C2C	-2.54	103.19	106.89
14	H	1204	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	G	1116	CLA	C3C-C4C-NC	2.54	113.69	110.43
14	G	1124	CLA	C3C-C4C-NC	2.54	113.69	110.43
14	b	1202	CLA	CMC-C2C-C1C	2.54	129.01	125.03
14	B	1229	CLA	CMB-C2B-C3B	2.54	132.53	126.55
14	l	1501	CLA	C2B-C1B-NB	2.54	112.96	110.33
15	B	1219	F6C	OMB-CMB-C2B	-2.54	119.88	125.62
14	A	1116	CLA	CAC-C3C-C4C	2.54	128.10	124.79
21	H	6001	LMT	C3'-C4'-C5'	-2.54	105.30	110.93
14	A	1106	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	H	1023	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	a	1116	CLA	C3D-C4D-ND	2.54	114.12	109.99
14	B	1234	CLA	CMB-C2B-C1B	2.54	129.29	125.42
14	B	1213	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	b	1213	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	b	1023	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	b	1220	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	a	1136	CLA	CMC-C2C-C1C	2.54	129.00	125.03
14	a	1116	CLA	C3C-C4C-NC	2.54	113.68	110.43
14	H	1236	CLA	C3D-C4D-ND	2.54	114.11	109.99
21	G	6002	LMT	O1B-C4'-C5'	-2.54	102.82	109.48
14	G	1136	CLA	CMC-C2C-C1C	2.54	129.00	125.03
14	G	1111	CLA	CAA-CBA-CGA	-2.54	106.00	113.21
14	B	1023	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	b	1236	CLA	C3D-C4D-ND	2.54	114.11	109.99
18	A	4002	BCR	C37-C22-C21	-2.54	118.71	122.82
14	H	1224	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	B	1228	CLA	CAC-C3C-C4C	2.54	128.09	124.79
18	G	4002	BCR	C36-C18-C17	-2.54	118.71	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1023	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	B	1210	CLA	C4C-C3C-C2C	-2.54	103.20	106.89
14	H	1236	CLA	C4-C3-C5	2.54	119.63	115.23
14	H	1218	CLA	O2D-CGD-O1D	-2.54	118.91	123.85
14	a	1117	CLA	CMB-C2B-C3B	2.54	132.51	126.55
14	b	1203	CLA	C3C-C4C-NC	2.54	113.68	110.43
14	B	1226	CLA	C3D-C4D-ND	2.54	114.11	109.99
15	B	1237	F6C	CHA-C4D-ND	2.53	135.47	133.05
14	B	1205	CLA	C3D-C4D-ND	2.53	114.11	109.99
18	H	4017	BCR	C35-C13-C12	2.53	121.96	118.09
14	B	1236	CLA	C3D-C4D-ND	2.53	114.11	109.99
14	H	1239	CLA	C6-C5-C3	-2.53	107.30	113.47
14	b	1239	CLA	C6-C5-C3	-2.53	107.30	113.47
14	A	1117	CLA	CMB-C2B-C3B	2.53	132.51	126.55
14	a	1129	CLA	CMB-C2B-C3B	2.53	132.51	126.55
14	A	1117	CLA	C1-O2A-CGA	2.53	122.78	116.65
14	a	1111	CLA	CAA-CBA-CGA	-2.53	106.02	113.21
14	B	1228	CLA	C3D-C4D-ND	2.53	114.10	109.99
14	G	1117	CLA	C1-O2A-CGA	2.53	122.78	116.65
14	b	1228	CLA	CAC-C3C-C4C	2.53	128.09	124.79
18	b	4005	BCR	C36-C18-C17	-2.53	118.71	122.82
14	a	1141	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	A	1113	CLA	C3C-C4C-NC	2.53	113.67	110.43
18	B	4017	BCR	C35-C13-C12	2.53	121.95	118.09
14	A	1111	CLA	CAA-CBA-CGA	-2.53	106.02	113.21
14	a	1106	CLA	C4D-C3D-CAD	2.53	110.86	108.11
14	A	1116	CLA	C3C-C4C-NC	2.53	113.67	110.43
18	G	4002	BCR	C37-C22-C21	-2.53	118.72	122.82
20	b	5002	LMG	O8-C28-C29	2.53	119.55	111.83
14	H	1229	CLA	CMB-C2B-C3B	2.53	132.50	126.55
14	G	1101	CLA	C3D-C4D-ND	2.53	114.10	109.99
14	G	1101	CLA	CMB-C2B-C1B	2.53	129.27	125.42
18	L	4019	BCR	C35-C13-C12	2.53	121.95	118.09
14	H	1205	CLA	C3D-C4D-ND	2.53	114.10	109.99
14	U	1501	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	G	1101	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	a	1117	CLA	C1-O2A-CGA	2.53	122.77	116.65
14	H	1228	CLA	CAC-C3C-C4C	2.53	128.08	124.79
20	B	5002	LMG	O8-C28-C29	2.53	119.54	111.83
14	B	1226	CLA	CHB-C1B-C2B	-2.53	120.09	127.43
14	H	1023	CLA	C3D-C4D-ND	2.53	114.09	109.99
14	H	1226	CLA	C3D-C4D-ND	2.53	114.09	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1239	CLA	C6-C5-C3	-2.53	107.31	113.47
18	a	4006	BCR	C35-C13-C12	2.53	121.95	118.09
14	B	1215	CLA	CMA-C3A-C4A	2.53	118.56	111.77
14	B	1204	CLA	C4D-C3D-CAD	2.53	110.85	108.11
15	H	1219	F6C	OMB-CMB-C2B	-2.53	119.92	125.62
14	b	1206	CLA	CAA-C2A-C3A	-2.52	106.18	113.00
20	H	5002	LMG	O8-C28-C29	2.52	119.53	111.83
14	b	1215	CLA	CMA-C3A-C4A	2.52	118.56	111.77
14	A	1141	CLA	CMC-C2C-C1C	2.52	128.98	125.03
14	a	1106	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	H	1214	CLA	O1D-CGD-CBD	-2.52	119.54	124.52
14	b	1214	CLA	O1D-CGD-CBD	-2.52	119.54	124.52
14	a	1138	CLA	O2A-C1-C2	2.52	117.81	108.11
21	b	6003	LMT	O5'-C1'-O1'	-2.52	104.08	110.04
14	H	1226	CLA	CHB-C1B-C2B	-2.52	120.11	127.43
14	H	1214	CLA	C4D-C3D-CAD	2.52	110.84	108.11
18	l	4019	BCR	C35-C13-C12	2.52	121.94	118.09
14	A	1138	CLA	O2A-C1-C2	2.52	117.81	108.11
14	b	1205	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	H	1023	CLA	CBC-CAC-C3C	2.52	119.25	112.42
14	B	1208	CLA	C4-C3-C5	2.52	119.60	115.23
14	b	1203	CLA	CMC-C2C-C1C	2.52	128.97	125.03
14	H	1228	CLA	C3D-C4D-ND	2.52	114.08	109.99
18	H	4005	BCR	C19-C18-C17	2.52	122.97	119.01
18	b	4014	BCR	C19-C18-C17	2.52	122.97	119.01
14	A	1124	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	B	1218	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
14	H	1215	CLA	CMA-C3A-C4A	2.52	118.54	111.77
18	b	4014	BCR	C36-C18-C17	-2.52	118.74	122.82
14	G	1138	CLA	O2A-C1-C2	2.52	117.80	108.11
14	H	1234	CLA	C4C-C3C-C2C	-2.52	103.23	106.89
14	l	1503	CLA	C3C-C4C-NC	2.52	113.65	110.43
14	B	1224	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	A	1101	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	A	1131	CLA	C3D-C4D-ND	2.52	114.08	109.99
15	b	1238	F6C	CMA-C3A-C2A	-2.52	119.34	126.15
21	m	6000	LMT	C3'-C4'-C5'	-2.52	105.35	110.93
14	A	1106	CLA	C3C-C4C-NC	2.52	113.65	110.43
14	M	1501	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	B	1214	CLA	O1D-CGD-CBD	-2.51	119.56	124.52
14	a	1120	CLA	CMB-C2B-C3B	2.51	132.46	126.55
14	A	1111	CLA	C3D-C4D-ND	2.51	114.07	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	1501	CLA	CMC-C2C-C1C	2.51	128.96	125.03
14	H	1203	CLA	CMC-C2C-C1C	2.51	128.96	125.03
14	b	1222	CLA	C3C-C4C-NC	2.51	113.65	110.43
14	B	1206	CLA	CAA-C2A-C3A	-2.51	106.21	113.00
14	A	1139	CLA	CMA-C3A-C4A	2.51	118.53	111.77
14	H	1232	CLA	CAC-C3C-C4C	2.51	128.06	124.79
14	G	1139	CLA	CMA-C3A-C4A	2.51	118.52	111.77
18	b	4017	BCR	C35-C13-C12	2.51	121.92	118.09
14	B	1023	CLA	CBC-CAC-C3C	2.51	119.23	112.42
14	H	1208	CLA	C4-C3-C5	2.51	119.59	115.23
21	B	6003	LMT	O5'-C1'-O1'	-2.51	104.11	110.04
14	b	1232	CLA	CAC-C3C-C4C	2.51	128.06	124.79
14	B	1203	CLA	CMC-C2C-C1C	2.51	128.96	125.03
14	a	1101	CLA	CMD-C2D-C3D	-2.51	121.93	127.69
21	M	6000	LMT	C3'-C4'-C5'	-2.51	105.37	110.93
14	m	1501	CLA	C3D-C4D-ND	2.51	114.06	109.99
14	G	1124	CLA	C4-C3-C5	2.51	119.58	115.23
14	b	1226	CLA	CHB-C1B-C2B	-2.51	120.14	127.43
18	B	4005	BCR	C36-C18-C17	-2.51	118.75	122.82
14	a	1139	CLA	CMA-C3A-C4A	2.51	118.51	111.77
14	b	1218	CLA	O2D-CGD-O1D	-2.51	118.97	123.85
14	B	1205	CLA	CBA-CAA-C2A	2.51	121.25	113.79
14	G	1114	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	b	1226	CLA	C3D-C4D-ND	2.51	114.06	109.99
21	V	6000	LMT	C3'-C4'-C5'	-2.51	105.37	110.93
14	G	1106	CLA	C3C-C4C-NC	2.51	113.64	110.43
14	a	1101	CLA	O1D-CGD-CBD	-2.51	119.58	124.52
18	A	4002	BCR	C36-C18-C17	-2.51	118.76	122.82
18	a	4002	BCR	C37-C22-C21	-2.51	118.76	122.82
14	L	1501	CLA	C2B-C1B-NB	2.51	112.92	110.33
14	A	1101	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	a	1012	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	a	1138	CLA	CAC-C3C-C4C	2.50	128.05	124.79
14	a	1124	CLA	C4-C3-C5	2.50	119.58	115.23
14	H	1222	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	a	1124	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	B	1232	CLA	CAC-C3C-C4C	2.50	128.05	124.79
14	A	1101	CLA	O1D-CGD-CBD	-2.50	119.58	124.52
14	H	1205	CLA	CBA-CAA-C2A	2.50	121.24	113.79
14	a	1110	CLA	C4D-C3D-CAD	2.50	110.83	108.11
14	H	1206	CLA	CAA-C2A-C3A	-2.50	106.23	113.00
14	L	1503	CLA	C3C-C4C-NC	2.50	113.64	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	1502	CLA	CMC-C2C-C1C	2.50	128.95	125.03
14	G	1120	CLA	CMB-C2B-C3B	2.50	132.44	126.55
14	b	1023	CLA	CBC-CAC-C3C	2.50	119.21	112.42
14	B	1234	CLA	C4C-C3C-C2C	-2.50	103.25	106.89
15	b	1207	F6C	C1-C2-C3	-2.50	122.10	126.20
14	A	1106	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
14	G	1138	CLA	CAC-C3C-C4C	2.50	128.05	124.79
14	b	1205	CLA	CBA-CAA-C2A	2.50	121.24	113.79
14	G	1111	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	b	1224	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	l	1501	CLA	CMC-C2C-C1C	2.50	128.94	125.03
14	a	1113	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	G	1141	CLA	CMC-C2C-C1C	2.50	128.94	125.03
18	U	4019	BCR	C35-C13-C12	2.50	121.91	118.09
14	A	1114	CLA	CMD-C2D-C3D	-2.50	121.95	127.69
14	V	1501	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	A	1120	CLA	CMB-C2B-C3B	2.50	132.43	126.55
14	B	1205	CLA	CMC-C2C-C1C	2.50	128.94	125.03
14	b	1214	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	G	1131	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	a	1101	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	a	1131	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	A	1103	CLA	CMC-C2C-C1C	2.50	128.94	125.03
14	B	1222	CLA	C3C-C4C-NC	2.50	113.63	110.43
14	G	1103	CLA	CMB-C2B-C3B	2.50	132.43	126.55
15	B	1238	F6C	CMA-C3A-C2A	-2.50	119.39	126.15
14	G	1138	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	G	1106	CLA	CAA-C2A-C3A	-2.50	106.25	113.00
14	B	1203	CLA	C3C-C4C-NC	2.50	113.63	110.43
14	A	1124	CLA	C4-C3-C5	2.50	119.56	115.23
14	B	1227	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	b	1227	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	A	1138	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	a	1113	CLA	CMC-C2C-C1C	2.50	128.94	125.03
14	a	1103	CLA	CMB-C2B-C3B	2.50	132.43	126.55
18	A	4006	BCR	C35-C13-C12	2.50	121.90	118.09
14	b	1234	CLA	C4C-C3C-C2C	-2.50	103.26	106.89
14	H	1208	CLA	CAA-C2A-C3A	-2.50	106.25	113.00
14	a	1111	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	b	1208	CLA	C4-C3-C5	2.50	119.56	115.23
21	H	6003	LMT	O5'-C1'-O1'	-2.50	104.14	110.04
18	a	4002	BCR	C36-C18-C17	-2.50	118.77	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1227	CLA	C3D-C4D-ND	2.50	114.05	109.99
14	a	1103	CLA	CMC-C2C-C1C	2.50	128.94	125.03
14	a	1138	CLA	O2D-CGD-O1D	-2.50	118.99	123.85
14	G	1101	CLA	O1D-CGD-CBD	-2.50	119.59	124.52
15	H	1207	F6C	C1-C2-C3	-2.50	122.11	126.20
14	A	1110	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	A	1112	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	G	1112	CLA	C3D-C4D-ND	2.49	114.04	109.99
15	B	1207	F6C	C1-C2-C3	-2.49	122.11	126.20
14	L	1502	CLA	C1-O2A-CGA	2.49	122.69	116.65
14	A	1103	CLA	CMB-C2B-C3B	2.49	132.42	126.55
14	G	1103	CLA	CMC-C2C-C1C	2.49	128.93	125.03
14	a	1113	CLA	CMB-C2B-C1B	2.49	129.22	125.42
14	B	1214	CLA	C3D-C4D-ND	2.49	114.04	109.99
18	H	4005	BCR	C36-C18-C17	-2.49	118.78	122.82
14	H	1235	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	A	1138	CLA	CAC-C3C-C4C	2.49	128.03	124.79
14	G	1136	CLA	C4-C3-C5	2.49	119.55	115.23
14	A	1139	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	H	1209	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	B	1214	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	H	1240	CLA	C3D-C4D-ND	2.49	114.03	109.99
14	B	1235	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	b	1235	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	a	1106	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
14	b	1208	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
14	H	1203	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	G	1113	CLA	CMC-C2C-C1C	2.49	128.92	125.03
14	a	1139	CLA	C3D-C4D-ND	2.49	114.03	109.99
14	G	1139	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	b	1206	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	U	1502	CLA	CMC-C2C-C1C	2.49	128.92	125.03
18	B	4014	BCR	C19-C18-C17	2.49	122.92	119.01
14	H	1214	CLA	C3D-C4D-ND	2.49	114.03	109.99
14	G	1122	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	A	1113	CLA	CMC-C2C-C1C	2.49	128.92	125.03
14	b	1022	CLA	O2A-CGA-CBA	2.49	119.42	111.83
15	H	1238	F6C	CMA-C3A-C2A	-2.49	119.42	126.15
14	A	1012	CLA	C3C-C4C-NC	2.49	113.61	110.43
14	B	1209	CLA	C3C-C4C-NC	2.49	113.61	110.43
14	a	1114	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
14	U	1501	CLA	C2B-C1B-NB	2.49	112.90	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	1502	CLA	C4-C3-C5	2.49	119.54	115.23
16	b	2002	PQN	C11-C12-C13	-2.49	122.55	126.83
14	G	1113	CLA	CMB-C2B-C1B	2.49	129.20	125.42
14	A	1126	CLA	C3D-C4D-ND	2.48	114.03	109.99
14	G	1139	CLA	C3D-C4D-ND	2.48	114.03	109.99
14	a	1128	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	B	1208	CLA	CAA-C2A-C3A	-2.48	106.28	113.00
18	B	4014	BCR	C36-C18-C17	-2.48	118.79	122.82
18	H	4014	BCR	C36-C18-C17	-2.48	118.79	122.82
14	B	1022	CLA	O2A-CGA-CBA	2.48	119.41	111.83
14	a	1112	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	b	1214	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	a	1117	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	H	1226	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	G	1012	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	H	1233	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	a	1122	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	A	1138	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	G	1138	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	b	1210	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
14	H	1022	CLA	O2A-CGA-CBA	2.48	119.40	111.83
14	b	1205	CLA	CMC-C2C-C1C	2.48	128.91	125.03
16	B	2002	PQN	C11-C12-C13	-2.48	122.56	126.83
14	b	1211	CLA	CMB-C2B-C3B	2.48	132.38	126.55
16	H	2002	PQN	C11-C12-C13	-2.48	122.56	126.83
14	l	1502	CLA	CAA-C2A-C3A	-2.48	106.30	113.00
14	H	1205	CLA	CMC-C2C-C1C	2.48	128.91	125.03
14	A	1112	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	b	1209	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	L	1502	CLA	CMC-C2C-C1C	2.48	128.91	125.03
14	b	1220	CLA	C4-C3-C5	2.48	119.53	115.23
14	U	1502	CLA	C1-O2A-CGA	2.48	122.65	116.65
14	B	1209	CLA	CMC-C2C-C1C	2.48	128.91	125.03
14	a	1118	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	H	1211	CLA	CMB-C2B-C3B	2.48	132.38	126.55
14	a	1138	CLA	C3D-C4D-ND	2.48	114.01	109.99
14	A	1128	CLA	C3C-C4C-NC	2.48	113.60	110.43
14	B	1240	CLA	O1D-CGD-CBD	-2.48	119.63	124.52
14	b	1209	CLA	CMC-C2C-C1C	2.48	128.90	125.03
14	A	1136	CLA	C4-C3-C5	2.48	119.53	115.23
14	L	1502	CLA	C4-C3-C5	2.48	119.53	115.23
14	G	1126	CLA	C3D-C4D-ND	2.48	114.01	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1227	CLA	CMD-C2D-C3D	-2.48	122.01	127.69
14	H	1210	CLA	O1D-CGD-CBD	-2.48	119.64	124.52
19	U	5101	LHG	C5-O7-C7	-2.47	111.87	117.80
14	l	1502	CLA	C1-O2A-CGA	2.47	122.64	116.65
14	A	1122	CLA	C3C-C4C-NC	2.47	113.60	110.43
14	H	1212	CLA	CAC-C3C-C4C	2.47	128.01	124.79
14	U	1502	CLA	CAA-C2A-C3A	-2.47	106.31	113.00
14	A	1117	CLA	CHC-C1C-C2C	-2.47	119.92	126.95
14	B	1226	CLA	CHC-C1C-C2C	-2.47	119.92	126.95
18	H	4014	BCR	C19-C18-C17	2.47	122.90	119.01
14	L	1502	CLA	CAA-C2A-C3A	-2.47	106.32	113.00
14	G	1128	CLA	C3C-C4C-NC	2.47	113.60	110.43
14	b	1218	CLA	C4D-C3D-CAD	2.47	110.79	108.11
14	H	1234	CLA	CAC-C3C-C4C	2.47	128.00	124.79
14	G	1117	CLA	CHC-C1C-C2C	-2.47	119.93	126.95
14	b	1226	CLA	CHC-C1C-C2C	-2.47	119.93	126.95
14	B	1227	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	B	1240	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	U	1503	CLA	C3C-C4C-NC	2.47	113.59	110.43
14	a	1115	CLA	C4-C3-C2	-2.47	117.28	123.63
14	a	1112	CLA	C4D-C3D-CAD	2.47	110.79	108.11
14	U	1502	CLA	C4-C3-C5	2.47	119.51	115.23
14	l	1501	CLA	C4-C3-C5	2.47	119.51	115.23
14	B	1210	CLA	O1D-CGD-CBD	-2.47	119.65	124.52
14	B	1211	CLA	CMB-C2B-C3B	2.47	132.36	126.55
14	G	1108	CLA	CMB-C2B-C3B	2.47	132.35	126.55
14	a	1112	CLA	CMB-C2B-C3B	2.47	132.35	126.55
14	b	1021	CLA	CHD-C1D-ND	-2.47	121.33	124.80
18	G	4006	BCR	C35-C13-C12	2.47	121.86	118.09
14	H	1217	CLA	CMA-C3A-C4A	2.47	118.40	111.77
14	b	1021	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	H	1206	CLA	C3C-C4C-NC	2.47	113.59	110.43
14	H	1209	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	a	1108	CLA	CMB-C2B-C3B	2.47	132.35	126.55
14	G	1123	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	A	1112	CLA	C4-C3-C5	2.47	119.51	115.23
14	B	1220	CLA	C4-C3-C5	2.47	119.51	115.23
14	H	1021	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	a	1138	CLA	C4-C3-C5	2.47	119.51	115.23
14	L	1501	CLA	C4-C3-C5	2.46	119.51	115.23
14	H	1229	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
14	b	1240	CLA	O1D-CGD-CBD	-2.46	119.66	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1212	CLA	CAC-C3C-C4C	2.46	128.00	124.79
18	A	4002	BCR	C23-C22-C21	2.46	122.89	119.01
18	G	4002	BCR	C23-C22-C21	2.46	122.88	119.01
14	A	1139	CLA	C3D-C4D-ND	2.46	113.99	109.99
14	A	1138	CLA	C4-C3-C5	2.46	119.50	115.23
15	b	1207	F6C	CHD-C1D-ND	-2.46	120.60	124.31
14	H	1240	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
14	a	1126	CLA	C3D-C4D-ND	2.46	113.99	109.99
14	B	1236	CLA	CMB-C2B-C1B	2.46	129.17	125.42
14	A	1105	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	A	1102	CLA	C4D-C3D-CAD	2.46	110.78	108.11
18	B	4009	BCR	C35-C13-C12	2.46	121.85	118.09
14	b	1232	CLA	C3D-C4D-ND	2.46	113.99	109.99
14	b	1233	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	H	1220	CLA	C4-C3-C5	2.46	119.50	115.23
14	a	1136	CLA	C4-C3-C5	2.46	119.50	115.23
14	B	1228	CLA	OBD-CAD-C3D	-2.46	122.67	128.42
14	B	1233	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	G	1112	CLA	C4D-C3D-CAD	2.46	110.78	108.11
14	B	1206	CLA	CMC-C2C-C3C	2.46	132.80	126.15
14	G	1110	CLA	C4D-C3D-CAD	2.46	110.78	108.11
14	A	1123	CLA	C3D-C4D-ND	2.46	113.98	109.99
14	b	1227	CLA	CMD-C2D-C3D	-2.46	122.05	127.69
14	G	1118	CLA	C4D-C3D-CAD	2.46	110.78	108.11
18	K	4001	BCR	C3-C4-C5	-2.46	109.67	114.06
14	H	1228	CLA	OBD-CAD-C3D	-2.46	122.67	128.42
14	A	1108	CLA	CMB-C2B-C3B	2.46	132.33	126.55
18	H	4009	BCR	C35-C13-C12	2.46	121.84	118.09
18	T	4001	BCR	C3-C4-C5	-2.46	109.67	114.06
14	B	1021	CLA	CHD-C1D-ND	-2.46	121.35	124.80
14	b	1240	CLA	C3D-C4D-ND	2.46	113.98	109.99
14	b	1220	CLA	CMC-C2C-C1C	2.46	128.87	125.03
14	G	1114	CLA	C4D-C3D-CAD	2.46	110.77	108.11
14	H	1236	CLA	CMB-C2B-C1B	2.46	129.16	125.42
14	B	1021	CLA	CMC-C2C-C1C	2.46	128.87	125.03
14	G	1103	CLA	CAA-CBA-CGA	-2.46	106.24	113.21
14	G	1128	CLA	CMC-C2C-C3C	2.46	132.79	126.15
14	A	1113	CLA	CMB-C2B-C1B	2.45	129.16	125.42
14	U	1501	CLA	C4-C3-C5	2.45	119.49	115.23
14	B	1217	CLA	CMA-C3A-C4A	2.45	118.37	111.77
19	L	5101	LHG	C5-O7-C7	-2.45	111.92	117.80
14	b	1228	CLA	OBD-CAD-C3D	-2.45	122.68	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4009	BCR	C35-C13-C12	2.45	121.83	118.09
14	A	1112	CLA	CMB-C2B-C3B	2.45	132.32	126.55
14	b	1206	CLA	CMC-C2C-C3C	2.45	132.78	126.15
14	B	1234	CLA	CAC-C3C-C4C	2.45	127.98	124.79
14	H	1233	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	B	1206	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	G	1111	CLA	C4D-C3D-CAD	2.45	110.77	108.11
15	B	1238	F6C	CMD-C2D-C3D	-2.45	122.07	127.69
14	a	1112	CLA	C4-C3-C5	2.45	119.48	115.23
14	a	1118	CLA	O1D-CGD-CBD	-2.45	119.69	124.52
14	a	1139	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	A	1115	CLA	C4-C3-C2	-2.45	117.33	123.63
19	l	5101	LHG	C5-O7-C7	-2.45	111.93	117.80
14	a	1013	CLA	CHB-C1B-C2B	-2.45	120.31	127.43
18	G	4002	BCR	C33-C5-C6	-2.45	121.81	124.48
15	H	1238	F6C	CMD-C2D-C3D	-2.45	122.07	127.69
14	b	1217	CLA	CMA-C3A-C4A	2.45	118.35	111.77
18	a	4002	BCR	C23-C22-C21	2.45	122.86	119.01
14	B	1218	CLA	C4D-C3D-CAD	2.45	110.77	108.11
14	A	1103	CLA	CAA-CBA-CGA	-2.45	106.26	113.21
14	H	1224	CLA	C4-C3-C2	-2.45	117.34	123.63
14	A	1114	CLA	C4D-C3D-CAD	2.45	110.76	108.11
14	a	1102	CLA	C4D-C3D-CAD	2.45	110.76	108.11
14	A	1102	CLA	C3C-C4C-NC	2.45	113.56	110.43
14	a	1108	CLA	CMC-C2C-C1C	2.45	128.86	125.03
14	H	1206	CLA	CMC-C2C-C3C	2.45	132.77	126.15
14	G	1102	CLA	C4D-C3D-CAD	2.45	110.76	108.11
14	H	1218	CLA	C4D-C3D-CAD	2.45	110.76	108.11
14	A	1108	CLA	CMC-C2C-C1C	2.45	128.86	125.03
14	T	1401	CLA	OBD-CAD-C3D	-2.45	122.70	128.42
18	k	4001	BCR	C3-C4-C5	-2.45	109.69	114.06
14	b	1218	CLA	CMB-C2B-C3B	2.45	132.30	126.55
14	G	1112	CLA	C4-C3-C5	2.44	119.47	115.23
14	b	1213	CLA	CMB-C2B-C3B	2.44	132.30	126.55
14	A	1118	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	H	1229	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	a	1123	CLA	C3D-C4D-ND	2.44	113.96	109.99
14	k	1401	CLA	OBD-CAD-C3D	-2.44	122.70	128.42
14	b	1233	CLA	CMD-C2D-C3D	-2.44	122.08	127.69
15	H	1207	F6C	CHD-C1D-ND	-2.44	120.63	124.31
14	A	1103	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	M	1501	CLA	C2B-C1B-NB	2.44	112.86	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1115	CLA	C4-C3-C2	-2.44	117.35	123.63
14	A	1128	CLA	CMC-C2C-C3C	2.44	132.76	126.15
14	H	1021	CLA	CHD-C1D-ND	-2.44	121.36	124.80
14	A	1013	CLA	CHB-C1B-C2B	-2.44	120.34	127.43
15	b	1238	F6C	CMD-C2D-C3D	-2.44	122.09	127.69
14	G	1138	CLA	C4-C3-C5	2.44	119.47	115.23
14	B	1220	CLA	CMC-C2C-C1C	2.44	128.85	125.03
14	b	1212	CLA	CAC-C3C-C4C	2.44	127.97	124.79
18	U	4019	BCR	C8-C7-C6	-2.44	120.47	127.00
14	A	1108	CLA	O2D-CGD-O1D	-2.44	119.09	123.85
14	b	1213	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	H	1206	CLA	CHC-C1C-C2C	-2.44	120.01	126.95
14	a	1128	CLA	CMC-C2C-C3C	2.44	132.75	126.15
14	H	1215	CLA	C3D-C4D-ND	2.44	113.95	109.99
14	G	1102	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	A	1137	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	a	1111	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	B	1233	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	m	1501	CLA	C2B-C1B-NB	2.44	112.86	110.33
14	a	1103	CLA	CAA-CBA-CGA	-2.44	106.28	113.21
14	k	1401	CLA	O2D-CGD-O1D	-2.44	119.10	123.85
14	G	1112	CLA	CMB-C2B-C3B	2.44	132.29	126.55
18	a	4002	BCR	C33-C5-C6	-2.44	121.82	124.48
14	B	1229	CLA	O1D-CGD-CBD	-2.44	119.71	124.52
15	B	1207	F6C	CHD-C1D-ND	-2.44	120.64	124.31
14	B	1215	CLA	C3D-C4D-ND	2.44	113.95	109.99
14	G	1013	CLA	CHB-C1B-C2B	-2.44	120.35	127.43
14	K	1401	CLA	OBD-CAD-C3D	-2.44	122.72	128.42
14	a	1105	CLA	C3C-C4C-NC	2.44	113.55	110.43
14	A	1127	CLA	C4-C3-C5	2.43	119.45	115.23
18	L	4019	BCR	C8-C7-C6	-2.43	120.50	127.00
14	B	1204	CLA	CAA-C2A-C3A	-2.43	106.42	113.00
18	l	4019	BCR	C8-C7-C6	-2.43	120.50	127.00
18	H	4014	BCR	C35-C13-C12	2.43	121.81	118.09
14	b	1236	CLA	CMB-C2B-C1B	2.43	129.12	125.42
14	H	1232	CLA	C3D-C4D-ND	2.43	113.94	109.99
14	G	1108	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
14	a	1108	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
14	U	1503	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	b	1234	CLA	CAC-C3C-C4C	2.43	127.95	124.79
21	b	6004	LMT	O5'-C5'-C4'	2.43	114.75	109.72
14	G	1105	CLA	C3C-C4C-NC	2.43	113.54	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	a	1121	F6C	CHC-C1C-C2C	-2.43	120.37	127.43
14	B	1229	CLA	C4D-C3D-CAD	2.43	110.75	108.11
18	l	4022	BCR	C1-C6-C7	2.43	122.24	115.65
14	A	1111	CLA	C4D-C3D-CAD	2.43	110.74	108.11
14	B	1206	CLA	CHC-C1C-C2C	-2.43	120.05	126.95
14	b	1224	CLA	C4-C3-C2	-2.43	117.39	123.63
14	B	1232	CLA	C3D-C4D-ND	2.43	113.93	109.99
14	G	1137	CLA	C3C-C4C-NC	2.43	113.54	110.43
18	l	4019	BCR	C33-C5-C6	-2.43	121.83	124.48
14	B	1218	CLA	CMB-C2B-C3B	2.43	132.26	126.55
14	G	1108	CLA	CMC-C2C-C1C	2.43	128.83	125.03
14	b	1229	CLA	C4D-C3D-CAD	2.43	110.74	108.11
14	B	1224	CLA	C4-C3-C2	-2.43	117.39	123.63
18	V	4021	BCR	C37-C22-C21	-2.43	118.89	122.82
14	G	1126	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	l	1503	CLA	CMA-C3A-C4A	2.43	118.29	111.77
14	K	1401	CLA	O2D-CGD-O1D	-2.43	119.13	123.85
14	a	1122	CLA	C3D-C4D-ND	2.43	113.93	109.99
14	b	1217	CLA	C3D-C4D-ND	2.43	113.93	109.99
14	H	1218	CLA	CMB-C2B-C3B	2.43	132.25	126.55
15	a	1121	F6C	CHA-C1A-C2A	-2.42	123.89	130.41
14	L	1503	CLA	CMA-C3A-C4A	2.42	118.29	111.77
14	G	1120	CLA	C4D-C3D-CAD	2.42	110.74	108.11
18	B	4014	BCR	C35-C13-C12	2.42	121.79	118.09
14	G	1110	CLA	C3C-C4C-NC	2.42	113.53	110.43
14	b	1204	CLA	CAA-C2A-C3A	-2.42	106.45	113.00
14	G	1103	CLA	C4D-C3D-CAD	2.42	110.74	108.11
14	b	1206	CLA	CHC-C1C-C2C	-2.42	120.06	126.95
14	A	1118	CLA	O1D-CGD-CBD	-2.42	119.74	124.52
14	b	1229	CLA	O1D-CGD-CBD	-2.42	119.74	124.52
14	H	1204	CLA	CAA-C2A-C3A	-2.42	106.45	113.00
15	A	1121	F6C	CHA-C1A-C2A	-2.42	123.90	130.41
14	b	1202	CLA	O2A-C1-C2	2.42	117.43	108.11
18	m	4021	BCR	C37-C22-C21	-2.42	118.89	122.82
14	H	1213	CLA	C3C-C4C-NC	2.42	113.53	110.43
15	G	1121	F6C	CHA-C1A-C2A	-2.42	123.90	130.41
14	B	1204	CLA	OBD-CAD-C3D	-2.42	122.76	128.42
14	G	1126	CLA	CHB-C1B-C2B	-2.42	120.40	127.43
14	a	1137	CLA	C3C-C4C-NC	2.42	113.53	110.43
18	A	4002	BCR	C33-C5-C6	-2.42	121.84	124.48
14	T	1401	CLA	O2D-CGD-O1D	-2.42	119.14	123.85
14	b	1215	CLA	C3D-C4D-ND	2.42	113.92	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1120	CLA	C4D-C3D-CAD	2.42	110.73	108.11
14	B	1227	CLA	C4D-C3D-CAD	2.42	110.73	108.11
14	a	1103	CLA	C4D-C3D-CAD	2.42	110.73	108.11
14	A	1122	CLA	C3D-C4D-ND	2.42	113.92	109.99
18	M	4021	BCR	C37-C22-C21	-2.42	118.90	122.82
15	b	1238	F6C	CHD-C1D-ND	-2.42	120.67	124.31
14	H	1220	CLA	CMC-C2C-C1C	2.42	128.81	125.03
15	H	1238	F6C	CHD-C1D-ND	-2.42	120.67	124.31
14	A	1140	CLA	C1-C2-C3	-2.42	122.24	126.20
14	G	1140	CLA	C1-C2-C3	-2.42	122.24	126.20
18	U	4022	BCR	C1-C6-C7	2.42	122.21	115.65
14	G	1132	CLA	C1-O2A-CGA	2.42	122.50	116.65
18	a	4005	BCR	C19-C18-C17	2.42	122.81	119.01
14	a	1135	CLA	CMB-C2B-C3B	2.42	132.24	126.55
14	B	1213	CLA	CMB-C2B-C3B	2.42	132.23	126.55
21	G	6001	LMT	O5'-C5'-C4'	2.42	114.72	109.72
18	b	4014	BCR	C8-C7-C6	-2.42	120.55	127.00
14	b	1211	CLA	O1D-CGD-CBD	-2.42	119.75	124.52
14	G	1128	CLA	CHB-C1B-C2B	-2.42	120.42	127.43
15	G	1121	F6C	CHC-C1C-C2C	-2.42	120.42	127.43
14	G	1135	CLA	CMB-C2B-C3B	2.42	132.23	126.55
14	B	1202	CLA	O2A-C1-C2	2.42	117.40	108.11
14	G	1127	CLA	C4-C3-C5	2.42	119.42	115.23
14	a	1140	CLA	C1-C2-C3	-2.41	122.24	126.20
18	L	4022	BCR	C1-C6-C7	2.41	122.20	115.65
15	A	1121	F6C	CHC-C1C-C2C	-2.41	120.42	127.43
14	A	1141	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	b	1227	CLA	C4D-C3D-CAD	2.41	110.73	108.11
14	A	1132	CLA	C1-O2A-CGA	2.41	122.49	116.65
14	a	1102	CLA	C3C-C4C-NC	2.41	113.52	110.43
18	H	4005	BCR	C33-C5-C4	2.41	118.74	113.60
14	A	1128	CLA	CHB-C1B-C2B	-2.41	120.42	127.43
18	H	4014	BCR	C8-C7-C6	-2.41	120.55	127.00
14	G	1114	CLA	CMA-C3A-C4A	2.41	118.26	111.77
14	a	1127	CLA	C4-C3-C5	2.41	119.42	115.23
18	B	4014	BCR	C8-C7-C6	-2.41	120.56	127.00
14	V	1501	CLA	C2B-C1B-NB	2.41	112.83	110.33
18	B	4005	BCR	C33-C5-C4	2.41	118.74	113.60
14	A	1135	CLA	CMB-C2B-C3B	2.41	132.22	126.55
14	a	1128	CLA	CHB-C1B-C2B	-2.41	120.43	127.43
14	A	1110	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	a	1119	CLA	CED-O2D-CGD	2.41	121.38	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1204	CLA	OBD-CAD-C3D	-2.41	122.79	128.42
21	B	6004	LMT	O5'-C5'-C4'	2.41	114.70	109.72
15	H	1219	F6C	CMD-C2D-C3D	-2.41	122.17	127.69
14	H	1202	CLA	O2A-C1-C2	2.41	117.37	108.11
15	B	1219	F6C	CMD-C2D-C3D	-2.41	122.17	127.69
14	B	1235	CLA	CAA-C2A-C3A	-2.41	106.50	113.00
14	A	1126	CLA	CHB-C1B-C2B	-2.41	120.44	127.43
15	b	1238	F6C	CED-O2D-CGD	2.41	121.37	115.92
14	U	1501	CLA	C3C-C4C-NC	2.41	113.51	110.43
14	A	1114	CLA	CMA-C3A-C4A	2.40	118.23	111.77
21	A	6001	LMT	O5'-C5'-C4'	2.40	114.69	109.72
13	a	1011	CL0	C4-C3-C5	2.40	119.40	115.23
14	a	1132	CLA	C1-O2A-CGA	2.40	122.47	116.65
14	A	1113	CLA	C4D-C3D-CAD	2.40	110.72	108.11
14	b	1023	CLA	CMC-C2C-C3C	2.40	132.65	126.15
15	B	1238	F6C	CHD-C1D-ND	-2.40	120.69	124.31
14	a	1114	CLA	C4D-C3D-CAD	2.40	110.71	108.11
18	b	4014	BCR	C35-C13-C12	2.40	121.76	118.09
14	A	1119	CLA	CED-O2D-CGD	2.40	121.36	115.92
14	b	1204	CLA	OBD-CAD-C3D	-2.40	122.80	128.42
14	L	1501	CLA	C3C-C4C-NC	2.40	113.50	110.43
18	B	4004	BCR	C33-C5-C6	-2.40	121.86	124.48
14	b	1235	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
14	B	1023	CLA	CMC-C2C-C3C	2.40	132.64	126.15
14	B	1211	CLA	O1D-CGD-CBD	-2.40	119.78	124.52
14	H	1023	CLA	CMC-C2C-C3C	2.40	132.64	126.15
14	G	1122	CLA	C3D-C4D-ND	2.40	113.89	109.99
14	H	1215	CLA	CMC-C2C-C1C	2.40	128.78	125.03
14	B	1217	CLA	C3D-C4D-ND	2.40	113.89	109.99
18	A	4005	BCR	C19-C18-C17	2.40	122.78	119.01
14	H	1211	CLA	O1D-CGD-CBD	-2.40	119.79	124.52
14	A	1115	CLA	C3C-C4C-NC	2.40	113.50	110.43
14	a	1126	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
14	G	1118	CLA	O1D-CGD-CBD	-2.40	119.79	124.52
15	b	1219	F6C	CMD-C2D-C3D	-2.40	122.19	127.69
21	a	6001	LMT	O5'-C5'-C4'	2.40	114.68	109.72
14	G	1141	CLA	C3D-C4D-ND	2.40	113.88	109.99
14	H	1235	CLA	CAA-C2A-C3A	-2.40	106.53	113.00
14	a	1112	CLA	C3C-C4C-NC	2.40	113.50	110.43
18	a	4002	BCR	C38-C26-C27	2.40	118.70	113.60
15	b	1207	F6C	OBD-CAD-C3D	-2.40	122.82	128.42
14	B	1213	CLA	C3C-C4C-NC	2.39	113.50	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1213	CLA	CMB-C2B-C3B	2.39	132.18	126.55
15	b	1237	F6C	CMC-C2C-C1C	2.39	129.06	125.42
21	U	6002	LMT	O1B-C1B-C2B	2.39	113.98	108.09
14	B	1235	CLA	CMC-C2C-C1C	2.39	128.77	125.03
14	H	1217	CLA	C3D-C4D-ND	2.39	113.88	109.99
14	a	1130	CLA	C1-C2-C3	-2.39	122.28	126.20
18	L	4019	BCR	C33-C5-C6	-2.39	121.87	124.48
14	H	1235	CLA	C3C-C4C-NC	2.39	113.49	110.43
18	a	4004	BCR	C37-C22-C21	-2.39	118.94	122.82
14	b	1235	CLA	CMC-C2C-C1C	2.39	128.77	125.03
15	G	1121	F6C	CMC-C2C-C3C	2.39	130.69	125.62
14	a	1141	CLA	C3D-C4D-ND	2.39	113.87	109.99
21	H	6004	LMT	O5'-C5'-C4'	2.39	114.67	109.72
14	B	1222	CLA	CMA-C3A-C4A	2.39	118.20	111.77
21	l	6002	LMT	O1B-C1B-C2B	2.39	113.97	108.09
14	B	1235	CLA	C3C-C4C-NC	2.39	113.49	110.43
18	b	4005	BCR	C33-C5-C4	2.39	118.69	113.60
15	B	1237	F6C	CMC-C2C-C1C	2.39	129.06	125.42
14	A	1126	CLA	C3C-C4C-NC	2.39	113.49	110.43
14	a	1114	CLA	CMA-C3A-C4A	2.39	118.19	111.77
14	G	1112	CLA	C3C-C4C-NC	2.39	113.49	110.43
14	B	1215	CLA	CMC-C2C-C1C	2.39	128.76	125.03
14	H	1214	CLA	O2D-CGD-O1D	-2.39	119.20	123.85
15	B	1238	F6C	CED-O2D-CGD	2.39	121.33	115.92
18	G	4002	BCR	C38-C26-C27	2.39	118.68	113.60
14	A	1130	CLA	C1-C2-C3	-2.39	122.29	126.20
14	b	1201	CLA	CMB-C2B-C3B	2.39	132.16	126.55
14	H	1202	CLA	C11-C12-C13	-2.38	108.04	115.97
14	G	1113	CLA	C4D-C3D-CAD	2.38	110.70	108.11
14	H	1222	CLA	CMA-C3A-C4A	2.38	118.18	111.77
14	a	1120	CLA	C4D-C3D-CAD	2.38	110.69	108.11
15	a	1121	F6C	CMC-C2C-C3C	2.38	130.68	125.62
14	B	1214	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	G	1115	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	b	1211	CLA	C1-C2-C3	-2.38	122.29	126.20
18	H	4004	BCR	C33-C5-C6	-2.38	121.88	124.48
18	b	4004	BCR	C33-C5-C6	-2.38	121.88	124.48
14	G	1130	CLA	C1-C2-C3	-2.38	122.29	126.20
14	b	1229	CLA	CMD-C2D-C3D	-2.38	122.23	127.69
15	B	1207	F6C	OBD-CAD-C3D	-2.38	122.85	128.42
14	H	1201	CLA	CMB-C2B-C3B	2.38	132.15	126.55
18	G	4005	BCR	C19-C18-C17	2.38	122.75	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1112	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	a	1110	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	b	1214	CLA	CAC-C3C-C4C	2.38	127.89	124.79
14	b	1222	CLA	CMA-C3A-C4A	2.38	118.17	111.77
14	H	1022	CLA	C3D-C4D-ND	2.38	113.86	109.99
14	b	1206	CLA	C4B-C3B-C2B	-2.38	104.34	107.30
14	H	1227	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	A	1134	CLA	CMD-C2D-C3D	-2.38	122.23	127.69
14	G	1134	CLA	CMD-C2D-C3D	-2.38	122.23	127.69
14	H	1235	CLA	CMC-C2C-C1C	2.38	128.75	125.03
14	B	1201	CLA	CMB-C2B-C3B	2.38	132.15	126.55
14	G	1119	CLA	CED-O2D-CGD	2.38	121.31	115.92
21	L	6002	LMT	O1B-C1B-C2B	2.38	113.94	108.09
13	A	1011	CL0	C4-C3-C5	2.38	119.36	115.23
15	H	1237	F6C	CMC-C2C-C1C	2.38	129.04	125.42
14	G	1136	CLA	C1-C2-C3	-2.38	122.30	126.20
14	b	1235	CLA	C3C-C4C-NC	2.38	113.48	110.43
15	H	1238	F6C	CED-O2D-CGD	2.38	121.31	115.92
15	H	1207	F6C	OBD-CAD-C3D	-2.38	122.86	128.42
14	a	1126	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	M	1501	CLA	O2D-CGD-O1D	-2.38	119.22	123.85
18	A	4002	BCR	C38-C26-C27	2.38	118.67	113.60
14	H	1240	CLA	C1-O2A-CGA	2.38	122.40	116.65
15	A	1121	F6C	CMC-C2C-C3C	2.38	130.66	125.62
14	a	1140	CLA	C3D-C4D-ND	2.38	113.85	109.99
18	G	4004	BCR	C37-C22-C21	-2.38	118.97	122.82
14	B	1220	CLA	C3C-C4C-NC	2.37	113.47	110.43
14	b	1215	CLA	CMB-C2B-C3B	2.37	132.13	126.55
14	G	1133	CLA	C4D-C3D-CAD	2.37	110.68	108.11
18	U	4019	BCR	C33-C5-C6	-2.37	121.89	124.48
18	a	4005	BCR	C36-C18-C17	-2.37	118.97	122.82
14	G	1012	CLA	C11-C12-C13	-2.37	108.08	115.97
14	a	1012	CLA	C11-C12-C13	-2.37	108.08	115.97
14	m	1501	CLA	O2D-CGD-O1D	-2.37	119.23	123.85
14	H	1229	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	b	1228	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	l	1501	CLA	C3C-C4C-NC	2.37	113.47	110.43
14	U	1503	CLA	C4-C3-C5	2.37	119.34	115.23
14	B	1240	CLA	C1-O2A-CGA	2.37	122.39	116.65
14	B	1229	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
18	I	4020	BCR	C35-C13-C12	2.37	121.71	118.09
14	b	1202	CLA	C11-C12-C13	-2.37	108.09	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
21	G	6001	LMT	O5'-C5'-C6'	2.37	112.31	106.44
14	a	1126	CLA	CMB-C2B-C3B	2.37	132.12	126.55
14	B	1202	CLA	C11-C12-C13	-2.37	108.09	115.97
14	b	1217	CLA	O1D-CGD-CBD	-2.37	119.85	124.52
14	A	1126	CLA	CMB-C2B-C3B	2.37	132.12	126.55
14	G	1122	CLA	CMA-C3A-C4A	2.37	118.14	111.77
14	A	1012	CLA	C11-C12-C13	-2.37	108.09	115.97
14	a	1115	CLA	C3C-C4C-NC	2.37	113.46	110.43
14	H	1214	CLA	C4-C3-C5	2.37	119.34	115.23
14	H	1215	CLA	CMB-C2B-C3B	2.37	132.12	126.55
14	b	1022	CLA	C3D-C4D-ND	2.37	113.83	109.99
14	a	1134	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	H	1206	CLA	C4B-C3B-C2B	-2.37	104.36	107.30
15	H	1219	F6C	CMC-C2C-C1C	2.37	129.02	125.42
14	B	1228	CLA	CMD-C2D-C3D	-2.37	122.27	127.69
15	b	1238	F6C	OMB-CMB-C2B	-2.36	120.28	125.62
14	b	1208	CLA	C1-C2-C3	-2.36	122.32	126.20
14	b	1215	CLA	CMC-C2C-C1C	2.36	128.73	125.03
14	H	1205	CLA	CHD-C4C-C3C	-2.36	121.33	124.77
14	V	1501	CLA	O2D-CGD-O1D	-2.36	119.25	123.85
14	B	1214	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	H	1022	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	H	1228	CLA	CMD-C2D-C3D	-2.36	122.27	127.69
14	a	1126	CLA	CMC-C2C-C1C	2.36	128.73	125.03
15	B	1238	F6C	OMB-CMB-C2B	-2.36	120.29	125.62
18	A	4004	BCR	C37-C22-C21	-2.36	118.99	122.82
18	G	4005	BCR	C36-C18-C17	-2.36	118.99	122.82
14	H	1208	CLA	C3C-C4C-NC	2.36	113.46	110.43
18	k	4001	BCR	C30-C25-C26	-2.36	119.41	122.64
14	b	1214	CLA	O2D-CGD-O1D	-2.36	119.25	123.85
18	k	4001	BCR	C15-C14-C13	-2.36	123.97	127.28
14	B	1214	CLA	C4-C3-C5	2.36	119.33	115.23
14	A	1136	CLA	C1-C2-C3	-2.36	122.33	126.20
14	b	1220	CLA	C3C-C4C-NC	2.36	113.45	110.43
21	A	6001	LMT	O5'-C5'-C6'	2.36	112.29	106.44
14	a	1113	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	G	1126	CLA	CMB-C2B-C3B	2.36	132.10	126.55
15	B	1219	F6C	CMC-C2C-C1C	2.36	129.01	125.42
14	b	1214	CLA	C4-C3-C5	2.36	119.33	115.23
14	H	1211	CLA	C1-C2-C3	-2.36	122.33	126.20
14	B	1211	CLA	C1-C2-C3	-2.36	122.33	126.20
14	B	1217	CLA	O1D-CGD-CBD	-2.36	119.86	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1117	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
14	G	1117	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
14	a	1132	CLA	C3C-C4C-NC	2.36	113.45	110.43
19	L	5101	LHG	O8-C23-O10	-2.36	117.73	123.63
18	i	4018	BCR	C38-C26-C27	2.36	118.62	113.60
21	a	6001	LMT	O5'-C5'-C6'	2.36	112.28	106.44
14	b	1208	CLA	C3C-C4C-NC	2.36	113.45	110.43
18	A	4005	BCR	C36-C18-C17	-2.36	119.00	122.82
14	H	1223	CLA	C1-O2A-CGA	2.36	122.36	116.65
14	H	1217	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
19	U	5101	LHG	O8-C23-O10	-2.36	117.73	123.63
14	B	1215	CLA	CMB-C2B-C3B	2.36	132.09	126.55
18	K	4001	BCR	C30-C25-C26	-2.36	119.42	122.64
18	l	4019	BCR	C33-C5-C4	2.36	118.62	113.60
18	i	4020	BCR	C35-C13-C12	2.36	121.69	118.09
14	B	1022	CLA	C3D-C4D-ND	2.36	113.82	109.99
14	b	1240	CLA	C1-O2A-CGA	2.36	122.35	116.65
21	b	6004	LMT	C2'-C3'-C4'	2.35	115.03	109.68
18	I	4018	BCR	C38-C26-C27	2.35	118.62	113.60
15	A	1121	F6C	OMB-CMB-C2B	-2.35	120.31	125.62
14	B	1208	CLA	C3C-C4C-NC	2.35	113.45	110.43
14	G	1132	CLA	C3C-C4C-NC	2.35	113.45	110.43
18	R	4020	BCR	C35-C13-C12	2.35	121.68	118.09
14	B	1203	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	A	1132	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	H	1220	CLA	C3C-C4C-NC	2.35	113.44	110.43
15	G	1121	F6C	OMB-CMB-C2B	-2.35	120.31	125.62
18	T	4001	BCR	C30-C25-C26	-2.35	119.42	122.64
14	m	1501	CLA	C5-C3-C4	2.35	120.00	114.59
14	A	1128	CLA	CHC-C1C-C2C	-2.35	120.26	126.95
18	K	4001	BCR	C15-C14-C13	-2.35	123.98	127.28
14	B	1023	CLA	C1-C2-C3	-2.35	122.34	126.20
14	B	1201	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	B	1231	CLA	C4-C3-C5	2.35	119.31	115.23
14	A	1140	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	a	1117	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
14	G	1129	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
14	V	1501	CLA	C5-C3-C4	2.35	120.00	114.59
14	G	1128	CLA	CHC-C1C-C2C	-2.35	120.27	126.95
14	a	1128	CLA	CHC-C1C-C2C	-2.35	120.27	126.95
21	H	6004	LMT	C2'-C3'-C4'	2.35	115.01	109.68
15	b	1237	F6C	OMB-CMB-C2B	-2.35	120.32	125.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1214	CLA	CAC-C3C-C4C	2.35	127.85	124.79
14	b	1221	CLA	CHA-C1A-NA	-2.35	121.07	126.39
18	U	4019	BCR	C4-C5-C6	-2.35	119.53	122.70
14	H	1236	CLA	C4D-C3D-CAD	2.35	110.66	108.11
14	B	1205	CLA	C1-C2-C3	-2.35	122.35	126.20
14	B	1223	CLA	C1-O2A-CGA	2.35	122.33	116.65
13	G	1011	CL0	C4-C3-C5	2.35	119.30	115.23
14	M	1501	CLA	C5-C3-C4	2.35	119.99	114.59
14	G	1140	CLA	C3D-C4D-ND	2.35	113.80	109.99
14	b	1231	CLA	C4-C3-C5	2.35	119.30	115.23
18	R	4018	BCR	C38-C26-C27	2.35	118.60	113.60
14	A	1122	CLA	CMA-C3A-C4A	2.35	118.08	111.77
14	b	1218	CLA	O1D-CGD-CBD	-2.35	119.89	124.52
14	b	1023	CLA	C1-C2-C3	-2.35	122.35	126.20
14	H	1211	CLA	C4-C3-C5	2.35	119.30	115.23
14	H	1228	CLA	CMB-C2B-C3B	2.35	132.07	126.55
14	b	1201	CLA	CMD-C2D-C3D	-2.35	122.31	127.69
14	H	1201	CLA	CMD-C2D-C3D	-2.35	122.31	127.69
14	H	1208	CLA	C4D-C3D-CAD	2.35	110.65	108.11
14	a	1130	CLA	C4-C3-C5	2.34	119.30	115.23
14	A	1129	CLA	CAA-C2A-C3A	-2.34	106.66	113.00
21	a	6001	LMT	O1'-C1'-C2'	2.34	111.83	108.27
21	B	6004	LMT	C2'-C3'-C4'	2.34	115.00	109.68
19	l	5101	LHG	O8-C23-O10	-2.34	117.77	123.63
15	b	1219	F6C	CMC-C2C-C1C	2.34	128.99	125.42
14	a	1136	CLA	C1-C2-C3	-2.34	122.36	126.20
15	a	1121	F6C	OMB-CMB-C2B	-2.34	120.33	125.62
14	B	1022	CLA	C4D-C3D-CAD	2.34	110.65	108.11
14	a	1124	CLA	C4D-C3D-CAD	2.34	110.65	108.11
14	A	1134	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
14	G	1134	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
18	L	4019	BCR	C4-C5-C6	-2.34	119.54	122.70
14	H	1221	CLA	CHA-C1A-NA	-2.34	121.09	126.39
14	H	1222	CLA	CMB-C2B-C3B	2.34	132.05	126.55
18	L	4019	BCR	C33-C5-C4	2.34	118.58	113.60
15	H	1238	F6C	OMB-CMB-C2B	-2.34	120.34	125.62
14	a	1134	CLA	CHB-C1B-C2B	-2.34	120.64	127.43
14	B	1221	CLA	CHA-C1A-NA	-2.34	121.09	126.39
14	H	1205	CLA	C1-C2-C3	-2.34	122.36	126.20
14	b	1228	CLA	CMB-C2B-C3B	2.34	132.05	126.55
14	B	1236	CLA	C4D-C3D-CAD	2.34	110.65	108.11
18	l	4019	BCR	C4-C5-C6	-2.34	119.54	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	H	1237	F6C	OMB-CMB-C2B	-2.34	120.34	125.62
14	B	1208	CLA	C1-C2-C3	-2.34	122.37	126.20
14	b	1203	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	B	1211	CLA	C4-C3-C5	2.34	119.29	115.23
14	B	1205	CLA	CHD-C4C-C3C	-2.34	121.36	124.77
14	A	1133	CLA	C4D-C3D-CAD	2.34	110.64	108.11
14	A	1126	CLA	CMC-C2C-C1C	2.34	128.69	125.03
14	b	1023	CLA	CMA-C3A-C4A	2.34	118.06	111.77
14	L	1503	CLA	C4-C3-C5	2.34	119.28	115.23
15	B	1237	F6C	OMB-CMB-C2B	-2.34	120.35	125.62
14	B	1202	CLA	CMD-C2D-C3D	-2.34	122.33	127.69
14	b	1223	CLA	C1-O2A-CGA	2.34	122.31	116.65
14	a	1122	CLA	O1D-CGD-CBD	-2.34	119.91	124.52
14	B	1206	CLA	C4B-C3B-C2B	-2.34	104.40	107.30
18	M	4021	BCR	C3-C4-C5	-2.34	109.89	114.06
14	H	1208	CLA	C1-C2-C3	-2.34	122.37	126.20
18	U	4019	BCR	C33-C5-C4	2.34	118.58	113.60
14	b	1222	CLA	CMB-C2B-C3B	2.33	132.04	126.55
14	A	1122	CLA	O1D-CGD-CBD	-2.33	119.91	124.52
14	A	1130	CLA	C4-C3-C5	2.33	119.28	115.23
14	b	1205	CLA	C1-C2-C3	-2.33	122.37	126.20
18	b	4010	BCR	C4-C5-C6	-2.33	119.55	122.70
14	b	1213	CLA	CMD-C2D-C3D	-2.33	122.34	127.69
14	B	1228	CLA	CMB-C2B-C3B	2.33	132.04	126.55
14	a	1129	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
14	H	1203	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	a	1122	CLA	CMA-C3A-C4A	2.33	118.04	111.77
14	G	1130	CLA	C4-C3-C5	2.33	119.28	115.23
14	H	1231	CLA	C4-C3-C5	2.33	119.28	115.23
21	A	6001	LMT	O1'-C1'-C2'	2.33	111.81	108.27
14	a	1115	CLA	CMA-C3A-C4A	2.33	118.04	111.77
18	T	4001	BCR	C15-C14-C13	-2.33	124.01	127.28
14	H	1023	CLA	C1-C2-C3	-2.33	122.38	126.20
14	B	1023	CLA	CAA-C2A-C1A	-2.33	104.34	111.97
14	b	1211	CLA	C4-C3-C5	2.33	119.27	115.23
14	G	1122	CLA	O1D-CGD-CBD	-2.33	119.92	124.52
14	B	1204	CLA	O2A-C1-C2	2.33	117.07	108.11
14	b	1234	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
14	H	1202	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	H	1213	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	H	1204	CLA	O2A-C1-C2	2.33	117.07	108.11
14	b	1023	CLA	CAA-C2A-C1A	-2.33	104.34	111.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1208	CLA	C4D-C3D-CAD	2.33	110.64	108.11
14	a	1120	CLA	O1D-CGD-CBD	-2.33	119.93	124.52
14	H	1234	CLA	CAA-C2A-C3A	-2.33	106.71	113.00
14	a	1102	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	B	1218	CLA	O1D-CGD-CBD	-2.33	119.93	124.52
14	b	1204	CLA	O2A-C1-C2	2.33	117.06	108.11
14	B	1214	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	a	1109	CLA	C3D-C4D-ND	2.33	113.77	109.99
14	H	1023	CLA	CAA-C2A-C1A	-2.33	104.35	111.97
14	B	1222	CLA	CMB-C2B-C3B	2.33	132.02	126.55
14	b	1229	CLA	C3C-C4C-NC	2.33	113.41	110.43
14	B	1234	CLA	CAA-C2A-C3A	-2.33	106.72	113.00
14	B	1023	CLA	CMA-C3A-C4A	2.33	118.02	111.77
14	G	1115	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	a	1133	CLA	C4D-C3D-CAD	2.32	110.63	108.11
14	B	1213	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	H	1233	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
14	A	1102	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	A	1115	CLA	CMA-C3A-C4A	2.32	118.01	111.77
14	b	1214	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	B	1229	CLA	C3C-C4C-NC	2.32	113.40	110.43
14	B	1240	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	b	1212	CLA	CHC-C1C-C2C	-2.32	120.35	126.95
14	B	1204	CLA	C4-C3-C5	2.32	119.26	115.23
14	l	1503	CLA	C4-C3-C5	2.32	119.26	115.23
14	H	1212	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	G	1102	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	a	1115	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	b	1202	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	A	1115	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	a	1131	CLA	C3C-C4C-NC	2.32	113.40	110.43
18	H	4010	BCR	C4-C5-C6	-2.32	119.57	122.70
19	A	5002	LHG	O4-P-O5	2.32	119.86	110.83
14	H	1023	CLA	CMA-C3A-C4A	2.32	118.00	111.77
14	H	1214	CLA	CMD-C2D-C3D	-2.32	122.38	127.69
14	b	1228	CLA	C4D-C3D-CAD	2.32	110.62	108.11
18	B	4010	BCR	C4-C5-C6	-2.31	119.58	122.70
14	B	1212	CLA	CHC-C1C-C2C	-2.31	120.37	126.95
21	G	6001	LMT	O1'-C1'-C2'	2.31	111.79	108.27
14	H	1204	CLA	C4-C3-C5	2.31	119.25	115.23
14	A	1129	CLA	O1D-CGD-CBD	-2.31	119.95	124.52
14	b	1240	CLA	CMD-C2D-C3D	-2.31	122.38	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	V	4021	BCR	C3-C4-C5	-2.31	109.93	114.06
14	A	1120	CLA	O1D-CGD-CBD	-2.31	119.96	124.52
19	G	5002	LHG	O4-P-O5	2.31	119.85	110.83
19	a	5002	LHG	O4-P-O5	2.31	119.85	110.83
14	A	1129	CLA	C4D-C3D-CAD	2.31	110.62	108.11
14	A	1131	CLA	C3C-C4C-NC	2.31	113.39	110.43
14	H	1229	CLA	C3C-C4C-NC	2.31	113.39	110.43
14	G	1120	CLA	O1D-CGD-CBD	-2.31	119.96	124.52
14	G	1138	CLA	CMD-C2D-C3D	-2.31	122.39	127.69
14	b	1236	CLA	C4D-C3D-CAD	2.31	110.62	108.11
18	I	4018	BCR	C37-C22-C21	-2.31	119.07	122.82
14	G	1117	CLA	CAA-C2A-C1A	-2.31	104.40	111.97
14	A	1124	CLA	C4D-C3D-CAD	2.31	110.61	108.11
14	a	1117	CLA	CAA-C2A-C1A	-2.31	104.41	111.97
14	G	1126	CLA	CMC-C2C-C1C	2.31	128.64	125.03
14	G	1124	CLA	C4D-C3D-CAD	2.31	110.61	108.11
18	m	4021	BCR	C3-C4-C5	-2.31	109.94	114.06
14	B	1212	CLA	C3D-C4D-ND	2.31	113.74	109.99
14	G	1115	CLA	CMA-C3A-C4A	2.31	117.97	111.77
14	b	1022	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
14	b	1022	CLA	C4D-C3D-CAD	2.31	110.61	108.11
14	H	1218	CLA	O1D-CGD-CBD	-2.31	119.97	124.52
14	b	1212	CLA	CMD-C2D-C3D	-2.31	122.40	127.69
14	b	1204	CLA	C4-C3-C5	2.31	119.23	115.23
14	a	1114	CLA	CHC-C1C-C2C	-2.31	120.40	126.95
14	A	1117	CLA	CAA-C2A-C1A	-2.30	104.42	111.97
14	G	1128	CLA	C3D-C4D-ND	2.30	113.73	109.99
14	H	1212	CLA	C3D-C4D-ND	2.30	113.73	109.99
14	a	1129	CLA	O1D-CGD-CBD	-2.30	119.98	124.52
14	B	1216	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
14	H	1216	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
14	H	1234	CLA	C1-C2-C3	-2.30	122.42	126.20
14	B	1233	CLA	O2D-CGD-O1D	-2.30	119.37	123.85
14	G	1114	CLA	CHC-C1C-C2C	-2.30	120.41	126.95
14	a	1129	CLA	C4D-C3D-CAD	2.30	110.61	108.11
14	b	1208	CLA	C4D-C3D-CAD	2.30	110.61	108.11
21	a	6001	LMT	C1'-O5'-C5'	2.30	118.22	113.72
14	A	1013	CLA	CBA-CAA-C2A	2.30	120.64	113.79
14	H	1022	CLA	C4C-C3C-C2C	-2.30	103.54	106.89
18	i	4018	BCR	C37-C22-C21	-2.30	119.09	122.82
14	H	1240	CLA	CMD-C2D-C3D	-2.30	122.41	127.69
14	A	1114	CLA	CHC-C1C-C2C	-2.30	120.41	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1122	CLA	C4C-C3C-C2C	-2.30	103.55	106.89
14	a	1122	CLA	C4C-C3C-C2C	-2.30	103.55	106.89
14	H	1209	CLA	CAC-C3C-C4C	2.30	127.78	124.79
15	b	1207	F6C	C11-C10-C8	-2.30	108.32	115.97
18	l	4019	BCR	C23-C24-C25	-2.30	120.86	127.00
14	b	1212	CLA	C3D-C4D-ND	2.30	113.72	109.99
14	A	1109	CLA	C3D-C4D-ND	2.30	113.72	109.99
14	B	1228	CLA	C4D-C3D-CAD	2.30	110.60	108.11
14	b	1216	CLA	CHB-C1B-C2B	-2.30	120.76	127.43
14	B	1022	CLA	C4C-C3C-C2C	-2.30	103.55	106.89
21	A	6001	LMT	C1'-O5'-C5'	2.30	118.20	113.72
21	G	6001	LMT	C1'-O5'-C5'	2.30	118.20	113.72
21	R	6001	LMT	C1'-O5'-C5'	-2.30	109.24	113.72
18	H	4009	BCR	C37-C22-C21	-2.29	119.10	122.82
14	G	1013	CLA	CBA-CAA-C2A	2.29	120.62	113.79
14	a	1122	CLA	C4D-C3D-CAD	2.29	110.60	108.11
14	G	1131	CLA	C3C-C4C-NC	2.29	113.37	110.43
14	a	1013	CLA	CBA-CAA-C2A	2.29	120.62	113.79
14	B	1212	CLA	CMD-C2D-C3D	-2.29	122.43	127.69
14	b	1205	CLA	CHD-C4C-C3C	-2.29	121.43	124.77
14	b	1209	CLA	CAC-C3C-C4C	2.29	127.77	124.79
14	H	1023	CLA	CMB-C2B-C3B	2.29	131.94	126.55
14	A	1138	CLA	CMD-C2D-C3D	-2.29	122.43	127.69
15	B	1207	F6C	C11-C10-C8	-2.29	108.35	115.97
18	T	4001	BCR	C8-C9-C10	2.29	122.61	119.01
14	G	1129	CLA	C4D-C3D-CAD	2.29	110.59	108.11
14	b	1234	CLA	C4D-C3D-CAD	2.29	110.59	108.11
14	G	1104	CLA	O1D-CGD-CBD	-2.29	120.00	124.52
20	G	5003	LMG	O8-C28-O10	-2.29	117.90	123.63
20	a	5003	LMG	O8-C28-O10	-2.29	117.90	123.63
14	B	1023	CLA	CMB-C2B-C3B	2.29	131.94	126.55
14	A	1129	CLA	C5-C3-C4	2.29	119.86	114.59
20	A	5003	LMG	O8-C28-O10	-2.29	117.90	123.63
15	H	1207	F6C	C11-C10-C8	-2.29	108.36	115.97
14	G	1129	CLA	O1D-CGD-CBD	-2.29	120.00	124.52
18	l	4019	BCR	C24-C23-C22	-2.29	122.85	126.23
18	B	4009	BCR	C37-C22-C21	-2.29	119.11	122.82
14	A	1117	CLA	C4D-C3D-CAD	2.29	110.59	108.11
20	i	5006	LMG	C8-O7-C10	-2.29	112.32	117.80
14	T	1401	CLA	C4C-C3C-C2C	-2.29	103.56	106.89
18	L	4019	BCR	C23-C24-C25	-2.29	120.89	127.00
14	A	1122	CLA	C4D-C3D-CAD	2.29	110.59	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1228	CLA	C4D-C3D-CAD	2.29	110.59	108.11
14	b	1023	CLA	CMB-C2B-C3B	2.29	131.93	126.55
20	R	5006	LMG	C8-O7-C10	-2.29	112.32	117.80
14	b	1233	CLA	O2D-CGD-O1D	-2.29	119.40	123.85
14	B	1234	CLA	C4D-C3D-CAD	2.29	110.59	108.11
18	a	4005	BCR	C30-C25-C26	-2.29	119.51	122.64
14	B	1234	CLA	C1-C2-C3	-2.28	122.45	126.20
14	H	1212	CLA	CMD-C2D-C3D	-2.28	122.45	127.69
21	I	6001	LMT	C1'-O5'-C5'	-2.28	109.26	113.72
14	G	1122	CLA	C4C-C3C-C2C	-2.28	103.57	106.89
18	G	4003	BCR	C33-C5-C4	2.28	118.46	113.60
14	B	1022	CLA	CMB-C2B-C3B	2.28	131.92	126.55
14	b	1022	CLA	CMB-C2B-C3B	2.28	131.92	126.55
14	G	1109	CLA	C3D-C4D-ND	2.28	113.69	109.99
18	L	4019	BCR	C24-C23-C22	-2.28	122.86	126.23
13	a	1011	CL0	C6-C5-C3	-2.28	107.91	113.47
14	b	1214	CLA	CHB-C1B-C2B	-2.28	120.81	127.43
15	B	1237	F6C	CED-O2D-CGD	2.28	121.09	115.92
18	U	4019	BCR	C23-C24-C25	-2.28	120.91	127.00
15	H	1207	F6C	C3D-C4D-ND	2.28	113.69	109.93
14	k	1401	CLA	C4C-C3C-C2C	-2.28	103.57	106.89
18	k	4001	BCR	C8-C9-C10	2.28	122.59	119.01
14	G	1110	CLA	CMC-C2C-C1C	2.28	128.60	125.03
18	b	4014	BCR	C34-C9-C8	2.28	121.57	118.09
20	I	5006	LMG	C8-O7-C10	-2.28	112.34	117.80
18	A	4005	BCR	C30-C25-C26	-2.28	119.52	122.64
14	A	1128	CLA	C3D-C4D-ND	2.28	113.69	109.99
21	i	6001	LMT	C1'-O5'-C5'	-2.28	109.27	113.72
14	K	1401	CLA	C4C-C3C-C2C	-2.28	103.58	106.89
14	G	1117	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	a	1129	CLA	C5-C3-C4	2.28	119.83	114.59
14	b	1240	CLA	CMC-C2C-C1C	2.28	128.59	125.03
14	A	1130	CLA	CHB-C1B-C2B	-2.28	120.82	127.43
14	H	1234	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	B	1214	CLA	CHB-C1B-C2B	-2.28	120.82	127.43
15	H	1237	F6C	CED-O2D-CGD	2.28	121.08	115.92
14	G	1130	CLA	CHB-C1B-C2B	-2.28	120.82	127.43
18	B	4014	BCR	C34-C9-C8	2.28	121.56	118.09
18	R	4018	BCR	C37-C22-C21	-2.28	119.13	122.82
14	A	1112	CLA	CMD-C2D-C3D	-2.27	122.47	127.69
18	a	4003	BCR	C33-C5-C4	2.27	118.44	113.60
18	H	4014	BCR	C34-C9-C8	2.27	121.56	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1136	CLA	CHB-C1B-C2B	-2.27	120.83	127.43
15	b	1237	F6C	CED-O2D-CGD	2.27	121.07	115.92
14	G	1136	CLA	C3C-C4C-NC	2.27	113.34	110.43
14	B	1211	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
14	G	1112	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	a	1112	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	a	1138	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	a	1130	CLA	CHB-C1B-C2B	-2.27	120.83	127.43
14	b	1224	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
14	H	1022	CLA	CMB-C2B-C3B	2.27	131.89	126.55
14	l	1501	CLA	OBD-CAD-C3D	-2.27	123.11	128.42
14	B	1206	CLA	CMB-C2B-C3B	2.27	131.89	126.55
15	b	1207	F6C	CMC-C2C-C3C	2.27	130.44	125.62
14	H	1220	CLA	C4-C3-C2	-2.27	117.80	123.63
14	a	1136	CLA	CHB-C1B-C2B	-2.27	120.84	127.43
14	G	1129	CLA	C5-C3-C4	2.27	119.81	114.59
15	B	1207	F6C	C3D-C4D-ND	2.27	113.67	109.93
18	A	4003	BCR	C33-C5-C4	2.27	118.43	113.60
15	B	1207	F6C	CMC-C2C-C3C	2.27	130.43	125.62
15	H	1207	F6C	CMC-C2C-C3C	2.27	130.43	125.62
14	G	1122	CLA	C4D-C3D-CAD	2.27	110.57	108.11
14	B	1209	CLA	CAC-C3C-C4C	2.27	127.74	124.79
14	U	1501	CLA	OBD-CAD-C3D	-2.27	123.12	128.42
14	G	1129	CLA	CMD-C2D-C3D	-2.27	122.49	127.69
14	A	1104	CLA	O1D-CGD-CBD	-2.27	120.05	124.52
14	b	1223	CLA	C4C-C3C-C2C	-2.27	103.59	106.89
14	G	1105	CLA	CMB-C2B-C3B	2.27	131.88	126.55
14	H	1232	CLA	CMB-C2B-C3B	2.27	131.88	126.55
18	G	4005	BCR	C30-C25-C26	-2.27	119.54	122.64
14	H	1240	CLA	CMC-C2C-C1C	2.27	128.57	125.03
14	B	1223	CLA	C4C-C3C-C2C	-2.26	103.59	106.89
14	G	1130	CLA	C3C-C4C-NC	2.26	113.33	110.43
14	B	1232	CLA	CMB-C2B-C3B	2.26	131.88	126.55
18	K	4001	BCR	C8-C9-C10	2.26	122.57	119.01
21	L	6002	LMT	C6'-C5'-C4'	2.26	119.75	113.38
14	A	1129	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
14	a	1129	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
18	B	4006	BCR	C34-C9-C10	-2.26	119.15	122.82
14	H	1214	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
14	A	1119	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
14	G	1136	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
21	U	6002	LMT	C6'-C5'-C4'	2.26	119.75	113.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1105	CLA	CMB-C2B-C3B	2.26	131.87	126.55
14	b	1239	CLA	CAA-CBA-CGA	-2.26	106.79	113.21
14	G	1119	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
14	G	1111	CLA	C4C-C3C-C2C	-2.26	103.60	106.89
14	a	1111	CLA	C4C-C3C-C2C	-2.26	103.60	106.89
14	b	1221	CLA	C4-C3-C2	-2.26	117.82	123.63
14	B	1240	CLA	CMC-C2C-C1C	2.26	128.57	125.03
14	L	1501	CLA	OBD-CAD-C3D	-2.26	123.13	128.42
14	H	1021	CLA	C4D-C3D-CAD	2.26	110.56	108.11
13	A	1011	CL0	C6-C5-C3	-2.26	107.96	113.47
18	i	4020	BCR	C33-C5-C6	-2.26	122.02	124.48
14	b	1232	CLA	CMB-C2B-C3B	2.26	131.86	126.55
18	U	4019	BCR	C24-C23-C22	-2.26	122.89	126.23
14	a	1104	CLA	O1D-CGD-CBD	-2.26	120.06	124.52
14	a	1123	CLA	O1D-CGD-CBD	-2.26	120.06	124.52
14	b	1222	CLA	O1D-CGD-CBD	-2.26	120.06	124.52
14	A	1136	CLA	C3C-C4C-NC	2.26	113.32	110.43
14	b	1211	CLA	C4C-C3C-C2C	-2.26	103.61	106.89
14	B	1220	CLA	C4-C3-C2	-2.26	117.83	123.63
14	a	1128	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	B	1239	CLA	CAA-CBA-CGA	-2.26	106.80	113.21
14	b	1234	CLA	C1-C2-C3	-2.26	122.50	126.20
14	B	1221	CLA	C4-C3-C2	-2.26	117.83	123.63
14	A	1110	CLA	CMC-C2C-C1C	2.26	128.56	125.03
14	b	1222	CLA	C4-C3-C2	-2.26	117.83	123.63
14	G	1106	CLA	CMA-C3A-C4A	2.26	117.84	111.77
18	b	4006	BCR	C34-C9-C10	-2.26	119.16	122.82
14	A	1105	CLA	CMB-C2B-C3B	2.26	131.85	126.55
15	B	1219	F6C	CMA-C3A-C2A	-2.25	120.05	126.15
14	H	1221	CLA	C4-C3-C2	-2.25	117.84	123.63
15	b	1207	F6C	C1C-CHC-C4B	2.25	131.55	126.25
13	G	1011	CL0	C6-C5-C3	-2.25	107.98	113.47
14	G	1135	CLA	CHC-C1C-C2C	-2.25	120.54	126.95
14	B	1224	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	b	1206	CLA	CMB-C2B-C3B	2.25	131.85	126.55
18	A	4005	BCR	C34-C9-C10	-2.25	119.17	122.82
21	l	6002	LMT	C6'-C5'-C4'	2.25	119.72	113.38
14	b	1228	CLA	CHC-C1C-C2C	-2.25	120.54	126.95
15	H	1219	F6C	CMA-C3A-C2A	-2.25	120.06	126.15
14	H	1211	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
18	H	4006	BCR	C34-C9-C10	-2.25	119.17	122.82
14	b	1220	CLA	C4-C3-C2	-2.25	117.84	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1228	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	H	1223	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	H	1206	CLA	CMB-C2B-C3B	2.25	131.84	126.55
15	b	1207	F6C	C3D-C4D-ND	2.25	113.64	109.93
14	H	1228	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	a	1119	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
14	A	1123	CLA	O1D-CGD-CBD	-2.25	120.08	124.52
18	a	4005	BCR	C34-C9-C10	-2.25	119.17	122.82
13	G	1011	CL0	C2A-C3A-C4A	2.25	105.50	101.87
18	b	4009	BCR	C37-C22-C21	-2.25	119.17	122.82
14	H	1224	CLA	CMB-C2B-C3B	2.25	131.84	126.55
14	b	1239	CLA	C3D-C4D-ND	2.25	113.64	109.99
18	T	4001	BCR	C36-C18-C17	-2.25	119.17	122.82
14	B	1223	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
14	a	1139	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
14	G	1134	CLA	C4B-CHC-C1C	2.25	131.54	126.25
14	H	1222	CLA	C4-C3-C2	-2.25	117.85	123.63
18	K	4001	BCR	C36-C18-C17	-2.25	119.17	122.82
14	H	1223	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
15	b	1219	F6C	CMA-C3A-C2A	-2.25	120.07	126.15
14	A	1139	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
14	A	1106	CLA	CMA-C3A-C4A	2.25	117.81	111.77
14	a	1110	CLA	CMC-C2C-C1C	2.25	128.55	125.03
14	A	1106	CLA	CMB-C2B-C3B	2.25	131.84	126.55
14	G	1106	CLA	CMB-C2B-C3B	2.25	131.84	126.55
15	H	1207	F6C	C1C-CHC-C4B	2.25	131.53	126.25
14	G	1110	CLA	CAA-C2A-C3A	-2.25	106.93	113.00
14	G	1125	CLA	C4B-CHC-C1C	2.25	131.53	126.25
14	b	1223	CLA	CAA-C2A-C3A	-2.25	106.93	113.00
14	a	1134	CLA	C4B-CHC-C1C	2.25	131.53	126.25
14	B	1222	CLA	O1D-CGD-CBD	-2.25	120.09	124.52
15	B	1207	F6C	C1C-CHC-C4B	2.25	131.53	126.25
14	a	1106	CLA	CMB-C2B-C3B	2.25	131.83	126.55
14	b	1221	CLA	C3D-C4D-ND	2.25	113.64	109.99
14	A	1111	CLA	C4C-C3C-C2C	-2.24	103.62	106.89
14	G	1123	CLA	O1D-CGD-CBD	-2.24	120.09	124.52
14	a	1125	CLA	C4B-CHC-C1C	2.24	131.53	126.25
15	b	1207	F6C	CAC-C3C-C4C	2.24	128.00	124.91
14	A	1125	CLA	C4B-CHC-C1C	2.24	131.52	126.25
14	A	1135	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
14	H	1239	CLA	CAA-CBA-CGA	-2.24	106.84	113.21
14	A	1136	CLA	C4D-C3D-CAD	2.24	110.54	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1130	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	B	1222	CLA	C4-C3-C2	-2.24	117.87	123.63
14	A	1134	CLA	C4B-CHC-C1C	2.24	131.52	126.25
20	I	5006	LMG	O7-C10-O9	-2.24	118.46	123.70
14	B	1214	CLA	C1-O2A-CGA	2.24	122.08	116.65
14	l	1501	CLA	CMB-C2B-C1B	2.24	128.83	125.42
14	B	1224	CLA	CMB-C2B-C3B	2.24	131.82	126.55
14	a	1108	CLA	CED-O2D-CGD	2.24	121.00	115.92
14	a	1106	CLA	CMA-C3A-C4A	2.24	117.80	111.77
14	H	1222	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
14	A	1132	CLA	CBB-CAB-C3B	-2.24	116.34	127.53
14	G	1132	CLA	CBB-CAB-C3B	-2.24	116.34	127.53
18	A	4003	BCR	C34-C9-C8	2.24	121.51	118.09
18	L	4022	BCR	C4-C5-C6	-2.24	119.68	122.70
18	a	4003	BCR	C34-C9-C8	2.24	121.51	118.09
15	G	1121	F6C	O1D-CGD-CBD	-2.24	120.11	124.52
14	a	1130	CLA	C3C-C4C-NC	2.24	113.29	110.43
14	H	1224	CLA	C4D-C3D-CAD	2.24	110.53	108.11
14	a	1117	CLA	C4D-C3D-CAD	2.24	110.53	108.11
14	b	1021	CLA	C4D-C3D-CAD	2.24	110.53	108.11
14	A	1109	CLA	OBD-CAD-C3D	-2.24	123.19	128.42
15	H	1207	F6C	CAC-C3C-C4C	2.24	127.99	124.91
15	A	1121	F6C	O1D-CGD-CBD	-2.23	120.11	124.52
14	b	1214	CLA	C1-O2A-CGA	2.23	122.06	116.65
18	V	4021	BCR	C38-C26-C25	-2.23	122.05	124.48
14	L	1501	CLA	CMB-C2B-C1B	2.23	128.82	125.42
14	H	1218	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	H	1205	CLA	C4C-C3C-C2C	-2.23	103.64	106.89
14	B	1021	CLA	C4D-C3D-CAD	2.23	110.53	108.11
14	H	1214	CLA	C1-O2A-CGA	2.23	122.06	116.65
14	a	1131	CLA	C1-O2A-CGA	2.23	122.06	116.65
14	a	1102	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
14	H	1239	CLA	C3D-C4D-ND	2.23	113.62	109.99
14	B	1202	CLA	C4-C3-C5	2.23	119.10	115.23
14	H	1240	CLA	O2D-CGD-O1D	-2.23	119.50	123.85
18	G	4005	BCR	C34-C9-C10	-2.23	119.20	122.82
14	A	1110	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
14	G	1109	CLA	OBD-CAD-C3D	-2.23	123.20	128.42
20	H	5002	LMG	C8-O7-C10	-2.23	112.45	117.80
18	l	4022	BCR	C4-C5-C6	-2.23	119.69	122.70
14	G	1139	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
15	a	1121	F6C	CMD-C2D-C3D	-2.23	122.57	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	4009	BCR	C19-C18-C17	2.23	122.52	119.01
14	a	1132	CLA	CBB-CAB-C3B	-2.23	116.38	127.53
18	H	4014	BCR	C1-C6-C5	-2.23	119.59	122.64
14	G	1131	CLA	C1-O2A-CGA	2.23	122.05	116.65
14	a	1126	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
18	R	4020	BCR	C33-C5-C6	-2.23	122.05	124.48
14	A	1128	CLA	C4C-C3C-C2C	-2.23	103.65	106.89
14	A	1139	CLA	CMB-C2B-C1B	2.23	128.81	125.42
14	H	1232	CLA	O2D-CGD-O1D	-2.23	119.51	123.85
14	b	1202	CLA	C4-C3-C5	2.23	119.10	115.23
14	a	1128	CLA	C4C-C3C-C2C	-2.23	103.65	106.89
14	B	1208	CLA	CMC-C2C-C1C	2.23	128.52	125.03
20	R	5006	LMG	O7-C10-O9	-2.23	118.50	123.70
15	G	1121	F6C	CMD-C2D-C3D	-2.23	122.58	127.69
14	G	1139	CLA	CMB-C2B-C1B	2.23	128.81	125.42
18	b	4009	BCR	C19-C18-C17	2.23	122.51	119.01
14	b	1240	CLA	O2D-CGD-O1D	-2.23	119.51	123.85
15	A	1121	F6C	CMD-C2D-C3D	-2.23	122.58	127.69
14	A	1131	CLA	C1-O2A-CGA	2.23	122.04	116.65
18	k	4001	BCR	C36-C18-C17	-2.23	119.21	122.82
13	A	1011	CL0	C2A-C3A-C4A	2.23	105.47	101.87
14	A	1102	CLA	CHB-C1B-C2B	-2.23	120.96	127.43
15	B	1207	F6C	CAC-C3C-C4C	2.23	127.97	124.91
14	a	1140	CLA	CMC-C2C-C1C	2.23	128.51	125.03
14	a	1135	CLA	CHC-C1C-C2C	-2.23	120.62	126.95
14	B	1232	CLA	O2D-CGD-O1D	-2.23	119.52	123.85
14	U	1501	CLA	CMB-C2B-C1B	2.22	128.81	125.42
18	I	4020	BCR	C33-C5-C6	-2.22	122.06	124.48
14	A	1131	CLA	O1D-CGD-CBD	-2.22	120.13	124.52
14	H	1202	CLA	C4-C3-C5	2.22	119.09	115.23
14	a	1110	CLA	CAA-C2A-C3A	-2.22	106.99	113.00
14	H	1224	CLA	CMC-C2C-C1C	2.22	128.51	125.03
14	a	1139	CLA	CMB-C2B-C1B	2.22	128.80	125.42
14	B	1240	CLA	O2D-CGD-O1D	-2.22	119.52	123.85
15	a	1121	F6C	O1D-CGD-CBD	-2.22	120.14	124.52
14	A	1108	CLA	CED-O2D-CGD	2.22	120.96	115.92
14	G	1136	CLA	C4D-C3D-CAD	2.22	110.52	108.11
20	B	5002	LMG	C8-O7-C10	-2.22	112.48	117.80
14	a	1136	CLA	C3C-C4C-NC	2.22	113.28	110.43
14	b	1232	CLA	O2D-CGD-O1D	-2.22	119.52	123.85
14	A	1140	CLA	CMC-C2C-C1C	2.22	128.50	125.03
14	G	1102	CLA	CHB-C1B-C2B	-2.22	120.98	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1210	CLA	CMB-C2B-C3B	2.22	131.77	126.55
18	U	4022	BCR	C4-C5-C6	-2.22	119.70	122.70
18	G	4003	BCR	C34-C9-C8	2.22	121.48	118.09
18	k	4001	BCR	C37-C22-C23	2.22	121.48	118.09
20	i	5006	LMG	O7-C10-O9	-2.22	118.52	123.70
14	A	1110	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
13	a	1011	CL0	C2A-C3A-C4A	2.22	105.45	101.87
14	b	1224	CLA	CMB-C2B-C3B	2.22	131.77	126.55
14	G	1108	CLA	CED-O2D-CGD	2.22	120.95	115.92
14	G	1110	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
14	B	1221	CLA	C3D-C4D-ND	2.22	113.59	109.99
14	B	1239	CLA	C3D-C4D-ND	2.22	113.59	109.99
14	a	1110	CLA	CMD-C2D-C3D	-2.22	122.61	127.69
18	H	4014	BCR	C37-C22-C21	-2.22	119.23	122.82
18	H	4009	BCR	C19-C18-C17	2.22	122.49	119.01
14	b	1208	CLA	CMC-C2C-C1C	2.22	128.50	125.03
14	b	1222	CLA	C1-C2-C3	-2.21	122.57	126.20
14	A	1126	CLA	CMD-C2D-C3D	-2.21	122.61	127.69
14	H	1201	CLA	C4-C3-C2	-2.21	117.94	123.63
14	a	1109	CLA	OBD-CAD-C3D	-2.21	123.24	128.42
14	H	1224	CLA	C4C-C3C-C2C	-2.21	103.67	106.89
18	I	4020	BCR	C36-C18-C17	-2.21	119.23	122.82
14	H	1208	CLA	CMA-C3A-C4A	2.21	117.72	111.77
14	A	1133	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	H	1208	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	B	1208	CLA	CMD-C2D-C3D	-2.21	122.62	127.69
14	H	1210	CLA	CMB-C2B-C3B	2.21	131.75	126.55
14	B	1205	CLA	C4C-C3C-C2C	-2.21	103.67	106.89
14	G	1133	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	a	1131	CLA	O1D-CGD-CBD	-2.21	120.16	124.52
14	B	1201	CLA	C4-C3-C2	-2.21	117.95	123.63
14	B	1224	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	a	1127	CLA	CAA-CBA-CGA	-2.21	106.93	113.21
14	B	1218	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	G	1131	CLA	O1D-CGD-CBD	-2.21	120.16	124.52
14	H	1221	CLA	C4-C3-C5	2.21	119.06	115.23
18	b	4014	BCR	C37-C22-C21	-2.21	119.24	122.82
14	b	1208	CLA	CMD-C2D-C3D	-2.21	122.62	127.69
14	a	1133	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	b	1210	CLA	CMB-C2B-C3B	2.21	131.74	126.55
18	K	4001	BCR	C37-C22-C23	2.21	121.46	118.09
14	b	1221	CLA	C4-C3-C5	2.21	119.06	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	4014	BCR	C1-C6-C5	-2.21	119.62	122.64
14	G	1127	CLA	CAA-CBA-CGA	-2.21	106.94	113.21
14	H	1208	CLA	CMD-C2D-C3D	-2.21	122.63	127.69
14	a	1105	CLA	CMA-C3A-C4A	2.21	117.70	111.77
14	b	1203	CLA	CBC-CAC-C3C	-2.21	106.44	112.42
20	b	5002	LMG	C8-O7-C10	-2.21	112.52	117.80
14	l	1502	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	A	1127	CLA	CAA-CBA-CGA	-2.21	106.94	113.21
14	b	1239	CLA	CAA-C2A-C3A	-2.20	107.04	113.00
15	b	1207	F6C	CMC-C2C-C1C	2.20	128.78	125.42
18	M	4021	BCR	C38-C26-C25	-2.20	122.08	124.48
14	b	1212	CLA	CMB-C2B-C3B	2.20	131.73	126.55
14	H	1212	CLA	CMB-C2B-C3B	2.20	131.73	126.55
14	B	1239	CLA	CAA-C2A-C3A	-2.20	107.05	113.00
14	b	1223	CLA	O1D-CGD-CBD	-2.20	120.17	124.52
14	H	1021	CLA	C11-C10-C8	-2.20	108.65	115.97
14	b	1201	CLA	C4-C3-C2	-2.20	117.97	123.63
14	H	1239	CLA	CAA-C2A-C3A	-2.20	107.05	113.00
14	G	1128	CLA	C4C-C3C-C2C	-2.20	103.69	106.89
14	H	1221	CLA	C3D-C4D-ND	2.20	113.56	109.99
18	G	4002	BCR	C31-C1-C6	-2.20	106.79	110.24
14	G	1106	CLA	CMD-C2D-C3D	-2.20	122.64	127.69
14	B	1021	CLA	C11-C10-C8	-2.20	108.66	115.97
14	B	1212	CLA	CMB-C2B-C3B	2.20	131.72	126.55
14	B	1203	CLA	CBC-CAC-C3C	-2.20	106.46	112.42
14	b	1224	CLA	CMC-C2C-C1C	2.20	128.47	125.03
14	B	1221	CLA	C4-C3-C5	2.20	119.04	115.23
14	A	1105	CLA	CMA-C3A-C4A	2.20	117.68	111.77
14	H	1206	CLA	C4D-C3D-CAD	2.20	110.49	108.11
14	a	1136	CLA	C4D-C3D-CAD	2.20	110.49	108.11
14	A	1107	CLA	CMD-C2D-C3D	-2.20	122.65	127.69
14	B	1208	CLA	CMA-C3A-C4A	2.20	117.68	111.77
18	a	4003	BCR	C34-C9-C10	-2.20	119.26	122.82
14	B	1222	CLA	C1-C2-C3	-2.20	122.60	126.20
14	G	1135	CLA	C3C-C4C-NC	2.20	113.24	110.43
14	a	1135	CLA	C3C-C4C-NC	2.20	113.24	110.43
14	G	1126	CLA	CMD-C2D-C3D	-2.20	122.65	127.69
15	H	1207	F6C	CMC-C2C-C1C	2.20	128.76	125.42
14	H	1222	CLA	C1-C2-C3	-2.20	122.60	126.20
14	b	1206	CLA	C4D-C3D-CAD	2.20	110.49	108.11
14	G	1124	CLA	CMC-C2C-C1C	2.19	128.46	125.03
18	m	4021	BCR	C38-C26-C25	-2.19	122.09	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1135	CLA	C5-C3-C4	2.19	119.64	114.59
14	G	1135	CLA	C5-C3-C4	2.19	119.64	114.59
14	b	1021	CLA	C11-C10-C8	-2.19	108.67	115.97
14	G	1105	CLA	CMA-C3A-C4A	2.19	117.67	111.77
18	T	4001	BCR	C37-C22-C23	2.19	121.44	118.09
14	G	1140	CLA	CMC-C2C-C1C	2.19	128.46	125.03
18	a	4001	BCR	C36-C18-C17	-2.19	119.26	122.82
14	A	1135	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	b	1218	CLA	C3C-C4C-NC	2.19	113.24	110.43
18	R	4020	BCR	C36-C18-C17	-2.19	119.27	122.82
18	A	4002	BCR	C31-C1-C6	-2.19	106.81	110.24
14	B	1223	CLA	O1D-CGD-CBD	-2.19	120.20	124.52
14	G	1107	CLA	CMD-C2D-C3D	-2.19	122.67	127.69
18	i	4020	BCR	C36-C18-C17	-2.19	119.27	122.82
14	H	1223	CLA	O1D-CGD-CBD	-2.19	120.20	124.52
18	B	4014	BCR	C37-C22-C21	-2.19	119.27	122.82
14	B	1228	CLA	C4-C3-C5	2.19	119.03	115.23
14	H	1223	CLA	C4D-C3D-CAD	2.19	110.48	108.11
14	b	1208	CLA	CMA-C3A-C4A	2.19	117.65	111.77
14	a	1116	CLA	C4D-C3D-CAD	2.19	110.48	108.11
14	A	1141	CLA	CAC-C3C-C4C	2.19	127.64	124.79
14	b	1225	CLA	C4D-C3D-CAD	2.19	110.48	108.11
15	B	1207	F6C	CMC-C2C-C1C	2.18	128.75	125.42
14	A	1140	CLA	C4D-C3D-CAD	2.18	110.48	108.11
14	B	1206	CLA	C4D-C3D-CAD	2.18	110.48	108.11
14	B	1224	CLA	C4D-C3D-CAD	2.18	110.48	108.11
18	A	4003	BCR	C34-C9-C10	-2.18	119.28	122.82
14	H	1203	CLA	CBC-CAC-C3C	-2.18	106.50	112.42
14	a	1140	CLA	C4D-C3D-CAD	2.18	110.48	108.11
14	a	1107	CLA	CMD-C2D-C3D	-2.18	122.68	127.69
14	b	1233	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	U	1502	CLA	C3C-C4C-NC	2.18	113.23	110.43
14	a	1125	CLA	CAC-C3C-C2C	2.18	131.57	127.56
14	B	1201	CLA	CMA-C3A-C4A	2.18	117.64	111.77
14	B	1223	CLA	C4D-C3D-CAD	2.18	110.47	108.11
14	a	1135	CLA	C5-C3-C4	2.18	119.61	114.59
14	a	1012	CLA	C1-O2A-CGA	2.18	121.93	116.65
14	A	1125	CLA	CAC-C3C-C2C	2.18	131.56	127.56
18	b	4014	BCR	C1-C6-C5	-2.18	119.66	122.64
14	k	1401	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	b	1205	CLA	C4C-C3C-C2C	-2.18	103.72	106.89
14	A	1106	CLA	CMD-C2D-C3D	-2.18	122.69	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	1401	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	a	1141	CLA	CAC-C3C-C4C	2.18	127.62	124.79
14	T	1401	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	a	1137	CLA	CMD-C2D-C3D	-2.18	122.69	127.69
14	B	1225	CLA	C4D-C3D-CAD	2.18	110.47	108.11
14	H	1201	CLA	CMA-C3A-C4A	2.18	117.62	111.77
14	b	1210	CLA	CHB-C4A-NA	2.18	127.54	124.40
14	L	1502	CLA	C3C-C4C-NC	2.18	113.22	110.43
18	A	4001	BCR	C36-C18-C17	-2.18	119.29	122.82
14	H	1211	CLA	C4B-CHC-C1C	2.18	131.37	126.25
14	b	1201	CLA	CMA-C3A-C4A	2.18	117.62	111.77
14	H	1201	CLA	O1D-CGD-CBD	-2.18	120.22	124.52
14	G	1125	CLA	CAC-C3C-C2C	2.18	131.56	127.56
14	G	1141	CLA	CAC-C3C-C4C	2.18	127.62	124.79
14	G	1140	CLA	CMB-C2B-C1B	2.18	128.73	125.42
14	a	1116	CLA	CHB-C1B-C2B	-2.17	121.11	127.43
14	a	1125	CLA	C1-O2A-CGA	2.17	121.91	116.65
21	l	6002	LMT	C1'-O5'-C5'	-2.17	109.47	113.72
14	A	1104	CLA	CMD-C2D-C3D	-2.17	122.70	127.69
14	H	1233	CLA	CMC-C2C-C1C	2.17	128.43	125.03
14	G	1137	CLA	CMD-C2D-C3D	-2.17	122.70	127.69
14	B	1211	CLA	C4B-CHC-C1C	2.17	131.36	126.25
14	a	1106	CLA	CMD-C2D-C3D	-2.17	122.71	127.69
14	b	1216	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	H	1228	CLA	C4-C3-C5	2.17	119.00	115.23
14	A	1137	CLA	CMD-C2D-C3D	-2.17	122.71	127.69
14	G	1117	CLA	O1D-CGD-CBD	-2.17	120.23	124.52
14	A	1116	CLA	CHB-C1B-C2B	-2.17	121.12	127.43
14	G	1104	CLA	CMD-C2D-C3D	-2.17	122.71	127.69
14	B	1201	CLA	O1D-CGD-CBD	-2.17	120.24	124.52
18	H	4017	BCR	C34-C9-C10	-2.17	119.30	122.82
18	a	4002	BCR	C31-C1-C6	-2.17	106.84	110.24
14	a	1117	CLA	C3B-C4B-NB	2.17	112.47	110.53
14	G	1117	CLA	CMD-C2D-C3D	-2.17	122.72	127.69
14	A	1140	CLA	CMB-C2B-C1B	2.17	128.72	125.42
15	b	1237	F6C	C4-C3-C2	-2.17	118.06	123.63
14	A	1102	CLA	CMA-C3A-C4A	2.17	117.60	111.77
14	A	1117	CLA	CMD-C2D-C3D	-2.17	122.72	127.69
14	A	1129	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
14	A	1012	CLA	C1-O2A-CGA	2.17	121.90	116.65
14	H	1022	CLA	CHD-C4C-C3C	-2.17	121.61	124.77
14	B	1210	CLA	CHB-C4A-NA	2.17	127.53	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
21	L	6002	LMT	C1'-O5'-C5'	-2.17	109.49	113.72
14	H	1239	CLA	CHC-C1C-C2C	-2.17	120.79	126.95
14	b	1211	CLA	C4B-CHC-C1C	2.17	131.34	126.25
14	a	1102	CLA	CMA-C3A-C4A	2.17	117.60	111.77
14	b	1232	CLA	C3C-C4C-NC	2.17	113.21	110.43
14	b	1228	CLA	C4-C3-C5	2.17	118.99	115.23
14	L	1503	CLA	C4C-C3C-C2C	-2.17	103.74	106.89
14	B	1239	CLA	CHC-C1C-C2C	-2.17	120.79	126.95
15	b	1237	F6C	OBD-CAD-C3D	-2.17	123.35	128.42
14	B	1210	CLA	CMA-C3A-C4A	2.17	117.59	111.77
15	H	1237	F6C	OBD-CAD-C3D	-2.17	123.36	128.42
14	m	1501	CLA	CED-O2D-CGD	2.17	120.83	115.92
18	G	4001	BCR	C36-C18-C17	-2.16	119.31	122.82
21	U	6002	LMT	C1'-O5'-C5'	-2.16	109.49	113.72
14	G	1012	CLA	C1-O2A-CGA	2.16	121.89	116.65
15	B	1237	F6C	OBD-CAD-C3D	-2.16	123.36	128.42
14	H	1231	CLA	C1-C2-C3	-2.16	122.65	126.20
14	a	1117	CLA	O1D-CGD-CBD	-2.16	120.25	124.52
14	G	1129	CLA	CHB-C1B-C2B	-2.16	121.15	127.43
14	b	1216	CLA	CAC-C3C-C4C	2.16	127.60	124.79
14	A	1119	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	a	1135	CLA	OBD-CAD-C3D	-2.16	123.36	128.42
14	A	1124	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	b	1210	CLA	CMA-C3A-C4A	2.16	117.58	111.77
14	a	1140	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	b	1209	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	a	1104	CLA	C4-C3-C5	2.16	118.98	115.23
14	a	1129	CLA	CHB-C1B-C2B	-2.16	121.15	127.43
14	G	1102	CLA	CMA-C3A-C4A	2.16	117.58	111.77
14	a	1124	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	H	1209	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	H	1218	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	A	1116	CLA	C4D-C3D-CAD	2.16	110.45	108.11
18	B	4004	BCR	C30-C25-C26	-2.16	119.68	122.64
13	A	1011	CL0	CMC-C2C-C1C	2.16	128.41	125.03
18	R	4020	BCR	C7-C8-C9	-2.16	123.04	126.23
14	B	1022	CLA	CHD-C4C-C3C	-2.16	121.62	124.77
14	B	1216	CLA	CHC-C1C-C2C	-2.16	120.81	126.95
14	H	1227	CLA	CAC-C3C-C4C	2.16	127.60	124.79
14	H	1232	CLA	C3C-C4C-NC	2.16	113.20	110.43
14	G	1125	CLA	C1-O2A-CGA	2.16	121.88	116.65
14	G	1113	CLA	CMD-C2D-C3D	-2.16	122.74	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1022	CLA	CHD-C4C-C3C	-2.16	121.63	124.77
15	B	1237	F6C	C4-C3-C2	-2.16	118.08	123.63
15	H	1237	F6C	C4-C3-C2	-2.16	118.08	123.63
14	a	1113	CLA	CMD-C2D-C3D	-2.16	122.74	127.69
14	H	1216	CLA	CHC-C1C-C2C	-2.16	120.82	126.95
14	A	1113	CLA	CMD-C2D-C3D	-2.16	122.74	127.69
14	M	1501	CLA	CED-O2D-CGD	2.16	120.81	115.92
18	B	4017	BCR	C34-C9-C10	-2.16	119.32	122.82
14	B	1233	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	U	1501	CLA	C4D-C3D-CAD	2.16	110.45	108.11
14	A	1125	CLA	C1-O2A-CGA	2.16	121.87	116.65
14	A	1112	CLA	O1D-CGD-CBD	-2.16	120.27	124.52
14	U	1503	CLA	C4C-C3C-C2C	-2.16	103.75	106.89
13	a	1011	CL0	CMC-C2C-C1C	2.16	128.40	125.03
14	B	1208	CLA	O1D-CGD-CBD	-2.16	120.27	124.52
14	H	1203	CLA	C4-C3-C5	2.16	118.97	115.23
14	a	1123	CLA	CMB-C2B-C3B	2.16	131.62	126.55
18	G	4003	BCR	C34-C9-C10	-2.15	119.33	122.82
14	a	1106	CLA	CAA-C2A-C1A	-2.15	104.91	111.97
14	G	1116	CLA	CHB-C1B-C2B	-2.15	121.17	127.43
14	U	1503	CLA	CHC-C1C-C2C	-2.15	120.83	126.95
18	H	4004	BCR	C30-C25-C26	-2.15	119.69	122.64
15	b	1230	F6C	CMD-C2D-C3D	-2.15	122.75	127.69
14	A	1136	CLA	CAA-C2A-C3A	-2.15	107.18	113.00
15	B	1230	F6C	CMD-C2D-C3D	-2.15	122.75	127.69
14	H	1225	CLA	C4D-C3D-CAD	2.15	110.44	108.11
14	a	1117	CLA	CMD-C2D-C3D	-2.15	122.75	127.69
14	B	1227	CLA	CAC-C3C-C4C	2.15	127.59	124.79
14	b	1203	CLA	C4-C3-C5	2.15	118.96	115.23
15	H	1230	F6C	CMD-C2D-C3D	-2.15	122.76	127.69
14	H	1210	CLA	CHB-C4A-NA	2.15	127.50	124.40
14	A	1117	CLA	C3B-C4B-NB	2.15	112.45	110.53
14	b	1239	CLA	C4C-C3C-C2C	-2.15	103.76	106.89
18	I	4020	BCR	C7-C8-C9	-2.15	123.05	126.23
14	a	1137	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	b	1223	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	B	1236	CLA	CAA-C2A-C3A	-2.15	107.19	113.00
14	b	1239	CLA	CHC-C1C-C2C	-2.15	120.84	126.95
14	b	1224	CLA	C4D-C3D-CAD	2.15	110.44	108.11
18	b	4004	BCR	C30-C25-C26	-2.15	119.70	122.64
14	A	1123	CLA	CMB-C2B-C3B	2.15	131.61	126.55
14	H	1210	CLA	CMA-C3A-C4A	2.15	117.55	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1023	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	b	1223	CLA	C4D-C3D-CAD	2.15	110.44	108.11
14	k	1401	CLA	CMD-C2D-C3D	-2.15	122.76	127.69
14	G	1104	CLA	C4-C3-C5	2.15	118.96	115.23
18	i	4020	BCR	C7-C8-C9	-2.15	123.06	126.23
18	A	4004	BCR	C36-C18-C17	-2.15	119.33	122.82
18	b	4017	BCR	C34-C9-C10	-2.15	119.33	122.82
14	a	1136	CLA	CAA-C2A-C3A	-2.15	107.19	113.00
14	A	1102	CLA	C5-C3-C4	2.15	119.53	114.59
14	A	1135	CLA	OBD-CAD-C3D	-2.15	123.40	128.42
14	G	1112	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	b	1208	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
13	G	1011	CL0	CMC-C2C-C1C	2.15	128.39	125.03
14	a	1119	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	a	1102	CLA	C5-C3-C4	2.15	119.53	114.59
14	G	1136	CLA	CAA-C2A-C3A	-2.15	107.20	113.00
14	B	1223	CLA	CMC-C2C-C1C	2.15	128.39	125.03
18	G	4004	BCR	C36-C18-C17	-2.15	119.34	122.82
14	A	1117	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	H	1208	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	G	1140	CLA	CMA-C3A-C4A	2.15	117.54	111.77
14	b	1214	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	L	1503	CLA	CHC-C1C-C2C	-2.15	120.85	126.95
14	G	1119	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	B	1021	CLA	C4C-C3C-C2C	-2.14	103.77	106.89
14	H	1023	CLA	C3C-C4C-NC	2.14	113.18	110.43
14	B	1209	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	l	1503	CLA	C4C-C3C-C2C	-2.14	103.77	106.89
14	G	1123	CLA	CMB-C2B-C3B	2.14	131.59	126.55
21	b	6003	LMT	C4B-C3B-C2B	2.14	114.59	110.83
14	T	1401	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	a	1104	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	B	1203	CLA	C4-C3-C5	2.14	118.95	115.23
14	A	1106	CLA	CAA-C2A-C1A	-2.14	104.95	111.97
14	b	1236	CLA	CAA-C2A-C3A	-2.14	107.21	113.00
14	a	1137	CLA	CMB-C2B-C3B	2.14	131.59	126.55
14	a	1107	CLA	CAA-C2A-C3A	-2.14	107.21	113.00
14	B	1232	CLA	C3C-C4C-NC	2.14	113.17	110.43
14	A	1104	CLA	C4-C3-C5	2.14	118.95	115.23
14	B	1234	CLA	CMC-C2C-C1C	2.14	128.38	125.03
18	b	4017	BCR	C37-C22-C23	2.14	121.36	118.09
14	B	1231	CLA	C1-C2-C3	-2.14	122.69	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1501	CLA	CED-O2D-CGD	2.14	120.77	115.92
14	G	1101	CLA	CAC-C3C-C4C	2.14	127.58	124.79
14	B	1239	CLA	C4C-C3C-C2C	-2.14	103.78	106.89
14	a	1109	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
14	b	1201	CLA	O1D-CGD-CBD	-2.14	120.30	124.52
21	H	6004	LMT	O1B-C4'-C5'	-2.14	103.86	109.48
14	B	1216	CLA	CAC-C3C-C4C	2.14	127.57	124.79
21	H	6003	LMT	C1B-O5B-C5B	2.14	117.90	113.72
14	b	1231	CLA	C1-C2-C3	-2.14	122.69	126.20
14	G	1106	CLA	CAA-C2A-C1A	-2.14	104.96	111.97
14	b	1227	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	A	1109	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
14	G	1116	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	b	1226	CLA	CAA-CBA-CGA	-2.14	107.14	113.21
14	H	1234	CLA	CMC-C2C-C1C	2.14	128.38	125.03
14	a	1123	CLA	OBD-CAD-C3D	-2.14	123.42	128.42
14	H	1231	CLA	CHB-C4A-NA	2.14	127.48	124.40
14	G	1013	CLA	C4C-C3C-C2C	-2.14	103.78	106.89
14	b	1235	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
18	a	4004	BCR	C36-C18-C17	-2.14	119.35	122.82
14	G	1135	CLA	OBD-CAD-C3D	-2.14	123.42	128.42
14	G	1137	CLA	CMB-C2B-C3B	2.14	131.58	126.55
14	B	1213	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
14	B	1226	CLA	CAA-CBA-CGA	-2.14	107.14	113.21
14	H	1236	CLA	CAA-C2A-C3A	-2.14	107.23	113.00
14	A	1118	CLA	CMB-C2B-C1B	2.14	128.67	125.42
14	H	1206	CLA	C4C-C3C-C2C	-2.14	103.78	106.89
14	H	1239	CLA	C4C-C3C-C2C	-2.14	103.78	106.89
14	B	1218	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
18	B	4017	BCR	C37-C22-C23	2.14	121.35	118.09
18	H	4005	BCR	C37-C22-C21	-2.14	119.36	122.82
18	b	4010	BCR	C31-C1-C6	-2.13	106.89	110.24
14	H	1216	CLA	CMD-C2D-C3D	-2.13	122.79	127.69
14	b	1218	CLA	CMD-C2D-C3D	-2.13	122.79	127.69
14	l	1503	CLA	CHC-C1C-C2C	-2.13	120.88	126.95
14	H	1235	CLA	CMD-C2D-C3D	-2.13	122.79	127.69
14	B	1214	CLA	C3C-C4C-NC	2.13	113.16	110.43
14	A	1140	CLA	CMA-C3A-C4A	2.13	117.51	111.77
14	B	1221	CLA	CHB-C4A-NA	2.13	127.48	124.40
14	H	1226	CLA	CAA-CBA-CGA	-2.13	107.15	113.21
14	a	1112	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	L	1501	CLA	C4D-C3D-CAD	2.13	110.42	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	1401	CLA	CMD-C2D-C3D	-2.13	122.80	127.69
14	H	1205	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	B	1235	CLA	CMD-C2D-C3D	-2.13	122.80	127.69
14	b	1213	CLA	CHB-C1B-C2B	-2.13	121.24	127.43
18	B	4010	BCR	C31-C1-C6	-2.13	106.90	110.24
18	H	4010	BCR	C31-C1-C6	-2.13	106.90	110.24
14	A	1137	CLA	CMB-C2B-C3B	2.13	131.56	126.55
14	G	1140	CLA	C4D-C3D-CAD	2.13	110.42	108.11
14	G	1102	CLA	C5-C3-C4	2.13	119.49	114.59
15	H	1230	F6C	CMC-C2C-C3C	2.13	130.14	125.62
21	B	6004	LMT	O1B-C4'-C5'	-2.13	103.89	109.48
14	G	1102	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	a	1117	CLA	C4B-C3B-C2B	-2.13	104.65	107.30
14	A	1107	CLA	CAA-C2A-C3A	-2.13	107.24	113.00
18	l	4019	BCR	C15-C14-C13	-2.13	124.29	127.28
14	G	1118	CLA	CMB-C2B-C1B	2.13	128.66	125.42
14	A	1138	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	G	1109	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	b	1203	CLA	CMB-C2B-C1B	2.13	128.66	125.42
14	b	1234	CLA	CMC-C2C-C1C	2.13	128.36	125.03
18	H	4017	BCR	C34-C9-C8	2.13	121.34	118.09
14	A	1013	CLA	C4C-C3C-C2C	-2.13	103.79	106.89
14	b	1021	CLA	C4C-C3C-C2C	-2.13	103.79	106.89
14	G	1138	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	A	1117	CLA	C4B-C3B-C2B	-2.13	104.66	107.30
14	G	1107	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
14	B	1231	CLA	CHB-C4A-NA	2.13	127.47	124.40
15	a	1121	F6C	CMC-C2C-C1C	2.13	128.66	125.42
14	a	1138	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
15	B	1237	F6C	C4C-C3C-C2C	-2.13	103.58	106.87
14	B	1205	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	G	1138	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
14	H	1213	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
14	G	1117	CLA	C4B-C3B-C2B	-2.13	104.66	107.30
21	B	6003	LMT	C1B-O5B-C5B	2.13	117.87	113.72
21	B	6003	LMT	C4B-C3B-C2B	2.13	114.56	110.83
14	G	1137	CLA	CMC-C2C-C1C	2.13	128.36	125.03
14	l	1503	CLA	C6-C5-C3	-2.13	108.29	113.47
14	A	1102	CLA	O1D-CGD-CBD	-2.13	120.33	124.52
14	G	1123	CLA	OBD-CAD-C3D	-2.12	123.45	128.42
14	l	1501	CLA	C4D-C3D-CAD	2.12	110.41	108.11
14	a	1116	CLA	CMA-C3A-C4A	2.12	117.48	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1140	CLA	CMA-C3A-C4A	2.12	117.48	111.77
18	I	4020	BCR	C32-C1-C6	2.12	113.57	110.24
14	H	1214	CLA	C3C-C4C-NC	2.12	113.15	110.43
14	A	1137	CLA	CMC-C2C-C1C	2.12	128.35	125.03
14	H	1223	CLA	CMC-C2C-C1C	2.12	128.35	125.03
14	A	1138	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
14	A	1125	CLA	C4-C3-C5	2.12	118.91	115.23
14	H	1021	CLA	C4C-C3C-C2C	-2.12	103.80	106.89
15	B	1230	F6C	CMC-C2C-C3C	2.12	130.13	125.62
14	G	1102	CLA	C1-O2A-CGA	2.12	121.79	116.65
18	i	4020	BCR	C32-C1-C6	2.12	113.57	110.24
14	a	1130	CLA	OBD-CAD-C3D	-2.12	123.45	128.42
14	H	1022	CLA	CHA-C1A-NA	-2.12	121.58	126.39
14	H	1216	CLA	CAC-C3C-C4C	2.12	127.55	124.79
14	G	1138	CLA	CHC-C1C-C2C	-2.12	120.92	126.95
18	R	4020	BCR	C32-C1-C6	2.12	113.57	110.24
18	B	4005	BCR	C37-C22-C21	-2.12	119.38	122.82
21	H	6003	LMT	C4B-C3B-C2B	2.12	114.55	110.83
14	G	1117	CLA	C3B-C4B-NB	2.12	112.42	110.53
14	b	1023	CLA	C3C-C4C-NC	2.12	113.15	110.43
15	b	1230	F6C	CMC-C2C-C3C	2.12	130.12	125.62
18	B	4017	BCR	C34-C9-C8	2.12	121.33	118.09
21	b	6004	LMT	O1B-C4'-C5'	-2.12	103.92	109.48
14	H	1203	CLA	CMB-C2B-C1B	2.12	128.65	125.42
14	G	1130	CLA	OBD-CAD-C3D	-2.12	123.46	128.42
14	a	1013	CLA	C4C-C3C-C2C	-2.12	103.81	106.89
18	L	4022	BCR	C34-C9-C10	-2.12	119.38	122.82
14	B	1216	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
14	A	1123	CLA	OBD-CAD-C3D	-2.12	123.47	128.42
14	a	1138	CLA	O1D-CGD-CBD	-2.12	120.34	124.52
14	b	1214	CLA	CAA-CBA-CGA	-2.12	107.19	113.21
14	H	1201	CLA	CAC-C3C-C4C	2.12	127.55	124.79
18	A	4003	BCR	C23-C22-C21	-2.12	115.68	119.01
15	H	1237	F6C	C4C-C3C-C2C	-2.12	103.59	106.87
14	a	1102	CLA	O1D-CGD-CBD	-2.12	120.34	124.52
14	B	1203	CLA	CMB-C2B-C1B	2.12	128.64	125.42
14	G	1125	CLA	C4-C3-C5	2.12	118.90	115.23
14	G	1116	CLA	CMA-C3A-C4A	2.12	117.46	111.77
18	l	4022	BCR	C34-C9-C10	-2.12	119.39	122.82
14	b	1233	CLA	CHC-C1C-C2C	-2.12	120.94	126.95
14	b	1205	CLA	O1D-CGD-CBD	-2.12	120.34	124.52
14	G	1129	CLA	C4C-C3C-C2C	-2.12	103.81	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	1101	CLA	CAC-C3C-C4C	2.12	127.54	124.79
14	b	1217	CLA	CHD-C4C-C3C	-2.11	121.69	124.77
14	G	1141	CLA	O1D-CGD-CBD	-2.11	120.35	124.52
18	a	4003	BCR	C23-C22-C21	-2.11	115.68	119.01
19	l	5102	LHG	C5-O7-C7	-2.11	112.74	117.80
14	a	1012	CLA	CHB-C1B-C2B	-2.11	121.29	127.43
14	a	1139	CLA	CHB-C1B-C2B	-2.11	121.29	127.43
14	B	1235	CLA	CBA-CAA-C2A	2.11	120.08	113.79
21	b	6003	LMT	C1B-O5B-C5B	2.11	117.85	113.72
14	G	1103	CLA	C1-C2-C3	-2.11	122.74	126.20
14	A	1129	CLA	CAA-CBA-CGA	-2.11	107.21	113.21
19	L	5102	LHG	C5-O7-C7	-2.11	112.74	117.80
14	G	1137	CLA	C4D-C3D-CAD	2.11	110.40	108.11
14	B	1228	CLA	C4C-C3C-C2C	-2.11	103.82	106.89
14	a	1137	CLA	C4D-C3D-CAD	2.11	110.40	108.11
14	A	1102	CLA	C1-O2A-CGA	2.11	121.76	116.65
14	a	1012	CLA	C6-C7-C8	-2.11	108.95	115.97
14	a	1118	CLA	CMB-C2B-C1B	2.11	128.63	125.42
14	b	1201	CLA	CAC-C3C-C4C	2.11	127.54	124.79
18	G	4003	BCR	C23-C22-C21	-2.11	115.69	119.01
14	H	1235	CLA	CMB-C2B-C3B	2.11	131.51	126.55
14	A	1116	CLA	CMA-C3A-C4A	2.11	117.44	111.77
18	b	4017	BCR	C34-C9-C8	2.11	121.31	118.09
14	a	1125	CLA	C4-C3-C5	2.11	118.89	115.23
14	H	1239	CLA	O1D-CGD-CBD	-2.11	120.36	124.52
14	a	1125	CLA	CMB-C2B-C3B	2.11	131.51	126.55
14	H	1221	CLA	CHB-C4A-NA	2.11	127.44	124.40
14	A	1012	CLA	C6-C7-C8	-2.11	108.95	115.97
14	G	1129	CLA	CAA-CBA-CGA	-2.11	107.22	113.21
18	H	4006	BCR	C35-C13-C12	2.11	121.31	118.09
18	b	4010	BCR	C33-C5-C4	2.11	118.09	113.60
14	B	1228	CLA	CMC-C2C-C3C	2.11	131.85	126.15
14	A	1139	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
15	b	1207	F6C	CHC-C1C-C2C	-2.11	121.31	127.43
14	a	1129	CLA	CAA-CBA-CGA	-2.11	107.22	113.21
18	i	4020	BCR	C31-C1-C6	-2.11	106.94	110.24
14	H	1228	CLA	C4C-C3C-C2C	-2.11	103.82	106.89
14	A	1138	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
14	A	1130	CLA	OBD-CAD-C3D	-2.11	123.49	128.42
14	A	1012	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
18	b	4006	BCR	C35-C13-C12	2.11	121.31	118.09
14	H	1214	CLA	CAA-CBA-CGA	-2.11	107.22	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1228	CLA	C4C-C3C-C2C	-2.11	103.83	106.89
18	U	4022	BCR	C34-C9-C10	-2.11	119.40	122.82
14	b	1221	CLA	CHB-C4A-NA	2.11	127.44	124.40
14	L	1503	CLA	C6-C5-C3	-2.11	108.34	113.47
14	b	1216	CLA	CMD-C2D-C3D	-2.11	122.86	127.69
14	A	1141	CLA	O1D-CGD-CBD	-2.11	120.36	124.52
14	H	1217	CLA	CHD-C4C-C3C	-2.11	121.70	124.77
15	H	1219	F6C	CHC-C1C-C2C	-2.11	121.31	127.43
14	U	1503	CLA	C6-C5-C3	-2.11	108.34	113.47
14	G	1012	CLA	C6-C7-C8	-2.11	108.97	115.97
14	B	1233	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	A	1103	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	B	1223	CLA	CHA-C1A-NA	-2.10	121.63	126.39
15	a	1121	F6C	CBC-CAC-C3C	-2.10	106.72	112.42
15	B	1238	F6C	C4-C3-C5	2.10	118.88	115.23
14	b	1223	CLA	CHA-C1A-NA	-2.10	121.63	126.39
19	U	5102	LHG	C5-O7-C7	-2.10	112.76	117.80
14	b	1206	CLA	C4C-C3C-C2C	-2.10	103.83	106.89
14	a	1134	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	b	1228	CLA	CMC-C2C-C3C	2.10	131.84	126.15
15	B	1219	F6C	CHC-C1C-C2C	-2.10	121.32	127.43
14	H	1228	CLA	CMC-C2C-C3C	2.10	131.83	126.15
14	a	1102	CLA	C1-O2A-CGA	2.10	121.74	116.65
14	H	1235	CLA	CBA-CAA-C2A	2.10	120.05	113.79
14	H	1202	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	H	1233	CLA	CHC-C1C-C2C	-2.10	120.98	126.95
15	b	1237	F6C	C4C-C3C-C2C	-2.10	103.62	106.87
21	l	6002	LMT	O1'-C1'-C2'	2.10	111.46	108.27
14	B	1214	CLA	CAA-CBA-CGA	-2.10	107.24	113.21
14	H	1223	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	b	1022	CLA	CHA-C1A-NA	-2.10	121.63	126.39
15	b	1219	F6C	CHC-C1C-C2C	-2.10	121.33	127.43
14	a	1141	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
14	l	1503	CLA	C4D-C3D-CAD	2.10	110.39	108.11
14	B	1201	CLA	CAC-C3C-C4C	2.10	127.52	124.79
14	A	1103	CLA	CAA-C2A-C1A	-2.10	105.09	111.97
14	b	1218	CLA	CED-O2D-CGD	2.10	120.68	115.92
14	b	1240	CLA	CHC-C1C-C2C	-2.10	120.98	126.95
14	a	1138	CLA	CHB-C1B-C2B	-2.10	121.33	127.43
15	B	1207	F6C	CHC-C1C-C2C	-2.10	121.33	127.43
14	a	1103	CLA	CHC-C1C-C2C	-2.10	120.98	126.95
14	b	1235	CLA	CBA-CAA-C2A	2.10	120.04	113.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	b	4005	BCR	C37-C22-C21	-2.10	119.42	122.82
14	B	1206	CLA	C4C-C3C-C2C	-2.10	103.84	106.89
14	A	1139	CLA	CHA-C1A-NA	-2.10	121.64	126.39
14	a	1131	CLA	CMD-C2D-C3D	-2.10	122.88	127.69
14	G	1103	CLA	CAA-C2A-C1A	-2.10	105.10	111.97
14	A	1129	CLA	C4C-C3C-C2C	-2.10	103.84	106.89
15	A	1121	F6C	CMC-C2C-C1C	2.10	128.61	125.42
14	a	1103	CLA	CAA-C2A-C1A	-2.10	105.10	111.97
14	K	1401	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
15	A	1121	F6C	CBC-CAC-C3C	-2.10	106.73	112.42
14	G	1134	CLA	CHA-C1A-NA	-2.10	121.64	126.39
14	G	1103	CLA	CHC-C1C-C2C	-2.10	120.99	126.95
15	b	1238	F6C	C4-C3-C5	2.10	118.87	115.23
18	B	4010	BCR	C33-C5-C4	2.10	118.07	113.60
18	B	4006	BCR	C35-C13-C12	2.10	121.29	118.09
14	H	1232	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
15	H	1238	F6C	C4-C3-C5	2.10	118.87	115.23
14	G	1139	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
14	B	1240	CLA	CHC-C1C-C2C	-2.10	120.99	126.95
14	B	1022	CLA	CHA-C1A-NA	-2.10	121.65	126.39
14	H	1240	CLA	CHC-C1C-C2C	-2.10	120.99	126.95
21	U	6002	LMT	O1'-C1'-C2'	2.10	111.45	108.27
18	H	4017	BCR	C37-C22-C23	2.09	121.29	118.09
14	a	1103	CLA	C1-C2-C3	-2.09	122.77	126.20
14	B	1235	CLA	CMB-C2B-C3B	2.09	131.48	126.55
14	b	1235	CLA	CMB-C2B-C3B	2.09	131.48	126.55
14	H	1211	CLA	CMD-C2D-C3D	-2.09	122.89	127.69
14	H	1218	CLA	CED-O2D-CGD	2.09	120.67	115.92
14	H	1212	CLA	CMC-C2C-C3C	2.09	131.81	126.15
14	a	1137	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
15	H	1207	F6C	CHC-C1C-C2C	-2.09	121.35	127.43
14	a	1101	CLA	CAC-C3C-C4C	2.09	127.51	124.79
14	G	1012	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
14	H	1214	CLA	CED-O2D-CGD	2.09	120.66	115.92
14	A	1137	CLA	C4D-C3D-CAD	2.09	110.38	108.11
18	I	4020	BCR	C31-C1-C6	-2.09	106.96	110.24
15	b	1230	F6C	CHB-C1B-C2B	-2.09	120.90	125.07
14	G	1122	CLA	CMC-C2C-C1C	2.09	128.30	125.03
14	G	1135	CLA	CMC-C2C-C1C	2.09	128.30	125.03
14	B	1232	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
14	b	1203	CLA	C4D-C3D-CAD	2.09	110.38	108.11
14	B	1217	CLA	CHD-C4C-C3C	-2.09	121.72	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	L	4019	BCR	C15-C14-C13	-2.09	124.35	127.28
14	b	1228	CLA	C3C-C4C-NC	2.09	113.11	110.43
15	B	1230	F6C	CHB-C1B-C2B	-2.09	120.90	125.07
14	G	1106	CLA	C6-C5-C3	-2.09	108.38	113.47
18	H	4010	BCR	C33-C5-C4	2.09	118.05	113.60
14	B	1239	CLA	O1D-CGD-CBD	-2.09	120.40	124.52
14	a	1132	CLA	C16-C15-C13	-2.09	109.02	115.97
14	B	1228	CLA	C3C-C4C-NC	2.09	113.11	110.43
18	R	4020	BCR	C31-C1-C6	-2.09	106.97	110.24
14	G	1132	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
14	A	1131	CLA	CMD-C2D-C3D	-2.09	122.90	127.69
14	B	1239	CLA	CMD-C2D-C3D	-2.09	122.90	127.69
14	b	1239	CLA	CMD-C2D-C3D	-2.09	122.90	127.69
14	a	1141	CLA	CMD-C2D-C3D	-2.09	122.90	127.69
14	H	1203	CLA	CHB-C4A-NA	2.09	127.41	124.40
14	A	1112	CLA	C1-C2-C3	-2.09	122.78	126.20
14	A	1132	CLA	C16-C15-C13	-2.09	109.02	115.97
14	a	1129	CLA	C4C-C3C-C2C	-2.09	103.85	106.89
14	B	1203	CLA	C4D-C3D-CAD	2.09	110.37	108.11
15	G	1121	F6C	CBC-CAC-C3C	-2.09	106.76	112.42
18	a	4006	BCR	C12-C13-C14	-2.09	115.72	119.01
14	B	1022	CLA	CHB-C1B-C2B	-2.09	121.37	127.43
18	A	4003	BCR	C38-C26-C25	-2.09	122.21	124.48
18	B	4009	BCR	C36-C18-C17	-2.09	119.43	122.82
14	A	1125	CLA	CMB-C2B-C3B	2.09	131.46	126.55
14	T	1401	CLA	O1D-CGD-CBD	-2.09	120.40	124.52
21	L	6002	LMT	O1'-C1'-C2'	2.09	111.44	108.27
14	A	1139	CLA	CAC-C3C-C4C	2.09	127.50	124.79
14	G	1139	CLA	CAC-C3C-C4C	2.09	127.50	124.79
14	a	1139	CLA	CHA-C1A-NA	-2.09	121.67	126.39
18	H	4009	BCR	C36-C18-C17	-2.09	119.44	122.82
14	a	1132	CLA	CHB-C1B-C2B	-2.09	121.37	127.43
14	H	1203	CLA	C4D-C3D-CAD	2.09	110.37	108.11
18	T	4001	BCR	C27-C26-C25	-2.09	119.89	122.70
14	B	1214	CLA	CED-O2D-CGD	2.08	120.64	115.92
14	b	1212	CLA	CMC-C2C-C3C	2.08	131.79	126.15
14	U	1503	CLA	C4D-C3D-CAD	2.08	110.37	108.11
14	G	1139	CLA	CHA-C1A-NA	-2.08	121.67	126.39
14	A	1135	CLA	CMC-C2C-C1C	2.08	128.29	125.03
18	H	4009	BCR	C27-C26-C25	-2.08	119.89	122.70
15	H	1230	F6C	CMA-C3A-C2A	-2.08	120.51	126.15
15	b	1230	F6C	CMA-C3A-C2A	-2.08	120.51	126.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1203	CLA	CHB-C4A-NA	2.08	127.41	124.40
14	H	1239	CLA	CMD-C2D-C3D	-2.08	122.91	127.69
14	a	1109	CLA	CMB-C2B-C1B	2.08	128.59	125.42
14	A	1103	CLA	C1-C2-C3	-2.08	122.78	126.20
14	B	1212	CLA	CMC-C2C-C3C	2.08	131.78	126.15
14	A	1130	CLA	C4D-C3D-CAD	2.08	110.37	108.11
15	G	1121	F6C	CMC-C2C-C1C	2.08	128.59	125.42
14	A	1132	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
14	B	1218	CLA	CED-O2D-CGD	2.08	120.64	115.92
14	b	1231	CLA	CHB-C4A-NA	2.08	127.41	124.40
14	G	1137	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
15	B	1230	F6C	CMA-C3A-C2A	-2.08	120.52	126.15
14	A	1104	CLA	C1-O2A-CGA	2.08	121.69	116.65
14	A	1137	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
14	a	1112	CLA	C1-C2-C3	-2.08	122.79	126.20
14	a	1130	CLA	C4D-C3D-CAD	2.08	110.37	108.11
14	k	1401	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
15	H	1230	F6C	CHB-C1B-C2B	-2.08	120.92	125.07
14	B	1212	CLA	C4C-C3C-C2C	-2.08	103.86	106.89
14	H	1212	CLA	C4C-C3C-C2C	-2.08	103.86	106.89
14	a	1106	CLA	C6-C5-C3	-2.08	108.40	113.47
14	b	1201	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
14	A	1122	CLA	CMC-C2C-C1C	2.08	128.29	125.03
18	B	4009	BCR	C27-C26-C25	-2.08	119.89	122.70
14	A	1117	CLA	C3D-C4D-ND	2.08	113.37	109.99
14	G	1130	CLA	C4D-C3D-CAD	2.08	110.37	108.11
14	a	1139	CLA	CAC-C3C-C4C	2.08	127.50	124.79
20	B	5002	LMG	O6-C5-C6	2.08	111.60	106.44
14	b	1232	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
14	G	1132	CLA	C16-C15-C13	-2.08	109.05	115.97
14	H	1228	CLA	C3C-C4C-NC	2.08	113.09	110.43
14	a	1104	CLA	C1-O2A-CGA	2.08	121.69	116.65
14	L	1503	CLA	C4D-C3D-CAD	2.08	110.36	108.11
20	H	5002	LMG	O6-C5-C6	2.08	111.59	106.44
14	B	1211	CLA	CMD-C2D-C3D	-2.08	122.92	127.69
14	A	1134	CLA	CHA-C1A-NA	-2.08	121.68	126.39
18	b	4009	BCR	C36-C18-C17	-2.08	119.45	122.82
20	b	5002	LMG	O6-C5-C6	2.08	111.59	106.44
14	L	1503	CLA	CAA-C2A-C1A	-2.08	105.16	111.97
18	U	4019	BCR	C15-C14-C13	-2.08	124.36	127.28
14	G	1109	CLA	CMB-C2B-C1B	2.08	128.58	125.42
18	G	4003	BCR	C38-C26-C25	-2.08	122.22	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	1022	CLA	CHB-C1B-C2B	-2.08	121.40	127.43
14	H	1222	CLA	C4D-C3D-CAD	2.08	110.36	108.11
18	A	4006	BCR	C12-C13-C14	-2.08	115.74	119.01
14	B	1236	CLA	C4B-CHC-C1C	2.08	131.13	126.25
14	G	1112	CLA	C1-C2-C3	-2.08	122.80	126.20
14	G	1125	CLA	CMB-C2B-C3B	2.08	131.43	126.55
14	a	1127	CLA	CMA-C3A-C4A	2.08	117.35	111.77
14	H	1236	CLA	C4B-CHC-C1C	2.08	131.13	126.25
14	H	1215	CLA	CHB-C1B-C2B	-2.08	121.40	127.43
14	b	1211	CLA	CMD-C2D-C3D	-2.08	122.93	127.69
18	k	4001	BCR	C27-C26-C25	-2.08	119.90	122.70
14	b	1022	CLA	CHB-C1B-C2B	-2.07	121.40	127.43
14	G	1131	CLA	CMD-C2D-C3D	-2.07	122.93	127.69
14	a	1135	CLA	CMC-C2C-C1C	2.07	128.28	125.03
14	l	1503	CLA	CAA-C2A-C1A	-2.07	105.18	111.97
14	l	1501	CLA	O2A-C1-C2	2.07	116.09	108.11
14	H	1201	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
14	B	1216	CLA	C3C-C4C-NC	2.07	113.09	110.43
14	U	1503	CLA	CAA-C2A-C1A	-2.07	105.18	111.97
14	G	1104	CLA	C1-O2A-CGA	2.07	121.67	116.65
14	A	1106	CLA	C6-C5-C3	-2.07	108.42	113.47
14	B	1201	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
14	b	1215	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
14	b	1222	CLA	C4D-C3D-CAD	2.07	110.36	108.11
18	a	4004	BCR	C33-C5-C4	2.07	118.01	113.60
13	a	1011	CL0	C4C-C3C-C2C	-2.07	103.88	106.89
14	A	1132	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
14	a	1132	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
14	A	1108	CLA	C4C-C3C-C2C	-2.07	103.88	106.89
14	B	1202	CLA	C3C-C4C-NC	2.07	113.08	110.43
18	a	4003	BCR	C38-C26-C25	-2.07	122.22	124.48
18	G	4006	BCR	C1-C6-C5	-2.07	119.81	122.64
14	B	1222	CLA	C4D-C3D-CAD	2.07	110.35	108.11
14	G	1141	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
14	B	1204	CLA	C3C-C4C-NC	2.07	113.08	110.43
14	A	1133	CLA	CHC-C1C-C2C	-2.07	121.07	126.95
13	a	1011	CL0	C4D-C3D-CAD	2.07	110.35	108.11
14	G	1131	CLA	C4D-C3D-CAD	2.07	110.35	108.11
14	A	1127	CLA	CMA-C3A-C4A	2.07	117.33	111.77
14	B	1239	CLA	CHA-C4D-ND	2.07	136.81	132.55
14	b	1239	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
15	a	1121	F6C	CAC-C3C-C4C	2.07	127.76	124.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1115	CLA	C1-C2-C3	-2.07	122.81	126.20
14	b	1216	CLA	C3C-C4C-NC	2.07	113.08	110.43
14	b	1214	CLA	CED-O2D-CGD	2.07	120.60	115.92
14	b	1227	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
14	U	1501	CLA	O2A-C1-C2	2.07	116.06	108.11
14	b	1236	CLA	C4B-CHC-C1C	2.07	131.11	126.25
14	G	1132	CLA	CMD-C2D-C3D	-2.07	122.95	127.69
18	G	4004	BCR	C33-C5-C4	2.07	118.00	113.60
14	b	1212	CLA	C4C-C3C-C2C	-2.07	103.89	106.89
14	B	1215	CLA	CHB-C1B-C2B	-2.07	121.43	127.43
14	U	1501	CLA	CMD-C2D-C3D	-2.07	122.95	127.69
14	L	1501	CLA	CMD-C2D-C3D	-2.06	122.95	127.69
14	B	1203	CLA	CHB-C4A-NA	2.06	127.38	124.40
14	H	1239	CLA	CHA-C4D-ND	2.06	136.81	132.55
14	L	1501	CLA	O2A-C1-C2	2.06	116.05	108.11
13	A	1011	CL0	C4D-C3D-CAD	2.06	110.35	108.11
18	b	4005	BCR	C23-C22-C21	2.06	122.25	119.01
14	A	1109	CLA	CMB-C2B-C1B	2.06	128.56	125.42
14	G	1104	CLA	CHD-C4C-C3C	-2.06	121.77	124.77
14	A	1141	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
13	G	1011	CL0	C4D-C3D-CAD	2.06	110.35	108.11
14	H	1233	CLA	C4B-CHC-C1C	2.06	131.10	126.25
14	b	1221	CLA	C4D-C3D-CAD	2.06	110.35	108.11
14	G	1133	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	l	1501	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
14	a	1133	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	a	1117	CLA	C3D-C4D-ND	2.06	113.34	109.99
15	B	1237	F6C	CHD-C1D-ND	-2.06	121.21	124.31
14	G	1127	CLA	CMA-C3A-C4A	2.06	117.31	111.77
14	B	1233	CLA	CAC-C3C-C4C	2.06	127.47	124.79
14	V	1501	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	a	1119	CLA	C4C-C3C-C2C	-2.06	103.89	106.89
14	G	1114	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	a	1122	CLA	CMC-C2C-C1C	2.06	128.25	125.03
18	K	4001	BCR	C27-C26-C25	-2.06	119.92	122.70
13	G	1011	CL0	C4C-C3C-C2C	-2.06	103.89	106.89
15	H	1237	F6C	CHD-C1D-ND	-2.06	121.21	124.31
18	G	4001	BCR	C28-C27-C26	-2.06	110.39	114.06
15	A	1121	F6C	CAC-C3C-C4C	2.06	127.74	124.91
14	a	1108	CLA	C4C-C3C-C2C	-2.06	103.90	106.89
14	G	1111	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
14	A	1115	CLA	C1-C2-C3	-2.06	122.83	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	1227	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
14	a	1131	CLA	C4D-C3D-CAD	2.06	110.34	108.11
14	M	1501	CLA	CHC-C1C-C2C	-2.06	121.10	126.95
18	A	4004	BCR	C33-C5-C4	2.06	117.98	113.60
14	G	1140	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
20	G	5003	LMG	C4-C3-C2	2.06	114.44	110.83
15	G	1121	F6C	CAC-C3C-C4C	2.06	127.74	124.91
14	m	1501	CLA	CHC-C1C-C2C	-2.06	121.11	126.95
14	B	1233	CLA	C4B-CHC-C1C	2.05	131.08	126.25
14	B	1222	CLA	C4C-C3C-C2C	-2.05	103.90	106.89
14	B	1218	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	a	1109	CLA	CMC-C2C-C1C	2.05	128.24	125.03
14	G	1115	CLA	C1-C2-C3	-2.05	122.83	126.20
14	H	1216	CLA	C3C-C4C-NC	2.05	113.06	110.43
20	a	5003	LMG	C4-C3-C2	2.05	114.43	110.83
18	B	4006	BCR	C33-C5-C4	2.05	117.97	113.60
18	G	4006	BCR	C12-C13-C14	-2.05	115.78	119.01
14	a	1117	CLA	CMC-C2C-C3C	2.05	131.70	126.15
13	A	1011	CL0	C4C-C3C-C2C	-2.05	103.90	106.89
14	A	1117	CLA	CMC-C2C-C3C	2.05	131.70	126.15
14	G	1108	CLA	C4C-C3C-C2C	-2.05	103.91	106.89
18	a	4002	BCR	C2-C1-C6	2.05	113.42	110.44
14	H	1240	CLA	C4D-C3D-CAD	2.05	110.33	108.11
14	a	1107	CLA	CAA-CBA-CGA	-2.05	107.02	112.49
14	B	1240	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
14	b	1233	CLA	CAC-C3C-C4C	2.05	127.46	124.79
14	G	1104	CLA	CMB-C2B-C3B	2.05	131.37	126.55
14	A	1131	CLA	C4D-C3D-CAD	2.05	110.33	108.11
14	G	1117	CLA	C3D-C4D-ND	2.05	113.32	109.99
18	A	4001	BCR	C28-C27-C26	-2.05	110.40	114.06
14	B	1223	CLA	CMA-C3A-C4A	2.05	117.28	111.77
18	b	4006	BCR	C33-C5-C4	2.05	117.97	113.60
18	a	4001	BCR	C28-C27-C26	-2.05	110.40	114.06
14	b	1218	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	b	1233	CLA	C4B-CHC-C1C	2.05	131.06	126.25
14	b	1240	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
14	b	1239	CLA	CHA-C4D-ND	2.05	136.78	132.55
14	H	1227	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	A	1104	CLA	CMB-C2B-C3B	2.05	131.37	126.55
14	H	1205	CLA	CHC-C1C-NC	-2.05	121.23	124.31
14	A	1111	CLA	CMD-C2D-C3D	-2.05	122.99	127.69
18	b	4005	BCR	C8-C9-C10	2.05	122.23	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1223	CLA	CMA-C3A-C4A	2.05	117.28	111.77
14	a	1104	CLA	C3C-C4C-NC	2.05	113.05	110.43
18	B	4005	BCR	C8-C9-C10	2.05	122.23	119.01
18	H	4005	BCR	C23-C22-C21	2.05	122.23	119.01
18	b	4009	BCR	C27-C26-C25	-2.05	119.94	122.70
14	U	1501	CLA	CHC-C1C-C2C	-2.05	121.14	126.95
14	A	1114	CLA	C3C-C4C-NC	2.05	113.05	110.43
14	H	1222	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	B	1023	CLA	O2D-CGD-O1D	-2.04	119.87	123.85
18	B	4005	BCR	C23-C22-C21	2.04	122.22	119.01
14	a	1136	CLA	CMB-C2B-C1B	2.04	128.53	125.42
14	H	1218	CLA	CHB-C4A-NA	2.04	127.35	124.40
14	A	1123	CLA	CHD-C4C-C3C	-2.04	121.80	124.77
18	A	4006	BCR	C1-C6-C5	-2.04	119.84	122.64
14	a	1104	CLA	CMB-C2B-C3B	2.04	131.35	126.55
14	H	1233	CLA	CAC-C3C-C4C	2.04	127.45	124.79
14	b	1205	CLA	CHC-C1C-NC	-2.04	121.23	124.31
14	H	1240	CLA	CHB-C1B-C2B	-2.04	121.50	127.43
14	a	1123	CLA	CHD-C4C-C3C	-2.04	121.80	124.77
14	a	1114	CLA	C3C-C4C-NC	2.04	113.05	110.43
18	b	4014	BCR	C7-C8-C9	-2.04	123.21	126.23
14	A	1107	CLA	CAA-CBA-CGA	-2.04	107.05	112.49
14	H	1204	CLA	C3C-C4C-NC	2.04	113.05	110.43
18	A	4002	BCR	C2-C1-C6	2.04	113.40	110.44
14	a	1130	CLA	C1-O2A-CGA	2.04	121.59	116.65
14	G	1111	CLA	CMD-C2D-C3D	-2.04	123.01	127.69
14	b	1204	CLA	C3C-C4C-NC	2.04	113.04	110.43
18	G	4002	BCR	C2-C1-C6	2.04	113.40	110.44
14	A	1111	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
14	H	1231	CLA	C1-O2A-CGA	2.04	121.59	116.65
14	b	1202	CLA	C3C-C4C-NC	2.04	113.04	110.43
14	A	1130	CLA	C1-O2A-CGA	2.04	121.59	116.65
14	A	1104	CLA	CHD-C4C-C3C	-2.04	121.80	124.77
14	A	1125	CLA	C4D-C3D-CAD	2.04	110.32	108.11
14	l	1501	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	G	1104	CLA	C3C-C4C-NC	2.04	113.04	110.43
14	G	1113	CLA	CAC-C3C-C4C	2.04	127.44	124.79
14	H	1223	CLA	CMA-C3A-C4A	2.04	117.25	111.77
20	A	5003	LMG	C4-C3-C2	2.04	114.41	110.83
14	A	1109	CLA	CMC-C2C-C1C	2.04	128.22	125.03
18	A	4001	BCR	C34-C9-C10	-2.04	119.52	122.82
14	G	1117	CLA	CMC-C2C-C3C	2.04	131.66	126.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	1125	CLA	C4D-C3D-CAD	2.04	110.32	108.11
14	B	1228	CLA	CHB-C1B-C2B	-2.04	121.52	127.43
14	G	1130	CLA	C1-O2A-CGA	2.04	121.58	116.65
14	A	1140	CLA	O1D-CGD-CBD	-2.04	120.50	124.52
18	a	4001	BCR	C34-C9-C10	-2.04	119.52	122.82
14	L	1501	CLA	CHC-C1C-C2C	-2.03	121.17	126.95
14	B	1231	CLA	C1-O2A-CGA	2.03	121.58	116.65
18	H	4014	BCR	C7-C8-C9	-2.03	123.22	126.23
14	b	1231	CLA	C1-O2A-CGA	2.03	121.58	116.65
21	B	6001	LMT	C1'-O5'-C5'	-2.03	109.75	113.72
14	H	1022	CLA	O2A-C1-C2	2.03	115.93	108.11
14	b	1210	CLA	C4D-C3D-CAD	2.03	110.31	108.11
14	G	1107	CLA	CAA-CBA-CGA	-2.03	107.07	112.49
21	b	6001	LMT	C1'-O5'-C5'	-2.03	109.75	113.72
14	a	1125	CLA	C3D-C4D-ND	2.03	113.29	109.99
15	b	1230	F6C	C4C-C3C-C2C	-2.03	103.72	106.87
14	H	1229	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
14	A	1104	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	B	1215	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	H	1210	CLA	C4D-C3D-CAD	2.03	110.31	108.11
14	G	1122	CLA	CHC-C1C-C2C	-2.03	121.18	126.95
14	b	1228	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
18	H	4005	BCR	C8-C9-C10	2.03	122.20	119.01
15	b	1207	F6C	CMA-C3A-C2A	-2.03	120.66	126.15
14	b	1215	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	B	1210	CLA	C4D-C3D-CAD	2.03	110.31	108.11
14	A	1113	CLA	CAC-C3C-C4C	2.03	127.43	124.79
14	A	1112	CLA	C4C-C3C-C2C	-2.03	103.94	106.89
14	b	1023	CLA	O2D-CGD-O1D	-2.03	119.90	123.85
14	H	1221	CLA	C4D-C3D-CAD	2.03	110.31	108.11
18	b	4009	BCR	C4-C5-C6	-2.03	119.96	122.70
14	A	1123	CLA	CAA-C2A-C3A	-2.03	107.52	113.00
18	H	4006	BCR	C33-C5-C4	2.03	117.92	113.60
14	H	1228	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
14	A	1108	CLA	CAC-C3C-C4C	2.03	127.43	124.79
14	A	1119	CLA	C4C-C3C-C2C	-2.03	103.94	106.89
14	B	1229	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
14	B	1221	CLA	C4D-C3D-CAD	2.03	110.31	108.11
18	B	4004	BCR	C37-C22-C21	-2.03	119.53	122.82
18	a	4006	BCR	C1-C6-C5	-2.03	119.86	122.64
15	B	1207	F6C	CMA-C3A-C2A	-2.03	120.67	126.15
14	A	1124	CLA	CAA-C2A-C3A	-2.03	107.52	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	1111	CLA	CMD-C2D-C3D	-2.03	123.04	127.69
14	A	1136	CLA	CMB-C2B-C1B	2.03	128.50	125.42
14	H	1239	CLA	C4D-C3D-CAD	2.03	110.31	108.11
14	b	1222	CLA	C4C-C3C-C2C	-2.03	103.94	106.89
14	B	1205	CLA	CHC-C1C-NC	-2.03	121.26	124.31
14	A	1125	CLA	CAA-CBA-CGA	-2.03	107.45	113.21
14	a	1124	CLA	CAA-C2A-C3A	-2.03	107.52	113.00
14	H	1215	CLA	C4D-C3D-CAD	2.03	110.31	108.11
14	b	1233	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
14	a	1108	CLA	CAC-C3C-C4C	2.02	127.42	124.79
18	H	4004	BCR	C37-C22-C21	-2.02	119.54	122.82
18	R	4020	BCR	C39-C30-C25	2.02	113.42	110.24
15	B	1230	F6C	C4C-C3C-C2C	-2.02	103.74	106.87
14	G	1112	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	G	1119	CLA	C4C-C3C-C2C	-2.02	103.95	106.89
14	G	1125	CLA	CAA-CBA-CGA	-2.02	107.47	113.21
14	B	1022	CLA	O2A-C1-C2	2.02	115.89	108.11
14	a	1140	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	b	1229	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
15	b	1230	F6C	OMB-CMB-C2B	-2.02	121.06	125.62
14	G	1123	CLA	CAA-C2A-C3A	-2.02	107.54	113.00
14	G	1135	CLA	CHA-C4D-ND	2.02	136.72	132.55
18	B	4014	BCR	C7-C8-C9	-2.02	123.25	126.23
14	a	1125	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	G	1117	CLA	CHA-C4D-ND	2.02	136.72	132.55
21	H	6001	LMT	C1'-O5'-C5'	-2.02	109.77	113.72
15	H	1230	F6C	C4C-C3C-C2C	-2.02	103.74	106.87
14	a	1125	CLA	CAA-CBA-CGA	-2.02	107.47	113.21
14	G	1124	CLA	CAA-C2A-C3A	-2.02	107.54	113.00
14	b	1022	CLA	O2A-C1-C2	2.02	115.88	108.11
18	a	4003	BCR	C36-C18-C17	-2.02	119.54	122.82
14	G	1112	CLA	C4C-C3C-C2C	-2.02	103.95	106.89
14	a	1111	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	a	1114	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	b	1215	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	G	1116	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
14	a	1117	CLA	C4-C3-C5	2.02	118.73	115.23
18	i	4020	BCR	C24-C23-C22	-2.02	123.25	126.23
15	b	1237	F6C	CHD-C1D-ND	-2.02	121.27	124.31
20	H	5002	LMG	C19-C18-C17	2.02	124.57	114.37
14	H	1023	CLA	O2D-CGD-O1D	-2.02	119.92	123.85
14	a	1112	CLA	CHC-C1C-C2C	-2.02	121.21	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	G	4001	BCR	C34-C9-C10	-2.02	119.55	122.82
19	a	5002	LHG	C5-O7-C7	-2.02	112.97	117.80
14	G	1123	CLA	CHD-C4C-C3C	-2.02	121.83	124.77
14	A	1112	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
14	a	1104	CLA	CHD-C4C-C3C	-2.02	121.83	124.77
18	b	4004	BCR	C37-C22-C21	-2.02	119.55	122.82
14	G	1109	CLA	CMC-C2C-C1C	2.02	128.18	125.03
14	A	1125	CLA	C3D-C4D-ND	2.02	113.26	109.99
14	b	1217	CLA	CMD-C2D-C3D	-2.01	123.07	127.69
15	H	1207	F6C	C1-O2A-CGA	2.01	121.53	116.65
14	b	1240	CLA	CMB-C2B-C3B	2.01	131.29	126.55
15	H	1230	F6C	OMB-CMB-C2B	-2.01	121.08	125.62
14	A	1117	CLA	C4-C3-C5	2.01	118.72	115.23
14	A	1135	CLA	CHA-C4D-ND	2.01	136.70	132.55
14	A	1122	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
21	G	6001	LMT	O5B-C5B-C6B	2.01	111.43	106.44
14	H	1240	CLA	C3C-C4C-NC	2.01	113.01	110.43
14	B	1240	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	a	1112	CLA	C4C-C3C-C2C	-2.01	103.96	106.89
14	a	1108	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
18	I	4020	BCR	C39-C30-C25	2.01	113.40	110.24
14	b	1239	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	b	1236	CLA	CHC-C1C-NC	-2.01	121.28	124.31
15	B	1230	F6C	OMB-CMB-C2B	-2.01	121.08	125.62
21	A	6001	LMT	O5B-C5B-C6B	2.01	111.42	106.44
14	G	1127	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	b	1240	CLA	C3C-C4C-NC	2.01	113.01	110.43
14	B	1236	CLA	CHC-C1C-NC	-2.01	121.28	124.31
21	a	6001	LMT	O5B-C5B-C6B	2.01	111.42	106.44
14	G	1136	CLA	CMB-C2B-C1B	2.01	128.48	125.42
19	G	5002	LHG	C5-O7-C7	-2.01	112.99	117.80
14	b	1223	CLA	CHA-C4D-ND	2.01	136.69	132.55
20	b	5002	LMG	C19-C18-C17	2.01	124.52	114.37
14	a	1123	CLA	CAA-C2A-C3A	-2.01	107.57	113.00
14	A	1102	CLA	CAC-C3C-C4C	2.01	127.40	124.79
15	H	1207	F6C	CMA-C3A-C2A	-2.01	120.72	126.15
14	G	1126	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	b	1240	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	a	1136	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
21	l	6002	LMT	O5B-C5B-C6B	2.01	111.42	106.44
18	A	4003	BCR	C36-C18-C17	-2.01	119.56	122.82
18	I	4018	BCR	C34-C9-C8	2.01	121.16	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	1236	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
21	U	6002	LMT	O5B-C5B-C6B	2.01	111.41	106.44
14	a	1113	CLA	CAC-C3C-C4C	2.01	127.40	124.79
20	B	5002	LMG	C19-C18-C17	2.01	124.51	114.37
14	H	1215	CLA	C3C-C4C-NC	2.01	113.00	110.43
21	L	6002	LMT	O5B-C5B-C6B	2.01	111.41	106.44
14	B	1204	CLA	CMD-C2D-C3D	-2.01	123.09	127.69
14	G	1108	CLA	CAC-C3C-C4C	2.01	127.40	124.79
14	B	1215	CLA	C4D-C3D-CAD	2.01	110.28	108.11
14	b	1225	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
14	G	1102	CLA	CAC-C3C-C4C	2.01	127.40	124.79
14	G	1125	CLA	C3D-C4D-ND	2.01	113.25	109.99
14	H	1224	CLA	CHB-C1B-C2B	-2.01	121.61	127.43
14	G	1117	CLA	C4-C3-C5	2.00	118.71	115.23
18	a	4003	BCR	C1-C6-C5	-2.00	119.90	122.64
14	B	1236	CLA	CMD-C2D-C3D	-2.00	123.09	127.69
14	H	1236	CLA	CHC-C1C-NC	-2.00	121.29	124.31
14	A	1127	CLA	C4D-C3D-CAD	2.00	110.28	108.11
19	A	5002	LHG	C5-O7-C7	-2.00	113.00	117.80
14	A	1124	CLA	CMB-C2B-C3B	2.00	131.26	126.55
14	H	1236	CLA	CMD-C2D-C3D	-2.00	123.09	127.69
14	B	1225	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	a	1111	CLA	CMB-C2B-C3B	2.00	131.26	126.55
14	U	1502	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	A	1136	CLA	CMD-C2D-C3D	-2.00	123.10	127.69
14	G	1136	CLA	CMD-C2D-C3D	-2.00	123.10	127.69
14	a	1135	CLA	CHA-C4D-ND	2.00	136.68	132.55
14	B	1217	CLA	CMD-C2D-C3D	-2.00	123.10	127.69
15	B	1207	F6C	C1-O2A-CGA	2.00	121.49	116.65
14	A	1108	CLA	CMD-C2D-C3D	-2.00	123.10	127.69
18	i	4020	BCR	C39-C30-C25	2.00	113.38	110.24
21	B	6003	LMT	O6'-C6'-C5'	-2.00	104.52	111.33
21	H	6003	LMT	O6'-C6'-C5'	-2.00	104.52	111.33
14	B	1233	CLA	O1D-CGD-CBD	-2.00	120.57	124.52

All (18) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
15	A	1121	F6C	NA
15	B	1207	F6C	NA
15	B	1219	F6C	NA
15	B	1230	F6C	NA

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Mol	Chain	Res	Type	Atom
15	B	1237	F6C	NA
15	B	1238	F6C	NA
15	G	1121	F6C	NA
15	H	1207	F6C	NA
15	H	1219	F6C	NA
15	H	1230	F6C	NA
15	H	1237	F6C	NA
15	H	1238	F6C	NA
15	a	1121	F6C	NA
15	b	1207	F6C	NA
15	b	1219	F6C	NA
15	b	1230	F6C	NA
15	b	1237	F6C	NA
15	b	1238	F6C	NA

All (4622) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A	1013	CLA	C1A-C2A-CAA-CBA
14	A	1013	CLA	C3A-C2A-CAA-CBA
14	A	1101	CLA	CHA-CBD-CGD-O1D
14	A	1101	CLA	CHA-CBD-CGD-O2D
14	A	1103	CLA	CAD-CBD-CGD-O1D
14	A	1103	CLA	CAD-CBD-CGD-O2D
14	A	1106	CLA	C3A-C2A-CAA-CBA
14	A	1106	CLA	CHA-CBD-CGD-O1D
14	A	1106	CLA	CHA-CBD-CGD-O2D
14	A	1107	CLA	CBD-CGD-O2D-CED
14	A	1108	CLA	CBD-CGD-O2D-CED
14	A	1111	CLA	CBA-CGA-O2A-C1
14	A	1111	CLA	O1A-CGA-O2A-C1
14	A	1112	CLA	C1A-C2A-CAA-CBA
14	A	1112	CLA	CBD-CGD-O2D-CED
14	A	1113	CLA	C3A-C2A-CAA-CBA
14	A	1114	CLA	CHA-CBD-CGD-O1D
14	A	1114	CLA	CHA-CBD-CGD-O2D
14	A	1115	CLA	C1A-C2A-CAA-CBA
14	A	1115	CLA	CHA-CBD-CGD-O1D
14	A	1115	CLA	CHA-CBD-CGD-O2D
14	A	1115	CLA	CBD-CGD-O2D-CED
14	A	1116	CLA	C1A-C2A-CAA-CBA
14	A	1116	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	1116	CLA	C4B-C3B-CAB-CBB
14	A	1117	CLA	C1A-C2A-CAA-CBA
14	A	1117	CLA	C3A-C2A-CAA-CBA
14	A	1117	CLA	CHA-CBD-CGD-O1D
14	A	1117	CLA	CHA-CBD-CGD-O2D
14	A	1118	CLA	C1A-C2A-CAA-CBA
14	A	1118	CLA	C2-C1-O2A-CGA
14	A	1120	CLA	C3A-C2A-CAA-CBA
14	A	1122	CLA	C1A-C2A-CAA-CBA
14	A	1122	CLA	C3A-C2A-CAA-CBA
14	A	1122	CLA	C2B-C3B-CAB-CBB
14	A	1122	CLA	C4B-C3B-CAB-CBB
14	A	1123	CLA	C2-C1-O2A-CGA
14	A	1124	CLA	C1A-C2A-CAA-CBA
14	A	1124	CLA	C3A-C2A-CAA-CBA
14	A	1125	CLA	C1A-C2A-CAA-CBA
14	A	1125	CLA	C3A-C2A-CAA-CBA
14	A	1128	CLA	CHA-CBD-CGD-O1D
14	A	1128	CLA	CHA-CBD-CGD-O2D
14	A	1130	CLA	C1A-C2A-CAA-CBA
14	A	1131	CLA	C2-C1-O2A-CGA
14	A	1131	CLA	C2B-C3B-CAB-CBB
14	A	1131	CLA	C4B-C3B-CAB-CBB
14	A	1131	CLA	CBD-CGD-O2D-CED
14	A	1132	CLA	CHA-CBD-CGD-O1D
14	A	1132	CLA	CHA-CBD-CGD-O2D
14	A	1134	CLA	C1A-C2A-CAA-CBA
14	A	1134	CLA	C3A-C2A-CAA-CBA
14	A	1135	CLA	CBD-CGD-O2D-CED
14	A	1138	CLA	C1A-C2A-CAA-CBA
14	A	1138	CLA	C3A-C2A-CAA-CBA
14	A	1139	CLA	C1A-C2A-CAA-CBA
14	A	1139	CLA	C3A-C2A-CAA-CBA
14	A	1139	CLA	CBD-CGD-O2D-CED
14	A	1140	CLA	C1A-C2A-CAA-CBA
14	A	1141	CLA	C1A-C2A-CAA-CBA
14	A	1141	CLA	C3A-C2A-CAA-CBA
14	A	1141	CLA	C2B-C3B-CAB-CBB
14	A	1141	CLA	C4B-C3B-CAB-CBB
14	B	1021	CLA	CBD-CGD-O2D-CED
14	B	1022	CLA	C3A-C2A-CAA-CBA
14	B	1202	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B	1202	CLA	CAD-CBD-CGD-O1D
14	B	1202	CLA	CAD-CBD-CGD-O2D
14	B	1203	CLA	C1A-C2A-CAA-CBA
14	B	1203	CLA	CHA-CBD-CGD-O1D
14	B	1203	CLA	CHA-CBD-CGD-O2D
14	B	1205	CLA	C4B-C3B-CAB-CBB
14	B	1205	CLA	CHA-CBD-CGD-O1D
14	B	1205	CLA	CHA-CBD-CGD-O2D
14	B	1206	CLA	O1A-CGA-O2A-C1
14	B	1208	CLA	CBA-CGA-O2A-C1
14	B	1208	CLA	O1A-CGA-O2A-C1
14	B	1209	CLA	C1A-C2A-CAA-CBA
14	B	1209	CLA	C3A-C2A-CAA-CBA
14	B	1209	CLA	C4B-C3B-CAB-CBB
14	B	1210	CLA	C1A-C2A-CAA-CBA
14	B	1210	CLA	C3A-C2A-CAA-CBA
14	B	1214	CLA	C2B-C3B-CAB-CBB
14	B	1214	CLA	C4B-C3B-CAB-CBB
14	B	1215	CLA	C3A-C2A-CAA-CBA
14	B	1216	CLA	C2B-C3B-CAB-CBB
14	B	1216	CLA	C4B-C3B-CAB-CBB
14	B	1217	CLA	C1A-C2A-CAA-CBA
14	B	1217	CLA	C3A-C2A-CAA-CBA
14	B	1217	CLA	C2B-C3B-CAB-CBB
14	B	1217	CLA	C4B-C3B-CAB-CBB
14	B	1218	CLA	CHA-CBD-CGD-O1D
14	B	1218	CLA	CHA-CBD-CGD-O2D
14	B	1220	CLA	CBA-CGA-O2A-C1
14	B	1221	CLA	C1A-C2A-CAA-CBA
14	B	1221	CLA	C3A-C2A-CAA-CBA
14	B	1221	CLA	CBA-CGA-O2A-C1
14	B	1221	CLA	O1A-CGA-O2A-C1
14	B	1221	CLA	CHA-CBD-CGD-O1D
14	B	1221	CLA	CHA-CBD-CGD-O2D
14	B	1222	CLA	CHA-CBD-CGD-O1D
14	B	1222	CLA	CHA-CBD-CGD-O2D
14	B	1223	CLA	C11-C10-C8-C7
14	B	1224	CLA	C12-C13-C15-C16
14	B	1225	CLA	C1A-C2A-CAA-CBA
14	B	1225	CLA	C3A-C2A-CAA-CBA
14	B	1226	CLA	C2-C1-O2A-CGA
14	B	1228	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B	1229	CLA	C1A-C2A-CAA-CBA
14	B	1229	CLA	C3A-C2A-CAA-CBA
14	B	1229	CLA	C2-C1-O2A-CGA
14	B	1229	CLA	CBD-CGD-O2D-CED
14	B	1231	CLA	C2B-C3B-CAB-CBB
14	B	1231	CLA	C4B-C3B-CAB-CBB
14	B	1232	CLA	CBD-CGD-O2D-CED
14	B	1233	CLA	CBD-CGD-O2D-CED
14	B	1236	CLA	C1A-C2A-CAA-CBA
14	B	1236	CLA	CHA-CBD-CGD-O1D
14	B	1236	CLA	CHA-CBD-CGD-O2D
14	B	1239	CLA	C2B-C3B-CAB-CBB
14	B	1239	CLA	C4B-C3B-CAB-CBB
14	K	1401	CLA	C1A-C2A-CAA-CBA
14	K	1401	CLA	C3A-C2A-CAA-CBA
14	K	1401	CLA	C2B-C3B-CAB-CBB
14	K	1401	CLA	C4B-C3B-CAB-CBB
14	K	1401	CLA	CHA-CBD-CGD-O1D
14	K	1401	CLA	CHA-CBD-CGD-O2D
14	L	1502	CLA	C4B-C3B-CAB-CBB
14	L	1503	CLA	C1A-C2A-CAA-CBA
14	L	1503	CLA	CBA-CGA-O2A-C1
14	L	1503	CLA	O1A-CGA-O2A-C1
14	M	1501	CLA	C2B-C3B-CAB-CBB
14	M	1501	CLA	C4B-C3B-CAB-CBB
14	M	1501	CLA	CBD-CGD-O2D-CED
14	G	1013	CLA	C1A-C2A-CAA-CBA
14	G	1013	CLA	C3A-C2A-CAA-CBA
14	G	1101	CLA	CHA-CBD-CGD-O1D
14	G	1101	CLA	CHA-CBD-CGD-O2D
14	G	1103	CLA	CAD-CBD-CGD-O1D
14	G	1103	CLA	CAD-CBD-CGD-O2D
14	G	1106	CLA	C3A-C2A-CAA-CBA
14	G	1106	CLA	CHA-CBD-CGD-O1D
14	G	1106	CLA	CHA-CBD-CGD-O2D
14	G	1107	CLA	CBD-CGD-O2D-CED
14	G	1108	CLA	CBD-CGD-O2D-CED
14	G	1111	CLA	CBA-CGA-O2A-C1
14	G	1111	CLA	O1A-CGA-O2A-C1
14	G	1112	CLA	C1A-C2A-CAA-CBA
14	G	1112	CLA	CBD-CGD-O2D-CED
14	G	1113	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	G	1114	CLA	CHA-CBD-CGD-O1D
14	G	1114	CLA	CHA-CBD-CGD-O2D
14	G	1115	CLA	C1A-C2A-CAA-CBA
14	G	1115	CLA	CHA-CBD-CGD-O1D
14	G	1115	CLA	CHA-CBD-CGD-O2D
14	G	1115	CLA	CBD-CGD-O2D-CED
14	G	1116	CLA	C1A-C2A-CAA-CBA
14	G	1116	CLA	C3A-C2A-CAA-CBA
14	G	1116	CLA	C4B-C3B-CAB-CBB
14	G	1117	CLA	C1A-C2A-CAA-CBA
14	G	1117	CLA	C3A-C2A-CAA-CBA
14	G	1117	CLA	CHA-CBD-CGD-O1D
14	G	1117	CLA	CHA-CBD-CGD-O2D
14	G	1118	CLA	C1A-C2A-CAA-CBA
14	G	1118	CLA	C2-C1-O2A-CGA
14	G	1120	CLA	C3A-C2A-CAA-CBA
14	G	1122	CLA	C1A-C2A-CAA-CBA
14	G	1122	CLA	C3A-C2A-CAA-CBA
14	G	1122	CLA	C2B-C3B-CAB-CBB
14	G	1122	CLA	C4B-C3B-CAB-CBB
14	G	1123	CLA	C2-C1-O2A-CGA
14	G	1124	CLA	C1A-C2A-CAA-CBA
14	G	1124	CLA	C3A-C2A-CAA-CBA
14	G	1125	CLA	C1A-C2A-CAA-CBA
14	G	1125	CLA	C3A-C2A-CAA-CBA
14	G	1128	CLA	CHA-CBD-CGD-O1D
14	G	1128	CLA	CHA-CBD-CGD-O2D
14	G	1130	CLA	C1A-C2A-CAA-CBA
14	G	1131	CLA	C2-C1-O2A-CGA
14	G	1131	CLA	C2B-C3B-CAB-CBB
14	G	1131	CLA	C4B-C3B-CAB-CBB
14	G	1131	CLA	CBD-CGD-O2D-CED
14	G	1132	CLA	CHA-CBD-CGD-O1D
14	G	1132	CLA	CHA-CBD-CGD-O2D
14	G	1134	CLA	C1A-C2A-CAA-CBA
14	G	1134	CLA	C3A-C2A-CAA-CBA
14	G	1135	CLA	CBD-CGD-O2D-CED
14	G	1138	CLA	C1A-C2A-CAA-CBA
14	G	1138	CLA	C3A-C2A-CAA-CBA
14	G	1139	CLA	C1A-C2A-CAA-CBA
14	G	1139	CLA	C3A-C2A-CAA-CBA
14	G	1139	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	1140	CLA	C1A-C2A-CAA-CBA
14	G	1141	CLA	C1A-C2A-CAA-CBA
14	G	1141	CLA	C3A-C2A-CAA-CBA
14	G	1141	CLA	C2B-C3B-CAB-CBB
14	G	1141	CLA	C4B-C3B-CAB-CBB
14	H	1021	CLA	CBD-CGD-O2D-CED
14	H	1022	CLA	C3A-C2A-CAA-CBA
14	H	1202	CLA	C3A-C2A-CAA-CBA
14	H	1202	CLA	CAD-CBD-CGD-O1D
14	H	1202	CLA	CAD-CBD-CGD-O2D
14	H	1203	CLA	C1A-C2A-CAA-CBA
14	H	1203	CLA	CHA-CBD-CGD-O1D
14	H	1203	CLA	CHA-CBD-CGD-O2D
14	H	1205	CLA	C4B-C3B-CAB-CBB
14	H	1205	CLA	CHA-CBD-CGD-O1D
14	H	1205	CLA	CHA-CBD-CGD-O2D
14	H	1206	CLA	O1A-CGA-O2A-C1
14	H	1208	CLA	CBA-CGA-O2A-C1
14	H	1208	CLA	O1A-CGA-O2A-C1
14	H	1209	CLA	C1A-C2A-CAA-CBA
14	H	1209	CLA	C3A-C2A-CAA-CBA
14	H	1209	CLA	C4B-C3B-CAB-CBB
14	H	1210	CLA	C1A-C2A-CAA-CBA
14	H	1210	CLA	C3A-C2A-CAA-CBA
14	H	1213	CLA	C1A-C2A-CAA-CBA
14	H	1214	CLA	C2B-C3B-CAB-CBB
14	H	1214	CLA	C4B-C3B-CAB-CBB
14	H	1215	CLA	C3A-C2A-CAA-CBA
14	H	1216	CLA	C2B-C3B-CAB-CBB
14	H	1216	CLA	C4B-C3B-CAB-CBB
14	H	1217	CLA	C1A-C2A-CAA-CBA
14	H	1217	CLA	C3A-C2A-CAA-CBA
14	H	1217	CLA	C2B-C3B-CAB-CBB
14	H	1217	CLA	C4B-C3B-CAB-CBB
14	H	1218	CLA	CHA-CBD-CGD-O1D
14	H	1218	CLA	CHA-CBD-CGD-O2D
14	H	1220	CLA	CBA-CGA-O2A-C1
14	H	1221	CLA	C1A-C2A-CAA-CBA
14	H	1221	CLA	C3A-C2A-CAA-CBA
14	H	1221	CLA	CBA-CGA-O2A-C1
14	H	1221	CLA	O1A-CGA-O2A-C1
14	H	1221	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	1221	CLA	CHA-CBD-CGD-O2D
14	H	1222	CLA	CHA-CBD-CGD-O1D
14	H	1222	CLA	CHA-CBD-CGD-O2D
14	H	1223	CLA	C11-C10-C8-C7
14	H	1224	CLA	C12-C13-C15-C16
14	H	1225	CLA	C1A-C2A-CAA-CBA
14	H	1225	CLA	C3A-C2A-CAA-CBA
14	H	1226	CLA	C2-C1-O2A-CGA
14	H	1228	CLA	C1A-C2A-CAA-CBA
14	H	1229	CLA	C1A-C2A-CAA-CBA
14	H	1229	CLA	C3A-C2A-CAA-CBA
14	H	1229	CLA	C2-C1-O2A-CGA
14	H	1229	CLA	CBD-CGD-O2D-CED
14	H	1231	CLA	C2B-C3B-CAB-CBB
14	H	1231	CLA	C4B-C3B-CAB-CBB
14	H	1232	CLA	CBD-CGD-O2D-CED
14	H	1233	CLA	CBD-CGD-O2D-CED
14	H	1236	CLA	C1A-C2A-CAA-CBA
14	H	1236	CLA	CHA-CBD-CGD-O1D
14	H	1236	CLA	CHA-CBD-CGD-O2D
14	H	1239	CLA	C2B-C3B-CAB-CBB
14	H	1239	CLA	C4B-C3B-CAB-CBB
14	T	1401	CLA	C1A-C2A-CAA-CBA
14	T	1401	CLA	C3A-C2A-CAA-CBA
14	T	1401	CLA	C2B-C3B-CAB-CBB
14	T	1401	CLA	C4B-C3B-CAB-CBB
14	T	1401	CLA	CHA-CBD-CGD-O1D
14	T	1401	CLA	CHA-CBD-CGD-O2D
14	U	1502	CLA	C4B-C3B-CAB-CBB
14	U	1503	CLA	C1A-C2A-CAA-CBA
14	U	1503	CLA	CBA-CGA-O2A-C1
14	U	1503	CLA	O1A-CGA-O2A-C1
14	V	1501	CLA	C2B-C3B-CAB-CBB
14	V	1501	CLA	C4B-C3B-CAB-CBB
14	V	1501	CLA	CBD-CGD-O2D-CED
14	a	1013	CLA	C1A-C2A-CAA-CBA
14	a	1013	CLA	C3A-C2A-CAA-CBA
14	a	1101	CLA	CHA-CBD-CGD-O1D
14	a	1101	CLA	CHA-CBD-CGD-O2D
14	a	1103	CLA	CAD-CBD-CGD-O1D
14	a	1103	CLA	CAD-CBD-CGD-O2D
14	a	1106	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	a	1106	CLA	CHA-CBD-CGD-O1D
14	a	1106	CLA	CHA-CBD-CGD-O2D
14	a	1107	CLA	CBD-CGD-O2D-CED
14	a	1108	CLA	CBD-CGD-O2D-CED
14	a	1111	CLA	CBA-CGA-O2A-C1
14	a	1111	CLA	O1A-CGA-O2A-C1
14	a	1112	CLA	C1A-C2A-CAA-CBA
14	a	1112	CLA	CBD-CGD-O2D-CED
14	a	1113	CLA	C3A-C2A-CAA-CBA
14	a	1114	CLA	CHA-CBD-CGD-O1D
14	a	1114	CLA	CHA-CBD-CGD-O2D
14	a	1115	CLA	C1A-C2A-CAA-CBA
14	a	1115	CLA	CHA-CBD-CGD-O1D
14	a	1115	CLA	CHA-CBD-CGD-O2D
14	a	1115	CLA	CBD-CGD-O2D-CED
14	a	1116	CLA	C1A-C2A-CAA-CBA
14	a	1116	CLA	C3A-C2A-CAA-CBA
14	a	1116	CLA	C4B-C3B-CAB-CBB
14	a	1117	CLA	C1A-C2A-CAA-CBA
14	a	1117	CLA	C3A-C2A-CAA-CBA
14	a	1117	CLA	CHA-CBD-CGD-O1D
14	a	1117	CLA	CHA-CBD-CGD-O2D
14	a	1118	CLA	C1A-C2A-CAA-CBA
14	a	1118	CLA	C2-C1-O2A-CGA
14	a	1120	CLA	C3A-C2A-CAA-CBA
14	a	1122	CLA	C1A-C2A-CAA-CBA
14	a	1122	CLA	C3A-C2A-CAA-CBA
14	a	1122	CLA	C2B-C3B-CAB-CBB
14	a	1122	CLA	C4B-C3B-CAB-CBB
14	a	1123	CLA	C2-C1-O2A-CGA
14	a	1124	CLA	C1A-C2A-CAA-CBA
14	a	1124	CLA	C3A-C2A-CAA-CBA
14	a	1125	CLA	C1A-C2A-CAA-CBA
14	a	1125	CLA	C3A-C2A-CAA-CBA
14	a	1128	CLA	CHA-CBD-CGD-O1D
14	a	1128	CLA	CHA-CBD-CGD-O2D
14	a	1130	CLA	C1A-C2A-CAA-CBA
14	a	1131	CLA	C2-C1-O2A-CGA
14	a	1131	CLA	C2B-C3B-CAB-CBB
14	a	1131	CLA	C4B-C3B-CAB-CBB
14	a	1131	CLA	CBD-CGD-O2D-CED
14	a	1132	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	a	1132	CLA	CHA-CBD-CGD-O2D
14	a	1134	CLA	C1A-C2A-CAA-CBA
14	a	1134	CLA	C3A-C2A-CAA-CBA
14	a	1135	CLA	CBD-CGD-O2D-CED
14	a	1138	CLA	C1A-C2A-CAA-CBA
14	a	1138	CLA	C3A-C2A-CAA-CBA
14	a	1139	CLA	C1A-C2A-CAA-CBA
14	a	1139	CLA	C3A-C2A-CAA-CBA
14	a	1139	CLA	CBD-CGD-O2D-CED
14	a	1140	CLA	C1A-C2A-CAA-CBA
14	a	1141	CLA	C1A-C2A-CAA-CBA
14	a	1141	CLA	C3A-C2A-CAA-CBA
14	a	1141	CLA	C2B-C3B-CAB-CBB
14	a	1141	CLA	C4B-C3B-CAB-CBB
14	b	1021	CLA	CBD-CGD-O2D-CED
14	b	1022	CLA	C3A-C2A-CAA-CBA
14	b	1202	CLA	C3A-C2A-CAA-CBA
14	b	1202	CLA	CAD-CBD-CGD-O1D
14	b	1202	CLA	CAD-CBD-CGD-O2D
14	b	1203	CLA	C1A-C2A-CAA-CBA
14	b	1203	CLA	CHA-CBD-CGD-O1D
14	b	1203	CLA	CHA-CBD-CGD-O2D
14	b	1205	CLA	C4B-C3B-CAB-CBB
14	b	1205	CLA	CHA-CBD-CGD-O1D
14	b	1205	CLA	CHA-CBD-CGD-O2D
14	b	1206	CLA	O1A-CGA-O2A-C1
14	b	1208	CLA	CBA-CGA-O2A-C1
14	b	1208	CLA	O1A-CGA-O2A-C1
14	b	1209	CLA	C1A-C2A-CAA-CBA
14	b	1209	CLA	C3A-C2A-CAA-CBA
14	b	1209	CLA	C4B-C3B-CAB-CBB
14	b	1210	CLA	C1A-C2A-CAA-CBA
14	b	1210	CLA	C3A-C2A-CAA-CBA
14	b	1214	CLA	C2B-C3B-CAB-CBB
14	b	1214	CLA	C4B-C3B-CAB-CBB
14	b	1215	CLA	C3A-C2A-CAA-CBA
14	b	1216	CLA	C2B-C3B-CAB-CBB
14	b	1216	CLA	C4B-C3B-CAB-CBB
14	b	1217	CLA	C1A-C2A-CAA-CBA
14	b	1217	CLA	C3A-C2A-CAA-CBA
14	b	1217	CLA	C2B-C3B-CAB-CBB
14	b	1217	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	b	1218	CLA	CHA-CBD-CGD-O1D
14	b	1218	CLA	CHA-CBD-CGD-O2D
14	b	1220	CLA	CBA-CGA-O2A-C1
14	b	1221	CLA	C1A-C2A-CAA-CBA
14	b	1221	CLA	C3A-C2A-CAA-CBA
14	b	1221	CLA	CBA-CGA-O2A-C1
14	b	1221	CLA	O1A-CGA-O2A-C1
14	b	1221	CLA	CHA-CBD-CGD-O1D
14	b	1221	CLA	CHA-CBD-CGD-O2D
14	b	1222	CLA	CHA-CBD-CGD-O1D
14	b	1222	CLA	CHA-CBD-CGD-O2D
14	b	1223	CLA	C11-C10-C8-C7
14	b	1224	CLA	C12-C13-C15-C16
14	b	1225	CLA	C1A-C2A-CAA-CBA
14	b	1225	CLA	C3A-C2A-CAA-CBA
14	b	1226	CLA	C2-C1-O2A-CGA
14	b	1228	CLA	C1A-C2A-CAA-CBA
14	b	1229	CLA	C1A-C2A-CAA-CBA
14	b	1229	CLA	C3A-C2A-CAA-CBA
14	b	1229	CLA	C2-C1-O2A-CGA
14	b	1229	CLA	CBD-CGD-O2D-CED
14	b	1231	CLA	C2B-C3B-CAB-CBB
14	b	1231	CLA	C4B-C3B-CAB-CBB
14	b	1232	CLA	CBD-CGD-O2D-CED
14	b	1233	CLA	CBD-CGD-O2D-CED
14	b	1236	CLA	C1A-C2A-CAA-CBA
14	b	1236	CLA	CHA-CBD-CGD-O1D
14	b	1236	CLA	CHA-CBD-CGD-O2D
14	b	1239	CLA	C2B-C3B-CAB-CBB
14	b	1239	CLA	C4B-C3B-CAB-CBB
14	k	1401	CLA	C1A-C2A-CAA-CBA
14	k	1401	CLA	C3A-C2A-CAA-CBA
14	k	1401	CLA	C2B-C3B-CAB-CBB
14	k	1401	CLA	C4B-C3B-CAB-CBB
14	k	1401	CLA	CHA-CBD-CGD-O1D
14	k	1401	CLA	CHA-CBD-CGD-O2D
14	l	1502	CLA	C4B-C3B-CAB-CBB
14	l	1503	CLA	C1A-C2A-CAA-CBA
14	l	1503	CLA	CBA-CGA-O2A-C1
14	l	1503	CLA	O1A-CGA-O2A-C1
14	m	1501	CLA	C2B-C3B-CAB-CBB
14	m	1501	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	m	1501	CLA	CBD-CGD-O2D-CED
15	A	1121	F6C	C2A-CAA-CBA-CGA
15	A	1121	F6C	C3A-C2A-CAA-CBA
15	A	1121	F6C	C2B-C3B-CAB-CBB
15	A	1121	F6C	C1B-C2B-CMB-OMB
15	A	1121	F6C	C3B-C2B-CMB-OMB
15	B	1219	F6C	C1B-C2B-CMB-OMB
15	B	1230	F6C	CHA-CBD-CGD-O1D
15	B	1230	F6C	CHA-CBD-CGD-O2D
15	B	1230	F6C	C3B-C2B-CMB-OMB
15	B	1237	F6C	C2B-C3B-CAB-CBB
15	B	1237	F6C	O1A-CGA-O2A-C1
15	B	1238	F6C	C1B-C2B-CMB-OMB
15	B	1238	F6C	C3B-C2B-CMB-OMB
15	G	1121	F6C	C2A-CAA-CBA-CGA
15	G	1121	F6C	C3A-C2A-CAA-CBA
15	G	1121	F6C	C2B-C3B-CAB-CBB
15	G	1121	F6C	C1B-C2B-CMB-OMB
15	G	1121	F6C	C3B-C2B-CMB-OMB
15	H	1219	F6C	C1B-C2B-CMB-OMB
15	H	1230	F6C	CHA-CBD-CGD-O1D
15	H	1230	F6C	CHA-CBD-CGD-O2D
15	H	1230	F6C	C3B-C2B-CMB-OMB
15	H	1237	F6C	C2B-C3B-CAB-CBB
15	H	1237	F6C	O1A-CGA-O2A-C1
15	H	1238	F6C	C1B-C2B-CMB-OMB
15	H	1238	F6C	C3B-C2B-CMB-OMB
15	a	1121	F6C	C2A-CAA-CBA-CGA
15	a	1121	F6C	C3A-C2A-CAA-CBA
15	a	1121	F6C	C2B-C3B-CAB-CBB
15	a	1121	F6C	C1B-C2B-CMB-OMB
15	a	1121	F6C	C3B-C2B-CMB-OMB
15	b	1219	F6C	C1B-C2B-CMB-OMB
15	b	1230	F6C	CHA-CBD-CGD-O1D
15	b	1230	F6C	CHA-CBD-CGD-O2D
15	b	1230	F6C	C3B-C2B-CMB-OMB
15	b	1237	F6C	C2B-C3B-CAB-CBB
15	b	1237	F6C	O1A-CGA-O2A-C1
15	b	1238	F6C	C1B-C2B-CMB-OMB
15	b	1238	F6C	C3B-C2B-CMB-OMB
18	A	4001	BCR	C11-C10-C9-C8
18	A	4001	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
18	A	4001	BCR	C15-C16-C17-C18
18	A	4001	BCR	C17-C18-C19-C20
18	A	4001	BCR	C36-C18-C19-C20
18	A	4002	BCR	C11-C10-C9-C8
18	A	4002	BCR	C11-C10-C9-C34
18	A	4002	BCR	C9-C10-C11-C12
18	A	4002	BCR	C10-C11-C12-C13
18	A	4002	BCR	C15-C16-C17-C18
18	A	4002	BCR	C21-C22-C23-C24
18	A	4002	BCR	C37-C22-C23-C24
18	A	4003	BCR	C11-C10-C9-C8
18	A	4003	BCR	C11-C10-C9-C34
18	A	4004	BCR	C11-C10-C9-C8
18	A	4004	BCR	C11-C10-C9-C34
18	A	4005	BCR	C7-C8-C9-C10
18	A	4005	BCR	C11-C10-C9-C8
18	A	4005	BCR	C11-C10-C9-C34
18	A	4006	BCR	C7-C8-C9-C10
18	A	4006	BCR	C11-C10-C9-C8
18	A	4006	BCR	C11-C10-C9-C34
18	B	4004	BCR	C11-C10-C9-C8
18	B	4004	BCR	C11-C10-C9-C34
18	B	4004	BCR	C10-C11-C12-C13
18	B	4004	BCR	C21-C22-C23-C24
18	B	4004	BCR	C37-C22-C23-C24
18	B	4005	BCR	C11-C10-C9-C8
18	B	4005	BCR	C11-C10-C9-C34
18	B	4005	BCR	C21-C22-C23-C24
18	B	4006	BCR	C7-C8-C9-C10
18	B	4006	BCR	C10-C11-C12-C13
18	B	4006	BCR	C11-C12-C13-C14
18	B	4006	BCR	C11-C12-C13-C35
18	B	4009	BCR	C5-C6-C7-C8
18	B	4014	BCR	C17-C18-C19-C20
18	B	4014	BCR	C36-C18-C19-C20
18	B	4017	BCR	C7-C8-C9-C10
18	B	4017	BCR	C11-C10-C9-C8
18	B	4017	BCR	C11-C10-C9-C34
18	B	4017	BCR	C10-C11-C12-C13
18	B	4017	BCR	C18-C19-C20-C21
18	B	4017	BCR	C19-C20-C21-C22
18	B	4017	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
18	B	4017	BCR	C37-C22-C23-C24
18	I	4018	BCR	C7-C8-C9-C34
18	I	4018	BCR	C11-C10-C9-C8
18	I	4018	BCR	C11-C10-C9-C34
18	I	4018	BCR	C10-C11-C12-C13
18	I	4018	BCR	C15-C16-C17-C18
18	I	4020	BCR	C10-C11-C12-C13
18	K	4001	BCR	C7-C8-C9-C10
18	K	4001	BCR	C7-C8-C9-C34
18	K	4001	BCR	C11-C10-C9-C8
18	K	4001	BCR	C11-C10-C9-C34
18	K	4001	BCR	C10-C11-C12-C13
18	L	4019	BCR	C21-C22-C23-C24
18	L	4019	BCR	C37-C22-C23-C24
18	L	4022	BCR	C7-C8-C9-C10
18	L	4022	BCR	C7-C8-C9-C34
18	L	4022	BCR	C11-C10-C9-C8
18	L	4022	BCR	C11-C10-C9-C34
18	L	4022	BCR	C11-C12-C13-C14
18	M	4021	BCR	C11-C10-C9-C8
18	M	4021	BCR	C11-C10-C9-C34
18	M	4021	BCR	C10-C11-C12-C13
18	M	4021	BCR	C17-C18-C19-C20
18	M	4021	BCR	C36-C18-C19-C20
18	G	4001	BCR	C11-C10-C9-C8
18	G	4001	BCR	C11-C10-C9-C34
18	G	4001	BCR	C15-C16-C17-C18
18	G	4001	BCR	C17-C18-C19-C20
18	G	4001	BCR	C36-C18-C19-C20
18	G	4002	BCR	C11-C10-C9-C8
18	G	4002	BCR	C11-C10-C9-C34
18	G	4002	BCR	C9-C10-C11-C12
18	G	4002	BCR	C10-C11-C12-C13
18	G	4002	BCR	C15-C16-C17-C18
18	G	4002	BCR	C21-C22-C23-C24
18	G	4002	BCR	C37-C22-C23-C24
18	G	4003	BCR	C11-C10-C9-C8
18	G	4003	BCR	C11-C10-C9-C34
18	G	4004	BCR	C11-C10-C9-C8
18	G	4004	BCR	C11-C10-C9-C34
18	G	4005	BCR	C7-C8-C9-C10
18	G	4005	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
18	G	4005	BCR	C11-C10-C9-C34
18	G	4006	BCR	C7-C8-C9-C10
18	G	4006	BCR	C11-C10-C9-C8
18	G	4006	BCR	C11-C10-C9-C34
18	H	4004	BCR	C11-C10-C9-C8
18	H	4004	BCR	C11-C10-C9-C34
18	H	4004	BCR	C10-C11-C12-C13
18	H	4004	BCR	C21-C22-C23-C24
18	H	4004	BCR	C37-C22-C23-C24
18	H	4005	BCR	C11-C10-C9-C8
18	H	4005	BCR	C11-C10-C9-C34
18	H	4005	BCR	C21-C22-C23-C24
18	H	4006	BCR	C7-C8-C9-C10
18	H	4006	BCR	C10-C11-C12-C13
18	H	4006	BCR	C11-C12-C13-C14
18	H	4006	BCR	C11-C12-C13-C35
18	H	4009	BCR	C5-C6-C7-C8
18	H	4014	BCR	C17-C18-C19-C20
18	H	4014	BCR	C36-C18-C19-C20
18	H	4017	BCR	C7-C8-C9-C10
18	H	4017	BCR	C11-C10-C9-C8
18	H	4017	BCR	C11-C10-C9-C34
18	H	4017	BCR	C10-C11-C12-C13
18	H	4017	BCR	C18-C19-C20-C21
18	H	4017	BCR	C19-C20-C21-C22
18	H	4017	BCR	C21-C22-C23-C24
18	H	4017	BCR	C37-C22-C23-C24
18	R	4018	BCR	C7-C8-C9-C34
18	R	4018	BCR	C11-C10-C9-C8
18	R	4018	BCR	C11-C10-C9-C34
18	R	4018	BCR	C10-C11-C12-C13
18	R	4018	BCR	C15-C16-C17-C18
18	R	4020	BCR	C10-C11-C12-C13
18	T	4001	BCR	C7-C8-C9-C10
18	T	4001	BCR	C7-C8-C9-C34
18	T	4001	BCR	C11-C10-C9-C8
18	T	4001	BCR	C11-C10-C9-C34
18	T	4001	BCR	C10-C11-C12-C13
18	U	4019	BCR	C21-C22-C23-C24
18	U	4019	BCR	C37-C22-C23-C24
18	U	4022	BCR	C7-C8-C9-C10
18	U	4022	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
18	U	4022	BCR	C11-C10-C9-C8
18	U	4022	BCR	C11-C10-C9-C34
18	U	4022	BCR	C11-C12-C13-C14
18	V	4021	BCR	C11-C10-C9-C8
18	V	4021	BCR	C11-C10-C9-C34
18	V	4021	BCR	C10-C11-C12-C13
18	V	4021	BCR	C17-C18-C19-C20
18	V	4021	BCR	C36-C18-C19-C20
18	a	4001	BCR	C11-C10-C9-C8
18	a	4001	BCR	C11-C10-C9-C34
18	a	4001	BCR	C15-C16-C17-C18
18	a	4001	BCR	C17-C18-C19-C20
18	a	4001	BCR	C36-C18-C19-C20
18	a	4002	BCR	C11-C10-C9-C8
18	a	4002	BCR	C11-C10-C9-C34
18	a	4002	BCR	C9-C10-C11-C12
18	a	4002	BCR	C10-C11-C12-C13
18	a	4002	BCR	C15-C16-C17-C18
18	a	4002	BCR	C21-C22-C23-C24
18	a	4002	BCR	C37-C22-C23-C24
18	a	4003	BCR	C11-C10-C9-C8
18	a	4003	BCR	C11-C10-C9-C34
18	a	4004	BCR	C11-C10-C9-C8
18	a	4004	BCR	C11-C10-C9-C34
18	a	4005	BCR	C7-C8-C9-C10
18	a	4005	BCR	C11-C10-C9-C8
18	a	4005	BCR	C11-C10-C9-C34
18	a	4006	BCR	C7-C8-C9-C10
18	a	4006	BCR	C11-C10-C9-C8
18	a	4006	BCR	C11-C10-C9-C34
18	b	4004	BCR	C11-C10-C9-C8
18	b	4004	BCR	C11-C10-C9-C34
18	b	4004	BCR	C10-C11-C12-C13
18	b	4004	BCR	C21-C22-C23-C24
18	b	4004	BCR	C37-C22-C23-C24
18	b	4005	BCR	C11-C10-C9-C8
18	b	4005	BCR	C11-C10-C9-C34
18	b	4005	BCR	C21-C22-C23-C24
18	b	4006	BCR	C7-C8-C9-C10
18	b	4006	BCR	C10-C11-C12-C13
18	b	4006	BCR	C11-C12-C13-C14
18	b	4006	BCR	C11-C12-C13-C35

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Mol	Chain	Res	Type	Atoms
18	b	4009	BCR	C5-C6-C7-C8
18	b	4014	BCR	C17-C18-C19-C20
18	b	4014	BCR	C36-C18-C19-C20
18	b	4017	BCR	C7-C8-C9-C10
18	b	4017	BCR	C11-C10-C9-C8
18	b	4017	BCR	C11-C10-C9-C34
18	b	4017	BCR	C10-C11-C12-C13
18	b	4017	BCR	C18-C19-C20-C21
18	b	4017	BCR	C19-C20-C21-C22
18	b	4017	BCR	C21-C22-C23-C24
18	b	4017	BCR	C37-C22-C23-C24
18	i	4018	BCR	C7-C8-C9-C34
18	i	4018	BCR	C11-C10-C9-C8
18	i	4018	BCR	C11-C10-C9-C34
18	i	4018	BCR	C10-C11-C12-C13
18	i	4018	BCR	C15-C16-C17-C18
18	i	4020	BCR	C10-C11-C12-C13
18	k	4001	BCR	C7-C8-C9-C10
18	k	4001	BCR	C7-C8-C9-C34
18	k	4001	BCR	C11-C10-C9-C8
18	k	4001	BCR	C11-C10-C9-C34
18	k	4001	BCR	C10-C11-C12-C13
18	l	4019	BCR	C21-C22-C23-C24
18	l	4019	BCR	C37-C22-C23-C24
18	l	4022	BCR	C7-C8-C9-C10
18	l	4022	BCR	C7-C8-C9-C34
18	l	4022	BCR	C11-C10-C9-C8
18	l	4022	BCR	C11-C10-C9-C34
18	l	4022	BCR	C11-C12-C13-C14
18	m	4021	BCR	C11-C10-C9-C8
18	m	4021	BCR	C11-C10-C9-C34
18	m	4021	BCR	C10-C11-C12-C13
18	m	4021	BCR	C17-C18-C19-C20
18	m	4021	BCR	C36-C18-C19-C20
19	A	5001	LHG	C3-O3-P-O5
19	A	5001	LHG	C3-O3-P-O6
19	A	5001	LHG	C4-O6-P-O3
19	A	5001	LHG	C4-O6-P-O4
19	A	5002	LHG	C4-O6-P-O3
19	A	5002	LHG	C4-O6-P-O4
19	A	5002	LHG	O6-C4-C5-O7
19	A	5002	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
19	L	5101	LHG	O6-C4-C5-C6
19	L	5101	LHG	O6-C4-C5-O7
19	L	5102	LHG	O1-C1-C2-C3
19	L	5102	LHG	C1-C2-C3-O3
19	L	5102	LHG	O2-C2-C3-O3
19	L	5102	LHG	C3-O3-P-O6
19	G	5001	LHG	C3-O3-P-O5
19	G	5001	LHG	C3-O3-P-O6
19	G	5001	LHG	C4-O6-P-O3
19	G	5001	LHG	C4-O6-P-O4
19	G	5002	LHG	C4-O6-P-O3
19	G	5002	LHG	C4-O6-P-O4
19	G	5002	LHG	O6-C4-C5-O7
19	G	5002	LHG	C8-C7-O7-C5
19	U	5101	LHG	O6-C4-C5-C6
19	U	5101	LHG	O6-C4-C5-O7
19	U	5102	LHG	O1-C1-C2-C3
19	U	5102	LHG	C1-C2-C3-O3
19	U	5102	LHG	O2-C2-C3-O3
19	U	5102	LHG	C3-O3-P-O6
19	a	5001	LHG	C3-O3-P-O5
19	a	5001	LHG	C3-O3-P-O6
19	a	5001	LHG	C4-O6-P-O3
19	a	5001	LHG	C4-O6-P-O4
19	a	5002	LHG	C4-O6-P-O3
19	a	5002	LHG	C4-O6-P-O4
19	a	5002	LHG	O6-C4-C5-O7
19	a	5002	LHG	C8-C7-O7-C5
19	l	5101	LHG	O6-C4-C5-C6
19	l	5101	LHG	O6-C4-C5-O7
19	l	5102	LHG	O1-C1-C2-C3
19	l	5102	LHG	C1-C2-C3-O3
19	l	5102	LHG	O2-C2-C3-O3
19	l	5102	LHG	C3-O3-P-O6
20	B	5002	LMG	O6-C1-O1-C7
20	B	5002	LMG	C11-C10-O7-C8
20	B	5002	LMG	O10-C28-O8-C9
20	B	5002	LMG	C29-C28-O8-C9
20	H	5002	LMG	O6-C1-O1-C7
20	H	5002	LMG	C11-C10-O7-C8
20	H	5002	LMG	O10-C28-O8-C9
20	H	5002	LMG	C29-C28-O8-C9

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Mol	Chain	Res	Type	Atoms
20	b	5002	LMG	O6-C1-O1-C7
20	b	5002	LMG	C11-C10-O7-C8
20	b	5002	LMG	O10-C28-O8-C9
20	b	5002	LMG	C29-C28-O8-C9
21	A	6002	LMT	O5B-C1B-O1B-C4'
21	A	6004	LMT	C2-C1-O1'-C1'
21	B	6001	LMT	O5'-C1'-O1'-C1
21	B	6003	LMT	C2'-C1'-O1'-C1
21	L	6101	LMT	C2-C1-O1'-C1'
21	G	6002	LMT	O5B-C1B-O1B-C4'
21	G	6004	LMT	C2-C1-O1'-C1'
21	H	6001	LMT	O5'-C1'-O1'-C1
21	H	6003	LMT	C2'-C1'-O1'-C1
21	U	6101	LMT	C2-C1-O1'-C1'
21	a	6002	LMT	O5B-C1B-O1B-C4'
21	a	6004	LMT	C2-C1-O1'-C1'
21	b	6001	LMT	O5'-C1'-O1'-C1
21	b	6003	LMT	C2'-C1'-O1'-C1
21	l	6101	LMT	C2-C1-O1'-C1'
14	B	1023	CLA	C2C-C3C-CAC-CBC
14	H	1023	CLA	C2C-C3C-CAC-CBC
14	b	1023	CLA	C2C-C3C-CAC-CBC
14	A	1108	CLA	O1D-CGD-O2D-CED
14	A	1119	CLA	O1D-CGD-O2D-CED
14	A	1134	CLA	O1D-CGD-O2D-CED
14	A	1139	CLA	O1D-CGD-O2D-CED
14	G	1108	CLA	O1D-CGD-O2D-CED
14	G	1119	CLA	O1D-CGD-O2D-CED
14	G	1134	CLA	O1D-CGD-O2D-CED
14	G	1139	CLA	O1D-CGD-O2D-CED
14	a	1108	CLA	O1D-CGD-O2D-CED
14	a	1119	CLA	O1D-CGD-O2D-CED
14	a	1134	CLA	O1D-CGD-O2D-CED
14	a	1139	CLA	O1D-CGD-O2D-CED
14	A	1101	CLA	CBD-CGD-O2D-CED
14	A	1114	CLA	CBD-CGD-O2D-CED
14	A	1117	CLA	CBD-CGD-O2D-CED
14	A	1119	CLA	CBD-CGD-O2D-CED
14	A	1120	CLA	CBD-CGD-O2D-CED
14	A	1122	CLA	CBD-CGD-O2D-CED
14	A	1132	CLA	CBD-CGD-O2D-CED
14	A	1134	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	1138	CLA	CBD-CGD-O2D-CED
14	B	1208	CLA	CBD-CGD-O2D-CED
14	B	1218	CLA	CBD-CGD-O2D-CED
14	B	1227	CLA	CBD-CGD-O2D-CED
14	B	1234	CLA	CBD-CGD-O2D-CED
14	B	1235	CLA	CBD-CGD-O2D-CED
14	B	1236	CLA	CBD-CGD-O2D-CED
14	B	1239	CLA	CBD-CGD-O2D-CED
14	K	1401	CLA	CBD-CGD-O2D-CED
14	G	1101	CLA	CBD-CGD-O2D-CED
14	G	1114	CLA	CBD-CGD-O2D-CED
14	G	1117	CLA	CBD-CGD-O2D-CED
14	G	1119	CLA	CBD-CGD-O2D-CED
14	G	1120	CLA	CBD-CGD-O2D-CED
14	G	1122	CLA	CBD-CGD-O2D-CED
14	G	1132	CLA	CBD-CGD-O2D-CED
14	G	1134	CLA	CBD-CGD-O2D-CED
14	G	1138	CLA	CBD-CGD-O2D-CED
14	H	1208	CLA	CBD-CGD-O2D-CED
14	H	1218	CLA	CBD-CGD-O2D-CED
14	H	1227	CLA	CBD-CGD-O2D-CED
14	H	1234	CLA	CBD-CGD-O2D-CED
14	H	1235	CLA	CBD-CGD-O2D-CED
14	H	1236	CLA	CBD-CGD-O2D-CED
14	H	1239	CLA	CBD-CGD-O2D-CED
14	T	1401	CLA	CBD-CGD-O2D-CED
14	a	1101	CLA	CBD-CGD-O2D-CED
14	a	1114	CLA	CBD-CGD-O2D-CED
14	a	1117	CLA	CBD-CGD-O2D-CED
14	a	1119	CLA	CBD-CGD-O2D-CED
14	a	1120	CLA	CBD-CGD-O2D-CED
14	a	1122	CLA	CBD-CGD-O2D-CED
14	a	1132	CLA	CBD-CGD-O2D-CED
14	a	1134	CLA	CBD-CGD-O2D-CED
14	a	1138	CLA	CBD-CGD-O2D-CED
14	b	1208	CLA	CBD-CGD-O2D-CED
14	b	1218	CLA	CBD-CGD-O2D-CED
14	b	1227	CLA	CBD-CGD-O2D-CED
14	b	1234	CLA	CBD-CGD-O2D-CED
14	b	1235	CLA	CBD-CGD-O2D-CED
14	b	1236	CLA	CBD-CGD-O2D-CED
14	b	1239	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	k	1401	CLA	CBD-CGD-O2D-CED
15	A	1121	F6C	CBD-CGD-O2D-CED
15	B	1230	F6C	CBD-CGD-O2D-CED
15	G	1121	F6C	CBD-CGD-O2D-CED
15	H	1230	F6C	CBD-CGD-O2D-CED
15	a	1121	F6C	CBD-CGD-O2D-CED
15	b	1230	F6C	CBD-CGD-O2D-CED
14	A	1103	CLA	O1A-CGA-O2A-C1
14	A	1128	CLA	O1A-CGA-O2A-C1
14	B	1220	CLA	O1A-CGA-O2A-C1
14	B	1222	CLA	O1A-CGA-O2A-C1
14	B	1224	CLA	O1A-CGA-O2A-C1
14	B	1240	CLA	O1A-CGA-O2A-C1
14	G	1103	CLA	O1A-CGA-O2A-C1
14	G	1128	CLA	O1A-CGA-O2A-C1
14	H	1220	CLA	O1A-CGA-O2A-C1
14	H	1222	CLA	O1A-CGA-O2A-C1
14	H	1224	CLA	O1A-CGA-O2A-C1
14	H	1240	CLA	O1A-CGA-O2A-C1
14	a	1103	CLA	O1A-CGA-O2A-C1
14	a	1128	CLA	O1A-CGA-O2A-C1
14	b	1220	CLA	O1A-CGA-O2A-C1
14	b	1222	CLA	O1A-CGA-O2A-C1
14	b	1224	CLA	O1A-CGA-O2A-C1
14	b	1240	CLA	O1A-CGA-O2A-C1
14	B	1023	CLA	C4C-C3C-CAC-CBC
14	B	1239	CLA	C4C-C3C-CAC-CBC
14	H	1023	CLA	C4C-C3C-CAC-CBC
14	H	1239	CLA	C4C-C3C-CAC-CBC
14	b	1023	CLA	C4C-C3C-CAC-CBC
14	b	1239	CLA	C4C-C3C-CAC-CBC
14	A	1122	CLA	O1D-CGD-O2D-CED
14	G	1122	CLA	O1D-CGD-O2D-CED
14	a	1122	CLA	O1D-CGD-O2D-CED
14	B	1203	CLA	CBA-CGA-O2A-C1
14	B	1206	CLA	CBA-CGA-O2A-C1
14	B	1224	CLA	CBA-CGA-O2A-C1
14	B	1240	CLA	CBA-CGA-O2A-C1
14	H	1203	CLA	CBA-CGA-O2A-C1
14	H	1206	CLA	CBA-CGA-O2A-C1
14	H	1224	CLA	CBA-CGA-O2A-C1
14	H	1240	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	1203	CLA	CBA-CGA-O2A-C1
14	b	1206	CLA	CBA-CGA-O2A-C1
14	b	1224	CLA	CBA-CGA-O2A-C1
14	b	1240	CLA	CBA-CGA-O2A-C1
14	B	1226	CLA	CBD-CGD-O2D-CED
14	H	1226	CLA	CBD-CGD-O2D-CED
14	b	1226	CLA	CBD-CGD-O2D-CED
14	A	1118	CLA	O1A-CGA-O2A-C1
14	A	1133	CLA	O1A-CGA-O2A-C1
14	A	1135	CLA	O1A-CGA-O2A-C1
14	A	1138	CLA	O1A-CGA-O2A-C1
14	B	1203	CLA	O1A-CGA-O2A-C1
14	B	1210	CLA	O1A-CGA-O2A-C1
14	G	1118	CLA	O1A-CGA-O2A-C1
14	G	1133	CLA	O1A-CGA-O2A-C1
14	G	1135	CLA	O1A-CGA-O2A-C1
14	G	1138	CLA	O1A-CGA-O2A-C1
14	H	1203	CLA	O1A-CGA-O2A-C1
14	H	1210	CLA	O1A-CGA-O2A-C1
14	a	1118	CLA	O1A-CGA-O2A-C1
14	a	1133	CLA	O1A-CGA-O2A-C1
14	a	1135	CLA	O1A-CGA-O2A-C1
14	a	1138	CLA	O1A-CGA-O2A-C1
14	b	1203	CLA	O1A-CGA-O2A-C1
14	b	1210	CLA	O1A-CGA-O2A-C1
20	A	5003	LMG	O10-C28-O8-C9
20	I	5006	LMG	O10-C28-O8-C9
20	G	5003	LMG	O10-C28-O8-C9
20	R	5006	LMG	O10-C28-O8-C9
20	a	5003	LMG	O10-C28-O8-C9
20	i	5006	LMG	O10-C28-O8-C9
14	A	1107	CLA	O1D-CGD-O2D-CED
14	A	1112	CLA	O1D-CGD-O2D-CED
14	G	1112	CLA	O1D-CGD-O2D-CED
14	a	1107	CLA	O1D-CGD-O2D-CED
14	a	1112	CLA	O1D-CGD-O2D-CED
14	A	1131	CLA	O1D-CGD-O2D-CED
14	A	1135	CLA	O1D-CGD-O2D-CED
14	B	1021	CLA	O1D-CGD-O2D-CED
14	B	1229	CLA	O1D-CGD-O2D-CED
14	B	1233	CLA	O1D-CGD-O2D-CED
14	M	1501	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	1107	CLA	O1D-CGD-O2D-CED
14	G	1131	CLA	O1D-CGD-O2D-CED
14	G	1135	CLA	O1D-CGD-O2D-CED
14	H	1021	CLA	O1D-CGD-O2D-CED
14	H	1229	CLA	O1D-CGD-O2D-CED
14	H	1233	CLA	O1D-CGD-O2D-CED
14	V	1501	CLA	O1D-CGD-O2D-CED
14	a	1131	CLA	O1D-CGD-O2D-CED
14	a	1135	CLA	O1D-CGD-O2D-CED
14	b	1021	CLA	O1D-CGD-O2D-CED
14	b	1229	CLA	O1D-CGD-O2D-CED
14	b	1233	CLA	O1D-CGD-O2D-CED
14	m	1501	CLA	O1D-CGD-O2D-CED
14	B	1214	CLA	CBD-CGD-O2D-CED
14	B	1224	CLA	CBD-CGD-O2D-CED
14	H	1214	CLA	CBD-CGD-O2D-CED
14	H	1224	CLA	CBD-CGD-O2D-CED
14	b	1214	CLA	CBD-CGD-O2D-CED
14	b	1224	CLA	CBD-CGD-O2D-CED
14	B	1239	CLA	O1A-CGA-O2A-C1
14	H	1239	CLA	O1A-CGA-O2A-C1
14	b	1239	CLA	O1A-CGA-O2A-C1
19	A	5002	LHG	O9-C7-O7-C5
19	G	5002	LHG	O9-C7-O7-C5
19	a	5002	LHG	O9-C7-O7-C5
20	B	5002	LMG	O9-C10-O7-C8
20	H	5002	LMG	O9-C10-O7-C8
20	b	5002	LMG	O9-C10-O7-C8
14	A	1112	CLA	C3-C5-C6-C7
14	A	1116	CLA	C3-C5-C6-C7
14	A	1136	CLA	C3-C5-C6-C7
14	A	1138	CLA	C3-C5-C6-C7
14	B	1201	CLA	C3-C5-C6-C7
14	B	1205	CLA	C3-C5-C6-C7
14	B	1216	CLA	C3-C5-C6-C7
14	B	1231	CLA	C3-C5-C6-C7
14	B	1236	CLA	C3-C5-C6-C7
14	G	1112	CLA	C3-C5-C6-C7
14	G	1116	CLA	C3-C5-C6-C7
14	G	1136	CLA	C3-C5-C6-C7
14	G	1138	CLA	C3-C5-C6-C7
14	H	1201	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	H	1205	CLA	C3-C5-C6-C7
14	H	1216	CLA	C3-C5-C6-C7
14	H	1231	CLA	C3-C5-C6-C7
14	H	1236	CLA	C3-C5-C6-C7
14	a	1112	CLA	C3-C5-C6-C7
14	a	1116	CLA	C3-C5-C6-C7
14	a	1136	CLA	C3-C5-C6-C7
14	a	1138	CLA	C3-C5-C6-C7
14	b	1201	CLA	C3-C5-C6-C7
14	b	1205	CLA	C3-C5-C6-C7
14	b	1216	CLA	C3-C5-C6-C7
14	b	1231	CLA	C3-C5-C6-C7
14	b	1236	CLA	C3-C5-C6-C7
15	B	1238	F6C	C3-C5-C6-C7
15	H	1238	F6C	C3-C5-C6-C7
15	b	1238	F6C	C3-C5-C6-C7
16	B	2002	PQN	C13-C15-C16-C17
16	H	2002	PQN	C13-C15-C16-C17
16	b	2002	PQN	C13-C15-C16-C17
14	B	1239	CLA	C2C-C3C-CAC-CBC
14	H	1239	CLA	C2C-C3C-CAC-CBC
14	b	1239	CLA	C2C-C3C-CAC-CBC
14	B	1232	CLA	O1D-CGD-O2D-CED
14	G	1114	CLA	O1D-CGD-O2D-CED
14	H	1232	CLA	O1D-CGD-O2D-CED
14	b	1232	CLA	O1D-CGD-O2D-CED
14	A	1103	CLA	CBA-CGA-O2A-C1
14	A	1117	CLA	CBA-CGA-O2A-C1
14	A	1128	CLA	CBA-CGA-O2A-C1
14	B	1210	CLA	CBA-CGA-O2A-C1
14	B	1214	CLA	CBA-CGA-O2A-C1
14	B	1222	CLA	CBA-CGA-O2A-C1
14	B	1229	CLA	CBA-CGA-O2A-C1
14	G	1103	CLA	CBA-CGA-O2A-C1
14	G	1117	CLA	CBA-CGA-O2A-C1
14	G	1128	CLA	CBA-CGA-O2A-C1
14	H	1210	CLA	CBA-CGA-O2A-C1
14	H	1214	CLA	CBA-CGA-O2A-C1
14	H	1222	CLA	CBA-CGA-O2A-C1
14	H	1229	CLA	CBA-CGA-O2A-C1
14	a	1103	CLA	CBA-CGA-O2A-C1
14	a	1117	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	1128	CLA	CBA-CGA-O2A-C1
14	b	1210	CLA	CBA-CGA-O2A-C1
14	b	1214	CLA	CBA-CGA-O2A-C1
14	b	1222	CLA	CBA-CGA-O2A-C1
14	b	1229	CLA	CBA-CGA-O2A-C1
15	B	1237	F6C	CBA-CGA-O2A-C1
15	H	1237	F6C	CBA-CGA-O2A-C1
15	b	1237	F6C	CBA-CGA-O2A-C1
20	A	5003	LMG	C29-C28-O8-C9
20	I	5006	LMG	C29-C28-O8-C9
20	G	5003	LMG	C29-C28-O8-C9
20	R	5006	LMG	C29-C28-O8-C9
20	a	5003	LMG	C29-C28-O8-C9
20	i	5006	LMG	C29-C28-O8-C9
14	A	1012	CLA	CBD-CGD-O2D-CED
14	A	1102	CLA	CBD-CGD-O2D-CED
14	A	1105	CLA	CBD-CGD-O2D-CED
14	A	1106	CLA	CBD-CGD-O2D-CED
14	A	1111	CLA	CBD-CGD-O2D-CED
14	A	1116	CLA	CBD-CGD-O2D-CED
14	A	1126	CLA	CBD-CGD-O2D-CED
14	A	1127	CLA	CBD-CGD-O2D-CED
14	A	1130	CLA	CBD-CGD-O2D-CED
14	B	1201	CLA	CBD-CGD-O2D-CED
14	B	1215	CLA	CBD-CGD-O2D-CED
14	B	1223	CLA	CBD-CGD-O2D-CED
14	B	1228	CLA	CBD-CGD-O2D-CED
14	B	1231	CLA	CBD-CGD-O2D-CED
14	G	1012	CLA	CBD-CGD-O2D-CED
14	G	1102	CLA	CBD-CGD-O2D-CED
14	G	1105	CLA	CBD-CGD-O2D-CED
14	G	1106	CLA	CBD-CGD-O2D-CED
14	G	1111	CLA	CBD-CGD-O2D-CED
14	G	1116	CLA	CBD-CGD-O2D-CED
14	G	1126	CLA	CBD-CGD-O2D-CED
14	G	1127	CLA	CBD-CGD-O2D-CED
14	G	1130	CLA	CBD-CGD-O2D-CED
14	H	1201	CLA	CBD-CGD-O2D-CED
14	H	1215	CLA	CBD-CGD-O2D-CED
14	H	1223	CLA	CBD-CGD-O2D-CED
14	H	1228	CLA	CBD-CGD-O2D-CED
14	H	1231	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	a	1012	CLA	CBD-CGD-O2D-CED
14	a	1102	CLA	CBD-CGD-O2D-CED
14	a	1105	CLA	CBD-CGD-O2D-CED
14	a	1106	CLA	CBD-CGD-O2D-CED
14	a	1111	CLA	CBD-CGD-O2D-CED
14	a	1116	CLA	CBD-CGD-O2D-CED
14	a	1126	CLA	CBD-CGD-O2D-CED
14	a	1127	CLA	CBD-CGD-O2D-CED
14	a	1130	CLA	CBD-CGD-O2D-CED
14	b	1201	CLA	CBD-CGD-O2D-CED
14	b	1215	CLA	CBD-CGD-O2D-CED
14	b	1223	CLA	CBD-CGD-O2D-CED
14	b	1228	CLA	CBD-CGD-O2D-CED
14	b	1231	CLA	CBD-CGD-O2D-CED
14	A	1114	CLA	O1D-CGD-O2D-CED
14	a	1114	CLA	O1D-CGD-O2D-CED
14	B	1022	CLA	O1A-CGA-O2A-C1
14	H	1022	CLA	O1A-CGA-O2A-C1
14	b	1022	CLA	O1A-CGA-O2A-C1
14	A	1109	CLA	C4-C3-C5-C6
14	A	1118	CLA	C4-C3-C5-C6
14	A	1122	CLA	C4-C3-C5-C6
14	A	1126	CLA	C4-C3-C5-C6
14	A	1128	CLA	C4-C3-C5-C6
14	A	1140	CLA	C4-C3-C5-C6
14	B	1206	CLA	C4-C3-C5-C6
14	B	1226	CLA	C4-C3-C5-C6
14	G	1109	CLA	C4-C3-C5-C6
14	G	1118	CLA	C4-C3-C5-C6
14	G	1122	CLA	C4-C3-C5-C6
14	G	1126	CLA	C4-C3-C5-C6
14	G	1128	CLA	C4-C3-C5-C6
14	G	1140	CLA	C4-C3-C5-C6
14	H	1206	CLA	C4-C3-C5-C6
14	H	1226	CLA	C4-C3-C5-C6
14	a	1109	CLA	C4-C3-C5-C6
14	a	1118	CLA	C4-C3-C5-C6
14	a	1122	CLA	C4-C3-C5-C6
14	a	1126	CLA	C4-C3-C5-C6
14	a	1128	CLA	C4-C3-C5-C6
14	a	1140	CLA	C4-C3-C5-C6
14	b	1206	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	b	1226	CLA	C4-C3-C5-C6
15	B	1207	F6C	C4-C3-C5-C6
15	B	1219	F6C	C4-C3-C5-C6
15	H	1207	F6C	C4-C3-C5-C6
15	H	1219	F6C	C4-C3-C5-C6
15	b	1207	F6C	C4-C3-C5-C6
15	b	1219	F6C	C4-C3-C5-C6
14	A	1122	CLA	C2-C3-C5-C6
14	A	1128	CLA	C2-C3-C5-C6
14	A	1140	CLA	C2-C3-C5-C6
14	B	1206	CLA	C2-C3-C5-C6
14	G	1122	CLA	C2-C3-C5-C6
14	G	1128	CLA	C2-C3-C5-C6
14	G	1140	CLA	C2-C3-C5-C6
14	H	1206	CLA	C2-C3-C5-C6
14	a	1122	CLA	C2-C3-C5-C6
14	a	1128	CLA	C2-C3-C5-C6
14	a	1140	CLA	C2-C3-C5-C6
14	b	1206	CLA	C2-C3-C5-C6
15	B	1219	F6C	C2-C3-C5-C6
15	H	1219	F6C	C2-C3-C5-C6
15	b	1219	F6C	C2-C3-C5-C6
14	A	1109	CLA	CBD-CGD-O2D-CED
14	G	1109	CLA	CBD-CGD-O2D-CED
14	a	1109	CLA	CBD-CGD-O2D-CED
14	A	1115	CLA	O1D-CGD-O2D-CED
14	G	1115	CLA	O1D-CGD-O2D-CED
14	a	1115	CLA	O1D-CGD-O2D-CED
14	A	1119	CLA	C2A-CAA-CBA-CGA
14	A	1141	CLA	C2A-CAA-CBA-CGA
14	G	1141	CLA	C2A-CAA-CBA-CGA
14	a	1141	CLA	C2A-CAA-CBA-CGA
14	A	1129	CLA	O1A-CGA-O2A-C1
14	G	1129	CLA	O1A-CGA-O2A-C1
14	a	1129	CLA	O1A-CGA-O2A-C1
14	A	1104	CLA	C3-C5-C6-C7
14	A	1124	CLA	C3-C5-C6-C7
14	B	1208	CLA	C3-C5-C6-C7
14	B	1239	CLA	C3-C5-C6-C7
14	G	1104	CLA	C3-C5-C6-C7
14	G	1124	CLA	C3-C5-C6-C7
14	H	1208	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	H	1239	CLA	C3-C5-C6-C7
14	a	1104	CLA	C3-C5-C6-C7
14	a	1124	CLA	C3-C5-C6-C7
14	b	1208	CLA	C3-C5-C6-C7
14	b	1239	CLA	C3-C5-C6-C7
15	B	1207	F6C	C3-C5-C6-C7
15	H	1207	F6C	C3-C5-C6-C7
15	b	1207	F6C	C3-C5-C6-C7
14	A	1118	CLA	CBA-CGA-O2A-C1
14	A	1122	CLA	CBA-CGA-O2A-C1
14	A	1129	CLA	CBA-CGA-O2A-C1
14	A	1133	CLA	CBA-CGA-O2A-C1
14	A	1135	CLA	CBA-CGA-O2A-C1
14	A	1138	CLA	CBA-CGA-O2A-C1
14	B	1202	CLA	CBA-CGA-O2A-C1
14	B	1226	CLA	CBA-CGA-O2A-C1
14	B	1236	CLA	CBA-CGA-O2A-C1
14	B	1239	CLA	CBA-CGA-O2A-C1
14	G	1118	CLA	CBA-CGA-O2A-C1
14	G	1122	CLA	CBA-CGA-O2A-C1
14	G	1129	CLA	CBA-CGA-O2A-C1
14	G	1133	CLA	CBA-CGA-O2A-C1
14	G	1135	CLA	CBA-CGA-O2A-C1
14	G	1138	CLA	CBA-CGA-O2A-C1
14	H	1202	CLA	CBA-CGA-O2A-C1
14	H	1226	CLA	CBA-CGA-O2A-C1
14	H	1236	CLA	CBA-CGA-O2A-C1
14	H	1239	CLA	CBA-CGA-O2A-C1
14	a	1118	CLA	CBA-CGA-O2A-C1
14	a	1122	CLA	CBA-CGA-O2A-C1
14	a	1129	CLA	CBA-CGA-O2A-C1
14	a	1133	CLA	CBA-CGA-O2A-C1
14	a	1135	CLA	CBA-CGA-O2A-C1
14	a	1138	CLA	CBA-CGA-O2A-C1
14	b	1202	CLA	CBA-CGA-O2A-C1
14	b	1226	CLA	CBA-CGA-O2A-C1
14	b	1236	CLA	CBA-CGA-O2A-C1
14	b	1239	CLA	CBA-CGA-O2A-C1
21	L	6002	LMT	C4B-C5B-C6B-O6B
21	U	6002	LMT	C4B-C5B-C6B-O6B
21	l	6002	LMT	C4B-C5B-C6B-O6B
18	A	4003	BCR	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
18	B	4017	BCR	C9-C10-C11-C12
18	G	4002	BCR	C13-C14-C15-C16
18	G	4003	BCR	C9-C10-C11-C12
18	H	4017	BCR	C9-C10-C11-C12
18	b	4017	BCR	C9-C10-C11-C12
14	A	1122	CLA	O1A-CGA-O2A-C1
14	B	1211	CLA	O1A-CGA-O2A-C1
14	B	1226	CLA	O1A-CGA-O2A-C1
14	B	1236	CLA	O1A-CGA-O2A-C1
14	G	1122	CLA	O1A-CGA-O2A-C1
14	H	1211	CLA	O1A-CGA-O2A-C1
14	H	1226	CLA	O1A-CGA-O2A-C1
14	H	1236	CLA	O1A-CGA-O2A-C1
14	a	1122	CLA	O1A-CGA-O2A-C1
14	b	1211	CLA	O1A-CGA-O2A-C1
14	b	1226	CLA	O1A-CGA-O2A-C1
14	b	1236	CLA	O1A-CGA-O2A-C1
15	B	1207	F6C	C1A-C2A-CAA-CBA
15	B	1230	F6C	C1A-C2A-CAA-CBA
15	H	1207	F6C	C1A-C2A-CAA-CBA
15	H	1230	F6C	C1A-C2A-CAA-CBA
15	b	1207	F6C	C1A-C2A-CAA-CBA
15	b	1230	F6C	C1A-C2A-CAA-CBA
20	B	5002	LMG	C17-C18-C19-C20
20	H	5002	LMG	C17-C18-C19-C20
20	b	5002	LMG	C17-C18-C19-C20
21	I	6001	LMT	O5'-C5'-C6'-O6'
21	R	6001	LMT	O5'-C5'-C6'-O6'
21	i	6001	LMT	O5'-C5'-C6'-O6'
14	A	1140	CLA	C3-C5-C6-C7
14	B	1022	CLA	C3-C5-C6-C7
14	G	1140	CLA	C3-C5-C6-C7
14	H	1022	CLA	C3-C5-C6-C7
14	a	1140	CLA	C3-C5-C6-C7
14	b	1022	CLA	C3-C5-C6-C7
14	A	1140	CLA	CBD-CGD-O2D-CED
14	B	1202	CLA	CBD-CGD-O2D-CED
14	G	1140	CLA	CBD-CGD-O2D-CED
14	H	1202	CLA	CBD-CGD-O2D-CED
14	a	1140	CLA	CBD-CGD-O2D-CED
14	b	1202	CLA	CBD-CGD-O2D-CED
20	A	5003	LMG	C35-C36-C37-C38

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Mol	Chain	Res	Type	Atoms
20	G	5003	LMG	C35-C36-C37-C38
20	a	5003	LMG	C35-C36-C37-C38
19	A	5001	LHG	O2-C2-C3-O3
19	G	5001	LHG	O2-C2-C3-O3
19	a	5001	LHG	O2-C2-C3-O3
14	A	1101	CLA	O1D-CGD-O2D-CED
14	A	1120	CLA	O1D-CGD-O2D-CED
14	A	1138	CLA	O1D-CGD-O2D-CED
14	B	1208	CLA	O1D-CGD-O2D-CED
14	B	1239	CLA	O1D-CGD-O2D-CED
14	G	1101	CLA	O1D-CGD-O2D-CED
14	G	1120	CLA	O1D-CGD-O2D-CED
14	G	1138	CLA	O1D-CGD-O2D-CED
14	H	1208	CLA	O1D-CGD-O2D-CED
14	H	1239	CLA	O1D-CGD-O2D-CED
14	a	1101	CLA	O1D-CGD-O2D-CED
14	a	1120	CLA	O1D-CGD-O2D-CED
14	b	1208	CLA	O1D-CGD-O2D-CED
14	b	1239	CLA	O1D-CGD-O2D-CED
14	A	1130	CLA	CBA-CGA-O2A-C1
14	B	1022	CLA	CBA-CGA-O2A-C1
14	B	1211	CLA	CBA-CGA-O2A-C1
14	B	1215	CLA	CBA-CGA-O2A-C1
14	G	1130	CLA	CBA-CGA-O2A-C1
14	H	1022	CLA	CBA-CGA-O2A-C1
14	H	1211	CLA	CBA-CGA-O2A-C1
14	H	1215	CLA	CBA-CGA-O2A-C1
14	a	1130	CLA	CBA-CGA-O2A-C1
14	b	1022	CLA	CBA-CGA-O2A-C1
14	b	1211	CLA	CBA-CGA-O2A-C1
14	b	1215	CLA	CBA-CGA-O2A-C1
14	A	1117	CLA	O1A-CGA-O2A-C1
14	B	1214	CLA	O1A-CGA-O2A-C1
14	B	1229	CLA	O1A-CGA-O2A-C1
14	G	1117	CLA	O1A-CGA-O2A-C1
14	H	1214	CLA	O1A-CGA-O2A-C1
14	H	1229	CLA	O1A-CGA-O2A-C1
14	a	1117	CLA	O1A-CGA-O2A-C1
14	b	1214	CLA	O1A-CGA-O2A-C1
14	b	1229	CLA	O1A-CGA-O2A-C1
14	B	1227	CLA	O1D-CGD-O2D-CED
14	K	1401	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	1227	CLA	O1D-CGD-O2D-CED
14	T	1401	CLA	O1D-CGD-O2D-CED
14	a	1138	CLA	O1D-CGD-O2D-CED
14	b	1227	CLA	O1D-CGD-O2D-CED
14	k	1401	CLA	O1D-CGD-O2D-CED
21	B	6004	LMT	O5B-C5B-C6B-O6B
21	H	6004	LMT	O5B-C5B-C6B-O6B
21	b	6004	LMT	O5B-C5B-C6B-O6B
14	A	1133	CLA	CBD-CGD-O2D-CED
14	A	1141	CLA	CBD-CGD-O2D-CED
14	G	1133	CLA	CBD-CGD-O2D-CED
14	G	1141	CLA	CBD-CGD-O2D-CED
14	a	1133	CLA	CBD-CGD-O2D-CED
14	a	1141	CLA	CBD-CGD-O2D-CED
15	B	1230	F6C	O1D-CGD-O2D-CED
15	H	1230	F6C	O1D-CGD-O2D-CED
15	b	1230	F6C	O1D-CGD-O2D-CED
14	G	1130	CLA	O1A-CGA-O2A-C1
21	L	6101	LMT	O5B-C5B-C6B-O6B
21	U	6101	LMT	O5B-C5B-C6B-O6B
21	l	6101	LMT	O5B-C5B-C6B-O6B
14	A	1132	CLA	O1D-CGD-O2D-CED
14	B	1218	CLA	O1D-CGD-O2D-CED
14	B	1236	CLA	O1D-CGD-O2D-CED
14	G	1132	CLA	O1D-CGD-O2D-CED
14	H	1218	CLA	O1D-CGD-O2D-CED
14	H	1236	CLA	O1D-CGD-O2D-CED
14	a	1132	CLA	O1D-CGD-O2D-CED
14	b	1218	CLA	O1D-CGD-O2D-CED
14	b	1236	CLA	O1D-CGD-O2D-CED
15	A	1121	F6C	O1D-CGD-O2D-CED
15	G	1121	F6C	O1D-CGD-O2D-CED
15	a	1121	F6C	O1D-CGD-O2D-CED
14	A	1115	CLA	C3-C5-C6-C7
14	B	1202	CLA	C3-C5-C6-C7
14	B	1206	CLA	C3-C5-C6-C7
14	B	1224	CLA	C3-C5-C6-C7
14	G	1115	CLA	C3-C5-C6-C7
14	H	1202	CLA	C3-C5-C6-C7
14	H	1206	CLA	C3-C5-C6-C7
14	H	1224	CLA	C3-C5-C6-C7
14	a	1115	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	b	1202	CLA	C3-C5-C6-C7
14	b	1206	CLA	C3-C5-C6-C7
14	b	1224	CLA	C3-C5-C6-C7
14	B	1205	CLA	CBD-CGD-O2D-CED
14	B	1212	CLA	CBD-CGD-O2D-CED
14	H	1205	CLA	CBD-CGD-O2D-CED
14	H	1212	CLA	CBD-CGD-O2D-CED
14	b	1205	CLA	CBD-CGD-O2D-CED
14	b	1212	CLA	CBD-CGD-O2D-CED
15	B	1237	F6C	CBD-CGD-O2D-CED
15	H	1237	F6C	CBD-CGD-O2D-CED
15	b	1237	F6C	CBD-CGD-O2D-CED
14	B	1235	CLA	O1D-CGD-O2D-CED
14	H	1235	CLA	O1D-CGD-O2D-CED
14	b	1235	CLA	O1D-CGD-O2D-CED
14	A	1109	CLA	CBA-CGA-O2A-C1
14	G	1109	CLA	CBA-CGA-O2A-C1
14	a	1109	CLA	CBA-CGA-O2A-C1
14	A	1115	CLA	C4-C3-C5-C6
14	A	1136	CLA	C4-C3-C5-C6
14	G	1115	CLA	C4-C3-C5-C6
14	G	1136	CLA	C4-C3-C5-C6
14	a	1115	CLA	C4-C3-C5-C6
14	a	1136	CLA	C4-C3-C5-C6
14	A	1109	CLA	C2-C3-C5-C6
14	A	1115	CLA	C2-C3-C5-C6
14	A	1136	CLA	C2-C3-C5-C6
14	B	1203	CLA	C2-C3-C5-C6
14	B	1224	CLA	C2-C3-C5-C6
14	G	1109	CLA	C2-C3-C5-C6
14	G	1115	CLA	C2-C3-C5-C6
14	G	1136	CLA	C2-C3-C5-C6
14	H	1203	CLA	C2-C3-C5-C6
14	H	1224	CLA	C2-C3-C5-C6
14	a	1109	CLA	C2-C3-C5-C6
14	a	1115	CLA	C2-C3-C5-C6
14	a	1136	CLA	C2-C3-C5-C6
14	b	1203	CLA	C2-C3-C5-C6
14	b	1224	CLA	C2-C3-C5-C6
15	B	1207	F6C	C2-C3-C5-C6
15	H	1207	F6C	C2-C3-C5-C6
15	b	1207	F6C	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	1130	CLA	O1A-CGA-O2A-C1
14	a	1130	CLA	O1A-CGA-O2A-C1
14	B	1216	CLA	CBD-CGD-O2D-CED
14	B	1225	CLA	CBD-CGD-O2D-CED
14	H	1216	CLA	CBD-CGD-O2D-CED
14	H	1225	CLA	CBD-CGD-O2D-CED
14	b	1216	CLA	CBD-CGD-O2D-CED
14	b	1225	CLA	CBD-CGD-O2D-CED
21	L	6101	LMT	O5'-C5'-C6'-O6'
21	U	6101	LMT	O5'-C5'-C6'-O6'
21	l	6101	LMT	O5'-C5'-C6'-O6'
15	B	1237	F6C	C2A-CAA-CBA-CGA
15	B	1238	F6C	C2A-CAA-CBA-CGA
15	H	1237	F6C	C2A-CAA-CBA-CGA
15	H	1238	F6C	C2A-CAA-CBA-CGA
15	b	1237	F6C	C2A-CAA-CBA-CGA
15	b	1238	F6C	C2A-CAA-CBA-CGA
21	B	6003	LMT	C4B-C5B-C6B-O6B
21	H	6003	LMT	C4B-C5B-C6B-O6B
21	b	6003	LMT	C4B-C5B-C6B-O6B
14	G	1119	CLA	C2A-CAA-CBA-CGA
14	a	1119	CLA	C2A-CAA-CBA-CGA
14	B	1202	CLA	O1A-CGA-O2A-C1
14	H	1202	CLA	O1A-CGA-O2A-C1
14	b	1202	CLA	O1A-CGA-O2A-C1
14	A	1111	CLA	C3-C5-C6-C7
14	G	1111	CLA	C3-C5-C6-C7
14	a	1111	CLA	C3-C5-C6-C7
20	A	5003	LMG	O6-C1-O1-C7
20	G	5003	LMG	O6-C1-O1-C7
20	a	5003	LMG	O6-C1-O1-C7
21	A	6001	LMT	O5'-C1'-O1'-C1
21	A	6004	LMT	O5'-C1'-O1'-C1
21	B	6003	LMT	O5'-C1'-O1'-C1
21	B	6004	LMT	O5'-C1'-O1'-C1
21	G	6001	LMT	O5'-C1'-O1'-C1
21	G	6004	LMT	O5'-C1'-O1'-C1
21	H	6003	LMT	O5'-C1'-O1'-C1
21	H	6004	LMT	O5'-C1'-O1'-C1
21	a	6001	LMT	O5'-C1'-O1'-C1
21	a	6004	LMT	O5'-C1'-O1'-C1
21	b	6003	LMT	O5'-C1'-O1'-C1

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Mol	Chain	Res	Type	Atoms
21	b	6004	LMT	O5'-C1'-O1'-C1
21	L	6002	LMT	O5B-C5B-C6B-O6B
21	U	6002	LMT	O5B-C5B-C6B-O6B
21	l	6002	LMT	O5B-C5B-C6B-O6B
14	A	1104	CLA	CBA-CGA-O2A-C1
14	G	1104	CLA	CBA-CGA-O2A-C1
14	a	1104	CLA	CBA-CGA-O2A-C1
14	B	1204	CLA	CBD-CGD-O2D-CED
14	L	1503	CLA	CBD-CGD-O2D-CED
14	H	1204	CLA	CBD-CGD-O2D-CED
14	U	1503	CLA	CBD-CGD-O2D-CED
14	b	1204	CLA	CBD-CGD-O2D-CED
14	l	1503	CLA	CBD-CGD-O2D-CED
21	I	6001	LMT	O5B-C5B-C6B-O6B
21	L	6002	LMT	O5'-C5'-C6'-O6'
21	R	6001	LMT	O5B-C5B-C6B-O6B
21	U	6002	LMT	O5'-C5'-C6'-O6'
21	i	6001	LMT	O5B-C5B-C6B-O6B
21	l	6002	LMT	O5'-C5'-C6'-O6'
14	B	1215	CLA	O1A-CGA-O2A-C1
14	H	1215	CLA	O1A-CGA-O2A-C1
14	b	1215	CLA	O1A-CGA-O2A-C1
14	A	1117	CLA	O1D-CGD-O2D-CED
14	B	1214	CLA	O1D-CGD-O2D-CED
14	B	1226	CLA	O1D-CGD-O2D-CED
14	B	1234	CLA	O1D-CGD-O2D-CED
14	G	1117	CLA	O1D-CGD-O2D-CED
14	H	1214	CLA	O1D-CGD-O2D-CED
14	H	1226	CLA	O1D-CGD-O2D-CED
14	H	1234	CLA	O1D-CGD-O2D-CED
14	a	1117	CLA	O1D-CGD-O2D-CED
14	b	1214	CLA	O1D-CGD-O2D-CED
14	b	1226	CLA	O1D-CGD-O2D-CED
14	b	1234	CLA	O1D-CGD-O2D-CED
21	G	6004	LMT	C4'-C5'-C6'-O6'
21	a	6004	LMT	C4'-C5'-C6'-O6'
14	B	1220	CLA	CBD-CGD-O2D-CED
14	H	1220	CLA	CBD-CGD-O2D-CED
14	b	1220	CLA	CBD-CGD-O2D-CED
21	B	6004	LMT	O5'-C5'-C6'-O6'
21	H	6004	LMT	O5'-C5'-C6'-O6'
21	b	6004	LMT	O5'-C5'-C6'-O6'

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Mol	Chain	Res	Type	Atoms
21	A	6004	LMT	C4'-C5'-C6'-O6'
21	L	6101	LMT	C4B-C5B-C6B-O6B
21	U	6101	LMT	C4B-C5B-C6B-O6B
21	l	6101	LMT	C4B-C5B-C6B-O6B
18	A	4002	BCR	C13-C14-C15-C16
18	a	4002	BCR	C13-C14-C15-C16
18	a	4003	BCR	C9-C10-C11-C12
14	A	1109	CLA	O1A-CGA-O2A-C1
14	G	1109	CLA	O1A-CGA-O2A-C1
14	a	1109	CLA	O1A-CGA-O2A-C1
15	B	1219	F6C	C1A-C2A-CAA-CBA
15	H	1219	F6C	C1A-C2A-CAA-CBA
15	b	1219	F6C	C1A-C2A-CAA-CBA
14	A	1116	CLA	CBA-CGA-O2A-C1
14	A	1123	CLA	CBA-CGA-O2A-C1
14	B	1201	CLA	CBA-CGA-O2A-C1
14	B	1216	CLA	CBA-CGA-O2A-C1
14	G	1116	CLA	CBA-CGA-O2A-C1
14	G	1123	CLA	CBA-CGA-O2A-C1
14	H	1201	CLA	CBA-CGA-O2A-C1
14	H	1216	CLA	CBA-CGA-O2A-C1
14	a	1116	CLA	CBA-CGA-O2A-C1
14	a	1123	CLA	CBA-CGA-O2A-C1
14	b	1201	CLA	CBA-CGA-O2A-C1
14	b	1216	CLA	CBA-CGA-O2A-C1
15	B	1219	F6C	CBA-CGA-O2A-C1
15	H	1219	F6C	CBA-CGA-O2A-C1
15	b	1219	F6C	CBA-CGA-O2A-C1
19	G	5001	LHG	C11-C12-C13-C14
21	M	6000	LMT	O5'-C5'-C6'-O6'
21	V	6000	LMT	O5'-C5'-C6'-O6'
21	m	6000	LMT	O5'-C5'-C6'-O6'
21	A	6003	LMT	C4B-C5B-C6B-O6B
21	G	6003	LMT	C4B-C5B-C6B-O6B
21	a	6003	LMT	C4B-C5B-C6B-O6B
14	A	1127	CLA	O1D-CGD-O2D-CED
14	B	1224	CLA	O1D-CGD-O2D-CED
14	B	1228	CLA	O1D-CGD-O2D-CED
14	G	1127	CLA	O1D-CGD-O2D-CED
14	H	1228	CLA	O1D-CGD-O2D-CED
14	a	1127	CLA	O1D-CGD-O2D-CED
14	b	1228	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
19	A	5001	LHG	C11-C12-C13-C14
19	a	5001	LHG	C11-C12-C13-C14
21	B	6004	LMT	C4B-C5B-C6B-O6B
21	H	6004	LMT	C4B-C5B-C6B-O6B
14	H	1224	CLA	O1D-CGD-O2D-CED
14	a	1116	CLA	O1D-CGD-O2D-CED
14	B	1201	CLA	C4-C3-C5-C6
14	B	1203	CLA	C4-C3-C5-C6
14	B	1224	CLA	C4-C3-C5-C6
14	B	1229	CLA	C4-C3-C5-C6
14	H	1201	CLA	C4-C3-C5-C6
14	H	1203	CLA	C4-C3-C5-C6
14	H	1224	CLA	C4-C3-C5-C6
14	H	1229	CLA	C4-C3-C5-C6
14	b	1201	CLA	C4-C3-C5-C6
14	b	1203	CLA	C4-C3-C5-C6
14	b	1224	CLA	C4-C3-C5-C6
14	b	1229	CLA	C4-C3-C5-C6
14	A	1118	CLA	C2-C3-C5-C6
14	A	1126	CLA	C2-C3-C5-C6
14	B	1201	CLA	C2-C3-C5-C6
14	B	1226	CLA	C2-C3-C5-C6
14	B	1229	CLA	C2-C3-C5-C6
14	G	1118	CLA	C2-C3-C5-C6
14	G	1126	CLA	C2-C3-C5-C6
14	H	1201	CLA	C2-C3-C5-C6
14	H	1226	CLA	C2-C3-C5-C6
14	H	1229	CLA	C2-C3-C5-C6
14	a	1118	CLA	C2-C3-C5-C6
14	a	1126	CLA	C2-C3-C5-C6
14	b	1201	CLA	C2-C3-C5-C6
14	b	1226	CLA	C2-C3-C5-C6
14	b	1229	CLA	C2-C3-C5-C6
14	A	1136	CLA	CBD-CGD-O2D-CED
14	G	1136	CLA	CBD-CGD-O2D-CED
14	a	1136	CLA	CBD-CGD-O2D-CED
14	A	1104	CLA	C14-C13-C15-C16
14	A	1117	CLA	C14-C13-C15-C16
14	A	1123	CLA	C6-C7-C8-C9
14	A	1126	CLA	C6-C7-C8-C9
14	B	1201	CLA	C14-C13-C15-C16
14	B	1203	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	B	1216	CLA	C6-C7-C8-C9
14	B	1220	CLA	C11-C10-C8-C9
14	B	1221	CLA	C14-C13-C15-C16
14	B	1222	CLA	C6-C7-C8-C9
14	B	1224	CLA	C11-C12-C13-C14
14	B	1234	CLA	C6-C7-C8-C9
14	B	1240	CLA	C11-C12-C13-C14
14	G	1104	CLA	C14-C13-C15-C16
14	G	1117	CLA	C14-C13-C15-C16
14	G	1123	CLA	C6-C7-C8-C9
14	G	1126	CLA	C6-C7-C8-C9
14	H	1201	CLA	C14-C13-C15-C16
14	H	1203	CLA	C11-C10-C8-C9
14	H	1216	CLA	C6-C7-C8-C9
14	H	1220	CLA	C11-C10-C8-C9
14	H	1221	CLA	C14-C13-C15-C16
14	H	1222	CLA	C6-C7-C8-C9
14	H	1224	CLA	C11-C12-C13-C14
14	H	1234	CLA	C6-C7-C8-C9
14	H	1240	CLA	C11-C12-C13-C14
14	a	1104	CLA	C14-C13-C15-C16
14	a	1117	CLA	C14-C13-C15-C16
14	a	1123	CLA	C6-C7-C8-C9
14	a	1126	CLA	C6-C7-C8-C9
14	b	1201	CLA	C14-C13-C15-C16
14	b	1203	CLA	C11-C10-C8-C9
14	b	1216	CLA	C6-C7-C8-C9
14	b	1220	CLA	C11-C10-C8-C9
14	b	1221	CLA	C14-C13-C15-C16
14	b	1222	CLA	C6-C7-C8-C9
14	b	1224	CLA	C11-C12-C13-C14
14	b	1234	CLA	C6-C7-C8-C9
14	b	1240	CLA	C11-C12-C13-C14
15	B	1207	F6C	C14-C13-C15-C16
15	B	1237	F6C	C6-C7-C8-C9
15	B	1237	F6C	C11-C10-C8-C9
15	B	1237	F6C	C11-C12-C13-C14
15	H	1207	F6C	C14-C13-C15-C16
15	H	1237	F6C	C6-C7-C8-C9
15	H	1237	F6C	C11-C10-C8-C9
15	H	1237	F6C	C11-C12-C13-C14
15	b	1207	F6C	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
15	b	1237	F6C	C6-C7-C8-C9
15	b	1237	F6C	C11-C10-C8-C9
15	b	1237	F6C	C11-C12-C13-C14
16	A	2001	PQN	C19-C18-C20-C21
16	G	2001	PQN	C19-C18-C20-C21
16	a	2001	PQN	C19-C18-C20-C21
21	b	6004	LMT	C4B-C5B-C6B-O6B
14	A	1116	CLA	O1D-CGD-O2D-CED
14	A	1126	CLA	O1D-CGD-O2D-CED
14	B	1215	CLA	O1D-CGD-O2D-CED
14	G	1116	CLA	O1D-CGD-O2D-CED
14	G	1126	CLA	O1D-CGD-O2D-CED
14	H	1215	CLA	O1D-CGD-O2D-CED
14	b	1215	CLA	O1D-CGD-O2D-CED
14	b	1224	CLA	O1D-CGD-O2D-CED
21	A	6001	LMT	C2'-C1'-O1'-C1
21	A	6004	LMT	C2'-C1'-O1'-C1
21	B	6004	LMT	C2'-C1'-O1'-C1
21	G	6001	LMT	C2'-C1'-O1'-C1
21	G	6004	LMT	C2'-C1'-O1'-C1
21	H	6004	LMT	C2'-C1'-O1'-C1
21	a	6001	LMT	C2'-C1'-O1'-C1
21	a	6004	LMT	C2'-C1'-O1'-C1
21	b	6004	LMT	C2'-C1'-O1'-C1
14	G	1111	CLA	O1D-CGD-O2D-CED
14	a	1126	CLA	O1D-CGD-O2D-CED
14	A	1123	CLA	O1A-CGA-O2A-C1
14	B	1201	CLA	O1A-CGA-O2A-C1
14	B	1216	CLA	O1A-CGA-O2A-C1
14	G	1123	CLA	O1A-CGA-O2A-C1
14	H	1201	CLA	O1A-CGA-O2A-C1
14	H	1216	CLA	O1A-CGA-O2A-C1
14	a	1123	CLA	O1A-CGA-O2A-C1
14	b	1201	CLA	O1A-CGA-O2A-C1
14	b	1216	CLA	O1A-CGA-O2A-C1
21	I	6001	LMT	C4B-C5B-C6B-O6B
21	R	6001	LMT	C4B-C5B-C6B-O6B
21	i	6001	LMT	C4B-C5B-C6B-O6B
14	A	1102	CLA	O1D-CGD-O2D-CED
14	A	1106	CLA	O1D-CGD-O2D-CED
14	A	1111	CLA	O1D-CGD-O2D-CED
14	B	1223	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	1102	CLA	O1D-CGD-O2D-CED
14	G	1106	CLA	O1D-CGD-O2D-CED
14	H	1223	CLA	O1D-CGD-O2D-CED
14	a	1102	CLA	O1D-CGD-O2D-CED
14	a	1106	CLA	O1D-CGD-O2D-CED
14	a	1111	CLA	O1D-CGD-O2D-CED
14	b	1223	CLA	O1D-CGD-O2D-CED
18	A	4001	BCR	C7-C8-C9-C34
18	A	4004	BCR	C37-C22-C23-C24
18	A	4005	BCR	C7-C8-C9-C34
18	A	4005	BCR	C37-C22-C23-C24
18	A	4006	BCR	C7-C8-C9-C34
18	A	4006	BCR	C36-C18-C19-C20
18	A	4006	BCR	C37-C22-C23-C24
18	B	4004	BCR	C7-C8-C9-C34
18	B	4005	BCR	C37-C22-C23-C24
18	B	4006	BCR	C7-C8-C9-C34
18	B	4006	BCR	C37-C22-C23-C24
18	B	4014	BCR	C37-C22-C23-C24
18	B	4017	BCR	C7-C8-C9-C34
18	K	4001	BCR	C11-C12-C13-C35
18	L	4019	BCR	C7-C8-C9-C34
18	L	4022	BCR	C11-C12-C13-C35
18	M	4021	BCR	C7-C8-C9-C34
18	G	4001	BCR	C7-C8-C9-C34
18	G	4004	BCR	C37-C22-C23-C24
18	G	4005	BCR	C7-C8-C9-C34
18	G	4005	BCR	C37-C22-C23-C24
18	G	4006	BCR	C7-C8-C9-C34
18	G	4006	BCR	C36-C18-C19-C20
18	G	4006	BCR	C37-C22-C23-C24
18	H	4004	BCR	C7-C8-C9-C34
18	H	4005	BCR	C37-C22-C23-C24
18	H	4006	BCR	C7-C8-C9-C34
18	H	4006	BCR	C37-C22-C23-C24
18	H	4014	BCR	C37-C22-C23-C24
18	H	4017	BCR	C7-C8-C9-C34
18	T	4001	BCR	C11-C12-C13-C35
18	U	4019	BCR	C7-C8-C9-C34
18	U	4022	BCR	C11-C12-C13-C35
18	V	4021	BCR	C7-C8-C9-C34
18	a	4001	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
18	a	4004	BCR	C37-C22-C23-C24
18	a	4005	BCR	C7-C8-C9-C34
18	a	4005	BCR	C37-C22-C23-C24
18	a	4006	BCR	C7-C8-C9-C34
18	a	4006	BCR	C36-C18-C19-C20
18	a	4006	BCR	C37-C22-C23-C24
18	b	4004	BCR	C7-C8-C9-C34
18	b	4005	BCR	C37-C22-C23-C24
18	b	4006	BCR	C7-C8-C9-C34
18	b	4006	BCR	C37-C22-C23-C24
18	b	4014	BCR	C37-C22-C23-C24
18	b	4017	BCR	C7-C8-C9-C34
18	k	4001	BCR	C11-C12-C13-C35
18	l	4019	BCR	C7-C8-C9-C34
18	l	4022	BCR	C11-C12-C13-C35
18	m	4021	BCR	C7-C8-C9-C34
18	A	4001	BCR	C7-C8-C9-C10
18	A	4004	BCR	C21-C22-C23-C24
18	A	4005	BCR	C21-C22-C23-C24
18	A	4006	BCR	C21-C22-C23-C24
18	B	4004	BCR	C7-C8-C9-C10
18	I	4018	BCR	C7-C8-C9-C10
18	K	4001	BCR	C11-C12-C13-C14
18	L	4019	BCR	C7-C8-C9-C10
18	M	4021	BCR	C7-C8-C9-C10
18	G	4001	BCR	C7-C8-C9-C10
18	G	4004	BCR	C21-C22-C23-C24
18	G	4005	BCR	C21-C22-C23-C24
18	G	4006	BCR	C21-C22-C23-C24
18	H	4004	BCR	C7-C8-C9-C10
18	R	4018	BCR	C7-C8-C9-C10
18	T	4001	BCR	C11-C12-C13-C14
18	U	4019	BCR	C7-C8-C9-C10
18	V	4021	BCR	C7-C8-C9-C10
18	a	4001	BCR	C7-C8-C9-C10
18	a	4004	BCR	C21-C22-C23-C24
18	a	4005	BCR	C21-C22-C23-C24
18	a	4006	BCR	C21-C22-C23-C24
18	b	4004	BCR	C7-C8-C9-C10
18	i	4018	BCR	C7-C8-C9-C10
18	k	4001	BCR	C11-C12-C13-C14
18	l	4019	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
18	m	4021	BCR	C7-C8-C9-C10
14	A	1122	CLA	C2A-CAA-CBA-CGA
14	B	1213	CLA	C2A-CAA-CBA-CGA
14	B	1220	CLA	C2A-CAA-CBA-CGA
14	G	1122	CLA	C2A-CAA-CBA-CGA
14	H	1213	CLA	C2A-CAA-CBA-CGA
14	a	1122	CLA	C2A-CAA-CBA-CGA
14	b	1213	CLA	C2A-CAA-CBA-CGA
15	B	1219	F6C	O1A-CGA-O2A-C1
15	H	1219	F6C	O1A-CGA-O2A-C1
15	b	1219	F6C	O1A-CGA-O2A-C1
21	I	6001	LMT	C4'-C5'-C6'-O6'
21	R	6001	LMT	C4'-C5'-C6'-O6'
21	i	6001	LMT	C4'-C5'-C6'-O6'
21	B	6003	LMT	O5B-C5B-C6B-O6B
21	H	6003	LMT	O5B-C5B-C6B-O6B
21	b	6003	LMT	O5B-C5B-C6B-O6B
19	A	5002	LHG	O7-C5-C6-O8
19	G	5002	LHG	O7-C5-C6-O8
19	a	5002	LHG	O7-C5-C6-O8
14	B	1231	CLA	O1D-CGD-O2D-CED
14	A	1112	CLA	CBA-CGA-O2A-C1
14	A	1131	CLA	CBA-CGA-O2A-C1
14	B	1234	CLA	CBA-CGA-O2A-C1
14	G	1112	CLA	CBA-CGA-O2A-C1
14	G	1131	CLA	CBA-CGA-O2A-C1
14	H	1234	CLA	CBA-CGA-O2A-C1
14	a	1112	CLA	CBA-CGA-O2A-C1
14	a	1131	CLA	CBA-CGA-O2A-C1
14	b	1234	CLA	CBA-CGA-O2A-C1
14	B	1226	CLA	C10-C11-C12-C13
14	H	1226	CLA	C10-C11-C12-C13
14	b	1226	CLA	C10-C11-C12-C13
14	A	1128	CLA	C2-C1-O2A-CGA
14	A	1136	CLA	C2-C1-O2A-CGA
14	A	1140	CLA	C2-C1-O2A-CGA
14	G	1128	CLA	C2-C1-O2A-CGA
14	G	1136	CLA	C2-C1-O2A-CGA
14	G	1140	CLA	C2-C1-O2A-CGA
14	a	1128	CLA	C2-C1-O2A-CGA
14	a	1136	CLA	C2-C1-O2A-CGA
14	a	1140	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	A	1012	CLA	O1D-CGD-O2D-CED
14	G	1012	CLA	O1D-CGD-O2D-CED
14	H	1231	CLA	O1D-CGD-O2D-CED
14	a	1012	CLA	O1D-CGD-O2D-CED
14	b	1231	CLA	O1D-CGD-O2D-CED
14	B	1021	CLA	C10-C11-C12-C13
14	B	1221	CLA	C5-C6-C7-C8
14	H	1021	CLA	C10-C11-C12-C13
14	H	1221	CLA	C5-C6-C7-C8
14	b	1021	CLA	C10-C11-C12-C13
14	b	1221	CLA	C5-C6-C7-C8
16	A	2001	PQN	C25-C26-C27-C28
16	G	2001	PQN	C25-C26-C27-C28
16	a	2001	PQN	C25-C26-C27-C28
14	A	1105	CLA	O1D-CGD-O2D-CED
14	A	1130	CLA	O1D-CGD-O2D-CED
14	G	1105	CLA	O1D-CGD-O2D-CED
14	a	1105	CLA	O1D-CGD-O2D-CED
15	B	1219	F6C	CBD-CGD-O2D-CED
15	H	1219	F6C	CBD-CGD-O2D-CED
15	b	1219	F6C	CBD-CGD-O2D-CED
20	I	5006	LMG	O6-C5-C6-O5
20	R	5006	LMG	O6-C5-C6-O5
20	i	5006	LMG	O6-C5-C6-O5
13	A	1011	CL0	C11-C12-C13-C15
13	G	1011	CL0	C11-C12-C13-C15
13	a	1011	CL0	C11-C12-C13-C15
14	A	1104	CLA	C11-C10-C8-C7
14	A	1136	CLA	C6-C7-C8-C10
14	B	1206	CLA	C6-C7-C8-C10
14	B	1206	CLA	C11-C12-C13-C15
14	G	1104	CLA	C11-C10-C8-C7
14	G	1136	CLA	C6-C7-C8-C10
14	H	1206	CLA	C6-C7-C8-C10
14	H	1206	CLA	C11-C12-C13-C15
14	a	1104	CLA	C11-C10-C8-C7
14	a	1136	CLA	C6-C7-C8-C10
14	b	1206	CLA	C6-C7-C8-C10
14	b	1206	CLA	C11-C12-C13-C15
15	B	1207	F6C	C6-C7-C8-C10
15	H	1207	F6C	C6-C7-C8-C10
15	b	1207	F6C	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	A	1106	CLA	CBA-CGA-O2A-C1
14	M	1501	CLA	CBA-CGA-O2A-C1
14	G	1106	CLA	CBA-CGA-O2A-C1
14	V	1501	CLA	CBA-CGA-O2A-C1
14	a	1106	CLA	CBA-CGA-O2A-C1
14	m	1501	CLA	CBA-CGA-O2A-C1
21	A	6001	LMT	O5'-C5'-C6'-O6'
21	A	6003	LMT	O5'-C5'-C6'-O6'
21	G	6001	LMT	O5'-C5'-C6'-O6'
21	G	6003	LMT	O5'-C5'-C6'-O6'
21	a	6001	LMT	O5'-C5'-C6'-O6'
21	a	6003	LMT	O5'-C5'-C6'-O6'
14	G	1125	CLA	C15-C16-C17-C18
14	G	1130	CLA	O1D-CGD-O2D-CED
14	a	1130	CLA	O1D-CGD-O2D-CED
18	K	4001	BCR	C9-C10-C11-C12
18	T	4001	BCR	C9-C10-C11-C12
18	k	4001	BCR	C9-C10-C11-C12
21	A	6003	LMT	O1'-C1-C2-C3
21	G	6003	LMT	O1'-C1-C2-C3
21	a	6003	LMT	O1'-C1-C2-C3
14	A	1125	CLA	C15-C16-C17-C18
14	B	1216	CLA	C15-C16-C17-C18
14	B	1239	CLA	C10-C11-C12-C13
14	G	1123	CLA	C5-C6-C7-C8
14	H	1216	CLA	C15-C16-C17-C18
14	H	1239	CLA	C10-C11-C12-C13
14	a	1125	CLA	C15-C16-C17-C18
14	b	1216	CLA	C15-C16-C17-C18
14	b	1239	CLA	C10-C11-C12-C13
15	B	1207	F6C	C13-C15-C16-C17
15	H	1207	F6C	C13-C15-C16-C17
15	b	1207	F6C	C13-C15-C16-C17
14	B	1201	CLA	O1D-CGD-O2D-CED
14	H	1201	CLA	O1D-CGD-O2D-CED
14	b	1201	CLA	O1D-CGD-O2D-CED
21	B	6002	LMT	O5'-C5'-C6'-O6'
21	H	6002	LMT	O5'-C5'-C6'-O6'
21	b	6002	LMT	O5'-C5'-C6'-O6'
19	L	5101	LHG	C7-C8-C9-C10
19	U	5101	LHG	C7-C8-C9-C10
19	l	5101	LHG	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
20	I	5006	LMG	C10-C11-C12-C13
20	R	5006	LMG	C10-C11-C12-C13
20	i	5006	LMG	C10-C11-C12-C13
14	A	1104	CLA	O1A-CGA-O2A-C1
14	A	1116	CLA	O1A-CGA-O2A-C1
14	G	1104	CLA	O1A-CGA-O2A-C1
14	G	1116	CLA	O1A-CGA-O2A-C1
14	a	1104	CLA	O1A-CGA-O2A-C1
14	a	1116	CLA	O1A-CGA-O2A-C1
14	A	1104	CLA	CBD-CGD-O2D-CED
14	G	1104	CLA	CBD-CGD-O2D-CED
14	a	1104	CLA	CBD-CGD-O2D-CED
14	A	1123	CLA	C5-C6-C7-C8
14	A	1128	CLA	C5-C6-C7-C8
14	A	1133	CLA	C10-C11-C12-C13
14	B	1021	CLA	C13-C15-C16-C17
14	B	1205	CLA	C15-C16-C17-C18
14	B	1211	CLA	C5-C6-C7-C8
14	B	1220	CLA	C13-C15-C16-C17
14	B	1234	CLA	C5-C6-C7-C8
14	G	1128	CLA	C5-C6-C7-C8
14	G	1133	CLA	C10-C11-C12-C13
14	H	1021	CLA	C13-C15-C16-C17
14	H	1205	CLA	C15-C16-C17-C18
14	H	1211	CLA	C5-C6-C7-C8
14	H	1220	CLA	C5-C6-C7-C8
14	H	1220	CLA	C13-C15-C16-C17
14	H	1234	CLA	C5-C6-C7-C8
14	a	1123	CLA	C5-C6-C7-C8
14	a	1128	CLA	C5-C6-C7-C8
14	a	1133	CLA	C10-C11-C12-C13
14	b	1021	CLA	C13-C15-C16-C17
14	b	1205	CLA	C15-C16-C17-C18
14	b	1211	CLA	C5-C6-C7-C8
14	b	1220	CLA	C13-C15-C16-C17
14	b	1234	CLA	C5-C6-C7-C8
14	A	1106	CLA	C2A-CAA-CBA-CGA
14	A	1111	CLA	C2A-CAA-CBA-CGA
14	A	1116	CLA	C2A-CAA-CBA-CGA
14	A	1127	CLA	C2A-CAA-CBA-CGA
14	A	1134	CLA	C2A-CAA-CBA-CGA
14	B	1221	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	B	1225	CLA	C2A-CAA-CBA-CGA
14	B	1236	CLA	C2A-CAA-CBA-CGA
14	G	1106	CLA	C2A-CAA-CBA-CGA
14	G	1111	CLA	C2A-CAA-CBA-CGA
14	G	1116	CLA	C2A-CAA-CBA-CGA
14	G	1127	CLA	C2A-CAA-CBA-CGA
14	G	1134	CLA	C2A-CAA-CBA-CGA
14	H	1221	CLA	C2A-CAA-CBA-CGA
14	H	1225	CLA	C2A-CAA-CBA-CGA
14	H	1236	CLA	C2A-CAA-CBA-CGA
14	a	1106	CLA	C2A-CAA-CBA-CGA
14	a	1111	CLA	C2A-CAA-CBA-CGA
14	a	1116	CLA	C2A-CAA-CBA-CGA
14	a	1127	CLA	C2A-CAA-CBA-CGA
14	a	1134	CLA	C2A-CAA-CBA-CGA
14	b	1220	CLA	C2A-CAA-CBA-CGA
14	b	1221	CLA	C2A-CAA-CBA-CGA
14	b	1225	CLA	C2A-CAA-CBA-CGA
14	b	1236	CLA	C2A-CAA-CBA-CGA
18	A	4005	BCR	C10-C11-C12-C13
18	G	4005	BCR	C10-C11-C12-C13
18	a	4005	BCR	C10-C11-C12-C13
14	A	1104	CLA	C10-C11-C12-C13
14	A	1126	CLA	C8-C10-C11-C12
14	A	1133	CLA	C5-C6-C7-C8
14	A	1140	CLA	C5-C6-C7-C8
14	B	1220	CLA	C5-C6-C7-C8
14	B	1224	CLA	C8-C10-C11-C12
14	B	1229	CLA	C10-C11-C12-C13
14	B	1234	CLA	C15-C16-C17-C18
14	B	1235	CLA	C10-C11-C12-C13
14	G	1104	CLA	C10-C11-C12-C13
14	G	1126	CLA	C8-C10-C11-C12
14	G	1133	CLA	C5-C6-C7-C8
14	G	1140	CLA	C5-C6-C7-C8
14	H	1224	CLA	C8-C10-C11-C12
14	H	1229	CLA	C10-C11-C12-C13
14	H	1234	CLA	C15-C16-C17-C18
14	H	1235	CLA	C10-C11-C12-C13
14	a	1104	CLA	C10-C11-C12-C13
14	a	1126	CLA	C8-C10-C11-C12
14	a	1133	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	a	1140	CLA	C5-C6-C7-C8
14	b	1220	CLA	C5-C6-C7-C8
14	b	1224	CLA	C8-C10-C11-C12
14	b	1229	CLA	C10-C11-C12-C13
14	b	1234	CLA	C15-C16-C17-C18
14	b	1235	CLA	C10-C11-C12-C13
15	B	1237	F6C	C8-C10-C11-C12
15	H	1237	F6C	C8-C10-C11-C12
15	b	1237	F6C	C8-C10-C11-C12
16	A	2001	PQN	C18-C20-C21-C22
16	G	2001	PQN	C18-C20-C21-C22
16	a	2001	PQN	C18-C20-C21-C22
21	A	6004	LMT	O5'-C5'-C6'-O6'
21	G	6004	LMT	O5'-C5'-C6'-O6'
21	a	6004	LMT	O5'-C5'-C6'-O6'
14	A	1109	CLA	C5-C6-C7-C8
14	A	1119	CLA	C8-C10-C11-C12
14	A	1123	CLA	C8-C10-C11-C12
14	A	1127	CLA	C8-C10-C11-C12
14	B	1208	CLA	C10-C11-C12-C13
14	B	1215	CLA	C10-C11-C12-C13
14	B	1221	CLA	C8-C10-C11-C12
14	B	1222	CLA	C5-C6-C7-C8
14	B	1224	CLA	C10-C11-C12-C13
14	G	1109	CLA	C5-C6-C7-C8
14	G	1119	CLA	C8-C10-C11-C12
14	G	1123	CLA	C8-C10-C11-C12
14	G	1127	CLA	C8-C10-C11-C12
14	H	1208	CLA	C10-C11-C12-C13
14	H	1215	CLA	C10-C11-C12-C13
14	H	1221	CLA	C8-C10-C11-C12
14	H	1222	CLA	C5-C6-C7-C8
14	H	1224	CLA	C10-C11-C12-C13
14	a	1109	CLA	C5-C6-C7-C8
14	a	1119	CLA	C8-C10-C11-C12
14	a	1123	CLA	C8-C10-C11-C12
14	a	1127	CLA	C8-C10-C11-C12
14	b	1208	CLA	C10-C11-C12-C13
14	b	1215	CLA	C10-C11-C12-C13
14	b	1221	CLA	C8-C10-C11-C12
14	b	1222	CLA	C5-C6-C7-C8
14	b	1224	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
15	B	1237	F6C	C13-C15-C16-C17
15	H	1237	F6C	C13-C15-C16-C17
15	b	1237	F6C	C13-C15-C16-C17
21	M	6000	LMT	O1'-C1-C2-C3
21	V	6000	LMT	O1'-C1-C2-C3
21	m	6000	LMT	O1'-C1-C2-C3
19	A	5001	LHG	C23-C24-C25-C26
19	A	5002	LHG	C23-C24-C25-C26
19	G	5001	LHG	C23-C24-C25-C26
19	G	5002	LHG	C23-C24-C25-C26
19	a	5001	LHG	C23-C24-C25-C26
19	a	5002	LHG	C23-C24-C25-C26
14	A	1109	CLA	C8-C10-C11-C12
14	A	1122	CLA	C5-C6-C7-C8
14	G	1109	CLA	C8-C10-C11-C12
14	G	1122	CLA	C5-C6-C7-C8
14	a	1109	CLA	C8-C10-C11-C12
14	a	1122	CLA	C5-C6-C7-C8
21	L	6001	LMT	O1'-C1-C2-C3
21	U	6001	LMT	O1'-C1-C2-C3
21	l	6001	LMT	O1'-C1-C2-C3
14	A	1140	CLA	O1D-CGD-O2D-CED
14	G	1140	CLA	O1D-CGD-O2D-CED
14	a	1109	CLA	O1D-CGD-O2D-CED
14	B	1231	CLA	C10-C11-C12-C13
14	H	1231	CLA	C10-C11-C12-C13
14	b	1210	CLA	C10-C11-C12-C13
14	b	1231	CLA	C10-C11-C12-C13
16	A	2001	PQN	C15-C16-C17-C18
16	G	2001	PQN	C15-C16-C17-C18
16	a	2001	PQN	C15-C16-C17-C18
21	A	6003	LMT	O5B-C5B-C6B-O6B
21	G	6003	LMT	O5B-C5B-C6B-O6B
21	a	6003	LMT	O5B-C5B-C6B-O6B
14	A	1112	CLA	O1A-CGA-O2A-C1
14	G	1112	CLA	O1A-CGA-O2A-C1
20	B	5002	LMG	C10-C11-C12-C13
20	H	5002	LMG	C10-C11-C12-C13
20	b	5002	LMG	C10-C11-C12-C13
14	A	1109	CLA	O1D-CGD-O2D-CED
14	G	1109	CLA	O1D-CGD-O2D-CED
14	a	1140	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
21	L	6101	LMT	O1'-C1-C2-C3
21	U	6101	LMT	O1'-C1-C2-C3
21	l	6101	LMT	O1'-C1-C2-C3
21	A	6002	LMT	O5'-C5'-C6'-O6'
21	G	6002	LMT	O5'-C5'-C6'-O6'
21	a	6002	LMT	O5'-C5'-C6'-O6'
14	A	1106	CLA	C8-C10-C11-C12
14	A	1109	CLA	C10-C11-C12-C13
14	B	1201	CLA	C13-C15-C16-C17
14	B	1210	CLA	C10-C11-C12-C13
14	B	1216	CLA	C5-C6-C7-C8
14	B	1239	CLA	C13-C15-C16-C17
14	G	1106	CLA	C8-C10-C11-C12
14	G	1109	CLA	C10-C11-C12-C13
14	H	1201	CLA	C13-C15-C16-C17
14	H	1210	CLA	C10-C11-C12-C13
14	H	1216	CLA	C5-C6-C7-C8
14	H	1239	CLA	C13-C15-C16-C17
14	a	1106	CLA	C8-C10-C11-C12
14	a	1109	CLA	C10-C11-C12-C13
14	b	1201	CLA	C13-C15-C16-C17
14	b	1216	CLA	C5-C6-C7-C8
14	b	1239	CLA	C13-C15-C16-C17
21	L	6001	LMT	C2-C1-O1'-C1'
21	U	6001	LMT	C2-C1-O1'-C1'
21	l	6001	LMT	C2-C1-O1'-C1'
14	B	1222	CLA	CBD-CGD-O2D-CED
14	H	1222	CLA	CBD-CGD-O2D-CED
14	b	1222	CLA	CBD-CGD-O2D-CED
14	A	1131	CLA	O1A-CGA-O2A-C1
14	G	1131	CLA	O1A-CGA-O2A-C1
14	a	1112	CLA	O1A-CGA-O2A-C1
14	a	1131	CLA	O1A-CGA-O2A-C1
14	A	1133	CLA	O1D-CGD-O2D-CED
14	G	1133	CLA	O1D-CGD-O2D-CED
14	a	1133	CLA	O1D-CGD-O2D-CED
15	B	1207	F6C	C15-C16-C17-C18
14	b	1212	CLA	O1D-CGD-O2D-CED
15	H	1207	F6C	C15-C16-C17-C18
15	b	1207	F6C	C15-C16-C17-C18
14	H	1234	CLA	O1A-CGA-O2A-C1
14	b	1234	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A	1113	CLA	C2A-CAA-CBA-CGA
14	A	1133	CLA	C2A-CAA-CBA-CGA
14	B	1217	CLA	C2A-CAA-CBA-CGA
14	G	1113	CLA	C2A-CAA-CBA-CGA
14	G	1133	CLA	C2A-CAA-CBA-CGA
14	H	1217	CLA	C2A-CAA-CBA-CGA
14	H	1220	CLA	C2A-CAA-CBA-CGA
14	a	1113	CLA	C2A-CAA-CBA-CGA
14	a	1133	CLA	C2A-CAA-CBA-CGA
14	b	1217	CLA	C2A-CAA-CBA-CGA
14	B	1212	CLA	O1D-CGD-O2D-CED
14	H	1212	CLA	O1D-CGD-O2D-CED
14	A	1104	CLA	C5-C6-C7-C8
14	A	1115	CLA	C8-C10-C11-C12
14	A	1117	CLA	C10-C11-C12-C13
14	B	1234	CLA	C8-C10-C11-C12
14	B	1240	CLA	C5-C6-C7-C8
14	G	1104	CLA	C5-C6-C7-C8
14	G	1115	CLA	C8-C10-C11-C12
14	G	1117	CLA	C10-C11-C12-C13
14	H	1234	CLA	C8-C10-C11-C12
14	H	1240	CLA	C5-C6-C7-C8
14	a	1104	CLA	C5-C6-C7-C8
14	a	1115	CLA	C8-C10-C11-C12
14	a	1117	CLA	C10-C11-C12-C13
14	b	1211	CLA	C13-C15-C16-C17
14	b	1234	CLA	C8-C10-C11-C12
14	b	1240	CLA	C5-C6-C7-C8
14	B	1234	CLA	O1A-CGA-O2A-C1
14	B	1202	CLA	O1D-CGD-O2D-CED
14	H	1202	CLA	O1D-CGD-O2D-CED
14	b	1202	CLA	O1D-CGD-O2D-CED
14	A	1103	CLA	C15-C16-C17-C18
14	A	1104	CLA	C15-C16-C17-C18
14	A	1119	CLA	C15-C16-C17-C18
14	B	1205	CLA	C10-C11-C12-C13
14	B	1208	CLA	C5-C6-C7-C8
14	B	1211	CLA	C8-C10-C11-C12
14	B	1211	CLA	C13-C15-C16-C17
14	B	1211	CLA	C15-C16-C17-C18
14	B	1222	CLA	C15-C16-C17-C18
14	G	1103	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	G	1104	CLA	C15-C16-C17-C18
14	G	1119	CLA	C15-C16-C17-C18
14	H	1205	CLA	C10-C11-C12-C13
14	H	1208	CLA	C5-C6-C7-C8
14	H	1211	CLA	C8-C10-C11-C12
14	H	1211	CLA	C13-C15-C16-C17
14	H	1211	CLA	C15-C16-C17-C18
14	H	1222	CLA	C15-C16-C17-C18
14	a	1103	CLA	C15-C16-C17-C18
14	a	1104	CLA	C15-C16-C17-C18
14	a	1119	CLA	C15-C16-C17-C18
14	b	1205	CLA	C10-C11-C12-C13
14	b	1208	CLA	C5-C6-C7-C8
14	b	1211	CLA	C8-C10-C11-C12
14	b	1211	CLA	C15-C16-C17-C18
14	b	1222	CLA	C15-C16-C17-C18
15	B	1219	F6C	C5-C6-C7-C8
15	H	1219	F6C	C5-C6-C7-C8
15	b	1219	F6C	C5-C6-C7-C8
21	I	6001	LMT	O1'-C1-C2-C3
21	R	6001	LMT	O1'-C1-C2-C3
21	i	6001	LMT	O1'-C1-C2-C3
14	B	1225	CLA	O1D-CGD-O2D-CED
14	b	1225	CLA	O1D-CGD-O2D-CED
14	A	1117	CLA	C5-C6-C7-C8
14	B	1022	CLA	C5-C6-C7-C8
14	B	1226	CLA	C5-C6-C7-C8
14	B	1229	CLA	C8-C10-C11-C12
14	G	1117	CLA	C5-C6-C7-C8
14	H	1022	CLA	C5-C6-C7-C8
14	H	1226	CLA	C5-C6-C7-C8
14	H	1229	CLA	C8-C10-C11-C12
14	a	1117	CLA	C5-C6-C7-C8
14	b	1022	CLA	C5-C6-C7-C8
14	b	1226	CLA	C5-C6-C7-C8
14	b	1229	CLA	C8-C10-C11-C12
14	H	1225	CLA	O1D-CGD-O2D-CED
15	B	1237	F6C	O1D-CGD-O2D-CED
15	H	1237	F6C	O1D-CGD-O2D-CED
15	b	1237	F6C	O1D-CGD-O2D-CED
14	B	1216	CLA	C8-C10-C11-C12
14	H	1216	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	b	1216	CLA	C8-C10-C11-C12
19	L	5101	LHG	C8-C7-O7-C5
19	U	5101	LHG	C8-C7-O7-C5
19	l	5101	LHG	C8-C7-O7-C5
16	A	2001	PQN	C21-C22-C23-C24
16	G	2001	PQN	C21-C22-C23-C24
16	a	2001	PQN	C21-C22-C23-C24
19	L	5101	LHG	C11-C10-C9-C8
19	U	5101	LHG	C11-C10-C9-C8
19	l	5101	LHG	C11-C10-C9-C8
20	B	5002	LMG	C2-C1-O1-C7
20	H	5002	LMG	C2-C1-O1-C7
20	b	5002	LMG	C2-C1-O1-C7
14	B	1231	CLA	CBA-CGA-O2A-C1
14	H	1231	CLA	CBA-CGA-O2A-C1
14	b	1231	CLA	CBA-CGA-O2A-C1
14	A	1111	CLA	C11-C12-C13-C14
14	G	1111	CLA	C11-C12-C13-C14
14	a	1111	CLA	C11-C12-C13-C14
18	L	4019	BCR	C11-C10-C9-C34
18	U	4019	BCR	C11-C10-C9-C34
18	l	4019	BCR	C11-C10-C9-C34
14	B	1214	CLA	C8-C10-C11-C12
14	H	1214	CLA	C8-C10-C11-C12
14	b	1214	CLA	C8-C10-C11-C12
18	K	4001	BCR	C36-C18-C19-C20
18	T	4001	BCR	C36-C18-C19-C20
18	k	4001	BCR	C36-C18-C19-C20
18	A	4006	BCR	C17-C18-C19-C20
18	B	4006	BCR	C21-C22-C23-C24
18	B	4014	BCR	C21-C22-C23-C24
18	G	4006	BCR	C17-C18-C19-C20
18	H	4006	BCR	C21-C22-C23-C24
18	H	4014	BCR	C21-C22-C23-C24
18	b	4006	BCR	C21-C22-C23-C24
18	b	4014	BCR	C21-C22-C23-C24
14	M	1501	CLA	O1A-CGA-O2A-C1
14	V	1501	CLA	O1A-CGA-O2A-C1
14	m	1501	CLA	O1A-CGA-O2A-C1
14	A	1131	CLA	C2A-CAA-CBA-CGA
14	A	1132	CLA	C2A-CAA-CBA-CGA
14	A	1135	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A	1140	CLA	C2A-CAA-CBA-CGA
14	B	1214	CLA	C2A-CAA-CBA-CGA
14	B	1228	CLA	C2A-CAA-CBA-CGA
14	G	1131	CLA	C2A-CAA-CBA-CGA
14	G	1132	CLA	C2A-CAA-CBA-CGA
14	G	1135	CLA	C2A-CAA-CBA-CGA
14	G	1140	CLA	C2A-CAA-CBA-CGA
14	H	1214	CLA	C2A-CAA-CBA-CGA
14	H	1228	CLA	C2A-CAA-CBA-CGA
14	a	1131	CLA	C2A-CAA-CBA-CGA
14	a	1132	CLA	C2A-CAA-CBA-CGA
14	a	1135	CLA	C2A-CAA-CBA-CGA
14	a	1140	CLA	C2A-CAA-CBA-CGA
14	b	1214	CLA	C2A-CAA-CBA-CGA
14	b	1228	CLA	C2A-CAA-CBA-CGA
19	A	5001	LHG	O1-C1-C2-C3
19	G	5001	LHG	O1-C1-C2-C3
19	a	5001	LHG	O1-C1-C2-C3
14	B	1240	CLA	O2A-C1-C2-C3
14	H	1240	CLA	O2A-C1-C2-C3
14	b	1240	CLA	O2A-C1-C2-C3
18	A	4006	BCR	C19-C20-C21-C22
18	G	4006	BCR	C19-C20-C21-C22
18	a	4006	BCR	C19-C20-C21-C22
13	A	1011	CL0	C16-C17-C18-C20
13	G	1011	CL0	C16-C17-C18-C20
13	a	1011	CL0	C16-C17-C18-C20
14	B	1211	CLA	C16-C17-C18-C19
14	B	1225	CLA	C16-C17-C18-C20
14	G	1117	CLA	C16-C17-C18-C19
14	H	1211	CLA	C16-C17-C18-C19
14	H	1225	CLA	C16-C17-C18-C20
14	a	1117	CLA	C16-C17-C18-C19
14	b	1211	CLA	C16-C17-C18-C19
14	b	1225	CLA	C16-C17-C18-C20
14	A	1141	CLA	O1D-CGD-O2D-CED
14	B	1204	CLA	O1D-CGD-O2D-CED
14	G	1141	CLA	O1D-CGD-O2D-CED
14	H	1204	CLA	O1D-CGD-O2D-CED
14	a	1141	CLA	O1D-CGD-O2D-CED
14	b	1204	CLA	O1D-CGD-O2D-CED
14	A	1106	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	1106	CLA	O1A-CGA-O2A-C1
14	a	1106	CLA	O1A-CGA-O2A-C1
14	B	1240	CLA	C8-C10-C11-C12
14	H	1240	CLA	C8-C10-C11-C12
14	b	1240	CLA	C8-C10-C11-C12
18	I	4020	BCR	C11-C10-C9-C8
18	L	4019	BCR	C11-C10-C9-C8
18	R	4020	BCR	C11-C10-C9-C8
18	U	4019	BCR	C11-C10-C9-C8
18	i	4020	BCR	C11-C10-C9-C8
18	l	4019	BCR	C11-C10-C9-C8
19	L	5101	LHG	O9-C7-O7-C5
19	U	5101	LHG	O9-C7-O7-C5
19	l	5101	LHG	O9-C7-O7-C5
20	I	5006	LMG	C11-C10-O7-C8
20	R	5006	LMG	C11-C10-O7-C8
20	i	5006	LMG	C11-C10-O7-C8
14	A	1117	CLA	C13-C15-C16-C17
14	G	1117	CLA	C13-C15-C16-C17
14	a	1117	CLA	C13-C15-C16-C17
14	L	1502	CLA	CBA-CGA-O2A-C1
14	U	1502	CLA	CBA-CGA-O2A-C1
14	l	1502	CLA	CBA-CGA-O2A-C1
14	B	1210	CLA	C2-C1-O2A-CGA
14	B	1228	CLA	C2-C1-O2A-CGA
14	B	1239	CLA	C2-C1-O2A-CGA
14	H	1210	CLA	C2-C1-O2A-CGA
14	H	1228	CLA	C2-C1-O2A-CGA
14	H	1239	CLA	C2-C1-O2A-CGA
14	b	1210	CLA	C2-C1-O2A-CGA
14	b	1228	CLA	C2-C1-O2A-CGA
14	b	1239	CLA	C2-C1-O2A-CGA
13	A	1011	CL0	C16-C17-C18-C19
13	G	1011	CL0	C16-C17-C18-C19
13	a	1011	CL0	C16-C17-C18-C19
14	A	1117	CLA	C16-C17-C18-C19
14	A	1118	CLA	C6-C7-C8-C9
14	B	1201	CLA	C16-C17-C18-C19
14	B	1211	CLA	C16-C17-C18-C20
14	B	1235	CLA	C11-C12-C13-C15
14	G	1118	CLA	C6-C7-C8-C9
14	H	1201	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	H	1211	CLA	C16-C17-C18-C20
14	H	1221	CLA	C16-C17-C18-C19
14	H	1235	CLA	C11-C12-C13-C15
14	a	1118	CLA	C6-C7-C8-C9
14	b	1201	CLA	C16-C17-C18-C19
14	b	1211	CLA	C16-C17-C18-C20
14	b	1235	CLA	C11-C12-C13-C15
21	R	6001	LMT	C6-C7-C8-C9
19	L	5102	LHG	C13-C14-C15-C16
19	l	5102	LHG	C13-C14-C15-C16
21	I	6001	LMT	C6-C7-C8-C9
14	B	1223	CLA	C8-C10-C11-C12
14	H	1223	CLA	C8-C10-C11-C12
14	b	1223	CLA	C8-C10-C11-C12
19	U	5102	LHG	C13-C14-C15-C16
21	i	6001	LMT	C6-C7-C8-C9
19	A	5002	LHG	C28-C29-C30-C31
19	L	5101	LHG	C26-C27-C28-C29
19	L	5102	LHG	C12-C13-C14-C15
19	G	5001	LHG	C11-C10-C9-C8
19	G	5002	LHG	C28-C29-C30-C31
19	U	5101	LHG	C26-C27-C28-C29
19	U	5102	LHG	C12-C13-C14-C15
19	a	5001	LHG	C11-C10-C9-C8
19	a	5002	LHG	C28-C29-C30-C31
20	I	5006	LMG	O9-C10-O7-C8
20	R	5006	LMG	O9-C10-O7-C8
20	i	5006	LMG	O9-C10-O7-C8
19	L	5102	LHG	O1-C1-C2-O2
19	U	5102	LHG	O1-C1-C2-O2
19	l	5102	LHG	O1-C1-C2-O2
19	A	5001	LHG	C11-C10-C9-C8
19	l	5101	LHG	C26-C27-C28-C29
19	l	5102	LHG	C12-C13-C14-C15
14	B	1205	CLA	O1D-CGD-O2D-CED
14	H	1205	CLA	O1D-CGD-O2D-CED
14	b	1205	CLA	O1D-CGD-O2D-CED
16	A	2001	PQN	C20-C21-C22-C23
16	G	2001	PQN	C20-C21-C22-C23
16	a	2001	PQN	C20-C21-C22-C23
14	A	1132	CLA	C4B-C3B-CAB-CBB
14	B	1204	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	1132	CLA	C4B-C3B-CAB-CBB
14	H	1204	CLA	C4B-C3B-CAB-CBB
14	a	1132	CLA	C4B-C3B-CAB-CBB
14	b	1204	CLA	C4B-C3B-CAB-CBB
14	A	1112	CLA	C6-C7-C8-C9
14	A	1112	CLA	C6-C7-C8-C10
14	B	1201	CLA	C16-C17-C18-C20
14	B	1221	CLA	C16-C17-C18-C19
14	B	1221	CLA	C16-C17-C18-C20
14	B	1224	CLA	C16-C17-C18-C20
14	B	1225	CLA	C16-C17-C18-C19
14	B	1240	CLA	C16-C17-C18-C20
14	G	1112	CLA	C6-C7-C8-C9
14	G	1112	CLA	C6-C7-C8-C10
14	H	1201	CLA	C16-C17-C18-C20
14	H	1221	CLA	C16-C17-C18-C20
14	H	1224	CLA	C16-C17-C18-C20
14	H	1225	CLA	C16-C17-C18-C19
14	H	1240	CLA	C16-C17-C18-C20
14	a	1112	CLA	C6-C7-C8-C9
14	a	1112	CLA	C6-C7-C8-C10
14	b	1201	CLA	C16-C17-C18-C20
14	b	1221	CLA	C16-C17-C18-C19
14	b	1221	CLA	C16-C17-C18-C20
14	b	1224	CLA	C16-C17-C18-C20
14	b	1225	CLA	C16-C17-C18-C19
14	b	1240	CLA	C16-C17-C18-C20
14	A	1127	CLA	C13-C15-C16-C17
14	B	1225	CLA	C5-C6-C7-C8
14	G	1127	CLA	C13-C15-C16-C17
14	H	1225	CLA	C5-C6-C7-C8
14	U	1501	CLA	C10-C11-C12-C13
14	b	1220	CLA	C15-C16-C17-C18
14	b	1225	CLA	C5-C6-C7-C8
19	A	5001	LHG	C8-C7-O7-C5
19	G	5001	LHG	C8-C7-O7-C5
19	a	5001	LHG	C8-C7-O7-C5
14	B	1021	CLA	C11-C10-C8-C7
14	B	1203	CLA	C11-C12-C13-C15
14	H	1021	CLA	C11-C10-C8-C7
14	H	1203	CLA	C11-C12-C13-C15
14	b	1021	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	b	1203	CLA	C11-C12-C13-C15
16	A	2001	PQN	C17-C18-C20-C21
16	G	2001	PQN	C17-C18-C20-C21
16	a	2001	PQN	C17-C18-C20-C21
19	L	5102	LHG	C11-C12-C13-C14
14	A	1138	CLA	C5-C6-C7-C8
14	B	1206	CLA	C5-C6-C7-C8
14	B	1220	CLA	C15-C16-C17-C18
14	L	1501	CLA	C10-C11-C12-C13
14	G	1138	CLA	C5-C6-C7-C8
14	H	1206	CLA	C5-C6-C7-C8
14	H	1220	CLA	C15-C16-C17-C18
14	a	1127	CLA	C13-C15-C16-C17
14	a	1138	CLA	C5-C6-C7-C8
14	b	1206	CLA	C5-C6-C7-C8
14	l	1501	CLA	C10-C11-C12-C13
19	U	5102	LHG	C11-C12-C13-C14
19	l	5102	LHG	C11-C12-C13-C14
20	G	5003	LMG	C29-C30-C31-C32
14	A	1012	CLA	C3A-C2A-CAA-CBA
14	A	1103	CLA	C3A-C2A-CAA-CBA
14	A	1112	CLA	C3A-C2A-CAA-CBA
14	A	1115	CLA	C3A-C2A-CAA-CBA
14	B	1236	CLA	C3A-C2A-CAA-CBA
14	G	1012	CLA	C3A-C2A-CAA-CBA
14	G	1103	CLA	C3A-C2A-CAA-CBA
14	G	1112	CLA	C3A-C2A-CAA-CBA
14	G	1115	CLA	C3A-C2A-CAA-CBA
14	H	1236	CLA	C3A-C2A-CAA-CBA
14	a	1012	CLA	C3A-C2A-CAA-CBA
14	a	1103	CLA	C3A-C2A-CAA-CBA
14	a	1112	CLA	C3A-C2A-CAA-CBA
14	a	1115	CLA	C3A-C2A-CAA-CBA
14	b	1236	CLA	C3A-C2A-CAA-CBA
14	L	1503	CLA	O1D-CGD-O2D-CED
14	U	1503	CLA	O1D-CGD-O2D-CED
14	l	1503	CLA	O1D-CGD-O2D-CED
20	A	5003	LMG	C29-C30-C31-C32
20	a	5003	LMG	C29-C30-C31-C32
21	a	6004	LMT	C1-C2-C3-C4
14	A	1111	CLA	C11-C12-C13-C15
14	B	1204	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	B	1226	CLA	C16-C17-C18-C20
14	G	1111	CLA	C11-C12-C13-C15
14	H	1204	CLA	C16-C17-C18-C19
14	H	1226	CLA	C16-C17-C18-C20
14	a	1111	CLA	C11-C12-C13-C15
14	b	1204	CLA	C16-C17-C18-C19
14	b	1226	CLA	C16-C17-C18-C20
21	A	6004	LMT	C1-C2-C3-C4
21	G	6004	LMT	C1-C2-C3-C4
14	A	1115	CLA	CBA-CGA-O2A-C1
14	G	1115	CLA	CBA-CGA-O2A-C1
14	a	1115	CLA	CBA-CGA-O2A-C1
14	B	1228	CLA	C3-C5-C6-C7
14	H	1228	CLA	C3-C5-C6-C7
14	b	1228	CLA	C3-C5-C6-C7
19	L	5102	LHG	C7-C8-C9-C10
19	U	5102	LHG	C7-C8-C9-C10
19	l	5102	LHG	C7-C8-C9-C10
14	H	1216	CLA	O1D-CGD-O2D-CED
14	b	1216	CLA	O1D-CGD-O2D-CED
19	U	5102	LHG	C26-C27-C28-C29
14	B	1216	CLA	O1D-CGD-O2D-CED
19	L	5102	LHG	C26-C27-C28-C29
19	l	5102	LHG	C26-C27-C28-C29
14	B	1235	CLA	C11-C12-C13-C14
14	H	1235	CLA	C11-C12-C13-C14
14	b	1235	CLA	C11-C12-C13-C14
14	A	1116	CLA	C2B-C3B-CAB-CBB
14	B	1205	CLA	C2B-C3B-CAB-CBB
14	B	1209	CLA	C2B-C3B-CAB-CBB
14	L	1502	CLA	C2B-C3B-CAB-CBB
14	G	1116	CLA	C2B-C3B-CAB-CBB
14	H	1205	CLA	C2B-C3B-CAB-CBB
14	H	1209	CLA	C2B-C3B-CAB-CBB
14	U	1502	CLA	C2B-C3B-CAB-CBB
14	a	1116	CLA	C2B-C3B-CAB-CBB
14	b	1205	CLA	C2B-C3B-CAB-CBB
14	b	1209	CLA	C2B-C3B-CAB-CBB
14	l	1502	CLA	C2B-C3B-CAB-CBB
18	A	4001	BCR	C1-C6-C7-C8
18	A	4001	BCR	C5-C6-C7-C8
18	A	4003	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
18	A	4003	BCR	C5-C6-C7-C8
18	A	4005	BCR	C1-C6-C7-C8
18	A	4006	BCR	C23-C24-C25-C26
18	A	4006	BCR	C23-C24-C25-C30
18	B	4006	BCR	C1-C6-C7-C8
18	B	4006	BCR	C5-C6-C7-C8
18	B	4006	BCR	C23-C24-C25-C26
18	B	4006	BCR	C23-C24-C25-C30
18	B	4009	BCR	C1-C6-C7-C8
18	B	4017	BCR	C1-C6-C7-C8
18	B	4017	BCR	C5-C6-C7-C8
18	I	4020	BCR	C23-C24-C25-C26
18	I	4020	BCR	C23-C24-C25-C30
18	K	4001	BCR	C1-C6-C7-C8
18	K	4001	BCR	C5-C6-C7-C8
18	G	4001	BCR	C1-C6-C7-C8
18	G	4001	BCR	C5-C6-C7-C8
18	G	4003	BCR	C1-C6-C7-C8
18	G	4003	BCR	C5-C6-C7-C8
18	G	4005	BCR	C1-C6-C7-C8
18	G	4006	BCR	C23-C24-C25-C26
18	G	4006	BCR	C23-C24-C25-C30
18	H	4006	BCR	C1-C6-C7-C8
18	H	4006	BCR	C5-C6-C7-C8
18	H	4006	BCR	C23-C24-C25-C26
18	H	4006	BCR	C23-C24-C25-C30
18	H	4009	BCR	C1-C6-C7-C8
18	H	4017	BCR	C1-C6-C7-C8
18	H	4017	BCR	C5-C6-C7-C8
18	R	4020	BCR	C23-C24-C25-C26
18	R	4020	BCR	C23-C24-C25-C30
18	T	4001	BCR	C1-C6-C7-C8
18	T	4001	BCR	C5-C6-C7-C8
18	a	4001	BCR	C1-C6-C7-C8
18	a	4001	BCR	C5-C6-C7-C8
18	a	4003	BCR	C1-C6-C7-C8
18	a	4003	BCR	C5-C6-C7-C8
18	a	4006	BCR	C23-C24-C25-C26
18	a	4006	BCR	C23-C24-C25-C30
18	b	4006	BCR	C1-C6-C7-C8
18	b	4006	BCR	C5-C6-C7-C8
18	b	4006	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
18	b	4006	BCR	C23-C24-C25-C30
18	b	4009	BCR	C1-C6-C7-C8
18	b	4017	BCR	C1-C6-C7-C8
18	b	4017	BCR	C5-C6-C7-C8
18	i	4020	BCR	C23-C24-C25-C26
18	i	4020	BCR	C23-C24-C25-C30
18	k	4001	BCR	C1-C6-C7-C8
18	k	4001	BCR	C5-C6-C7-C8
15	b	1238	F6C	CBA-CGA-O2A-C1
20	a	5003	LMG	C30-C31-C32-C33
14	A	1012	CLA	C2A-CAA-CBA-CGA
14	G	1012	CLA	C2A-CAA-CBA-CGA
14	a	1012	CLA	C2A-CAA-CBA-CGA
20	A	5003	LMG	C30-C31-C32-C33
20	G	5003	LMG	C30-C31-C32-C33
21	I	6001	LMT	C5-C6-C7-C8
21	R	6001	LMT	C5-C6-C7-C8
21	i	6001	LMT	C5-C6-C7-C8
14	B	1231	CLA	O1A-CGA-O2A-C1
14	H	1231	CLA	O1A-CGA-O2A-C1
14	b	1231	CLA	O1A-CGA-O2A-C1
19	A	5001	LHG	O9-C7-O7-C5
19	G	5001	LHG	O9-C7-O7-C5
19	a	5001	LHG	O9-C7-O7-C5
18	A	4003	BCR	C18-C19-C20-C21
18	A	4004	BCR	C18-C19-C20-C21
18	A	4006	BCR	C10-C11-C12-C13
18	G	4003	BCR	C18-C19-C20-C21
18	G	4004	BCR	C18-C19-C20-C21
18	G	4006	BCR	C10-C11-C12-C13
18	a	4003	BCR	C18-C19-C20-C21
18	a	4004	BCR	C18-C19-C20-C21
18	a	4006	BCR	C10-C11-C12-C13
16	B	2002	PQN	C25-C26-C27-C28
16	H	2002	PQN	C25-C26-C27-C28
16	b	2002	PQN	C25-C26-C27-C28
19	A	5002	LHG	C33-C34-C35-C36
19	G	5002	LHG	C33-C34-C35-C36
19	a	5002	LHG	C33-C34-C35-C36
14	A	1126	CLA	CBA-CGA-O2A-C1
14	L	1501	CLA	CBA-CGA-O2A-C1
14	G	1126	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	U	1501	CLA	CBA-CGA-O2A-C1
14	a	1126	CLA	CBA-CGA-O2A-C1
14	l	1501	CLA	CBA-CGA-O2A-C1
15	B	1238	F6C	CBA-CGA-O2A-C1
15	H	1238	F6C	CBA-CGA-O2A-C1
19	A	5002	LHG	C24-C23-O8-C6
19	G	5002	LHG	C24-C23-O8-C6
19	a	5002	LHG	C24-C23-O8-C6
14	B	1215	CLA	C6-C7-C8-C9
14	H	1215	CLA	C6-C7-C8-C9
14	b	1215	CLA	C6-C7-C8-C9
14	B	1231	CLA	C13-C15-C16-C17
14	B	1236	CLA	C5-C6-C7-C8
14	H	1231	CLA	C13-C15-C16-C17
14	H	1236	CLA	C5-C6-C7-C8
14	b	1231	CLA	C13-C15-C16-C17
14	b	1236	CLA	C5-C6-C7-C8
15	B	1207	F6C	C5-C6-C7-C8
15	H	1207	F6C	C5-C6-C7-C8
15	b	1207	F6C	C5-C6-C7-C8
21	V	6000	LMT	C3-C4-C5-C6
21	m	6000	LMT	C3-C4-C5-C6
19	A	5002	LHG	C13-C14-C15-C16
19	G	5002	LHG	C13-C14-C15-C16
19	a	5002	LHG	C13-C14-C15-C16
21	M	6000	LMT	C3-C4-C5-C6
14	B	1021	CLA	C15-C16-C17-C18
14	H	1021	CLA	C15-C16-C17-C18
14	b	1021	CLA	C15-C16-C17-C18
21	B	6004	LMT	C1-C2-C3-C4
21	H	6004	LMT	C1-C2-C3-C4
21	b	6004	LMT	C1-C2-C3-C4
19	A	5001	LHG	C29-C30-C31-C32
19	G	5001	LHG	C29-C30-C31-C32
19	a	5001	LHG	C29-C30-C31-C32
14	A	1140	CLA	CBA-CGA-O2A-C1
14	G	1140	CLA	CBA-CGA-O2A-C1
14	a	1140	CLA	CBA-CGA-O2A-C1
18	B	4004	BCR	C19-C20-C21-C22
18	H	4004	BCR	C19-C20-C21-C22
18	b	4004	BCR	C19-C20-C21-C22
14	A	1116	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	1117	CLA	C16-C17-C18-C20
14	G	1116	CLA	C6-C7-C8-C9
14	G	1117	CLA	C16-C17-C18-C20
14	a	1116	CLA	C6-C7-C8-C9
14	a	1117	CLA	C16-C17-C18-C20
14	l	1502	CLA	O1A-CGA-O2A-C1
20	A	5003	LMG	C36-C37-C38-C39
20	G	5003	LMG	C36-C37-C38-C39
20	a	5003	LMG	C36-C37-C38-C39
14	L	1502	CLA	O1A-CGA-O2A-C1
14	U	1502	CLA	O1A-CGA-O2A-C1
14	A	1136	CLA	C10-C11-C12-C13
14	B	1226	CLA	C13-C15-C16-C17
14	G	1136	CLA	C10-C11-C12-C13
14	a	1136	CLA	C10-C11-C12-C13
18	B	4005	BCR	C11-C12-C13-C35
18	B	4009	BCR	C7-C8-C9-C34
18	H	4005	BCR	C11-C12-C13-C35
18	H	4009	BCR	C7-C8-C9-C34
18	b	4005	BCR	C11-C12-C13-C35
18	b	4009	BCR	C7-C8-C9-C34
18	B	4009	BCR	C7-C8-C9-C10
18	H	4009	BCR	C7-C8-C9-C10
18	a	4006	BCR	C17-C18-C19-C20
18	b	4009	BCR	C7-C8-C9-C10
19	L	5102	LHG	C24-C23-O8-C6
19	U	5102	LHG	C24-C23-O8-C6
19	l	5102	LHG	C24-C23-O8-C6
14	H	1226	CLA	C13-C15-C16-C17
14	b	1226	CLA	C13-C15-C16-C17
14	A	1120	CLA	C2A-CAA-CBA-CGA
14	A	1125	CLA	C2A-CAA-CBA-CGA
14	B	1212	CLA	C2A-CAA-CBA-CGA
14	G	1120	CLA	C2A-CAA-CBA-CGA
14	G	1125	CLA	C2A-CAA-CBA-CGA
14	H	1212	CLA	C2A-CAA-CBA-CGA
14	a	1120	CLA	C2A-CAA-CBA-CGA
14	a	1125	CLA	C2A-CAA-CBA-CGA
14	b	1212	CLA	C2A-CAA-CBA-CGA
14	A	1130	CLA	C6-C7-C8-C9
14	B	1240	CLA	C16-C17-C18-C19
14	G	1130	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	H	1240	CLA	C16-C17-C18-C19
14	a	1130	CLA	C6-C7-C8-C9
14	b	1240	CLA	C16-C17-C18-C19
14	B	1240	CLA	C4-C3-C5-C6
14	H	1240	CLA	C4-C3-C5-C6
14	b	1240	CLA	C4-C3-C5-C6
14	B	1203	CLA	C5-C6-C7-C8
14	H	1203	CLA	C5-C6-C7-C8
14	b	1203	CLA	C5-C6-C7-C8
21	B	6001	LMT	C4-C5-C6-C7
21	H	6001	LMT	C4-C5-C6-C7
21	b	6001	LMT	C4-C5-C6-C7
21	A	6002	LMT	C1-C2-C3-C4
21	G	6002	LMT	C1-C2-C3-C4
19	A	5002	LHG	C18-C19-C20-C21
19	G	5002	LHG	C18-C19-C20-C21
19	a	5002	LHG	C18-C19-C20-C21
14	B	1215	CLA	C3-C5-C6-C7
14	B	1220	CLA	C3-C5-C6-C7
14	H	1215	CLA	C3-C5-C6-C7
14	H	1220	CLA	C3-C5-C6-C7
14	b	1215	CLA	C3-C5-C6-C7
14	b	1220	CLA	C3-C5-C6-C7
14	A	1104	CLA	C13-C15-C16-C17
14	B	1205	CLA	C8-C10-C11-C12
14	G	1104	CLA	C13-C15-C16-C17
14	H	1205	CLA	C8-C10-C11-C12
14	a	1104	CLA	C13-C15-C16-C17
14	b	1205	CLA	C8-C10-C11-C12
16	B	2002	PQN	C15-C16-C17-C18
16	H	2002	PQN	C15-C16-C17-C18
16	b	2002	PQN	C15-C16-C17-C18
21	a	6002	LMT	C1-C2-C3-C4
20	A	5003	LMG	C11-C10-O7-C8
20	G	5003	LMG	C11-C10-O7-C8
20	a	5003	LMG	C11-C10-O7-C8
15	A	1121	F6C	C4B-C3B-CAB-CBB
15	B	1237	F6C	C4B-C3B-CAB-CBB
15	G	1121	F6C	C4B-C3B-CAB-CBB
15	H	1237	F6C	C4B-C3B-CAB-CBB
15	a	1121	F6C	C4B-C3B-CAB-CBB
15	b	1237	F6C	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	1116	CLA	C6-C7-C8-C10
14	G	1116	CLA	C6-C7-C8-C10
14	a	1116	CLA	C6-C7-C8-C10
14	A	1115	CLA	O1A-CGA-O2A-C1
14	G	1115	CLA	O1A-CGA-O2A-C1
14	a	1115	CLA	O1A-CGA-O2A-C1
21	I	6001	LMT	C1-C2-C3-C4
21	R	6001	LMT	C1-C2-C3-C4
21	i	6001	LMT	C1-C2-C3-C4
19	A	5002	LHG	C7-C8-C9-C10
19	G	5002	LHG	C7-C8-C9-C10
19	a	5002	LHG	C7-C8-C9-C10
21	L	6002	LMT	C4'-C5'-C6'-O6'
21	U	6002	LMT	C4'-C5'-C6'-O6'
14	B	1225	CLA	C15-C16-C17-C18
14	H	1225	CLA	C15-C16-C17-C18
14	b	1225	CLA	C15-C16-C17-C18
21	A	6002	LMT	O5B-C5B-C6B-O6B
21	G	6002	LMT	O5B-C5B-C6B-O6B
21	a	6002	LMT	O5B-C5B-C6B-O6B
19	L	5101	LHG	O7-C5-C6-O8
19	U	5101	LHG	O7-C5-C6-O8
19	l	5101	LHG	O7-C5-C6-O8
21	l	6002	LMT	C4'-C5'-C6'-O6'
14	A	1136	CLA	CBA-CGA-O2A-C1
14	G	1136	CLA	CBA-CGA-O2A-C1
14	a	1136	CLA	CBA-CGA-O2A-C1
14	A	1012	CLA	C15-C16-C17-C18
14	G	1012	CLA	C15-C16-C17-C18
14	a	1012	CLA	C15-C16-C17-C18
19	L	5102	LHG	C28-C29-C30-C31
19	l	5102	LHG	C28-C29-C30-C31
14	B	1216	CLA	C2-C1-O2A-CGA
14	H	1216	CLA	C2-C1-O2A-CGA
14	b	1216	CLA	C2-C1-O2A-CGA
21	M	6000	LMT	O5B-C5B-C6B-O6B
14	A	1116	CLA	C5-C6-C7-C8
14	B	1228	CLA	C5-C6-C7-C8
14	G	1116	CLA	C5-C6-C7-C8
14	H	1228	CLA	C5-C6-C7-C8
14	a	1116	CLA	C5-C6-C7-C8
14	b	1228	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	U	5102	LHG	C28-C29-C30-C31
20	B	5002	LMG	C12-C13-C14-C15
20	H	5002	LMG	C12-C13-C14-C15
20	b	5002	LMG	C12-C13-C14-C15
21	V	6000	LMT	O5B-C5B-C6B-O6B
21	m	6000	LMT	O5B-C5B-C6B-O6B
15	B	1237	F6C	C1A-C2A-CAA-CBA
15	H	1237	F6C	C1A-C2A-CAA-CBA
15	b	1237	F6C	C1A-C2A-CAA-CBA
14	B	1240	CLA	C2-C3-C5-C6
14	H	1240	CLA	C2-C3-C5-C6
14	b	1240	CLA	C2-C3-C5-C6
14	B	1023	CLA	C2A-CAA-CBA-CGA
14	B	1224	CLA	C2A-CAA-CBA-CGA
14	H	1023	CLA	C2A-CAA-CBA-CGA
14	H	1224	CLA	C2A-CAA-CBA-CGA
14	b	1023	CLA	C2A-CAA-CBA-CGA
14	b	1224	CLA	C2A-CAA-CBA-CGA
14	A	1113	CLA	CBD-CGD-O2D-CED
14	G	1113	CLA	CBD-CGD-O2D-CED
14	a	1113	CLA	CBD-CGD-O2D-CED
21	B	6001	LMT	C7-C8-C9-C10
21	H	6001	LMT	C7-C8-C9-C10
21	b	6001	LMT	C7-C8-C9-C10
20	I	5006	LMG	C11-C12-C13-C14
20	R	5006	LMG	C11-C12-C13-C14
20	i	5006	LMG	C11-C12-C13-C14
14	A	1136	CLA	C13-C15-C16-C17
14	G	1136	CLA	C13-C15-C16-C17
14	a	1136	CLA	C13-C15-C16-C17
19	L	5102	LHG	C35-C36-C37-C38
19	l	5102	LHG	C35-C36-C37-C38
19	U	5102	LHG	C35-C36-C37-C38
19	A	5002	LHG	O10-C23-O8-C6
19	G	5002	LHG	O10-C23-O8-C6
19	a	5002	LHG	O10-C23-O8-C6
14	A	1117	CLA	C3-C5-C6-C7
14	G	1117	CLA	C3-C5-C6-C7
14	a	1117	CLA	C3-C5-C6-C7
14	A	1102	CLA	C1A-C2A-CAA-CBA
14	A	1105	CLA	C1A-C2A-CAA-CBA
14	A	1106	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	1107	CLA	C1A-C2A-CAA-CBA
14	A	1108	CLA	C1A-C2A-CAA-CBA
14	A	1113	CLA	C1A-C2A-CAA-CBA
14	A	1120	CLA	C1A-C2A-CAA-CBA
14	A	1132	CLA	C1A-C2A-CAA-CBA
14	B	1022	CLA	C1A-C2A-CAA-CBA
14	B	1202	CLA	C1A-C2A-CAA-CBA
14	B	1211	CLA	C1A-C2A-CAA-CBA
14	B	1212	CLA	C1A-C2A-CAA-CBA
14	B	1213	CLA	C1A-C2A-CAA-CBA
14	B	1215	CLA	C1A-C2A-CAA-CBA
14	B	1216	CLA	C1A-C2A-CAA-CBA
14	B	1222	CLA	C1A-C2A-CAA-CBA
14	B	1233	CLA	C1A-C2A-CAA-CBA
14	M	1501	CLA	C1A-C2A-CAA-CBA
14	G	1102	CLA	C1A-C2A-CAA-CBA
14	G	1105	CLA	C1A-C2A-CAA-CBA
14	G	1106	CLA	C1A-C2A-CAA-CBA
14	G	1107	CLA	C1A-C2A-CAA-CBA
14	G	1108	CLA	C1A-C2A-CAA-CBA
14	G	1113	CLA	C1A-C2A-CAA-CBA
14	G	1120	CLA	C1A-C2A-CAA-CBA
14	G	1132	CLA	C1A-C2A-CAA-CBA
14	H	1022	CLA	C1A-C2A-CAA-CBA
14	H	1202	CLA	C1A-C2A-CAA-CBA
14	H	1211	CLA	C1A-C2A-CAA-CBA
14	H	1212	CLA	C1A-C2A-CAA-CBA
14	H	1215	CLA	C1A-C2A-CAA-CBA
14	H	1216	CLA	C1A-C2A-CAA-CBA
14	H	1222	CLA	C1A-C2A-CAA-CBA
14	H	1233	CLA	C1A-C2A-CAA-CBA
14	V	1501	CLA	C1A-C2A-CAA-CBA
14	a	1102	CLA	C1A-C2A-CAA-CBA
14	a	1105	CLA	C1A-C2A-CAA-CBA
14	a	1106	CLA	C1A-C2A-CAA-CBA
14	a	1107	CLA	C1A-C2A-CAA-CBA
14	a	1108	CLA	C1A-C2A-CAA-CBA
14	a	1113	CLA	C1A-C2A-CAA-CBA
14	a	1120	CLA	C1A-C2A-CAA-CBA
14	a	1132	CLA	C1A-C2A-CAA-CBA
14	b	1022	CLA	C1A-C2A-CAA-CBA
14	b	1202	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b	1211	CLA	C1A-C2A-CAA-CBA
14	b	1212	CLA	C1A-C2A-CAA-CBA
14	b	1213	CLA	C1A-C2A-CAA-CBA
14	b	1215	CLA	C1A-C2A-CAA-CBA
14	b	1216	CLA	C1A-C2A-CAA-CBA
14	b	1222	CLA	C1A-C2A-CAA-CBA
14	b	1233	CLA	C1A-C2A-CAA-CBA
14	m	1501	CLA	C1A-C2A-CAA-CBA
16	B	2002	PQN	C20-C21-C22-C23
16	H	2002	PQN	C20-C21-C22-C23
16	b	2002	PQN	C20-C21-C22-C23
14	L	1501	CLA	O1A-CGA-O2A-C1
14	U	1501	CLA	O1A-CGA-O2A-C1
14	H	1220	CLA	O1D-CGD-O2D-CED
19	A	5002	LHG	O6-C4-C5-C6
19	G	5002	LHG	O6-C4-C5-C6
19	a	5002	LHG	O6-C4-C5-C6
19	G	5001	LHG	C25-C26-C27-C28
19	a	5001	LHG	C25-C26-C27-C28
14	B	1220	CLA	O1D-CGD-O2D-CED
14	b	1220	CLA	O1D-CGD-O2D-CED
14	A	1115	CLA	C12-C13-C15-C16
14	A	1117	CLA	C6-C7-C8-C10
14	A	1128	CLA	C6-C7-C8-C10
14	A	1133	CLA	C6-C7-C8-C10
14	B	1208	CLA	C11-C10-C8-C7
14	B	1211	CLA	C12-C13-C15-C16
14	B	1216	CLA	C6-C7-C8-C10
14	B	1216	CLA	C11-C12-C13-C15
14	B	1231	CLA	C6-C7-C8-C10
14	B	1240	CLA	C11-C12-C13-C15
14	G	1115	CLA	C12-C13-C15-C16
14	G	1117	CLA	C6-C7-C8-C10
14	G	1128	CLA	C6-C7-C8-C10
14	G	1133	CLA	C6-C7-C8-C10
14	H	1208	CLA	C11-C10-C8-C7
14	H	1211	CLA	C12-C13-C15-C16
14	H	1216	CLA	C6-C7-C8-C10
14	H	1216	CLA	C11-C12-C13-C15
14	H	1231	CLA	C6-C7-C8-C10
14	H	1240	CLA	C11-C12-C13-C15
14	a	1115	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	a	1117	CLA	C6-C7-C8-C10
14	a	1128	CLA	C6-C7-C8-C10
14	a	1133	CLA	C6-C7-C8-C10
14	b	1208	CLA	C11-C10-C8-C7
14	b	1211	CLA	C12-C13-C15-C16
14	b	1216	CLA	C6-C7-C8-C10
14	b	1216	CLA	C11-C12-C13-C15
14	b	1231	CLA	C6-C7-C8-C10
14	b	1240	CLA	C11-C12-C13-C15
15	B	1237	F6C	C11-C12-C13-C15
15	H	1237	F6C	C11-C12-C13-C15
15	b	1237	F6C	C11-C12-C13-C15
19	A	5001	LHG	C25-C26-C27-C28
21	I	6001	LMT	C4-C5-C6-C7
21	R	6001	LMT	C4-C5-C6-C7
21	i	6001	LMT	C4-C5-C6-C7
14	l	1501	CLA	O1A-CGA-O2A-C1
14	A	1136	CLA	C15-C16-C17-C18
14	G	1136	CLA	C15-C16-C17-C18
14	a	1136	CLA	C15-C16-C17-C18
14	B	1236	CLA	C4-C3-C5-C6
14	H	1236	CLA	C4-C3-C5-C6
14	b	1236	CLA	C4-C3-C5-C6
14	B	1225	CLA	C2-C3-C5-C6
14	H	1225	CLA	C2-C3-C5-C6
14	b	1225	CLA	C2-C3-C5-C6
20	B	5002	LMG	C33-C34-C35-C36
20	H	5002	LMG	C33-C34-C35-C36
20	b	5002	LMG	C33-C34-C35-C36
14	A	1140	CLA	O1A-CGA-O2A-C1
14	G	1140	CLA	O1A-CGA-O2A-C1
14	B	1234	CLA	C10-C11-C12-C13
14	H	1234	CLA	C10-C11-C12-C13
14	b	1234	CLA	C10-C11-C12-C13
21	A	6001	LMT	C4B-C5B-C6B-O6B
21	G	6001	LMT	C4B-C5B-C6B-O6B
21	a	6001	LMT	C4B-C5B-C6B-O6B
14	A	1013	CLA	C3-C5-C6-C7
14	A	1110	CLA	C2A-CAA-CBA-CGA
14	G	1110	CLA	C2A-CAA-CBA-CGA
14	a	1110	CLA	C2A-CAA-CBA-CGA
14	A	1117	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	1128	CLA	C6-C7-C8-C9
14	A	1133	CLA	C6-C7-C8-C9
14	A	1133	CLA	C11-C10-C8-C9
14	B	1021	CLA	C11-C10-C8-C9
14	B	1203	CLA	C14-C13-C15-C16
14	B	1216	CLA	C11-C12-C13-C14
14	B	1239	CLA	C11-C10-C8-C9
14	B	1239	CLA	C14-C13-C15-C16
14	G	1117	CLA	C6-C7-C8-C9
14	G	1128	CLA	C6-C7-C8-C9
14	G	1133	CLA	C6-C7-C8-C9
14	G	1133	CLA	C11-C10-C8-C9
14	H	1021	CLA	C11-C10-C8-C9
14	H	1203	CLA	C14-C13-C15-C16
14	H	1216	CLA	C11-C12-C13-C14
14	H	1239	CLA	C11-C10-C8-C9
14	H	1239	CLA	C14-C13-C15-C16
14	a	1117	CLA	C6-C7-C8-C9
14	a	1128	CLA	C6-C7-C8-C9
14	a	1133	CLA	C6-C7-C8-C9
14	a	1133	CLA	C11-C10-C8-C9
14	b	1021	CLA	C11-C10-C8-C9
14	b	1203	CLA	C14-C13-C15-C16
14	b	1216	CLA	C11-C12-C13-C14
14	b	1239	CLA	C11-C10-C8-C9
14	b	1239	CLA	C14-C13-C15-C16
15	B	1207	F6C	C6-C7-C8-C9
15	H	1207	F6C	C6-C7-C8-C9
15	b	1207	F6C	C6-C7-C8-C9
18	b	4006	BCR	C9-C10-C11-C12
14	a	1140	CLA	O1A-CGA-O2A-C1
15	B	1238	F6C	C1A-C2A-CAA-CBA
15	H	1238	F6C	C1A-C2A-CAA-CBA
15	b	1238	F6C	C1A-C2A-CAA-CBA
20	A	5003	LMG	O9-C10-O7-C8
20	G	5003	LMG	O9-C10-O7-C8
20	a	5003	LMG	O9-C10-O7-C8
20	I	5006	LMG	C2-C1-O1-C7
20	R	5006	LMG	C2-C1-O1-C7
20	i	5006	LMG	C2-C1-O1-C7
14	B	1202	CLA	C15-C16-C17-C18
14	H	1202	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
19	A	5001	LHG	C4-C5-C6-O8
19	L	5101	LHG	C4-C5-C6-O8
19	G	5001	LHG	C4-C5-C6-O8
19	U	5101	LHG	C4-C5-C6-O8
19	a	5001	LHG	C4-C5-C6-O8
19	l	5101	LHG	C4-C5-C6-O8
14	G	1013	CLA	C3-C5-C6-C7
14	a	1013	CLA	C3-C5-C6-C7
20	A	5003	LMG	O6-C5-C6-O5
20	G	5003	LMG	O6-C5-C6-O5
20	a	5003	LMG	O6-C5-C6-O5
14	A	1119	CLA	C10-C11-C12-C13
14	G	1119	CLA	C10-C11-C12-C13
14	a	1119	CLA	C10-C11-C12-C13
14	b	1202	CLA	C15-C16-C17-C18
20	A	5003	LMG	C12-C13-C14-C15
20	G	5003	LMG	C12-C13-C14-C15
20	a	5003	LMG	C12-C13-C14-C15
14	A	1136	CLA	O1D-CGD-O2D-CED
14	G	1136	CLA	O1D-CGD-O2D-CED
14	a	1136	CLA	O1D-CGD-O2D-CED
14	A	1013	CLA	CBA-CGA-O2A-C1
14	B	1021	CLA	CBA-CGA-O2A-C1
14	B	1235	CLA	CBA-CGA-O2A-C1
14	G	1013	CLA	CBA-CGA-O2A-C1
14	H	1021	CLA	CBA-CGA-O2A-C1
14	H	1235	CLA	CBA-CGA-O2A-C1
14	a	1013	CLA	CBA-CGA-O2A-C1
14	b	1021	CLA	CBA-CGA-O2A-C1
14	b	1235	CLA	CBA-CGA-O2A-C1
14	A	1119	CLA	C16-C17-C18-C19
14	G	1119	CLA	C16-C17-C18-C19
14	a	1119	CLA	C16-C17-C18-C19
15	B	1219	F6C	O1D-CGD-O2D-CED
15	b	1219	F6C	O1D-CGD-O2D-CED
14	B	1234	CLA	C13-C15-C16-C17
14	B	1235	CLA	C5-C6-C7-C8
14	H	1234	CLA	C13-C15-C16-C17
14	H	1235	CLA	C5-C6-C7-C8
14	b	1234	CLA	C13-C15-C16-C17
14	b	1235	CLA	C5-C6-C7-C8
14	B	1229	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	L	1503	CLA	C3-C5-C6-C7
14	H	1229	CLA	C3-C5-C6-C7
14	U	1503	CLA	C3-C5-C6-C7
14	b	1229	CLA	C3-C5-C6-C7
14	l	1503	CLA	C3-C5-C6-C7
21	B	6003	LMT	O5'-C5'-C6'-O6'
21	H	6003	LMT	O5'-C5'-C6'-O6'
21	b	6003	LMT	O5'-C5'-C6'-O6'
14	A	1126	CLA	O1A-CGA-O2A-C1
14	G	1126	CLA	O1A-CGA-O2A-C1
14	a	1126	CLA	O1A-CGA-O2A-C1
14	A	1126	CLA	C11-C12-C13-C15
14	G	1119	CLA	C16-C17-C18-C20
14	G	1126	CLA	C11-C12-C13-C15
14	a	1126	CLA	C11-C12-C13-C15
14	B	1235	CLA	O1A-CGA-O2A-C1
14	H	1235	CLA	O1A-CGA-O2A-C1
14	b	1235	CLA	O1A-CGA-O2A-C1
15	B	1238	F6C	O1A-CGA-O2A-C1
15	H	1238	F6C	O1A-CGA-O2A-C1
15	b	1238	F6C	O1A-CGA-O2A-C1
14	A	1129	CLA	C2A-CAA-CBA-CGA
14	G	1129	CLA	C2A-CAA-CBA-CGA
14	a	1129	CLA	C2A-CAA-CBA-CGA
19	A	5002	LHG	C31-C32-C33-C34
19	G	5002	LHG	C31-C32-C33-C34
19	a	5002	LHG	C31-C32-C33-C34
15	H	1219	F6C	O1D-CGD-O2D-CED
14	A	1119	CLA	CBA-CGA-O2A-C1
14	G	1119	CLA	CBA-CGA-O2A-C1
14	a	1119	CLA	CBA-CGA-O2A-C1
14	B	1214	CLA	O2A-C1-C2-C3
14	B	1231	CLA	O2A-C1-C2-C3
14	H	1214	CLA	O2A-C1-C2-C3
14	H	1231	CLA	O2A-C1-C2-C3
14	b	1214	CLA	O2A-C1-C2-C3
14	b	1231	CLA	O2A-C1-C2-C3
19	A	5002	LHG	C34-C35-C36-C37
18	B	4014	BCR	C10-C11-C12-C13
18	L	4019	BCR	C18-C19-C20-C21
18	U	4019	BCR	C18-C19-C20-C21
18	b	4014	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
18	l	4019	BCR	C18-C19-C20-C21
14	B	1210	CLA	C8-C10-C11-C12
14	H	1210	CLA	C8-C10-C11-C12
14	b	1210	CLA	C8-C10-C11-C12
19	G	5002	LHG	C34-C35-C36-C37
19	a	5002	LHG	C34-C35-C36-C37
15	B	1207	F6C	C3B-C2B-CMB-OMB
15	B	1219	F6C	C3B-C2B-CMB-OMB
15	H	1207	F6C	C3B-C2B-CMB-OMB
15	H	1219	F6C	C3B-C2B-CMB-OMB
15	b	1207	F6C	C3B-C2B-CMB-OMB
15	b	1219	F6C	C3B-C2B-CMB-OMB
18	B	4006	BCR	C9-C10-C11-C12
18	K	4001	BCR	C19-C20-C21-C22
18	H	4006	BCR	C9-C10-C11-C12
18	T	4001	BCR	C19-C20-C21-C22
18	k	4001	BCR	C19-C20-C21-C22
14	A	1119	CLA	C16-C17-C18-C20
14	a	1119	CLA	C16-C17-C18-C20
14	A	1136	CLA	O1A-CGA-O2A-C1
14	G	1136	CLA	O1A-CGA-O2A-C1
14	a	1136	CLA	O1A-CGA-O2A-C1
14	H	1206	CLA	C13-C15-C16-C17
21	L	6101	LMT	C4'-C5'-C6'-O6'
21	U	6101	LMT	C4'-C5'-C6'-O6'
21	l	6101	LMT	C4'-C5'-C6'-O6'
14	B	1206	CLA	C13-C15-C16-C17
14	b	1206	CLA	C13-C15-C16-C17
14	B	1225	CLA	CBA-CGA-O2A-C1
14	H	1225	CLA	CBA-CGA-O2A-C1
14	b	1225	CLA	CBA-CGA-O2A-C1
14	A	1125	CLA	C4-C3-C5-C6
14	G	1125	CLA	C4-C3-C5-C6
14	a	1125	CLA	C4-C3-C5-C6
15	B	1237	F6C	C4-C3-C5-C6
15	H	1237	F6C	C4-C3-C5-C6
15	b	1237	F6C	C4-C3-C5-C6
14	A	1125	CLA	C2-C3-C5-C6
14	G	1125	CLA	C2-C3-C5-C6
14	a	1125	CLA	C2-C3-C5-C6
21	L	6001	LMT	C9-C10-C11-C12
21	l	6001	LMT	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B	1222	CLA	C16-C17-C18-C20
14	B	1224	CLA	C16-C17-C18-C19
14	H	1222	CLA	C16-C17-C18-C20
14	H	1224	CLA	C16-C17-C18-C19
14	b	1222	CLA	C16-C17-C18-C20
14	b	1224	CLA	C16-C17-C18-C19
20	A	5003	LMG	C13-C14-C15-C16
21	U	6001	LMT	C9-C10-C11-C12
20	G	5003	LMG	C13-C14-C15-C16
20	a	5003	LMG	C13-C14-C15-C16
19	L	5102	LHG	C11-C10-C9-C8
19	U	5102	LHG	C11-C10-C9-C8
19	l	5102	LHG	C11-C10-C9-C8
21	L	6001	LMT	C3-C4-C5-C6
21	U	6001	LMT	C3-C4-C5-C6
21	l	6001	LMT	C3-C4-C5-C6
21	L	6101	LMT	C1-C2-C3-C4
21	U	6101	LMT	C1-C2-C3-C4
21	l	6101	LMT	C1-C2-C3-C4
19	A	5001	LHG	C13-C14-C15-C16
19	G	5001	LHG	C13-C14-C15-C16
19	a	5001	LHG	C13-C14-C15-C16
14	A	1104	CLA	O1D-CGD-O2D-CED
14	a	1104	CLA	O1D-CGD-O2D-CED
19	L	5101	LHG	C28-C29-C30-C31
19	l	5101	LHG	C28-C29-C30-C31
14	B	1204	CLA	C15-C16-C17-C18
14	L	1502	CLA	C8-C10-C11-C12
14	H	1204	CLA	C15-C16-C17-C18
14	U	1502	CLA	C8-C10-C11-C12
14	b	1204	CLA	C15-C16-C17-C18
14	l	1502	CLA	C8-C10-C11-C12
14	G	1104	CLA	O1D-CGD-O2D-CED
18	A	4003	BCR	C19-C20-C21-C22
18	G	4003	BCR	C19-C20-C21-C22
18	a	4003	BCR	C19-C20-C21-C22
14	B	1228	CLA	C6-C7-C8-C10
14	H	1228	CLA	C6-C7-C8-C10
14	b	1228	CLA	C6-C7-C8-C10
14	L	1503	CLA	C4-C3-C5-C6
14	U	1503	CLA	C4-C3-C5-C6
14	l	1503	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
19	L	5101	LHG	C11-C12-C13-C14
19	U	5101	LHG	C28-C29-C30-C31
14	A	1112	CLA	C2-C3-C5-C6
14	G	1112	CLA	C2-C3-C5-C6
14	a	1112	CLA	C2-C3-C5-C6
21	H	6001	LMT	C3-C4-C5-C6
19	l	5101	LHG	C11-C12-C13-C14
20	I	5006	LMG	C31-C32-C33-C34
20	R	5006	LMG	C31-C32-C33-C34
20	i	5006	LMG	C31-C32-C33-C34
21	B	6001	LMT	C3-C4-C5-C6
21	b	6001	LMT	C3-C4-C5-C6
19	U	5101	LHG	C11-C12-C13-C14
14	A	1104	CLA	C11-C10-C8-C9
14	A	1115	CLA	C14-C13-C15-C16
14	A	1131	CLA	C6-C7-C8-C9
14	B	1201	CLA	C11-C12-C13-C14
14	B	1206	CLA	C6-C7-C8-C9
14	B	1208	CLA	C11-C10-C8-C9
14	B	1211	CLA	C14-C13-C15-C16
14	B	1224	CLA	C11-C10-C8-C9
14	B	1231	CLA	C6-C7-C8-C9
14	B	1234	CLA	C11-C12-C13-C14
14	G	1104	CLA	C11-C10-C8-C9
14	G	1115	CLA	C14-C13-C15-C16
14	G	1131	CLA	C6-C7-C8-C9
14	H	1201	CLA	C11-C12-C13-C14
14	H	1206	CLA	C6-C7-C8-C9
14	H	1208	CLA	C11-C10-C8-C9
14	H	1211	CLA	C14-C13-C15-C16
14	H	1224	CLA	C11-C10-C8-C9
14	H	1231	CLA	C6-C7-C8-C9
14	H	1234	CLA	C11-C12-C13-C14
14	a	1104	CLA	C11-C10-C8-C9
14	a	1115	CLA	C14-C13-C15-C16
14	a	1131	CLA	C6-C7-C8-C9
14	b	1201	CLA	C11-C12-C13-C14
14	b	1206	CLA	C6-C7-C8-C9
14	b	1208	CLA	C11-C10-C8-C9
14	b	1211	CLA	C14-C13-C15-C16
14	b	1224	CLA	C11-C10-C8-C9
14	b	1231	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b	1234	CLA	C11-C12-C13-C14
14	A	1111	CLA	C8-C10-C11-C12
14	A	1111	CLA	C10-C11-C12-C13
14	A	1128	CLA	C10-C11-C12-C13
14	B	1235	CLA	C8-C10-C11-C12
14	G	1111	CLA	C8-C10-C11-C12
14	G	1128	CLA	C10-C11-C12-C13
14	H	1235	CLA	C8-C10-C11-C12
14	a	1111	CLA	C8-C10-C11-C12
14	a	1111	CLA	C10-C11-C12-C13
14	a	1128	CLA	C10-C11-C12-C13
14	b	1235	CLA	C8-C10-C11-C12
14	A	1012	CLA	C4B-C3B-CAB-CBB
14	A	1109	CLA	C4B-C3B-CAB-CBB
14	A	1118	CLA	C4B-C3B-CAB-CBB
14	A	1138	CLA	C4B-C3B-CAB-CBB
14	B	1224	CLA	C4B-C3B-CAB-CBB
14	B	1227	CLA	C4B-C3B-CAB-CBB
14	G	1012	CLA	C4B-C3B-CAB-CBB
14	G	1109	CLA	C4B-C3B-CAB-CBB
14	G	1118	CLA	C4B-C3B-CAB-CBB
14	G	1138	CLA	C4B-C3B-CAB-CBB
14	H	1224	CLA	C4B-C3B-CAB-CBB
14	H	1227	CLA	C4B-C3B-CAB-CBB
14	a	1012	CLA	C4B-C3B-CAB-CBB
14	a	1109	CLA	C4B-C3B-CAB-CBB
14	a	1118	CLA	C4B-C3B-CAB-CBB
14	a	1138	CLA	C4B-C3B-CAB-CBB
14	b	1224	CLA	C4B-C3B-CAB-CBB
14	b	1227	CLA	C4B-C3B-CAB-CBB
19	l	5102	LHG	C34-C35-C36-C37
14	A	1140	CLA	CAA-CBA-CGA-O2A
14	a	1140	CLA	CAA-CBA-CGA-O2A
19	L	5102	LHG	C34-C35-C36-C37
19	G	5001	LHG	C14-C15-C16-C17
19	U	5102	LHG	C34-C35-C36-C37
14	L	1503	CLA	C10-C11-C12-C13
14	G	1111	CLA	C10-C11-C12-C13
14	U	1503	CLA	C10-C11-C12-C13
14	l	1503	CLA	C10-C11-C12-C13
15	B	1207	F6C	C8-C10-C11-C12
15	H	1207	F6C	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
15	b	1207	F6C	C8-C10-C11-C12
14	B	1226	CLA	C16-C17-C18-C19
14	H	1226	CLA	C16-C17-C18-C19
14	b	1226	CLA	C16-C17-C18-C19
19	A	5001	LHG	C14-C15-C16-C17
19	l	5102	LHG	O10-C23-O8-C6
19	a	5001	LHG	C14-C15-C16-C17
21	L	6001	LMT	C4-C5-C6-C7
21	U	6001	LMT	C4-C5-C6-C7
21	l	6001	LMT	C4-C5-C6-C7
14	B	1211	CLA	C3-C5-C6-C7
14	H	1211	CLA	C3-C5-C6-C7
14	b	1211	CLA	C3-C5-C6-C7
14	G	1140	CLA	CAA-CBA-CGA-O2A
13	A	1011	CL0	C12-C13-C15-C16
13	G	1011	CL0	C12-C13-C15-C16
13	a	1011	CL0	C12-C13-C15-C16
14	A	1103	CLA	C11-C12-C13-C15
14	A	1127	CLA	C12-C13-C15-C16
14	A	1131	CLA	C6-C7-C8-C10
14	A	1133	CLA	C11-C10-C8-C7
14	B	1201	CLA	C11-C12-C13-C15
14	B	1203	CLA	C12-C13-C15-C16
14	B	1234	CLA	C11-C12-C13-C15
14	B	1239	CLA	C11-C10-C8-C7
14	G	1103	CLA	C11-C12-C13-C15
14	G	1127	CLA	C12-C13-C15-C16
14	G	1131	CLA	C6-C7-C8-C10
14	G	1133	CLA	C11-C10-C8-C7
14	H	1201	CLA	C11-C12-C13-C15
14	H	1203	CLA	C12-C13-C15-C16
14	H	1234	CLA	C11-C12-C13-C15
14	H	1239	CLA	C11-C10-C8-C7
14	a	1103	CLA	C11-C12-C13-C15
14	a	1127	CLA	C12-C13-C15-C16
14	a	1131	CLA	C6-C7-C8-C10
14	a	1133	CLA	C11-C10-C8-C7
14	b	1201	CLA	C11-C12-C13-C15
14	b	1203	CLA	C12-C13-C15-C16
14	b	1234	CLA	C11-C12-C13-C15
14	b	1239	CLA	C11-C10-C8-C7
14	B	1214	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	H	1214	CLA	C10-C11-C12-C13
14	b	1214	CLA	C10-C11-C12-C13
19	L	5102	LHG	O10-C23-O8-C6
19	U	5102	LHG	O10-C23-O8-C6
14	G	1125	CLA	C8-C10-C11-C12
19	a	5002	LHG	C25-C26-C27-C28
19	A	5002	LHG	C25-C26-C27-C28
19	G	5002	LHG	C25-C26-C27-C28
14	A	1102	CLA	C3A-C2A-CAA-CBA
14	A	1111	CLA	C4-C3-C5-C6
14	A	1119	CLA	C3A-C2A-CAA-CBA
14	A	1127	CLA	C3A-C2A-CAA-CBA
14	A	1131	CLA	C4-C3-C5-C6
14	A	1133	CLA	C3A-C2A-CAA-CBA
14	A	1140	CLA	C3A-C2A-CAA-CBA
14	B	1225	CLA	C4-C3-C5-C6
14	B	1227	CLA	C3A-C2A-CAA-CBA
14	B	1231	CLA	C3A-C2A-CAA-CBA
14	B	1233	CLA	C3A-C2A-CAA-CBA
14	L	1503	CLA	C3A-C2A-CAA-CBA
14	G	1102	CLA	C3A-C2A-CAA-CBA
14	G	1111	CLA	C4-C3-C5-C6
14	G	1119	CLA	C3A-C2A-CAA-CBA
14	G	1127	CLA	C3A-C2A-CAA-CBA
14	G	1131	CLA	C4-C3-C5-C6
14	G	1133	CLA	C3A-C2A-CAA-CBA
14	G	1140	CLA	C3A-C2A-CAA-CBA
14	H	1225	CLA	C4-C3-C5-C6
14	H	1227	CLA	C3A-C2A-CAA-CBA
14	H	1231	CLA	C3A-C2A-CAA-CBA
14	H	1233	CLA	C3A-C2A-CAA-CBA
14	U	1503	CLA	C3A-C2A-CAA-CBA
14	a	1102	CLA	C3A-C2A-CAA-CBA
14	a	1111	CLA	C4-C3-C5-C6
14	a	1119	CLA	C3A-C2A-CAA-CBA
14	a	1127	CLA	C3A-C2A-CAA-CBA
14	a	1131	CLA	C4-C3-C5-C6
14	a	1133	CLA	C3A-C2A-CAA-CBA
14	a	1140	CLA	C3A-C2A-CAA-CBA
14	b	1225	CLA	C4-C3-C5-C6
14	b	1227	CLA	C3A-C2A-CAA-CBA
14	b	1231	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b	1233	CLA	C3A-C2A-CAA-CBA
14	l	1503	CLA	C3A-C2A-CAA-CBA
14	A	1125	CLA	C8-C10-C11-C12
14	a	1125	CLA	C8-C10-C11-C12
20	b	5002	LMG	C19-C20-C21-C22
14	B	1021	CLA	O1A-CGA-O2A-C1
14	H	1021	CLA	O1A-CGA-O2A-C1
14	b	1021	CLA	O1A-CGA-O2A-C1
20	B	5002	LMG	C19-C20-C21-C22
20	H	5002	LMG	C19-C20-C21-C22
18	A	4004	BCR	C19-C20-C21-C22
18	I	4018	BCR	C19-C20-C21-C22
18	M	4021	BCR	C9-C10-C11-C12
18	G	4004	BCR	C19-C20-C21-C22
18	R	4018	BCR	C19-C20-C21-C22
18	V	4021	BCR	C9-C10-C11-C12
18	a	4004	BCR	C19-C20-C21-C22
18	i	4018	BCR	C19-C20-C21-C22
18	m	4021	BCR	C9-C10-C11-C12
14	A	1118	CLA	C6-C7-C8-C10
14	B	1204	CLA	C16-C17-C18-C20
14	G	1118	CLA	C6-C7-C8-C10
14	H	1204	CLA	C16-C17-C18-C20
14	a	1118	CLA	C6-C7-C8-C10
14	b	1204	CLA	C16-C17-C18-C20
21	B	6004	LMT	C5'-C4'-O1B-C1B
21	H	6004	LMT	C5'-C4'-O1B-C1B
21	b	6004	LMT	C5'-C4'-O1B-C1B
14	A	1119	CLA	O1A-CGA-O2A-C1
14	G	1119	CLA	O1A-CGA-O2A-C1
14	a	1119	CLA	O1A-CGA-O2A-C1
19	L	5102	LHG	C33-C34-C35-C36
19	l	5102	LHG	C33-C34-C35-C36
15	B	1238	F6C	C3A-C2A-CAA-CBA
15	H	1238	F6C	C3A-C2A-CAA-CBA
15	b	1238	F6C	C3A-C2A-CAA-CBA
19	U	5102	LHG	C33-C34-C35-C36
19	A	5001	LHG	C1-C2-C3-O3
19	G	5001	LHG	C1-C2-C3-O3
19	a	5001	LHG	C1-C2-C3-O3
21	B	6003	LMT	C2B-C1B-O1B-C4'
21	H	6003	LMT	C2B-C1B-O1B-C4'

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Mol	Chain	Res	Type	Atoms
14	A	1109	CLA	C2A-CAA-CBA-CGA
14	G	1109	CLA	C2A-CAA-CBA-CGA
14	a	1109	CLA	C2A-CAA-CBA-CGA
19	A	5002	LHG	C4-C5-C6-O8
19	G	5002	LHG	C4-C5-C6-O8
19	a	5002	LHG	C4-C5-C6-O8
21	b	6003	LMT	C2B-C1B-O1B-C4'
21	b	6003	LMT	C5-C6-C7-C8
21	B	6003	LMT	C5-C6-C7-C8
21	H	6003	LMT	C5-C6-C7-C8
19	A	5001	LHG	C9-C10-C11-C12
19	G	5001	LHG	C9-C10-C11-C12
19	a	5001	LHG	C9-C10-C11-C12
14	A	1112	CLA	C4-C3-C5-C6
14	A	1133	CLA	C4-C3-C5-C6
14	G	1112	CLA	C4-C3-C5-C6
14	G	1133	CLA	C4-C3-C5-C6
14	a	1112	CLA	C4-C3-C5-C6
14	a	1133	CLA	C4-C3-C5-C6
14	B	1222	CLA	O1D-CGD-O2D-CED
14	H	1222	CLA	O1D-CGD-O2D-CED
14	b	1222	CLA	O1D-CGD-O2D-CED
18	A	4002	BCR	C23-C24-C25-C30
18	A	4005	BCR	C5-C6-C7-C8
18	B	4004	BCR	C23-C24-C25-C30
18	B	4010	BCR	C23-C24-C25-C30
18	B	4017	BCR	C23-C24-C25-C30
18	I	4018	BCR	C1-C6-C7-C8
18	K	4001	BCR	C23-C24-C25-C30
18	L	4019	BCR	C1-C6-C7-C8
18	M	4021	BCR	C23-C24-C25-C30
18	G	4002	BCR	C23-C24-C25-C30
18	G	4005	BCR	C5-C6-C7-C8
18	H	4004	BCR	C23-C24-C25-C30
18	H	4010	BCR	C23-C24-C25-C30
18	H	4017	BCR	C23-C24-C25-C30
18	R	4018	BCR	C1-C6-C7-C8
18	T	4001	BCR	C23-C24-C25-C30
18	U	4019	BCR	C1-C6-C7-C8
18	V	4021	BCR	C23-C24-C25-C30
18	a	4002	BCR	C23-C24-C25-C30
18	a	4005	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
18	a	4005	BCR	C5-C6-C7-C8
18	b	4004	BCR	C23-C24-C25-C30
18	b	4010	BCR	C23-C24-C25-C30
18	b	4017	BCR	C23-C24-C25-C30
18	i	4018	BCR	C1-C6-C7-C8
18	k	4001	BCR	C23-C24-C25-C30
18	l	4019	BCR	C1-C6-C7-C8
18	m	4021	BCR	C23-C24-C25-C30
14	A	1125	CLA	C10-C11-C12-C13
14	G	1125	CLA	C10-C11-C12-C13
14	a	1125	CLA	C10-C11-C12-C13
14	H	1206	CLA	C10-C11-C12-C13
14	A	1125	CLA	C16-C17-C18-C20
14	A	1126	CLA	C11-C12-C13-C14
14	G	1125	CLA	C16-C17-C18-C20
14	G	1126	CLA	C11-C12-C13-C14
14	a	1125	CLA	C16-C17-C18-C20
14	a	1126	CLA	C11-C12-C13-C14
14	B	1206	CLA	C10-C11-C12-C13
14	b	1206	CLA	C10-C11-C12-C13
19	A	5001	LHG	O7-C5-C6-O8
19	G	5001	LHG	O7-C5-C6-O8
19	a	5001	LHG	O7-C5-C6-O8
14	a	1012	CLA	C13-C15-C16-C17
18	H	4014	BCR	C10-C11-C12-C13
13	G	1011	CL0	C5-C6-C7-C8
13	a	1011	CL0	C5-C6-C7-C8
14	A	1012	CLA	C13-C15-C16-C17
14	G	1012	CLA	C13-C15-C16-C17
14	A	1131	CLA	C2-C3-C5-C6
14	A	1133	CLA	C2-C3-C5-C6
14	G	1131	CLA	C2-C3-C5-C6
14	G	1133	CLA	C2-C3-C5-C6
14	a	1131	CLA	C2-C3-C5-C6
14	a	1133	CLA	C2-C3-C5-C6
20	b	5002	LMG	C32-C33-C34-C35
20	B	5002	LMG	C32-C33-C34-C35
20	H	5002	LMG	C32-C33-C34-C35
13	A	1011	CL0	C5-C6-C7-C8
13	A	1011	CL0	C11-C10-C8-C9
13	A	1011	CL0	C14-C13-C15-C16
13	G	1011	CL0	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
13	G	1011	CL0	C14-C13-C15-C16
13	a	1011	CL0	C11-C10-C8-C9
13	a	1011	CL0	C14-C13-C15-C16
14	A	1103	CLA	C11-C12-C13-C14
14	A	1127	CLA	C14-C13-C15-C16
14	A	1128	CLA	C11-C10-C8-C9
14	B	1021	CLA	C14-C13-C15-C16
14	B	1223	CLA	C11-C10-C8-C9
14	G	1103	CLA	C11-C12-C13-C14
14	G	1127	CLA	C14-C13-C15-C16
14	G	1128	CLA	C11-C10-C8-C9
14	H	1021	CLA	C14-C13-C15-C16
14	H	1223	CLA	C11-C10-C8-C9
14	a	1103	CLA	C11-C12-C13-C14
14	a	1127	CLA	C14-C13-C15-C16
14	a	1128	CLA	C11-C10-C8-C9
14	b	1021	CLA	C14-C13-C15-C16
14	b	1223	CLA	C11-C10-C8-C9
14	K	1401	CLA	C2C-C3C-CAC-CBC
14	T	1401	CLA	C2C-C3C-CAC-CBC
20	I	5006	LMG	O6-C1-O1-C7
20	R	5006	LMG	O6-C1-O1-C7
20	i	5006	LMG	O6-C1-O1-C7
21	A	6003	LMT	O5'-C1'-O1'-C1
21	G	6003	LMT	O5'-C1'-O1'-C1
21	a	6003	LMT	O5'-C1'-O1'-C1
14	B	1222	CLA	C16-C17-C18-C19
14	H	1222	CLA	C16-C17-C18-C19
14	k	1401	CLA	C2C-C3C-CAC-CBC
14	A	1104	CLA	C8-C10-C11-C12
14	A	1115	CLA	C5-C6-C7-C8
14	G	1104	CLA	C8-C10-C11-C12
14	G	1115	CLA	C5-C6-C7-C8
14	a	1104	CLA	C8-C10-C11-C12
14	a	1115	CLA	C5-C6-C7-C8
14	B	1023	CLA	CBA-CGA-O2A-C1
14	H	1023	CLA	CBA-CGA-O2A-C1
14	b	1023	CLA	CBA-CGA-O2A-C1
14	L	1503	CLA	C2-C3-C5-C6
14	U	1503	CLA	C2-C3-C5-C6
14	l	1503	CLA	C2-C3-C5-C6
14	b	1222	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
21	a	6002	LMT	C5'-C4'-O1B-C1B
21	A	6002	LMT	C5'-C4'-O1B-C1B
21	G	6002	LMT	C5'-C4'-O1B-C1B
19	L	5102	LHG	C27-C28-C29-C30
19	U	5102	LHG	C27-C28-C29-C30
19	l	5102	LHG	C27-C28-C29-C30
18	B	4017	BCR	C20-C21-C22-C37
18	I	4020	BCR	C11-C10-C9-C34
18	R	4020	BCR	C11-C10-C9-C34
18	i	4020	BCR	C11-C10-C9-C34
14	A	1131	CLA	C3-C5-C6-C7
14	G	1131	CLA	C3-C5-C6-C7
14	a	1131	CLA	C3-C5-C6-C7
14	A	1103	CLA	C10-C11-C12-C13
14	G	1103	CLA	C10-C11-C12-C13
14	a	1103	CLA	C10-C11-C12-C13
19	L	5102	LHG	O6-C4-C5-C6
19	U	5102	LHG	O6-C4-C5-C6
19	l	5102	LHG	O6-C4-C5-C6
15	B	1219	F6C	C6-C7-C8-C9
15	H	1219	F6C	C6-C7-C8-C9
15	b	1219	F6C	C6-C7-C8-C9
13	A	1011	CL0	C11-C10-C8-C7
13	G	1011	CL0	C11-C10-C8-C7
13	a	1011	CL0	C11-C10-C8-C7
14	A	1125	CLA	C12-C13-C15-C16
14	A	1126	CLA	C6-C7-C8-C10
14	A	1128	CLA	C11-C10-C8-C7
14	A	1132	CLA	C12-C13-C15-C16
14	B	1021	CLA	C12-C13-C15-C16
14	B	1201	CLA	C11-C10-C8-C7
14	B	1201	CLA	C12-C13-C15-C16
14	B	1215	CLA	C11-C10-C8-C7
14	B	1226	CLA	C6-C7-C8-C10
14	G	1125	CLA	C12-C13-C15-C16
14	G	1126	CLA	C6-C7-C8-C10
14	G	1128	CLA	C11-C10-C8-C7
14	G	1132	CLA	C12-C13-C15-C16
14	H	1021	CLA	C12-C13-C15-C16
14	H	1201	CLA	C11-C10-C8-C7
14	H	1201	CLA	C12-C13-C15-C16
14	H	1215	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	H	1226	CLA	C6-C7-C8-C10
14	a	1125	CLA	C12-C13-C15-C16
14	a	1126	CLA	C6-C7-C8-C10
14	a	1128	CLA	C11-C10-C8-C7
14	a	1132	CLA	C12-C13-C15-C16
14	b	1021	CLA	C12-C13-C15-C16
14	b	1201	CLA	C11-C10-C8-C7
14	b	1201	CLA	C12-C13-C15-C16
14	b	1215	CLA	C11-C10-C8-C7
14	b	1226	CLA	C6-C7-C8-C10
21	B	6001	LMT	C6-C7-C8-C9
21	H	6001	LMT	C6-C7-C8-C9
21	b	6001	LMT	C6-C7-C8-C9
16	B	2002	PQN	C18-C20-C21-C22
16	H	2002	PQN	C18-C20-C21-C22
16	b	2002	PQN	C18-C20-C21-C22
18	B	4005	BCR	C11-C12-C13-C14
18	B	4010	BCR	C17-C18-C19-C20
18	K	4001	BCR	C17-C18-C19-C20
18	H	4005	BCR	C11-C12-C13-C14
18	H	4010	BCR	C17-C18-C19-C20
18	T	4001	BCR	C17-C18-C19-C20
18	b	4010	BCR	C17-C18-C19-C20
18	k	4001	BCR	C17-C18-C19-C20
14	H	1225	CLA	C13-C15-C16-C17
14	B	1201	CLA	C2A-CAA-CBA-CGA
14	H	1201	CLA	C2A-CAA-CBA-CGA
14	b	1201	CLA	C2A-CAA-CBA-CGA
14	A	1130	CLA	C6-C7-C8-C10
14	G	1130	CLA	C6-C7-C8-C10
14	a	1130	CLA	C6-C7-C8-C10
14	B	1228	CLA	C4-C3-C5-C6
14	H	1228	CLA	C4-C3-C5-C6
14	b	1228	CLA	C4-C3-C5-C6
14	H	1225	CLA	O1A-CGA-O2A-C1
15	B	1207	F6C	C2B-C3B-CAB-CBB
15	B	1238	F6C	C2B-C3B-CAB-CBB
15	H	1207	F6C	C2B-C3B-CAB-CBB
15	H	1238	F6C	C2B-C3B-CAB-CBB
15	b	1207	F6C	C2B-C3B-CAB-CBB
15	b	1238	F6C	C2B-C3B-CAB-CBB
21	B	6002	LMT	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
21	H	6002	LMT	C9-C10-C11-C12
21	b	6002	LMT	C9-C10-C11-C12
14	A	1103	CLA	CBD-CGD-O2D-CED
14	G	1103	CLA	CBD-CGD-O2D-CED
14	B	1023	CLA	C10-C11-C12-C13
14	B	1225	CLA	C13-C15-C16-C17
14	G	1136	CLA	C5-C6-C7-C8
14	H	1023	CLA	C10-C11-C12-C13
14	b	1023	CLA	C10-C11-C12-C13
14	b	1225	CLA	C13-C15-C16-C17
20	I	5006	LMG	C4-C5-C6-O5
20	R	5006	LMG	C4-C5-C6-O5
20	i	5006	LMG	C4-C5-C6-O5
14	B	1225	CLA	O1A-CGA-O2A-C1
14	b	1225	CLA	O1A-CGA-O2A-C1
18	I	4018	BCR	C14-C15-C16-C17
18	R	4018	BCR	C14-C15-C16-C17
18	i	4018	BCR	C14-C15-C16-C17
14	A	1136	CLA	C5-C6-C7-C8
13	A	1011	CL0	C8-C10-C11-C12
13	G	1011	CL0	C8-C10-C11-C12
14	a	1136	CLA	C5-C6-C7-C8
20	A	5003	LMG	C7-C8-C9-O8
20	G	5003	LMG	C7-C8-C9-O8
20	a	5003	LMG	C7-C8-C9-O8
14	a	1103	CLA	CBD-CGD-O2D-CED
13	a	1011	CL0	C8-C10-C11-C12
15	B	1207	F6C	C4B-C3B-CAB-CBB
15	B	1219	F6C	C4B-C3B-CAB-CBB
15	H	1207	F6C	C4B-C3B-CAB-CBB
15	H	1219	F6C	C4B-C3B-CAB-CBB
15	b	1207	F6C	C4B-C3B-CAB-CBB
15	b	1219	F6C	C4B-C3B-CAB-CBB
14	A	1125	CLA	C16-C17-C18-C19
14	B	1228	CLA	C6-C7-C8-C9
14	G	1125	CLA	C16-C17-C18-C19
14	H	1228	CLA	C6-C7-C8-C9
14	a	1125	CLA	C16-C17-C18-C19
14	b	1228	CLA	C6-C7-C8-C9
15	B	1207	F6C	C16-C17-C18-C20
15	H	1207	F6C	C16-C17-C18-C20
15	b	1207	F6C	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	A	1119	CLA	C4-C3-C5-C6
14	G	1119	CLA	C4-C3-C5-C6
14	a	1119	CLA	C4-C3-C5-C6
14	A	1102	CLA	C2A-CAA-CBA-CGA
14	G	1102	CLA	C2A-CAA-CBA-CGA
14	a	1102	CLA	C2A-CAA-CBA-CGA
14	B	1236	CLA	C2-C3-C5-C6
14	H	1205	CLA	C2-C3-C5-C6
14	H	1236	CLA	C2-C3-C5-C6
14	b	1236	CLA	C2-C3-C5-C6
21	U	6002	LMT	C9-C10-C11-C12
14	B	1239	CLA	C8-C10-C11-C12
21	L	6002	LMT	C9-C10-C11-C12
21	l	6002	LMT	C9-C10-C11-C12
20	A	5003	LMG	O7-C8-C9-O8
20	G	5003	LMG	O7-C8-C9-O8
20	a	5003	LMG	O7-C8-C9-O8
14	G	1133	CLA	C8-C10-C11-C12
14	H	1239	CLA	C8-C10-C11-C12
14	a	1133	CLA	C8-C10-C11-C12
14	B	1226	CLA	C11-C12-C13-C14
14	H	1226	CLA	C11-C12-C13-C14
14	b	1226	CLA	C11-C12-C13-C14
14	L	1501	CLA	C16-C17-C18-C19
14	U	1501	CLA	C16-C17-C18-C19
14	l	1501	CLA	C16-C17-C18-C19
21	B	6004	LMT	C3'-C4'-O1B-C1B
21	H	6004	LMT	C3'-C4'-O1B-C1B
21	b	6004	LMT	C3'-C4'-O1B-C1B
14	A	1133	CLA	C8-C10-C11-C12
14	B	1205	CLA	C5-C6-C7-C8
14	B	1210	CLA	C15-C16-C17-C18
14	B	1229	CLA	C5-C6-C7-C8
14	H	1205	CLA	C5-C6-C7-C8
14	H	1210	CLA	C15-C16-C17-C18
14	H	1229	CLA	C5-C6-C7-C8
14	b	1205	CLA	C5-C6-C7-C8
14	b	1210	CLA	C15-C16-C17-C18
14	b	1229	CLA	C5-C6-C7-C8
14	b	1239	CLA	C8-C10-C11-C12
19	A	5001	LHG	C7-C8-C9-C10
19	G	5001	LHG	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
19	a	5001	LHG	C7-C8-C9-C10
21	m	6000	LMT	C4'-C5'-C6'-O6'
14	A	1013	CLA	C5-C6-C7-C8
14	B	1202	CLA	C13-C15-C16-C17
14	G	1013	CLA	C5-C6-C7-C8
14	H	1202	CLA	C13-C15-C16-C17
14	a	1013	CLA	C5-C6-C7-C8
14	b	1202	CLA	C13-C15-C16-C17
18	B	4004	BCR	C9-C10-C11-C12
18	B	4006	BCR	C13-C14-C15-C16
18	H	4004	BCR	C9-C10-C11-C12
18	H	4006	BCR	C13-C14-C15-C16
18	a	4001	BCR	C19-C20-C21-C22
18	b	4006	BCR	C13-C14-C15-C16
14	B	1203	CLA	C10-C11-C12-C13
14	H	1203	CLA	C10-C11-C12-C13
14	b	1203	CLA	C10-C11-C12-C13
14	A	1123	CLA	C4-C3-C5-C6
14	B	1221	CLA	C4-C3-C5-C6
14	G	1123	CLA	C4-C3-C5-C6
14	H	1221	CLA	C4-C3-C5-C6
14	a	1123	CLA	C4-C3-C5-C6
14	b	1221	CLA	C4-C3-C5-C6
14	B	1205	CLA	C2-C3-C5-C6
14	b	1205	CLA	C2-C3-C5-C6
21	M	6000	LMT	C4'-C5'-C6'-O6'
14	B	1220	CLA	C10-C11-C12-C13
14	H	1220	CLA	C10-C11-C12-C13
14	b	1220	CLA	C10-C11-C12-C13
15	B	1237	F6C	C15-C16-C17-C18
15	H	1237	F6C	C15-C16-C17-C18
15	b	1237	F6C	C15-C16-C17-C18
21	V	6000	LMT	C4'-C5'-C6'-O6'
15	B	1219	F6C	C6-C7-C8-C10
15	H	1219	F6C	C6-C7-C8-C10
15	b	1219	F6C	C6-C7-C8-C10
15	B	1238	F6C	C13-C15-C16-C17
15	H	1238	F6C	C13-C15-C16-C17
15	b	1238	F6C	C13-C15-C16-C17
14	B	1239	CLA	C15-C16-C17-C18
14	H	1239	CLA	C15-C16-C17-C18
14	b	1239	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	B	1228	CLA	CBA-CGA-O2A-C1
14	H	1228	CLA	CBA-CGA-O2A-C1
14	b	1228	CLA	CBA-CGA-O2A-C1
19	A	5002	LHG	C9-C10-C11-C12
19	G	5002	LHG	C9-C10-C11-C12
19	a	5002	LHG	C9-C10-C11-C12
18	B	4010	BCR	C36-C18-C19-C20
18	H	4010	BCR	C36-C18-C19-C20
18	b	4010	BCR	C36-C18-C19-C20
14	A	1101	CLA	C4B-C3B-CAB-CBB
14	A	1103	CLA	C1A-C2A-CAA-CBA
14	A	1113	CLA	C4B-C3B-CAB-CBB
14	A	1114	CLA	C4B-C3B-CAB-CBB
14	A	1139	CLA	C4B-C3B-CAB-CBB
14	A	1140	CLA	C4B-C3B-CAB-CBB
14	B	1206	CLA	C1A-C2A-CAA-CBA
14	B	1226	CLA	C1A-C2A-CAA-CBA
14	B	1234	CLA	C4B-C3B-CAB-CBB
14	B	1239	CLA	C1A-C2A-CAA-CBA
14	G	1101	CLA	C4B-C3B-CAB-CBB
14	G	1103	CLA	C1A-C2A-CAA-CBA
14	G	1113	CLA	C4B-C3B-CAB-CBB
14	G	1114	CLA	C4B-C3B-CAB-CBB
14	G	1139	CLA	C4B-C3B-CAB-CBB
14	G	1140	CLA	C4B-C3B-CAB-CBB
14	H	1206	CLA	C1A-C2A-CAA-CBA
14	H	1226	CLA	C1A-C2A-CAA-CBA
14	H	1234	CLA	C4B-C3B-CAB-CBB
14	H	1239	CLA	C1A-C2A-CAA-CBA
14	a	1101	CLA	C4B-C3B-CAB-CBB
14	a	1103	CLA	C1A-C2A-CAA-CBA
14	a	1113	CLA	C4B-C3B-CAB-CBB
14	a	1114	CLA	C4B-C3B-CAB-CBB
14	a	1139	CLA	C4B-C3B-CAB-CBB
14	a	1140	CLA	C4B-C3B-CAB-CBB
14	b	1206	CLA	C1A-C2A-CAA-CBA
14	b	1226	CLA	C1A-C2A-CAA-CBA
14	b	1234	CLA	C4B-C3B-CAB-CBB
14	b	1239	CLA	C1A-C2A-CAA-CBA
14	G	1102	CLA	CBA-CGA-O2A-C1
14	B	1205	CLA	C4-C3-C5-C6
14	B	1210	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	H	1205	CLA	C4-C3-C5-C6
14	H	1210	CLA	C4-C3-C5-C6
14	b	1205	CLA	C4-C3-C5-C6
14	b	1210	CLA	C4-C3-C5-C6
14	A	1119	CLA	C2-C3-C5-C6
18	b	4005	BCR	C11-C12-C13-C14
18	A	4001	BCR	C19-C20-C21-C22
18	G	4001	BCR	C19-C20-C21-C22
14	B	1206	CLA	C16-C17-C18-C19
14	H	1206	CLA	C16-C17-C18-C19
14	b	1206	CLA	C16-C17-C18-C19
14	A	1013	CLA	O1A-CGA-O2A-C1
14	G	1013	CLA	O1A-CGA-O2A-C1
14	a	1013	CLA	O1A-CGA-O2A-C1
14	A	1113	CLA	O1D-CGD-O2D-CED
14	G	1113	CLA	O1D-CGD-O2D-CED
14	A	1104	CLA	C12-C13-C15-C16
14	A	1115	CLA	C11-C12-C13-C15
14	A	1127	CLA	C11-C10-C8-C7
14	B	1204	CLA	C12-C13-C15-C16
14	B	1205	CLA	C11-C12-C13-C15
14	B	1220	CLA	C11-C10-C8-C7
14	B	1221	CLA	C12-C13-C15-C16
14	B	1240	CLA	C11-C10-C8-C7
14	G	1104	CLA	C12-C13-C15-C16
14	G	1115	CLA	C11-C12-C13-C15
14	G	1127	CLA	C11-C10-C8-C7
14	H	1204	CLA	C12-C13-C15-C16
14	H	1205	CLA	C11-C12-C13-C15
14	H	1220	CLA	C11-C10-C8-C7
14	H	1221	CLA	C12-C13-C15-C16
14	H	1240	CLA	C11-C10-C8-C7
14	a	1104	CLA	C12-C13-C15-C16
14	a	1115	CLA	C11-C12-C13-C15
14	a	1127	CLA	C11-C10-C8-C7
14	b	1204	CLA	C12-C13-C15-C16
14	b	1205	CLA	C11-C12-C13-C15
14	b	1220	CLA	C11-C10-C8-C7
14	b	1221	CLA	C12-C13-C15-C16
14	b	1240	CLA	C11-C10-C8-C7
19	G	5001	LHG	C24-C25-C26-C27
14	A	1133	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	G	1133	CLA	C11-C12-C13-C14
14	a	1133	CLA	C11-C12-C13-C14
19	A	5001	LHG	C24-C25-C26-C27
19	a	5001	LHG	C24-C25-C26-C27
14	a	1113	CLA	O1D-CGD-O2D-CED
14	B	1023	CLA	O1A-CGA-O2A-C1
14	H	1023	CLA	O1A-CGA-O2A-C1
14	A	1102	CLA	CBA-CGA-O2A-C1
14	a	1102	CLA	CBA-CGA-O2A-C1
14	A	1102	CLA	O1A-CGA-O2A-C1
14	G	1102	CLA	O1A-CGA-O2A-C1
14	a	1102	CLA	O1A-CGA-O2A-C1
14	b	1023	CLA	O1A-CGA-O2A-C1
14	B	1203	CLA	C3A-C2A-CAA-CBA
14	H	1203	CLA	C3A-C2A-CAA-CBA
14	b	1203	CLA	C3A-C2A-CAA-CBA
14	B	1214	CLA	C11-C12-C13-C14
14	H	1214	CLA	C11-C12-C13-C14
14	b	1214	CLA	C11-C12-C13-C14
14	G	1119	CLA	C2-C3-C5-C6
14	a	1119	CLA	C2-C3-C5-C6
19	L	5102	LHG	O6-C4-C5-O7
19	U	5102	LHG	O6-C4-C5-O7
19	l	5102	LHG	O6-C4-C5-O7
14	A	1127	CLA	C11-C10-C8-C9
14	A	1132	CLA	C14-C13-C15-C16
14	A	1136	CLA	C6-C7-C8-C9
14	B	1215	CLA	C11-C10-C8-C9
14	B	1226	CLA	C6-C7-C8-C9
14	G	1127	CLA	C11-C10-C8-C9
14	G	1132	CLA	C14-C13-C15-C16
14	G	1136	CLA	C6-C7-C8-C9
14	H	1215	CLA	C11-C10-C8-C9
14	H	1226	CLA	C6-C7-C8-C9
14	a	1127	CLA	C11-C10-C8-C9
14	a	1132	CLA	C14-C13-C15-C16
14	a	1136	CLA	C6-C7-C8-C9
14	b	1215	CLA	C11-C10-C8-C9
14	b	1226	CLA	C6-C7-C8-C9
18	b	4004	BCR	C9-C10-C11-C12
14	L	1501	CLA	C13-C15-C16-C17
14	U	1501	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	l	1501	CLA	C13-C15-C16-C17
20	I	5006	LMG	C30-C31-C32-C33
15	B	1207	F6C	C1B-C2B-CMB-OMB
15	B	1230	F6C	C1B-C2B-CMB-OMB
15	H	1207	F6C	C1B-C2B-CMB-OMB
15	H	1230	F6C	C1B-C2B-CMB-OMB
15	b	1207	F6C	C1B-C2B-CMB-OMB
15	b	1230	F6C	C1B-C2B-CMB-OMB
20	R	5006	LMG	C30-C31-C32-C33
20	i	5006	LMG	C30-C31-C32-C33
14	A	1103	CLA	O1D-CGD-O2D-CED
14	G	1103	CLA	O1D-CGD-O2D-CED
14	a	1103	CLA	O1D-CGD-O2D-CED
14	B	1231	CLA	C16-C17-C18-C19
14	H	1231	CLA	C16-C17-C18-C19
14	b	1231	CLA	C16-C17-C18-C19
14	A	1136	CLA	C8-C10-C11-C12
14	G	1136	CLA	C8-C10-C11-C12
14	a	1136	CLA	C8-C10-C11-C12
14	A	1111	CLA	CAD-CBD-CGD-O2D
14	A	1129	CLA	CAD-CBD-CGD-O2D
14	A	1141	CLA	CAD-CBD-CGD-O2D
14	B	1022	CLA	CAD-CBD-CGD-O2D
14	B	1223	CLA	CAD-CBD-CGD-O2D
14	G	1111	CLA	CAD-CBD-CGD-O2D
14	G	1129	CLA	CAD-CBD-CGD-O2D
14	G	1141	CLA	CAD-CBD-CGD-O2D
14	H	1022	CLA	CAD-CBD-CGD-O2D
14	H	1223	CLA	CAD-CBD-CGD-O2D
14	a	1111	CLA	CAD-CBD-CGD-O2D
14	a	1129	CLA	CAD-CBD-CGD-O2D
14	a	1141	CLA	CAD-CBD-CGD-O2D
14	b	1022	CLA	CAD-CBD-CGD-O2D
14	b	1223	CLA	CAD-CBD-CGD-O2D
15	B	1219	F6C	CAD-CBD-CGD-O2D
15	H	1219	F6C	CAD-CBD-CGD-O2D
15	b	1219	F6C	CAD-CBD-CGD-O2D
14	A	1132	CLA	C5-C6-C7-C8
14	B	1216	CLA	C10-C11-C12-C13
14	G	1132	CLA	C5-C6-C7-C8
14	H	1216	CLA	C10-C11-C12-C13
14	a	1132	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b	1216	CLA	C10-C11-C12-C13
14	B	1210	CLA	C5-C6-C7-C8
14	B	1231	CLA	C16-C17-C18-C20
14	H	1231	CLA	C16-C17-C18-C20
14	b	1231	CLA	C16-C17-C18-C20
14	H	1210	CLA	C5-C6-C7-C8
14	A	1125	CLA	O1A-CGA-O2A-C1
14	G	1125	CLA	O1A-CGA-O2A-C1
14	a	1125	CLA	O1A-CGA-O2A-C1
14	A	1111	CLA	CAD-CBD-CGD-O1D
14	A	1129	CLA	CAD-CBD-CGD-O1D
14	A	1141	CLA	CAD-CBD-CGD-O1D
14	B	1022	CLA	CAD-CBD-CGD-O1D
14	B	1223	CLA	CAD-CBD-CGD-O1D
14	G	1111	CLA	CAD-CBD-CGD-O1D
14	G	1129	CLA	CAD-CBD-CGD-O1D
14	G	1141	CLA	CAD-CBD-CGD-O1D
14	H	1022	CLA	CAD-CBD-CGD-O1D
14	H	1223	CLA	CAD-CBD-CGD-O1D
14	a	1111	CLA	CAD-CBD-CGD-O1D
14	a	1129	CLA	CAD-CBD-CGD-O1D
14	a	1141	CLA	CAD-CBD-CGD-O1D
14	b	1022	CLA	CAD-CBD-CGD-O1D
14	b	1223	CLA	CAD-CBD-CGD-O1D
15	B	1219	F6C	CAD-CBD-CGD-O1D
15	H	1219	F6C	CAD-CBD-CGD-O1D
15	b	1219	F6C	CAD-CBD-CGD-O1D
18	A	4002	BCR	C19-C20-C21-C22
18	B	4014	BCR	C15-C16-C17-C18
18	I	4020	BCR	C9-C10-C11-C12
18	G	4002	BCR	C19-C20-C21-C22
18	H	4014	BCR	C15-C16-C17-C18
18	H	4017	BCR	C20-C21-C22-C37
18	R	4020	BCR	C9-C10-C11-C12
18	a	4002	BCR	C19-C20-C21-C22
18	b	4014	BCR	C15-C16-C17-C18
18	b	4017	BCR	C20-C21-C22-C37
18	i	4020	BCR	C9-C10-C11-C12
19	L	5102	LHG	C3-O3-P-O5
19	L	5102	LHG	C4-O6-P-O5
19	U	5102	LHG	C3-O3-P-O5
19	U	5102	LHG	C4-O6-P-O5

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Mol	Chain	Res	Type	Atoms
19	l	5102	LHG	C3-O3-P-O5
19	l	5102	LHG	C4-O6-P-O5
14	B	1214	CLA	C3-C5-C6-C7
14	H	1214	CLA	C3-C5-C6-C7
14	A	1104	CLA	C4-C3-C5-C6
14	G	1104	CLA	C4-C3-C5-C6
14	a	1104	CLA	C4-C3-C5-C6
14	A	1113	CLA	C2B-C3B-CAB-CBB
14	A	1132	CLA	C2B-C3B-CAB-CBB
14	A	1140	CLA	C2B-C3B-CAB-CBB
14	B	1204	CLA	C2B-C3B-CAB-CBB
14	G	1113	CLA	C2B-C3B-CAB-CBB
14	G	1132	CLA	C2B-C3B-CAB-CBB
14	G	1140	CLA	C2B-C3B-CAB-CBB
14	H	1204	CLA	C2B-C3B-CAB-CBB
14	a	1113	CLA	C2B-C3B-CAB-CBB
14	a	1132	CLA	C2B-C3B-CAB-CBB
14	a	1140	CLA	C2B-C3B-CAB-CBB
14	b	1204	CLA	C2B-C3B-CAB-CBB
14	b	1214	CLA	C3-C5-C6-C7
16	a	2001	PQN	C13-C15-C16-C17
14	b	1210	CLA	C5-C6-C7-C8
14	B	1228	CLA	O1A-CGA-O2A-C1
14	H	1228	CLA	O1A-CGA-O2A-C1
14	b	1228	CLA	O1A-CGA-O2A-C1
14	A	1118	CLA	CBD-CGD-O2D-CED
14	G	1118	CLA	CBD-CGD-O2D-CED
21	B	6001	LMT	C5-C6-C7-C8
21	b	6001	LMT	C5-C6-C7-C8
21	H	6001	LMT	C5-C6-C7-C8
16	A	2001	PQN	C13-C15-C16-C17
16	G	2001	PQN	C13-C15-C16-C17
18	B	4006	BCR	C18-C19-C20-C21
18	I	4020	BCR	C18-C19-C20-C21
18	M	4021	BCR	C18-C19-C20-C21
18	H	4006	BCR	C18-C19-C20-C21
18	R	4020	BCR	C18-C19-C20-C21
18	V	4021	BCR	C18-C19-C20-C21
18	b	4006	BCR	C18-C19-C20-C21
18	i	4020	BCR	C18-C19-C20-C21
18	m	4021	BCR	C18-C19-C20-C21
14	B	1228	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	H	1228	CLA	C2-C3-C5-C6
14	b	1228	CLA	C2-C3-C5-C6
14	a	1118	CLA	CBD-CGD-O2D-CED
14	A	1127	CLA	O1A-CGA-O2A-C1
14	G	1127	CLA	O1A-CGA-O2A-C1
14	a	1127	CLA	O1A-CGA-O2A-C1
14	A	1122	CLA	C3-C5-C6-C7
14	B	1222	CLA	C8-C10-C11-C12
14	b	1222	CLA	C8-C10-C11-C12
14	A	1127	CLA	CAA-CBA-CGA-O2A
14	G	1127	CLA	CAA-CBA-CGA-O2A
14	a	1127	CLA	CAA-CBA-CGA-O2A
14	A	1125	CLA	C11-C10-C8-C9
14	B	1204	CLA	C14-C13-C15-C16
14	B	1206	CLA	C11-C10-C8-C9
14	B	1206	CLA	C11-C12-C13-C14
14	B	1221	CLA	C11-C12-C13-C14
14	G	1125	CLA	C11-C10-C8-C9
14	H	1204	CLA	C14-C13-C15-C16
14	H	1206	CLA	C11-C10-C8-C9
14	H	1206	CLA	C11-C12-C13-C14
14	H	1221	CLA	C11-C12-C13-C14
14	a	1125	CLA	C11-C10-C8-C9
14	b	1204	CLA	C14-C13-C15-C16
14	b	1206	CLA	C11-C10-C8-C9
14	b	1206	CLA	C11-C12-C13-C14
14	b	1221	CLA	C11-C12-C13-C14
14	B	1206	CLA	C11-C10-C8-C7
14	L	1502	CLA	C6-C7-C8-C10
14	H	1206	CLA	C11-C10-C8-C7
14	U	1502	CLA	C6-C7-C8-C10
14	b	1206	CLA	C11-C10-C8-C7
14	l	1502	CLA	C6-C7-C8-C10
14	H	1222	CLA	C8-C10-C11-C12
14	G	1118	CLA	O1D-CGD-O2D-CED
14	G	1122	CLA	C3-C5-C6-C7
14	a	1122	CLA	C3-C5-C6-C7
21	A	6003	LMT	C2'-C1'-O1'-C1
21	G	6003	LMT	C2'-C1'-O1'-C1
21	a	6003	LMT	C2'-C1'-O1'-C1
14	A	1118	CLA	O1D-CGD-O2D-CED
14	a	1118	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
15	B	1237	F6C	C2-C3-C5-C6
15	H	1237	F6C	C2-C3-C5-C6
15	b	1237	F6C	C2-C3-C5-C6
14	A	1125	CLA	CBA-CGA-O2A-C1
14	a	1125	CLA	CBA-CGA-O2A-C1
14	B	1214	CLA	C11-C12-C13-C15
14	H	1214	CLA	C11-C12-C13-C15
14	b	1214	CLA	C11-C12-C13-C15
14	A	1116	CLA	CAA-CBA-CGA-O2A
14	G	1116	CLA	CAA-CBA-CGA-O2A
14	a	1116	CLA	CAA-CBA-CGA-O2A
14	G	1125	CLA	CBA-CGA-O2A-C1
14	B	1022	CLA	C6-C7-C8-C9
14	H	1022	CLA	C6-C7-C8-C9
14	b	1022	CLA	C6-C7-C8-C9
14	B	1021	CLA	CAA-CBA-CGA-O2A
14	H	1021	CLA	CAA-CBA-CGA-O2A
14	b	1021	CLA	CAA-CBA-CGA-O2A
14	A	1122	CLA	C2-C1-O2A-CGA
14	A	1137	CLA	C2-C1-O2A-CGA
14	G	1122	CLA	C2-C1-O2A-CGA
14	G	1137	CLA	C2-C1-O2A-CGA
14	a	1122	CLA	C2-C1-O2A-CGA
14	a	1137	CLA	C2-C1-O2A-CGA
14	A	1136	CLA	CAA-CBA-CGA-O2A
14	G	1136	CLA	CAA-CBA-CGA-O2A
14	a	1136	CLA	CAA-CBA-CGA-O2A
18	a	4003	BCR	C36-C18-C19-C20
19	L	5102	LHG	C15-C16-C17-C18
19	U	5102	LHG	C15-C16-C17-C18
19	l	5102	LHG	C15-C16-C17-C18
15	B	1237	F6C	C3A-C2A-CAA-CBA
15	H	1237	F6C	C3A-C2A-CAA-CBA
15	b	1237	F6C	C3A-C2A-CAA-CBA
14	A	1127	CLA	CBA-CGA-O2A-C1
14	G	1127	CLA	CBA-CGA-O2A-C1
14	a	1127	CLA	CBA-CGA-O2A-C1
18	L	4022	BCR	C19-C20-C21-C22
18	U	4022	BCR	C19-C20-C21-C22
18	i	4018	BCR	C9-C10-C11-C12
18	l	4022	BCR	C19-C20-C21-C22
14	A	1103	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	G	1103	CLA	C16-C17-C18-C20
14	a	1103	CLA	C16-C17-C18-C20
15	B	1230	F6C	C2B-C3B-CAB-CBB
15	H	1230	F6C	C2B-C3B-CAB-CBB
15	b	1230	F6C	C2B-C3B-CAB-CBB
21	A	6001	LMT	C2-C1-O1'-C1'
21	G	6001	LMT	C2-C1-O1'-C1'
21	a	6001	LMT	C2-C1-O1'-C1'
14	A	1104	CLA	C16-C17-C18-C20
14	G	1104	CLA	C16-C17-C18-C20
14	a	1104	CLA	C16-C17-C18-C20
13	A	1011	CL0	C11-C12-C13-C14
13	G	1011	CL0	C11-C12-C13-C14
13	a	1011	CL0	C11-C12-C13-C14
14	A	1115	CLA	C11-C12-C13-C14
14	A	1125	CLA	C14-C13-C15-C16
14	B	1206	CLA	C14-C13-C15-C16
14	B	1223	CLA	C6-C7-C8-C9
14	G	1115	CLA	C11-C12-C13-C14
14	G	1125	CLA	C14-C13-C15-C16
14	H	1206	CLA	C14-C13-C15-C16
14	H	1223	CLA	C6-C7-C8-C9
14	a	1115	CLA	C11-C12-C13-C14
14	a	1125	CLA	C14-C13-C15-C16
14	b	1206	CLA	C14-C13-C15-C16
14	b	1223	CLA	C6-C7-C8-C9
15	H	1238	F6C	C14-C13-C15-C16
15	b	1238	F6C	C14-C13-C15-C16
14	L	1503	CLA	C5-C6-C7-C8
14	U	1503	CLA	C5-C6-C7-C8
14	A	1129	CLA	C4B-C3B-CAB-CBB
14	A	1136	CLA	C4B-C3B-CAB-CBB
14	G	1129	CLA	C4B-C3B-CAB-CBB
14	G	1136	CLA	C4B-C3B-CAB-CBB
14	a	1129	CLA	C4B-C3B-CAB-CBB
14	a	1136	CLA	C4B-C3B-CAB-CBB
14	l	1503	CLA	C5-C6-C7-C8
14	B	1239	CLA	C5-C6-C7-C8
14	H	1239	CLA	C5-C6-C7-C8
14	b	1239	CLA	C5-C6-C7-C8
15	B	1219	F6C	C2A-CAA-CBA-CGA
15	H	1219	F6C	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
15	b	1219	F6C	C2A-CAA-CBA-CGA
14	B	1203	CLA	C16-C17-C18-C19
14	H	1203	CLA	C16-C17-C18-C19
14	b	1203	CLA	C16-C17-C18-C19
14	L	1503	CLA	C13-C15-C16-C17
14	U	1503	CLA	C13-C15-C16-C17
14	B	1204	CLA	O1A-CGA-O2A-C1
14	b	1204	CLA	O1A-CGA-O2A-C1
21	B	6004	LMT	C2-C3-C4-C5
21	H	6004	LMT	C2-C3-C4-C5
21	b	6004	LMT	C2-C3-C4-C5
14	A	1104	CLA	C2-C3-C5-C6
14	G	1104	CLA	C2-C3-C5-C6
14	a	1104	CLA	C2-C3-C5-C6
14	l	1503	CLA	C13-C15-C16-C17
14	H	1204	CLA	O1A-CGA-O2A-C1
15	B	1230	F6C	C4B-C3B-CAB-CBB
15	H	1230	F6C	C4B-C3B-CAB-CBB
15	b	1230	F6C	C4B-C3B-CAB-CBB
14	H	1206	CLA	C16-C17-C18-C20
21	A	6001	LMT	O5B-C5B-C6B-O6B
21	G	6001	LMT	O5B-C5B-C6B-O6B
14	A	1103	CLA	C12-C13-C15-C16
14	A	1117	CLA	C12-C13-C15-C16
14	B	1206	CLA	C12-C13-C15-C16
14	B	1223	CLA	C6-C7-C8-C10
14	G	1103	CLA	C12-C13-C15-C16
14	G	1117	CLA	C12-C13-C15-C16
14	H	1206	CLA	C12-C13-C15-C16
14	H	1223	CLA	C6-C7-C8-C10
14	a	1103	CLA	C12-C13-C15-C16
14	a	1117	CLA	C12-C13-C15-C16
14	b	1206	CLA	C12-C13-C15-C16
14	b	1223	CLA	C6-C7-C8-C10
14	b	1216	CLA	C13-C15-C16-C17
13	A	1011	CL0	O1A-CGA-O2A-C1
13	G	1011	CL0	O1A-CGA-O2A-C1
13	a	1011	CL0	O1A-CGA-O2A-C1
21	a	6001	LMT	O5B-C5B-C6B-O6B
18	V	4021	BCR	C14-C15-C16-C17
14	B	1216	CLA	C13-C15-C16-C17
14	H	1216	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
15	B	1207	F6C	CBA-CGA-O2A-C1
15	H	1207	F6C	CBA-CGA-O2A-C1
15	b	1207	F6C	CBA-CGA-O2A-C1
14	B	1022	CLA	C6-C7-C8-C10
14	B	1206	CLA	C16-C17-C18-C20
14	H	1022	CLA	C6-C7-C8-C10
14	b	1022	CLA	C6-C7-C8-C10
14	b	1206	CLA	C16-C17-C18-C20
14	A	1126	CLA	C3A-C2A-CAA-CBA
14	B	1206	CLA	C3A-C2A-CAA-CBA
14	B	1218	CLA	C3A-C2A-CAA-CBA
14	B	1222	CLA	C3A-C2A-CAA-CBA
14	G	1126	CLA	C3A-C2A-CAA-CBA
14	H	1206	CLA	C3A-C2A-CAA-CBA
14	H	1218	CLA	C3A-C2A-CAA-CBA
14	H	1222	CLA	C3A-C2A-CAA-CBA
14	a	1117	CLA	C4-C3-C5-C6
14	a	1126	CLA	C3A-C2A-CAA-CBA
14	b	1206	CLA	C3A-C2A-CAA-CBA
14	b	1218	CLA	C3A-C2A-CAA-CBA
14	b	1222	CLA	C3A-C2A-CAA-CBA
14	A	1123	CLA	C2-C3-C5-C6
14	G	1123	CLA	C2-C3-C5-C6
14	a	1123	CLA	C2-C3-C5-C6
14	A	1103	CLA	C13-C15-C16-C17
14	G	1103	CLA	C13-C15-C16-C17
18	A	4004	BCR	C16-C17-C18-C36
18	A	4006	BCR	C16-C17-C18-C36
18	B	4006	BCR	C11-C10-C9-C34
18	B	4010	BCR	C16-C17-C18-C36
18	G	4004	BCR	C16-C17-C18-C36
18	G	4006	BCR	C16-C17-C18-C36
18	H	4006	BCR	C11-C10-C9-C34
18	H	4010	BCR	C16-C17-C18-C36
18	a	4004	BCR	C16-C17-C18-C36
18	a	4006	BCR	C16-C17-C18-C36
18	b	4006	BCR	C11-C10-C9-C34
18	b	4010	BCR	C16-C17-C18-C36
14	a	1103	CLA	C13-C15-C16-C17
14	A	1109	CLA	C2-C1-O2A-CGA
14	A	1111	CLA	C2-C1-O2A-CGA
14	G	1109	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	G	1111	CLA	C2-C1-O2A-CGA
14	a	1109	CLA	C2-C1-O2A-CGA
14	a	1111	CLA	C2-C1-O2A-CGA
15	B	1237	F6C	C2-C1-O2A-CGA
15	H	1237	F6C	C2-C1-O2A-CGA
15	b	1237	F6C	C2-C1-O2A-CGA
18	I	4018	BCR	C9-C10-C11-C12
18	R	4018	BCR	C9-C10-C11-C12
18	A	4003	BCR	C36-C18-C19-C20
18	G	4003	BCR	C36-C18-C19-C20
14	B	1204	CLA	CBA-CGA-O2A-C1
14	H	1204	CLA	CBA-CGA-O2A-C1
14	b	1204	CLA	CBA-CGA-O2A-C1
14	A	1117	CLA	C4-C3-C5-C6
14	A	1127	CLA	C4-C3-C5-C6
14	G	1117	CLA	C4-C3-C5-C6
14	G	1127	CLA	C4-C3-C5-C6
14	a	1127	CLA	C4-C3-C5-C6
14	B	1210	CLA	C2-C3-C5-C6
14	H	1210	CLA	C2-C3-C5-C6
14	b	1210	CLA	C2-C3-C5-C6
19	G	5002	LHG	C10-C11-C12-C13
14	B	1205	CLA	C11-C12-C13-C14
14	B	1210	CLA	C14-C13-C15-C16
14	B	1225	CLA	C14-C13-C15-C16
14	H	1205	CLA	C11-C12-C13-C14
14	H	1210	CLA	C14-C13-C15-C16
14	H	1225	CLA	C14-C13-C15-C16
14	b	1205	CLA	C11-C12-C13-C14
14	b	1210	CLA	C14-C13-C15-C16
14	b	1225	CLA	C14-C13-C15-C16
15	B	1238	F6C	C14-C13-C15-C16
19	A	5002	LHG	C10-C11-C12-C13
19	a	5002	LHG	C10-C11-C12-C13
13	A	1011	CL0	CAA-CBA-CGA-O2A
13	G	1011	CL0	CAA-CBA-CGA-O2A
13	a	1011	CL0	CAA-CBA-CGA-O2A
14	L	1502	CLA	C4-C3-C5-C6
14	U	1502	CLA	C4-C3-C5-C6
14	l	1502	CLA	C4-C3-C5-C6
15	B	1238	F6C	C4-C3-C5-C6
15	H	1238	F6C	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
15	b	1238	F6C	C4-C3-C5-C6
21	G	6003	LMT	C4'-C5'-C6'-O6'
14	A	1136	CLA	C2A-CAA-CBA-CGA
14	G	1136	CLA	C2A-CAA-CBA-CGA
14	a	1136	CLA	C2A-CAA-CBA-CGA
14	A	1140	CLA	CAA-CBA-CGA-O1A
14	G	1140	CLA	CAA-CBA-CGA-O1A
14	a	1140	CLA	CAA-CBA-CGA-O1A
14	A	1012	CLA	C1A-C2A-CAA-CBA
14	A	1127	CLA	C1A-C2A-CAA-CBA
14	A	1133	CLA	C1A-C2A-CAA-CBA
14	B	1227	CLA	C1A-C2A-CAA-CBA
14	B	1231	CLA	C1A-C2A-CAA-CBA
14	L	1502	CLA	C1A-C2A-CAA-CBA
14	G	1012	CLA	C1A-C2A-CAA-CBA
14	G	1127	CLA	C1A-C2A-CAA-CBA
14	G	1133	CLA	C1A-C2A-CAA-CBA
14	H	1227	CLA	C1A-C2A-CAA-CBA
14	H	1231	CLA	C1A-C2A-CAA-CBA
14	U	1502	CLA	C1A-C2A-CAA-CBA
14	a	1012	CLA	C1A-C2A-CAA-CBA
14	a	1127	CLA	C1A-C2A-CAA-CBA
14	a	1133	CLA	C1A-C2A-CAA-CBA
14	b	1227	CLA	C1A-C2A-CAA-CBA
14	l	1502	CLA	C1A-C2A-CAA-CBA
18	A	4004	BCR	C16-C17-C18-C19
18	A	4006	BCR	C16-C17-C18-C19
18	B	4006	BCR	C11-C10-C9-C8
18	G	4004	BCR	C16-C17-C18-C19
18	G	4006	BCR	C16-C17-C18-C19
18	H	4006	BCR	C11-C10-C9-C8
18	a	4004	BCR	C16-C17-C18-C19
18	a	4006	BCR	C16-C17-C18-C19
18	b	4006	BCR	C11-C10-C9-C8
21	A	6003	LMT	C4'-C5'-C6'-O6'
14	A	1101	CLA	C2B-C3B-CAB-CBB
14	A	1114	CLA	C2B-C3B-CAB-CBB
14	A	1129	CLA	C2B-C3B-CAB-CBB
14	A	1139	CLA	C2B-C3B-CAB-CBB
14	B	1224	CLA	C2B-C3B-CAB-CBB
14	B	1234	CLA	C2B-C3B-CAB-CBB
14	G	1101	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	1114	CLA	C2B-C3B-CAB-CBB
14	G	1129	CLA	C2B-C3B-CAB-CBB
14	G	1139	CLA	C2B-C3B-CAB-CBB
14	H	1224	CLA	C2B-C3B-CAB-CBB
14	H	1234	CLA	C2B-C3B-CAB-CBB
14	a	1101	CLA	C2B-C3B-CAB-CBB
14	a	1114	CLA	C2B-C3B-CAB-CBB
14	a	1129	CLA	C2B-C3B-CAB-CBB
14	a	1139	CLA	C2B-C3B-CAB-CBB
14	b	1224	CLA	C2B-C3B-CAB-CBB
14	b	1234	CLA	C2B-C3B-CAB-CBB
18	A	4001	BCR	C23-C24-C25-C30
18	A	4002	BCR	C23-C24-C25-C26
18	A	4004	BCR	C23-C24-C25-C30
18	B	4004	BCR	C23-C24-C25-C26
18	B	4010	BCR	C23-C24-C25-C26
18	B	4017	BCR	C23-C24-C25-C26
18	I	4018	BCR	C5-C6-C7-C8
18	K	4001	BCR	C23-C24-C25-C26
18	L	4019	BCR	C5-C6-C7-C8
18	M	4021	BCR	C1-C6-C7-C8
18	M	4021	BCR	C5-C6-C7-C8
18	M	4021	BCR	C23-C24-C25-C26
18	G	4001	BCR	C23-C24-C25-C30
18	G	4002	BCR	C23-C24-C25-C26
18	G	4004	BCR	C23-C24-C25-C30
18	H	4004	BCR	C23-C24-C25-C26
18	H	4010	BCR	C23-C24-C25-C26
18	H	4017	BCR	C23-C24-C25-C26
18	R	4018	BCR	C5-C6-C7-C8
18	T	4001	BCR	C23-C24-C25-C26
18	U	4019	BCR	C5-C6-C7-C8
18	V	4021	BCR	C1-C6-C7-C8
18	V	4021	BCR	C5-C6-C7-C8
18	V	4021	BCR	C23-C24-C25-C26
18	a	4001	BCR	C23-C24-C25-C26
18	a	4001	BCR	C23-C24-C25-C30
18	a	4002	BCR	C23-C24-C25-C26
18	a	4004	BCR	C23-C24-C25-C30
18	b	4004	BCR	C23-C24-C25-C26
18	b	4010	BCR	C23-C24-C25-C26
18	b	4017	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
18	i	4018	BCR	C5-C6-C7-C8
18	k	4001	BCR	C23-C24-C25-C26
18	l	4019	BCR	C5-C6-C7-C8
18	m	4021	BCR	C1-C6-C7-C8
18	m	4021	BCR	C5-C6-C7-C8
18	m	4021	BCR	C23-C24-C25-C26
21	a	6003	LMT	C4'-C5'-C6'-O6'
14	G	1101	CLA	CAA-CBA-CGA-O2A
14	A	1101	CLA	CAA-CBA-CGA-O2A
14	a	1101	CLA	CAA-CBA-CGA-O2A
14	a	1126	CLA	C10-C11-C12-C13
14	B	1221	CLA	C11-C12-C13-C15
14	B	1222	CLA	C6-C7-C8-C10
14	B	1223	CLA	C12-C13-C15-C16
14	B	1234	CLA	C6-C7-C8-C10
14	B	1240	CLA	C6-C7-C8-C10
14	H	1221	CLA	C11-C12-C13-C15
14	H	1222	CLA	C6-C7-C8-C10
14	H	1223	CLA	C12-C13-C15-C16
14	H	1234	CLA	C6-C7-C8-C10
14	H	1240	CLA	C6-C7-C8-C10
14	b	1221	CLA	C11-C12-C13-C15
14	b	1222	CLA	C6-C7-C8-C10
14	b	1223	CLA	C12-C13-C15-C16
14	b	1234	CLA	C6-C7-C8-C10
14	b	1240	CLA	C6-C7-C8-C10
14	A	1126	CLA	C10-C11-C12-C13
14	G	1126	CLA	C10-C11-C12-C13
14	A	1141	CLA	CAA-CBA-CGA-O2A
21	A	6001	LMT	C2-C3-C4-C5
21	G	6001	LMT	C2-C3-C4-C5
21	a	6001	LMT	C2-C3-C4-C5
14	A	1104	CLA	C16-C17-C18-C19
14	G	1104	CLA	C16-C17-C18-C19
14	G	1141	CLA	CAA-CBA-CGA-O2A
14	a	1141	CLA	CAA-CBA-CGA-O2A
14	A	1117	CLA	C2-C3-C5-C6
14	A	1127	CLA	C2-C3-C5-C6
14	B	1221	CLA	C2-C3-C5-C6
14	L	1502	CLA	C2-C3-C5-C6
14	G	1117	CLA	C2-C3-C5-C6
14	G	1127	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	H	1221	CLA	C2-C3-C5-C6
14	U	1502	CLA	C2-C3-C5-C6
14	a	1117	CLA	C2-C3-C5-C6
14	a	1127	CLA	C2-C3-C5-C6
14	b	1221	CLA	C2-C3-C5-C6
14	l	1502	CLA	C2-C3-C5-C6
14	a	1101	CLA	CAA-CBA-CGA-O1A
14	a	1104	CLA	C16-C17-C18-C19
14	A	1101	CLA	CAA-CBA-CGA-O1A
14	G	1101	CLA	CAA-CBA-CGA-O1A
14	B	1211	CLA	C10-C11-C12-C13
14	H	1211	CLA	C10-C11-C12-C13
14	b	1211	CLA	C10-C11-C12-C13
18	B	4010	BCR	C19-C20-C21-C22
18	H	4010	BCR	C19-C20-C21-C22
18	b	4010	BCR	C19-C20-C21-C22
20	A	5003	LMG	C42-C43-C44-C45
20	a	5003	LMG	C42-C43-C44-C45
20	G	5003	LMG	C42-C43-C44-C45
15	B	1238	F6C	C2-C3-C5-C6
15	H	1238	F6C	C2-C3-C5-C6
15	b	1238	F6C	C2-C3-C5-C6
14	G	1137	CLA	O1A-CGA-O2A-C1
14	a	1137	CLA	O1A-CGA-O2A-C1
14	A	1103	CLA	C16-C17-C18-C19
14	G	1103	CLA	C16-C17-C18-C19
14	a	1103	CLA	C16-C17-C18-C19
14	A	1110	CLA	CAA-CBA-CGA-O2A
14	G	1110	CLA	CAA-CBA-CGA-O2A
14	A	1115	CLA	C10-C11-C12-C13
14	a	1115	CLA	C10-C11-C12-C13
14	A	1137	CLA	O1A-CGA-O2A-C1
15	B	1207	F6C	C2A-CAA-CBA-CGA
15	H	1207	F6C	C2A-CAA-CBA-CGA
15	b	1207	F6C	C2A-CAA-CBA-CGA
14	a	1110	CLA	CAA-CBA-CGA-O2A
14	L	1501	CLA	C2A-CAA-CBA-CGA
14	U	1501	CLA	C2A-CAA-CBA-CGA
14	l	1501	CLA	C2A-CAA-CBA-CGA
14	G	1115	CLA	C10-C11-C12-C13
15	B	1207	F6C	C16-C17-C18-C19
15	b	1207	F6C	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	A	1141	CLA	CAA-CBA-CGA-O1A
14	G	1141	CLA	CAA-CBA-CGA-O1A
14	a	1141	CLA	CAA-CBA-CGA-O1A
14	A	1115	CLA	C15-C16-C17-C18
14	G	1115	CLA	C15-C16-C17-C18
14	a	1115	CLA	C15-C16-C17-C18
19	A	5001	LHG	O1-C1-C2-O2
19	G	5001	LHG	O1-C1-C2-O2
19	a	5001	LHG	O1-C1-C2-O2
14	A	1124	CLA	C4-C3-C5-C6
14	G	1124	CLA	C4-C3-C5-C6
18	G	4005	BCR	C9-C10-C11-C12
14	A	1111	CLA	C4B-C3B-CAB-CBB
14	G	1111	CLA	C4B-C3B-CAB-CBB
14	a	1111	CLA	C4B-C3B-CAB-CBB
14	H	1217	CLA	O1D-CGD-O2D-CED
15	H	1207	F6C	C16-C17-C18-C19
14	a	1128	CLA	CBD-CGD-O2D-CED
14	B	1217	CLA	O1D-CGD-O2D-CED
14	B	1215	CLA	C5-C6-C7-C8
14	H	1215	CLA	C5-C6-C7-C8
14	b	1215	CLA	C5-C6-C7-C8
19	G	5002	LHG	C32-C33-C34-C35
21	H	6003	LMT	C3-C4-C5-C6
14	A	1128	CLA	CBD-CGD-O2D-CED
21	B	6003	LMT	C3-C4-C5-C6
21	b	6003	LMT	C3-C4-C5-C6
18	M	4021	BCR	C14-C15-C16-C17
19	A	5002	LHG	C32-C33-C34-C35
19	a	5002	LHG	C32-C33-C34-C35
14	B	1215	CLA	C4-C3-C5-C6
14	H	1215	CLA	C4-C3-C5-C6
14	a	1124	CLA	C4-C3-C5-C6
14	b	1215	CLA	C4-C3-C5-C6
21	A	6002	LMT	O5'-C1'-O1'-C1
21	I	6001	LMT	O5'-C1'-O1'-C1
21	G	6002	LMT	O5'-C1'-O1'-C1
21	R	6001	LMT	O5'-C1'-O1'-C1
21	a	6002	LMT	O5'-C1'-O1'-C1
21	i	6001	LMT	O5'-C1'-O1'-C1
14	b	1217	CLA	O1D-CGD-O2D-CED
19	A	5002	LHG	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
19	G	5002	LHG	C24-C25-C26-C27
20	B	5002	LMG	C34-C35-C36-C37
20	b	5002	LMG	C34-C35-C36-C37
18	a	4005	BCR	C9-C10-C11-C12
19	a	5002	LHG	C24-C25-C26-C27
20	H	5002	LMG	C34-C35-C36-C37
14	G	1128	CLA	CBD-CGD-O2D-CED
14	A	1109	CLA	C6-C7-C8-C9
14	B	1202	CLA	C11-C10-C8-C9
14	B	1231	CLA	C14-C13-C15-C16
14	G	1109	CLA	C6-C7-C8-C9
14	H	1202	CLA	C11-C10-C8-C9
14	H	1231	CLA	C14-C13-C15-C16
14	a	1109	CLA	C6-C7-C8-C9
14	b	1202	CLA	C11-C10-C8-C9
14	b	1231	CLA	C14-C13-C15-C16
16	B	2002	PQN	C16-C17-C18-C19
16	H	2002	PQN	C16-C17-C18-C19
16	b	2002	PQN	C16-C17-C18-C19
21	b	6002	LMT	C4'-C5'-C6'-O6'
14	M	1501	CLA	C2-C1-O2A-CGA
14	V	1501	CLA	C2-C1-O2A-CGA
14	m	1501	CLA	C2-C1-O2A-CGA
21	B	6002	LMT	C4'-C5'-C6'-O6'
14	A	1111	CLA	C3A-C2A-CAA-CBA
14	A	1130	CLA	C3A-C2A-CAA-CBA
14	G	1111	CLA	C3A-C2A-CAA-CBA
14	G	1130	CLA	C3A-C2A-CAA-CBA
14	a	1111	CLA	C3A-C2A-CAA-CBA
14	a	1130	CLA	C3A-C2A-CAA-CBA
21	a	6002	LMT	C3'-C4'-O1B-C1B
21	H	6002	LMT	C4'-C5'-C6'-O6'
21	B	6003	LMT	O5B-C1B-O1B-C4'
21	A	6002	LMT	C3'-C4'-O1B-C1B
21	G	6002	LMT	C3'-C4'-O1B-C1B
21	H	6003	LMT	O5B-C1B-O1B-C4'
21	G	6001	LMT	O5B-C1B-O1B-C4'
21	b	6003	LMT	O5B-C1B-O1B-C4'
21	A	6001	LMT	O5B-C1B-O1B-C4'
18	m	4021	BCR	C14-C15-C16-C17
14	G	1107	CLA	CAA-CBA-CGA-O2A
21	a	6001	LMT	O5B-C1B-O1B-C4'

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Mol	Chain	Res	Type	Atoms
14	b	1235	CLA	C4-C3-C5-C6
14	A	1107	CLA	CAA-CBA-CGA-O2A
14	a	1107	CLA	CAA-CBA-CGA-O2A
14	A	1128	CLA	O1D-CGD-O2D-CED
18	B	4010	BCR	C16-C17-C18-C19
18	H	4010	BCR	C16-C17-C18-C19
18	b	4010	BCR	C16-C17-C18-C19
14	a	1110	CLA	CAA-CBA-CGA-O1A
14	a	1128	CLA	O1D-CGD-O2D-CED
13	A	1011	CL0	CBA-CGA-O2A-C1
13	G	1011	CL0	CBA-CGA-O2A-C1
13	a	1011	CL0	CBA-CGA-O2A-C1
21	G	6001	LMT	C2B-C1B-O1B-C4'
14	A	1110	CLA	CAA-CBA-CGA-O1A
14	G	1110	CLA	CAA-CBA-CGA-O1A
14	G	1128	CLA	O1D-CGD-O2D-CED
15	B	1238	F6C	C4B-C3B-CAB-CBB
15	H	1238	F6C	C4B-C3B-CAB-CBB
15	b	1238	F6C	C4B-C3B-CAB-CBB
21	A	6001	LMT	C2B-C1B-O1B-C4'
21	a	6001	LMT	C2B-C1B-O1B-C4'
14	B	1235	CLA	C4-C3-C5-C6
14	H	1235	CLA	C4-C3-C5-C6
14	A	1130	CLA	C2A-CAA-CBA-CGA
14	G	1130	CLA	C2A-CAA-CBA-CGA
14	a	1130	CLA	C2A-CAA-CBA-CGA
18	A	4005	BCR	C9-C10-C11-C12
21	L	6002	LMT	C1-C2-C3-C4
21	U	6002	LMT	C1-C2-C3-C4
16	B	2002	PQN	C23-C25-C26-C27
21	l	6002	LMT	C1-C2-C3-C4
14	A	1125	CLA	C11-C12-C13-C14
14	B	1023	CLA	C11-C10-C8-C9
14	B	1201	CLA	C11-C10-C8-C9
14	B	1240	CLA	C11-C10-C8-C9
14	G	1125	CLA	C11-C12-C13-C14
14	H	1023	CLA	C11-C10-C8-C9
14	H	1201	CLA	C11-C10-C8-C9
14	H	1240	CLA	C11-C10-C8-C9
14	a	1125	CLA	C11-C12-C13-C14
14	b	1023	CLA	C11-C10-C8-C9
14	b	1201	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b	1240	CLA	C11-C10-C8-C9
16	H	2002	PQN	C23-C25-C26-C27
18	A	4002	BCR	C7-C8-C9-C10
18	A	4003	BCR	C17-C18-C19-C20
18	G	4002	BCR	C7-C8-C9-C10
18	G	4003	BCR	C17-C18-C19-C20
18	a	4002	BCR	C7-C8-C9-C10
18	a	4003	BCR	C17-C18-C19-C20
14	A	1103	CLA	C3-C5-C6-C7
14	G	1103	CLA	C3-C5-C6-C7
14	a	1103	CLA	C3-C5-C6-C7
19	U	5101	LHG	O7-C7-C8-C9
14	A	1109	CLA	C6-C7-C8-C10
14	A	1123	CLA	C11-C10-C8-C7
14	B	1023	CLA	C11-C10-C8-C7
14	B	1203	CLA	C11-C10-C8-C7
14	B	1210	CLA	C11-C12-C13-C15
14	B	1224	CLA	C11-C12-C13-C15
14	G	1109	CLA	C6-C7-C8-C10
14	G	1123	CLA	C11-C10-C8-C7
14	H	1023	CLA	C11-C10-C8-C7
14	H	1203	CLA	C11-C10-C8-C7
14	H	1210	CLA	C11-C12-C13-C15
14	H	1224	CLA	C11-C12-C13-C15
14	a	1109	CLA	C6-C7-C8-C10
14	a	1123	CLA	C11-C10-C8-C7
14	b	1023	CLA	C11-C10-C8-C7
14	b	1203	CLA	C11-C10-C8-C7
14	b	1210	CLA	C11-C12-C13-C15
14	b	1224	CLA	C11-C12-C13-C15
14	L	1502	CLA	C10-C11-C12-C13
14	l	1502	CLA	C10-C11-C12-C13
16	b	2002	PQN	C23-C25-C26-C27
14	A	1012	CLA	C2B-C3B-CAB-CBB
14	A	1109	CLA	C2B-C3B-CAB-CBB
14	A	1118	CLA	C2B-C3B-CAB-CBB
14	A	1138	CLA	C2B-C3B-CAB-CBB
14	B	1203	CLA	C2B-C3B-CAB-CBB
14	B	1227	CLA	C2B-C3B-CAB-CBB
14	G	1012	CLA	C2B-C3B-CAB-CBB
14	G	1109	CLA	C2B-C3B-CAB-CBB
14	G	1118	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	1138	CLA	C2B-C3B-CAB-CBB
14	H	1203	CLA	C2B-C3B-CAB-CBB
14	H	1227	CLA	C2B-C3B-CAB-CBB
14	a	1012	CLA	C2B-C3B-CAB-CBB
14	a	1109	CLA	C2B-C3B-CAB-CBB
14	a	1118	CLA	C2B-C3B-CAB-CBB
14	a	1138	CLA	C2B-C3B-CAB-CBB
14	b	1203	CLA	C2B-C3B-CAB-CBB
14	b	1227	CLA	C2B-C3B-CAB-CBB
18	A	4001	BCR	C23-C24-C25-C26
18	A	4004	BCR	C23-C24-C25-C26
18	G	4001	BCR	C23-C24-C25-C26
18	G	4004	BCR	C23-C24-C25-C26
18	a	4004	BCR	C23-C24-C25-C26
14	U	1502	CLA	C10-C11-C12-C13
19	L	5101	LHG	O7-C7-C8-C9
19	l	5101	LHG	O7-C7-C8-C9
14	A	1133	CLA	C2-C1-O2A-CGA
14	a	1133	CLA	C2-C1-O2A-CGA
15	A	1121	F6C	CAA-CBA-CGA-O2A
14	A	1138	CLA	C2-C3-C5-C6
14	G	1138	CLA	C2-C3-C5-C6
14	a	1138	CLA	C2-C3-C5-C6
14	a	1107	CLA	CAA-CBA-CGA-O1A
15	G	1121	F6C	CAA-CBA-CGA-O2A
15	a	1121	F6C	CAA-CBA-CGA-O2A
14	A	1013	CLA	C2A-CAA-CBA-CGA
14	G	1013	CLA	C2A-CAA-CBA-CGA
14	a	1013	CLA	C2A-CAA-CBA-CGA
21	b	6001	LMT	C9-C10-C11-C12
21	B	6001	LMT	C9-C10-C11-C12
21	H	6001	LMT	C9-C10-C11-C12
14	H	1239	CLA	CAA-CBA-CGA-O2A
20	H	5002	LMG	O7-C10-C11-C12
20	b	5002	LMG	O7-C10-C11-C12
14	B	1239	CLA	CAA-CBA-CGA-O2A
14	b	1239	CLA	CAA-CBA-CGA-O2A
20	B	5002	LMG	O7-C10-C11-C12
14	A	1107	CLA	CAA-CBA-CGA-O1A
14	A	1132	CLA	C13-C15-C16-C17
21	B	6004	LMT	C4'-C5'-C6'-O6'
21	H	6004	LMT	C4'-C5'-C6'-O6'

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Mol	Chain	Res	Type	Atoms
14	K	1401	CLA	CAA-CBA-CGA-O2A
14	G	1107	CLA	CAA-CBA-CGA-O1A
14	T	1401	CLA	CAA-CBA-CGA-O2A
14	k	1401	CLA	CAA-CBA-CGA-O2A
21	b	6004	LMT	C4'-C5'-C6'-O6'
14	B	1227	CLA	CAA-CBA-CGA-O2A
14	G	1132	CLA	C13-C15-C16-C17
14	G	1103	CLA	CAA-CBA-CGA-O2A
14	H	1236	CLA	CAA-CBA-CGA-O2A
14	a	1103	CLA	CAA-CBA-CGA-O2A
14	B	1217	CLA	CAA-CBA-CGA-O2A
14	H	1217	CLA	CAA-CBA-CGA-O2A
14	H	1227	CLA	CAA-CBA-CGA-O2A
14	b	1217	CLA	CAA-CBA-CGA-O2A
14	b	1227	CLA	CAA-CBA-CGA-O2A
14	B	1240	CLA	C6-C7-C8-C9
14	H	1240	CLA	C6-C7-C8-C9
14	b	1240	CLA	C6-C7-C8-C9
14	A	1103	CLA	CAA-CBA-CGA-O2A
14	B	1235	CLA	CAA-CBA-CGA-O2A
14	B	1236	CLA	CAA-CBA-CGA-O2A
14	H	1235	CLA	CAA-CBA-CGA-O2A
14	b	1235	CLA	CAA-CBA-CGA-O2A
14	b	1236	CLA	CAA-CBA-CGA-O2A
19	L	5102	LHG	O8-C23-C24-C25
19	U	5102	LHG	O8-C23-C24-C25
21	A	6002	LMT	O1'-C1-C2-C3
21	a	6002	LMT	O1'-C1-C2-C3
21	H	6003	LMT	C4-C5-C6-C7
21	G	6002	LMT	O1'-C1-C2-C3
14	a	1132	CLA	C13-C15-C16-C17
14	A	1111	CLA	C1A-C2A-CAA-CBA
14	A	1119	CLA	C1A-C2A-CAA-CBA
14	A	1123	CLA	C1A-C2A-CAA-CBA
14	B	1203	CLA	C4B-C3B-CAB-CBB
14	B	1240	CLA	C4B-C3B-CAB-CBB
14	G	1111	CLA	C1A-C2A-CAA-CBA
14	G	1119	CLA	C1A-C2A-CAA-CBA
14	G	1123	CLA	C1A-C2A-CAA-CBA
14	H	1203	CLA	C4B-C3B-CAB-CBB
14	H	1240	CLA	C4B-C3B-CAB-CBB
14	a	1111	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	a	1119	CLA	C1A-C2A-CAA-CBA
14	a	1123	CLA	C1A-C2A-CAA-CBA
14	a	1126	CLA	C4B-C3B-CAB-CBB
14	b	1203	CLA	C4B-C3B-CAB-CBB
14	b	1231	CLA	C1A-C2A-CAA-CBA
14	b	1240	CLA	C4B-C3B-CAB-CBB
21	B	6003	LMT	C4-C5-C6-C7
21	b	6003	LMT	C4-C5-C6-C7
20	H	5002	LMG	C21-C22-C23-C24
20	b	5002	LMG	C21-C22-C23-C24
20	B	5002	LMG	C21-C22-C23-C24
21	L	6101	LMT	O5'-C1'-O1'-C1
21	U	6101	LMT	O5'-C1'-O1'-C1
21	l	6101	LMT	O5'-C1'-O1'-C1
15	B	1237	F6C	CAA-CBA-CGA-O2A
15	H	1237	F6C	CAA-CBA-CGA-O2A
15	b	1237	F6C	CAA-CBA-CGA-O2A
19	l	5102	LHG	O8-C23-C24-C25
18	K	4001	BCR	C15-C16-C17-C18
18	T	4001	BCR	C15-C16-C17-C18
18	k	4001	BCR	C15-C16-C17-C18
14	B	1203	CLA	C15-C16-C17-C18
14	H	1203	CLA	C15-C16-C17-C18
14	b	1203	CLA	C15-C16-C17-C18
19	L	5101	LHG	C27-C28-C29-C30
19	U	5101	LHG	C27-C28-C29-C30
14	A	1131	CLA	C11-C12-C13-C14
14	G	1131	CLA	C11-C12-C13-C14
14	B	1216	CLA	CAA-CBA-CGA-O2A
14	H	1216	CLA	CAA-CBA-CGA-O2A
14	b	1216	CLA	CAA-CBA-CGA-O2A
14	G	1013	CLA	C8-C10-C11-C12
19	l	5101	LHG	C27-C28-C29-C30
14	B	1233	CLA	CAA-CBA-CGA-O1A
14	A	1013	CLA	C8-C10-C11-C12
14	a	1013	CLA	C8-C10-C11-C12
13	A	1011	CL0	C2-C1-O2A-CGA
13	G	1011	CL0	C2-C1-O2A-CGA
13	a	1011	CL0	C2-C1-O2A-CGA
14	B	1221	CLA	C2-C1-O2A-CGA
14	B	1240	CLA	C2-C1-O2A-CGA
14	G	1133	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	b	1221	CLA	C2-C1-O2A-CGA
14	b	1240	CLA	C2-C1-O2A-CGA
14	B	1202	CLA	C11-C10-C8-C7
14	B	1234	CLA	C11-C10-C8-C7
14	B	1239	CLA	C11-C12-C13-C15
14	H	1202	CLA	C11-C10-C8-C7
14	H	1234	CLA	C11-C10-C8-C7
14	H	1239	CLA	C11-C12-C13-C15
14	b	1202	CLA	C11-C10-C8-C7
14	b	1234	CLA	C11-C10-C8-C7
14	b	1239	CLA	C11-C12-C13-C15
15	B	1237	F6C	C6-C7-C8-C10
15	H	1237	F6C	C6-C7-C8-C10
15	b	1237	F6C	C6-C7-C8-C10
14	B	1233	CLA	CAA-CBA-CGA-O2A
14	H	1233	CLA	CAA-CBA-CGA-O1A
14	b	1233	CLA	CAA-CBA-CGA-O1A
14	b	1233	CLA	CAA-CBA-CGA-O2A
14	G	1138	CLA	C6-C7-C8-C9
14	a	1131	CLA	C11-C12-C13-C14
14	a	1138	CLA	C6-C7-C8-C9
14	H	1233	CLA	CAA-CBA-CGA-O2A
15	G	1121	F6C	CAA-CBA-CGA-O1A
14	H	1210	CLA	C3-C5-C6-C7
14	b	1210	CLA	C3-C5-C6-C7
14	B	1203	CLA	C2A-CAA-CBA-CGA
14	H	1203	CLA	C2A-CAA-CBA-CGA
14	b	1203	CLA	C2A-CAA-CBA-CGA
14	H	1231	CLA	C8-C10-C11-C12
14	b	1231	CLA	C8-C10-C11-C12
14	A	1138	CLA	C6-C7-C8-C9
15	A	1121	F6C	CAA-CBA-CGA-O1A
15	a	1121	F6C	CAA-CBA-CGA-O1A
20	H	5002	LMG	C4-C5-C6-O5
14	B	1231	CLA	C8-C10-C11-C12
20	B	5002	LMG	C4-C5-C6-O5
19	A	5001	LHG	C2-C3-O3-P
19	G	5001	LHG	C2-C3-O3-P
19	a	5001	LHG	C2-C3-O3-P
14	A	1123	CLA	C3A-C2A-CAA-CBA
14	B	1228	CLA	C3A-C2A-CAA-CBA
14	G	1123	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	1228	CLA	C3A-C2A-CAA-CBA
14	a	1123	CLA	C3A-C2A-CAA-CBA
14	b	1228	CLA	C3A-C2A-CAA-CBA
14	H	1239	CLA	CAA-CBA-CGA-O1A
14	B	1231	CLA	C5-C6-C7-C8
14	H	1231	CLA	C5-C6-C7-C8
14	b	1231	CLA	C5-C6-C7-C8
20	b	5002	LMG	C4-C5-C6-O5
14	B	1203	CLA	CAA-CBA-CGA-O2A
14	H	1203	CLA	CAA-CBA-CGA-O2A
14	b	1203	CLA	CAA-CBA-CGA-O2A
19	G	5002	LHG	C16-C17-C18-C19
14	K	1401	CLA	CAA-CBA-CGA-O1A
14	T	1401	CLA	CAA-CBA-CGA-O1A
14	B	1210	CLA	C3-C5-C6-C7
14	B	1239	CLA	CAA-CBA-CGA-O1A
14	b	1239	CLA	CAA-CBA-CGA-O1A
19	L	5101	LHG	O9-C7-C8-C9
19	U	5101	LHG	O9-C7-C8-C9
19	l	5101	LHG	O9-C7-C8-C9
20	H	5002	LMG	O9-C10-C11-C12
20	b	5002	LMG	O9-C10-C11-C12
19	a	5002	LHG	C16-C17-C18-C19
14	k	1401	CLA	CAA-CBA-CGA-O1A
20	B	5002	LMG	O9-C10-C11-C12
19	A	5002	LHG	C16-C17-C18-C19
14	B	1217	CLA	CAA-CBA-CGA-O1A
14	H	1217	CLA	CAA-CBA-CGA-O1A
14	b	1217	CLA	CAA-CBA-CGA-O1A
14	B	1223	CLA	C14-C13-C15-C16
14	B	1224	CLA	C14-C13-C15-C16
14	H	1223	CLA	C14-C13-C15-C16
14	H	1224	CLA	C14-C13-C15-C16
14	b	1223	CLA	C14-C13-C15-C16
14	b	1224	CLA	C14-C13-C15-C16
14	B	1216	CLA	CAA-CBA-CGA-O1A
14	H	1216	CLA	CAA-CBA-CGA-O1A
14	b	1216	CLA	CAA-CBA-CGA-O1A
18	a	4006	BCR	C9-C10-C11-C12
14	G	1134	CLA	CAA-CBA-CGA-O2A
14	A	1138	CLA	C4-C3-C5-C6
14	G	1138	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a	1138	CLA	C4-C3-C5-C6
14	A	1134	CLA	CAA-CBA-CGA-O2A
14	B	1227	CLA	CAA-CBA-CGA-O1A
14	H	1227	CLA	CAA-CBA-CGA-O1A
14	a	1134	CLA	CAA-CBA-CGA-O2A
14	b	1227	CLA	CAA-CBA-CGA-O1A
15	B	1237	F6C	CAA-CBA-CGA-O1A
15	H	1237	F6C	CAA-CBA-CGA-O1A
15	b	1237	F6C	CAA-CBA-CGA-O1A
14	B	1202	CLA	CAA-CBA-CGA-O2A
14	H	1202	CLA	CAA-CBA-CGA-O2A
14	b	1202	CLA	CAA-CBA-CGA-O2A
14	B	1236	CLA	CAA-CBA-CGA-O1A
14	H	1236	CLA	CAA-CBA-CGA-O1A
14	b	1236	CLA	CAA-CBA-CGA-O1A
20	I	5006	LMG	O8-C28-C29-C30
20	R	5006	LMG	O8-C28-C29-C30
20	i	5006	LMG	O8-C28-C29-C30
18	A	4006	BCR	C9-C10-C11-C12
14	B	1201	CLA	CAD-CBD-CGD-O2D
14	H	1201	CLA	CAD-CBD-CGD-O2D
14	b	1201	CLA	CAD-CBD-CGD-O2D
15	B	1238	F6C	CAD-CBD-CGD-O2D
15	H	1238	F6C	CAD-CBD-CGD-O2D
15	b	1238	F6C	CAD-CBD-CGD-O2D
19	L	5102	LHG	O10-C23-C24-C25
19	U	5102	LHG	O10-C23-C24-C25
19	l	5102	LHG	O10-C23-C24-C25
14	B	1225	CLA	C10-C11-C12-C13
14	H	1225	CLA	C10-C11-C12-C13
14	B	1203	CLA	C2-C1-O2A-CGA
14	H	1203	CLA	C2-C1-O2A-CGA
14	H	1221	CLA	C2-C1-O2A-CGA
14	H	1240	CLA	C2-C1-O2A-CGA
14	b	1203	CLA	C2-C1-O2A-CGA
19	L	5101	LHG	O8-C23-C24-C25
19	U	5101	LHG	O8-C23-C24-C25
14	A	1133	CLA	C11-C12-C13-C15
14	G	1133	CLA	C11-C12-C13-C15
14	a	1133	CLA	C11-C12-C13-C15
14	b	1225	CLA	C10-C11-C12-C13
14	B	1222	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	H	1222	CLA	C4-C3-C5-C6
14	A	1102	CLA	CAA-CBA-CGA-O2A
14	A	1137	CLA	CAA-CBA-CGA-O2A
14	G	1102	CLA	CAA-CBA-CGA-O2A
14	G	1137	CLA	CAA-CBA-CGA-O2A
14	a	1102	CLA	CAA-CBA-CGA-O2A
14	a	1137	CLA	CAA-CBA-CGA-O2A
14	B	1212	CLA	CAA-CBA-CGA-O2A
14	H	1212	CLA	CAA-CBA-CGA-O2A
14	b	1212	CLA	CAA-CBA-CGA-O2A
14	B	1220	CLA	CAA-CBA-CGA-O2A
14	G	1125	CLA	CAA-CBA-CGA-O2A
14	H	1220	CLA	CAA-CBA-CGA-O2A
14	a	1123	CLA	CAA-CBA-CGA-O2A
14	B	1203	CLA	CAA-CBA-CGA-O1A
14	B	1235	CLA	CAA-CBA-CGA-O1A
14	H	1203	CLA	CAA-CBA-CGA-O1A
14	H	1235	CLA	CAA-CBA-CGA-O1A
14	b	1203	CLA	CAA-CBA-CGA-O1A
14	b	1235	CLA	CAA-CBA-CGA-O1A

There are no ring outliers.

354 monomers are involved in 980 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
20	i	5006	LMG	1	0
14	B	1214	CLA	4	0
14	A	1138	CLA	1	0
14	B	1209	CLA	1	0
14	A	1120	CLA	1	0
14	a	1103	CLA	4	0
14	b	1214	CLA	3	0
14	G	1133	CLA	2	0
21	i	6001	LMT	2	0
18	B	4014	BCR	3	0
18	b	4006	BCR	2	0
14	a	1107	CLA	1	0
14	G	1123	CLA	2	0
14	a	1116	CLA	5	0
14	a	1105	CLA	1	0
18	V	4021	BCR	5	0
14	H	1218	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	1204	CLA	4	0
14	G	1106	CLA	4	0
18	U	4019	BCR	3	0
14	A	1104	CLA	2	0
14	B	1222	CLA	5	0
15	b	1219	F6C	6	0
14	B	1205	CLA	6	0
14	b	1231	CLA	4	0
14	G	1119	CLA	2	0
18	i	4018	BCR	4	0
14	a	1101	CLA	1	0
14	b	1236	CLA	3	0
18	G	4003	BCR	2	0
14	B	1212	CLA	1	0
14	m	1501	CLA	5	0
16	G	2001	PQN	2	0
14	G	1140	CLA	2	0
18	B	4004	BCR	4	0
21	U	6101	LMT	1	0
14	A	1135	CLA	2	0
14	H	1220	CLA	4	0
14	b	1220	CLA	3	0
14	b	1221	CLA	9	0
14	A	1136	CLA	3	0
21	B	6002	LMT	1	0
14	b	1239	CLA	2	0
19	G	5002	LHG	2	0
14	G	1128	CLA	2	0
21	B	6003	LMT	2	0
14	A	1123	CLA	2	0
18	R	4018	BCR	5	0
18	L	4022	BCR	3	0
18	a	4005	BCR	1	0
18	B	4006	BCR	2	0
14	A	1012	CLA	4	0
14	B	1213	CLA	2	0
18	G	4001	BCR	1	0
14	a	1102	CLA	1	0
21	I	6001	LMT	3	0
21	L	6001	LMT	1	0
14	B	1220	CLA	3	0
18	A	4002	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	1236	CLA	3	0
14	B	1239	CLA	3	0
14	b	1232	CLA	1	0
15	B	1219	F6C	6	0
14	G	1101	CLA	1	0
14	l	1502	CLA	2	0
14	A	1103	CLA	4	0
14	A	1124	CLA	3	0
14	A	1130	CLA	3	0
19	a	5002	LHG	2	0
14	H	1224	CLA	7	0
14	A	1112	CLA	3	0
14	H	1023	CLA	5	0
14	G	1109	CLA	4	0
19	L	5102	LHG	1	0
14	G	1115	CLA	5	0
14	b	1215	CLA	4	0
14	b	1209	CLA	1	0
14	b	1234	CLA	5	0
14	H	1239	CLA	4	0
14	G	1012	CLA	4	0
14	A	1132	CLA	3	0
20	G	5003	LMG	3	0
21	B	6001	LMT	1	0
21	b	6001	LMT	1	0
14	a	1122	CLA	3	0
21	l	6001	LMT	1	0
14	V	1501	CLA	5	0
15	b	1207	F6C	1	0
18	K	4001	BCR	2	0
14	A	1141	CLA	2	0
14	b	1226	CLA	3	0
14	H	1217	CLA	3	0
14	B	1211	CLA	4	0
21	H	6002	LMT	1	0
14	B	1224	CLA	6	0
14	G	1138	CLA	1	0
14	H	1235	CLA	5	0
14	b	1023	CLA	4	0
14	A	1128	CLA	1	0
18	H	4006	BCR	2	0
14	H	1202	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
20	a	5003	LMG	4	0
14	b	1218	CLA	1	0
14	B	1235	CLA	4	0
14	H	1228	CLA	2	0
14	B	1208	CLA	2	0
14	B	1227	CLA	4	0
16	b	2002	PQN	4	0
14	L	1502	CLA	3	0
19	L	5101	LHG	2	0
15	H	1207	F6C	1	0
18	b	4005	BCR	3	0
19	a	5001	LHG	3	0
18	a	4003	BCR	3	0
14	H	1222	CLA	6	0
14	H	1215	CLA	4	0
14	A	1111	CLA	5	0
14	A	1131	CLA	3	0
14	H	1022	CLA	7	0
14	b	1217	CLA	3	0
14	B	1201	CLA	6	0
16	a	2001	PQN	4	0
14	B	1228	CLA	2	0
14	k	1401	CLA	4	0
14	B	1234	CLA	5	0
13	A	1011	CL0	6	0
14	A	1133	CLA	1	0
14	b	1224	CLA	8	0
14	H	1234	CLA	4	0
14	H	1201	CLA	8	0
19	U	5102	LHG	1	0
14	H	1203	CLA	5	0
14	B	1231	CLA	2	0
14	G	1104	CLA	4	0
18	B	4017	BCR	3	0
14	a	1109	CLA	5	0
14	b	1202	CLA	7	0
18	b	4009	BCR	4	0
14	H	1213	CLA	2	0
14	b	1228	CLA	3	0
18	L	4019	BCR	3	0
18	B	4005	BCR	3	0
14	G	1120	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
15	B	1207	F6C	1	0
14	H	1206	CLA	6	0
14	b	1022	CLA	7	0
19	A	5002	LHG	2	0
14	B	1202	CLA	6	0
14	b	1233	CLA	1	0
19	G	5001	LHG	3	0
14	B	1218	CLA	2	0
18	U	4022	BCR	3	0
16	A	2001	PQN	3	0
14	b	1216	CLA	7	0
14	b	1203	CLA	4	0
18	A	4001	BCR	2	0
14	B	1226	CLA	1	0
14	G	1122	CLA	3	0
18	B	4009	BCR	3	0
14	A	1134	CLA	3	0
13	G	1011	CL0	6	0
14	B	1215	CLA	4	0
14	a	1104	CLA	2	0
14	A	1106	CLA	5	0
14	U	1501	CLA	21	0
14	G	1127	CLA	1	0
14	G	1112	CLA	2	0
19	U	5101	LHG	3	0
14	A	1117	CLA	2	0
20	R	5006	LMG	1	0
14	A	1119	CLA	2	0
14	a	1132	CLA	4	0
14	b	1206	CLA	6	0
14	H	1208	CLA	1	0
14	H	1216	CLA	6	0
21	G	6003	LMT	1	0
18	k	4001	BCR	2	0
18	A	4004	BCR	3	0
14	B	1216	CLA	7	0
14	G	1126	CLA	5	0
18	G	4002	BCR	2	0
21	b	6003	LMT	1	0
18	T	4001	BCR	3	0
18	b	4004	BCR	2	0
14	a	1123	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	1141	CLA	2	0
14	a	1141	CLA	2	0
18	I	4020	BCR	4	0
14	B	1225	CLA	4	0
14	A	1108	CLA	7	0
14	a	1136	CLA	4	0
14	a	1120	CLA	1	0
18	m	4021	BCR	5	0
21	H	6001	LMT	1	0
20	b	5002	LMG	5	0
14	b	1208	CLA	2	0
14	a	1135	CLA	2	0
14	B	1221	CLA	10	0
14	A	1127	CLA	1	0
14	G	1102	CLA	1	0
18	B	4010	BCR	2	0
18	a	4006	BCR	7	0
14	B	1203	CLA	4	0
14	B	1210	CLA	3	0
14	B	1240	CLA	1	0
14	A	1115	CLA	8	0
14	H	1212	CLA	1	0
14	G	1111	CLA	5	0
13	a	1011	CL0	6	0
14	U	1503	CLA	16	0
14	G	1107	CLA	1	0
18	a	4002	BCR	3	0
20	A	5003	LMG	3	0
14	G	1118	CLA	2	0
18	H	4005	BCR	3	0
14	B	1023	CLA	5	0
16	B	2002	PQN	3	0
21	H	6003	LMT	1	0
14	A	1101	CLA	1	0
14	b	1205	CLA	5	0
18	I	4018	BCR	4	0
20	H	5002	LMG	5	0
16	H	2002	PQN	3	0
14	H	1223	CLA	3	0
14	G	1113	CLA	11	0
14	a	1130	CLA	3	0
14	b	1222	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	1118	CLA	2	0
14	A	1116	CLA	6	0
21	b	6004	LMT	2	0
14	A	1013	CLA	2	0
19	l	5102	LHG	1	0
18	H	4010	BCR	2	0
18	G	4006	BCR	7	0
18	a	4004	BCR	3	0
20	I	5006	LMG	1	0
14	H	1227	CLA	5	0
14	l	1501	CLA	21	0
21	b	6002	LMT	1	0
14	B	1022	CLA	6	0
14	a	1124	CLA	3	0
14	G	1135	CLA	2	0
14	H	1231	CLA	2	0
18	H	4009	BCR	2	0
18	G	4005	BCR	1	0
14	H	1236	CLA	4	0
14	a	1127	CLA	2	0
14	a	1112	CLA	1	0
14	a	1118	CLA	2	0
14	G	1132	CLA	4	0
14	A	1113	CLA	12	0
14	G	1125	CLA	1	0
14	G	1134	CLA	3	0
14	b	1229	CLA	3	0
21	a	6003	LMT	1	0
14	b	1213	CLA	2	0
14	G	1136	CLA	3	0
14	a	1106	CLA	4	0
14	a	1126	CLA	4	0
14	H	1204	CLA	4	0
18	M	4021	BCR	4	0
18	b	4010	BCR	1	0
14	M	1501	CLA	5	0
14	a	1012	CLA	4	0
14	a	1117	CLA	1	0
21	l	6002	LMT	2	0
15	H	1219	F6C	6	0
14	H	1226	CLA	3	0
19	l	5101	LHG	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	1235	CLA	4	0
19	A	5001	LHG	3	0
18	A	4003	BCR	2	0
14	H	1211	CLA	3	0
14	G	1108	CLA	8	0
14	a	1133	CLA	1	0
21	L	6002	LMT	2	0
21	B	6004	LMT	2	0
15	G	1121	F6C	2	0
14	B	1204	CLA	4	0
14	G	1105	CLA	1	0
21	U	6002	LMT	2	0
14	A	1125	CLA	2	0
21	L	6101	LMT	1	0
14	B	1206	CLA	7	0
14	b	1227	CLA	5	0
14	L	1501	CLA	21	0
14	G	1103	CLA	5	0
14	a	1111	CLA	5	0
18	H	4004	BCR	3	0
14	K	1401	CLA	4	0
14	H	1205	CLA	5	0
14	H	1225	CLA	5	0
14	b	1223	CLA	3	0
14	A	1126	CLA	6	0
14	b	1211	CLA	4	0
14	a	1125	CLA	2	0
21	U	6001	LMT	1	0
18	l	4022	BCR	2	0
14	A	1140	CLA	1	0
18	H	4014	BCR	3	0
14	A	1122	CLA	3	0
21	H	6004	LMT	2	0
14	A	1105	CLA	1	0
21	R	6001	LMT	3	0
14	a	1134	CLA	3	0
15	A	1121	F6C	2	0
18	i	4020	BCR	4	0
14	G	1124	CLA	3	0
14	a	1128	CLA	2	0
14	G	1130	CLA	3	0
14	H	1210	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	1225	CLA	5	0
14	G	1116	CLA	5	0
14	H	1240	CLA	2	0
14	a	1113	CLA	11	0
18	R	4020	BCR	5	0
14	b	1212	CLA	1	0
21	A	6003	LMT	1	0
18	b	4014	BCR	3	0
14	A	1102	CLA	1	0
18	a	4001	BCR	1	0
14	b	1201	CLA	6	0
14	H	1221	CLA	10	0
21	l	6101	LMT	1	0
14	T	1401	CLA	4	0
14	G	1117	CLA	2	0
14	L	1503	CLA	16	0
15	a	1121	F6C	2	0
18	b	4017	BCR	2	0
14	H	1232	CLA	1	0
18	G	4004	BCR	3	0
18	A	4006	BCR	7	0
14	a	1119	CLA	2	0
14	b	1210	CLA	3	0
18	l	4019	BCR	2	0
14	l	1503	CLA	16	0
14	b	1240	CLA	1	0
14	H	1214	CLA	4	0
14	H	1209	CLA	1	0
14	B	1229	CLA	5	0
14	B	1223	CLA	3	0
14	A	1109	CLA	5	0
14	B	1217	CLA	3	0
14	H	1229	CLA	4	0
14	a	1013	CLA	2	0
14	a	1115	CLA	8	0
14	G	1013	CLA	3	0
14	a	1108	CLA	8	0
18	H	4017	BCR	3	0
20	B	5002	LMG	5	0
14	U	1502	CLA	3	0
14	A	1107	CLA	1	0
14	G	1131	CLA	3	0

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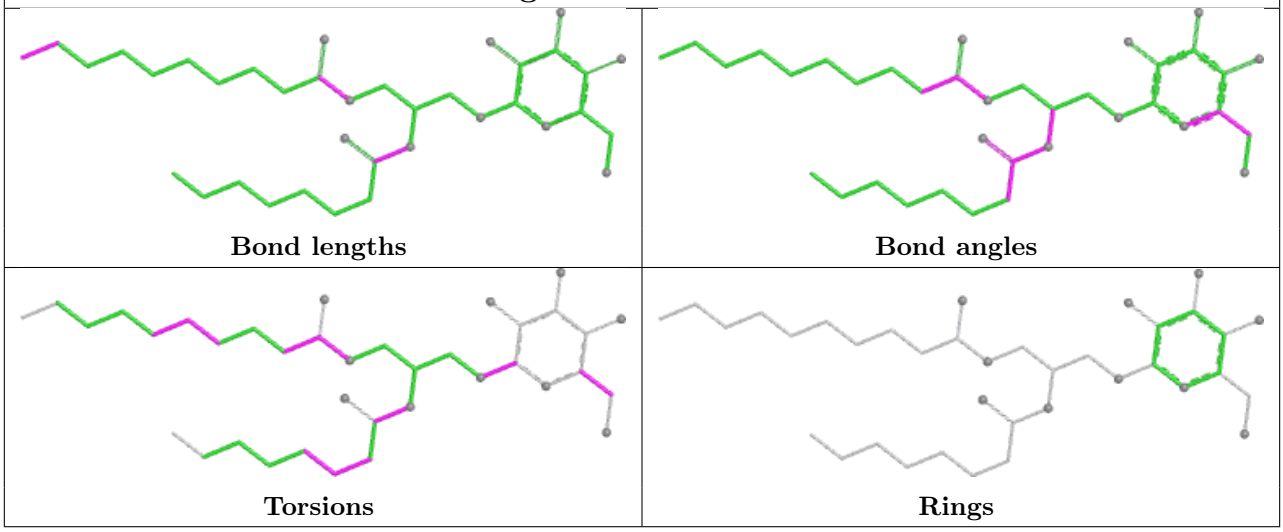
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	a	1131	CLA	3	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

Ligand LMG i 5006



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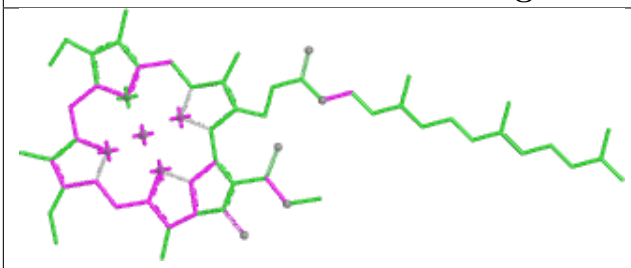
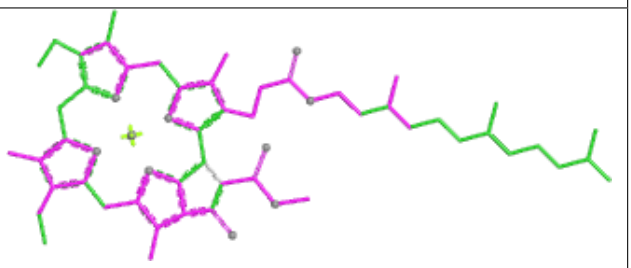
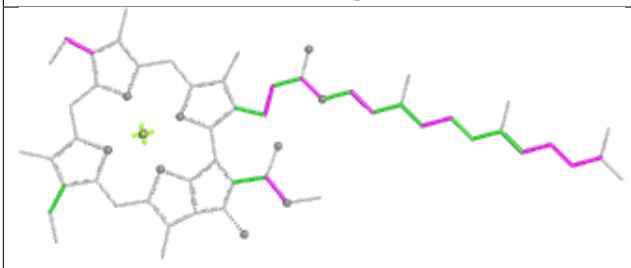
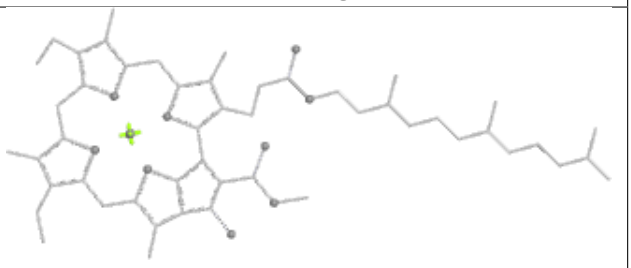
	
Bond lengths	Bond angles
	
Torsions	Rings

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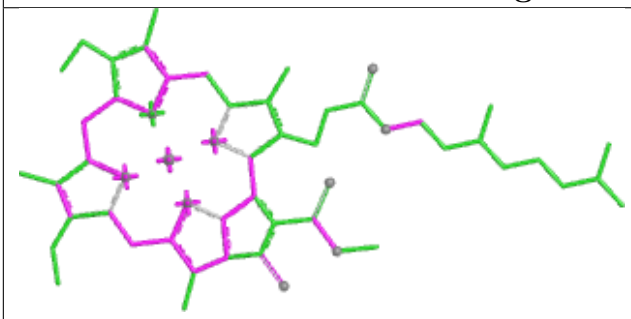
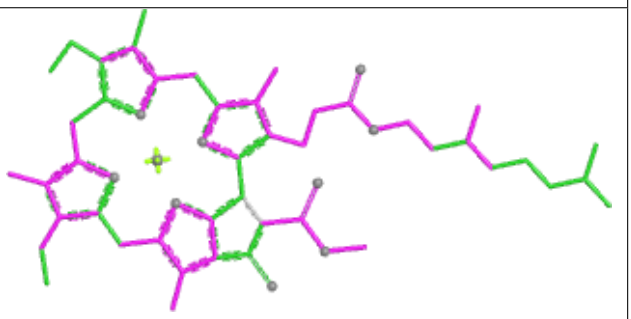
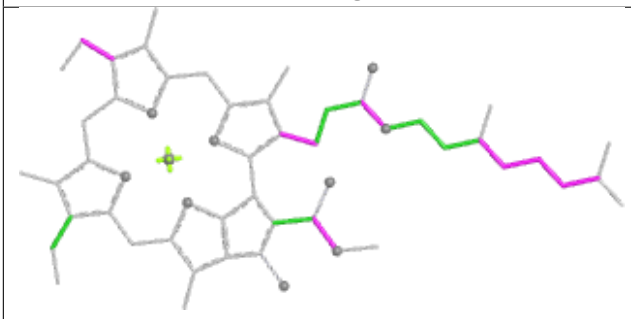
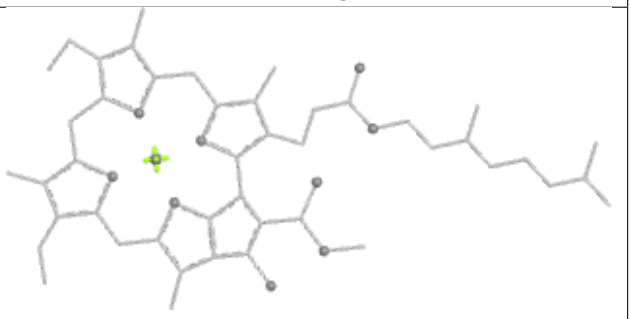
	
Bond lengths	Bond angles
	
Torsions	Rings

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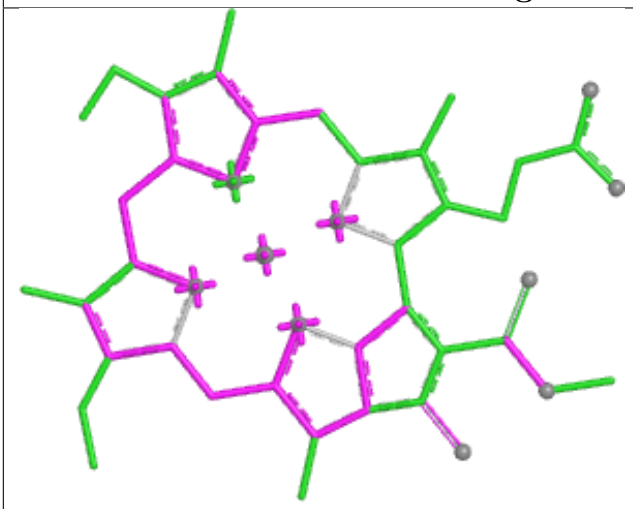

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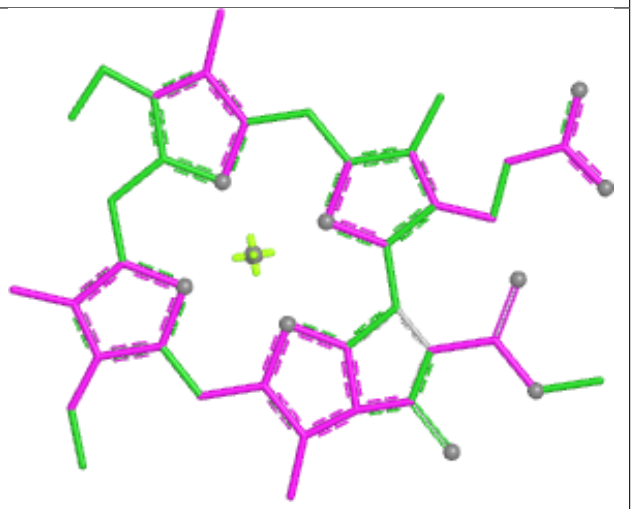

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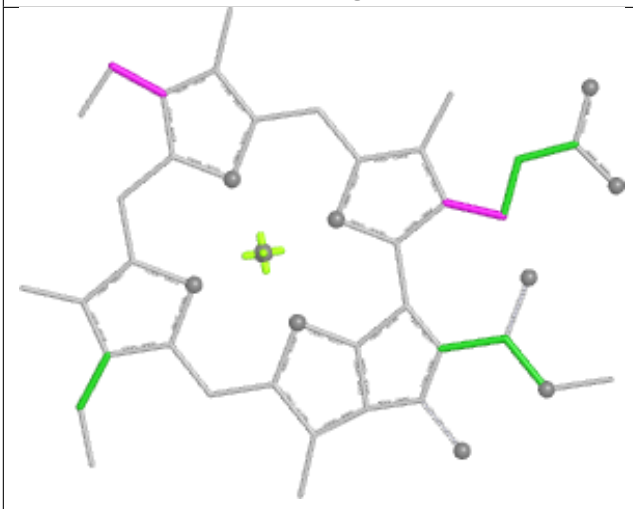
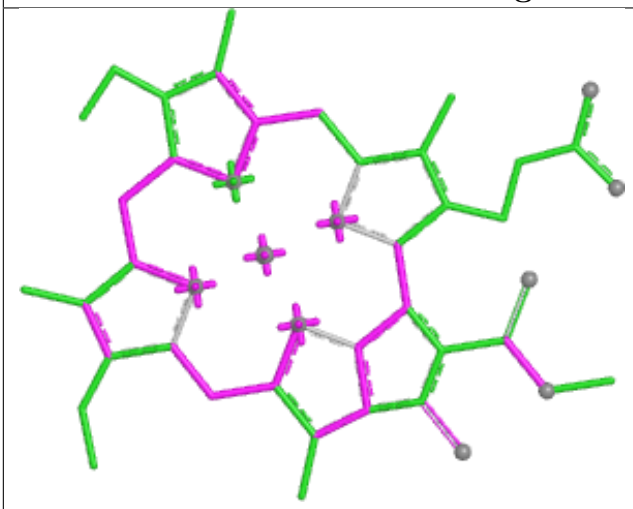


Torsions

Rings

Ligand CLA A 1120



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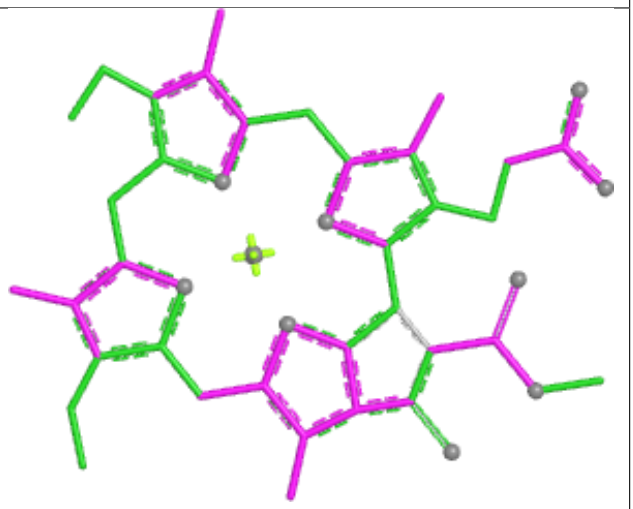

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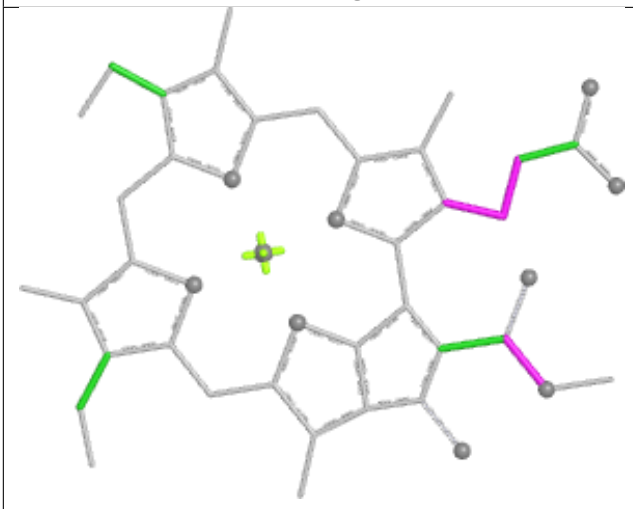

Torsions

Rings

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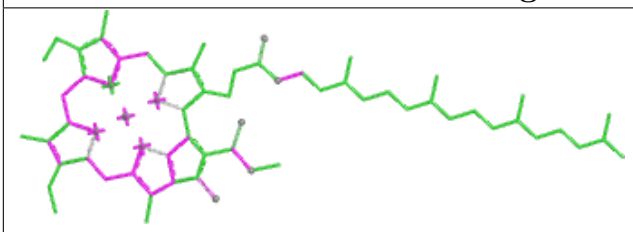

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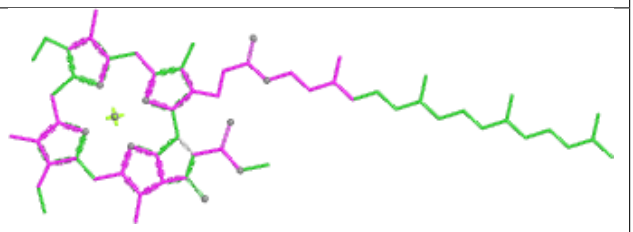

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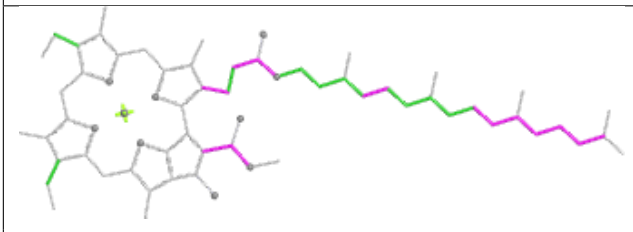
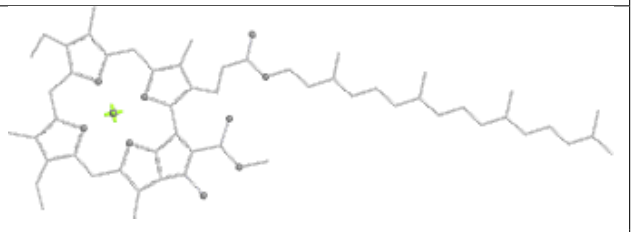
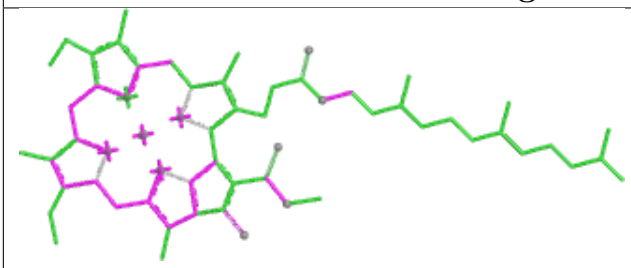
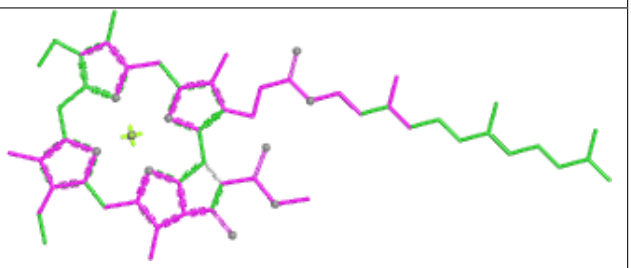
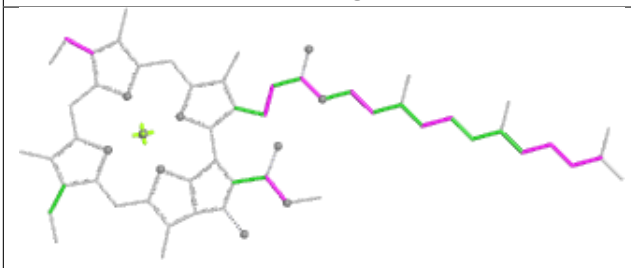
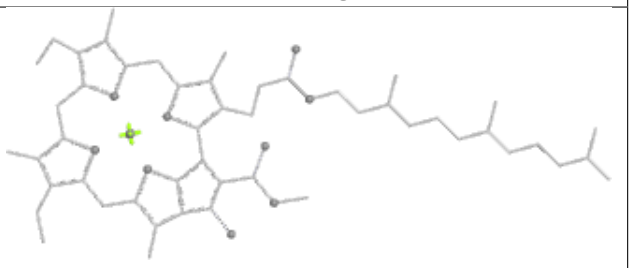
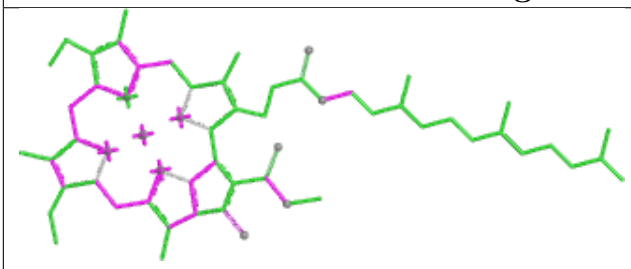
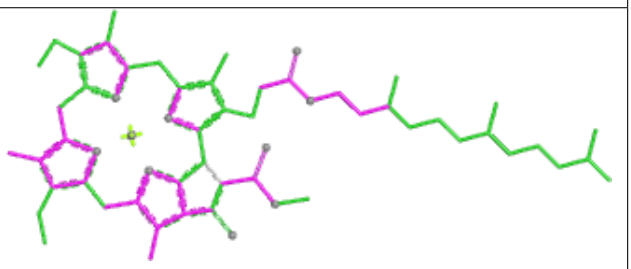


Torsions



Rings

Ligand CLA b 1214	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA G 1133	
	
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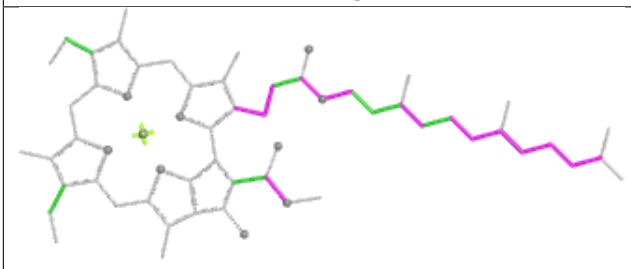
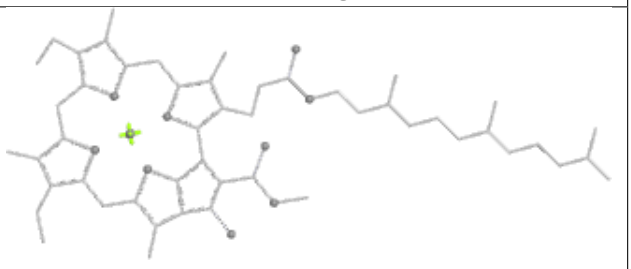
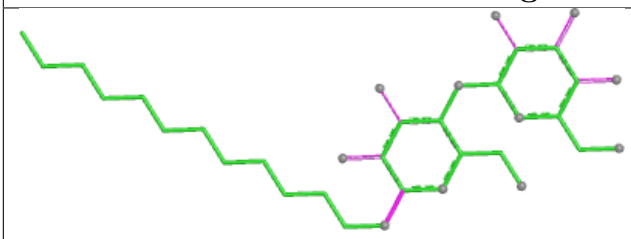
	
Torsions	Rings

Ligand LMT i 6001



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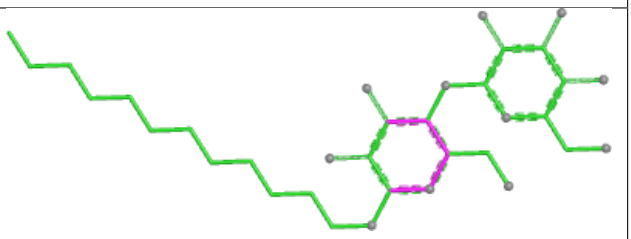

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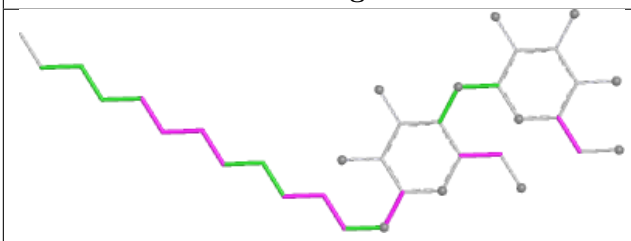
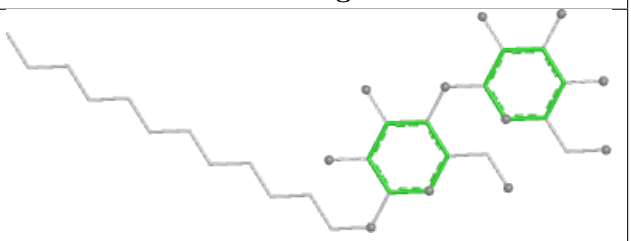
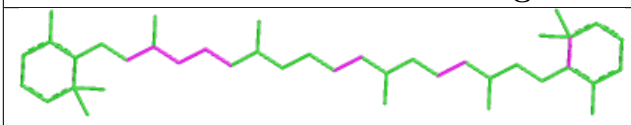


Torsions



Rings

Ligand BCR B 4014



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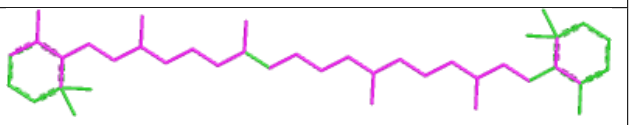
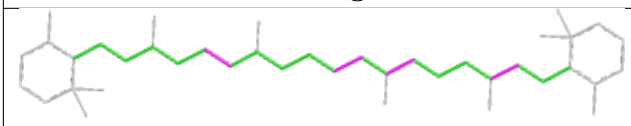
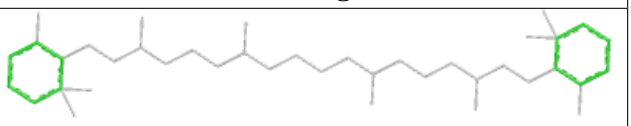


Bond angles



Torsions



Rings

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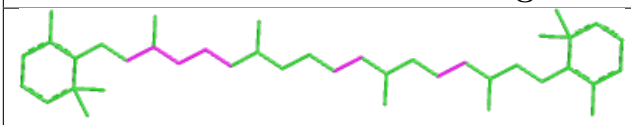

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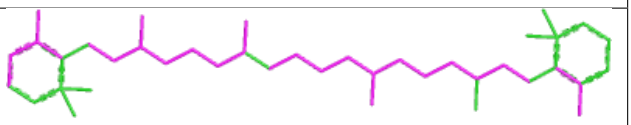

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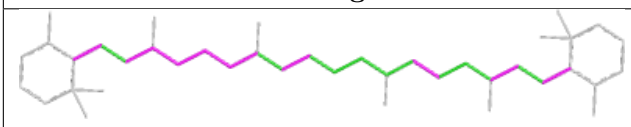
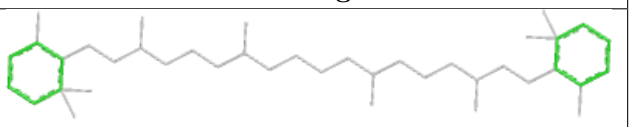
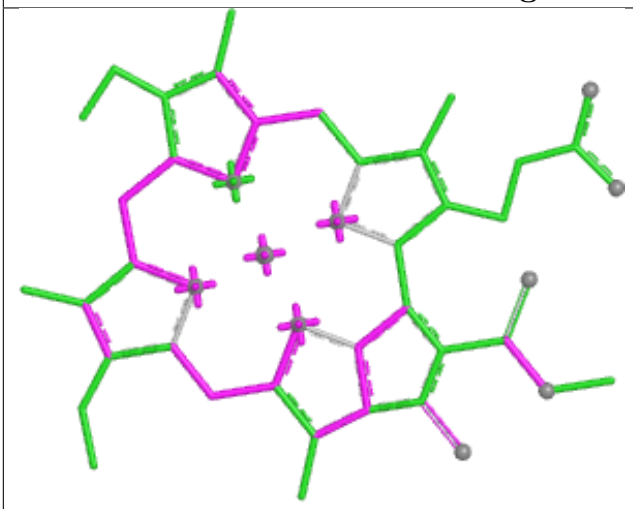


Torsions



Rings

Ligand CLA a 1107



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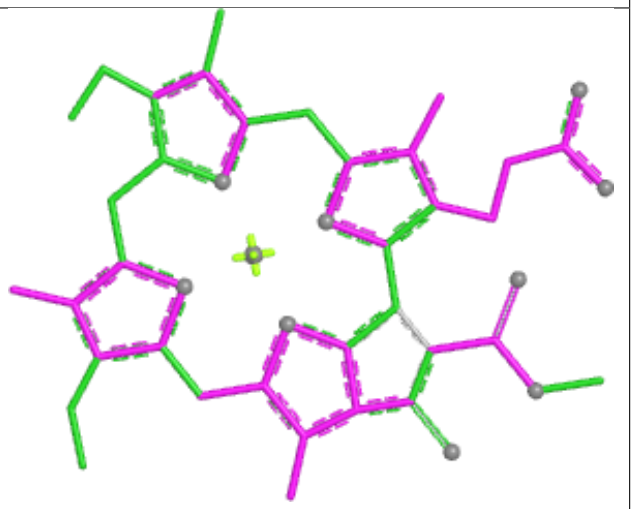

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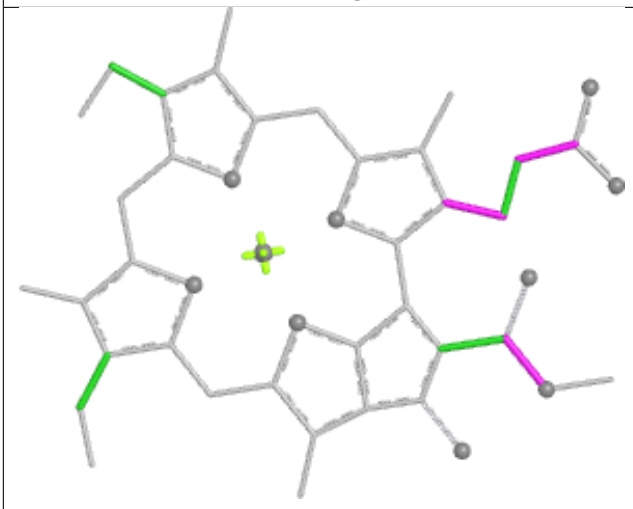
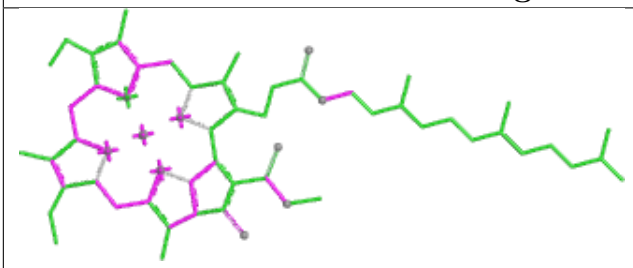


Torsions

Rings

Ligand CLA G 1123



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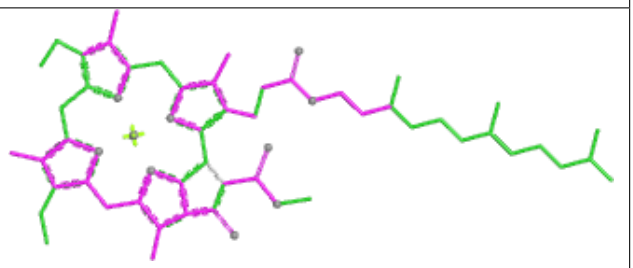

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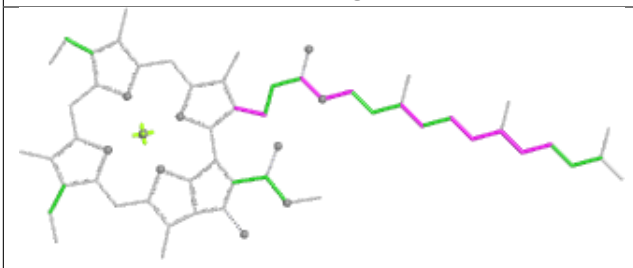
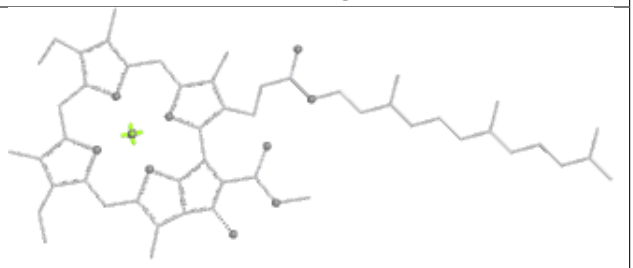
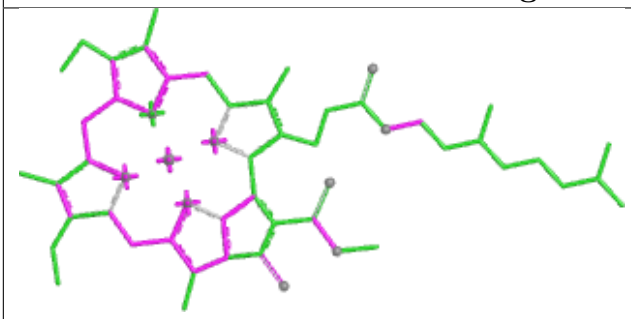


Torsions

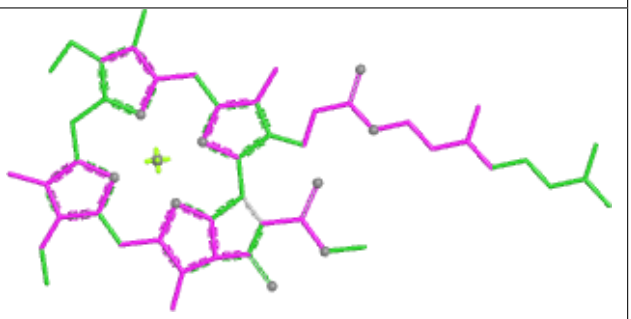


Rings

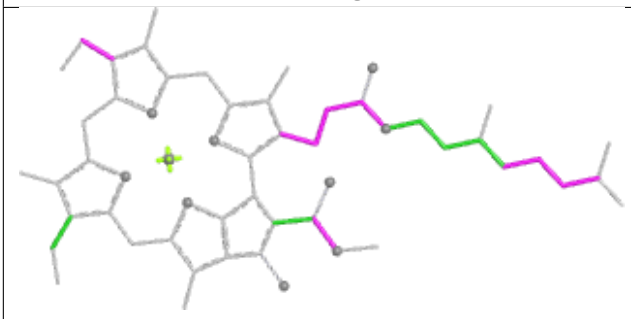
Ligand CLA a 1116



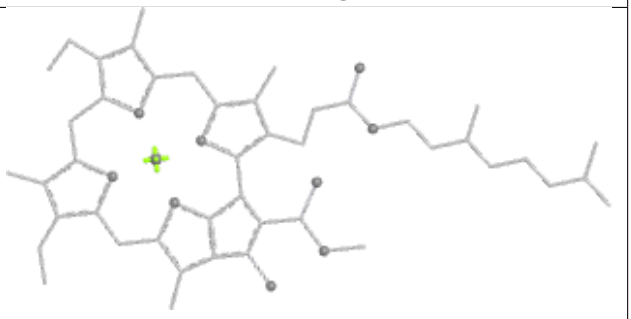
Bond lengths



Bond angles

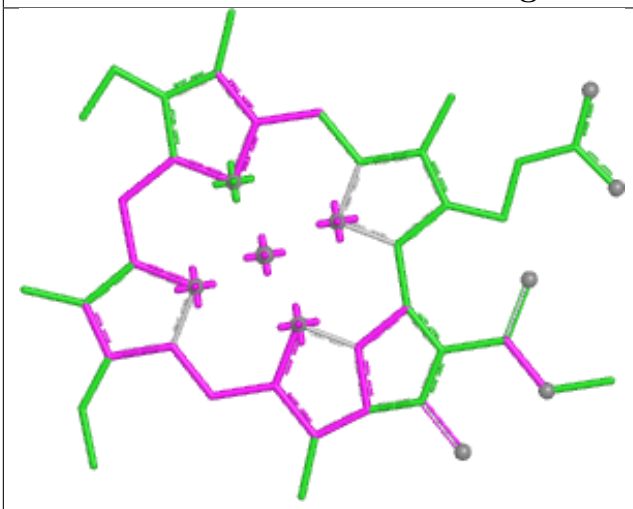


Torsions

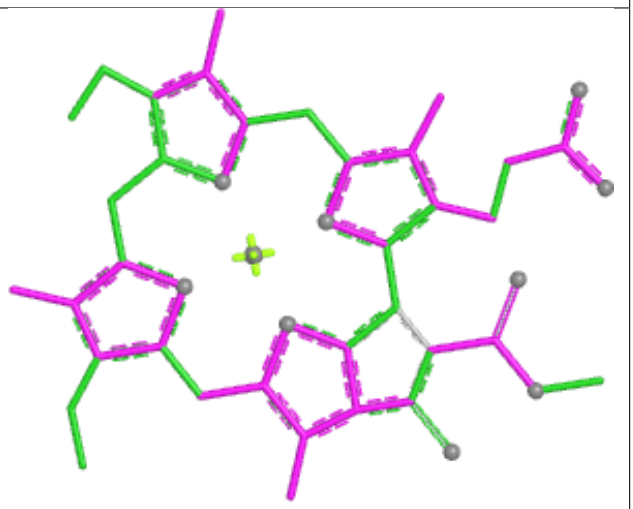


Rings

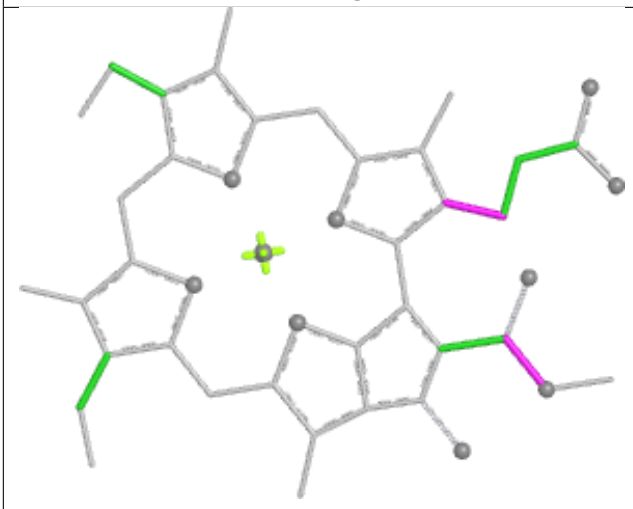
Ligand CLA a 1105



Bond lengths



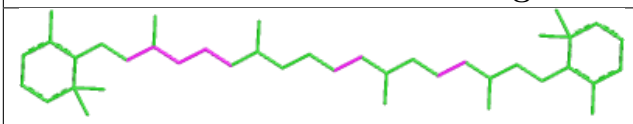
Bond angles



Torsions

Rings

Ligand BCR V 4021



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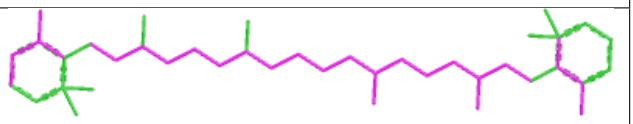
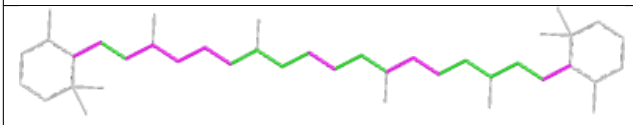
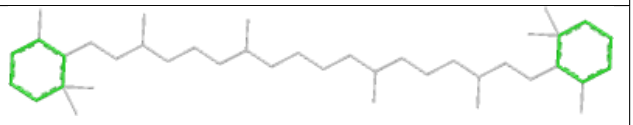


Bond angles

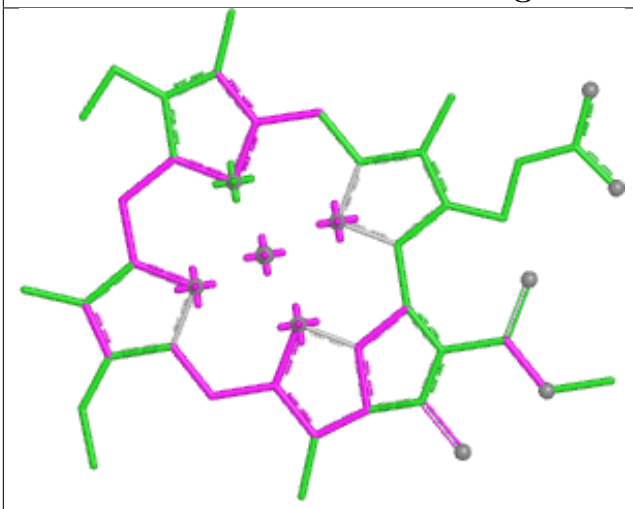


Torsions

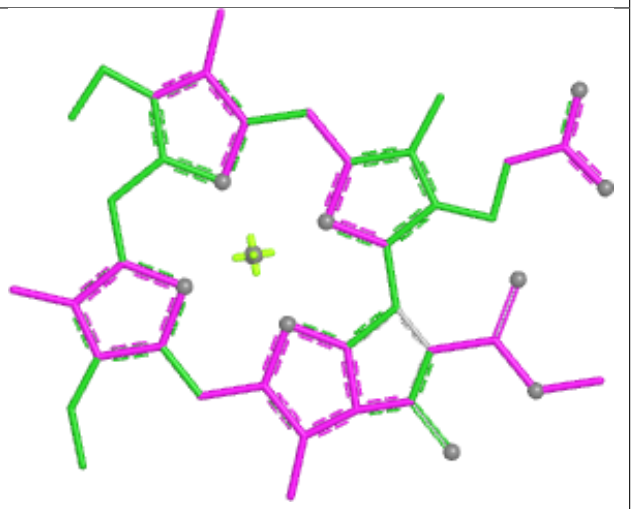


Rings

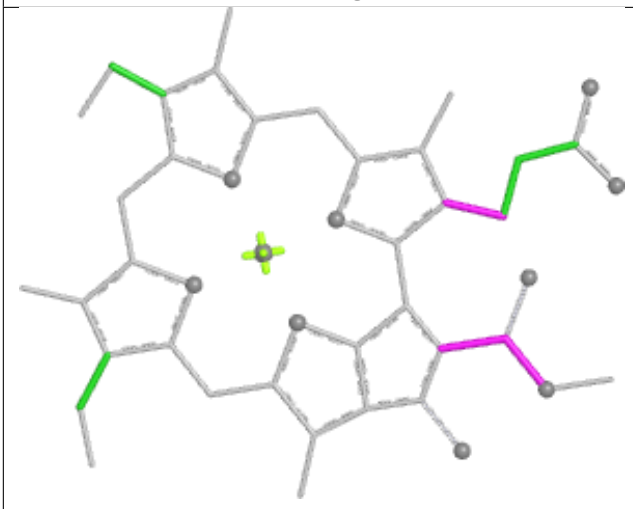
Ligand CLA H 1218



Bond lengths



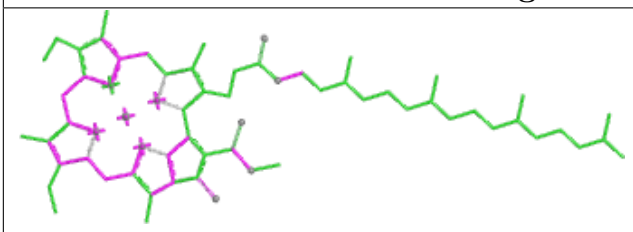
Bond angles



Torsions

Rings

Ligand CLA b 1204



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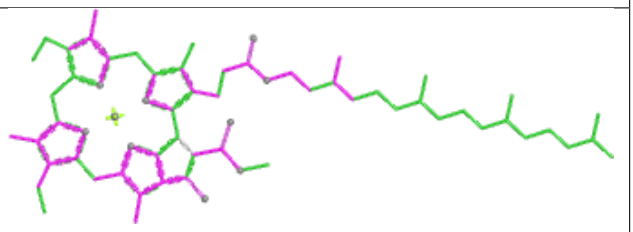
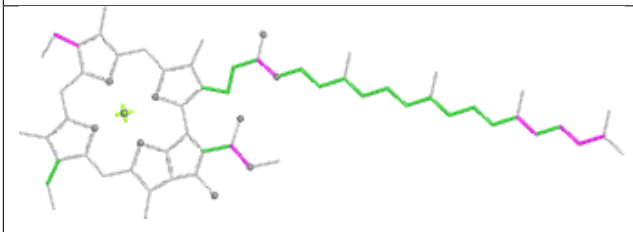
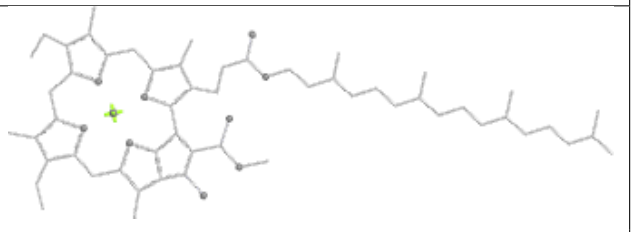


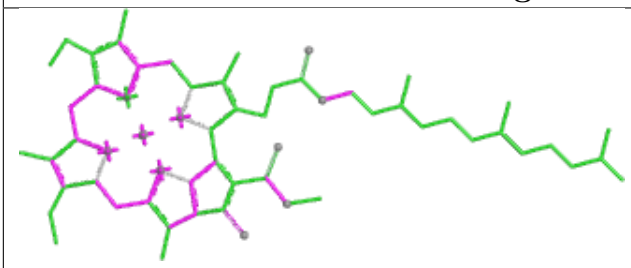
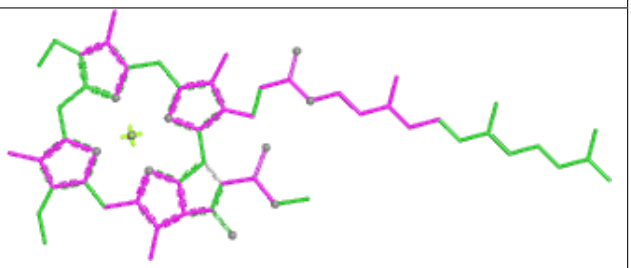
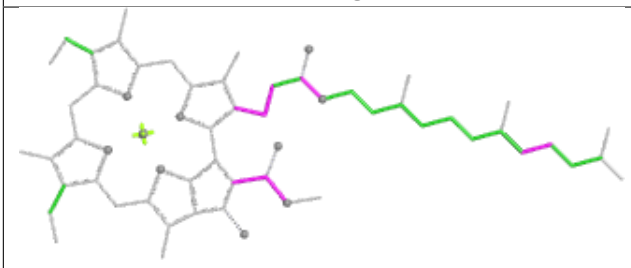
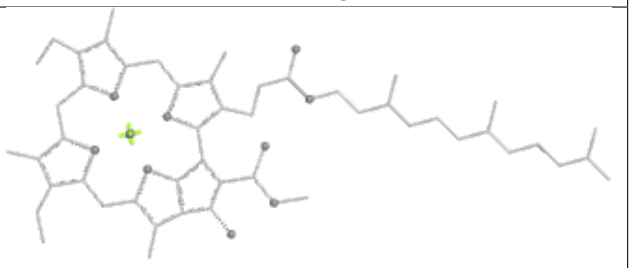
Bond angles

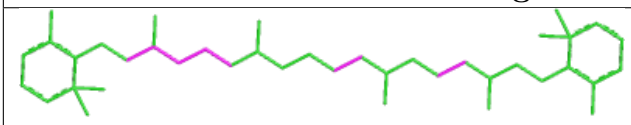
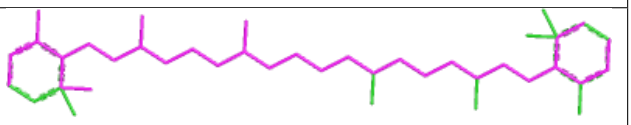
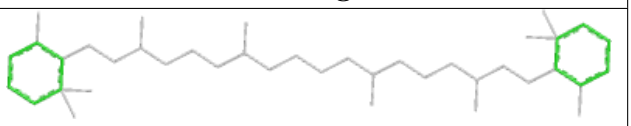


Torsions

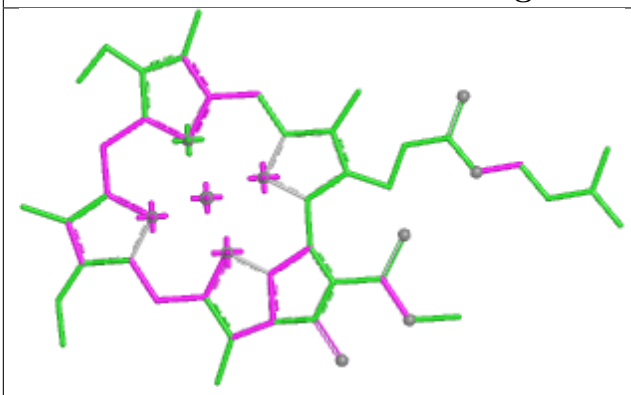


Rings

Ligand CLA G 1106	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR U 4019	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1137



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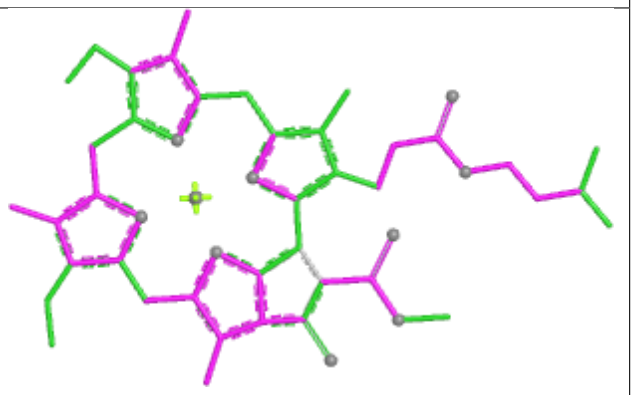
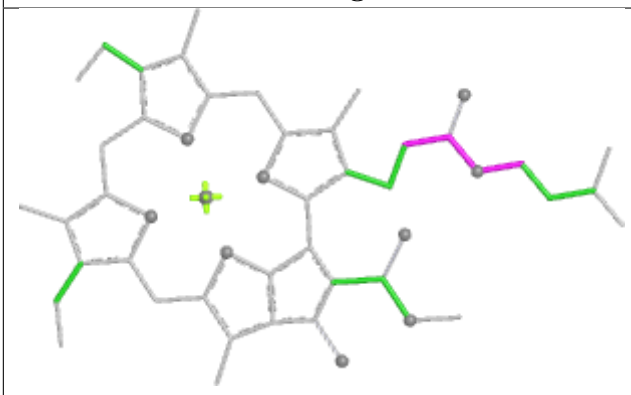
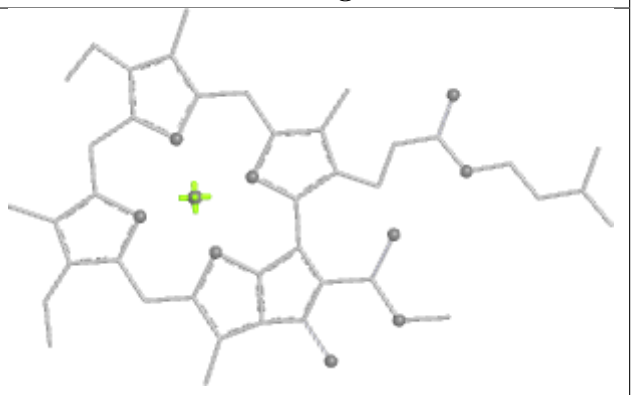


Bond angles

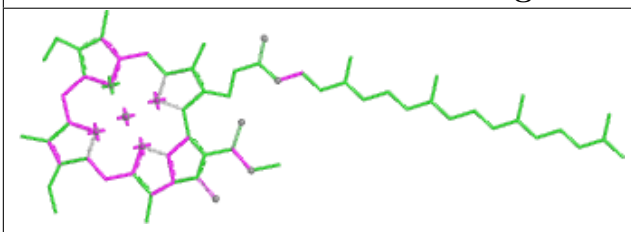


Torsions

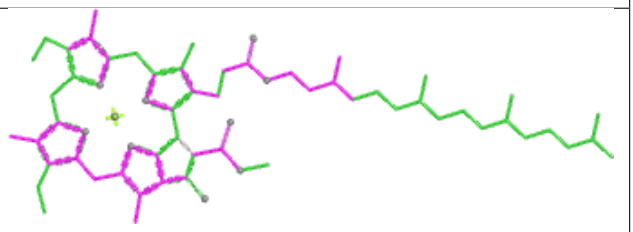


Rings

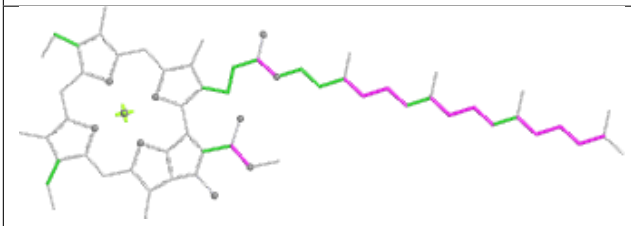
Ligand CLA A 1104



Bond lengths



Bond angles



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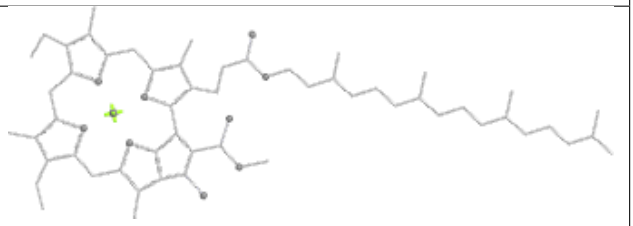
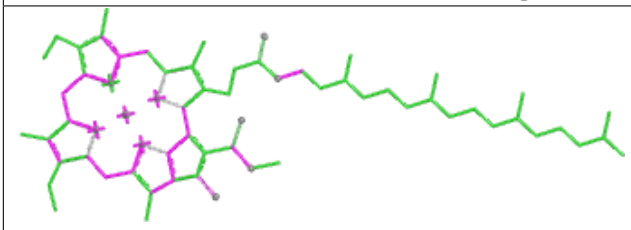


Rings

Ligand CLA B 1222



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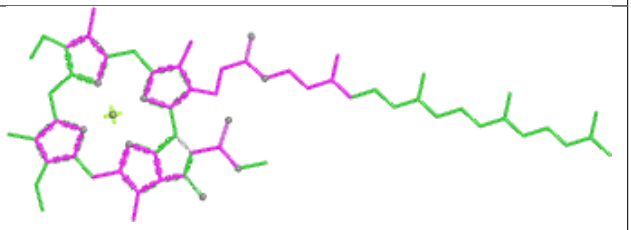
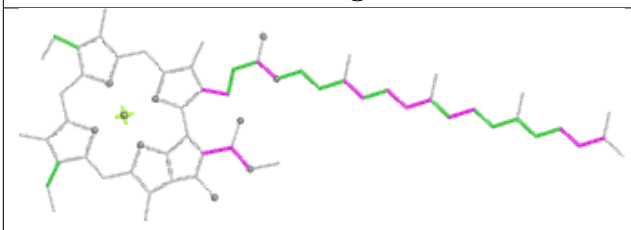
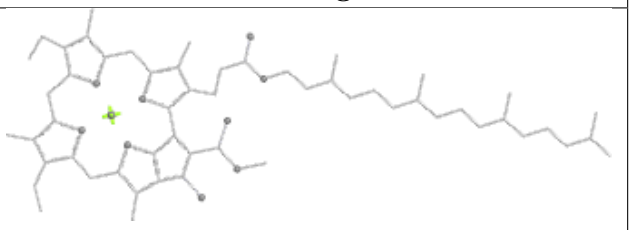


Bond angles

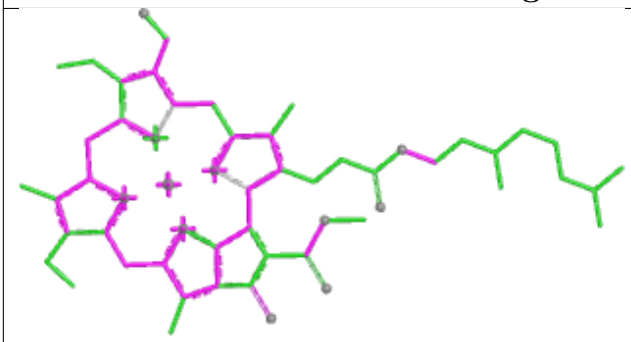


Torsions

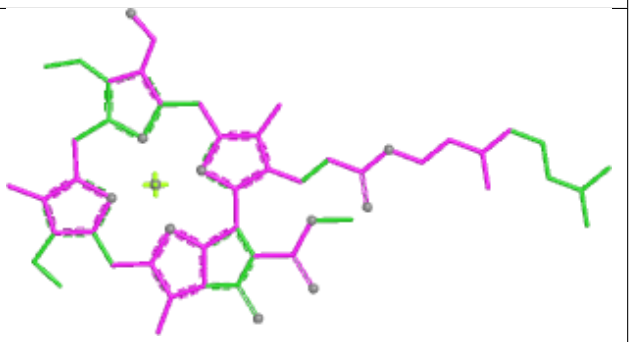


Rings

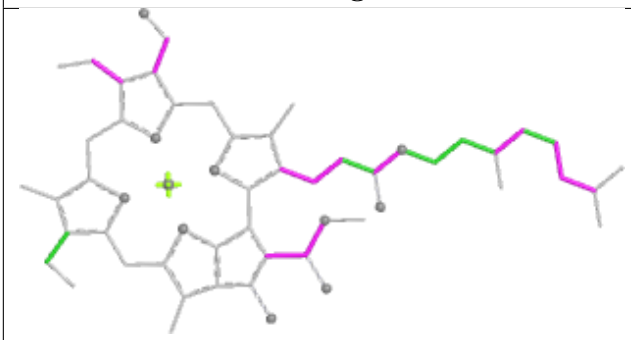
Ligand F6C b 1219



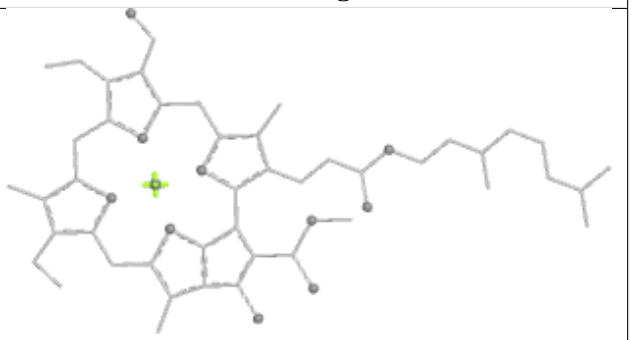
Bond lengths



Bond angles

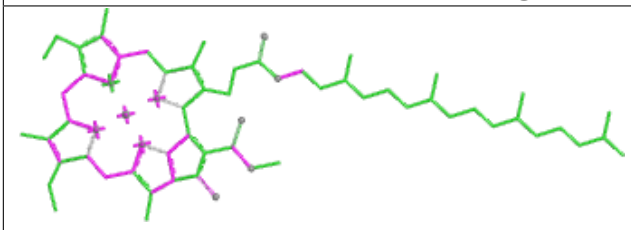


Torsions



Rings

Ligand CLA B 1205



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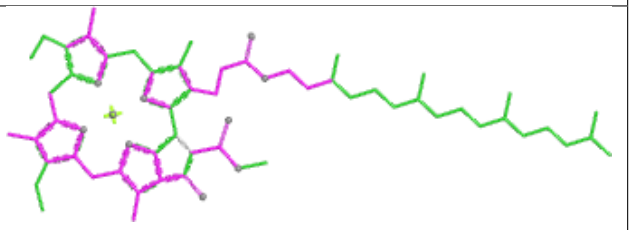
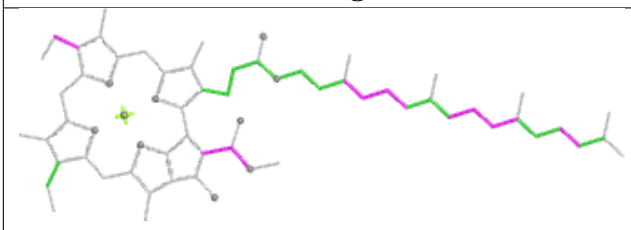
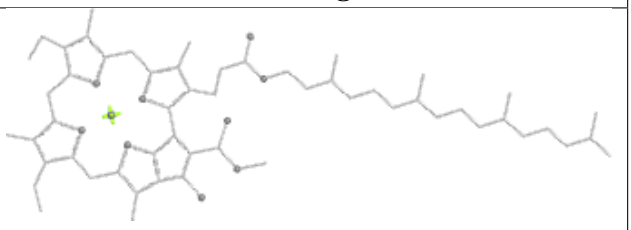


Bond angles

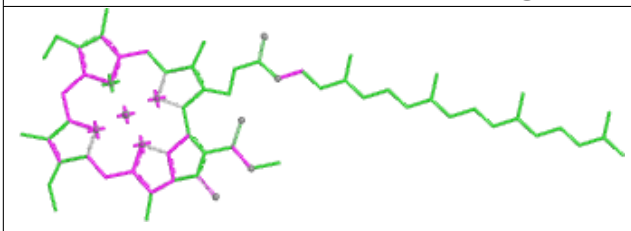


Torsions

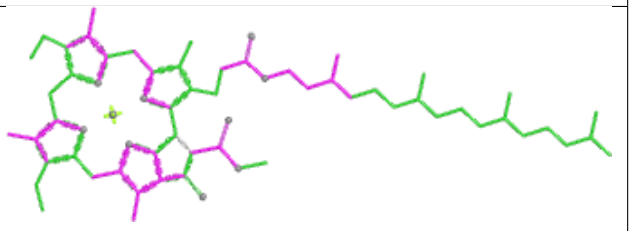


Rings

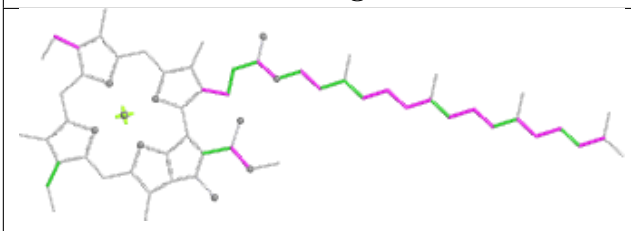
Ligand CLA b 1231



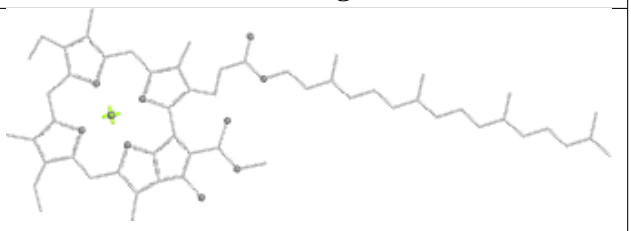
Bond lengths



Bond angles

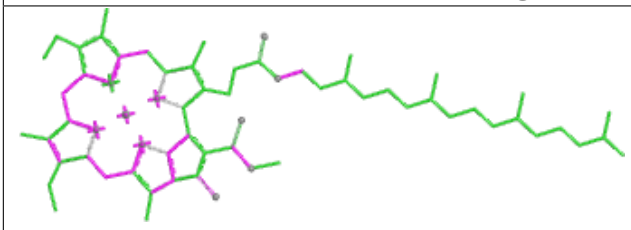


Torsions

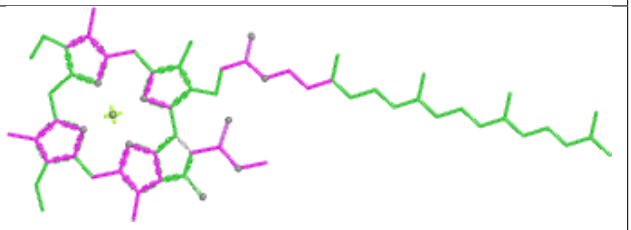


Rings

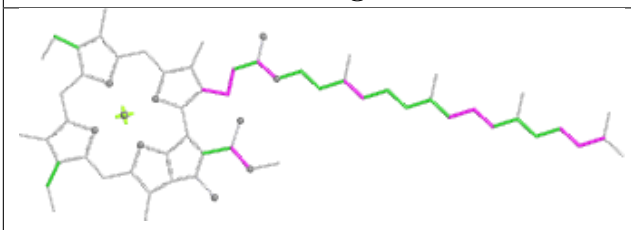
Ligand CLA G 1119



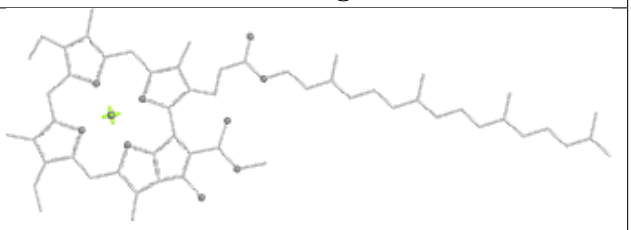
Bond lengths



Bond angles

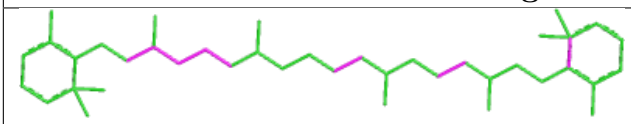


Torsions

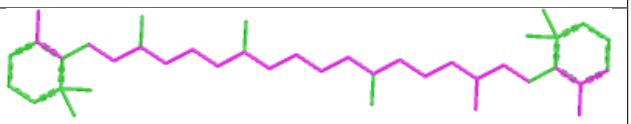


Rings

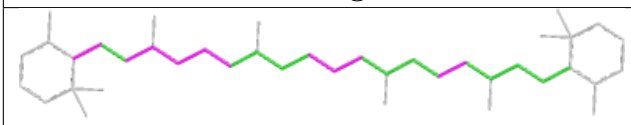
Ligand BCR i 4018



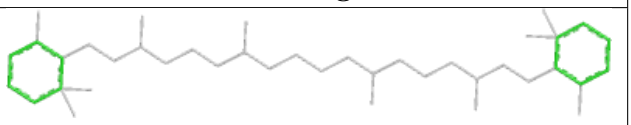
Bond lengths



Bond angles

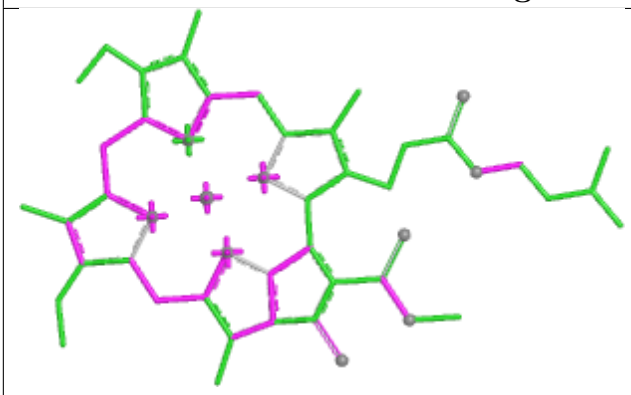


Torsions

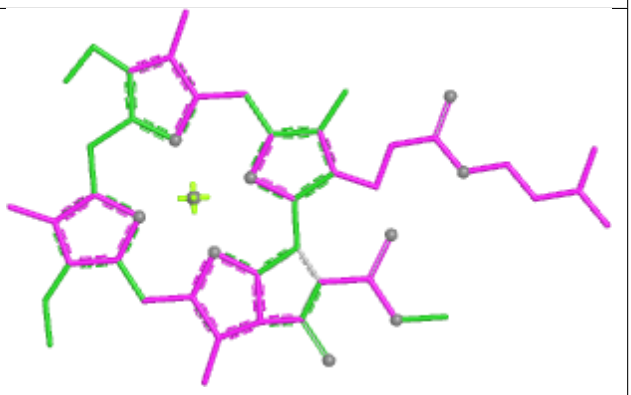


Rings

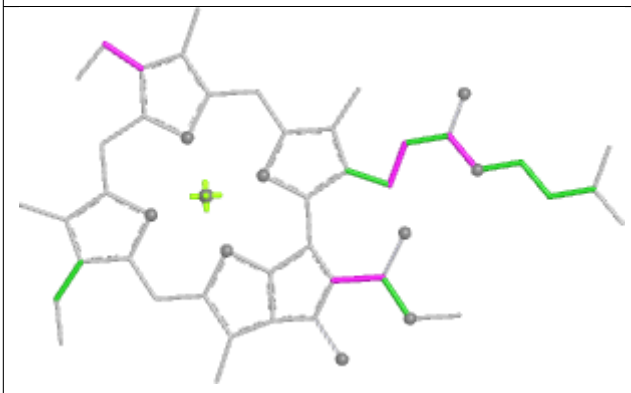
Ligand CLA G 1129



Bond lengths



Bond angles



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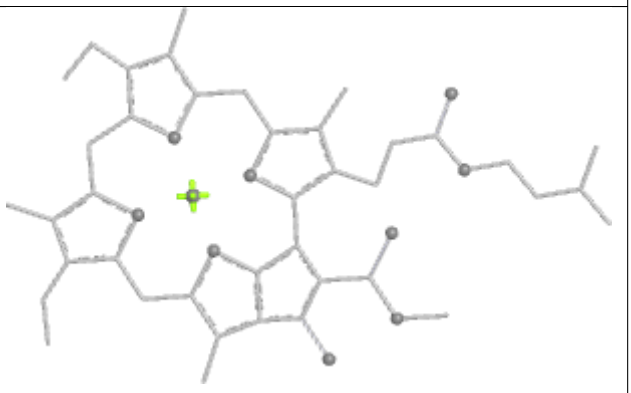
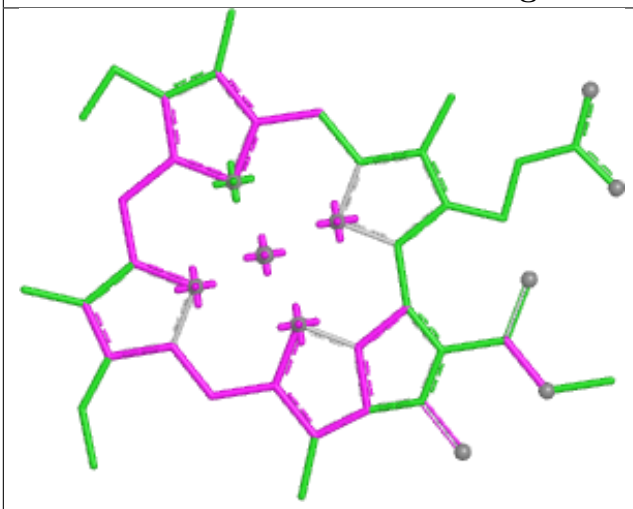


Rings

Ligand CLA a 1101



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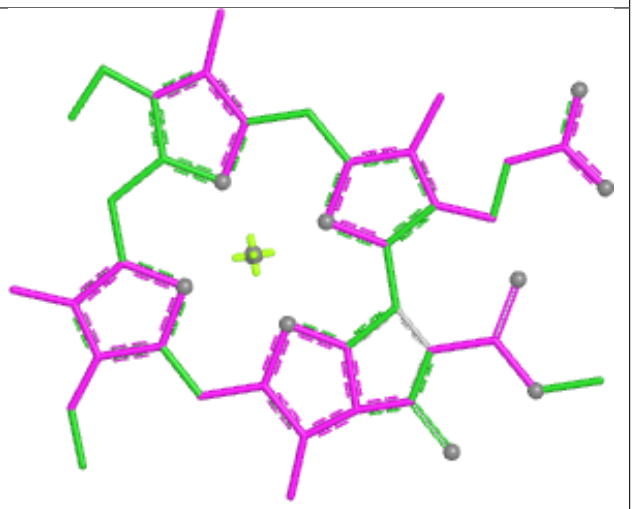
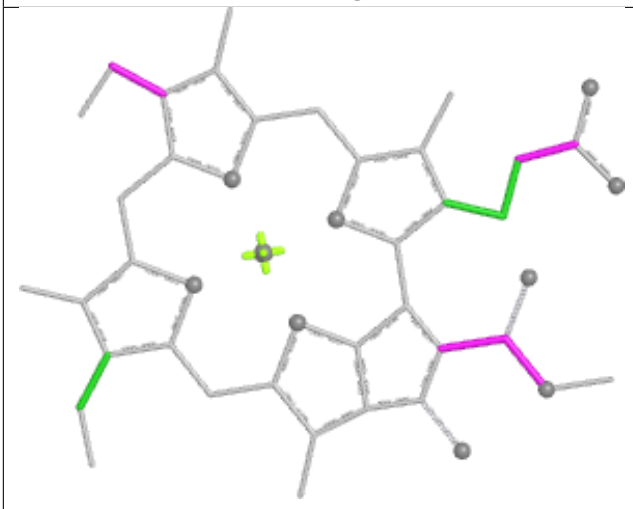


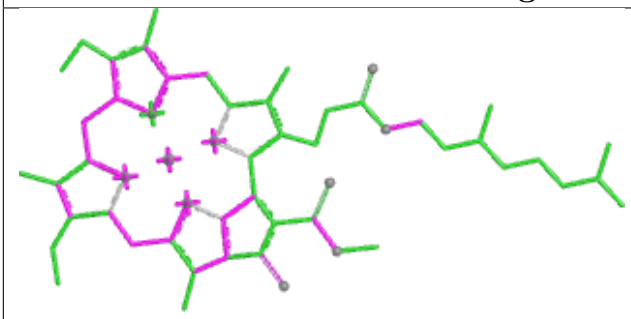
Bond angles



Torsions

Rings

Ligand CLA b 1236



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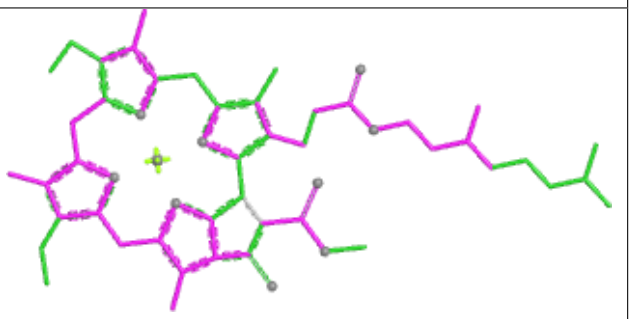
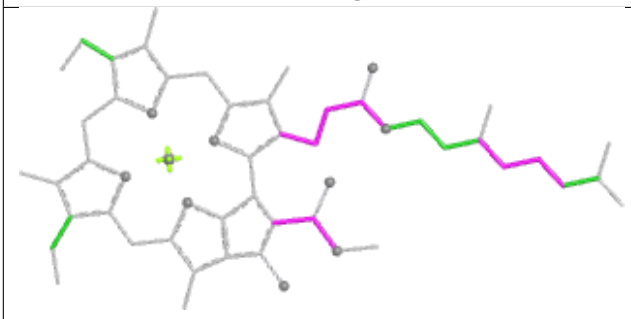
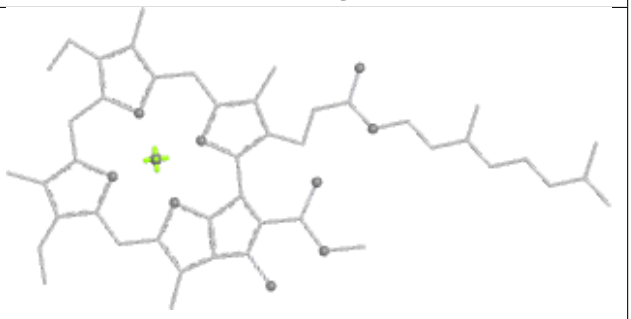


Bond angles

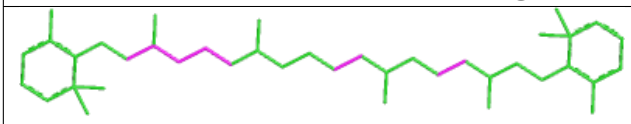


Torsions

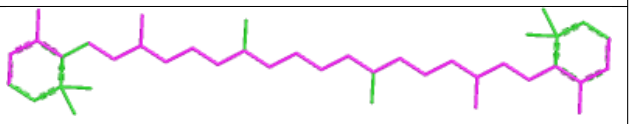


Rings

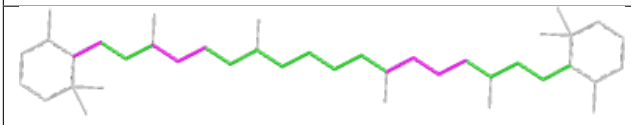
Ligand BCR G 4003



Bond lengths



Bond angles



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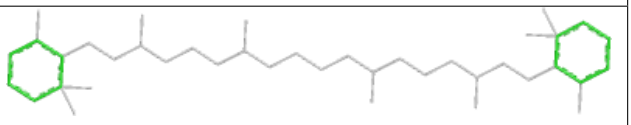
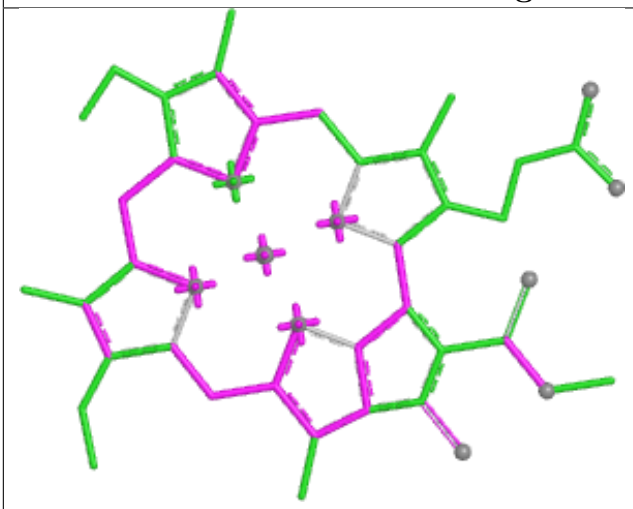


Rings

Ligand CLA B 1212



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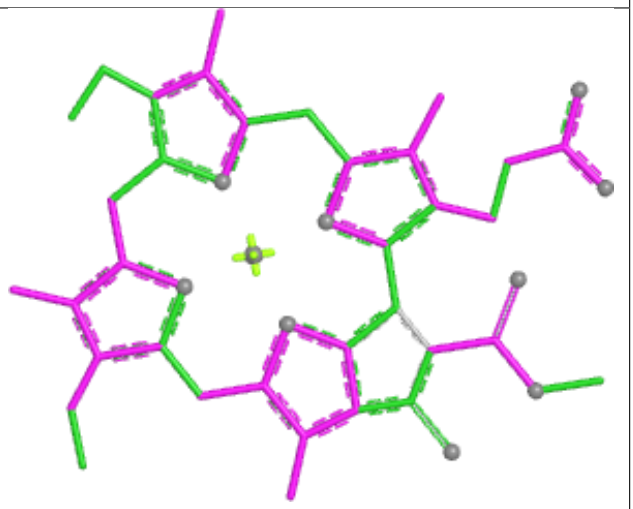
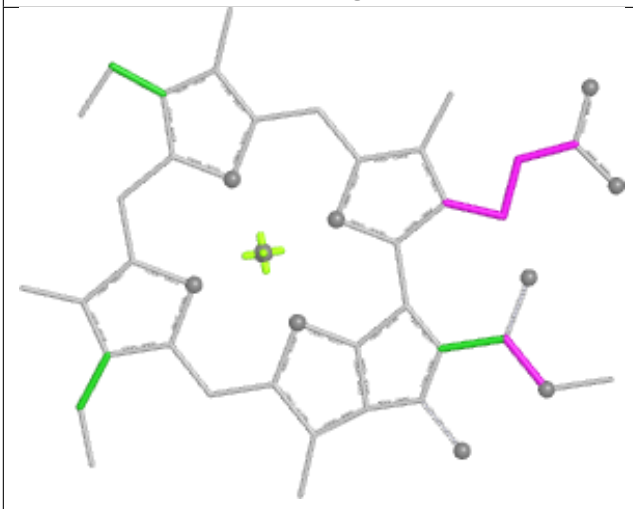


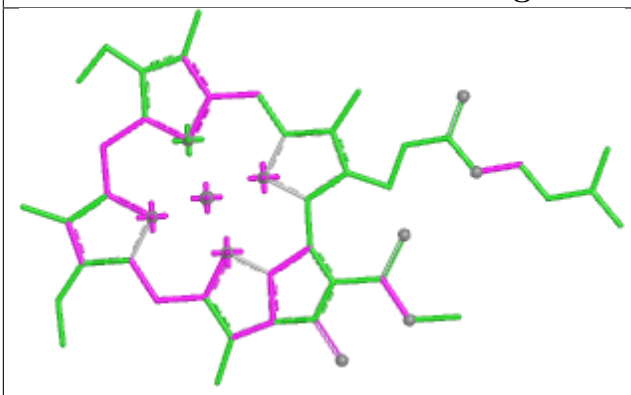
Bond angles



Torsions

Rings

Ligand CLA m 1501



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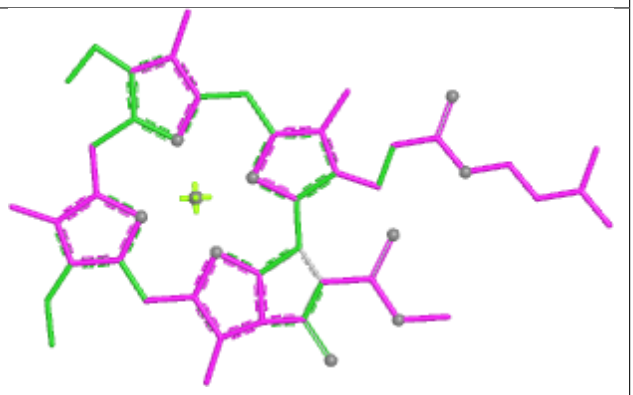
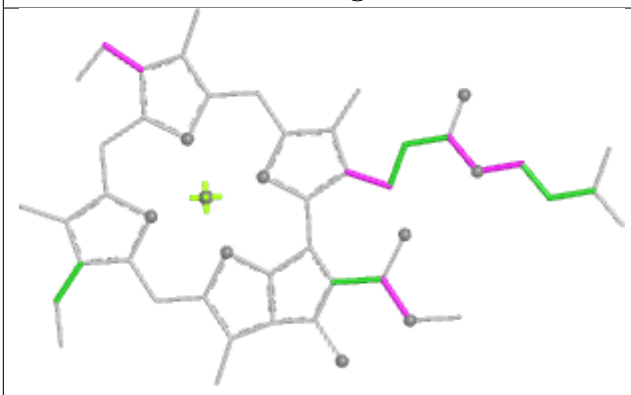
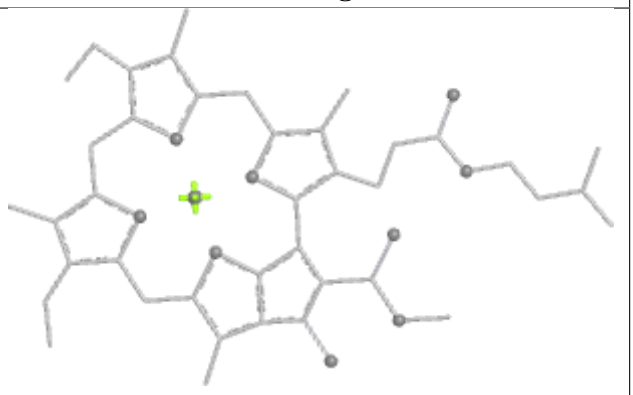


Bond angles

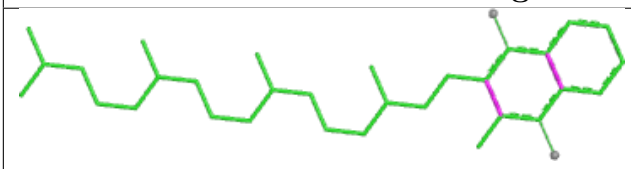


Torsions



Rings

Ligand PQN G 2001



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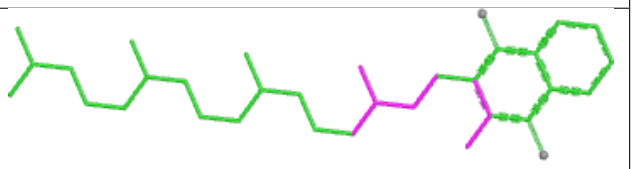
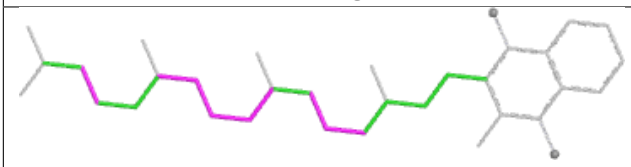


Bond angles



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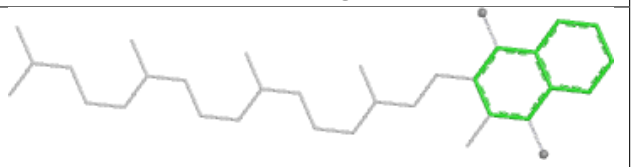
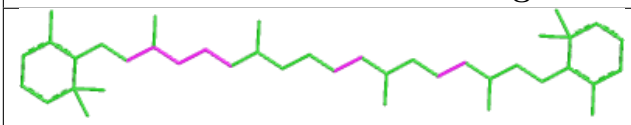


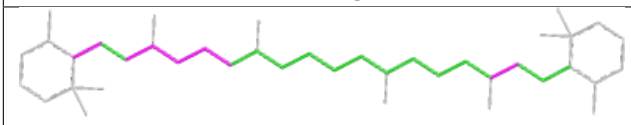
Rings

Ligand BCR A 4005



Bond lengths

Bond angles



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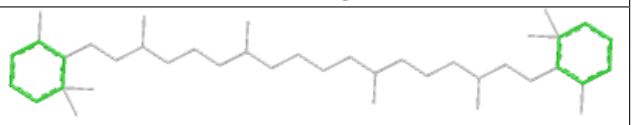
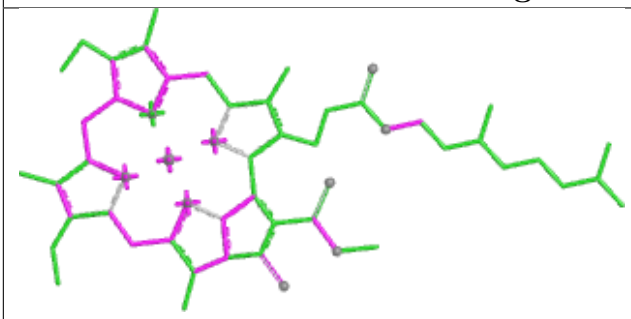


Rings

Ligand CLA G 1140



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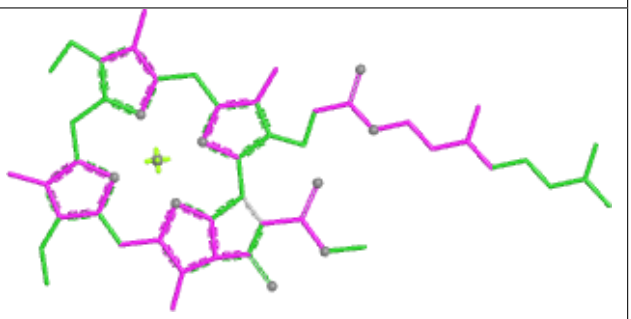
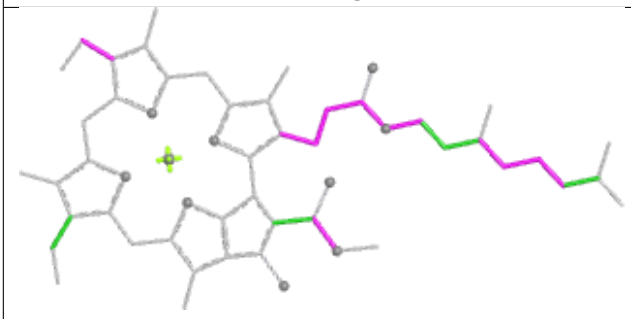


Bond angles



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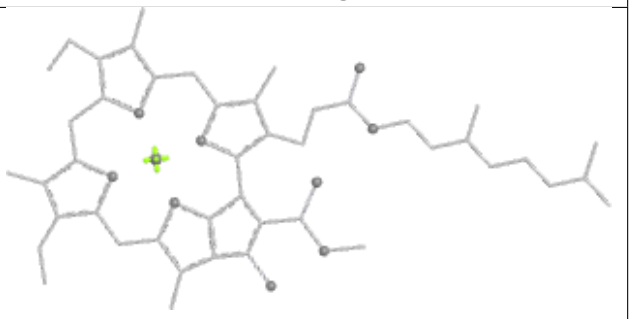
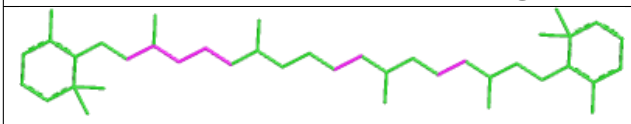


Rings

Ligand BCR B 4004



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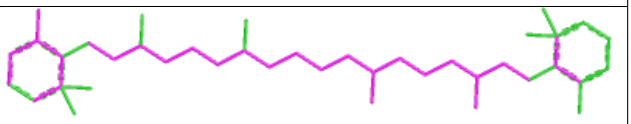
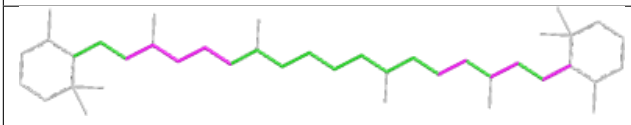


Bond angles



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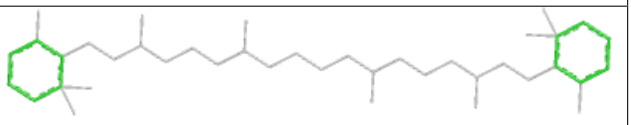
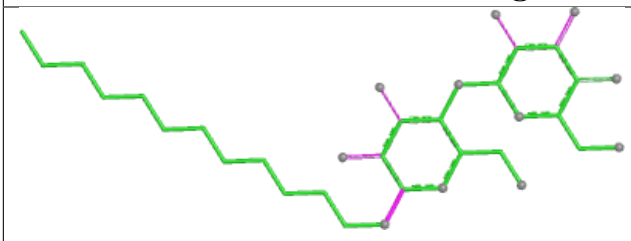


Rings

Ligand LMT U 6101



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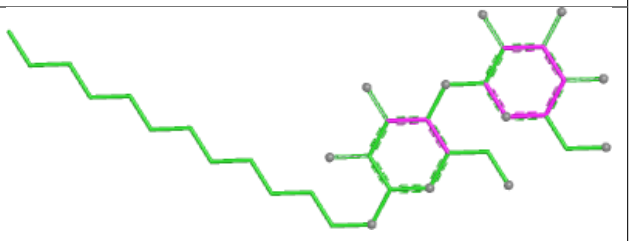
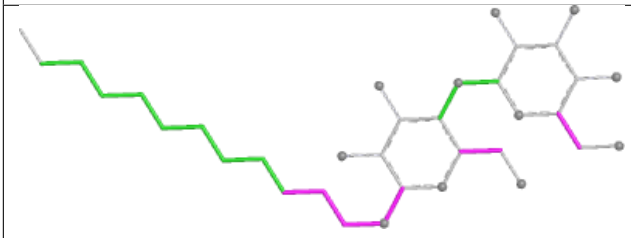
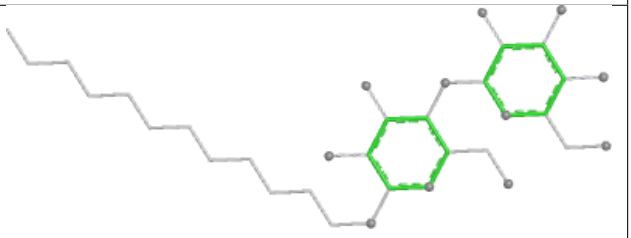


Bond angles

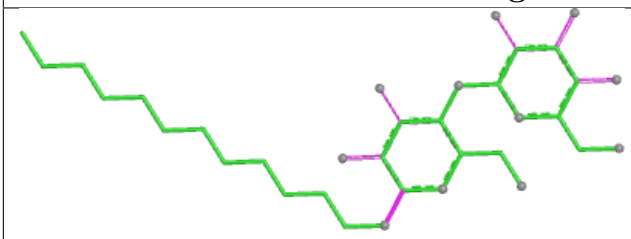


Torsions

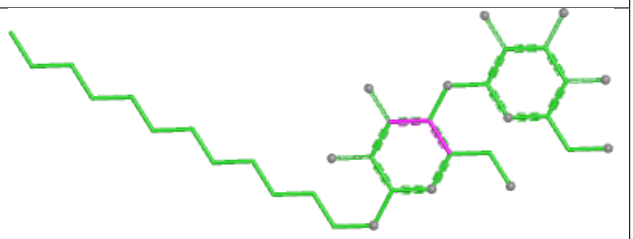


Rings

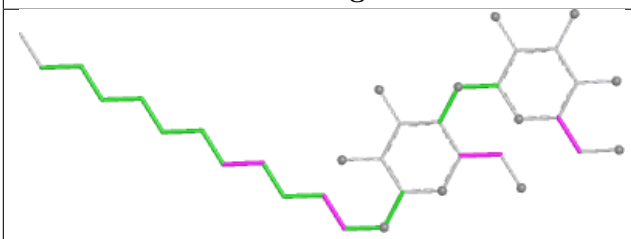
Ligand LMT M 6000



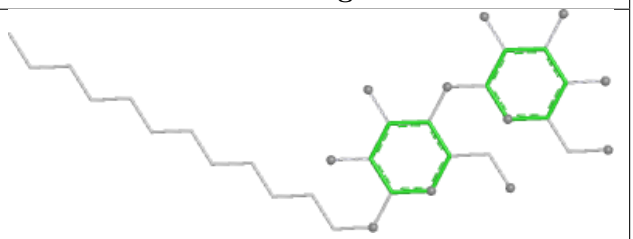
Bond lengths



Bond angles

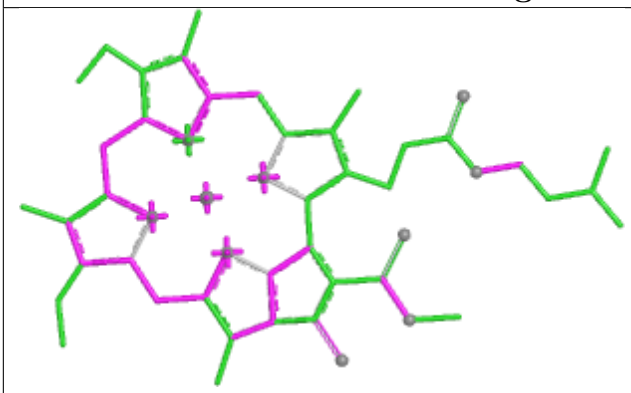


Torsions



Rings

Ligand CLA A 1135



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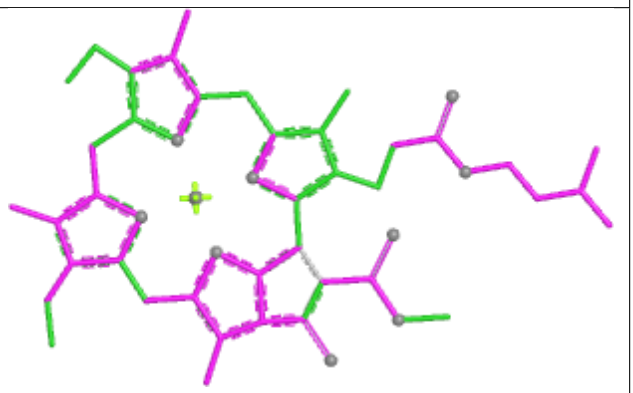
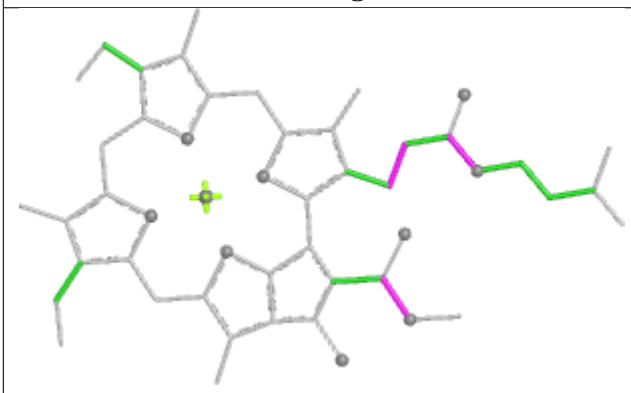


Bond angles



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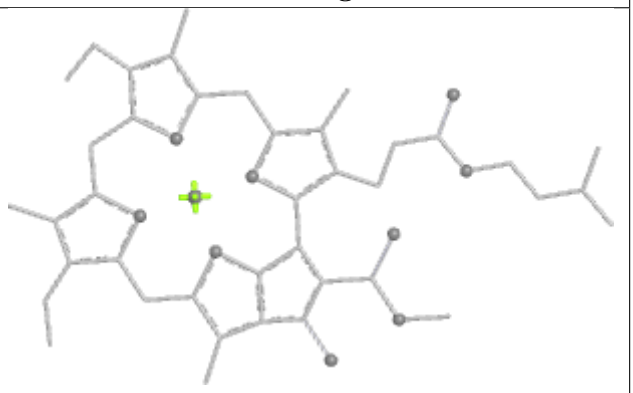
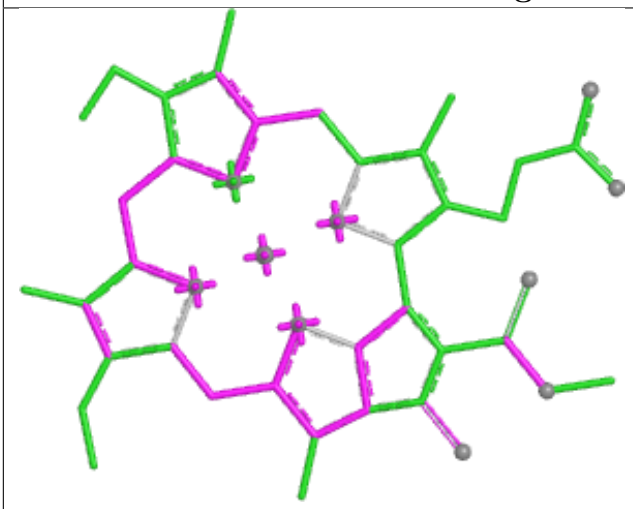


Rings

Ligand CLA A 1110



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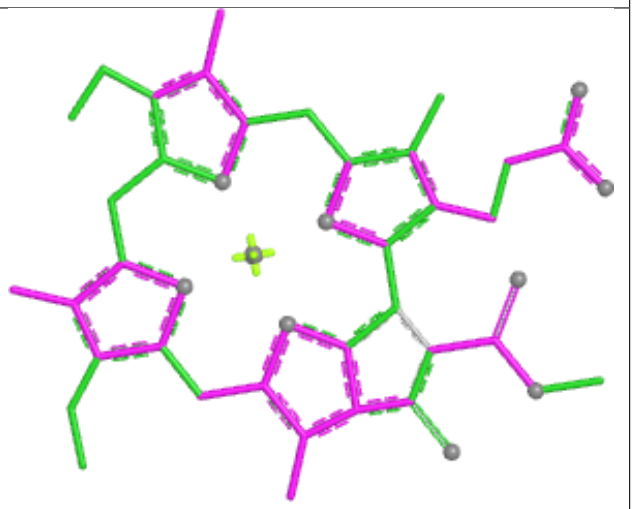
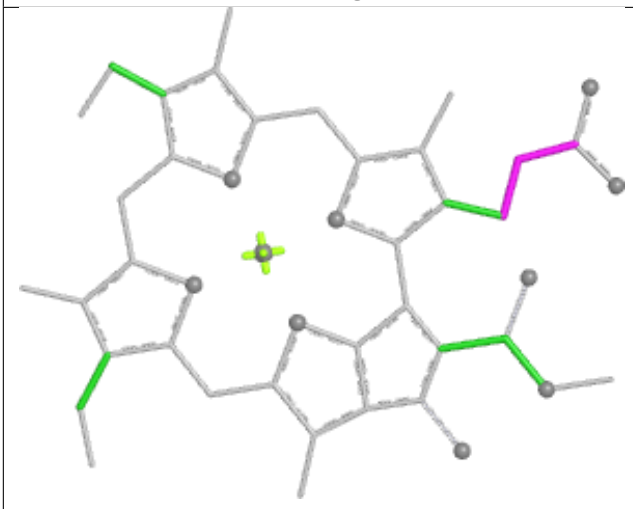


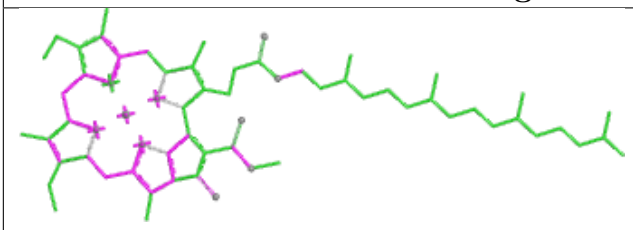
Bond angles



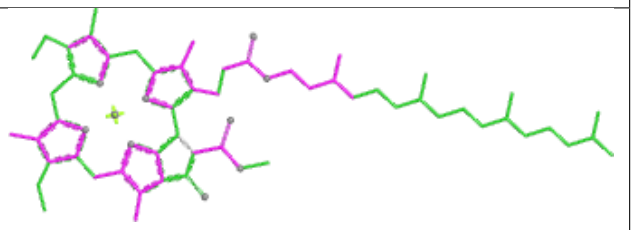
Torsions

Rings

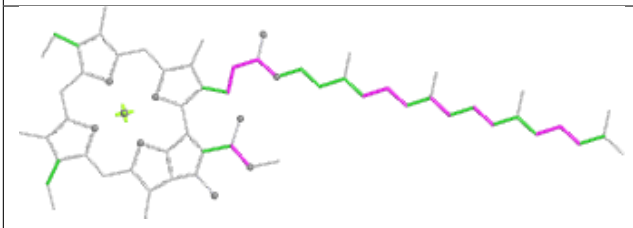
Ligand CLA H 1220



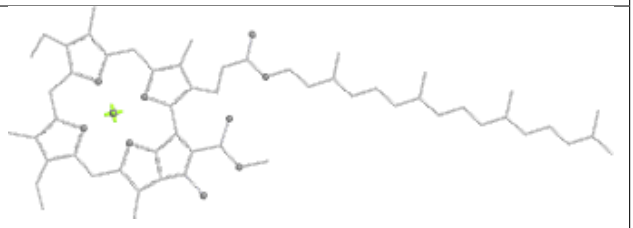
Bond lengths



Bond angles

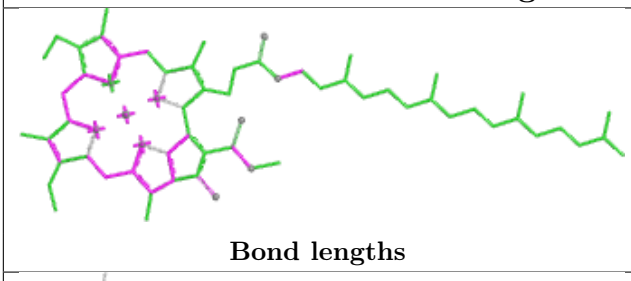


Torsions



Rings

Ligand CLA b 1220



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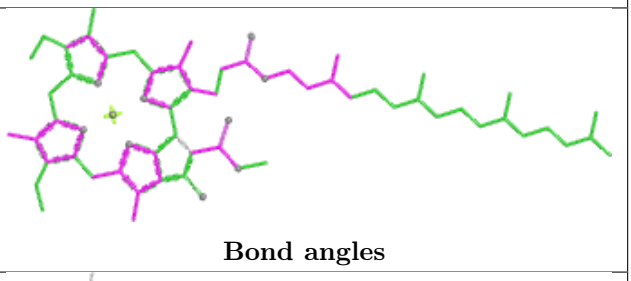
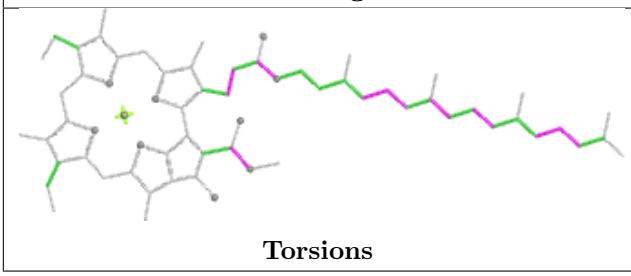
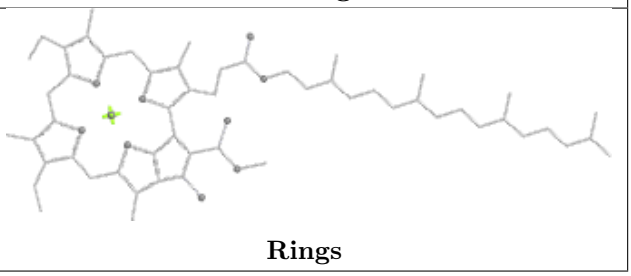


Bond angles

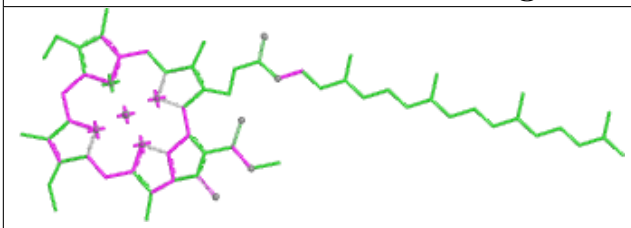


Torsions



Rings

Ligand CLA b 1221



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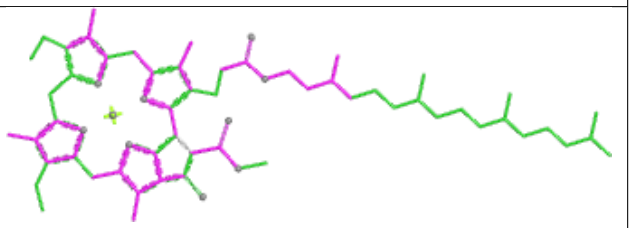
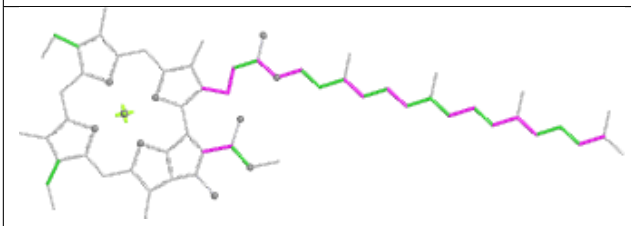
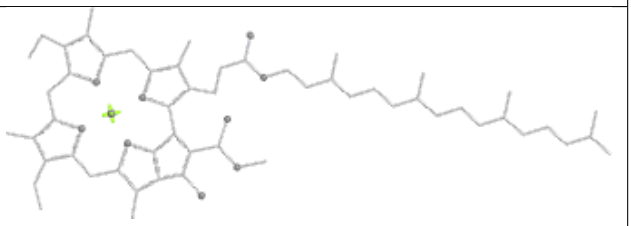


Bond angles

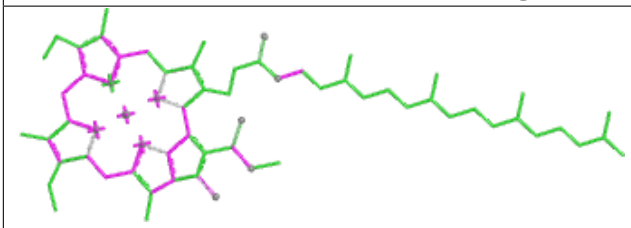


Torsions



Rings

Ligand CLA A 1136



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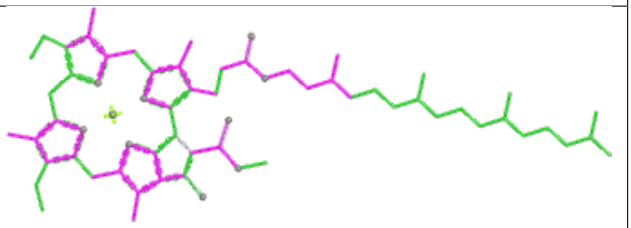
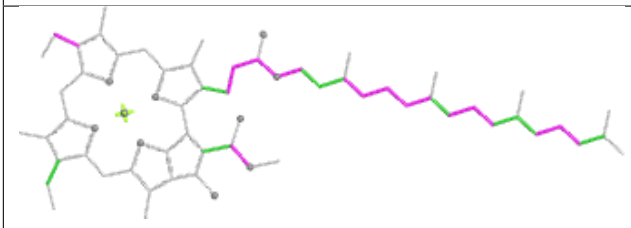
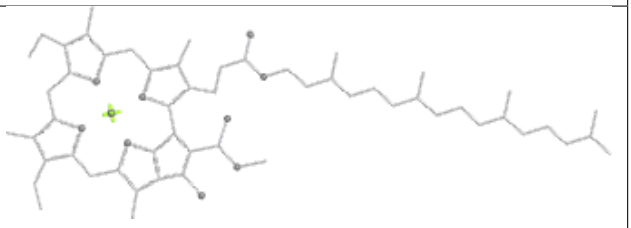


Bond angles

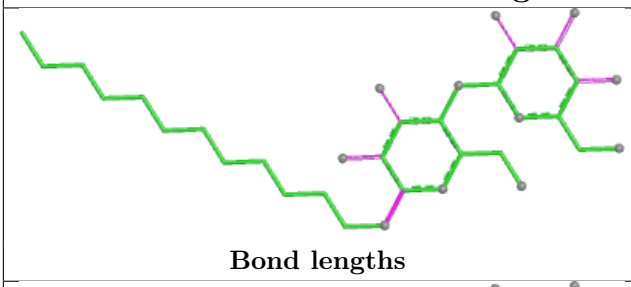


Torsions



Rings

Ligand LMT B 6002



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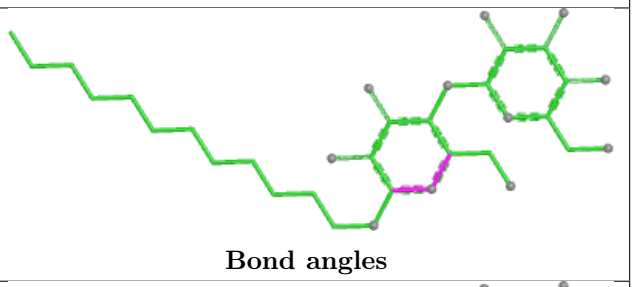
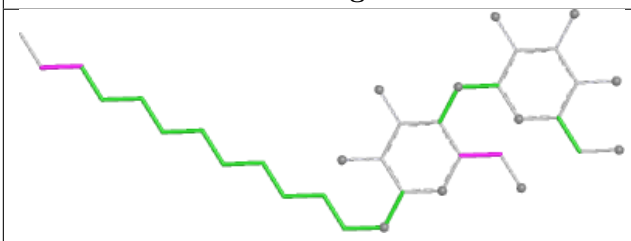


Bond angles



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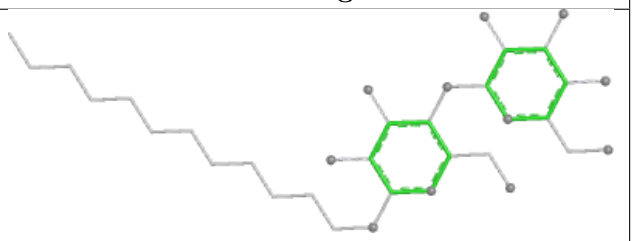
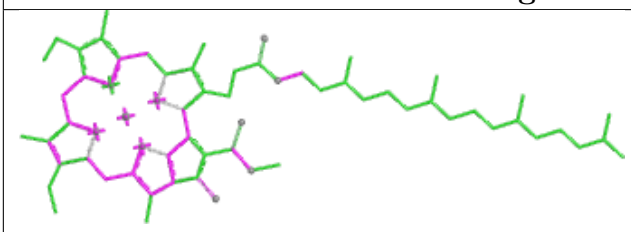


Rings

Ligand CLA b 1239



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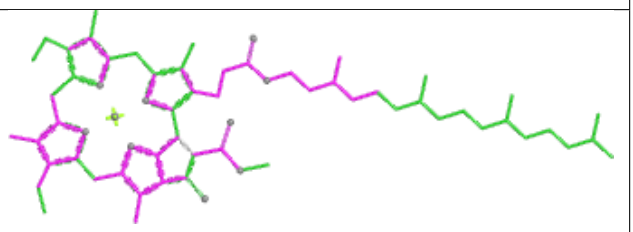
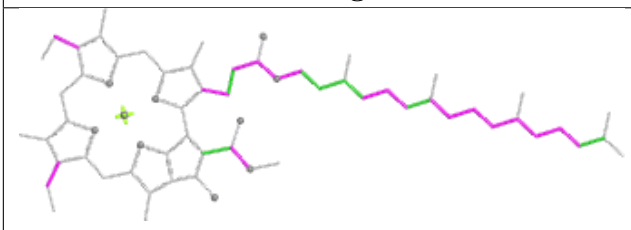
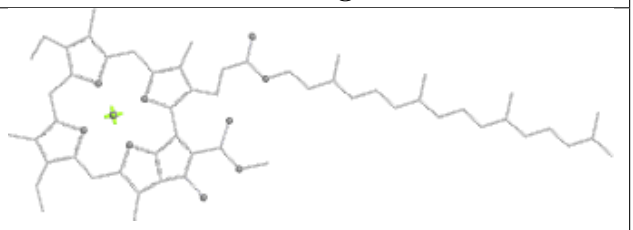


Bond angles

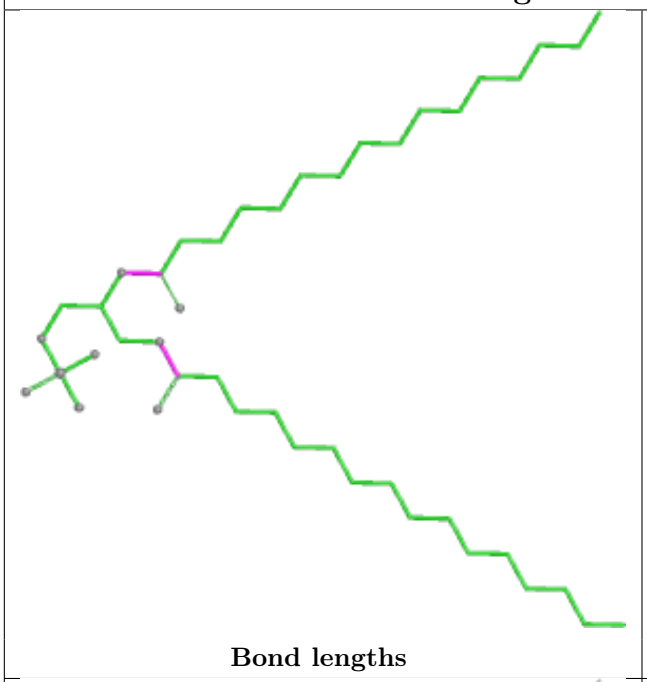


Torsions



Rings

Ligand LHG G 5002



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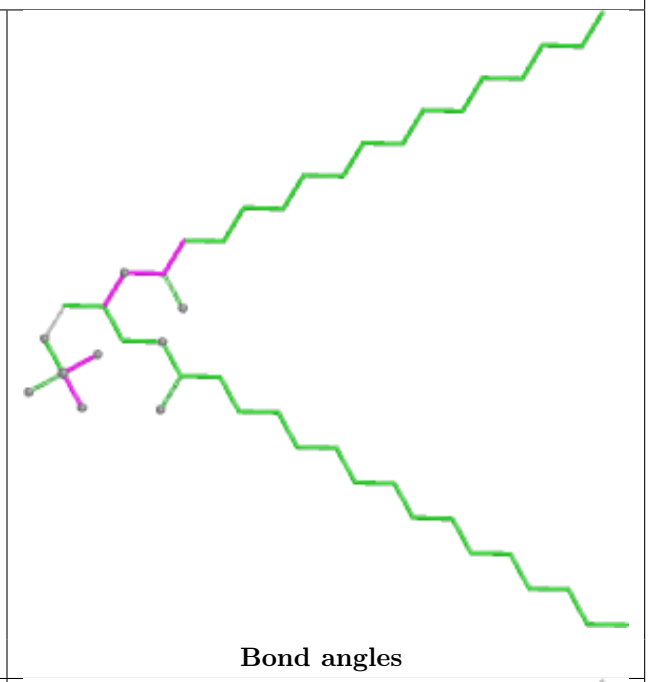
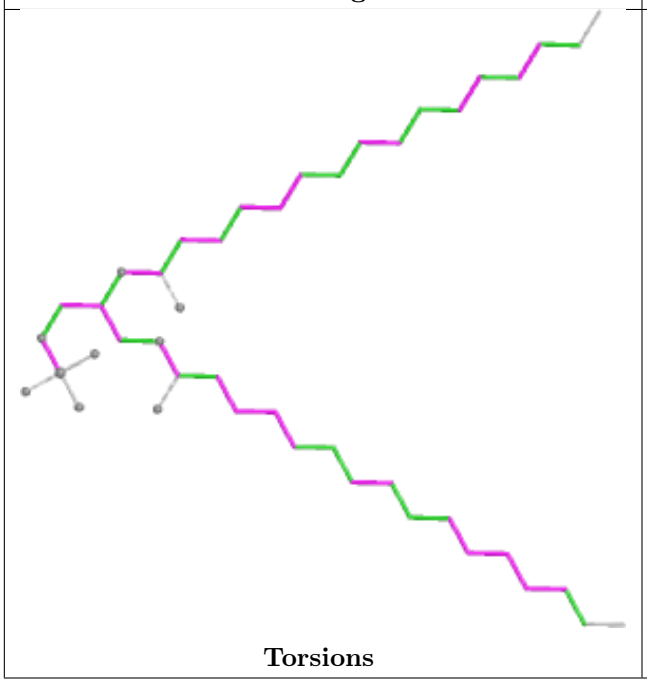
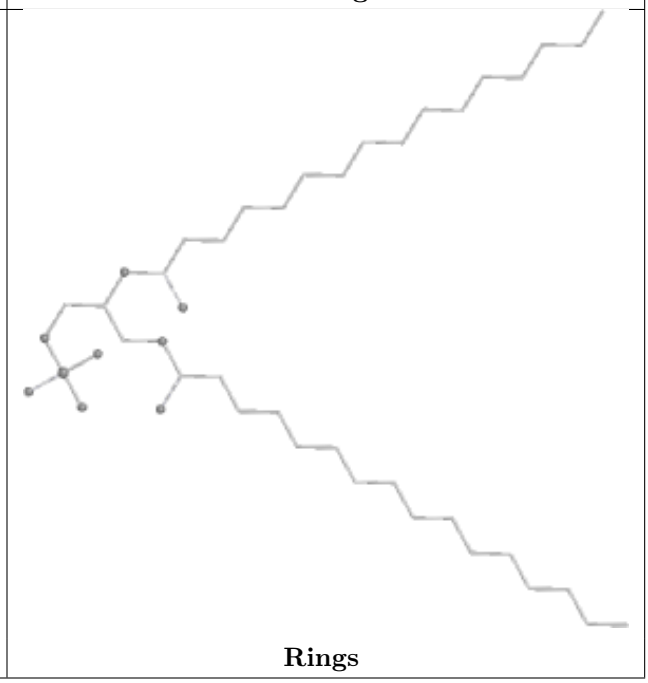


Bond angles

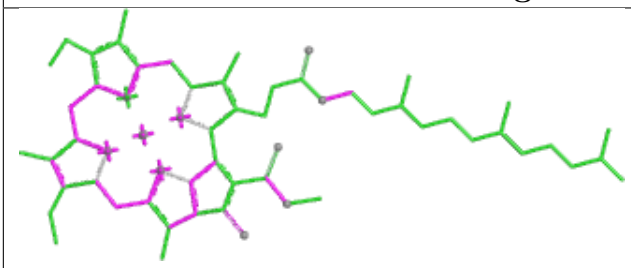


Torsions



Rings

Ligand CLA G 1128



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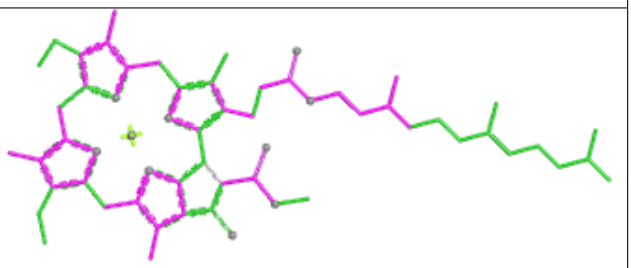
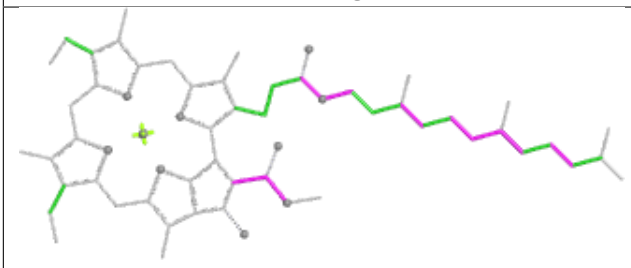


Bond angles



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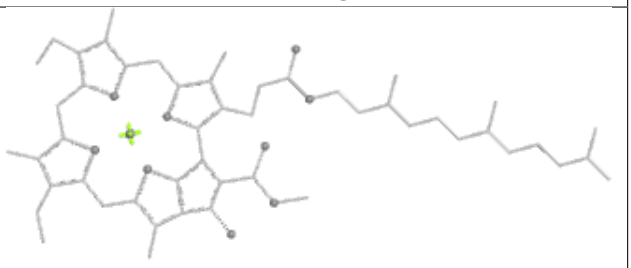
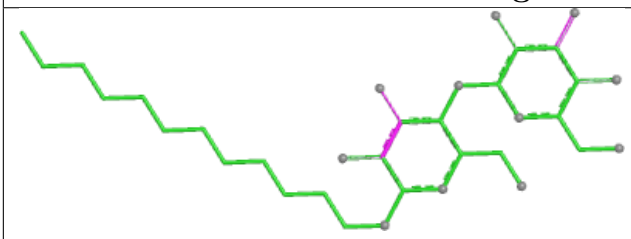
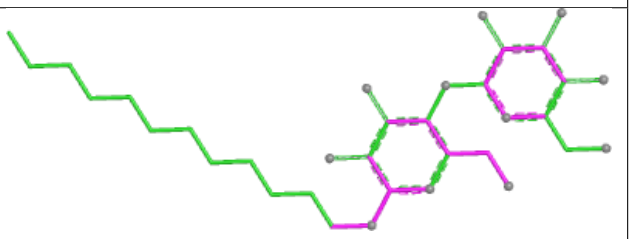


Rings

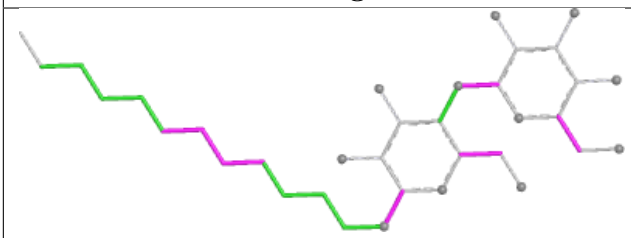
Ligand LMT B 6003



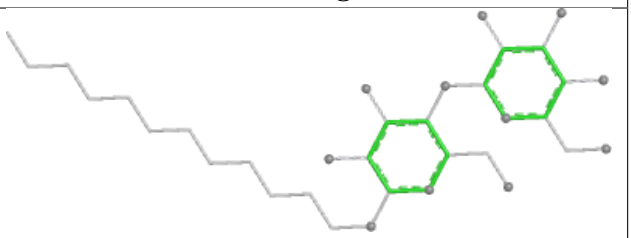
Bond lengths



Bond angles

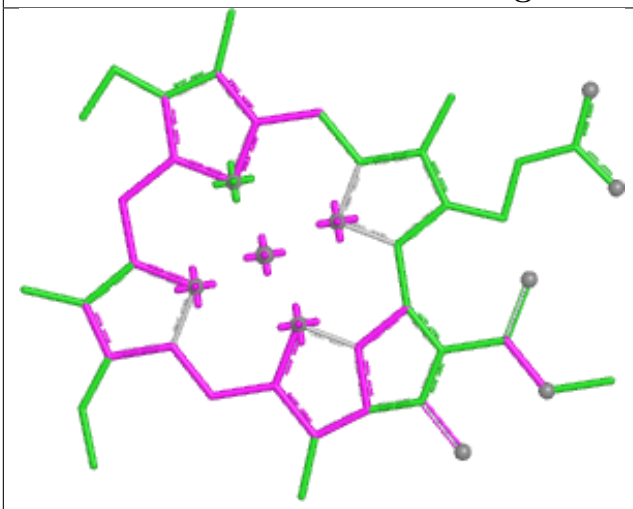


Torsions



Rings

Ligand CLA H 1233



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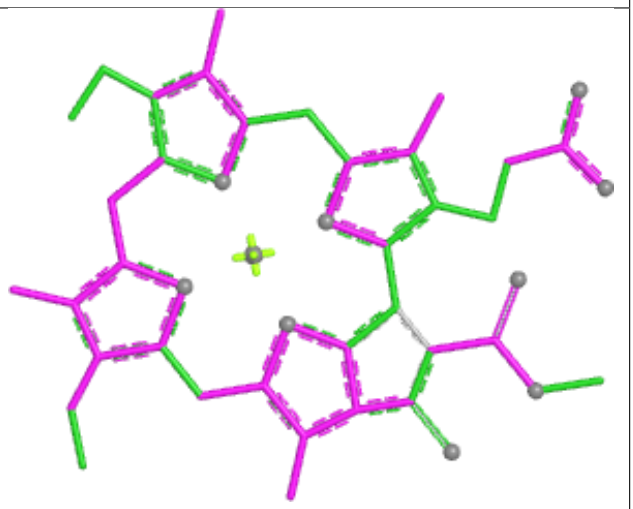
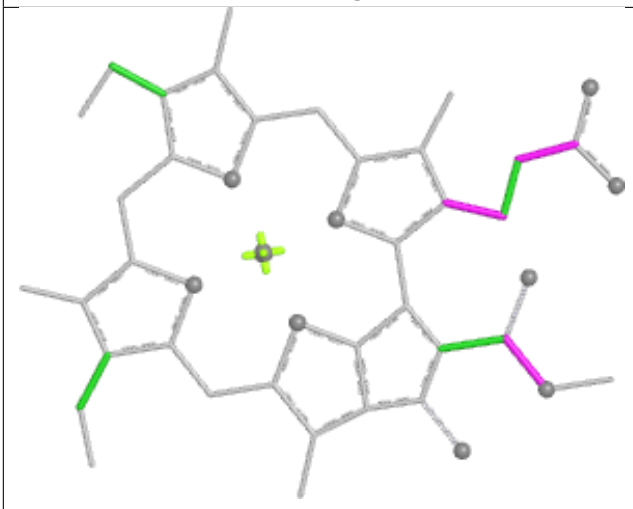


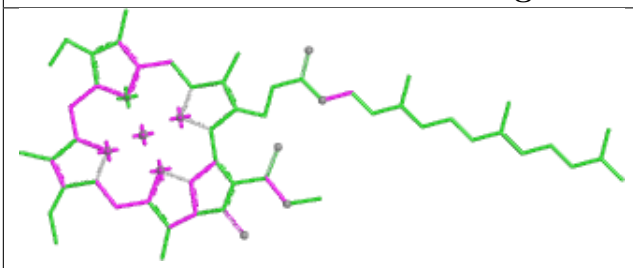
Bond angles



Torsions

Rings

Ligand CLA A 1123



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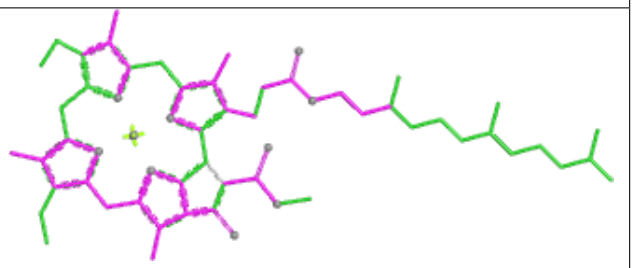
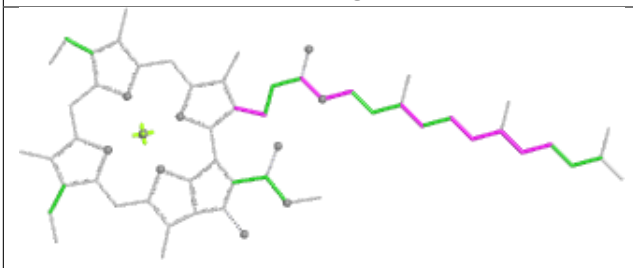


Bond angles



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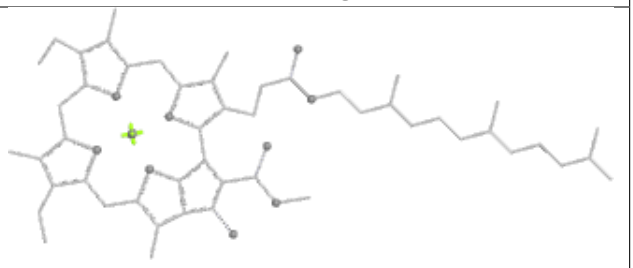
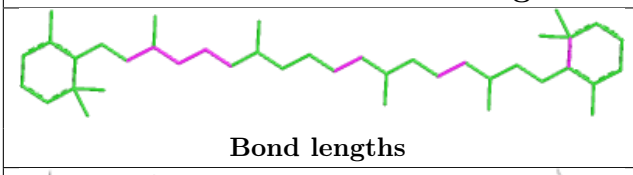


Rings

Ligand BCR R 4018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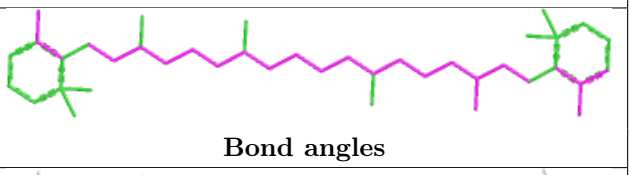
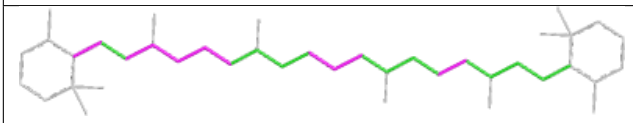
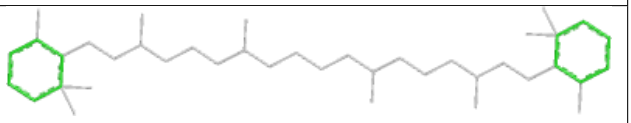
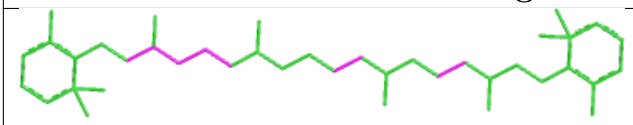

Bond angles


Torsions


Rings

Ligand BCR L 4022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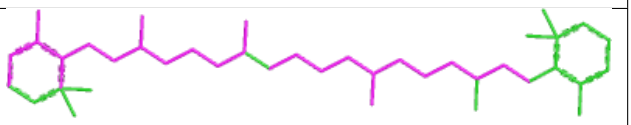
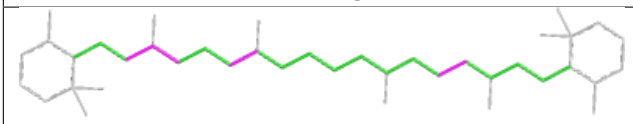
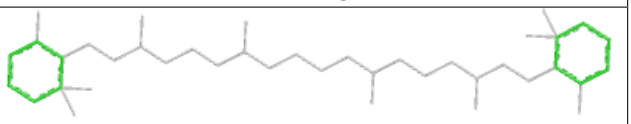
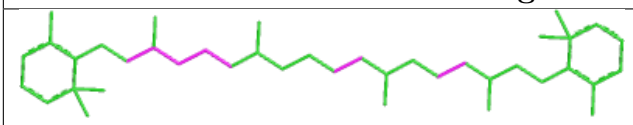

Bond angles


Torsions


Rings

Ligand BCR a 4005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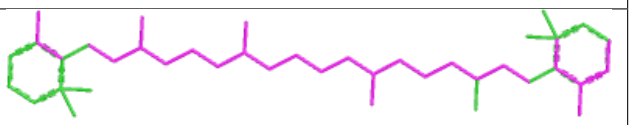
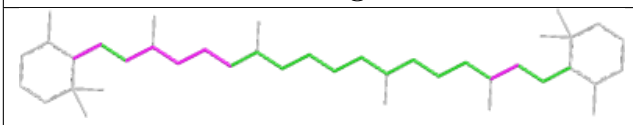
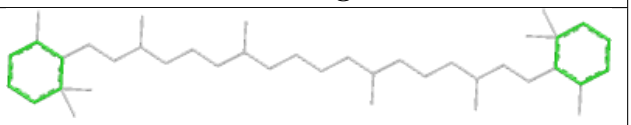
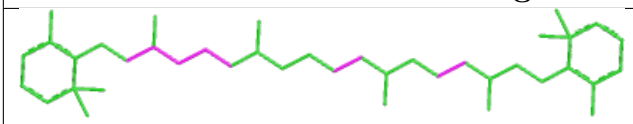
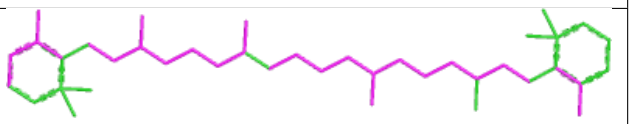

Bond angles

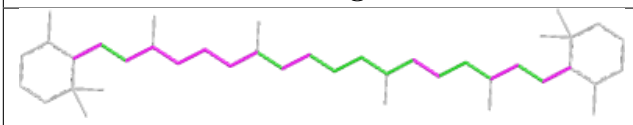

Torsions

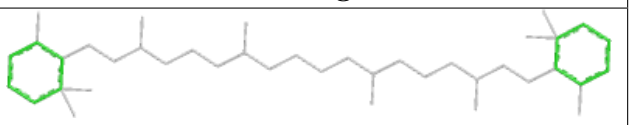

Rings

Ligand BCR B 4006

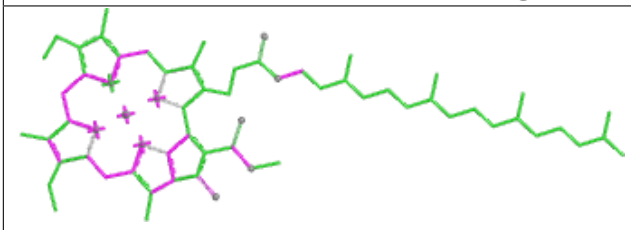

Bond lengths


Bond angles


Torsions


Rings

Ligand CLA A 1012



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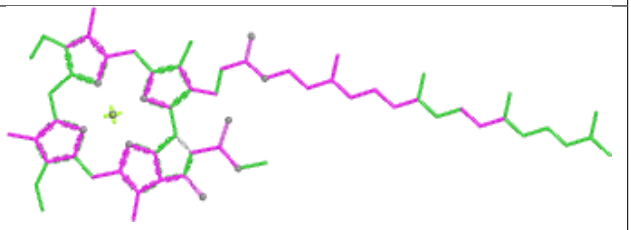

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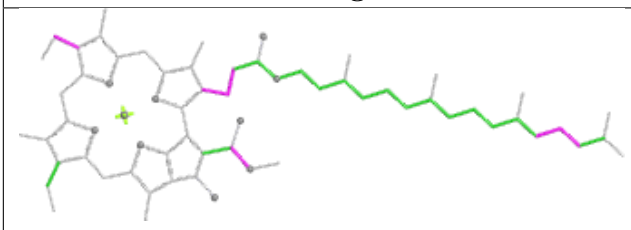

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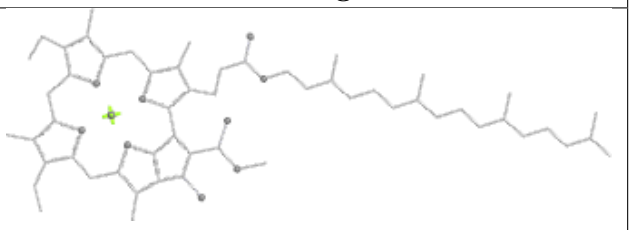
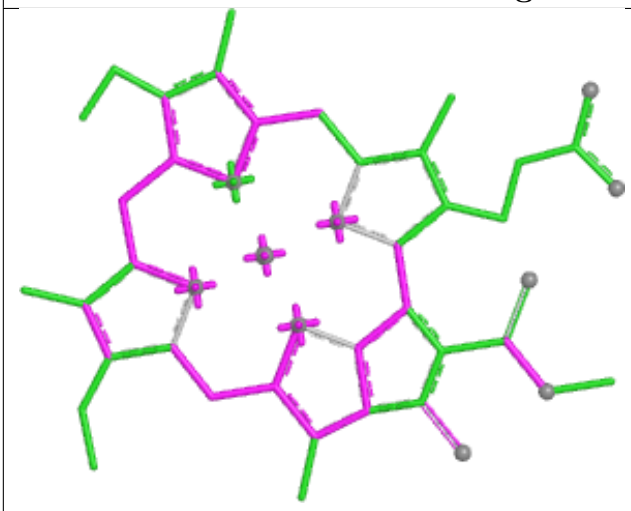


Rings

Ligand CLA B 1213



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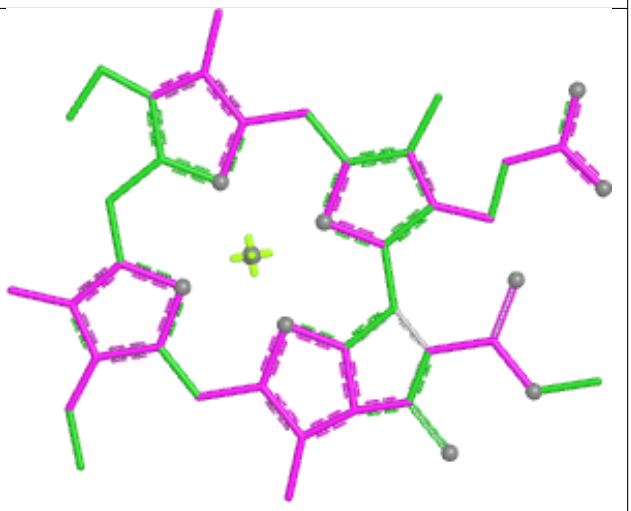

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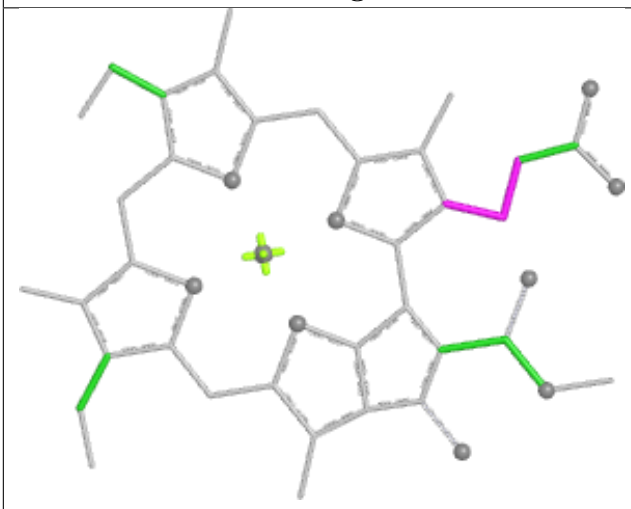
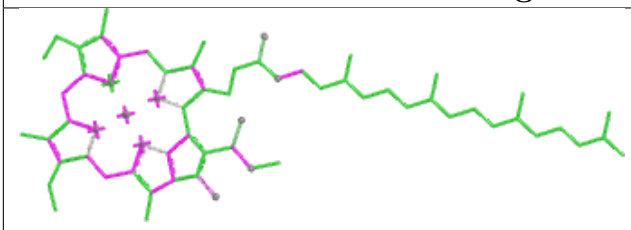


Torsions

Rings

Ligand CLA B 1021



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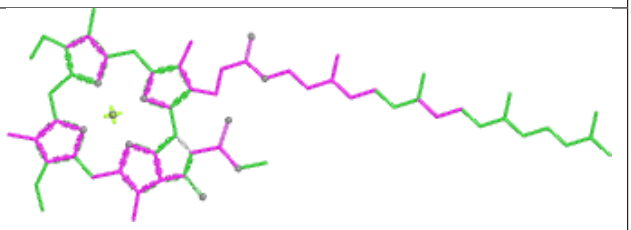

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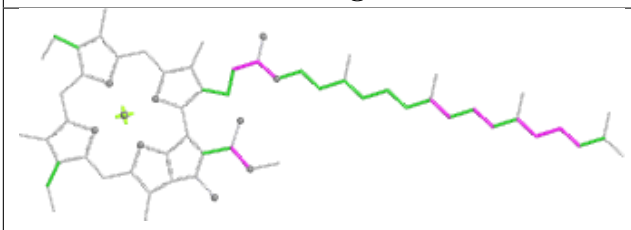
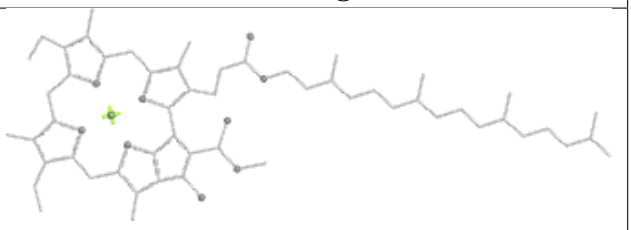
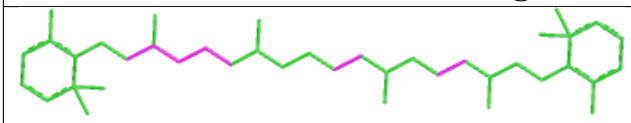


Torsions



Rings

Ligand BCR G 4001



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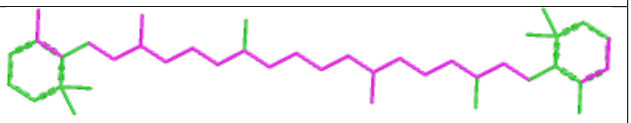
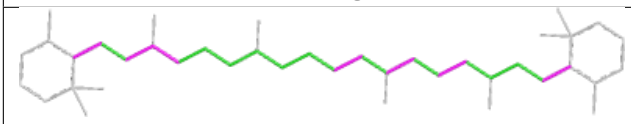


Bond angles



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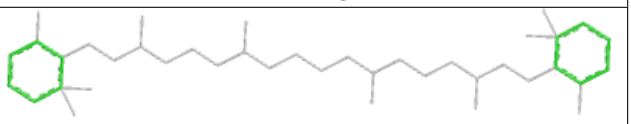
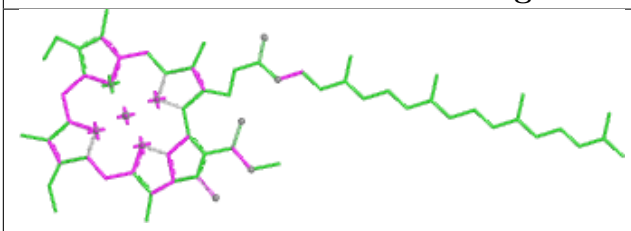


Rings

Ligand CLA H 1021



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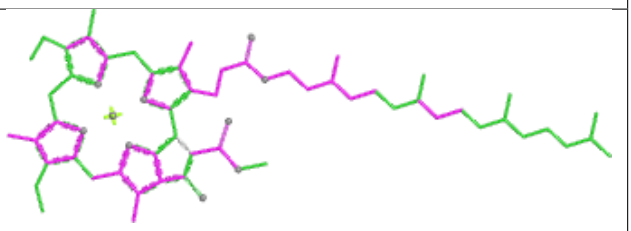

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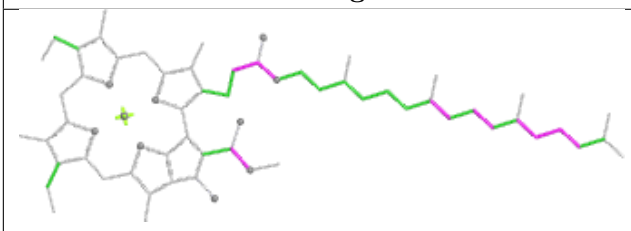

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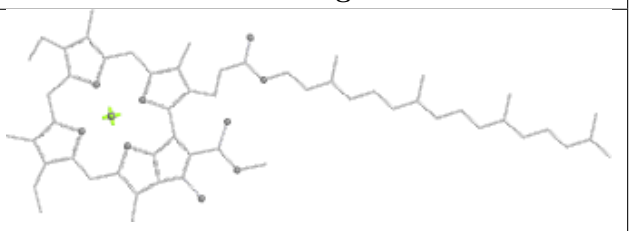
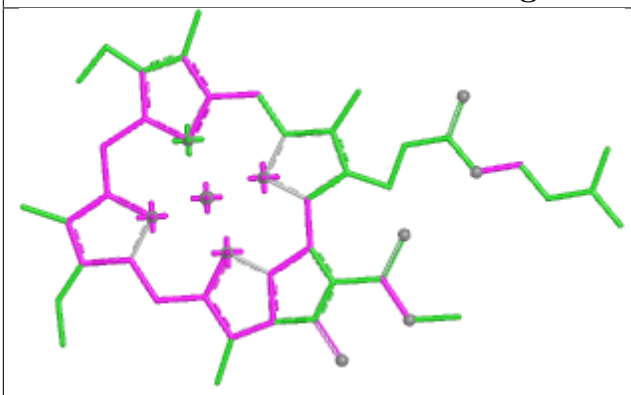


Rings

Ligand CLA a 1102



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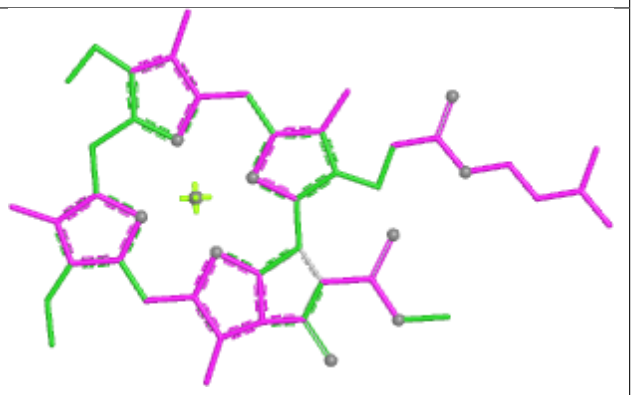
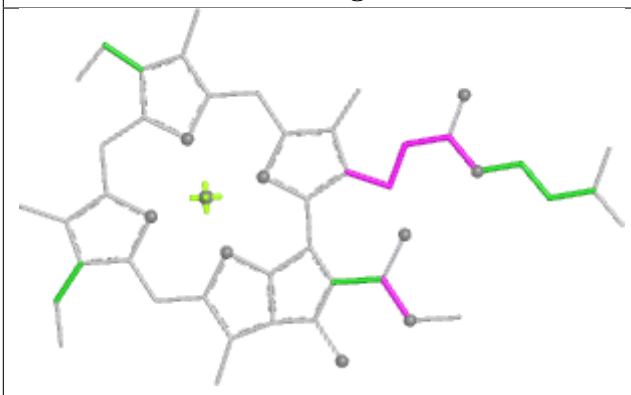


Bond angles



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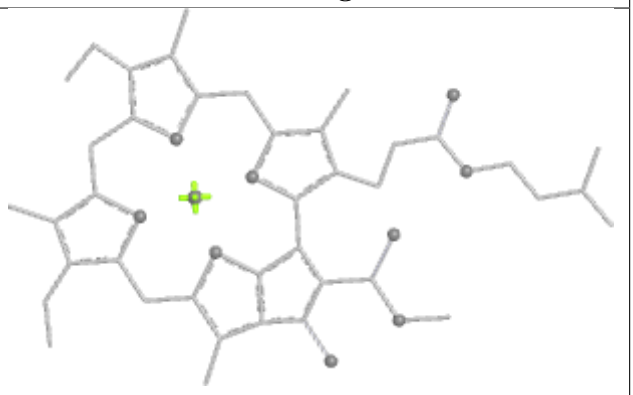
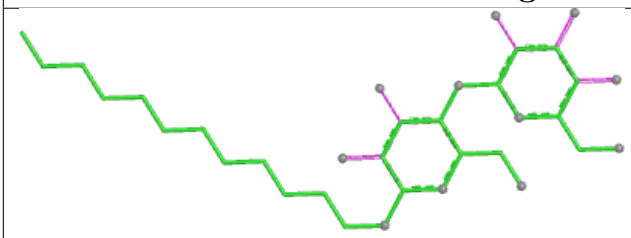


Rings

Ligand LMT I 6001



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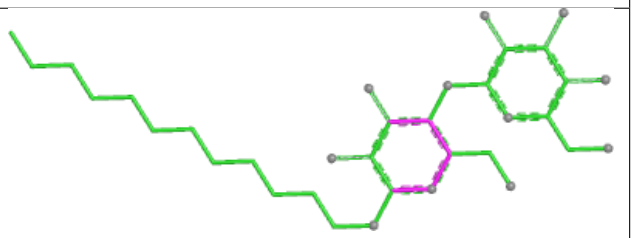
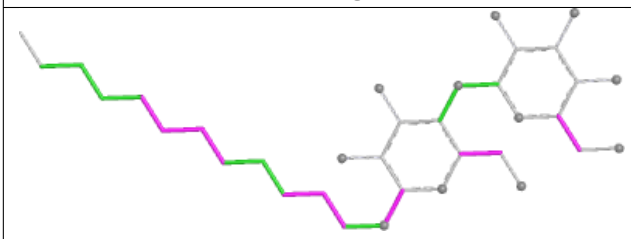


Bond angles



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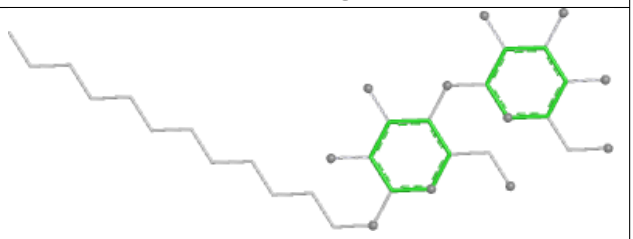
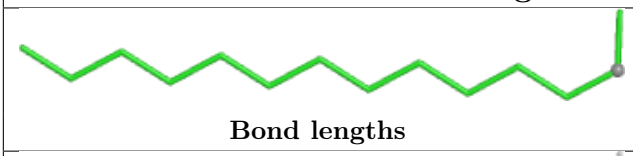


Rings

Ligand LMT L 6001



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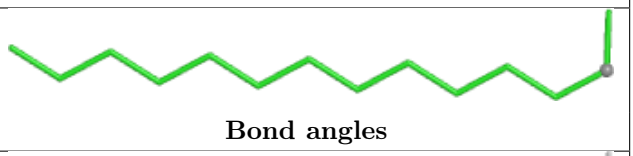
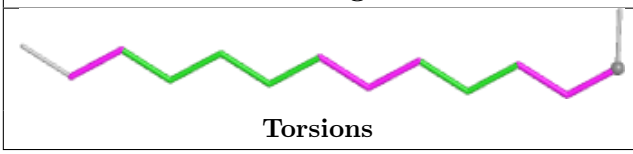
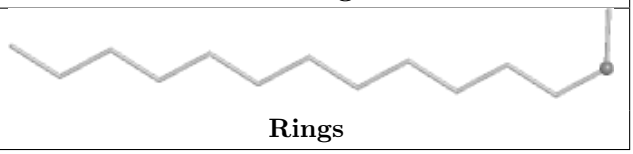


Bond angles

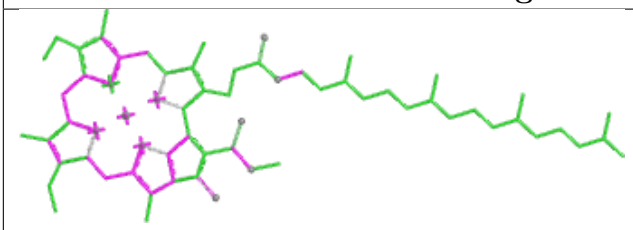


Torsions



Rings

Ligand CLA B 1220



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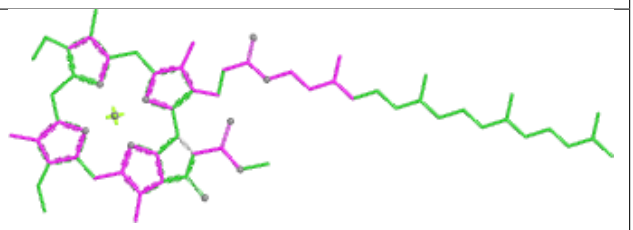
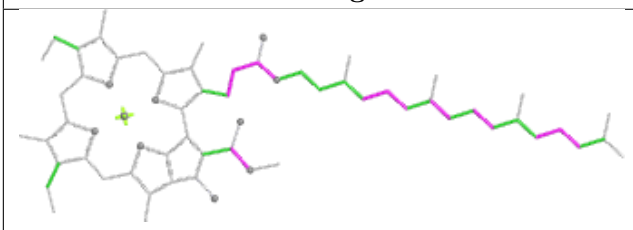
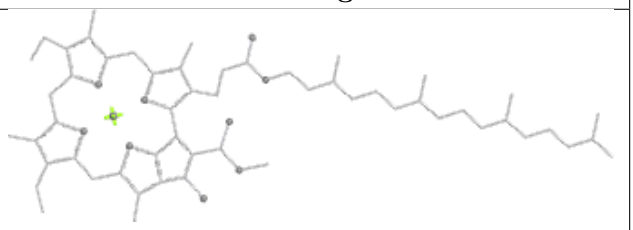


Bond angles

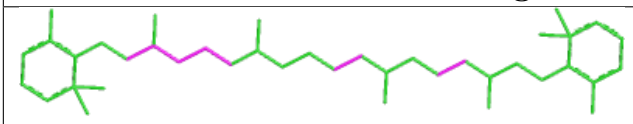


Torsions



Rings

Ligand BCR A 4002



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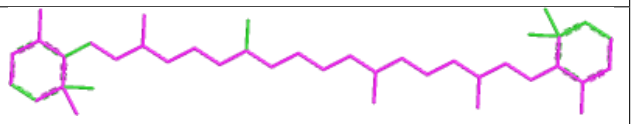
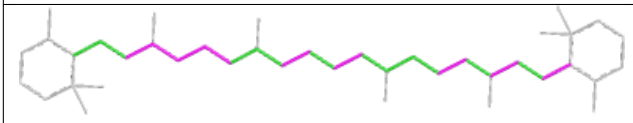


Bond angles



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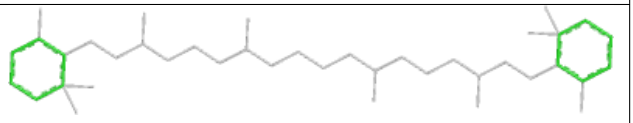
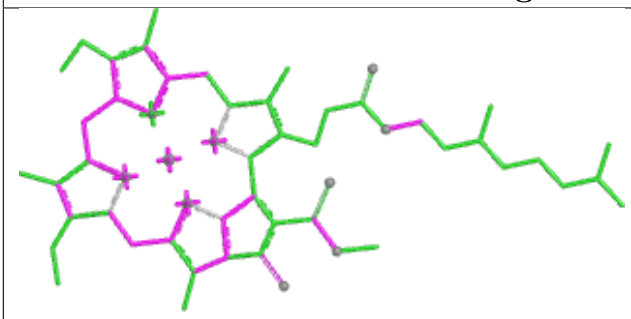
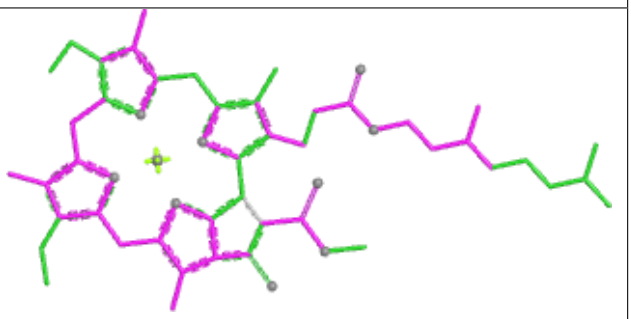
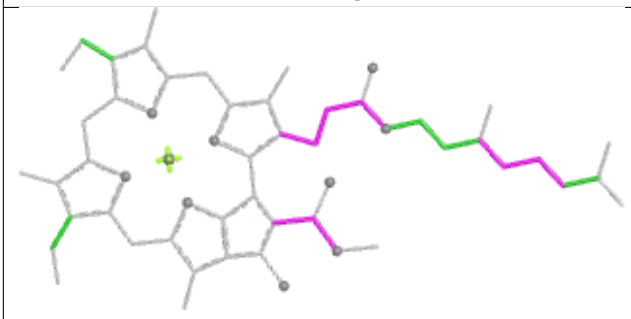
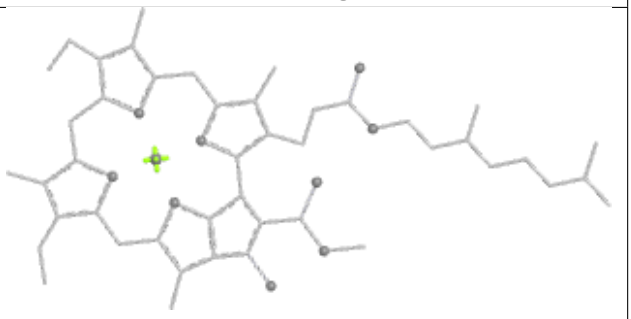


Rings

Ligand CLA B 1236	
	
Bond lengths	Bond angles
	
Torsions	Rings

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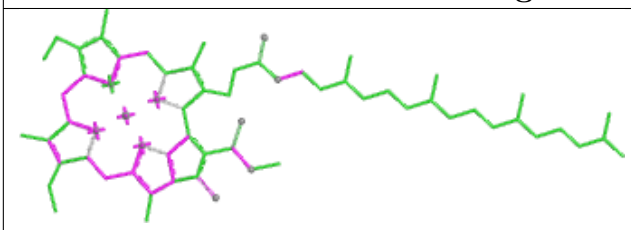
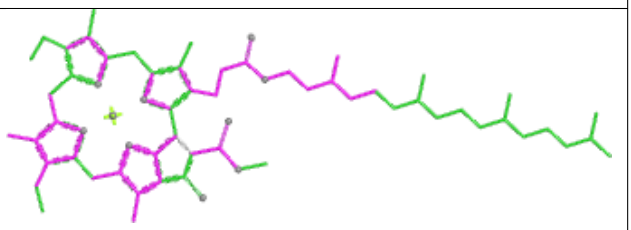
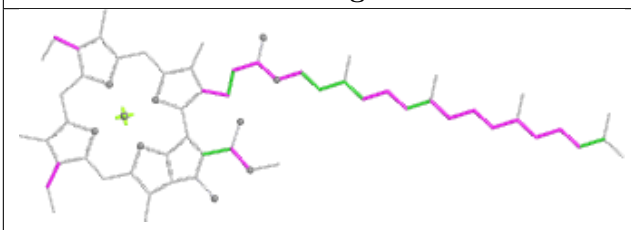
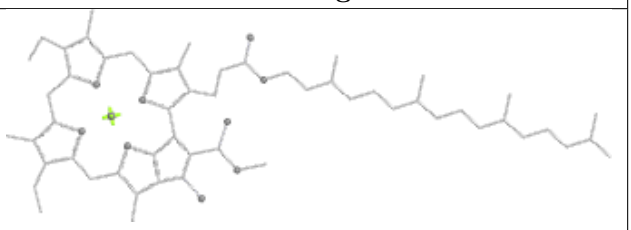
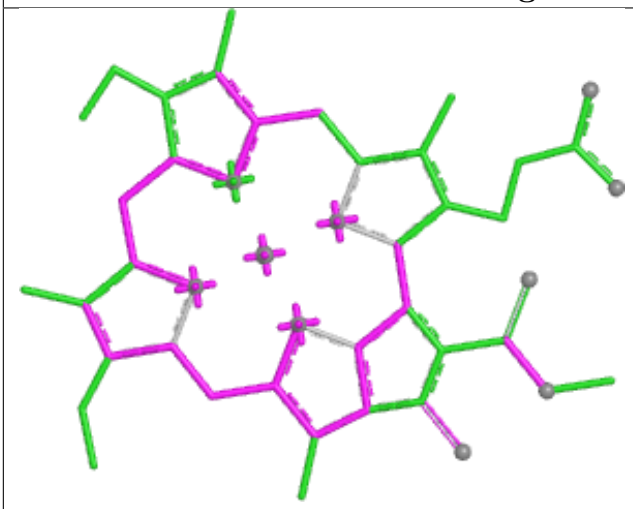
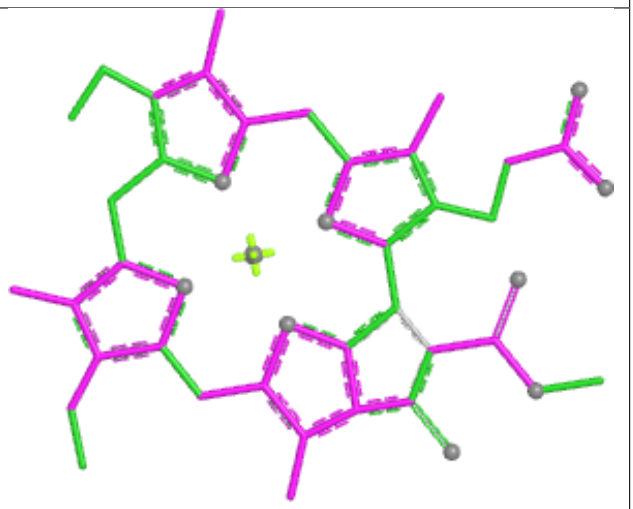
	
Bond lengths	Bond angles
	
Torsions	Rings

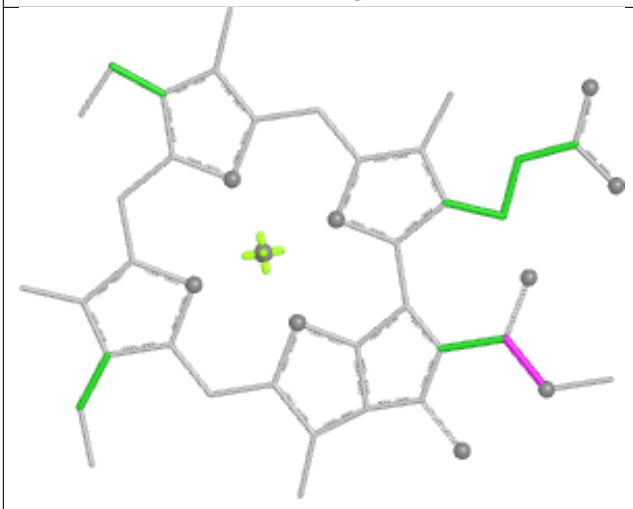
Ligand CLA b 1232



Bond lengths



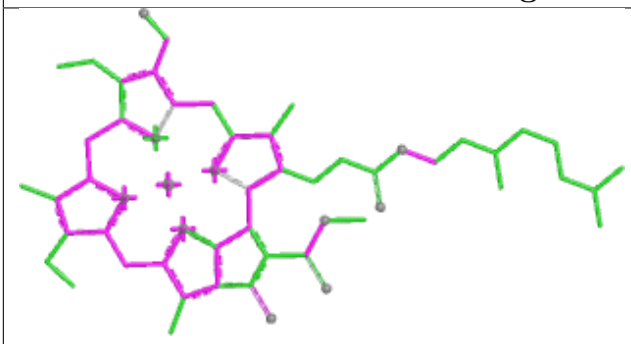
Bond angles



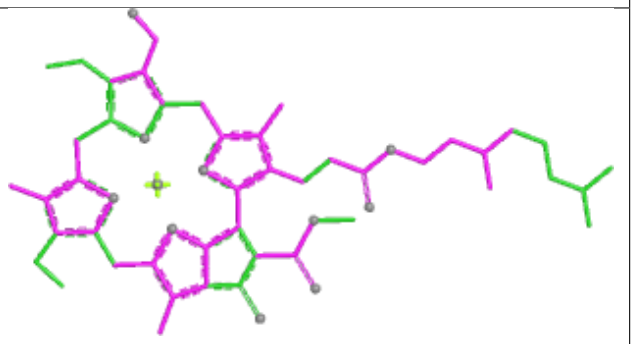
Torsions

Rings

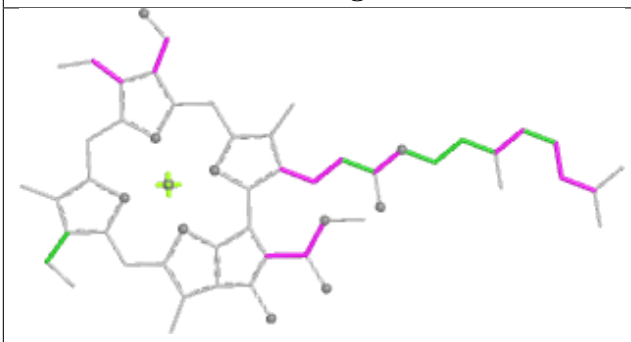
Ligand F6C B 1219



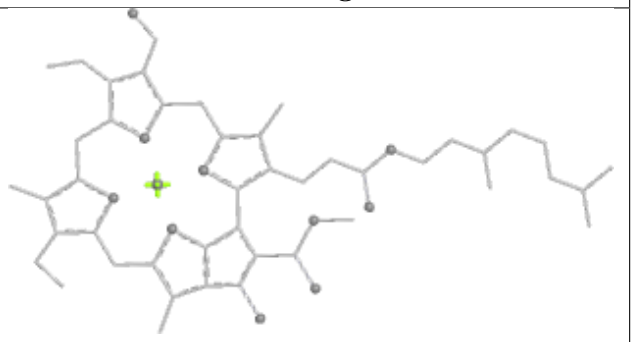
Bond lengths



Bond angles

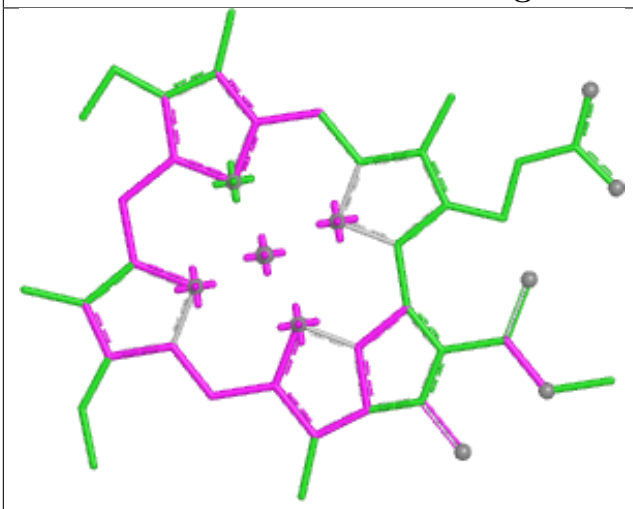


Torsions

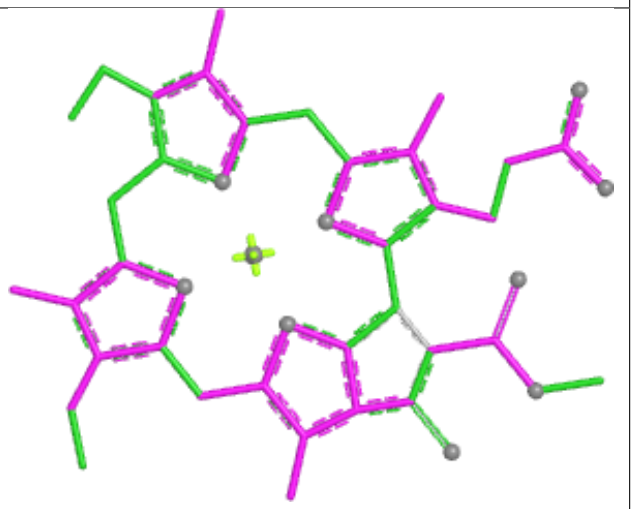


Rings

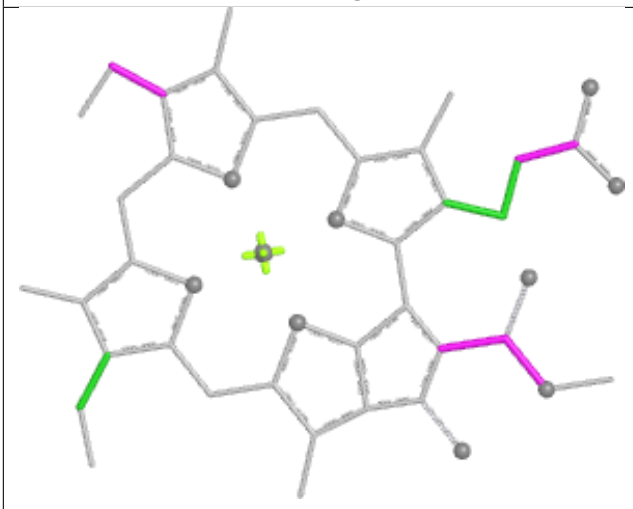
Ligand CLA G 1101



Bond lengths



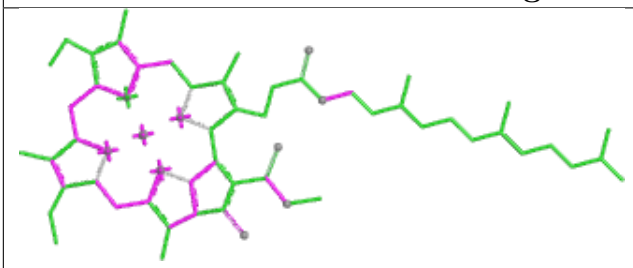
Bond angles



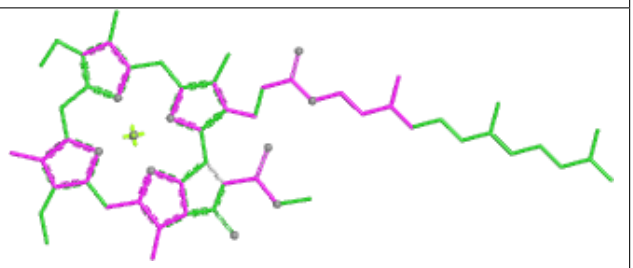
Torsions

Rings

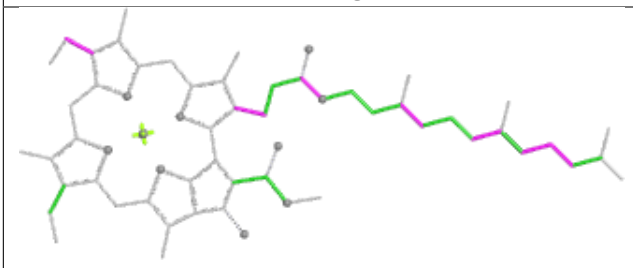
Ligand CLA l 1502



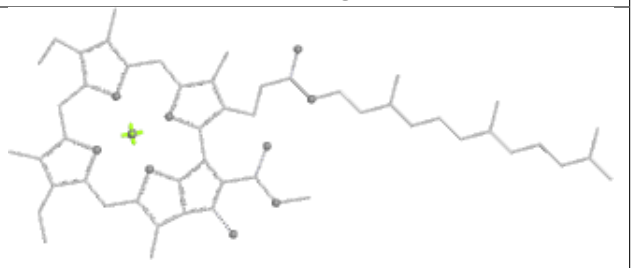
Bond lengths



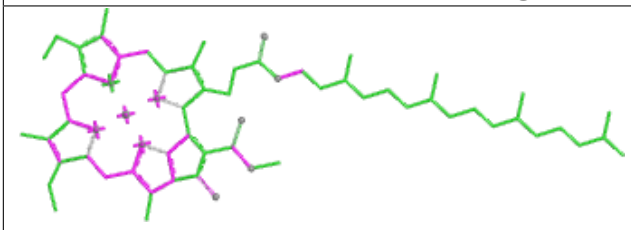
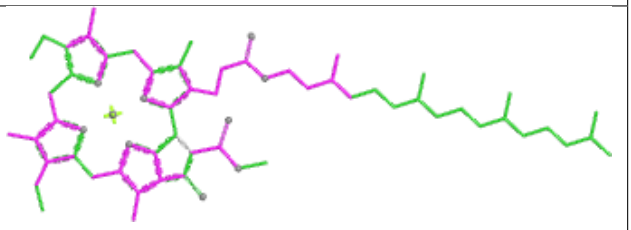
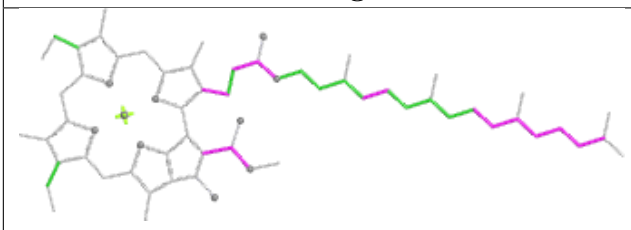
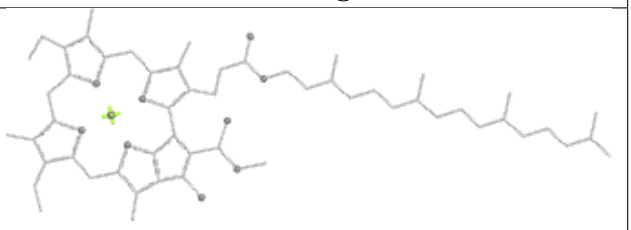
Bond angles

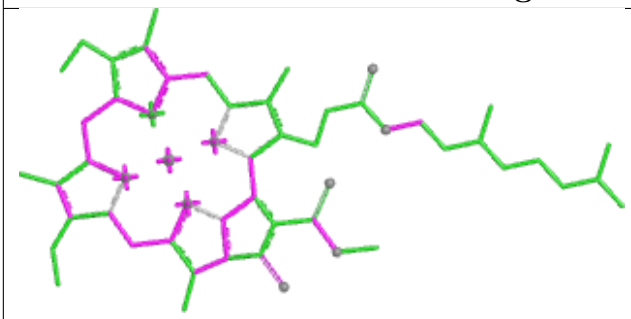
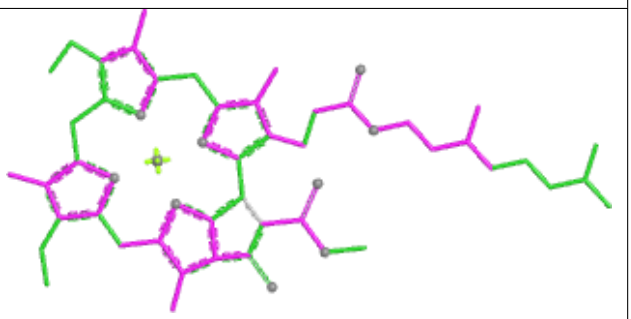
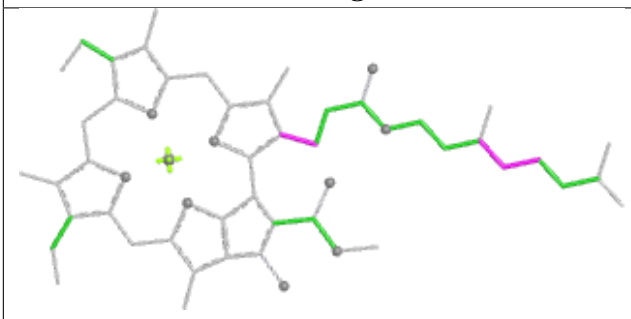
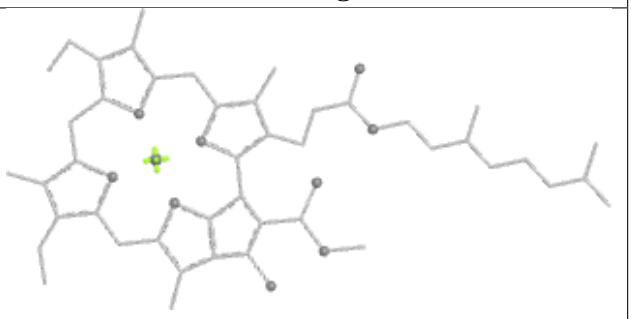


Torsions

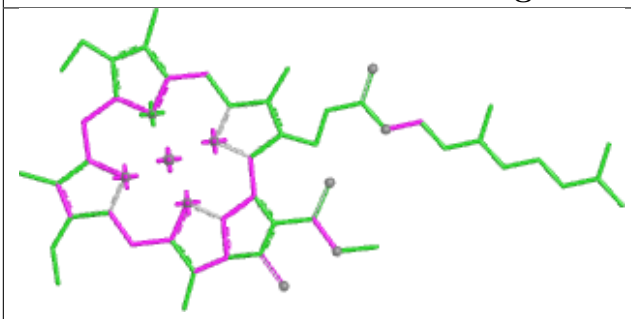


Rings

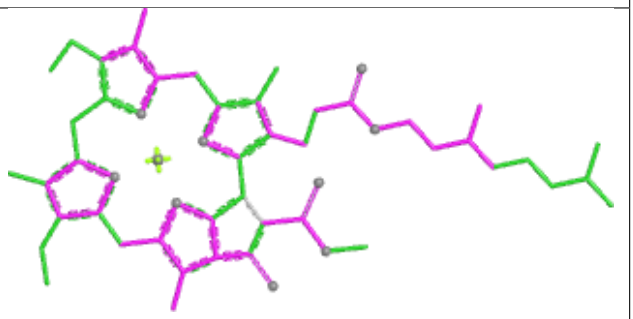
Ligand CLA A 1103	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA A 1124	
 Bond lengths	 Bond angles
 Torsions	 Rings

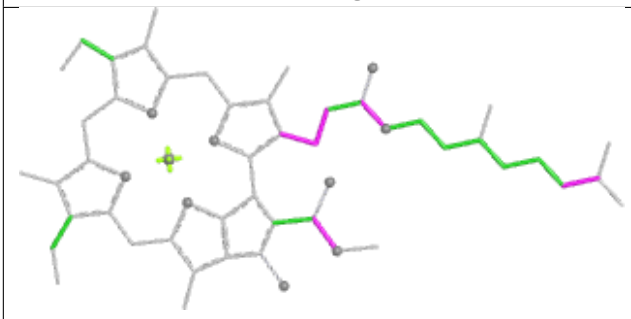
Ligand CLA A 1130



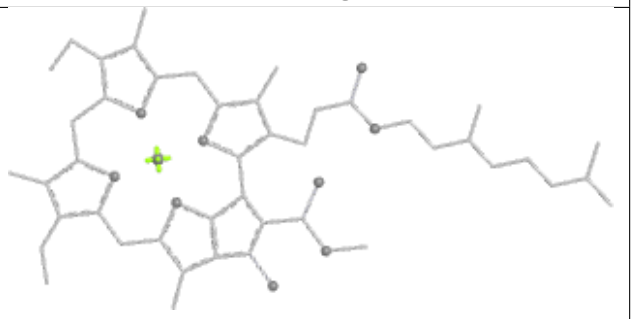
Bond lengths



Bond angles

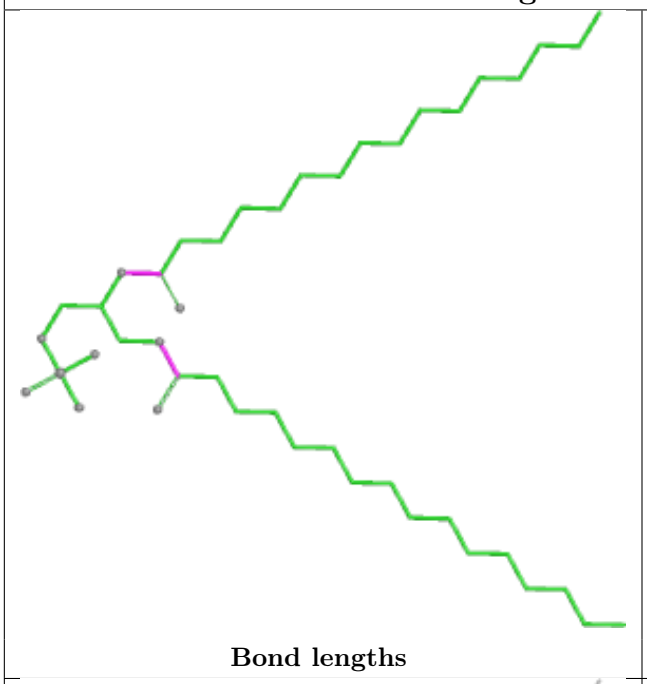


Torsions



Rings

Ligand LHG a 5002



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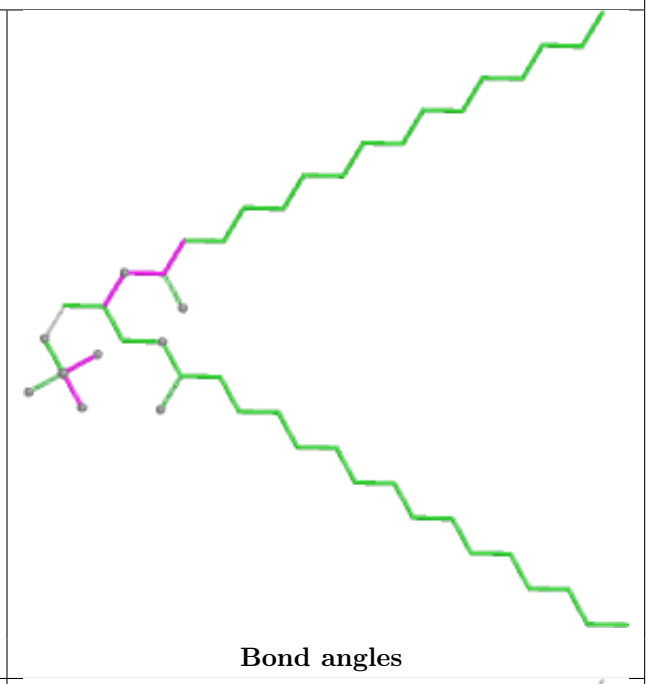

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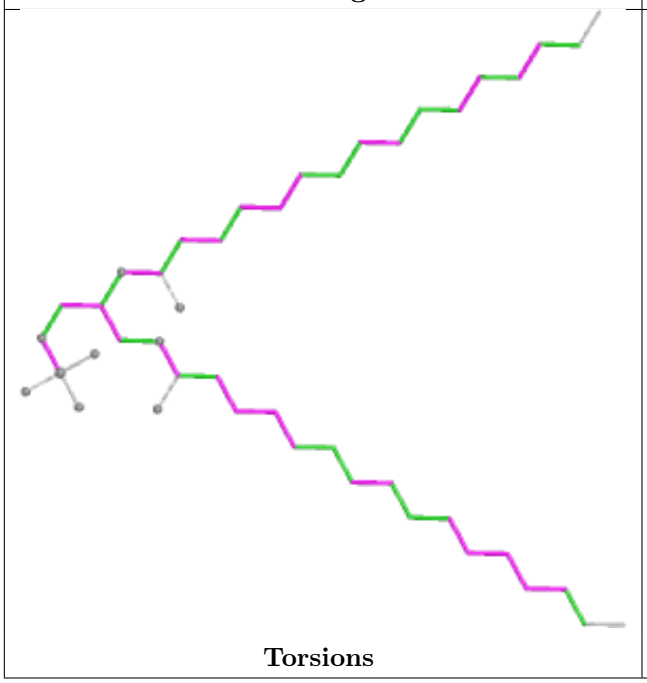

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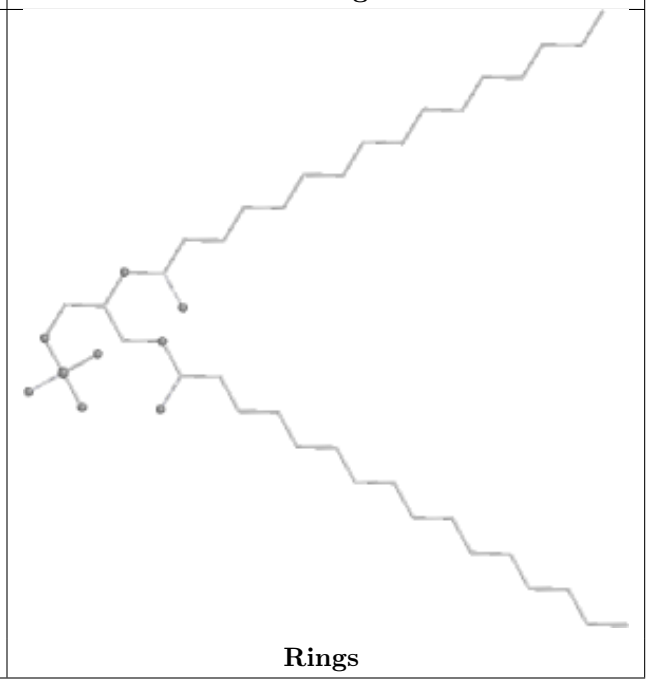
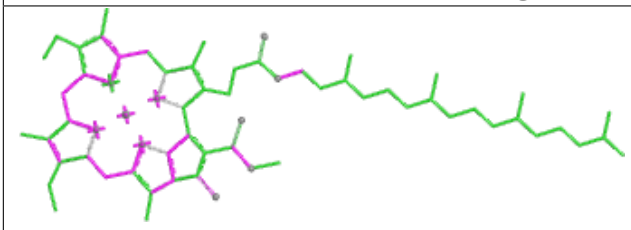


Rings

Ligand CLA H 1224



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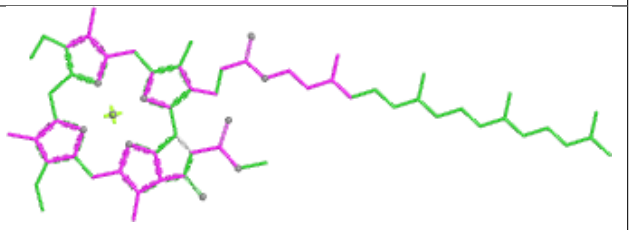
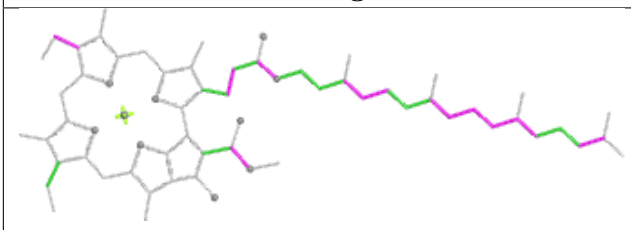


Bond angles



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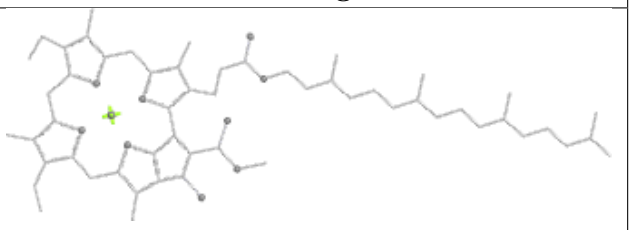
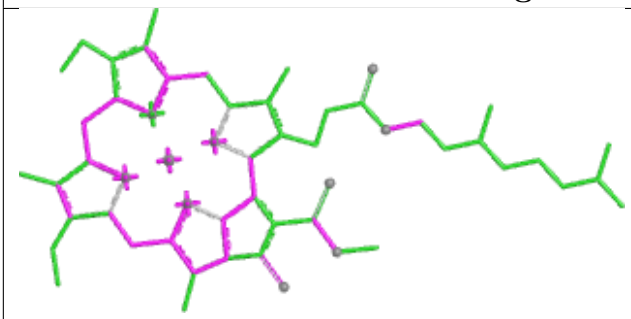


Rings

Ligand CLA A 1112



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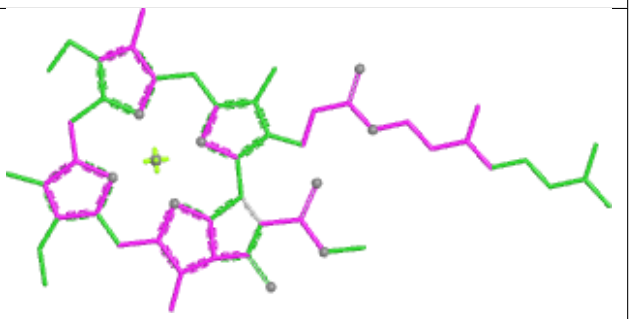
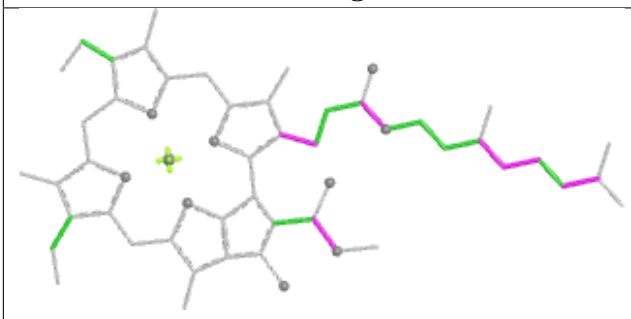


Bond angles



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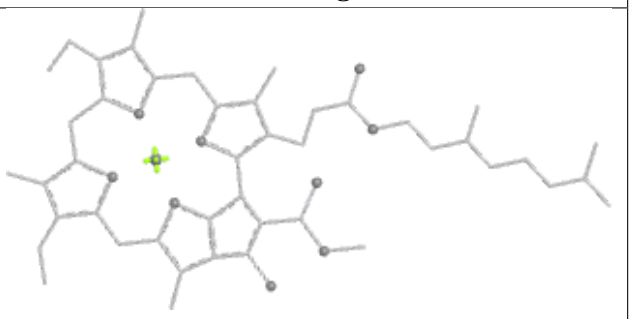
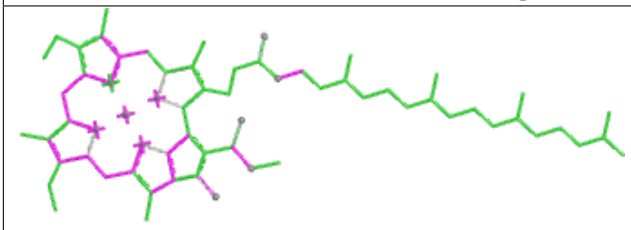
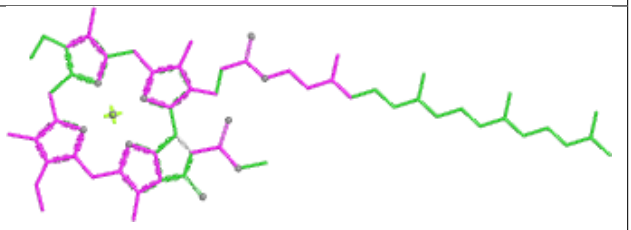
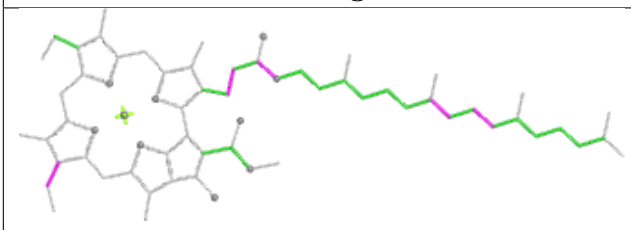
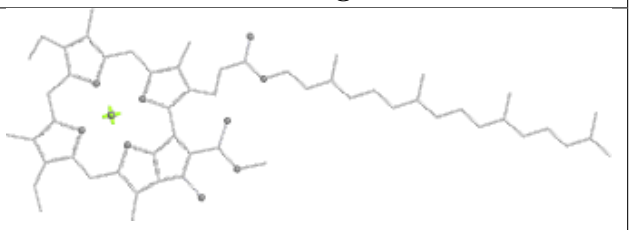
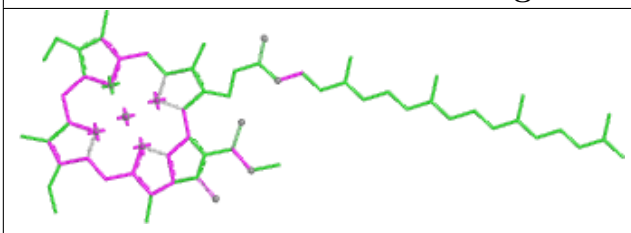
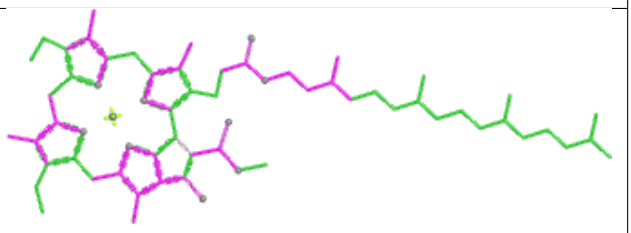
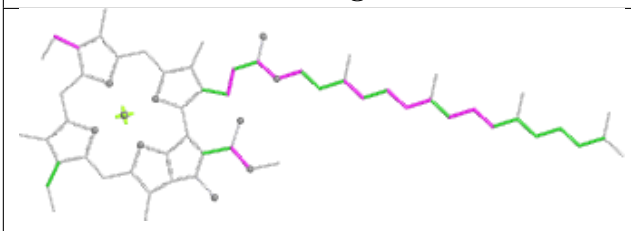
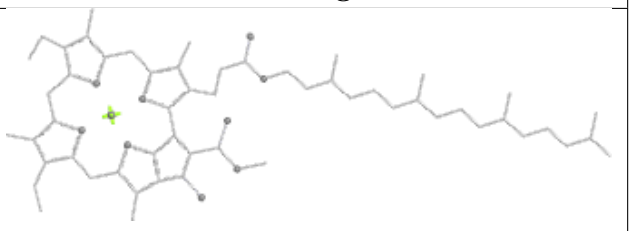
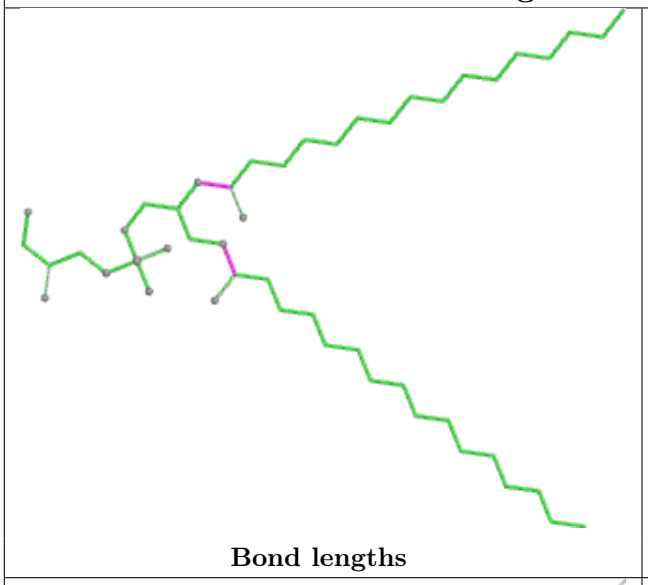


Rings

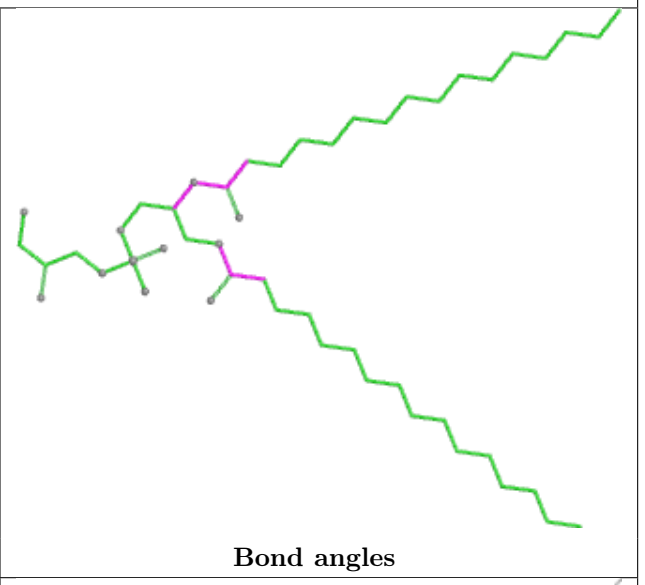
Ligand CLA H 1023	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA G 1109	
	
Bond lengths	Bond angles
	
Torsions	Rings

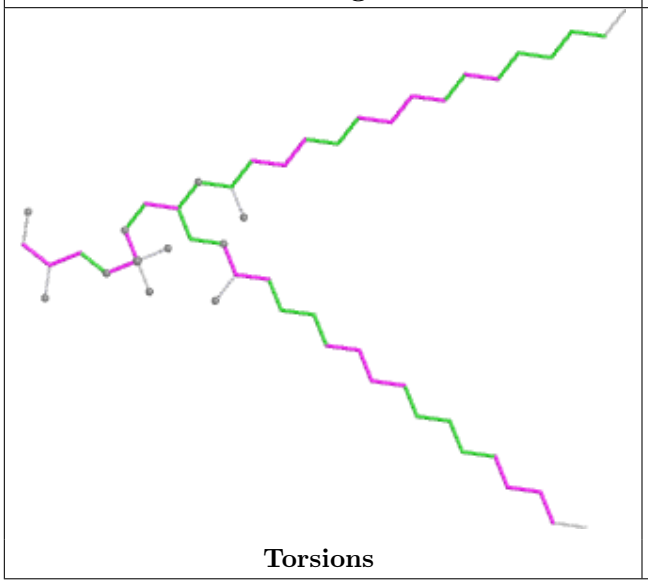
Ligand LHG L 5102



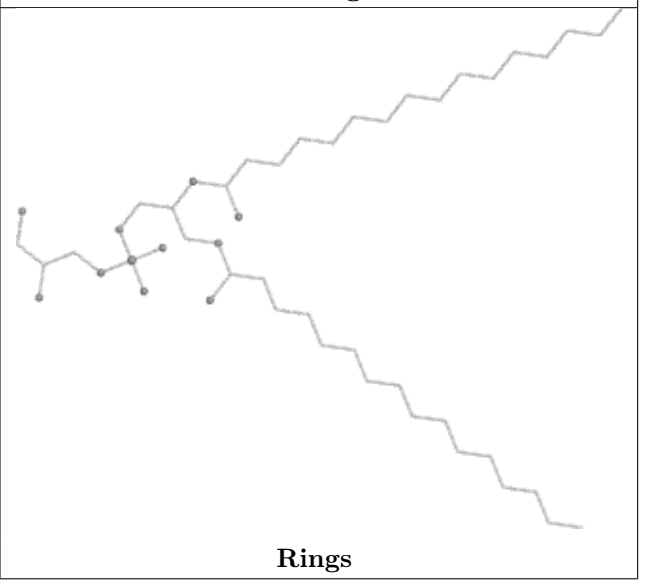
Bond lengths



Bond angles

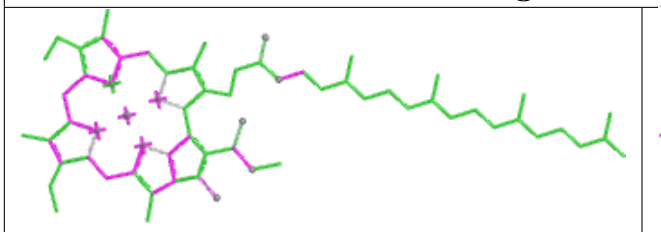


Torsions



Rings

Ligand CLA G 1115



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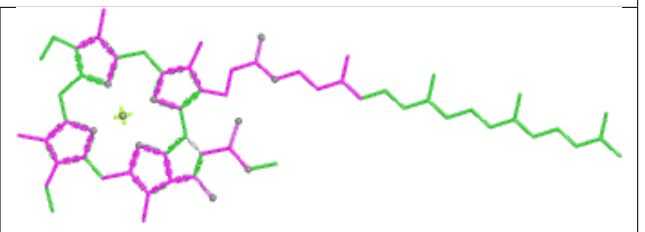
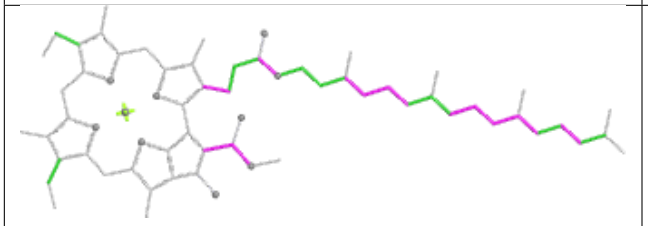
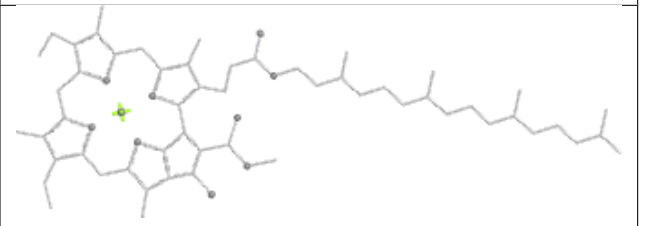


Bond angles

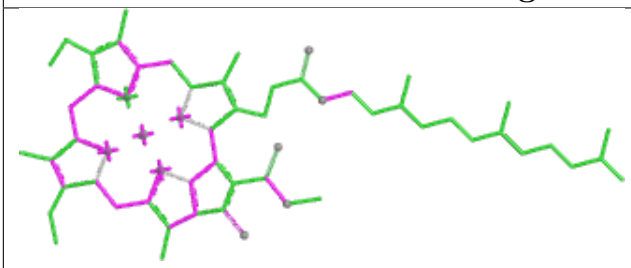


Torsions

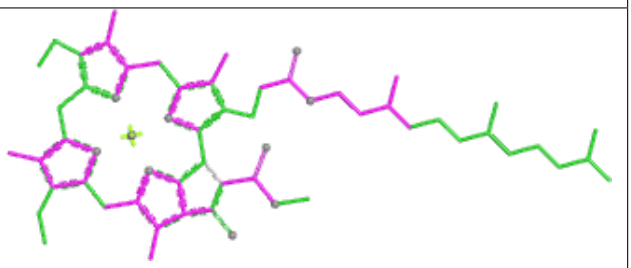


Rings

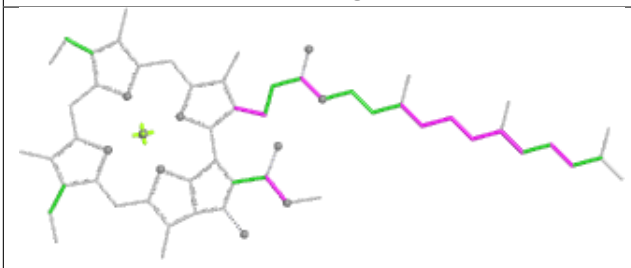
Ligand CLA b 1215



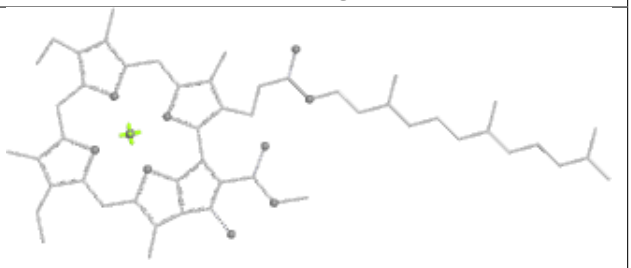
Bond lengths



Bond angles

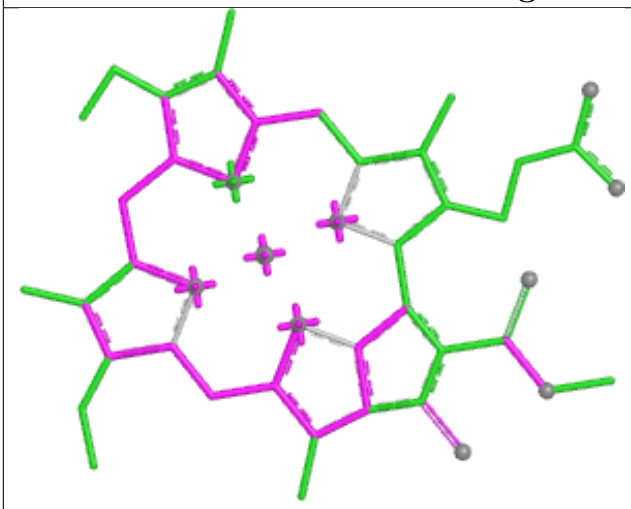


Torsions



Rings

Ligand CLA b 1209



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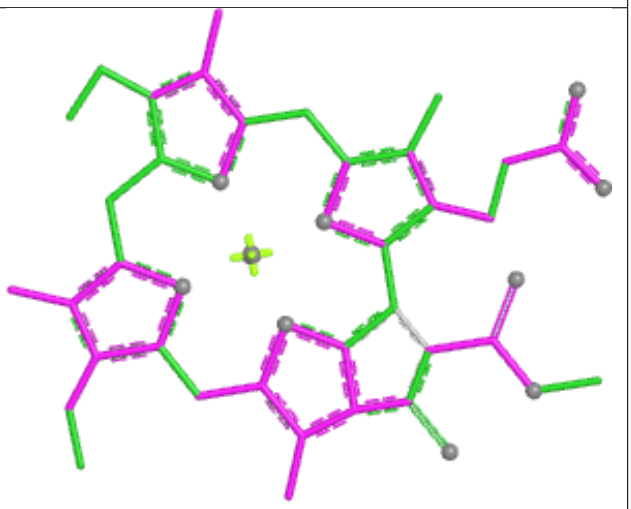
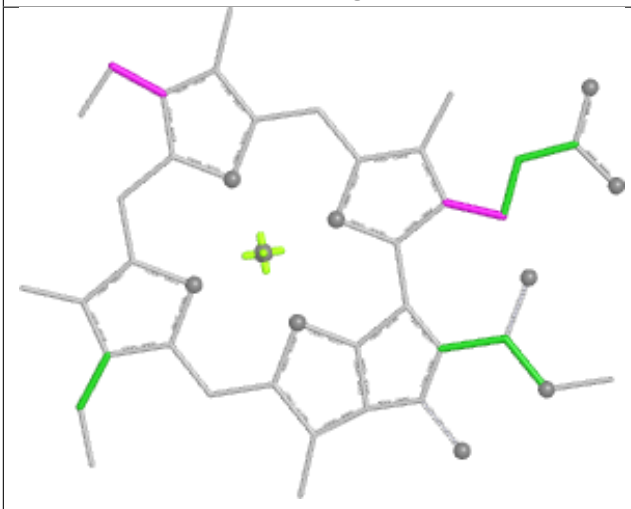


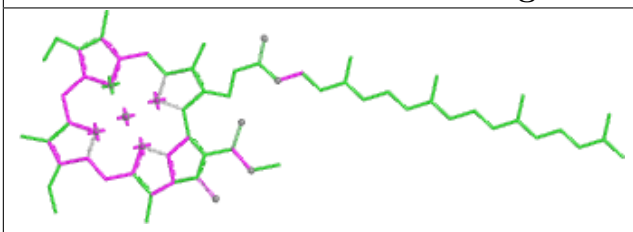
Bond angles



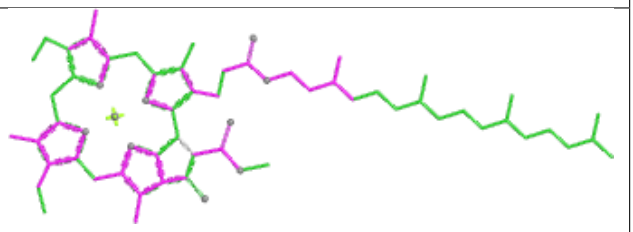
Torsions

Rings

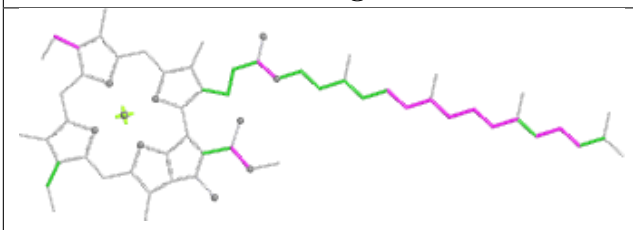
Ligand CLA b 1234



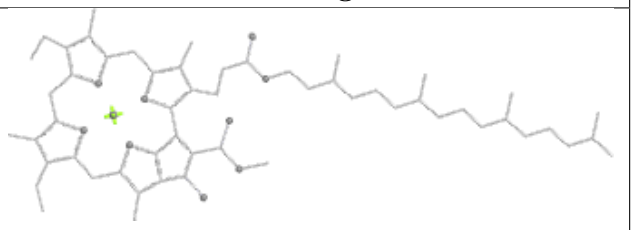
Bond lengths



Bond angles

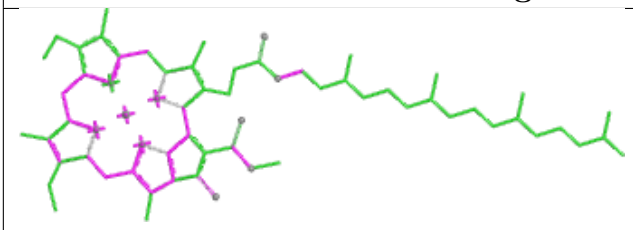


Torsions



Rings

Ligand CLA H 1239



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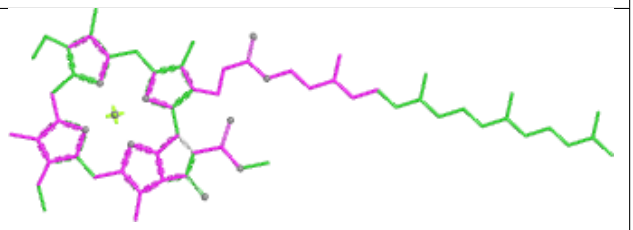
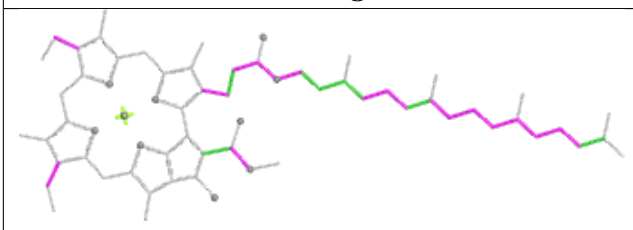
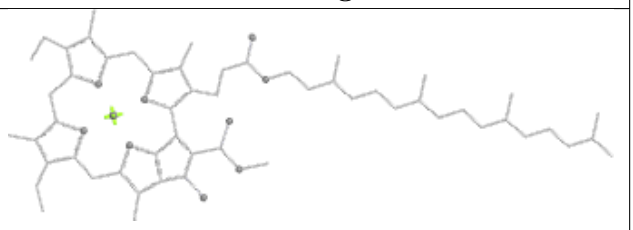


Bond angles

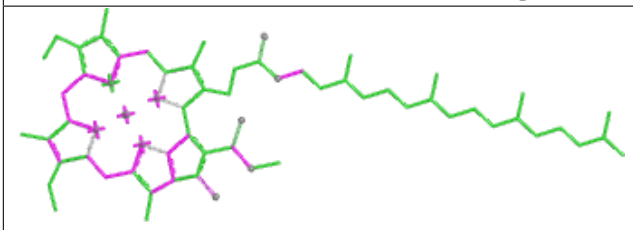


Torsions

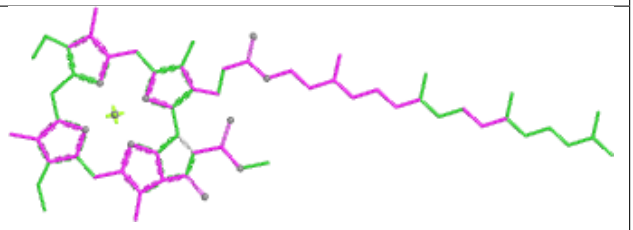


Rings

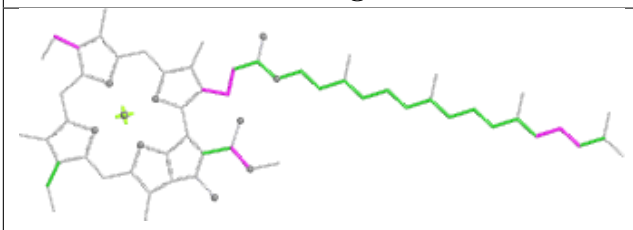
Ligand CLA G 1012



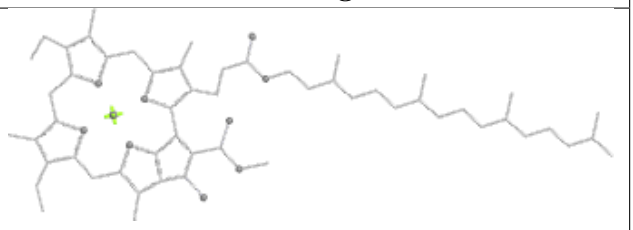
Bond lengths



Bond angles

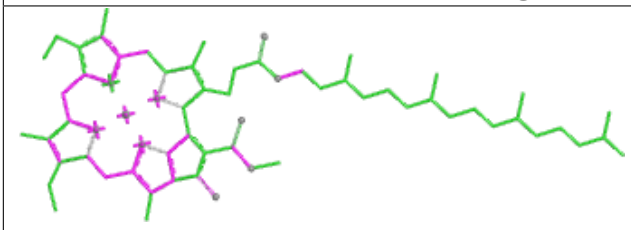


Torsions

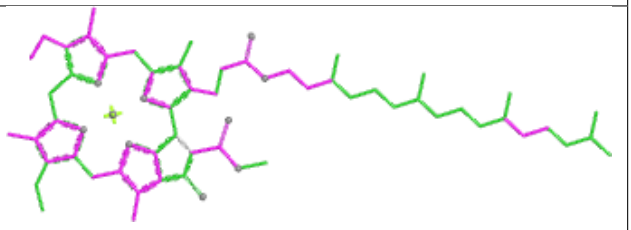


Rings

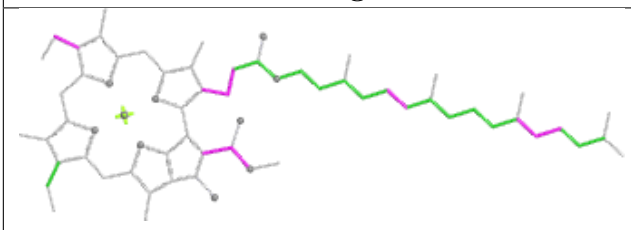
Ligand CLA A 1132



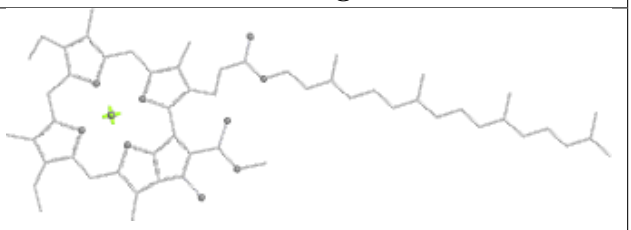
Bond lengths



Bond angles

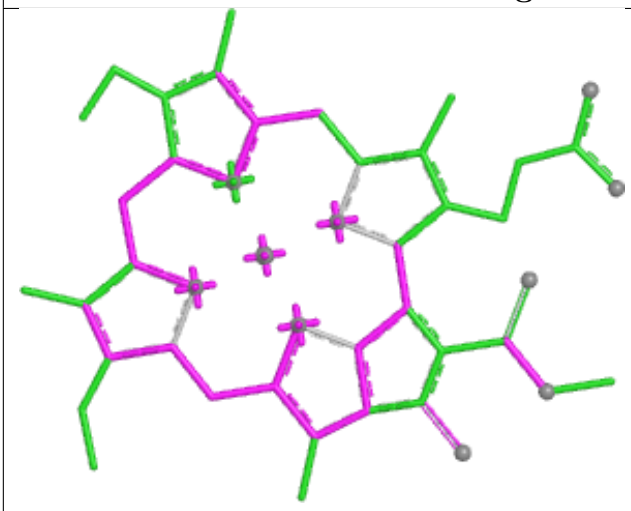


Torsions

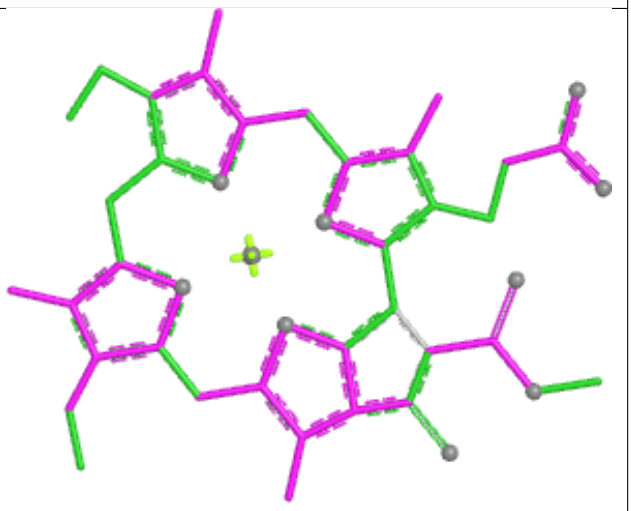


Rings

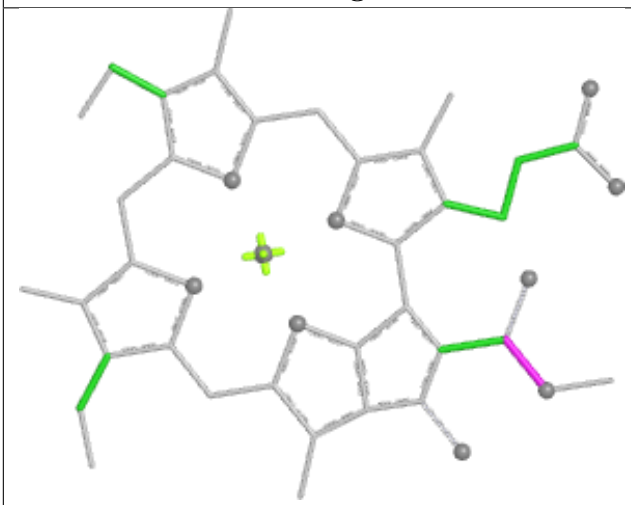
Ligand CLA B 1232



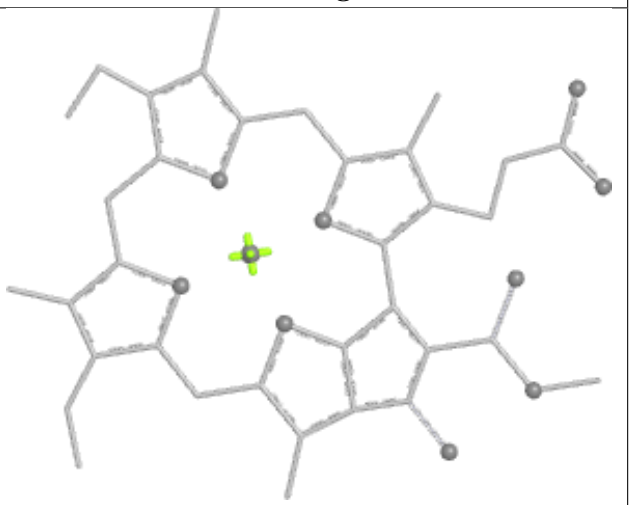
Bond lengths



Bond angles

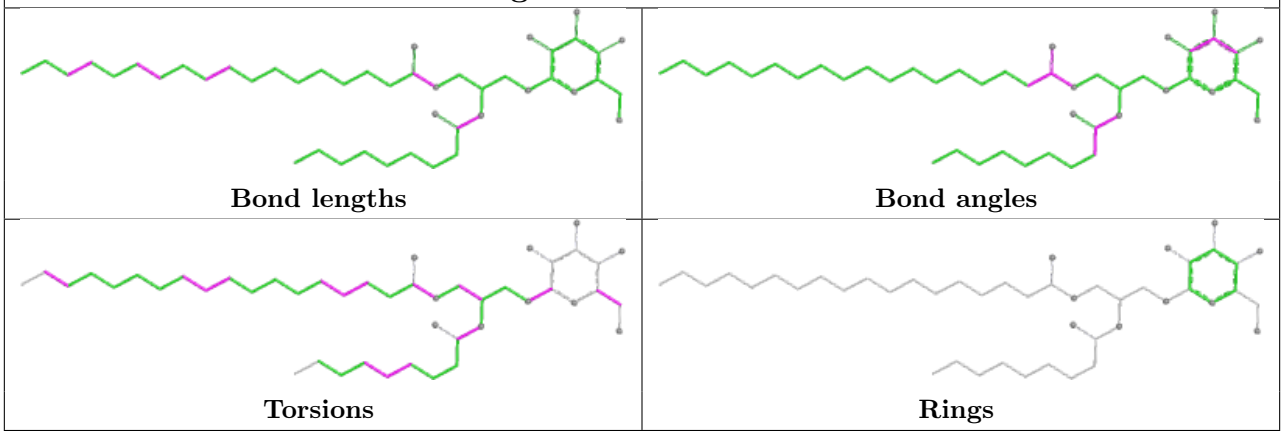


Torsions

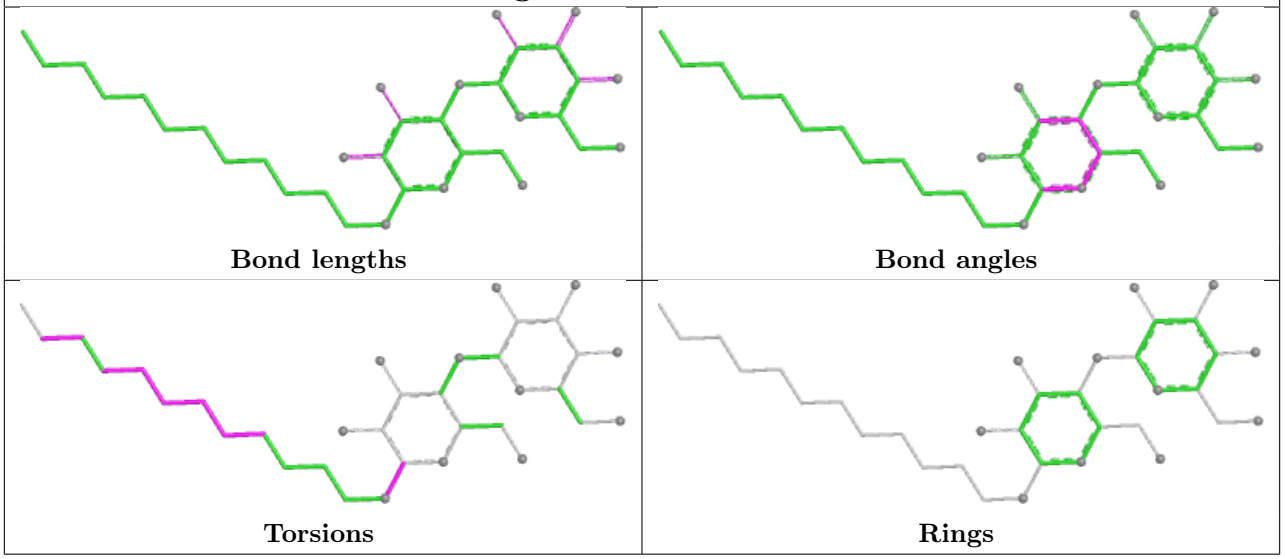


Rings

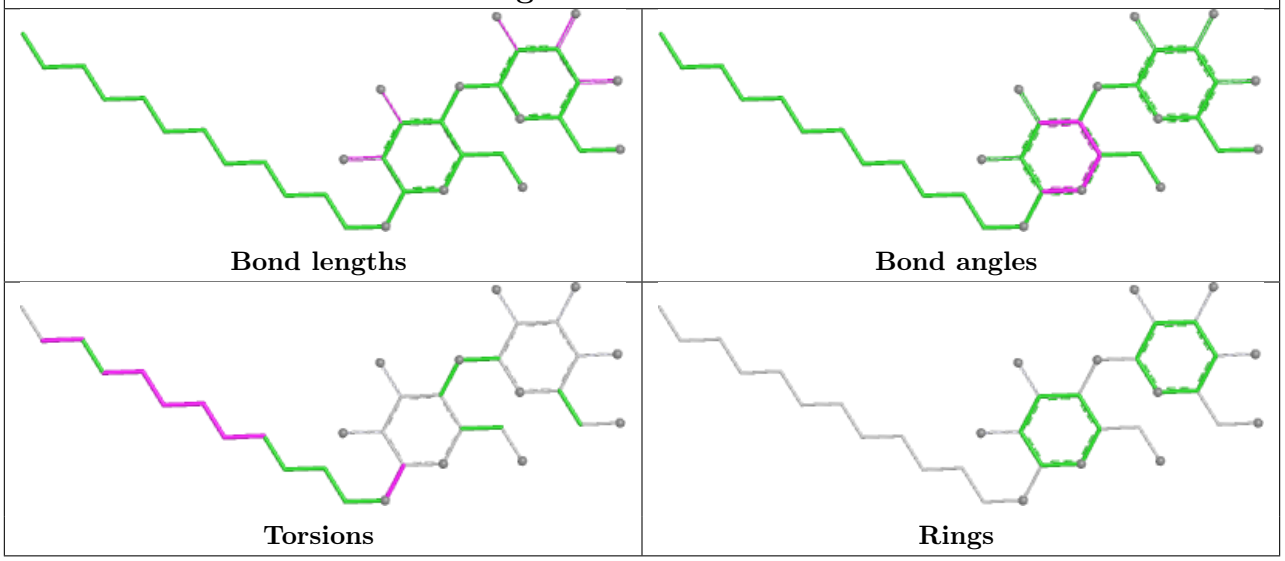
Ligand LMG G 5003



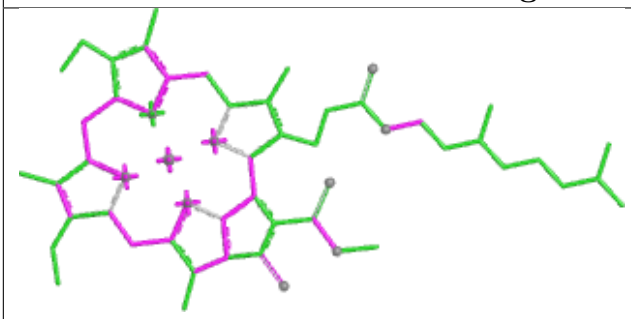
Ligand LMT B 6001



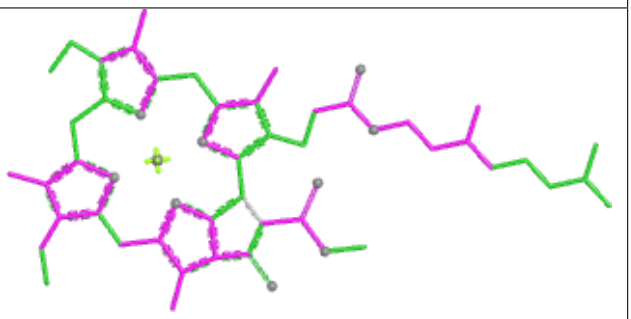
Ligand LMT b 6001



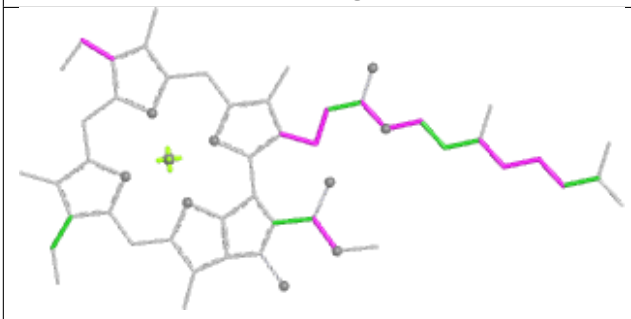
Ligand CLA a 1122



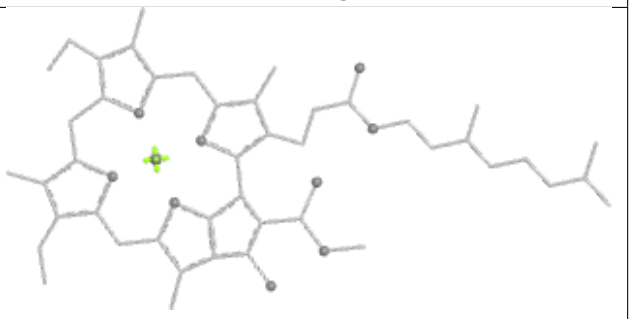
Bond lengths



Bond angles

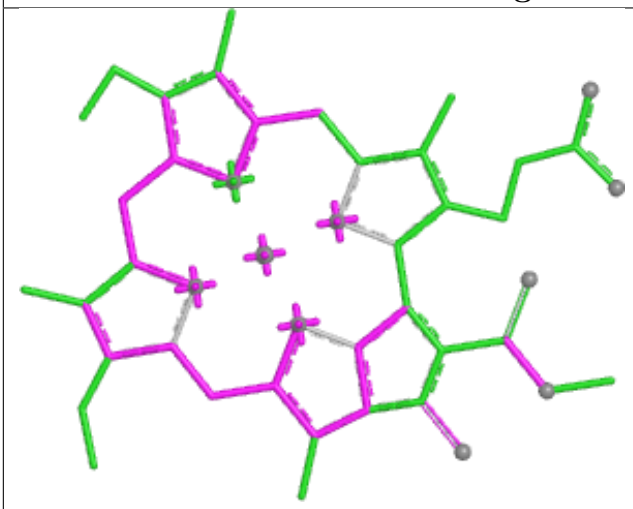


Torsions



Rings

Ligand CLA G 1114



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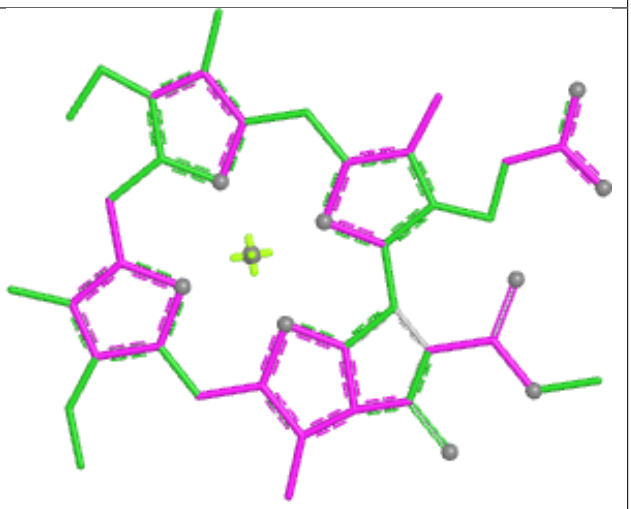
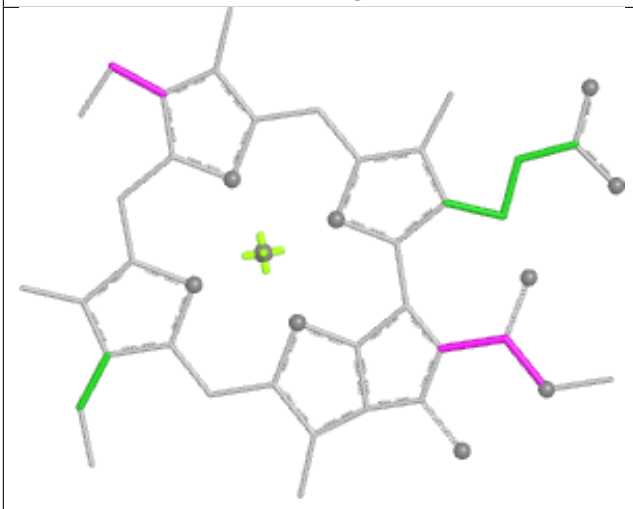


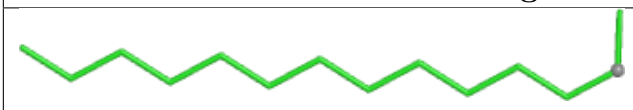
Bond angles



Torsions

Rings

Ligand LMT l 6001



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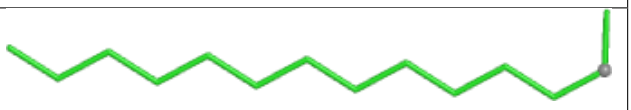
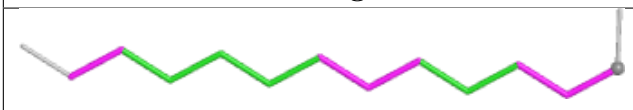
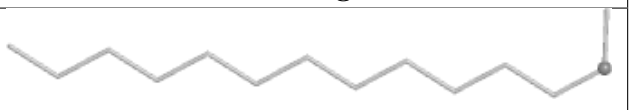


Bond angles

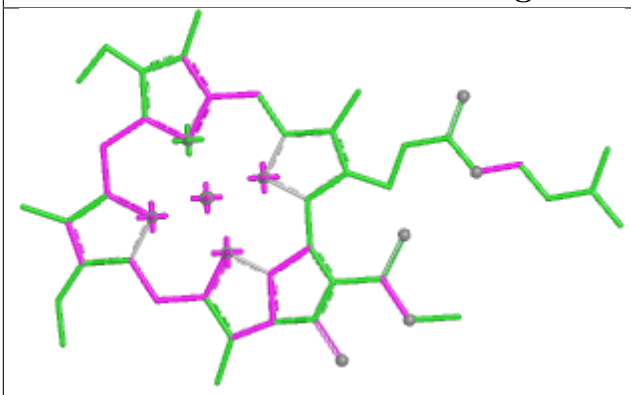


Torsions

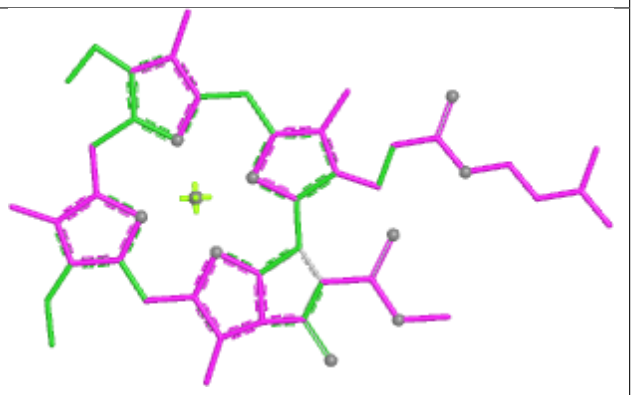


Rings

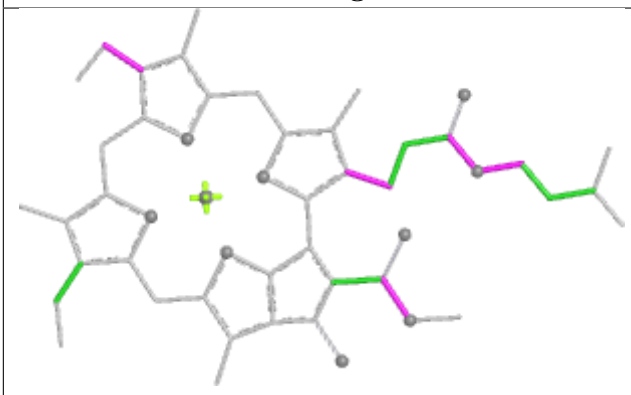
Ligand CLA V 1501



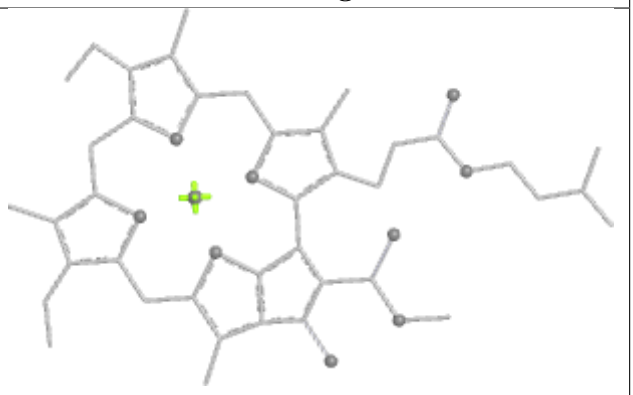
Bond lengths



Bond angles

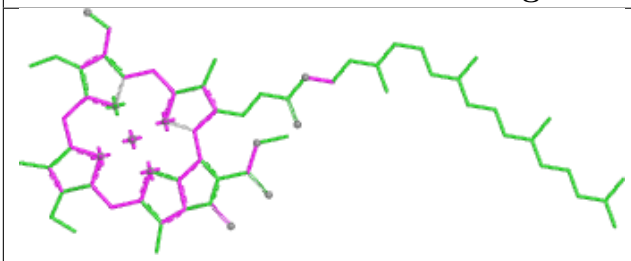


Torsions



Rings

Ligand F6C b 1207



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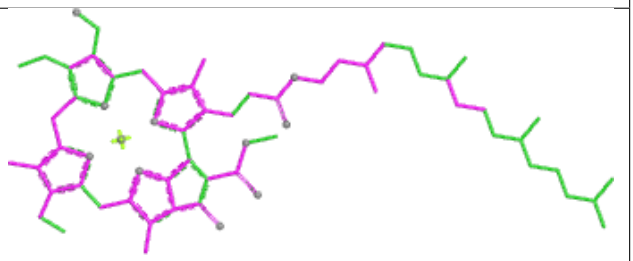
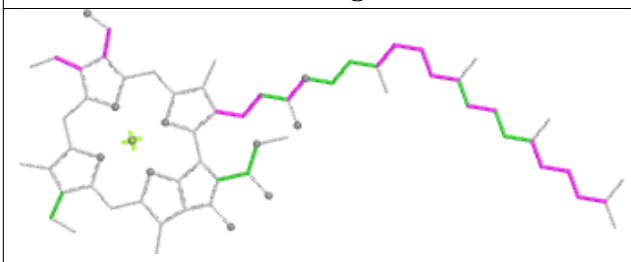


Bond angles



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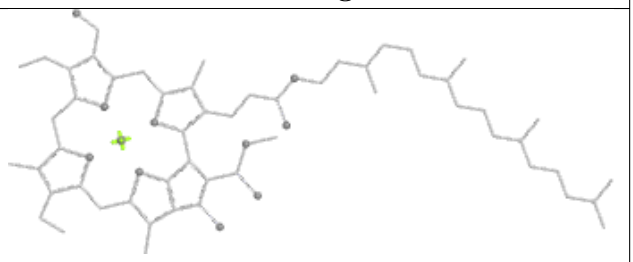
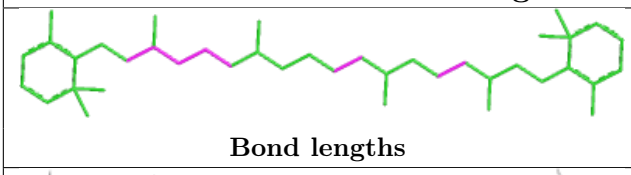
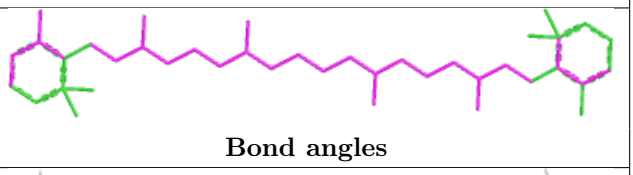


Rings

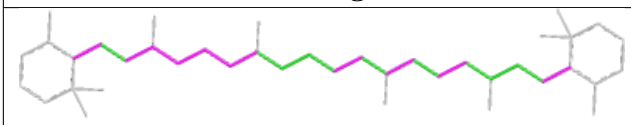
Ligand BCR K 4001



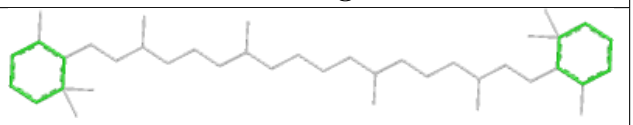
Bond lengths



Bond angles

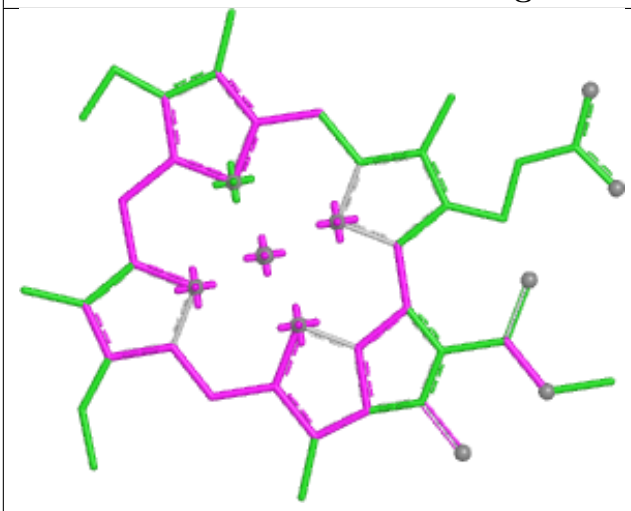


Torsions

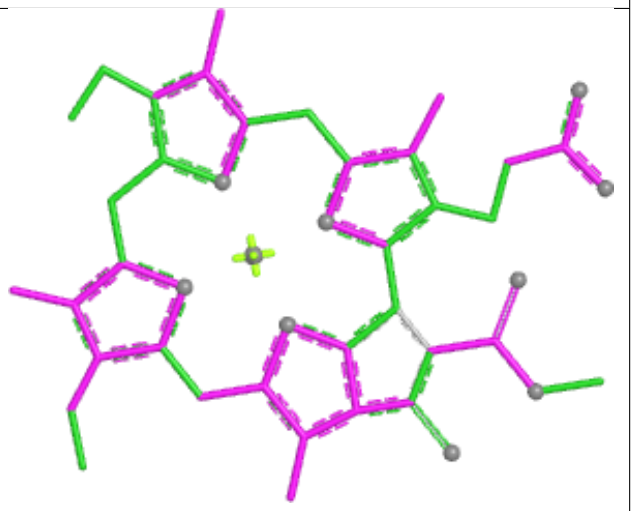


Rings

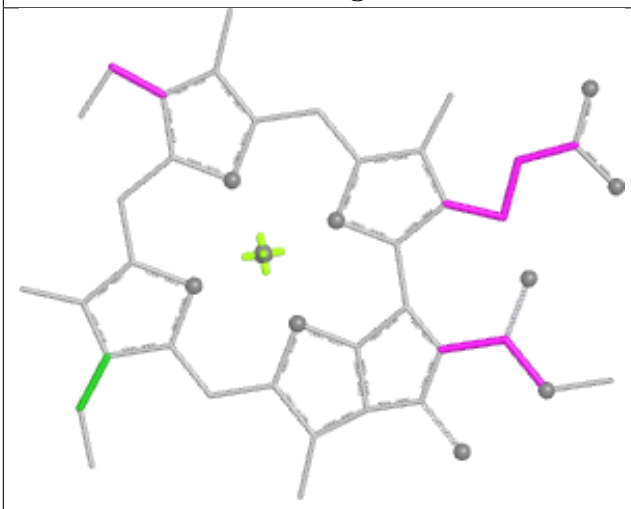
Ligand CLA A 1141



Bond lengths



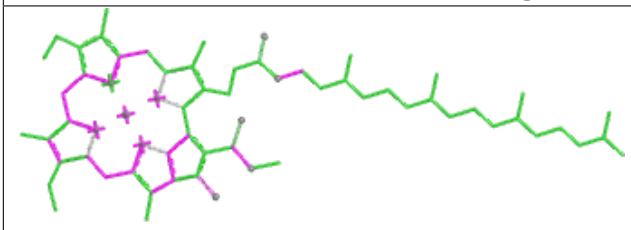
Bond angles



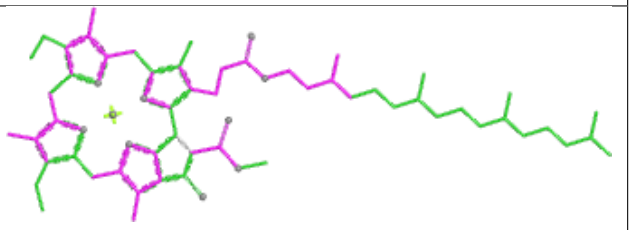
Torsions

Rings

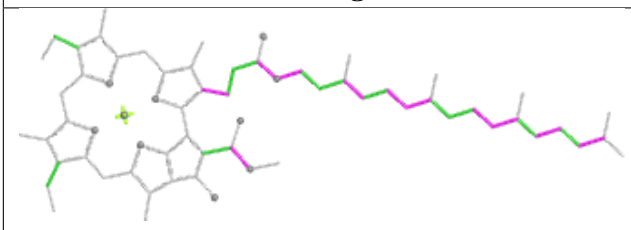
Ligand CLA b 1226



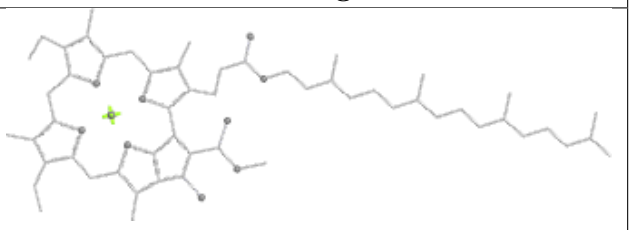
Bond lengths



Bond angles

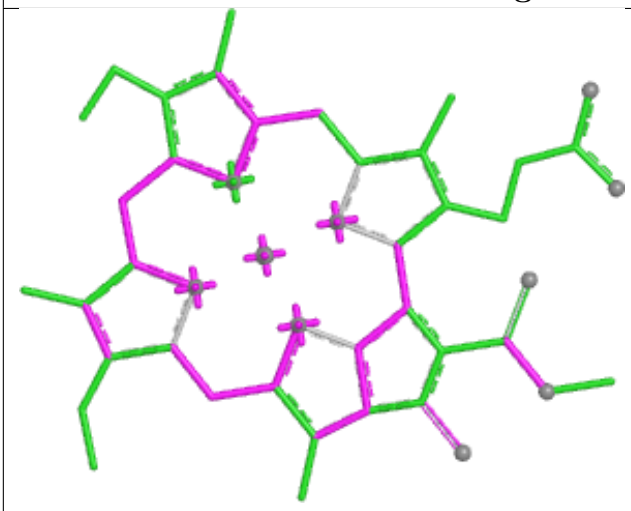


Torsions

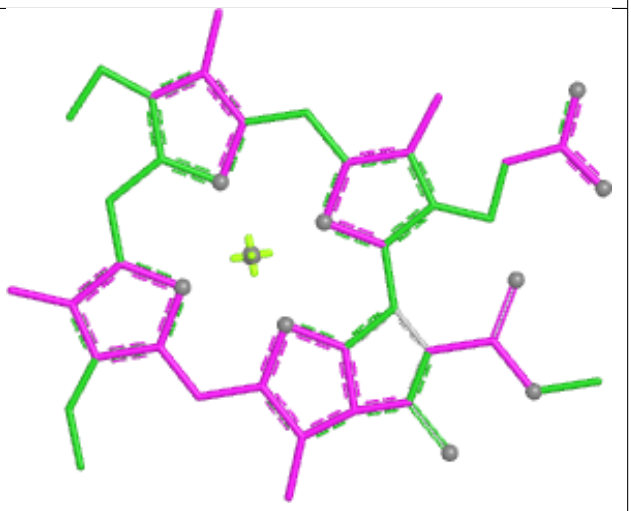


Rings

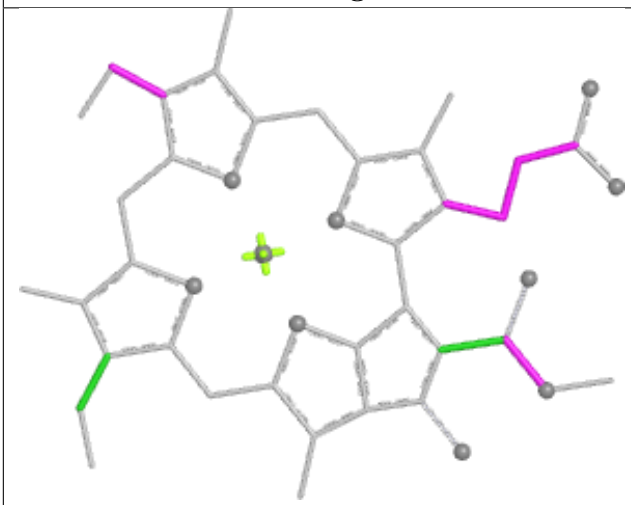
Ligand CLA H 1217



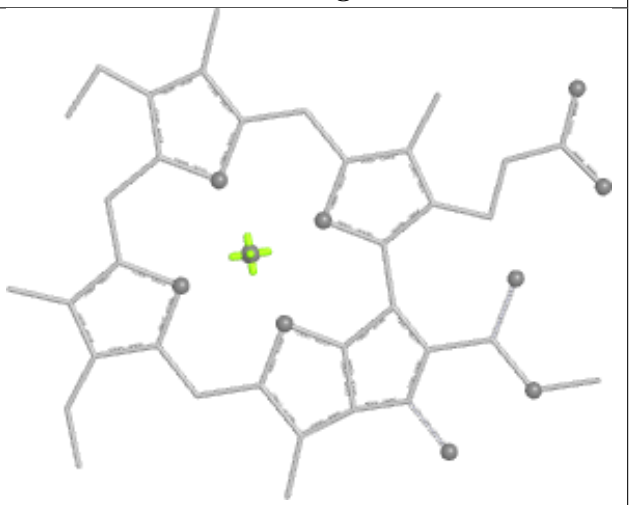
Bond lengths



Bond angles

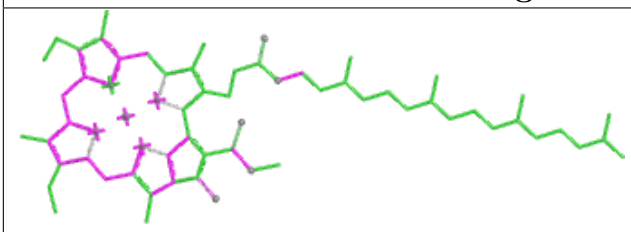


Torsions

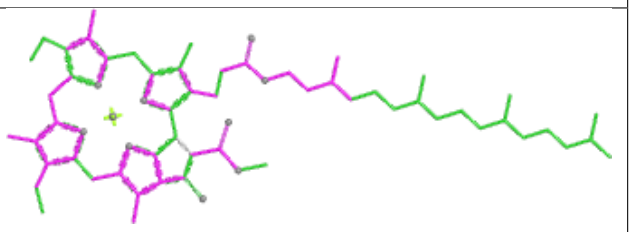


Rings

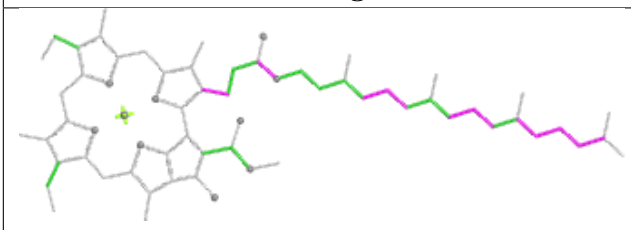
Ligand CLA B 1211



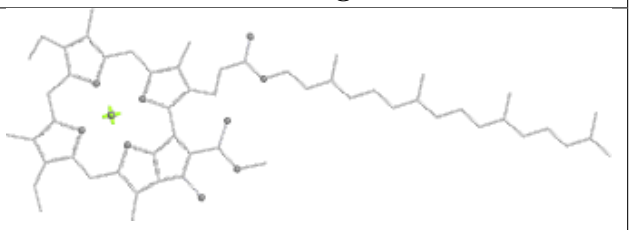
Bond lengths



Bond angles

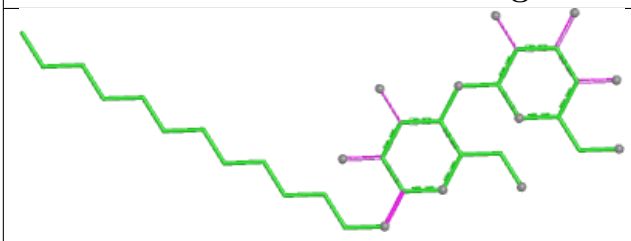


Torsions

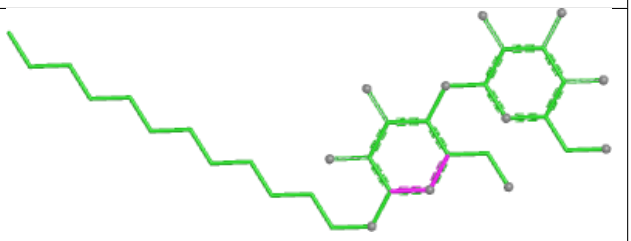


Rings

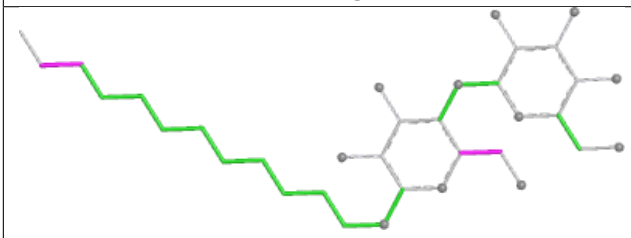
Ligand LMT H 6002



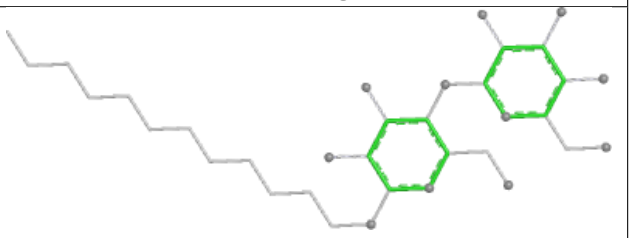
Bond lengths



Bond angles

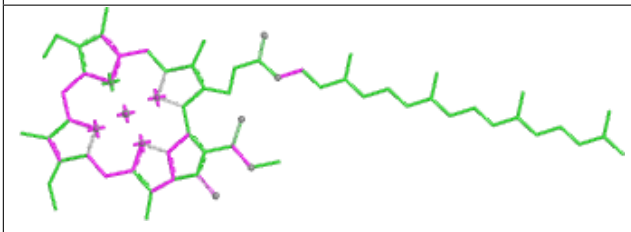


Torsions



Rings

Ligand CLA B 1224



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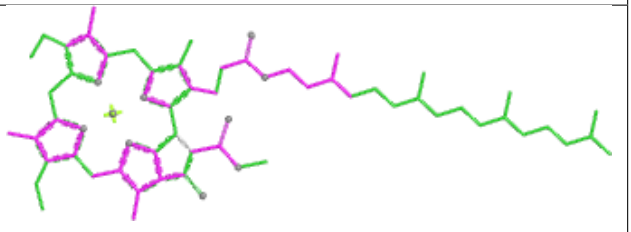
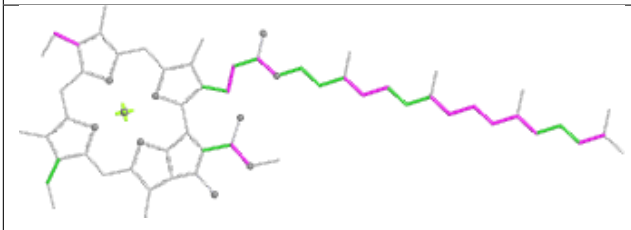
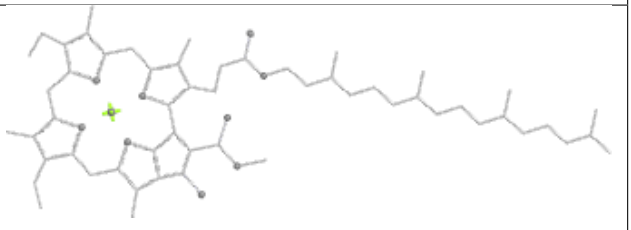


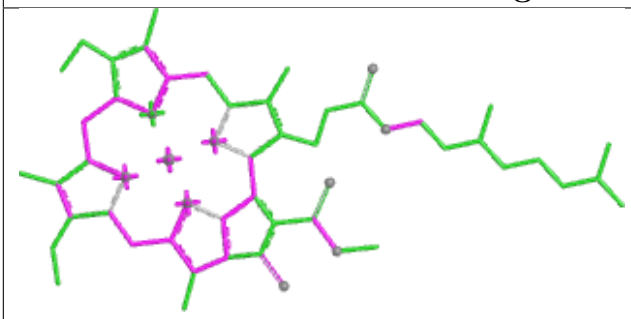
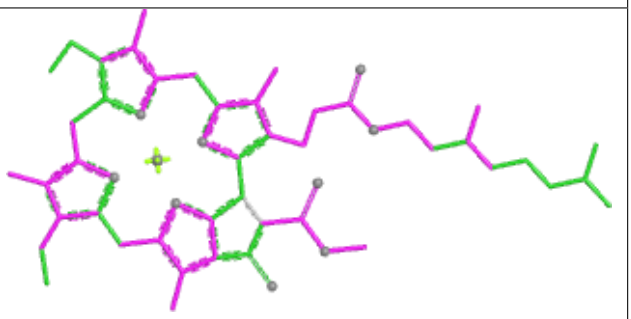
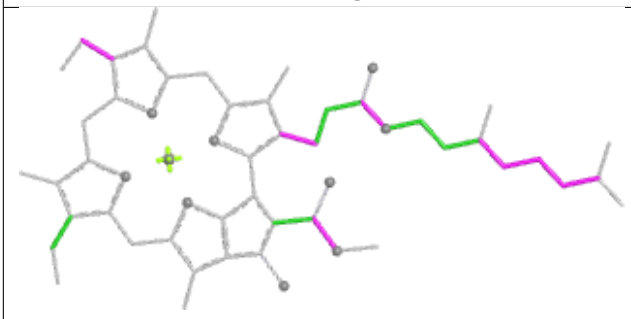
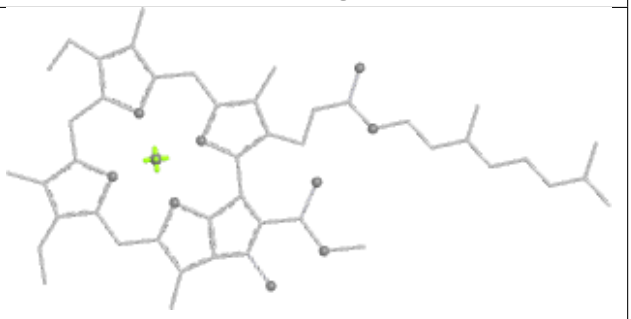
Bond angles

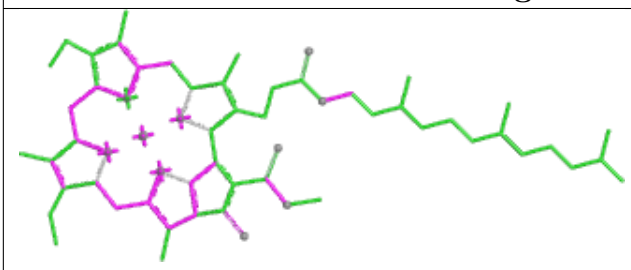
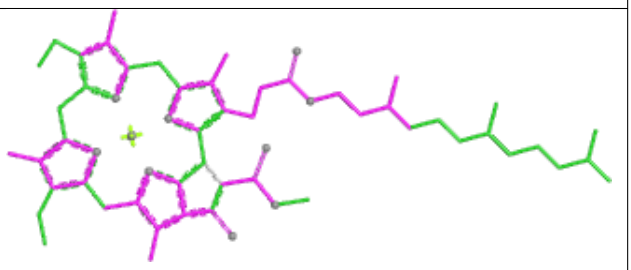
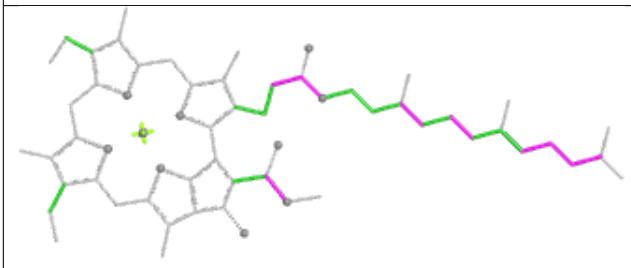
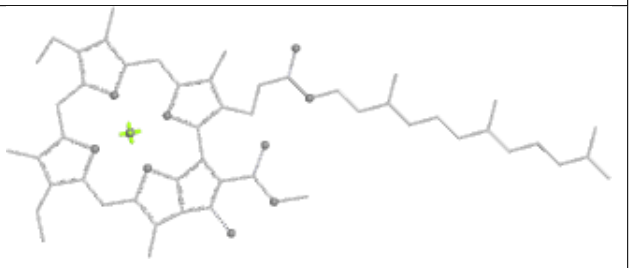


Torsions

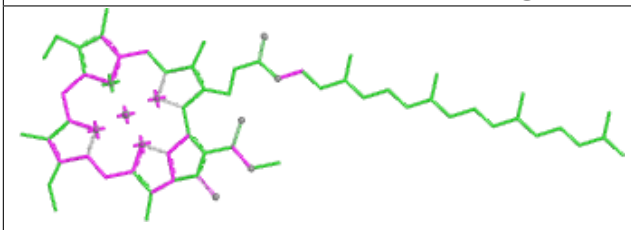


Rings

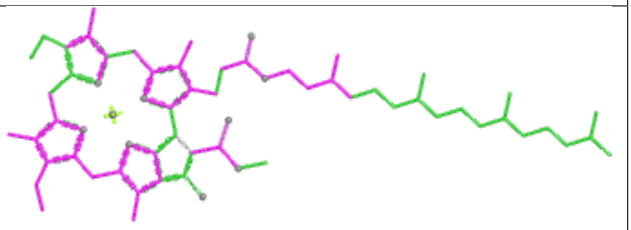
Ligand CLA G 1138	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1235	
	
Bond lengths	Bond angles
	
Torsions	Rings

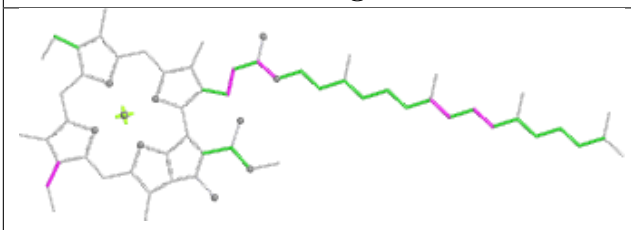
Ligand CLA b 1023



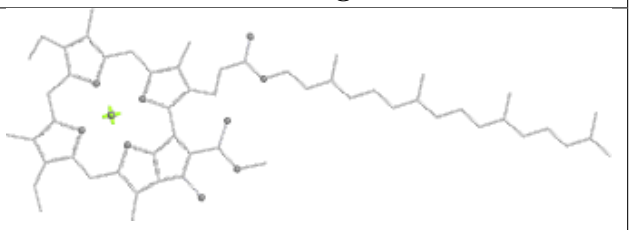
Bond lengths



Bond angles

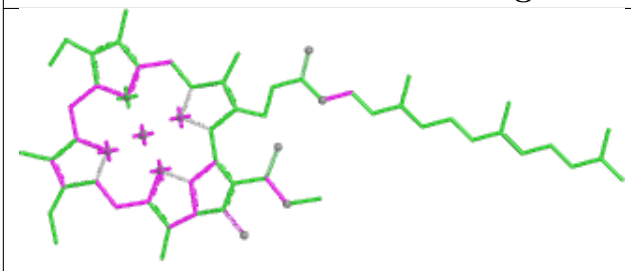


Torsions



Rings

Ligand CLA A 1128



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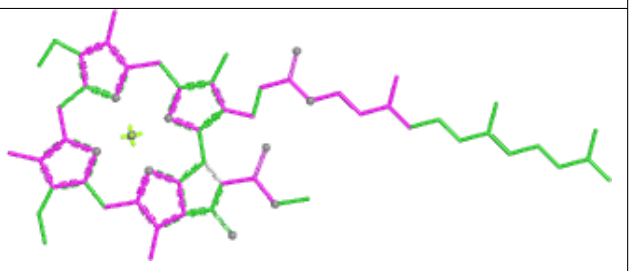
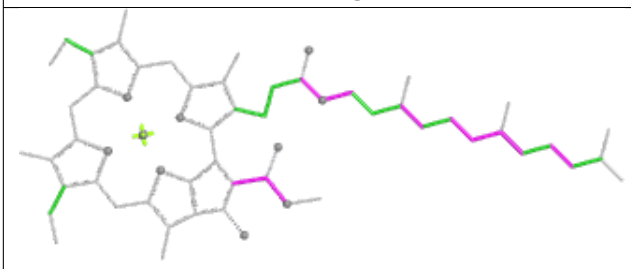
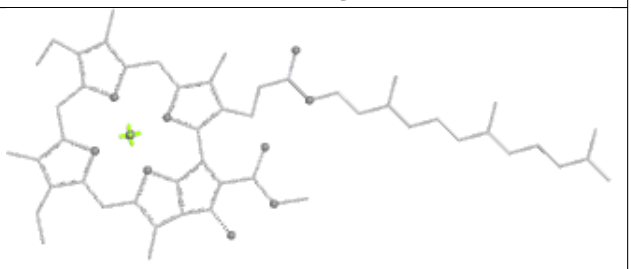


Bond angles

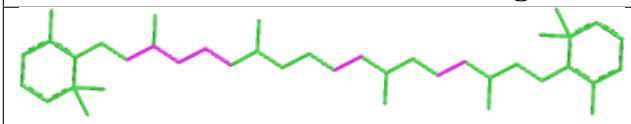


Torsions



Rings

Ligand BCR H 4006



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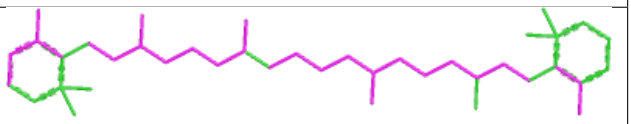
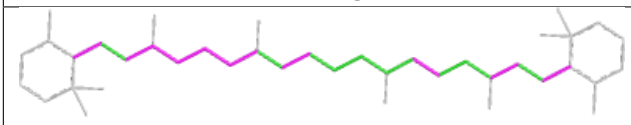


Bond angles



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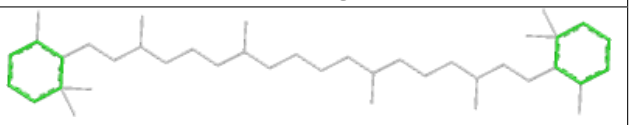
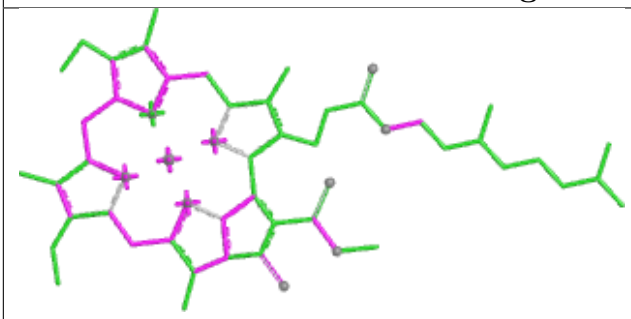


Rings

Ligand CLA a 1140



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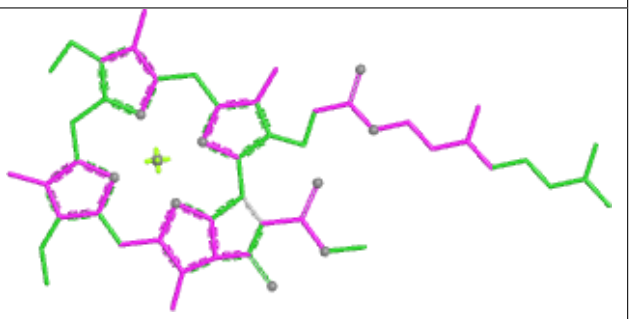
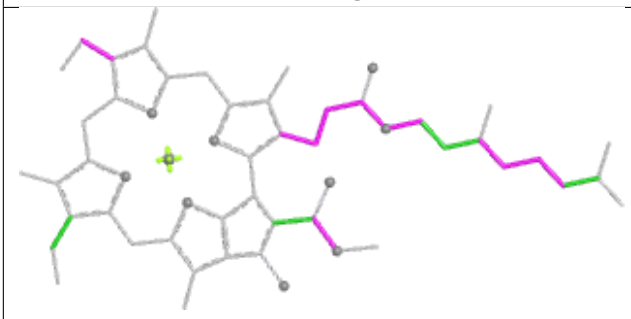
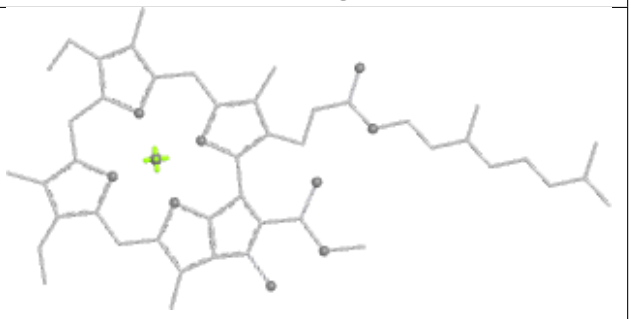


Bond angles

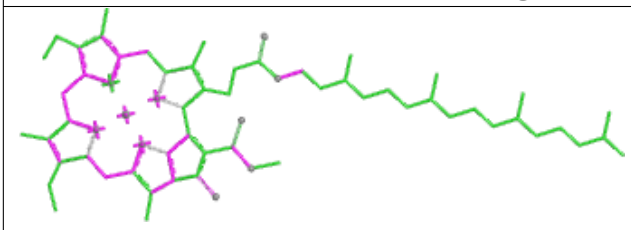


Torsions



Rings

Ligand CLA H 1202



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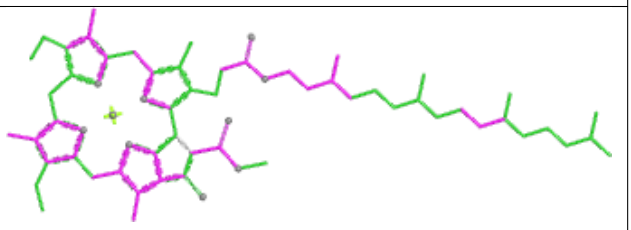
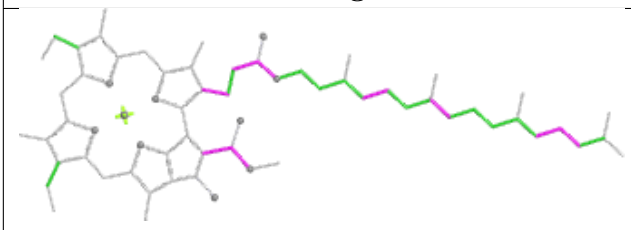
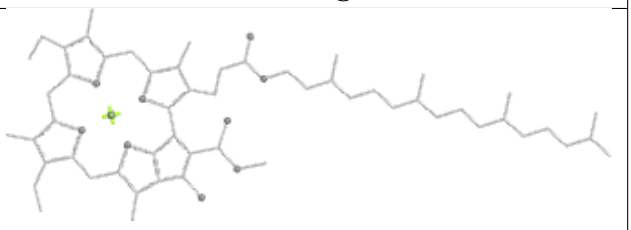


Bond angles

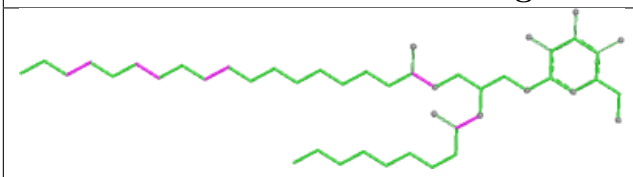


Torsions



Rings

Ligand LMG a 5003



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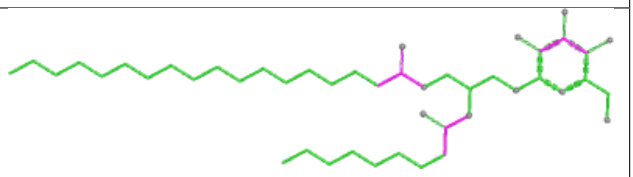
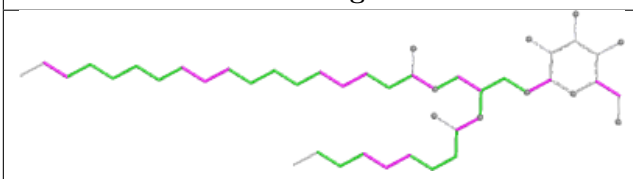
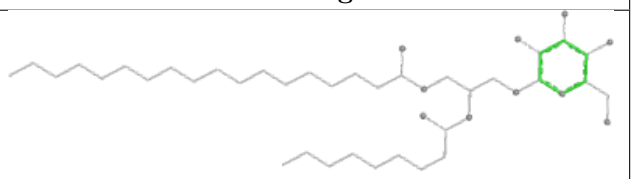


Bond angles

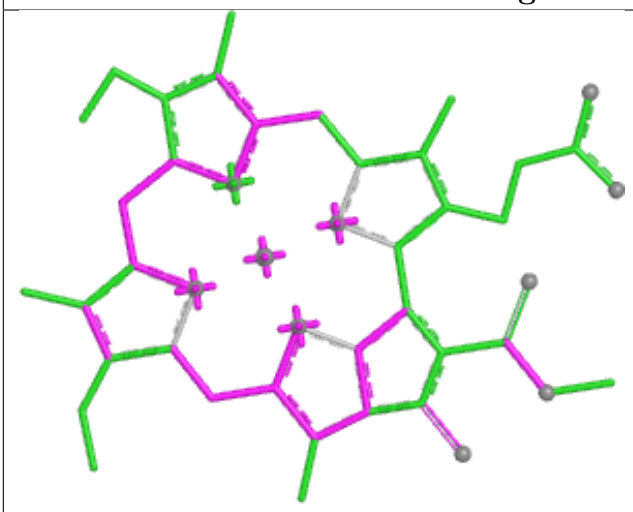


Torsions

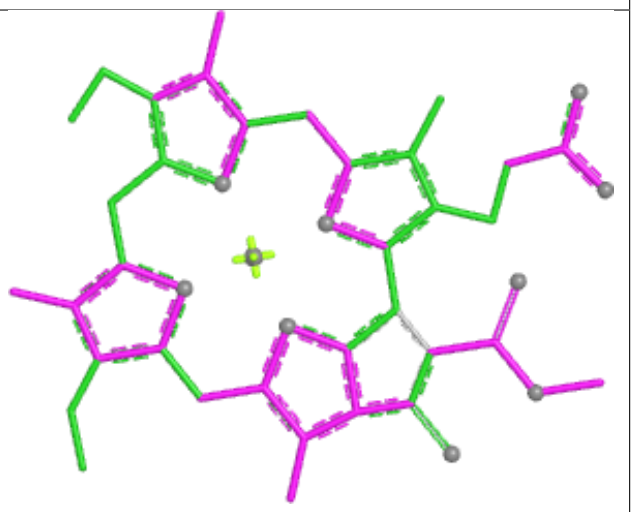


Rings

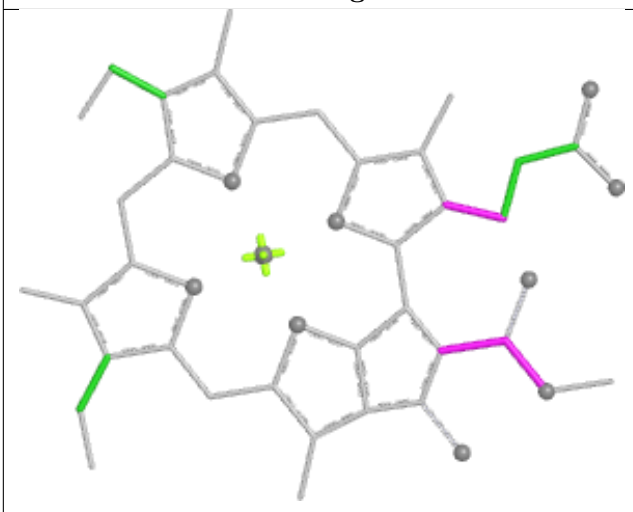
Ligand CLA b 1218



Bond lengths

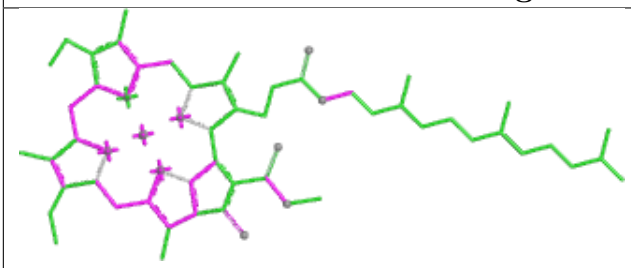
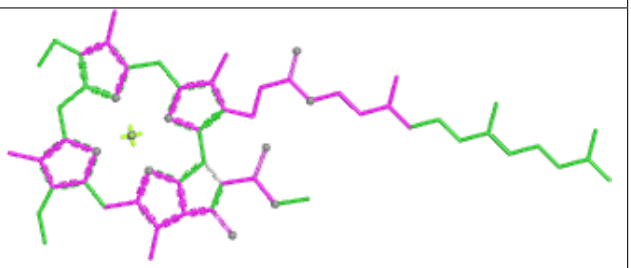
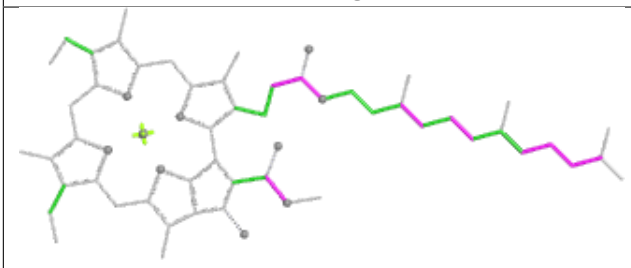
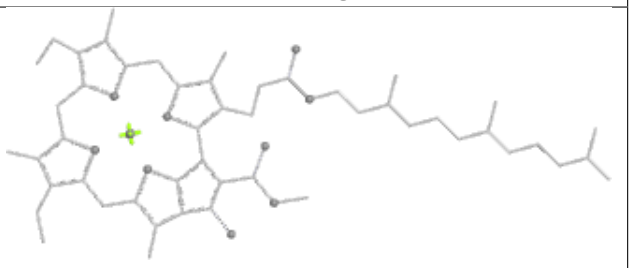


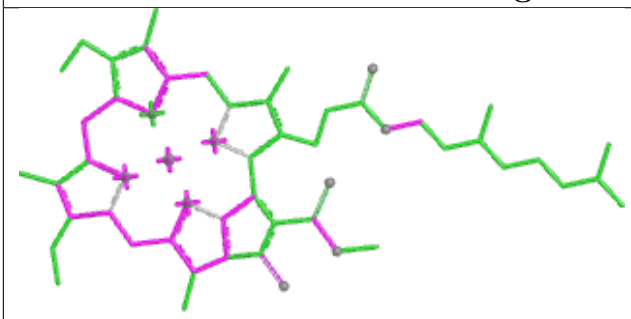
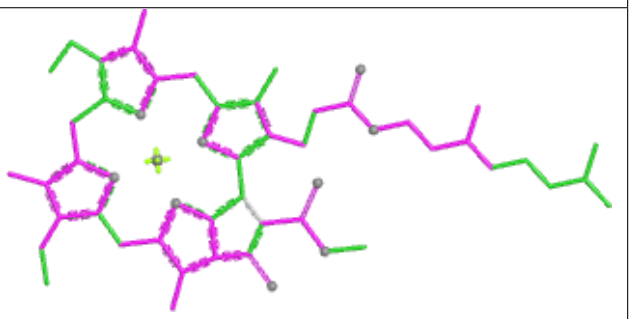
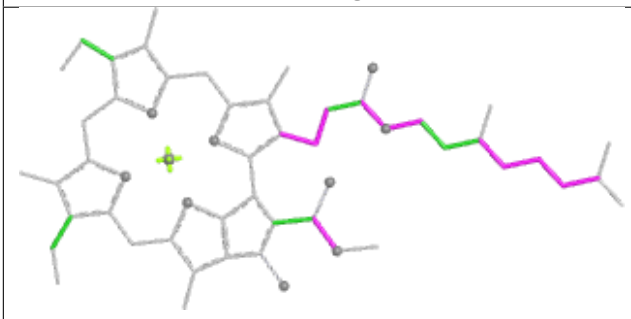
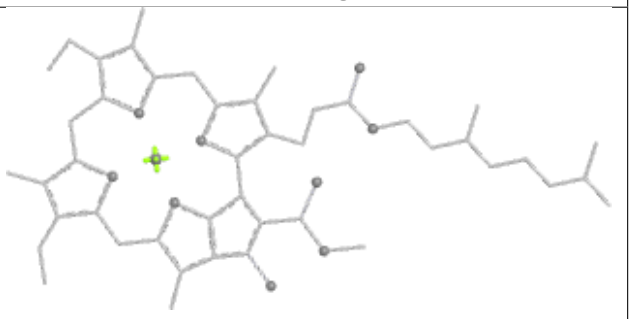
Bond angles



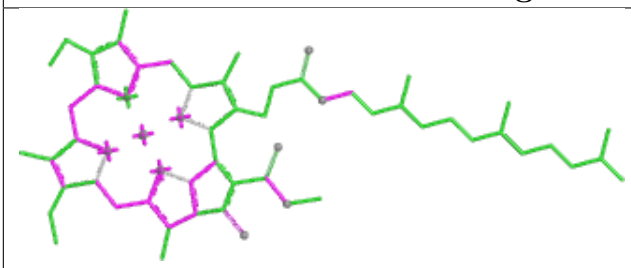
Torsions

Rings

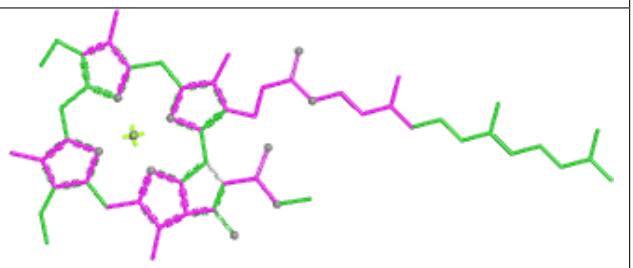
Ligand CLA B 1235	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1228	
	
Bond lengths	Bond angles
	
Torsions	Rings

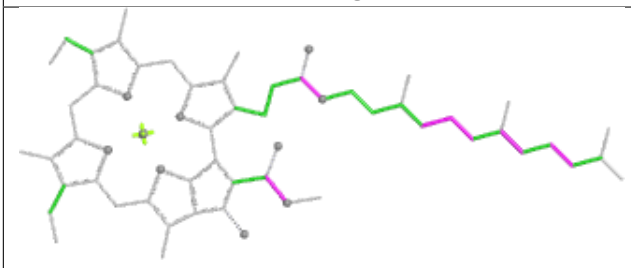
Ligand CLA B 1208



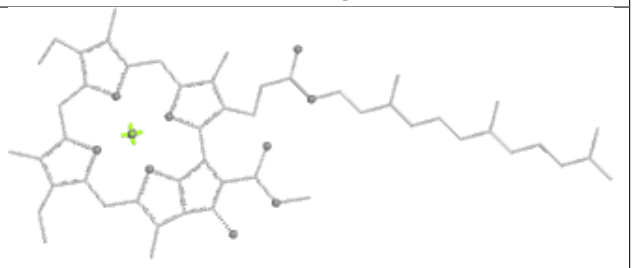
Bond lengths



Bond angles



Torsions



Rings

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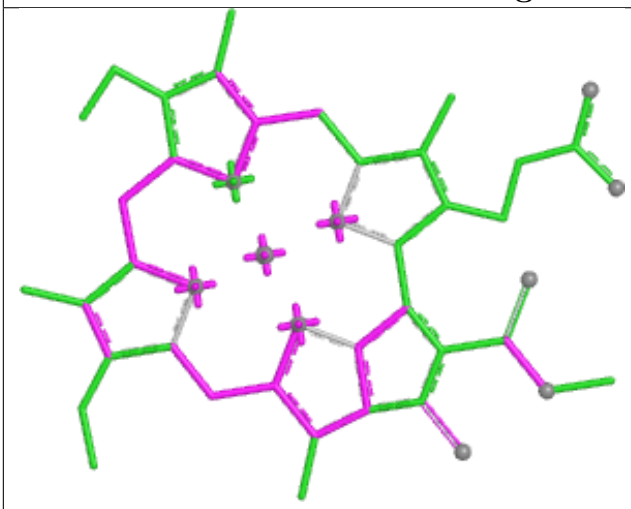

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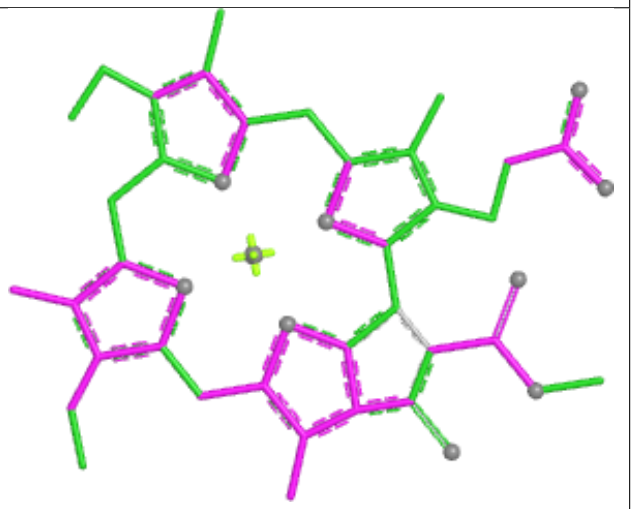
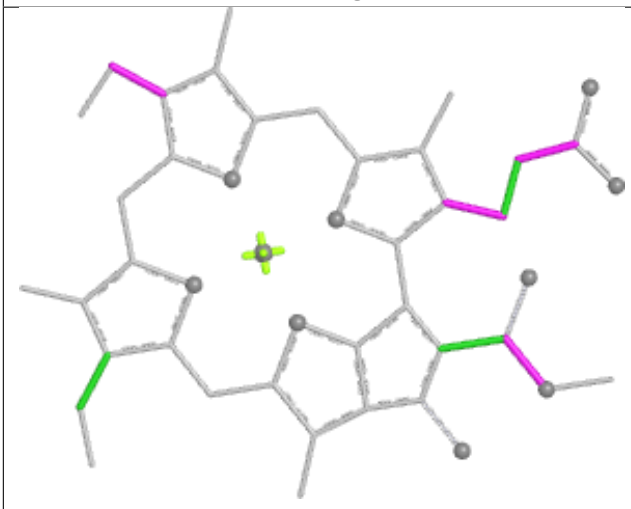


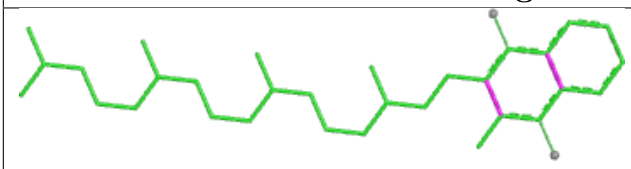
Bond angles



Torsions

Rings

Ligand PQN b 2002



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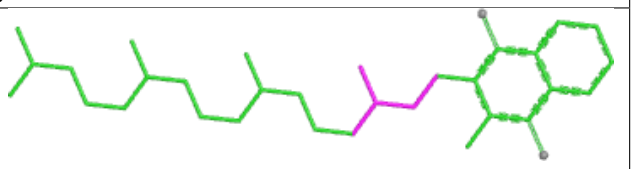

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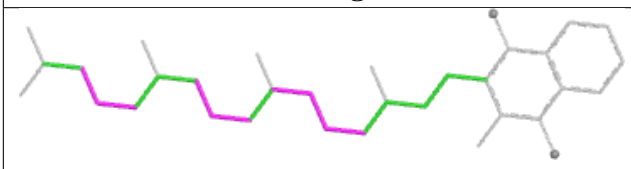

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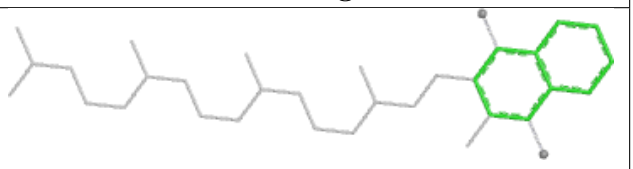
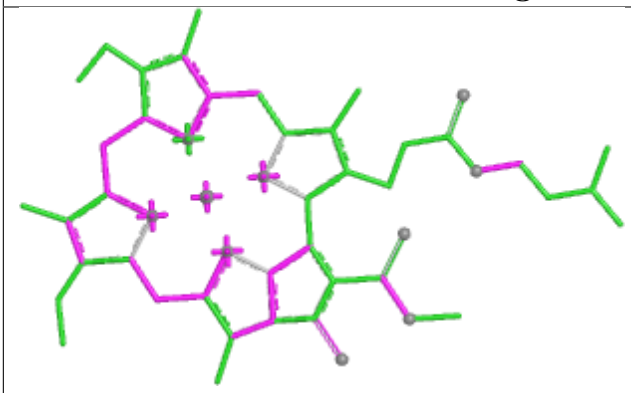


Rings

Ligand CLA G 1137



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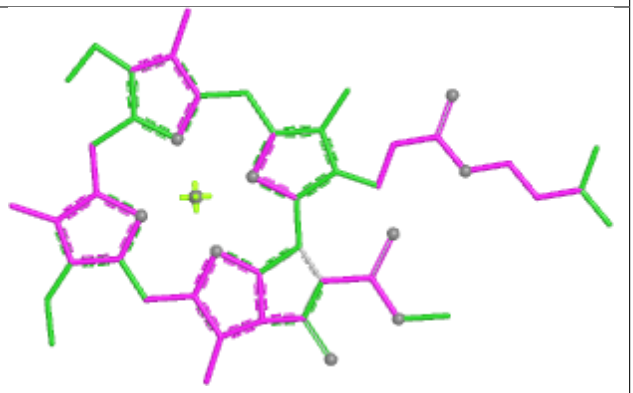

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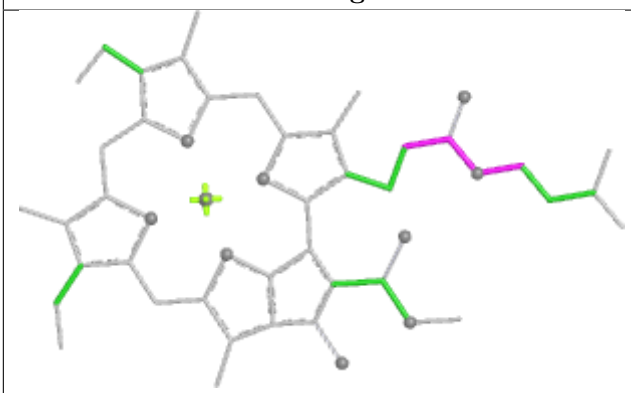

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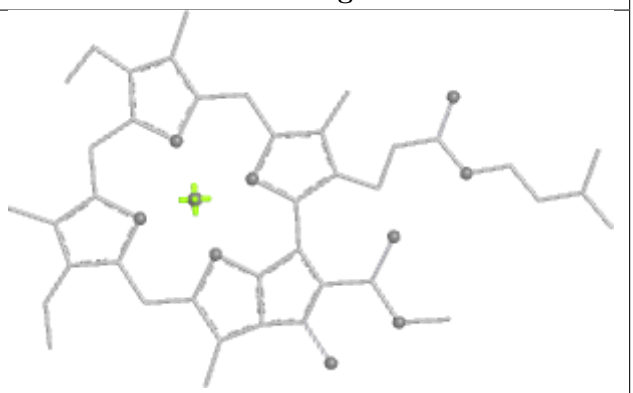
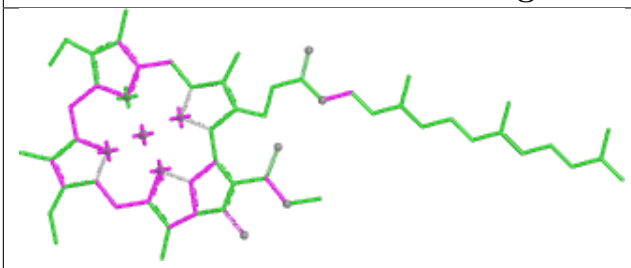
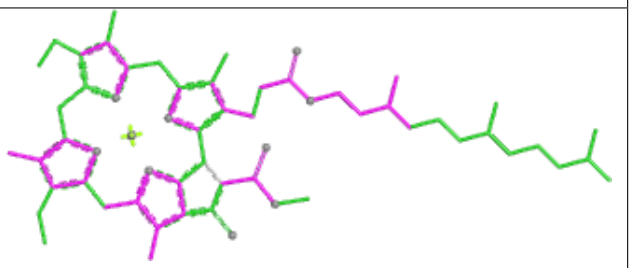
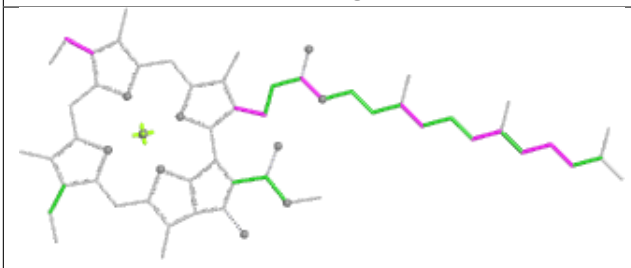
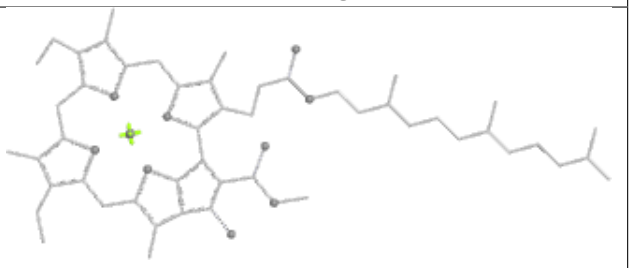


Rings

Ligand CLA L 1502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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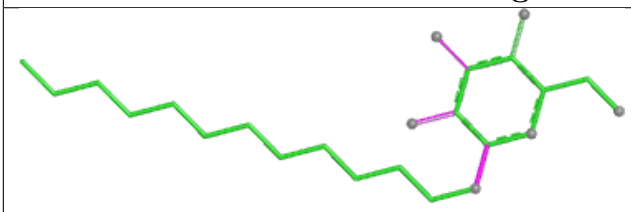
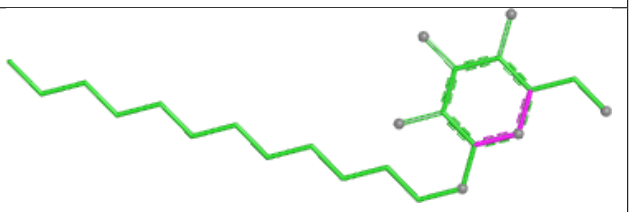
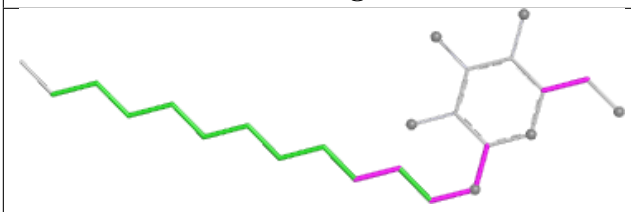
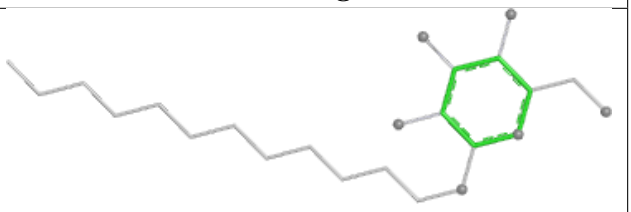
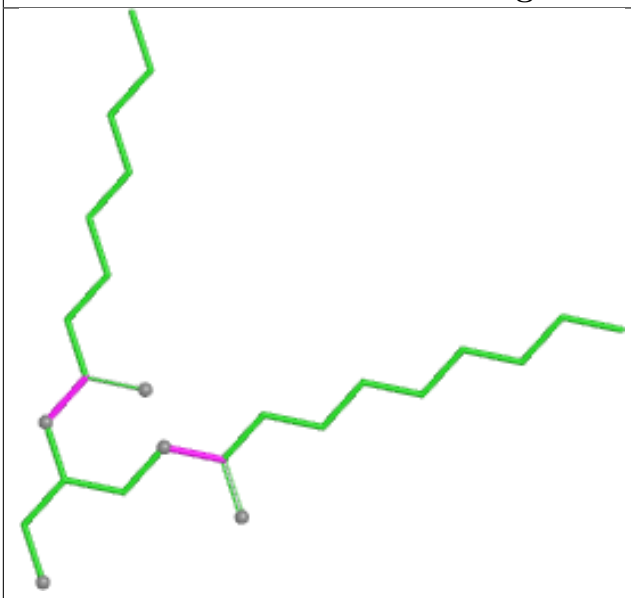
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand LHG L 5101



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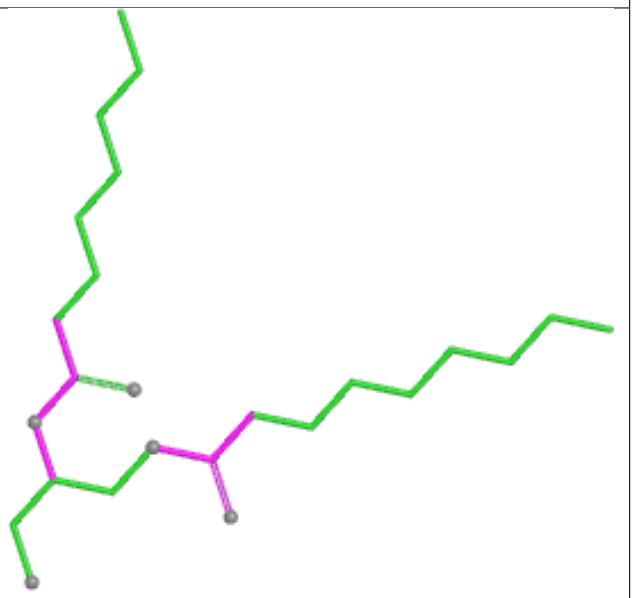
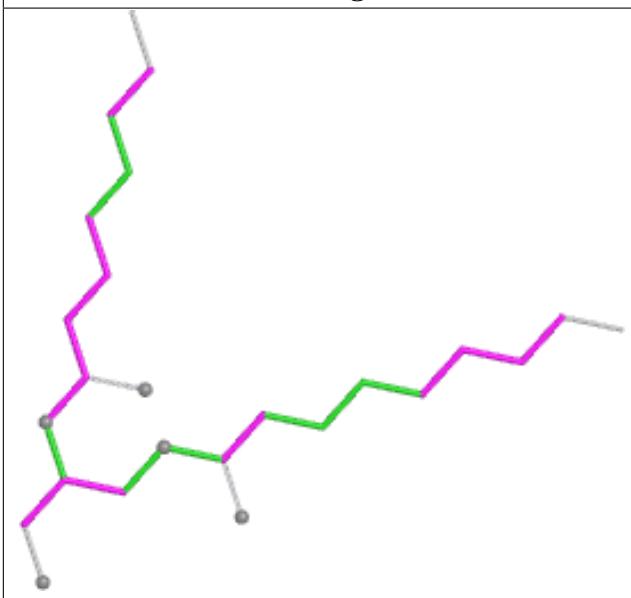
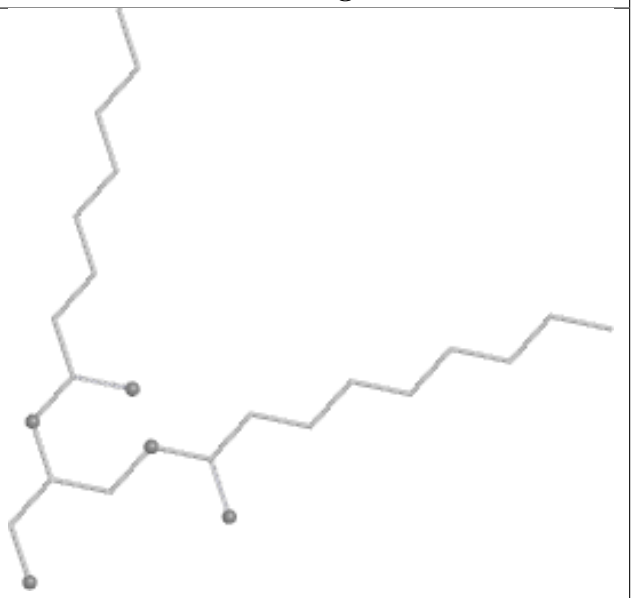


Bond angles

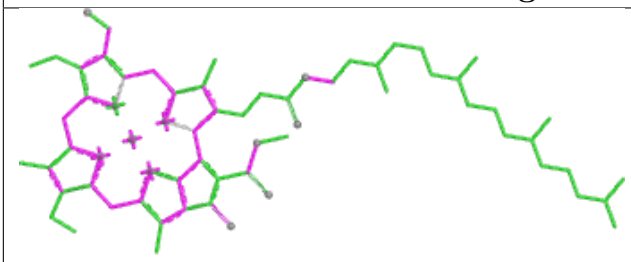


Torsions



Rings

Ligand F6C H 1207



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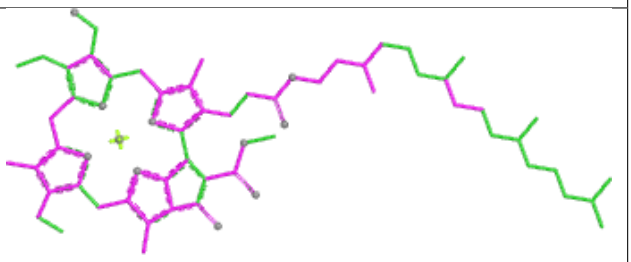

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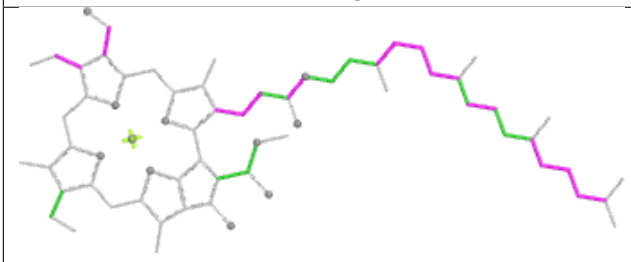

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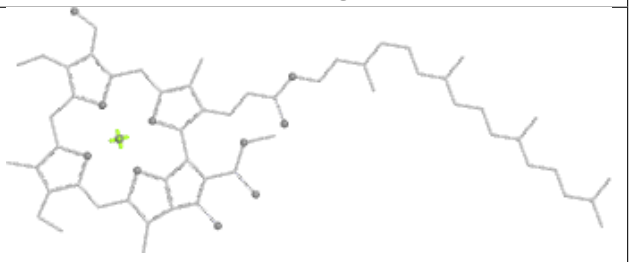
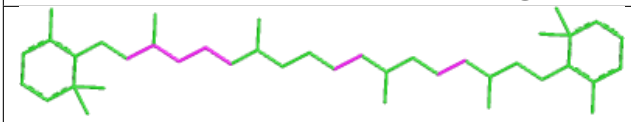


Rings

Ligand BCR b 4005



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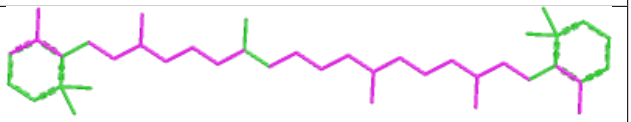
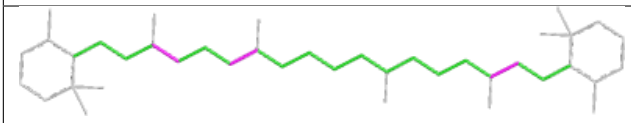


Bond angles



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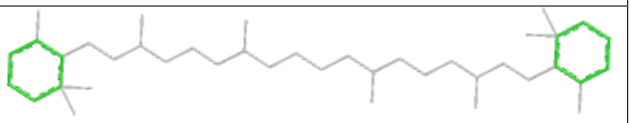
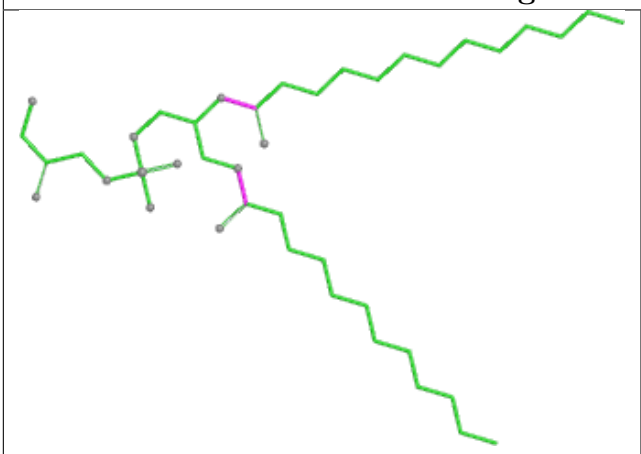


Rings

Ligand LHG a 5001



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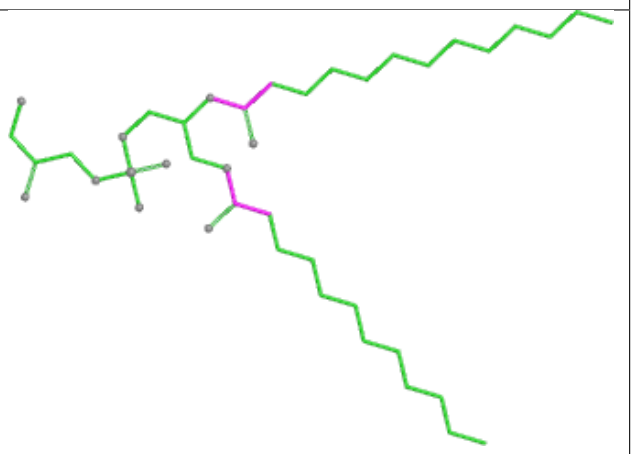
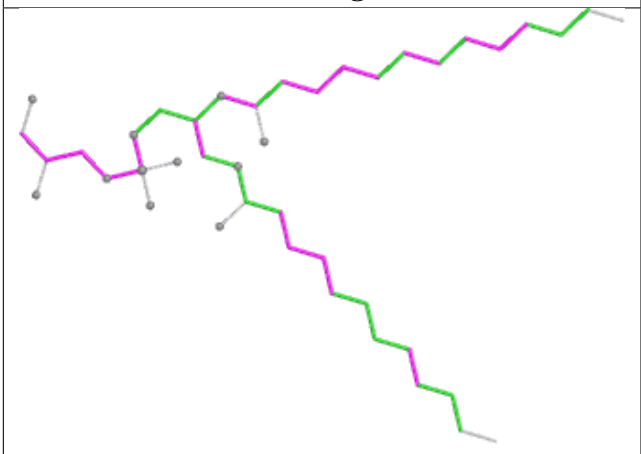


Bond angles



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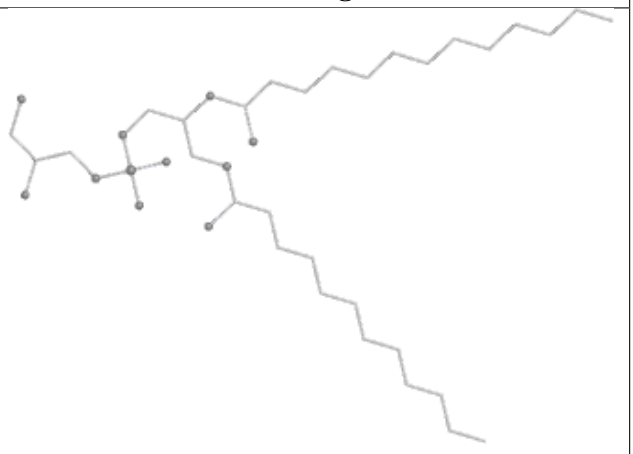


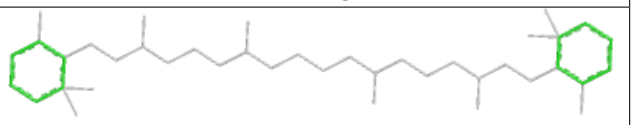
Rings

Ligand BCR a 4003

Bond lengths

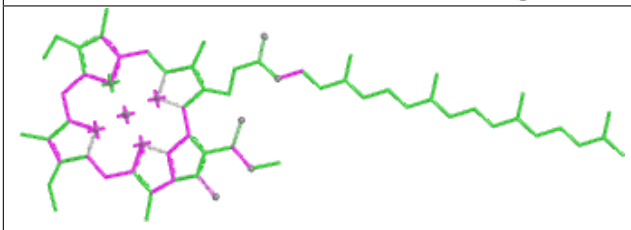
Bond angles

Torsions



Rings

Ligand CLA H 1222



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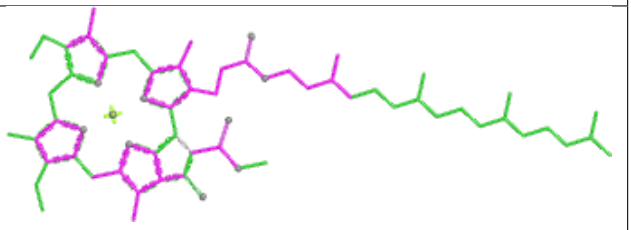
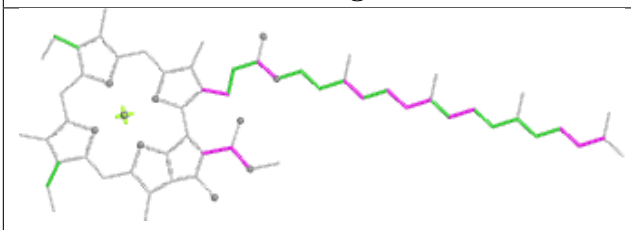


Bond angles



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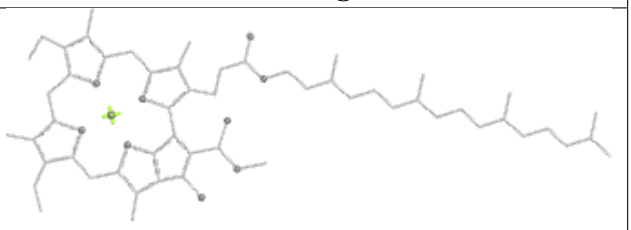
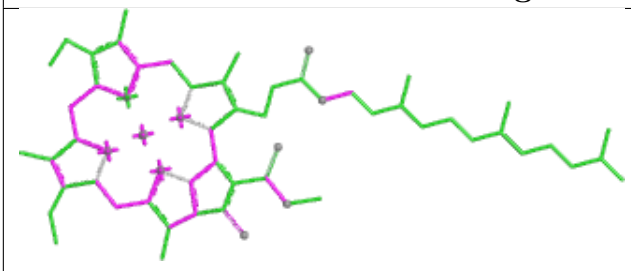


Rings

Ligand CLA H 1215



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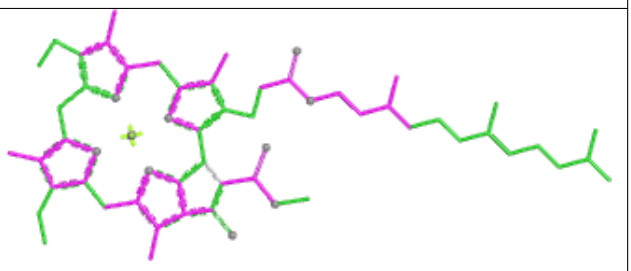
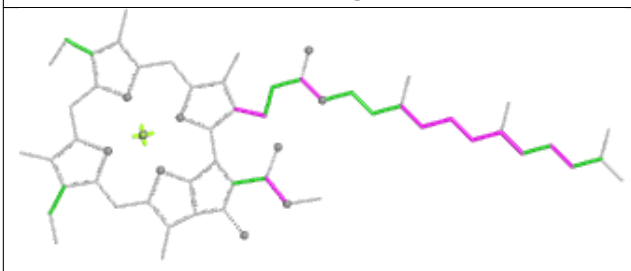


Bond angles



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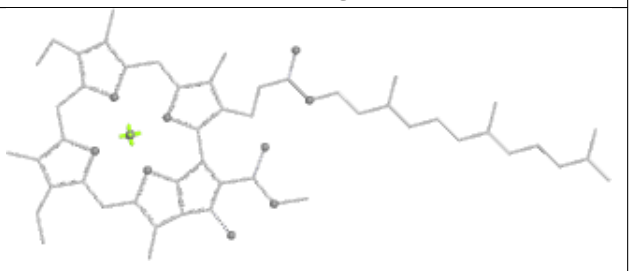
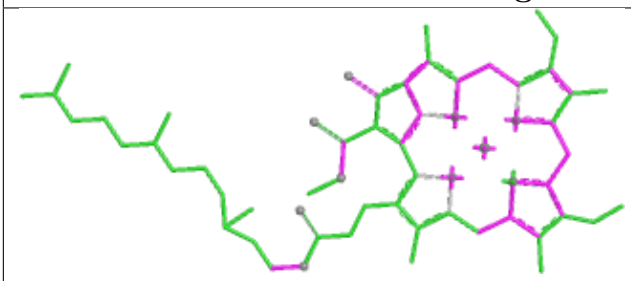


Rings

Ligand CLA A 1111



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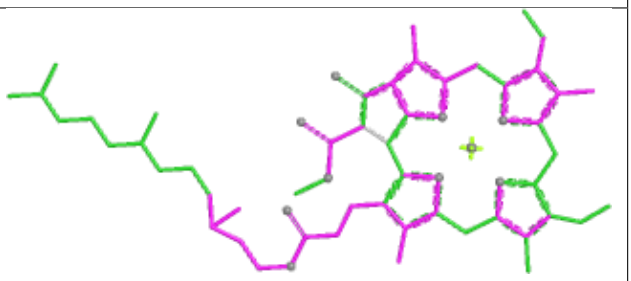
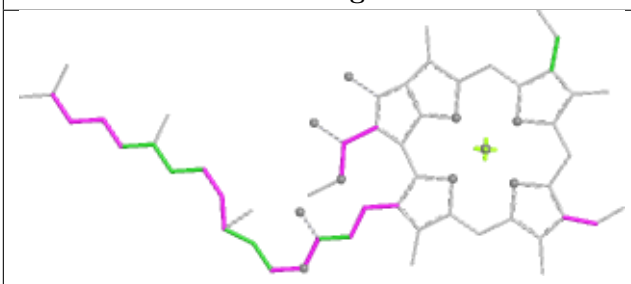
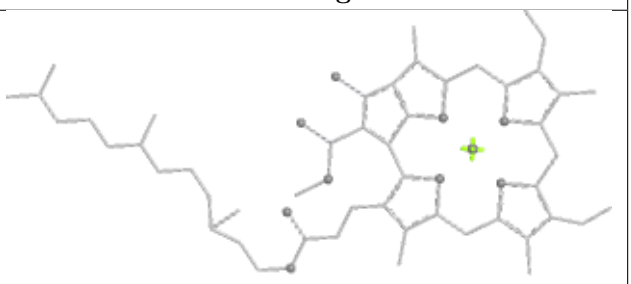


Bond angles

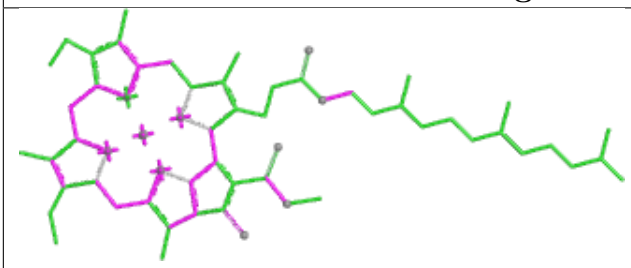


Torsions



Rings

Ligand CLA A 1131



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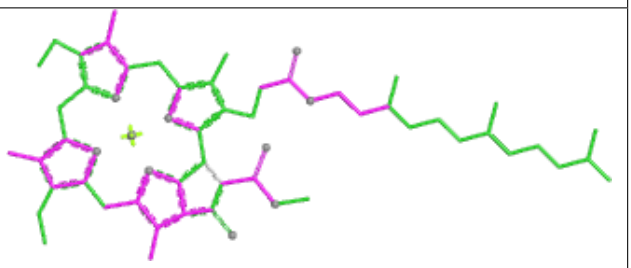
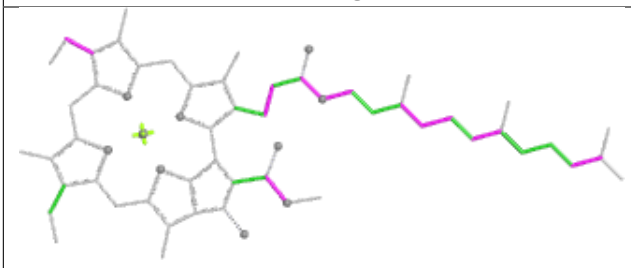
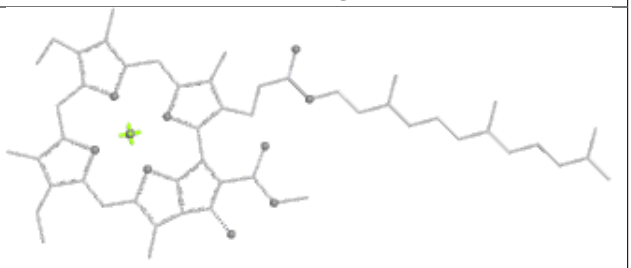


Bond angles

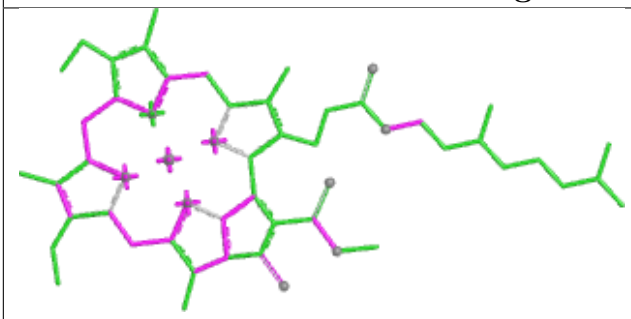


Torsions

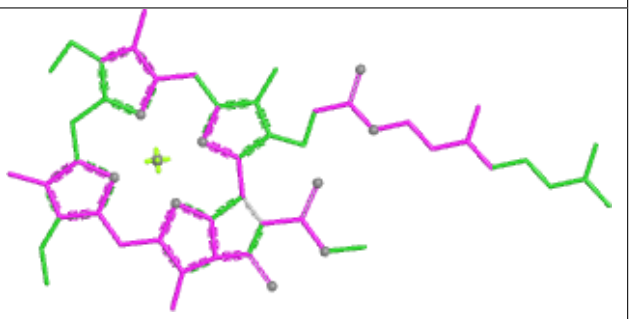


Rings

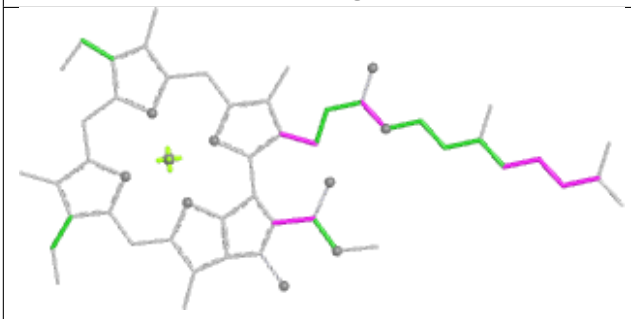
Ligand CLA H 1022



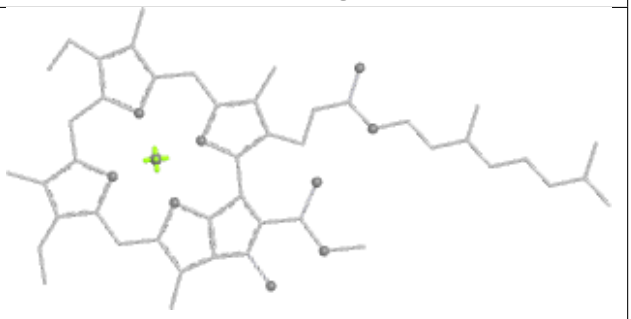
Bond lengths



Bond angles

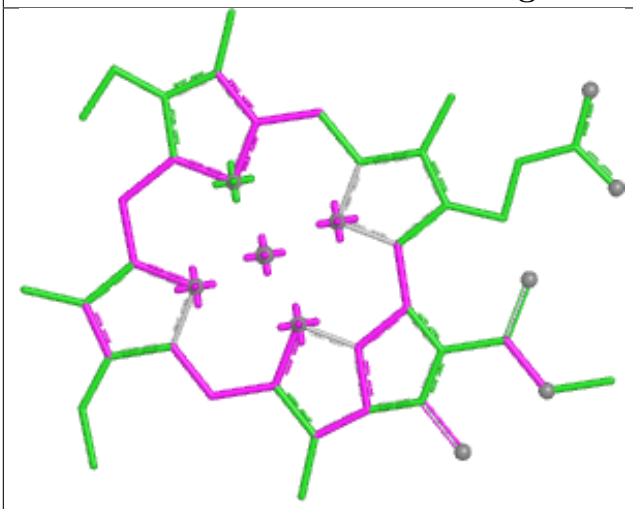


Torsions

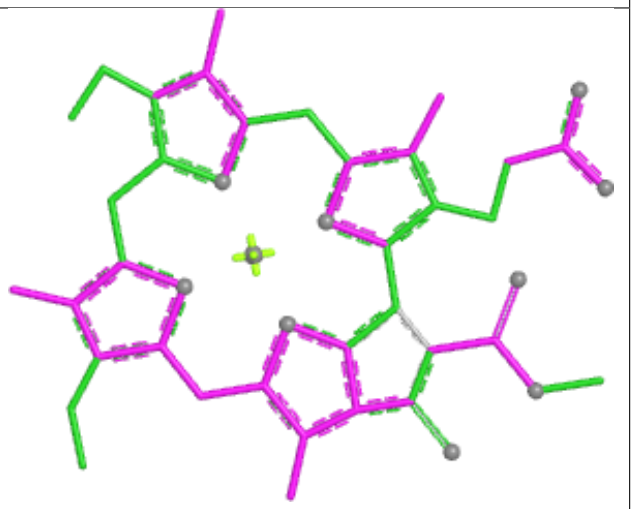


Rings

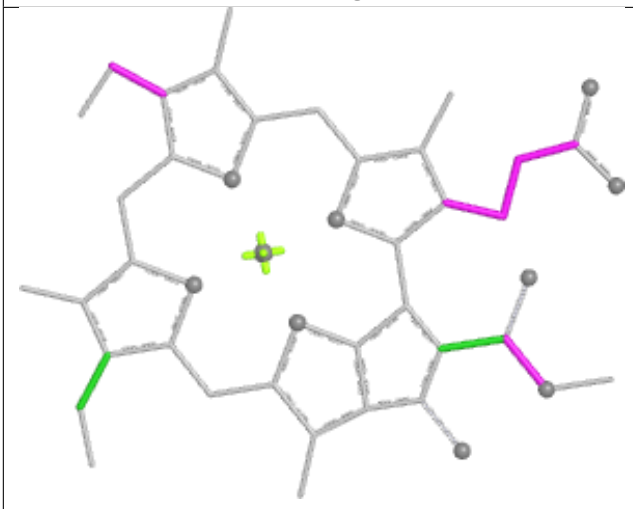
Ligand CLA b 1217



Bond lengths



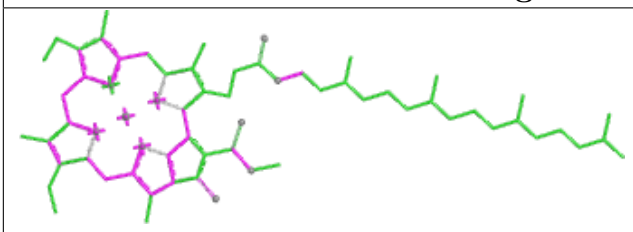
Bond angles



Torsions

Rings

Ligand CLA B 1201



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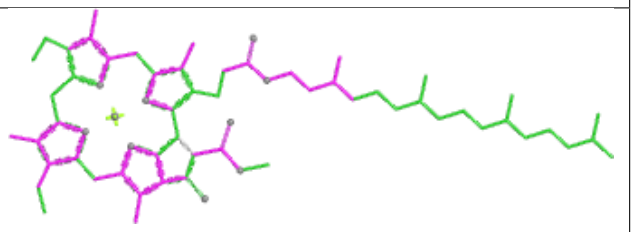

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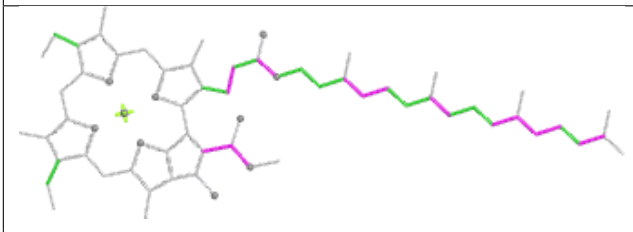
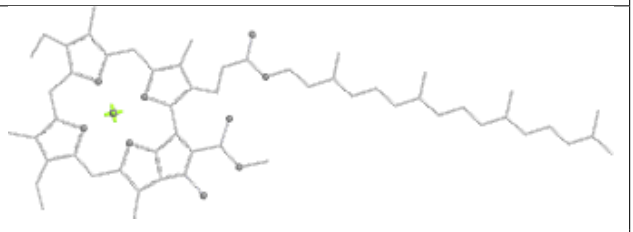
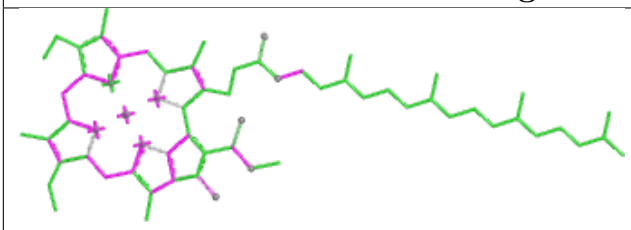


Torsions



Rings

Ligand CLA b 1021



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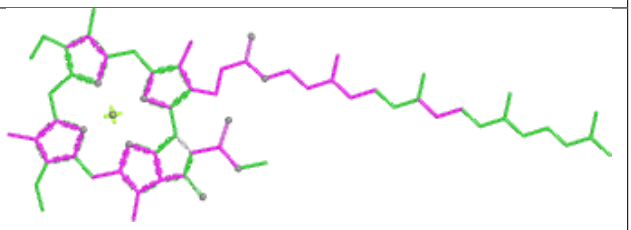
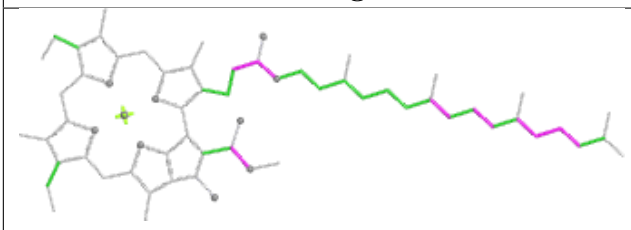


Bond angles



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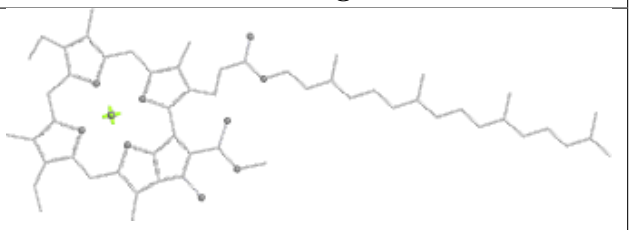
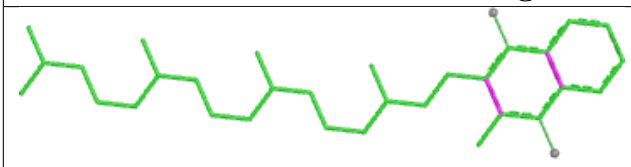


Rings

Ligand PQN a 2001



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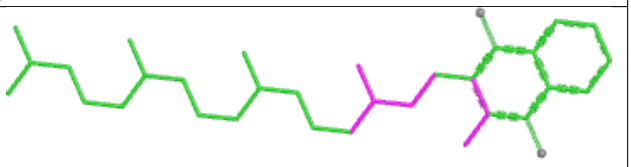
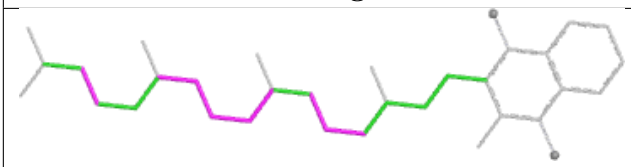


Bond angles



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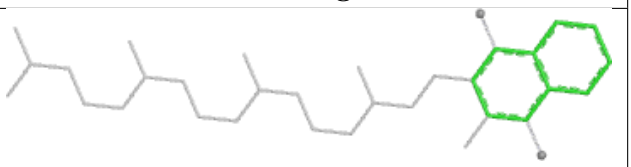
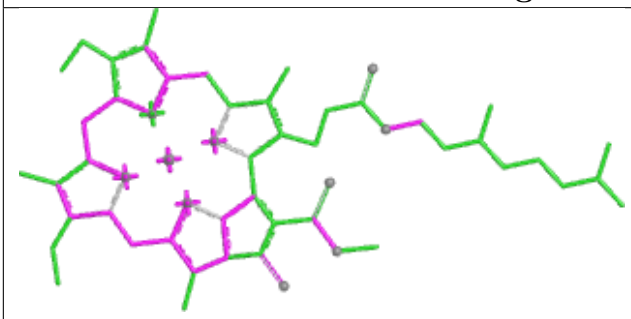


Rings

Ligand CLA B 1228



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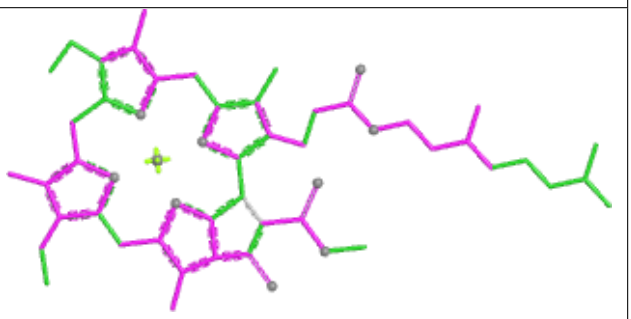
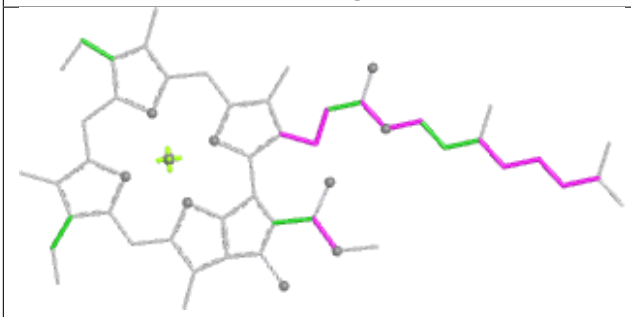


Bond angles



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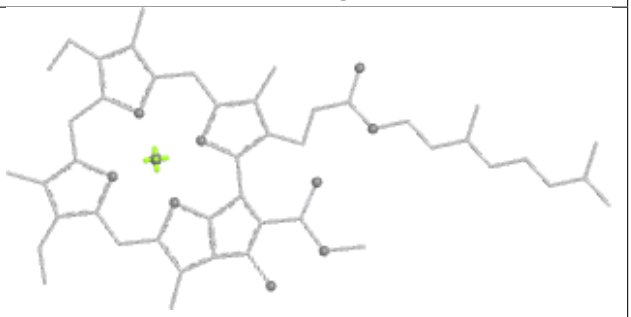
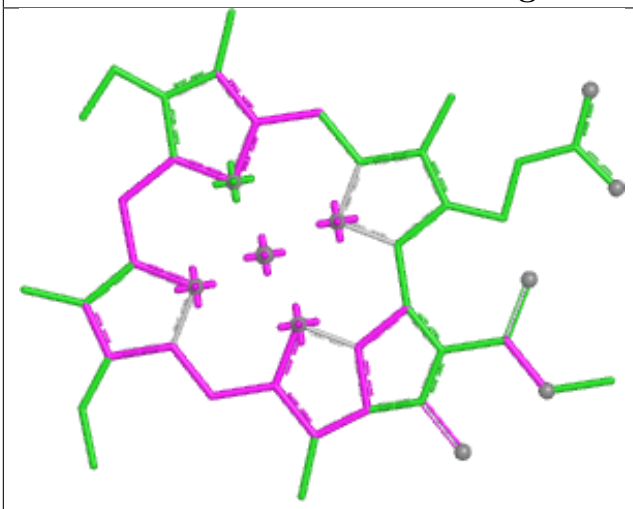


Rings

Ligand CLA k 1401



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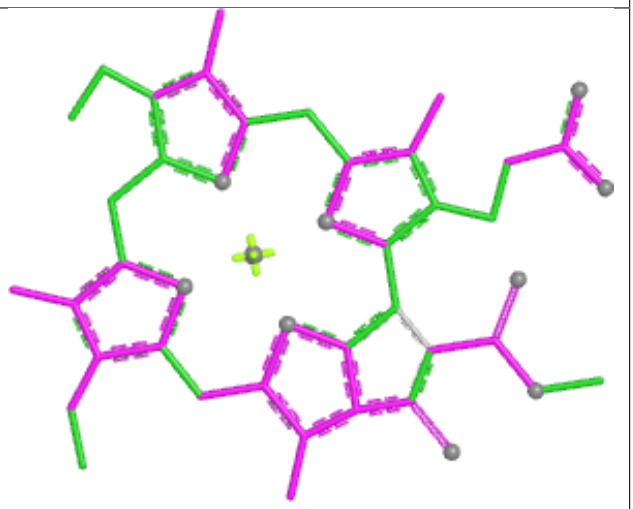
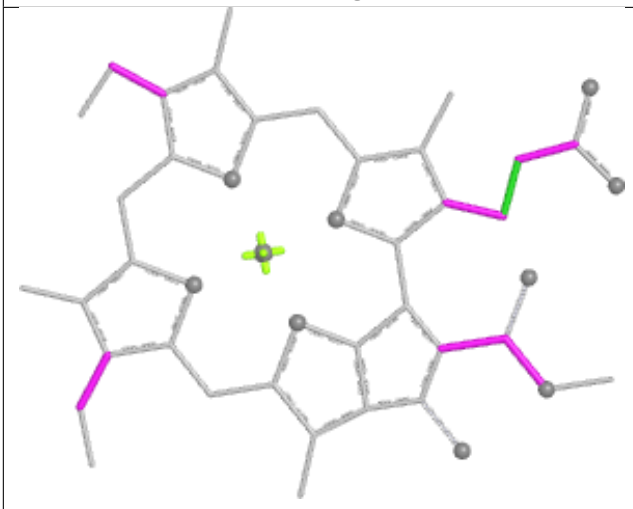


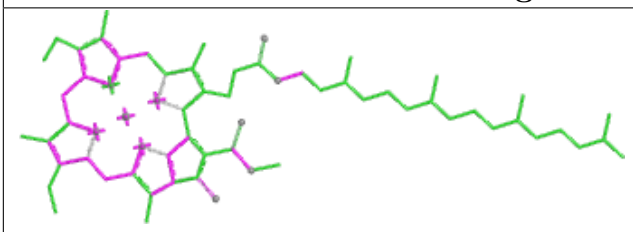
Bond angles



Torsions

Rings

Ligand CLA B 1234



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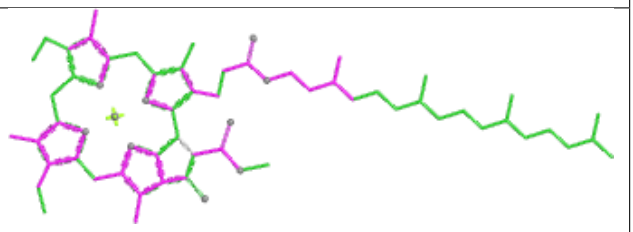
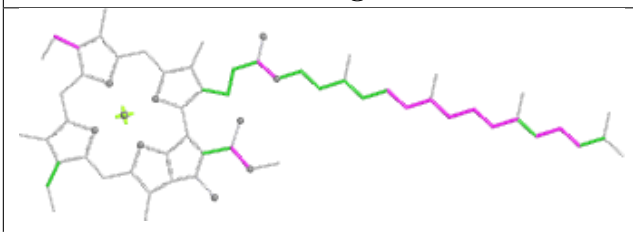
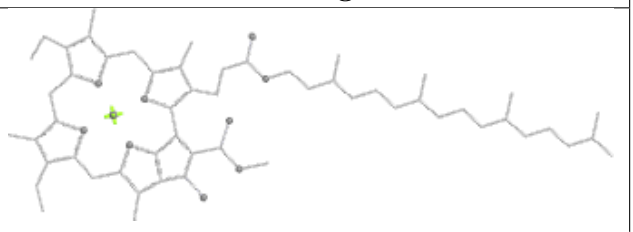


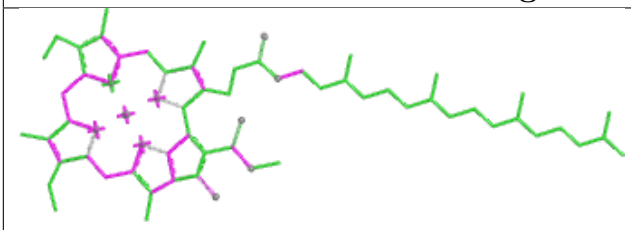
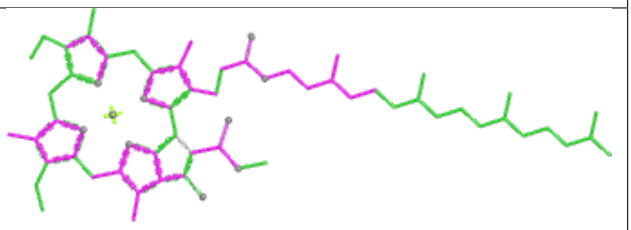
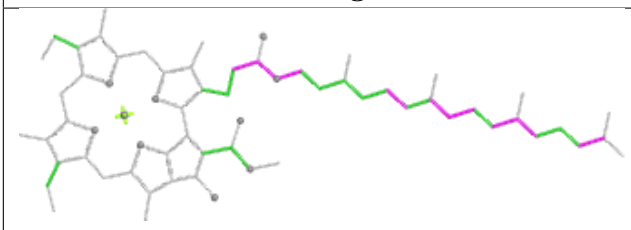
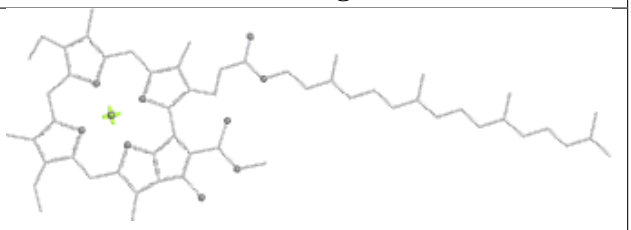
Bond angles

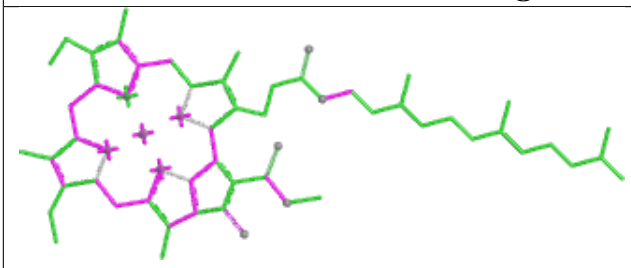
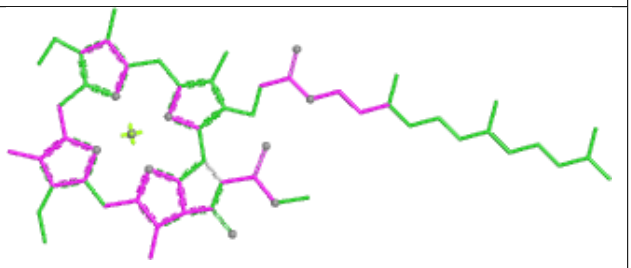
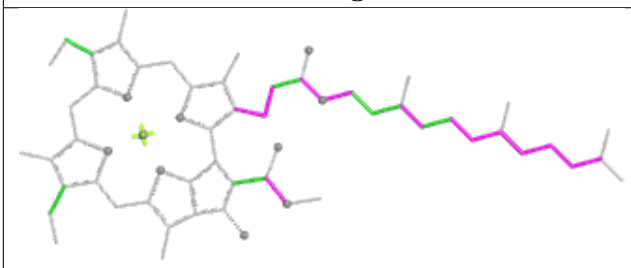
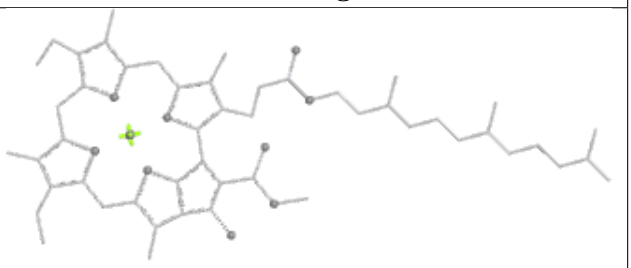


Torsions

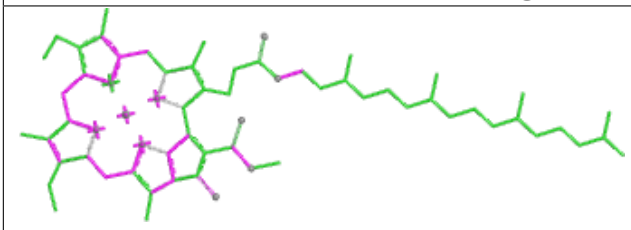


Rings

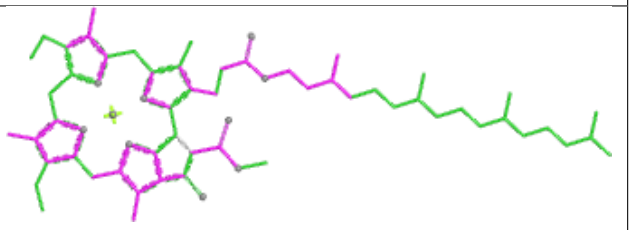
Ligand CL0 A 1011	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1133	
	
Bond lengths	Bond angles
	
Torsions	Rings

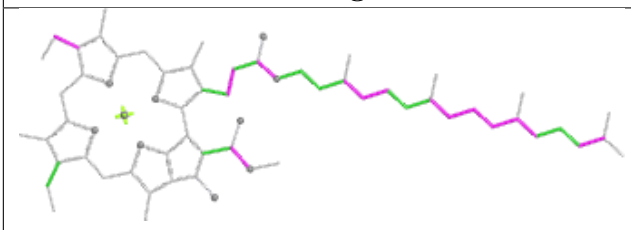
Ligand CLA b 1224



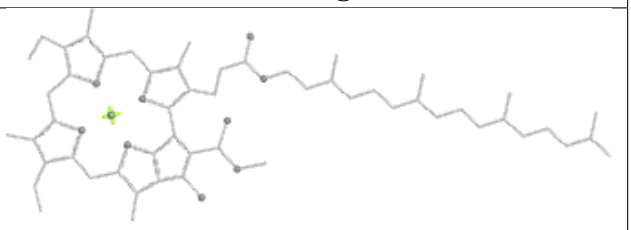
Bond lengths



Bond angles

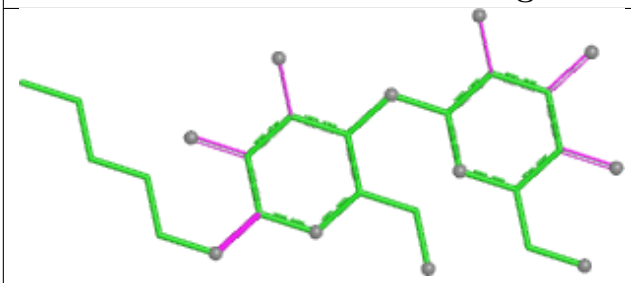


Torsions

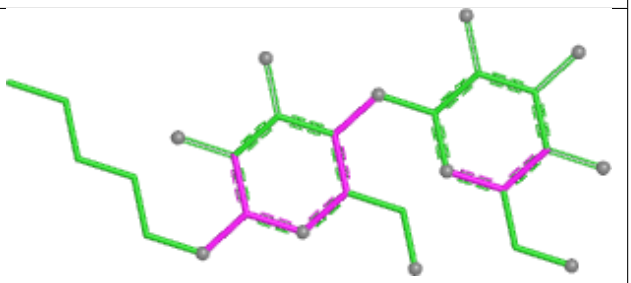


Rings

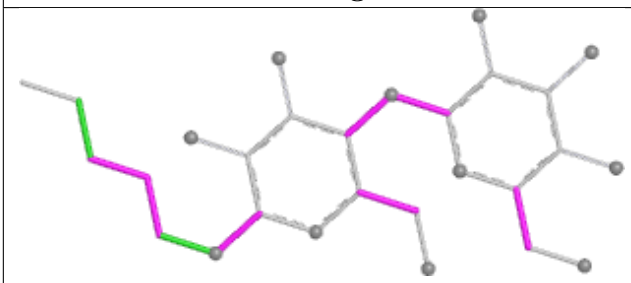
Ligand LMT a 6002



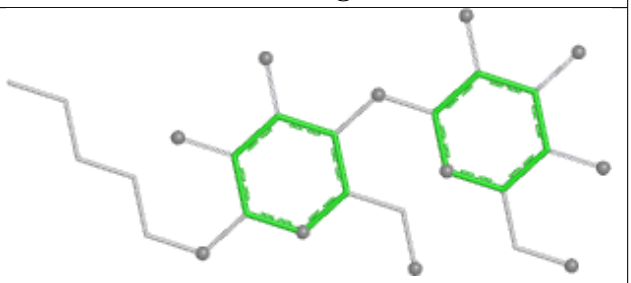
Bond lengths



Bond angles

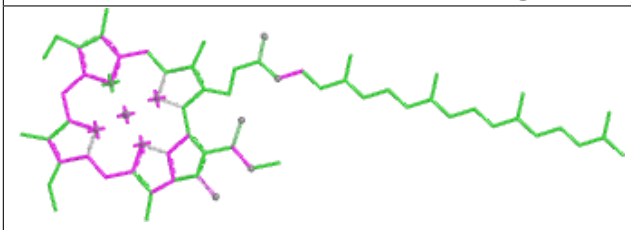


Torsions



Rings

Ligand CLA H 1234



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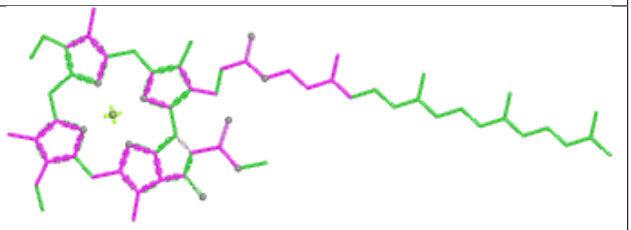
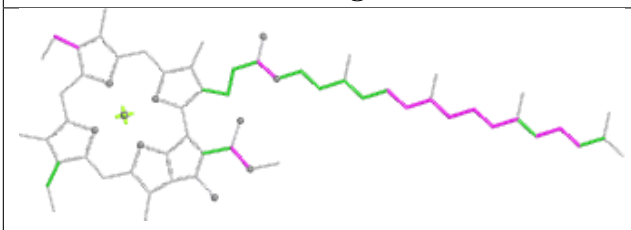
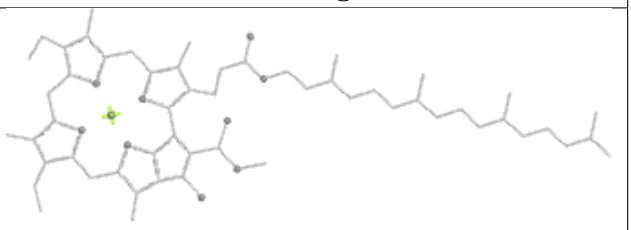


Bond angles

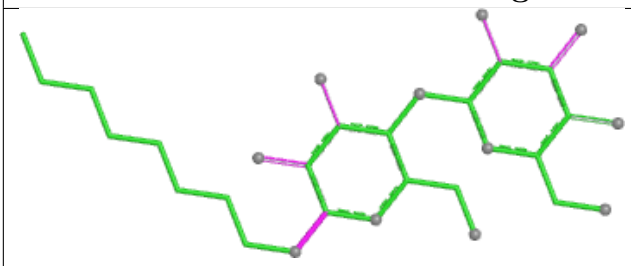


Torsions

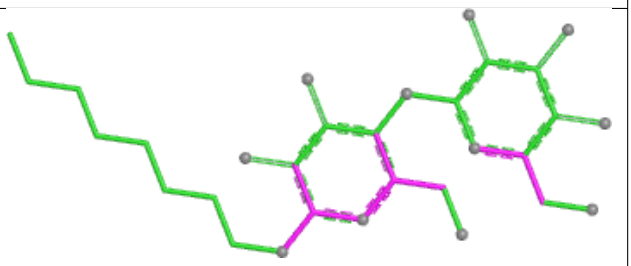


Rings

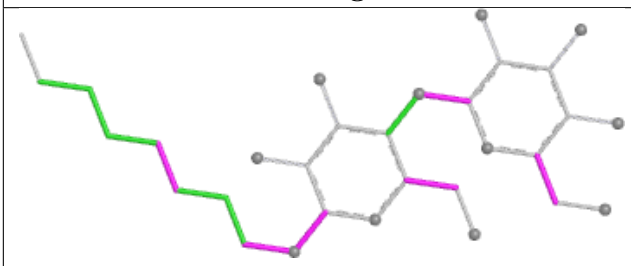
Ligand LMT A 6001



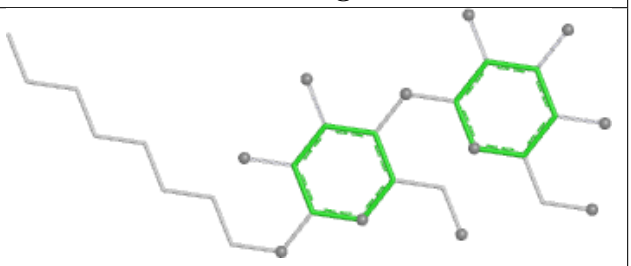
Bond lengths



Bond angles

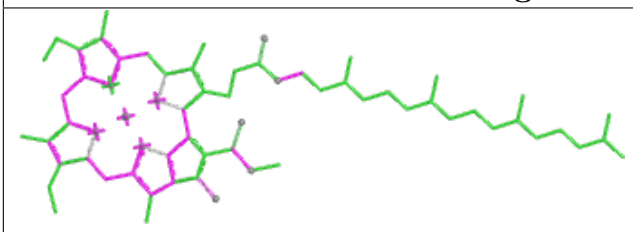


Torsions

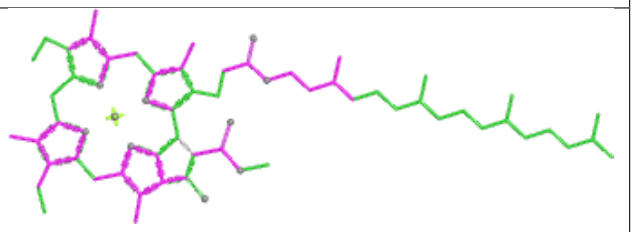


Rings

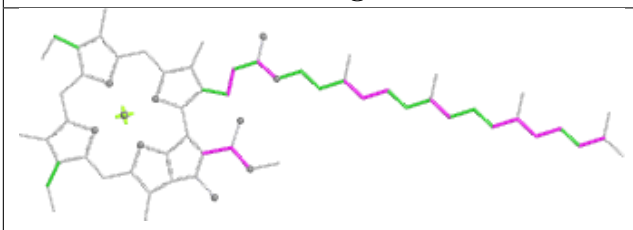
Ligand CLA H 1201



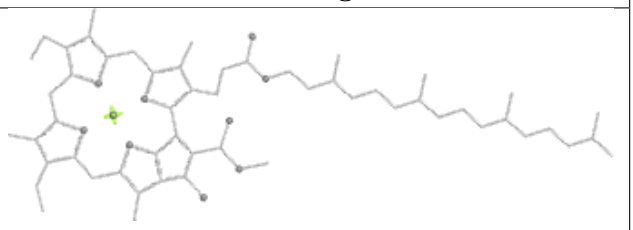
Bond lengths



Bond angles

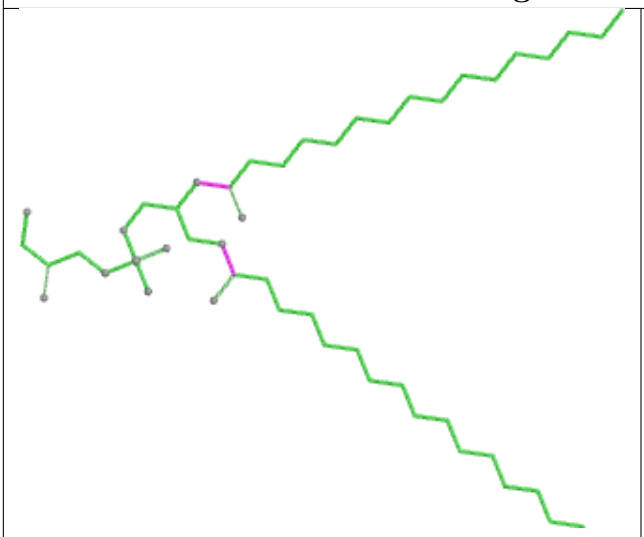


Torsions



Rings

Ligand LHG U 5102



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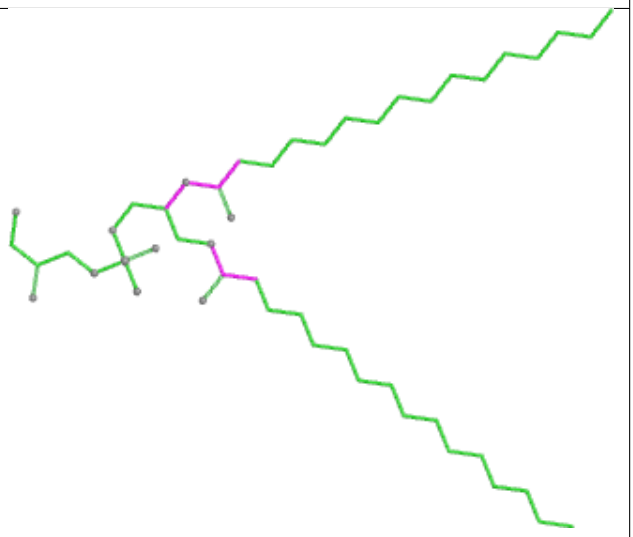
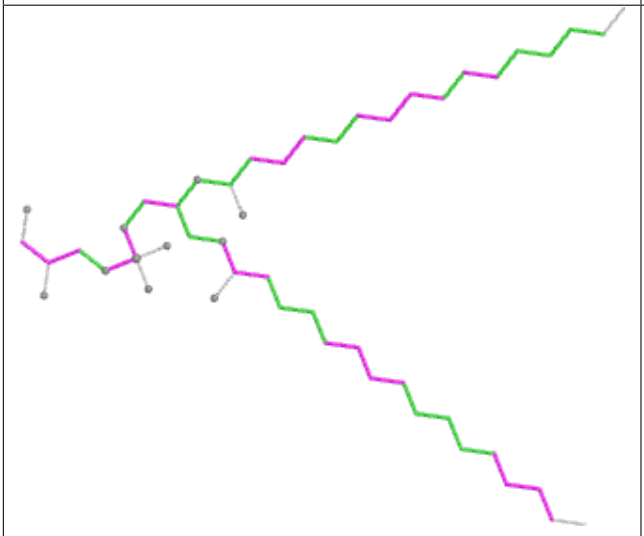
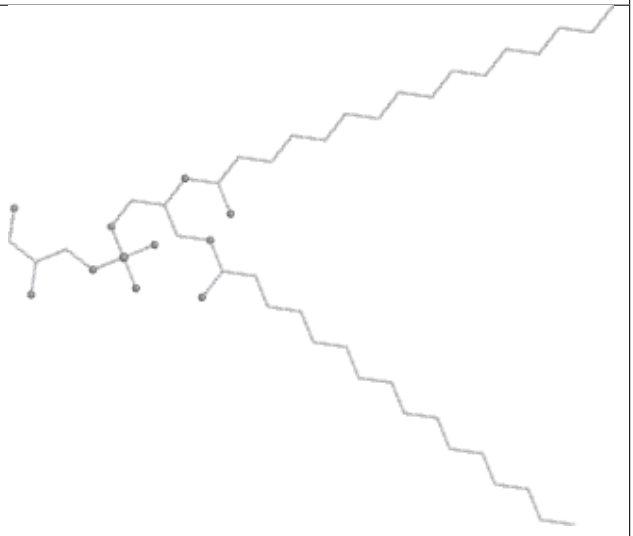


Bond angles

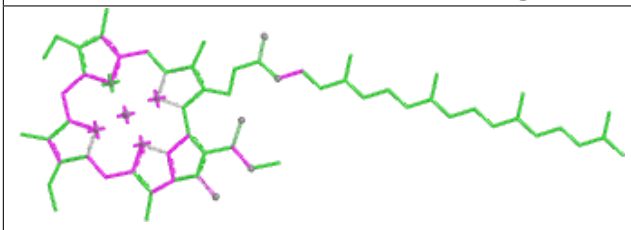


Torsions



Rings

Ligand CLA H 1203



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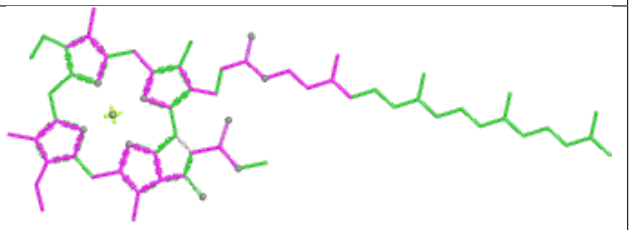
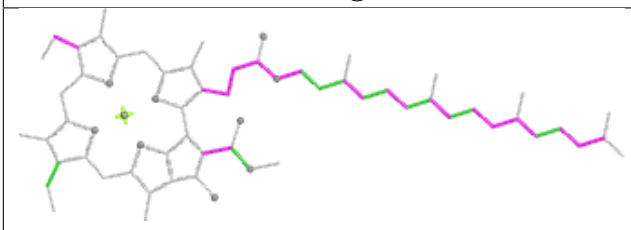
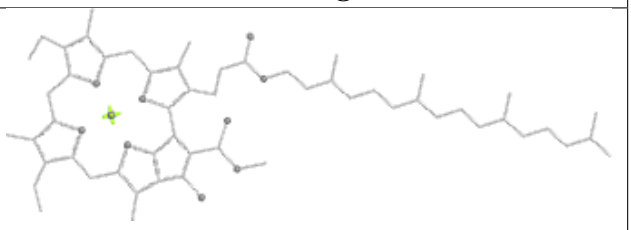


Bond angles

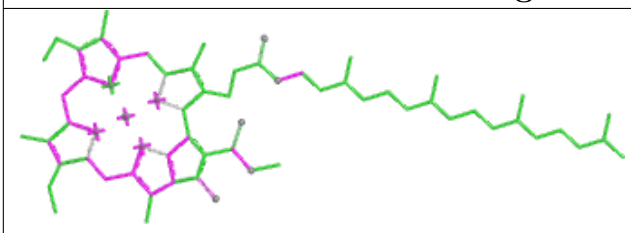


Torsions



Rings

Ligand CLA B 1231



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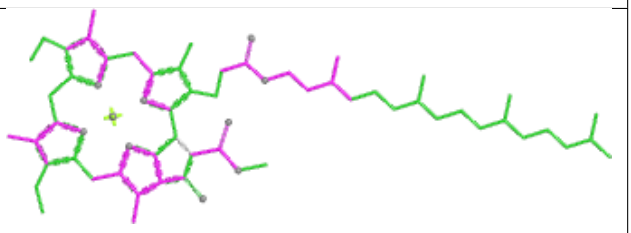
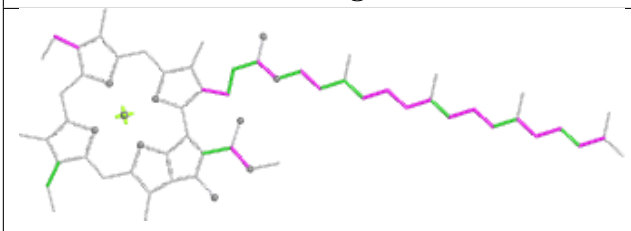
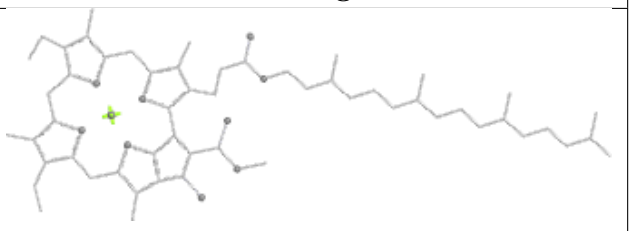


Bond angles

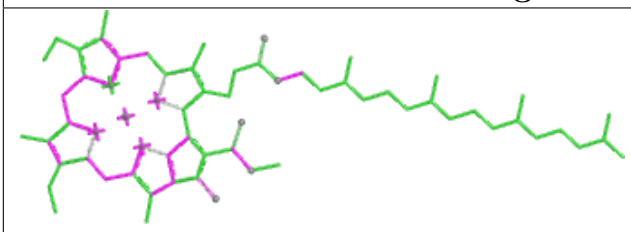


Torsions



Rings

Ligand CLA G 1104



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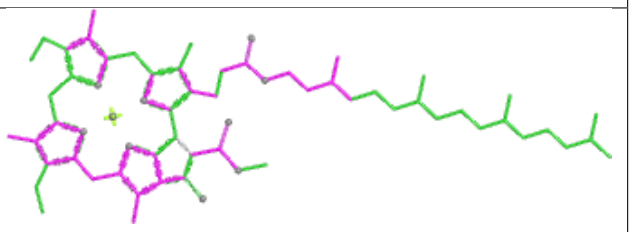
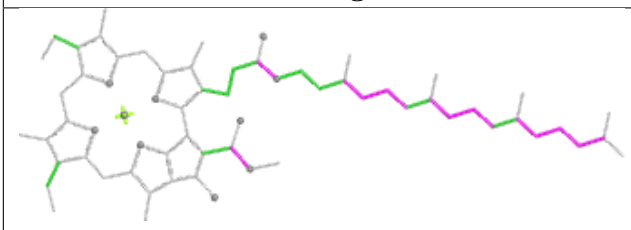


Bond angles



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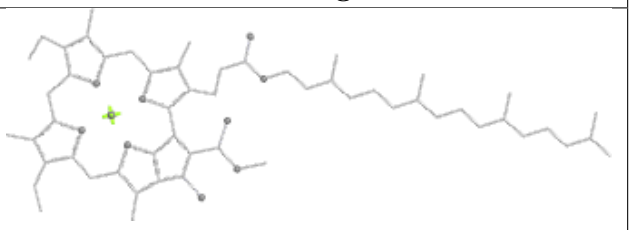
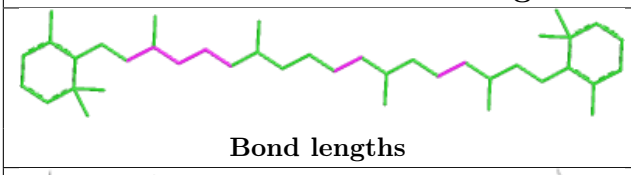


Rings

Ligand BCR B 4017



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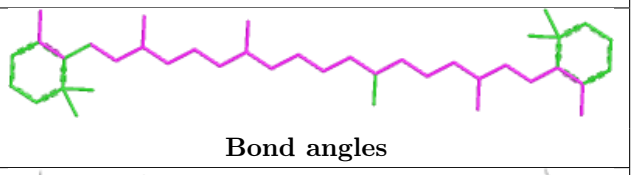
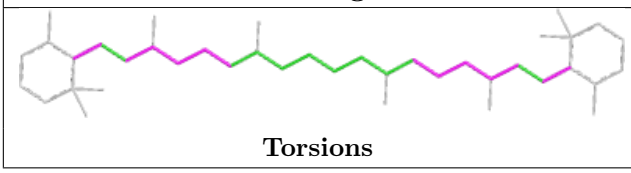


Bond angles



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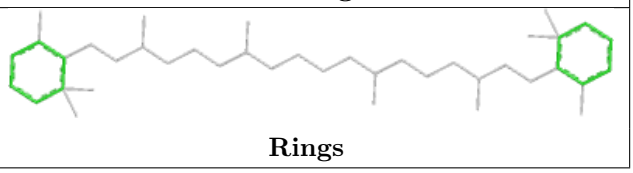
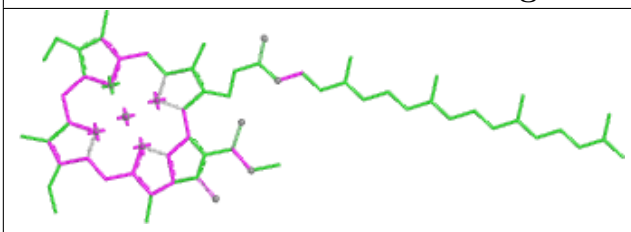


Rings

Ligand CLA a 1109



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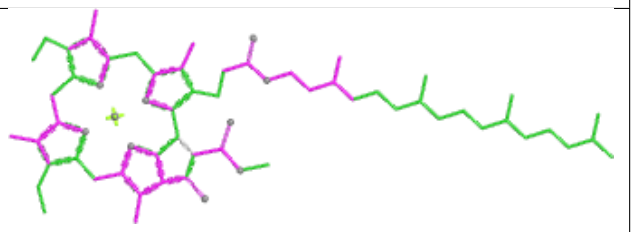
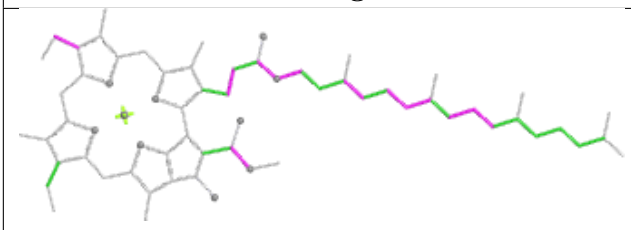


Bond angles



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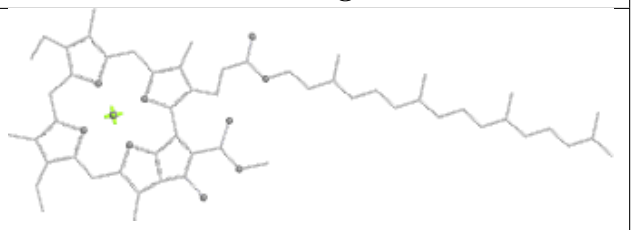
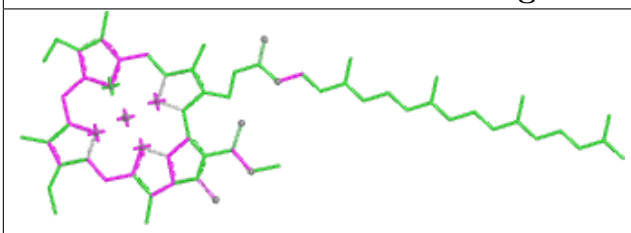


Rings

Ligand CLA b 1202



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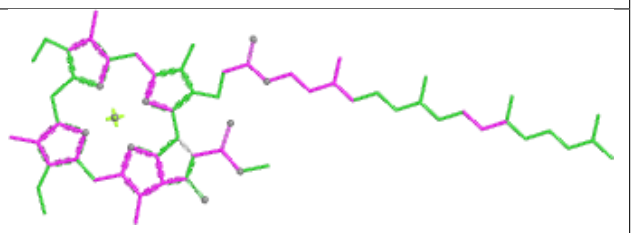
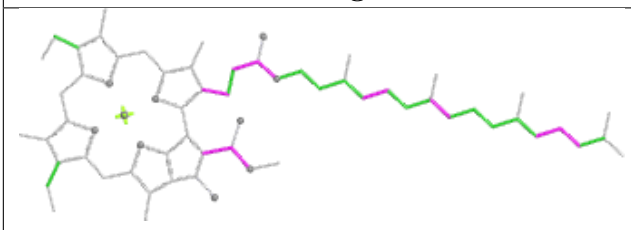
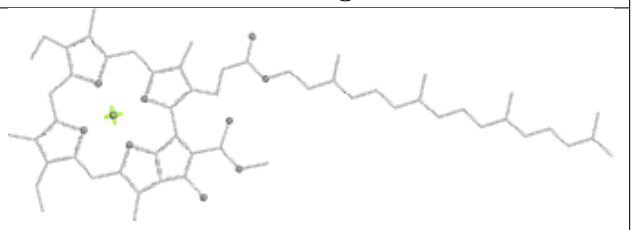


Bond angles

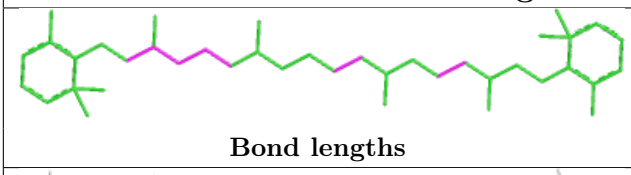


Torsions



Rings

Ligand BCR b 4009



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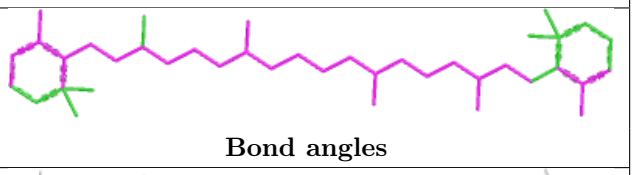
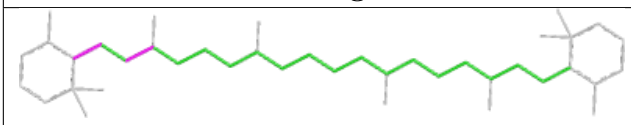


Bond angles



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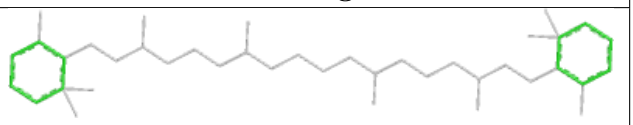
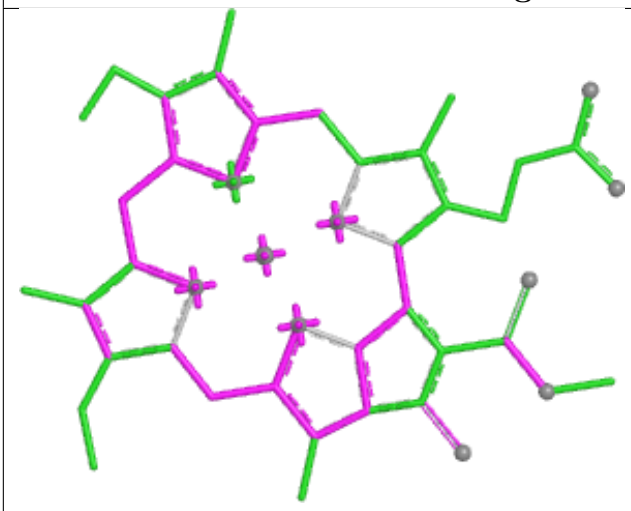


Rings

Ligand CLA H 1213



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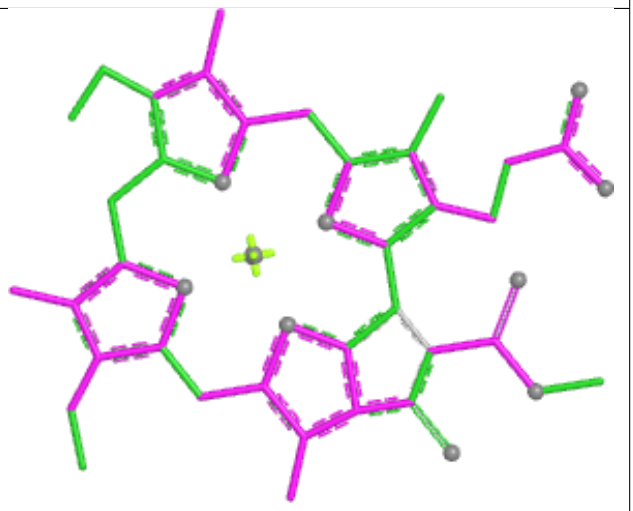
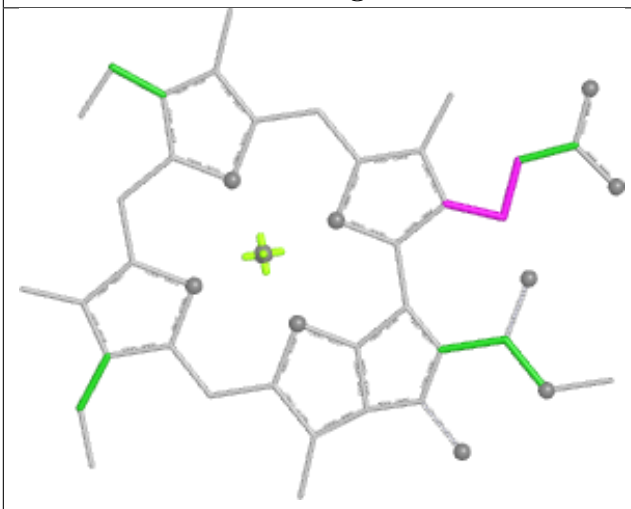


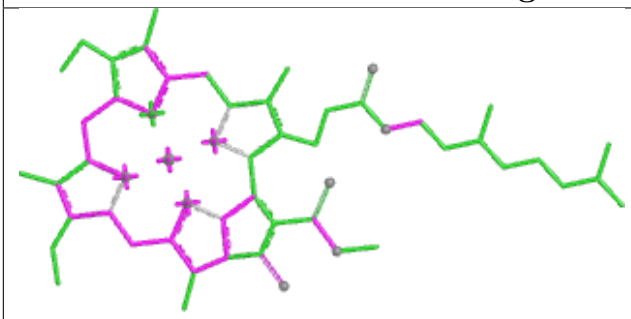
Bond angles



Torsions

Rings

Ligand CLA b 1228



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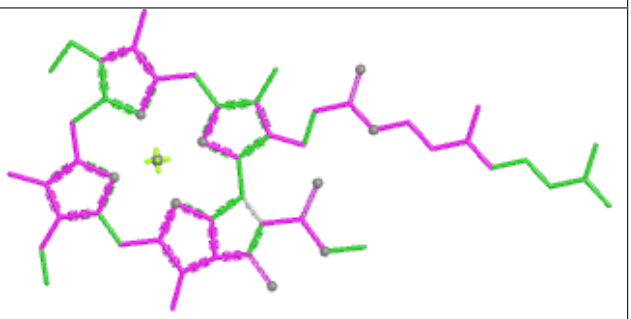
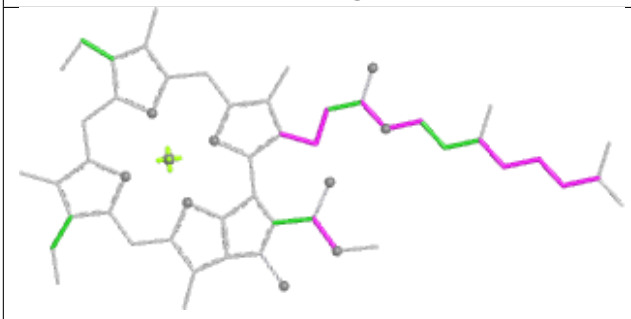
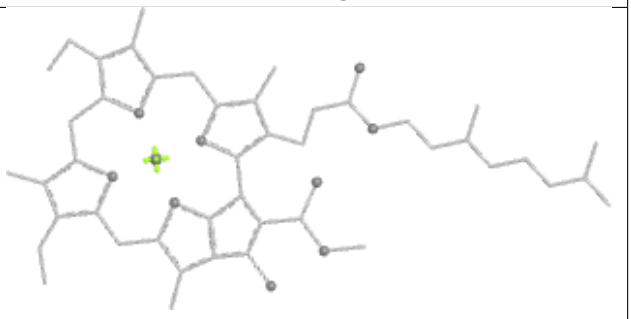


Bond angles

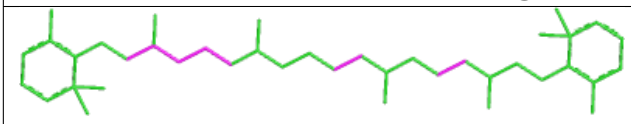


Torsions



Rings

Ligand BCR L 4019



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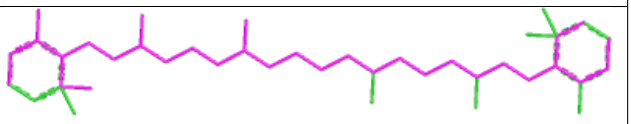
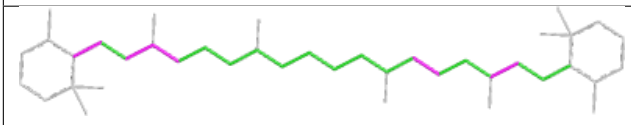
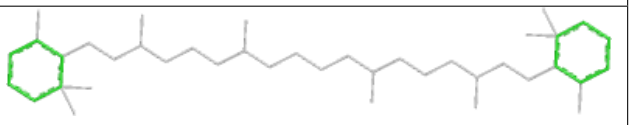


Bond angles

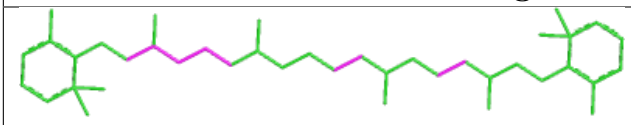


Torsions

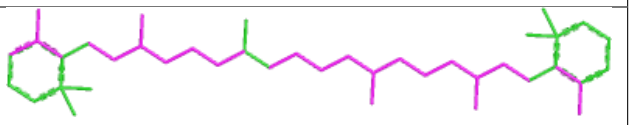


Rings

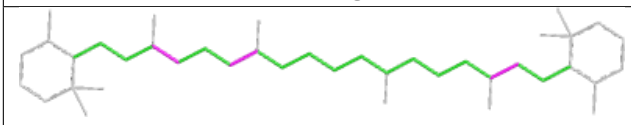
Ligand BCR B 4005



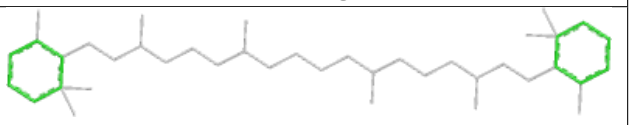
Bond lengths



Bond angles

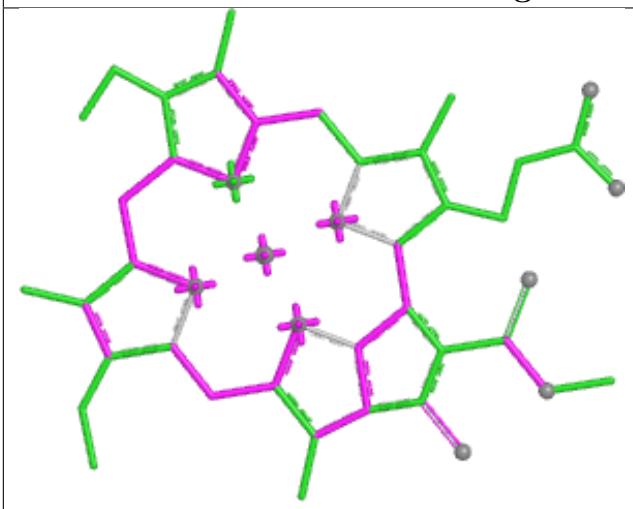


Torsions

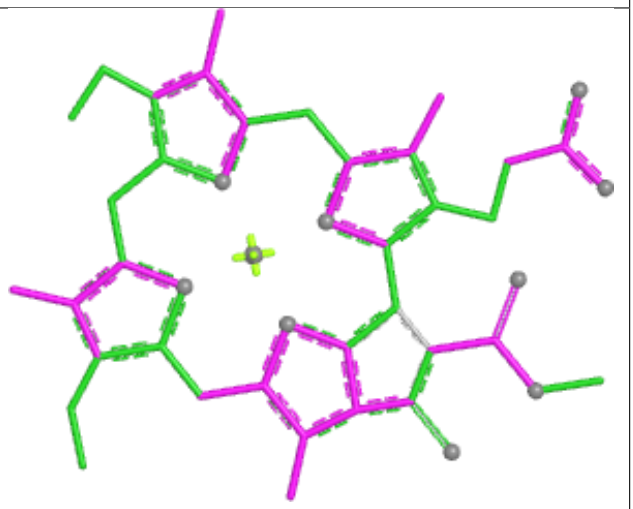


Rings

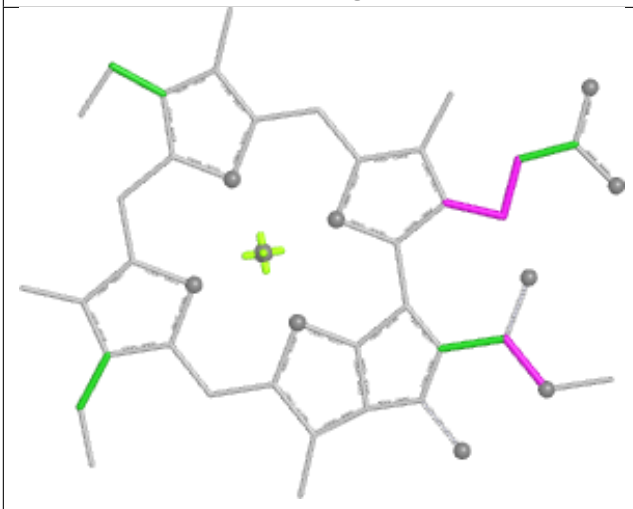
Ligand CLA G 1120



Bond lengths



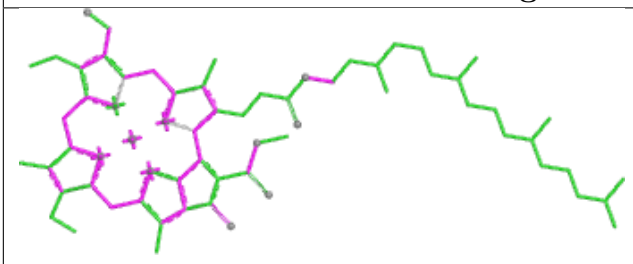
Bond angles



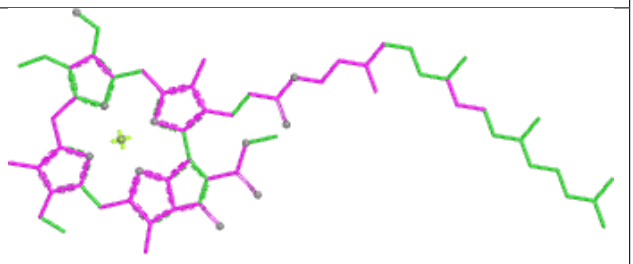
Torsions

Rings

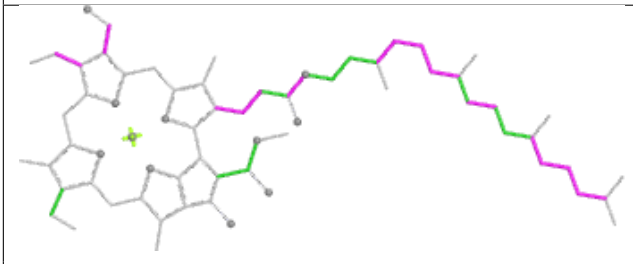
Ligand F6C B 1207



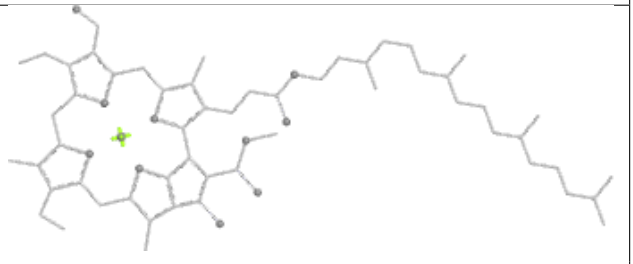
Bond lengths



Bond angles

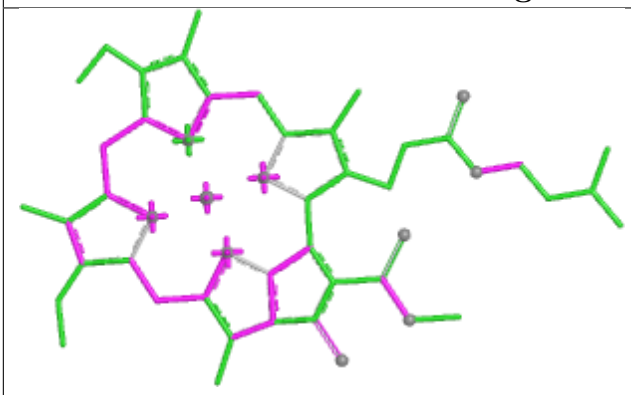


Torsions



Rings

Ligand CLA A 1129



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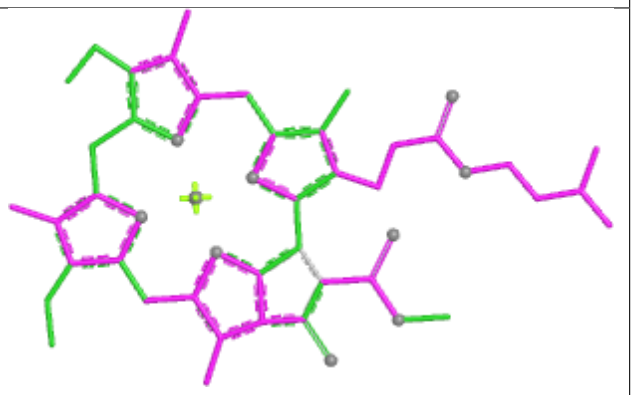
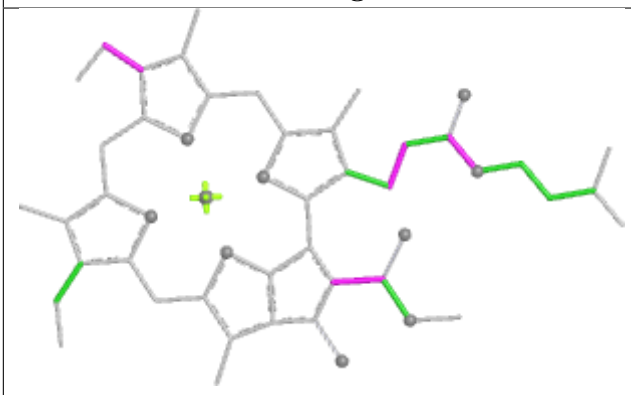
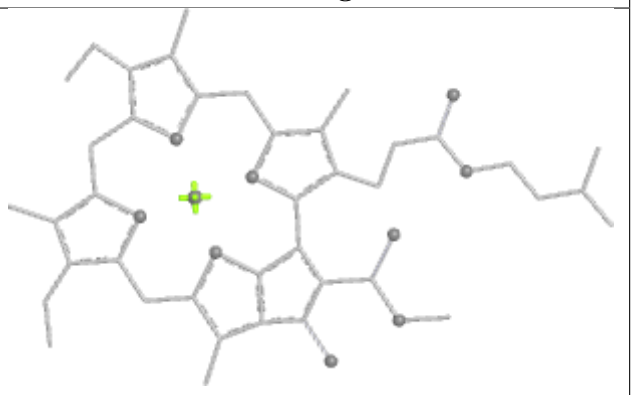


Bond angles

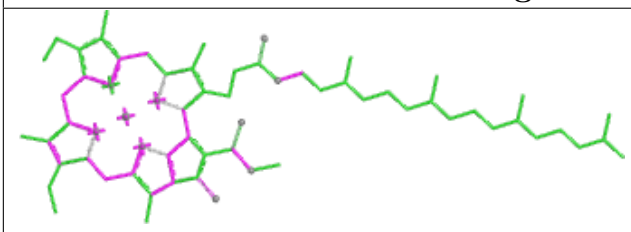


Torsions



Rings

Ligand CLA H 1206



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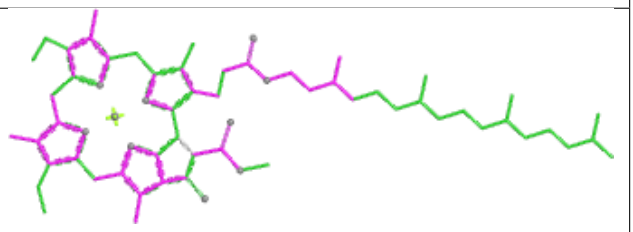
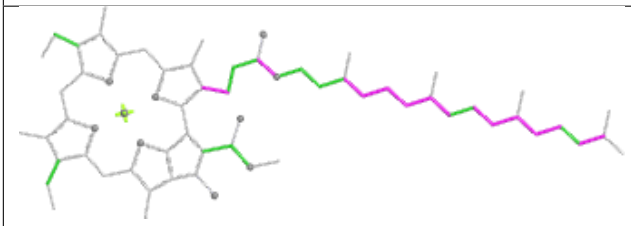
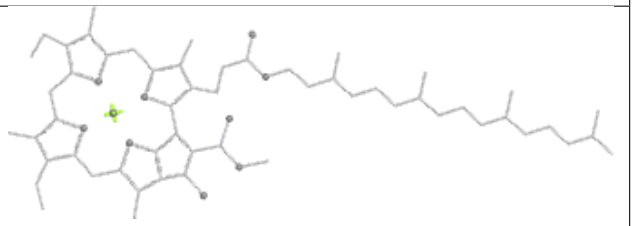


Bond angles

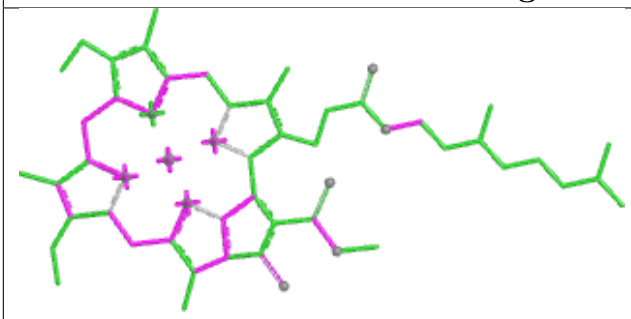


Torsions



Rings

Ligand CLA b 1022



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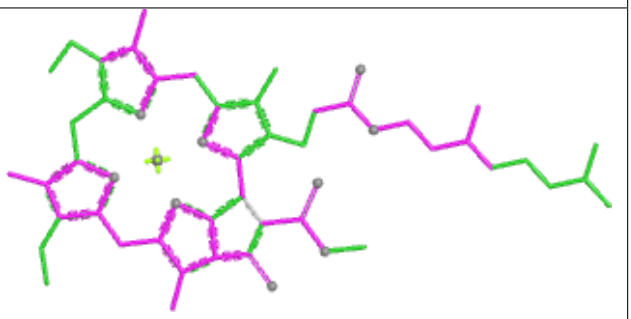
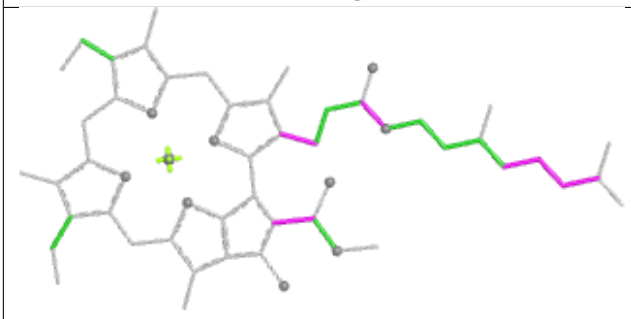
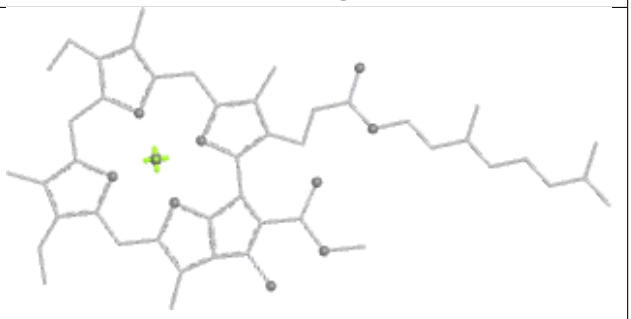


Bond angles

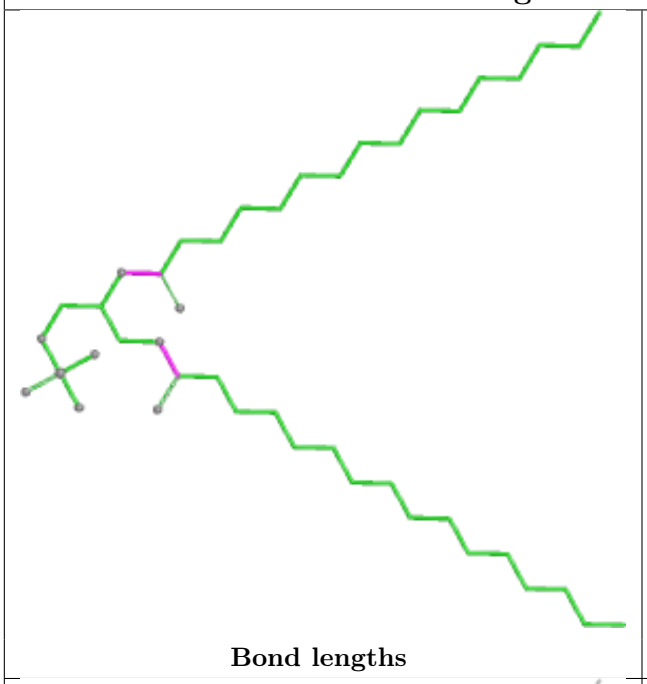


Torsions



Rings

Ligand LHG A 5002



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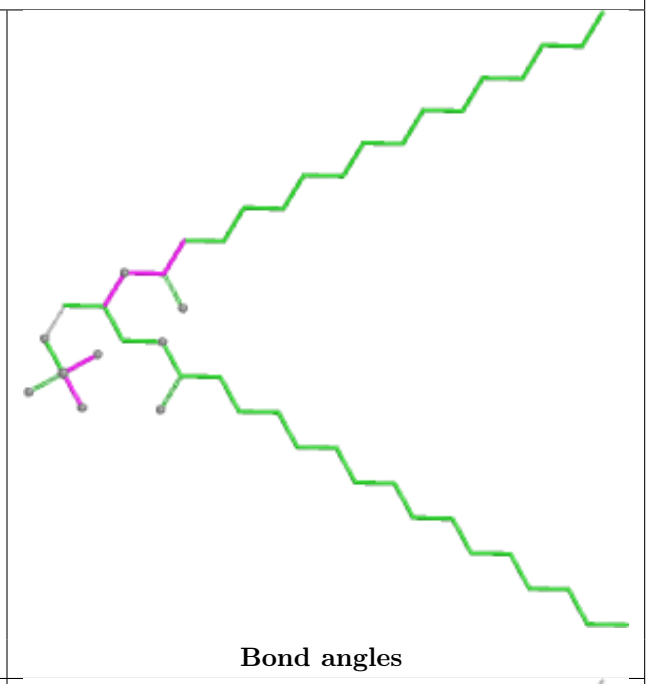
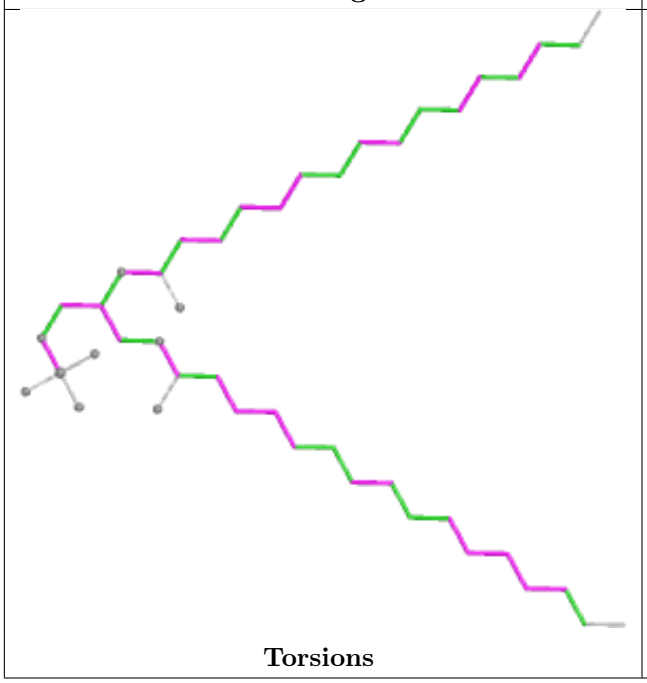


Bond angles



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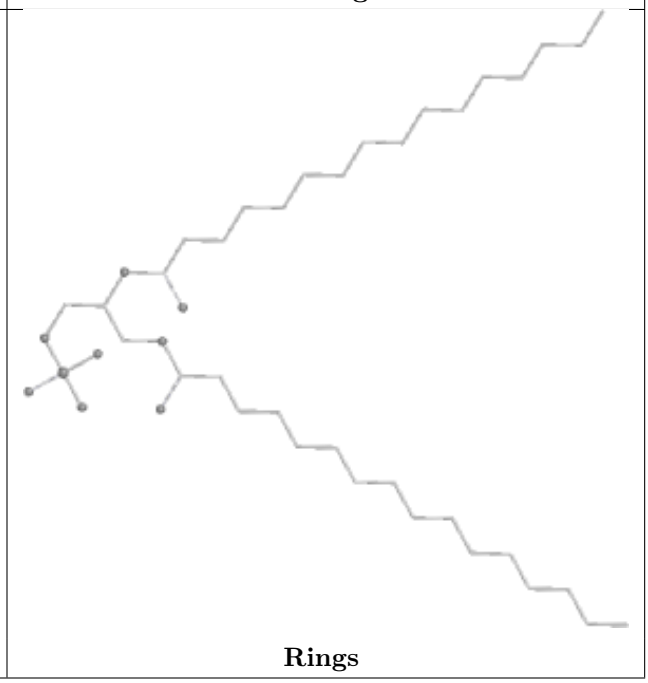
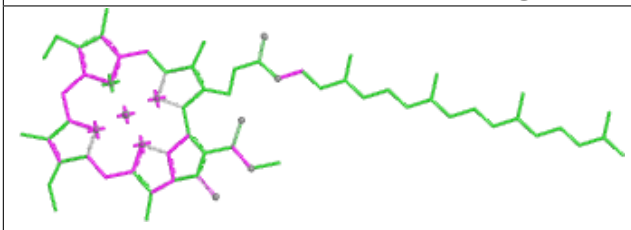


Rings

Ligand CLA B 1202



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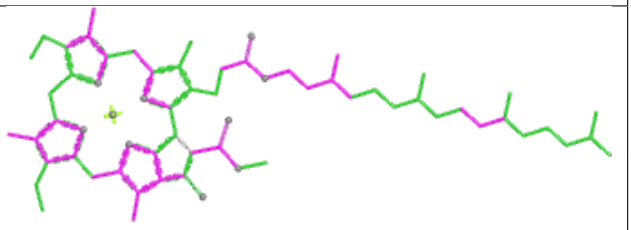
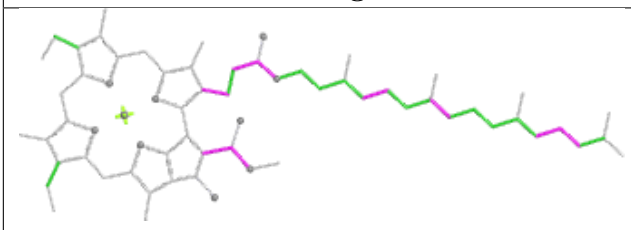
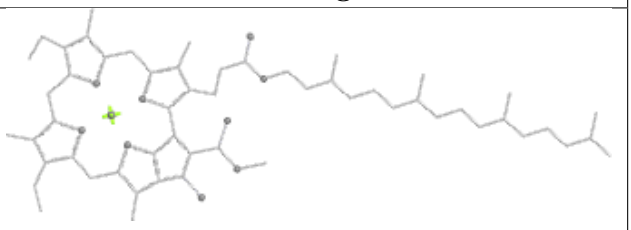


Bond angles

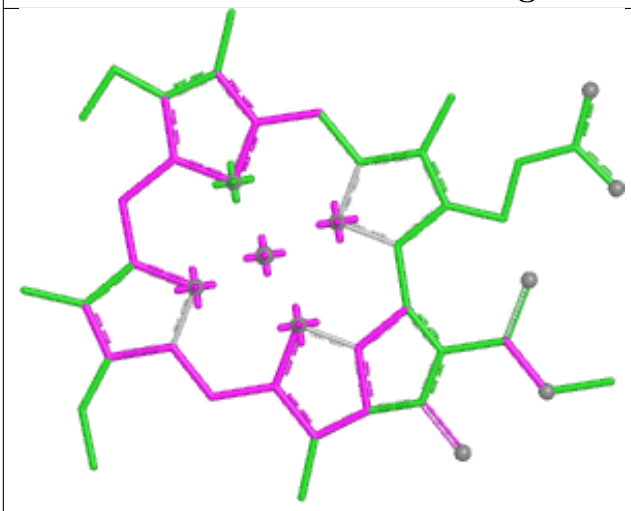


Torsions



Rings

Ligand CLA b 1233



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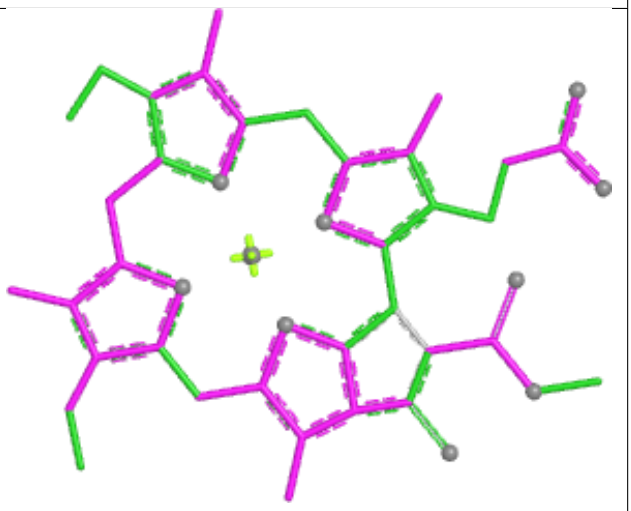
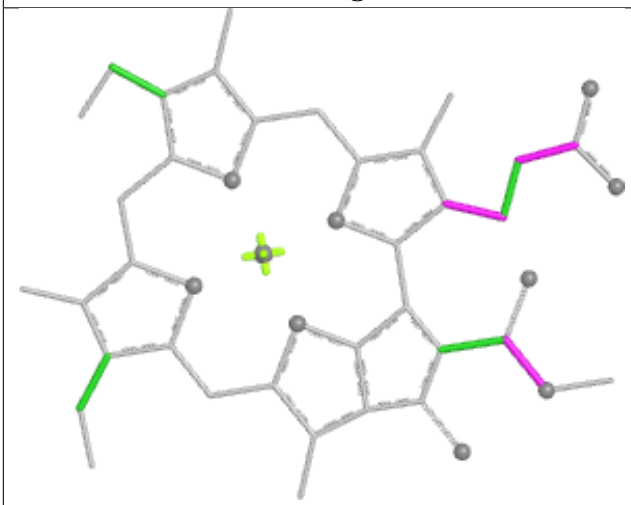


Bond angles



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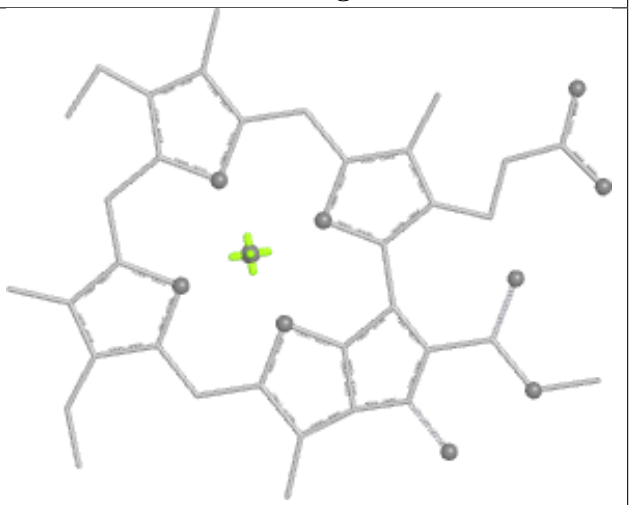
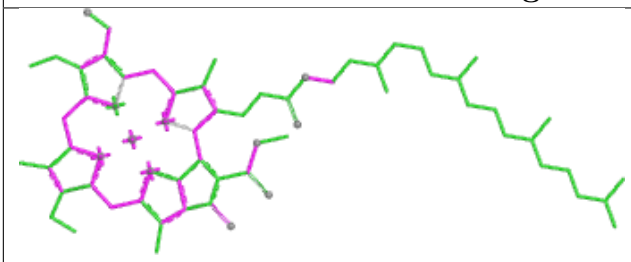


Rings

Ligand F6C b 1238



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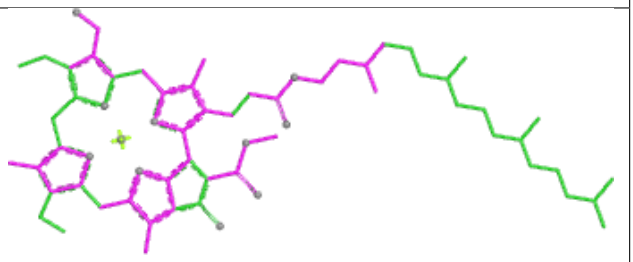
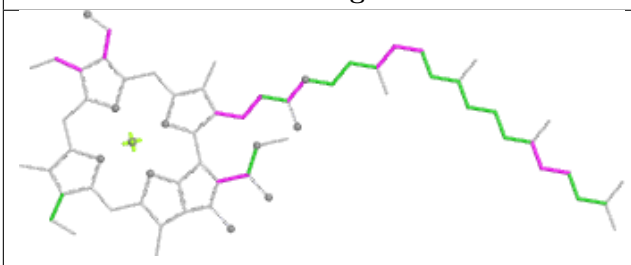


Bond angles



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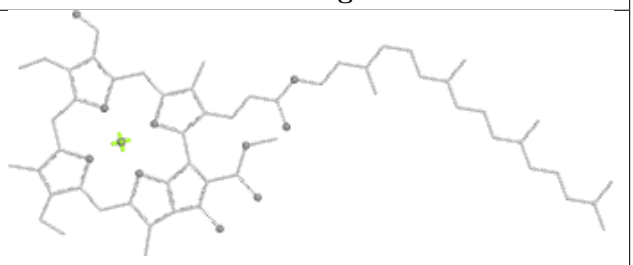
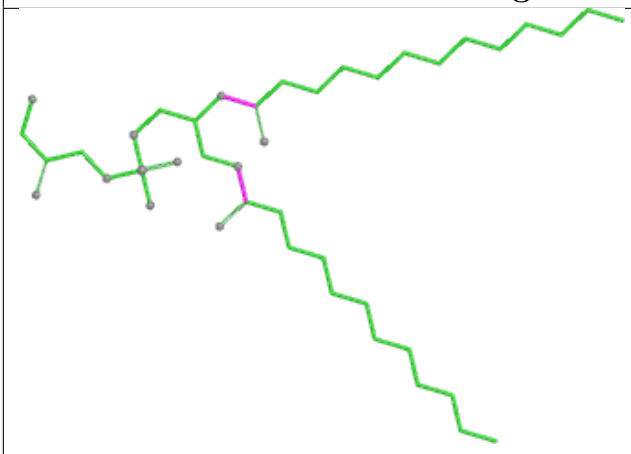
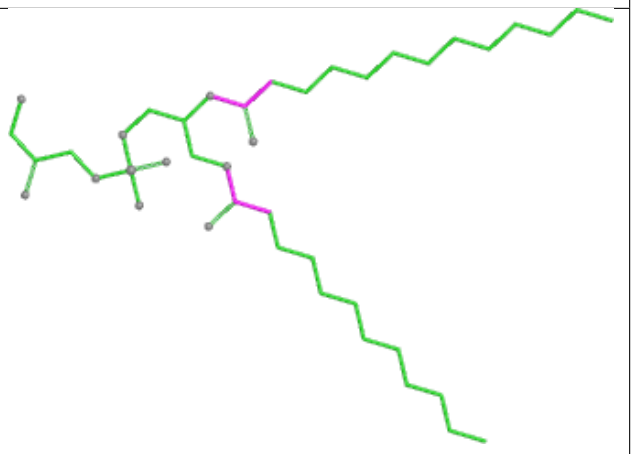


Rings

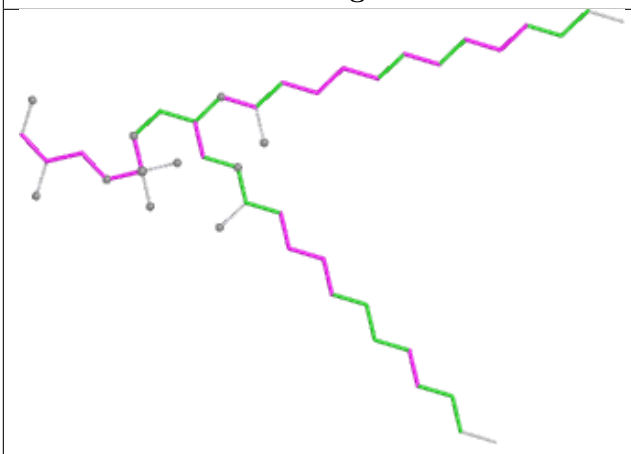
Ligand LHG G 5001



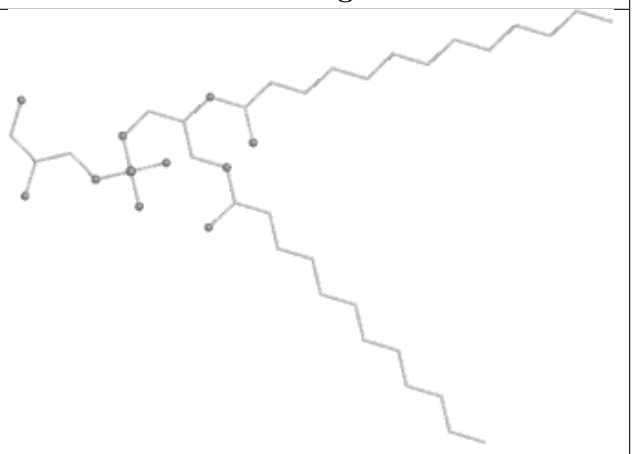
Bond lengths



Bond angles

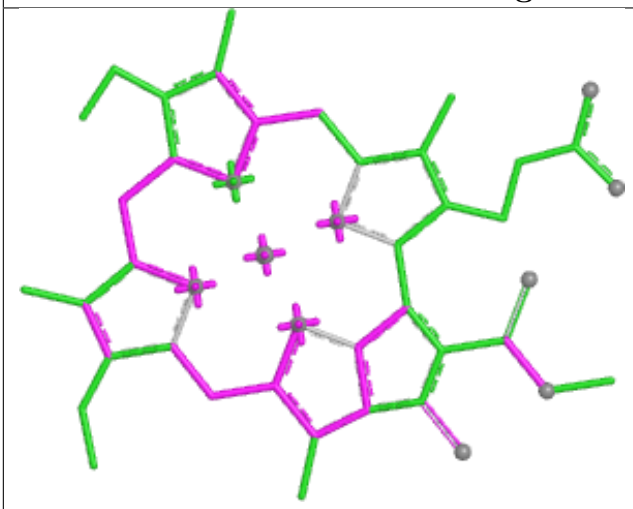


Torsions



Rings

Ligand CLA B 1218



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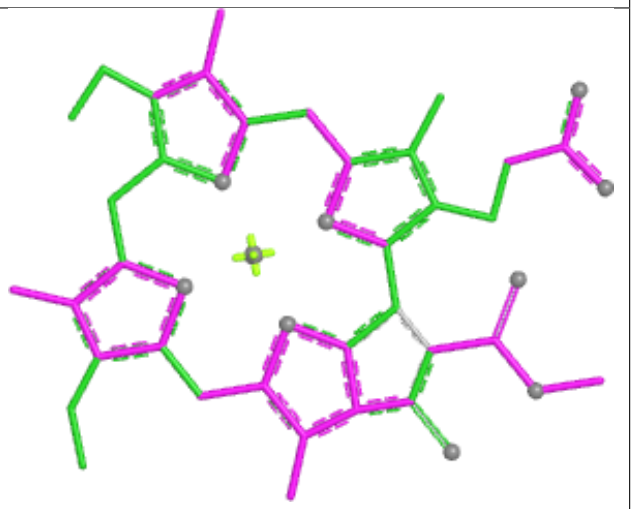
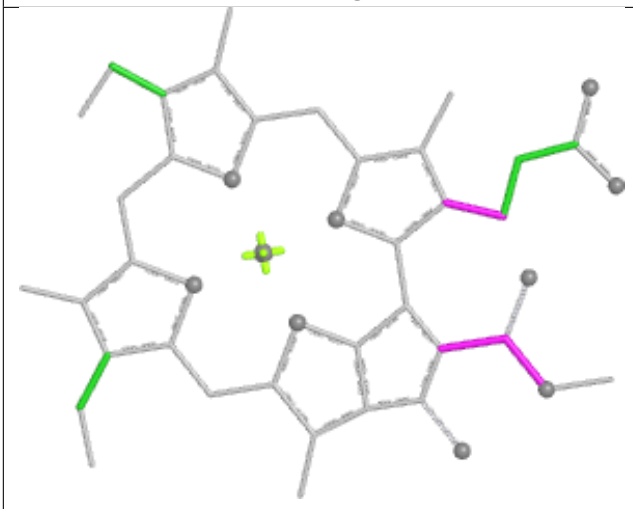


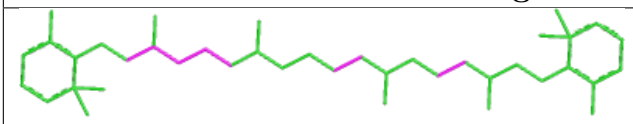
Bond angles



Torsions

Rings

Ligand BCR U 4022



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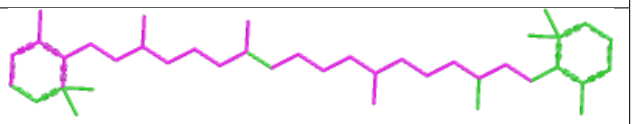
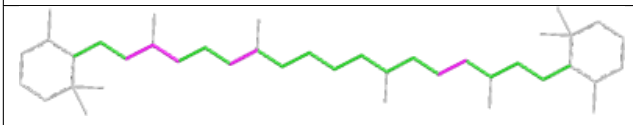
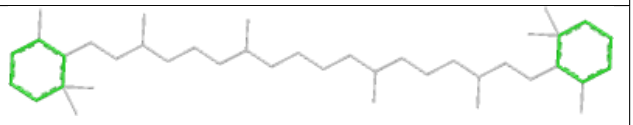


Bond angles

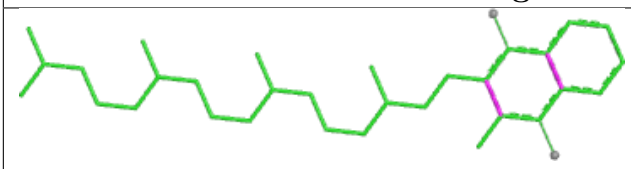


Torsions



Rings

Ligand PQN A 2001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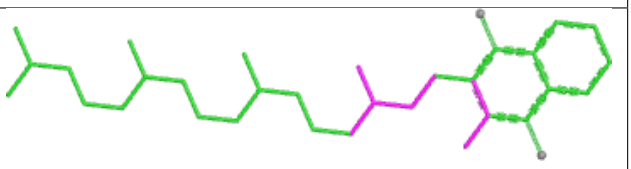
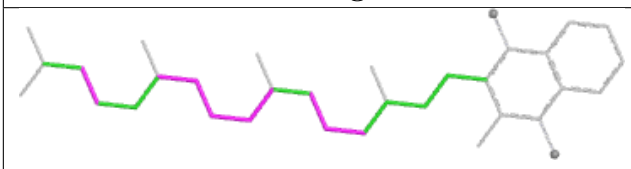
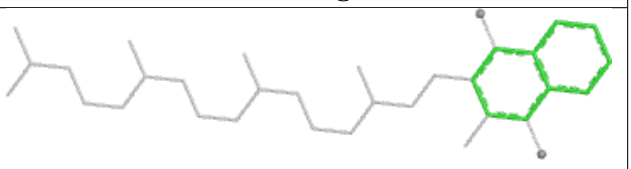
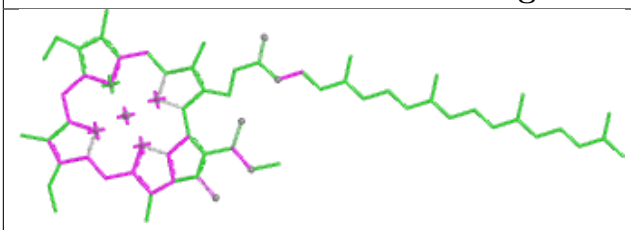

Bond angles


Torsions


Rings

Ligand CLA b 1216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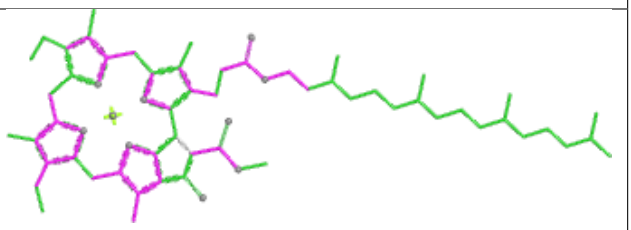
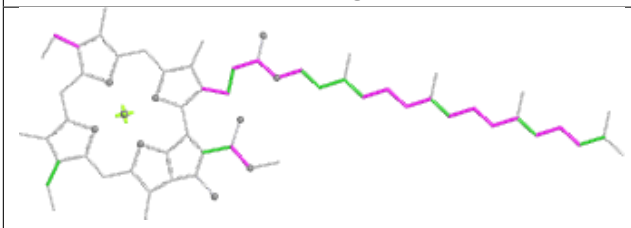
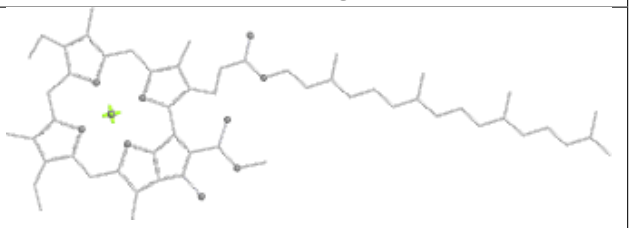
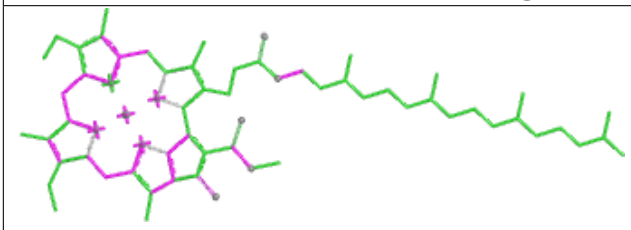
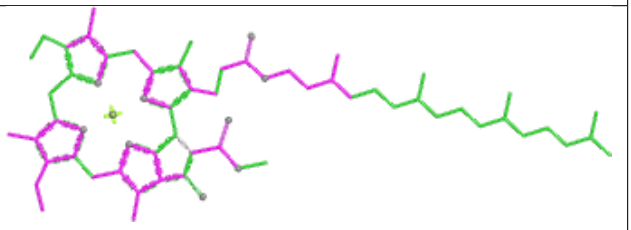

Bond angles

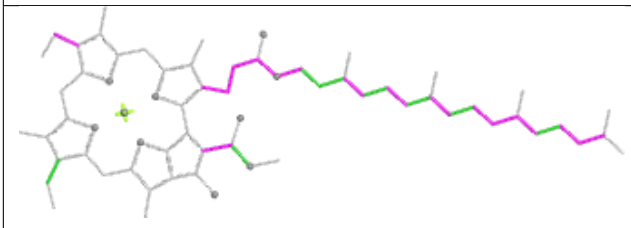

Torsions

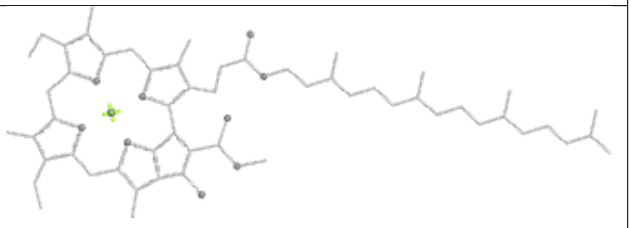

Rings

Ligand CLA b 1203

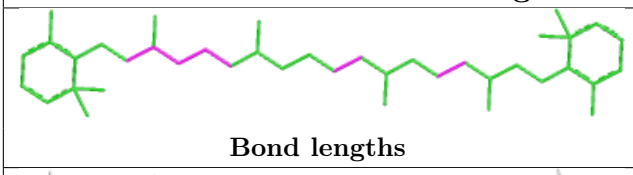

Bond lengths


Bond angles

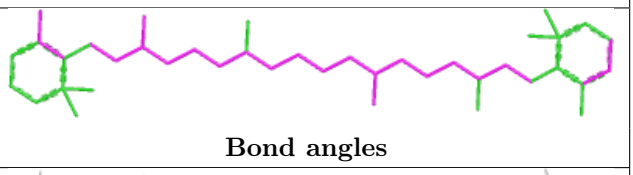

Torsions


Rings

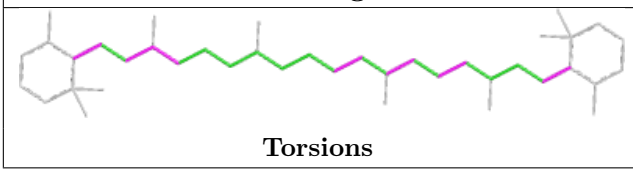
Ligand BCR A 4001



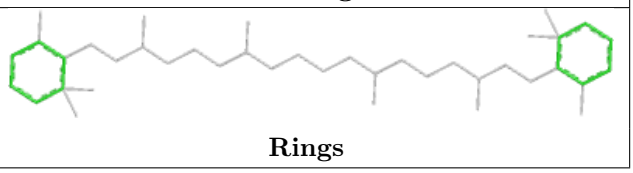
Bond lengths



Bond angles

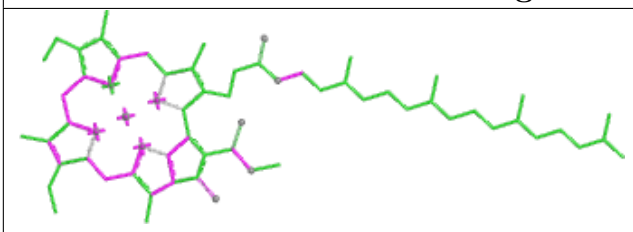


Torsions

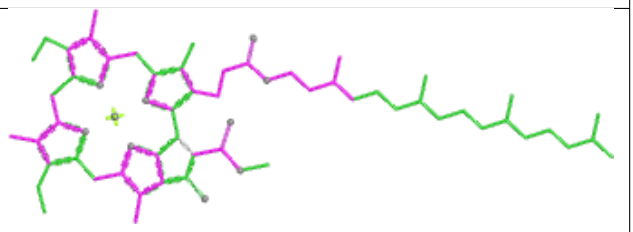


Rings

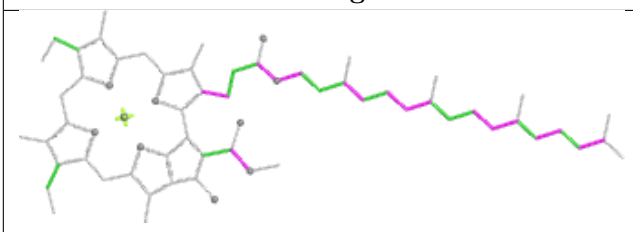
Ligand CLA B 1226



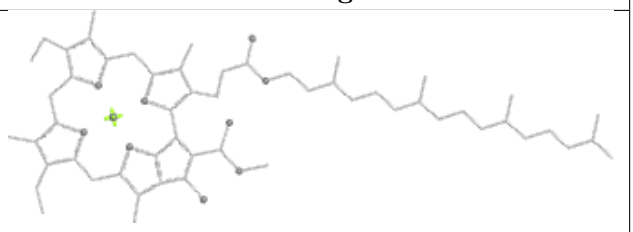
Bond lengths



Bond angles

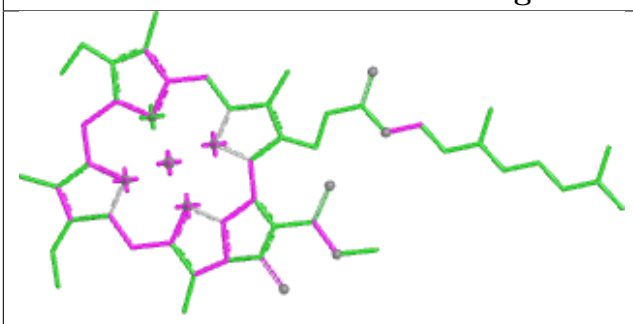


Torsions

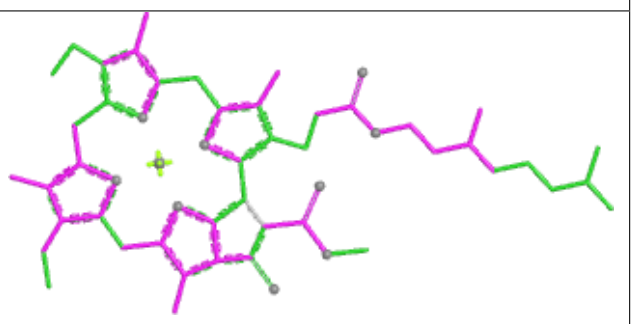


Rings

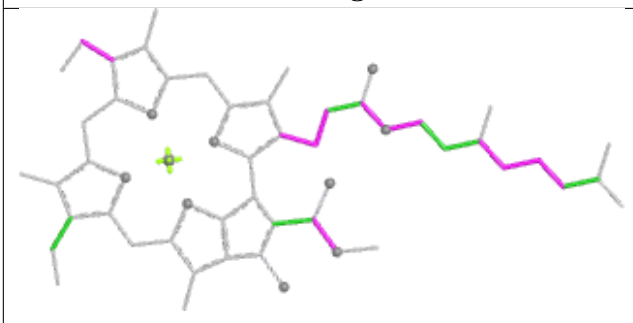
Ligand CLA G 1122



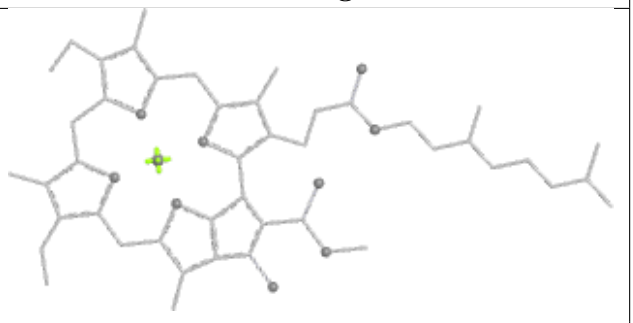
Bond lengths



Bond angles

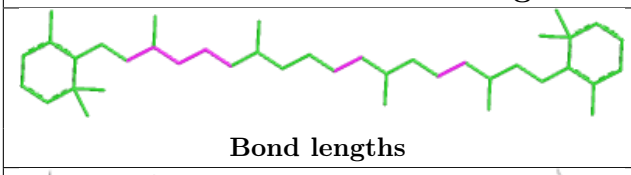


Torsions



Rings

Ligand BCR B 4009



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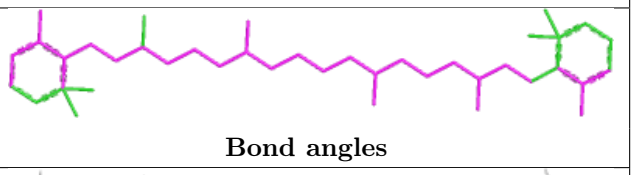
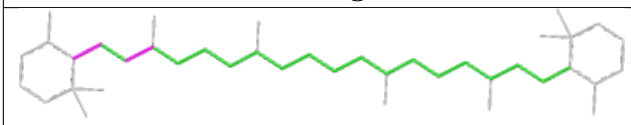
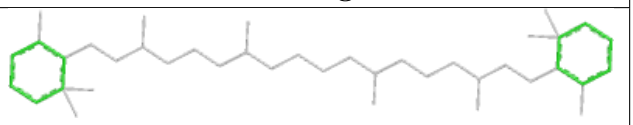


Bond angles

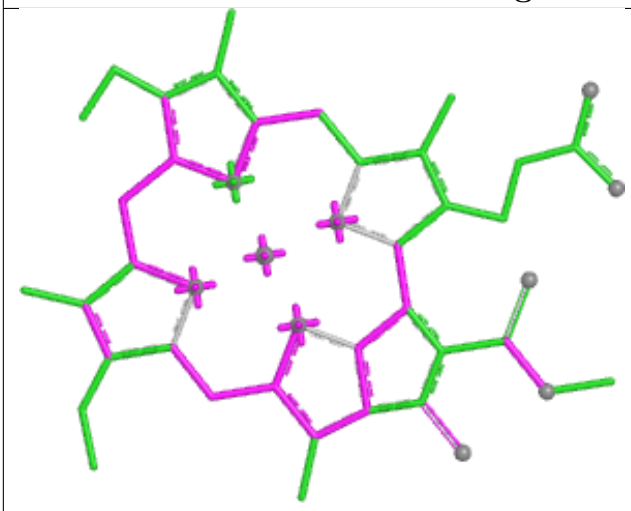


Torsions

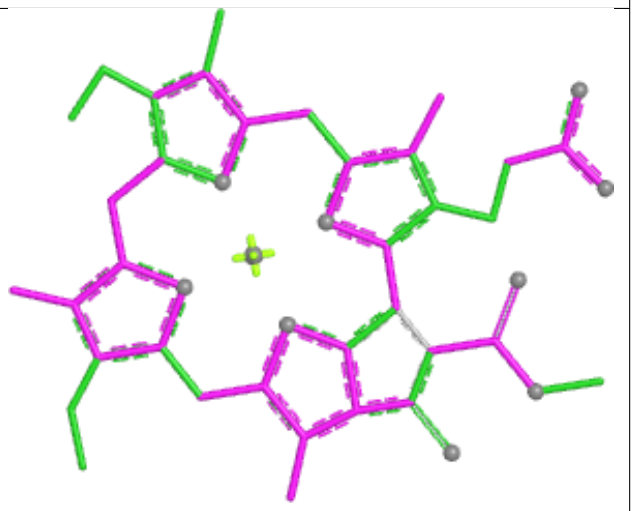


Rings

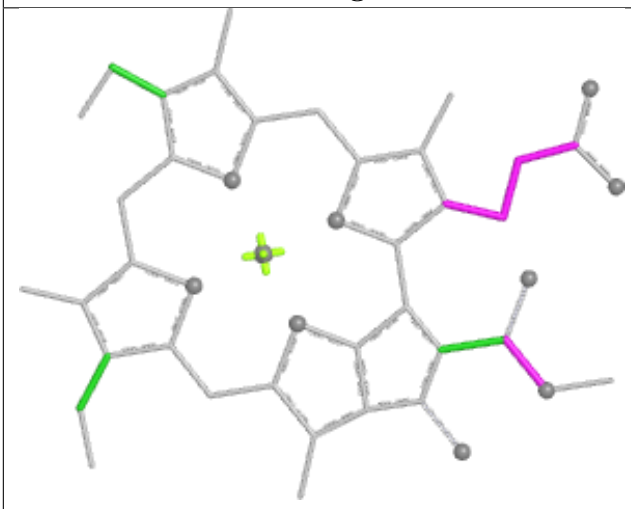
Ligand CLA A 1134



Bond lengths



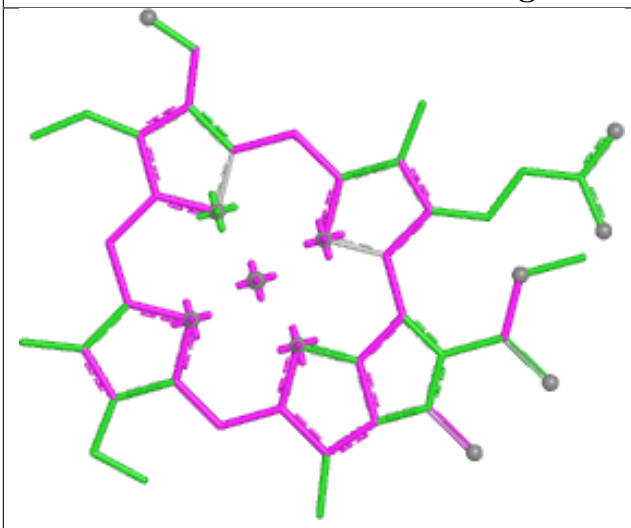
Bond angles



Torsions

Rings

Ligand F6C H 1230



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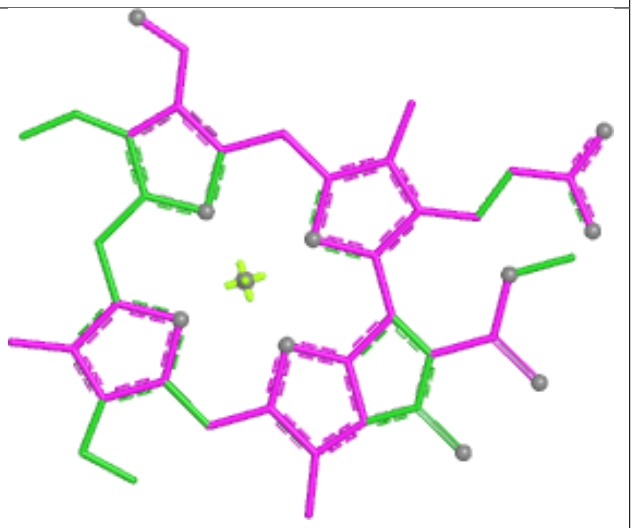
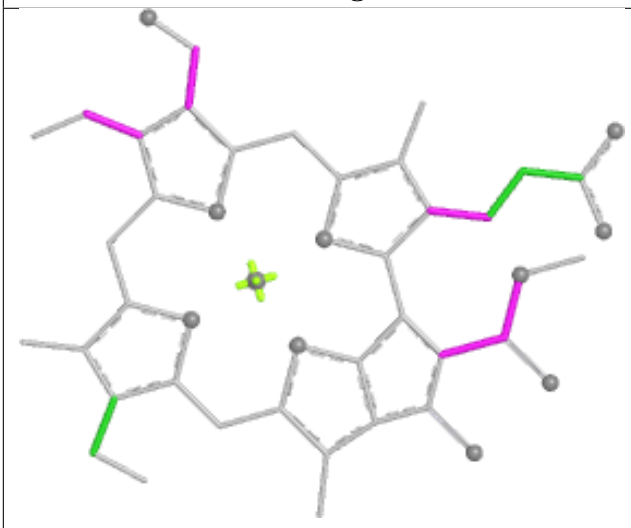
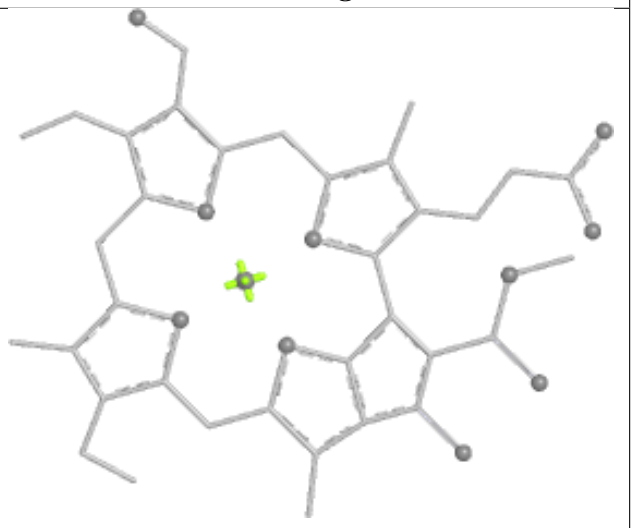


Bond angles

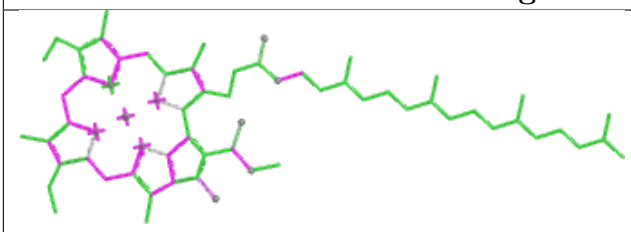


Torsions

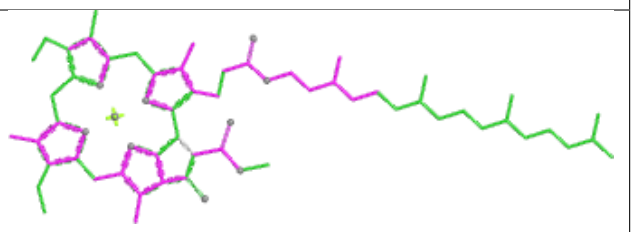


Rings

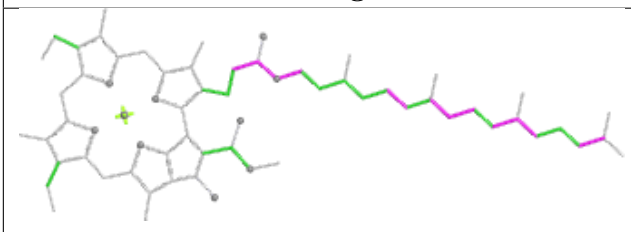
Ligand CL0 G 1011



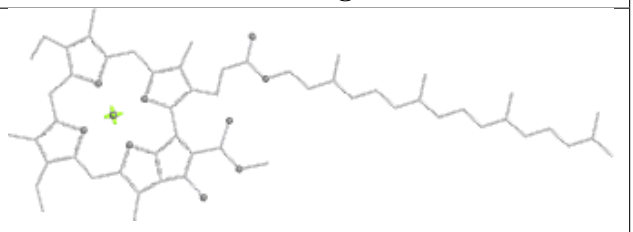
Bond lengths



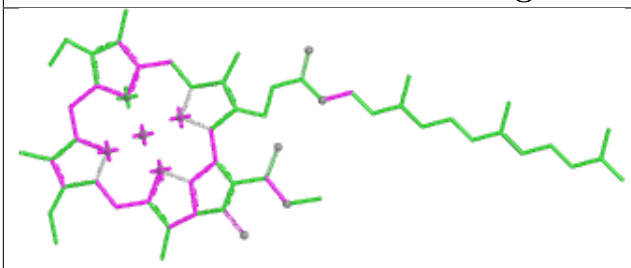
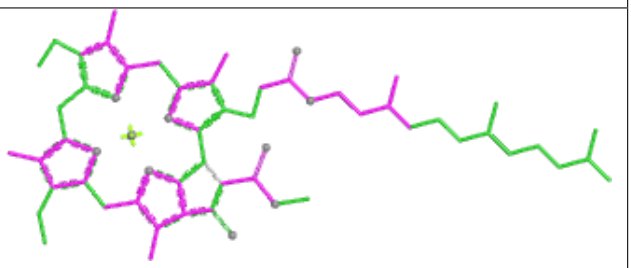
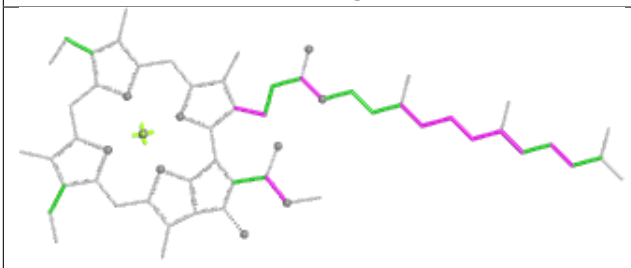
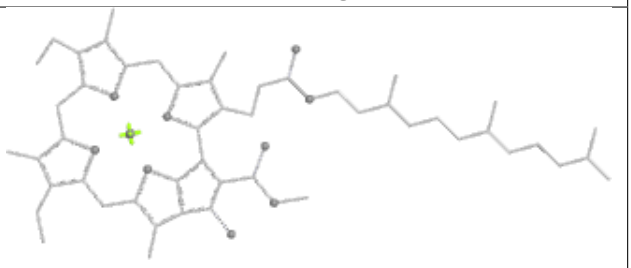
Bond angles



Torsions



Rings

Ligand CLA B 1215	
	
Bond lengths	Bond angles
	
Torsions	Rings

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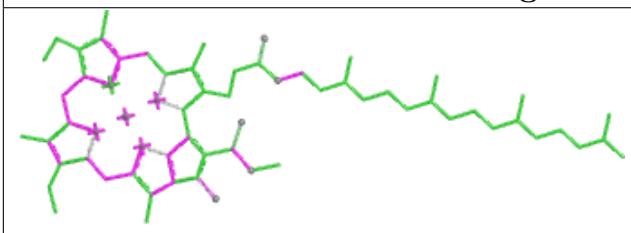
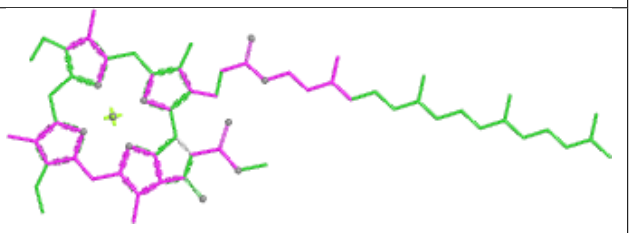
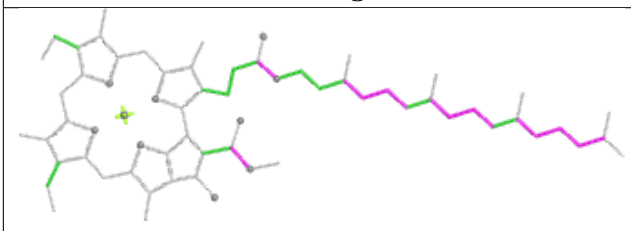
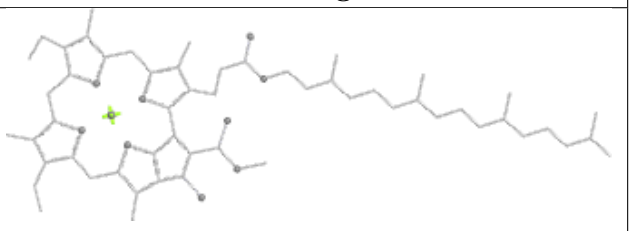
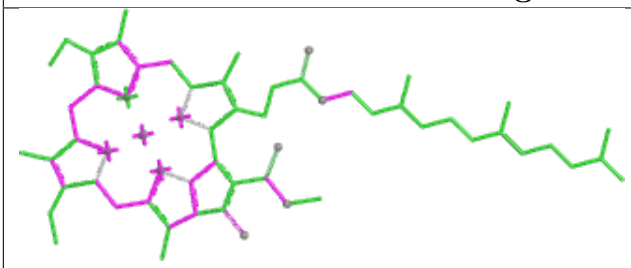
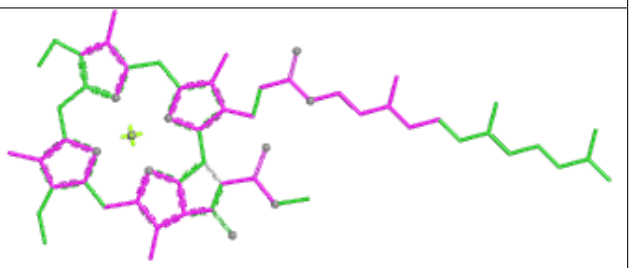
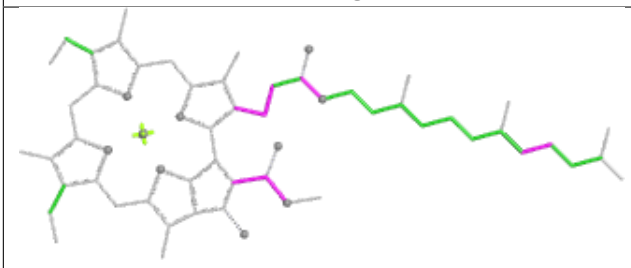
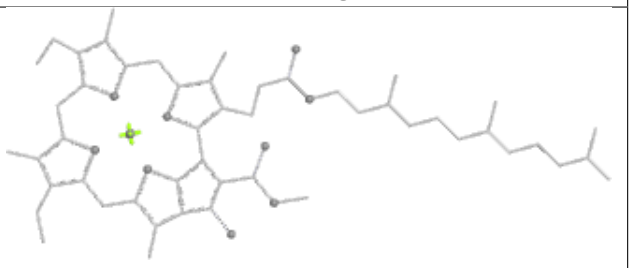
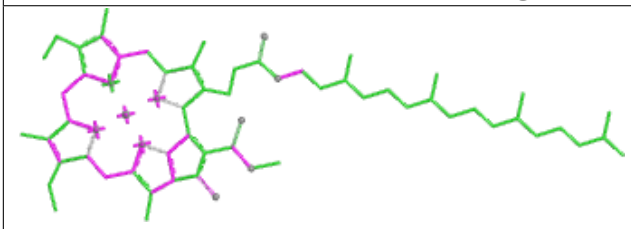
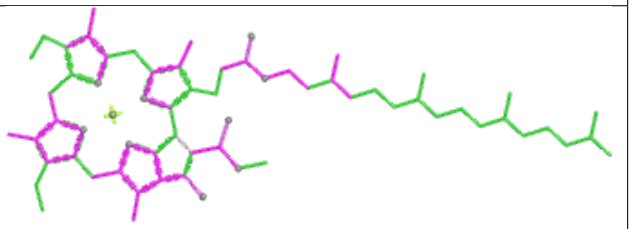
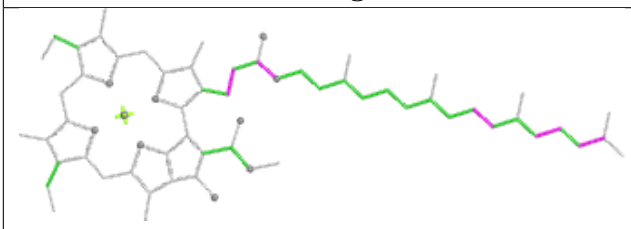
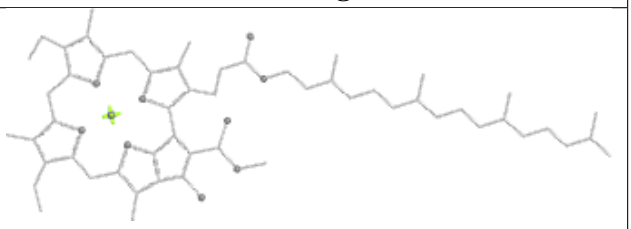
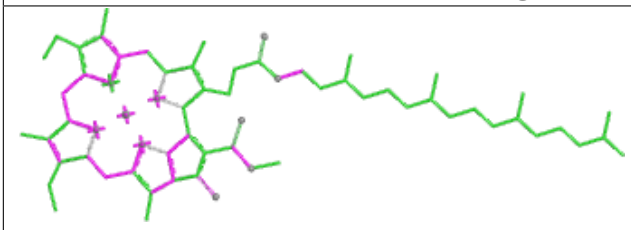
	
Bond lengths	Bond angles
	
Torsions	Rings

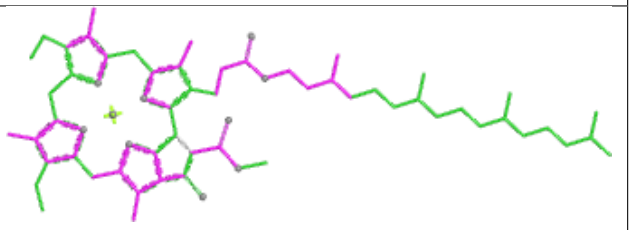
Ligand CLA A 1106	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA U 1501	
	
Bond lengths	Bond angles
	
Torsions	Rings

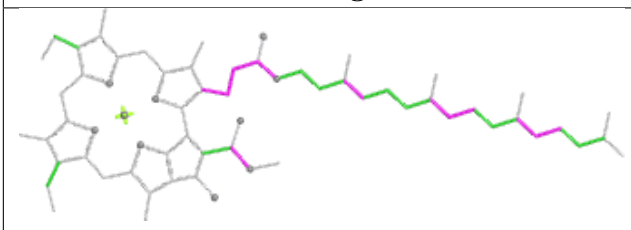
Ligand CLA G 1127



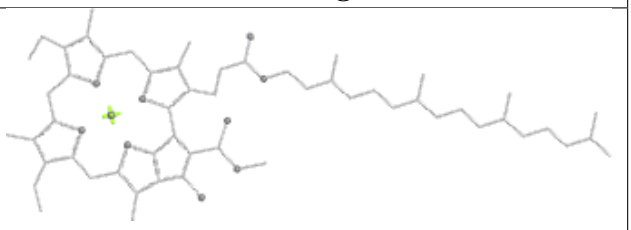
Bond lengths



Bond angles

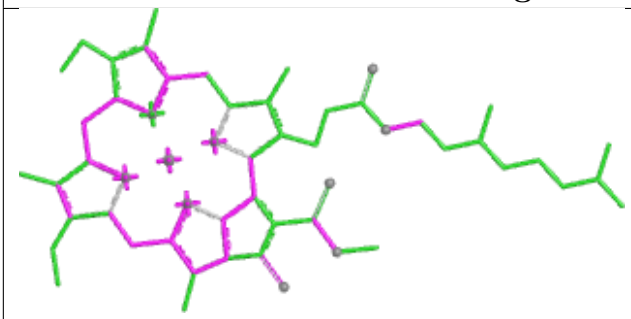


Torsions

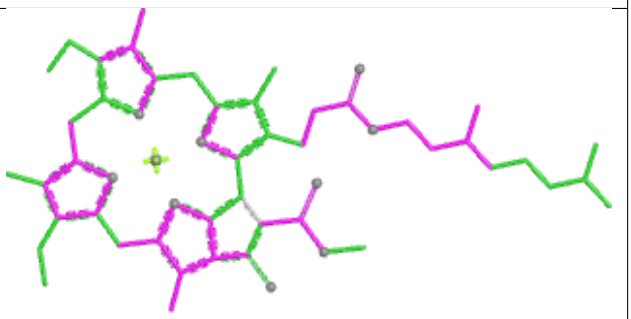


Rings

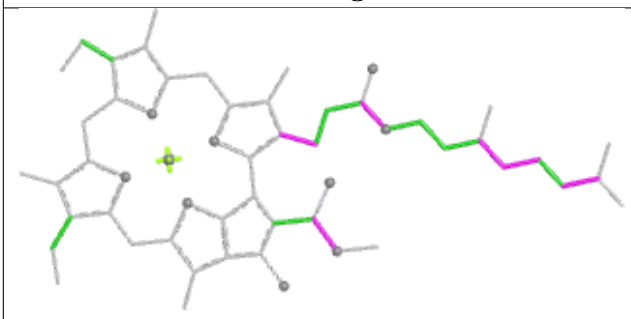
Ligand CLA G 1112



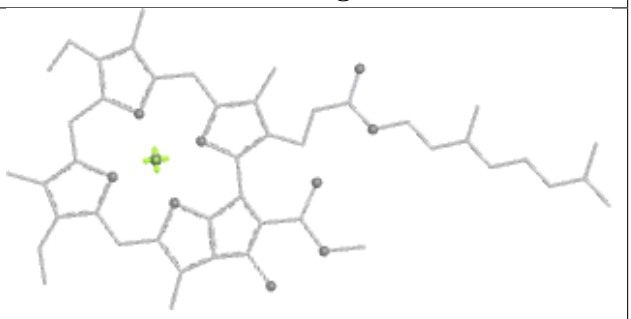
Bond lengths



Bond angles

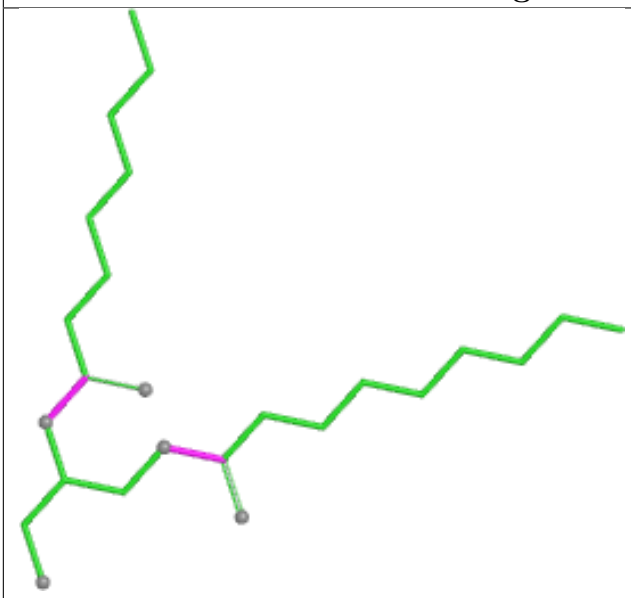


Torsions



Rings

Ligand LHG U 5101



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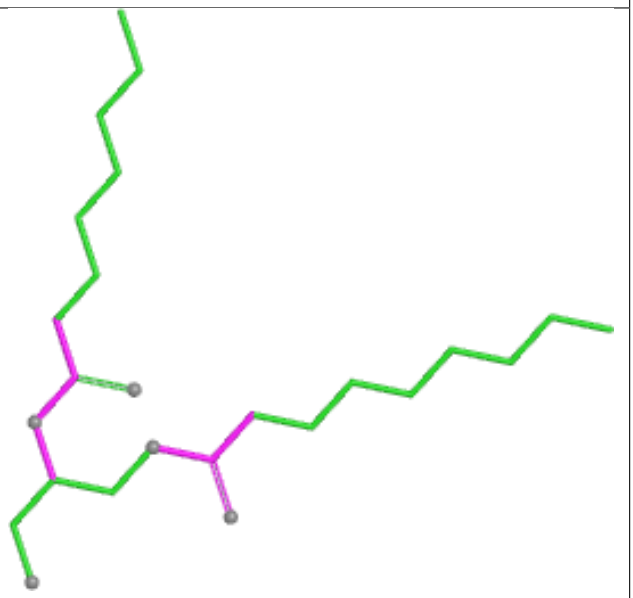
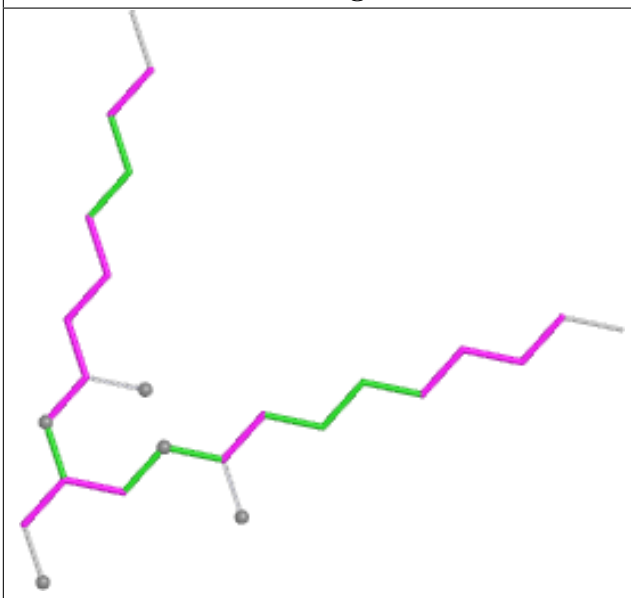
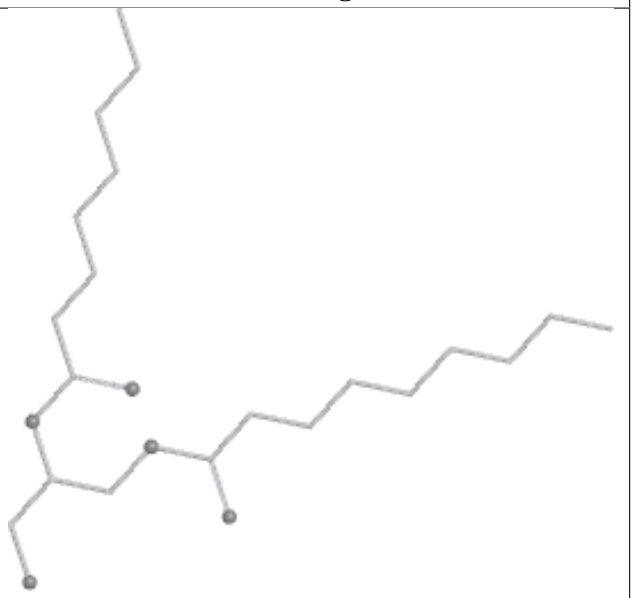


Bond angles

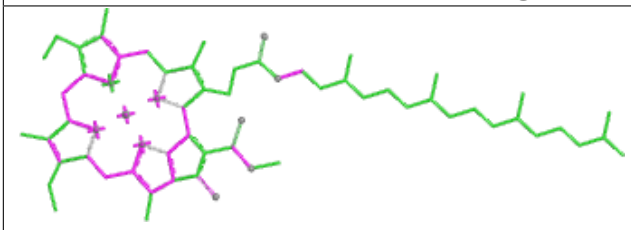


Torsions

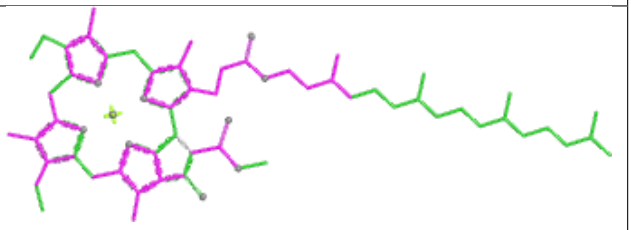


Rings

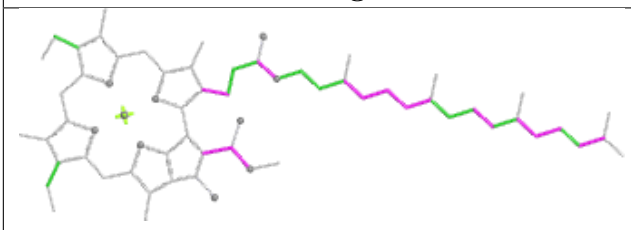
Ligand CLA A 1117



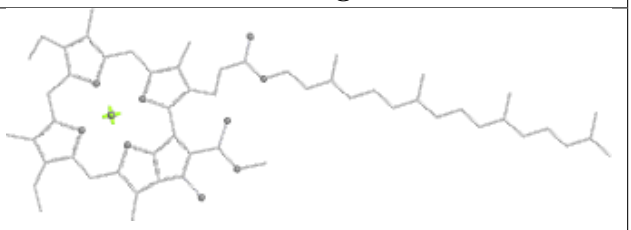
Bond lengths



Bond angles

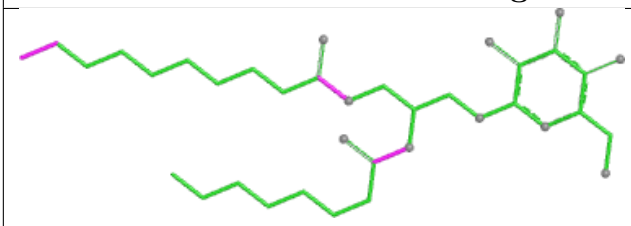


Torsions



Rings

Ligand LMG R 5006



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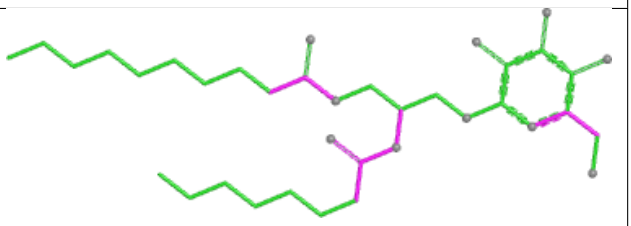

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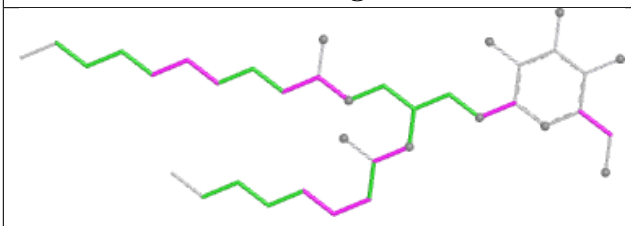

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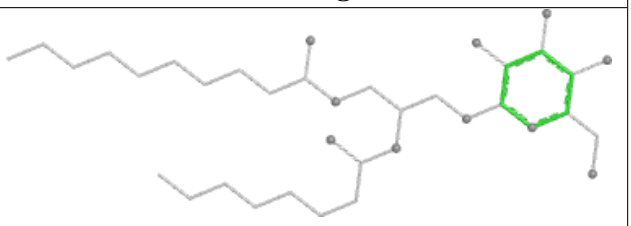
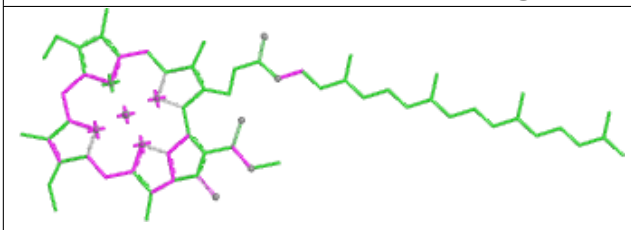


Rings

Ligand CLA A 1119



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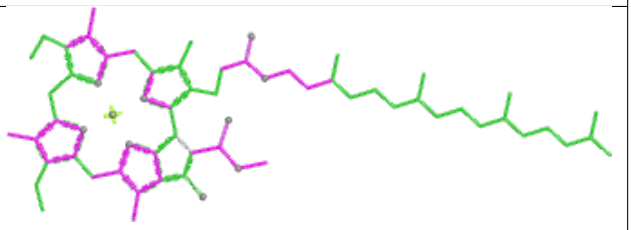

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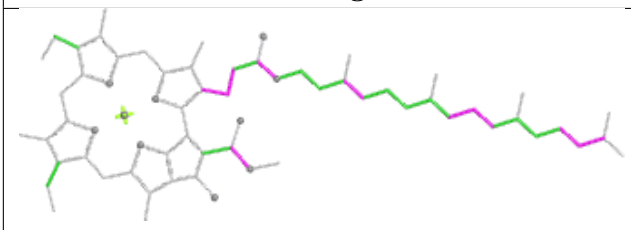

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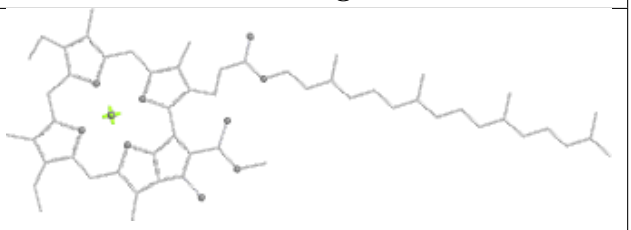

Rings

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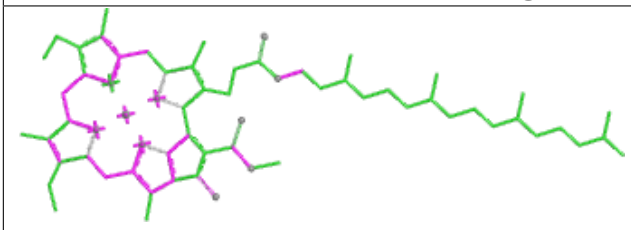
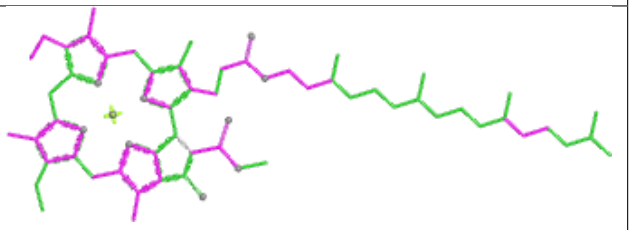
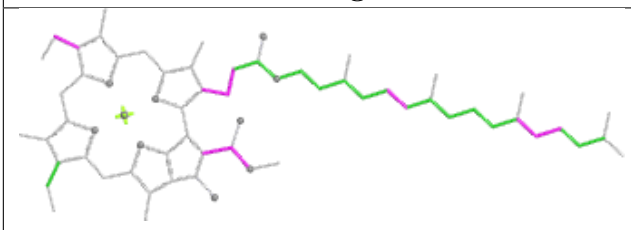
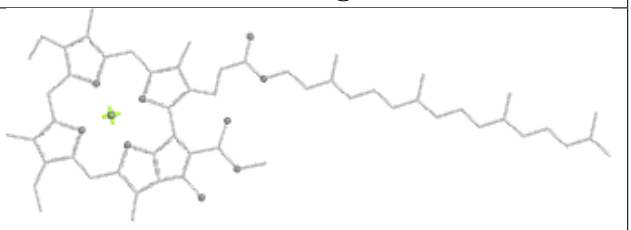
 Bond lengths	 Bond angles
 Torsions	 Rings

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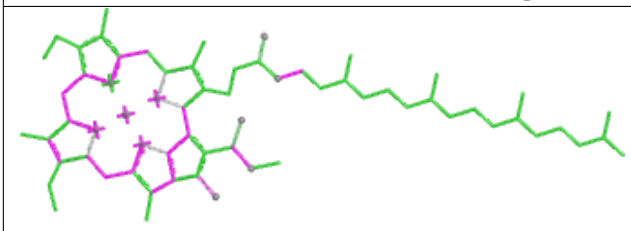
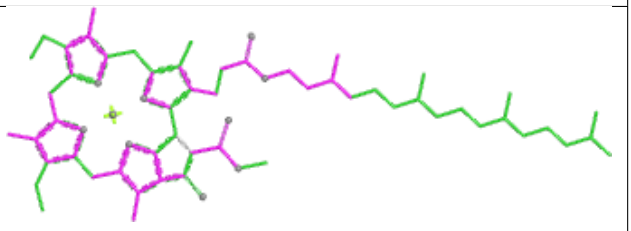
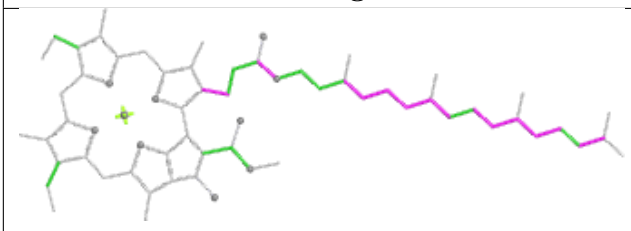
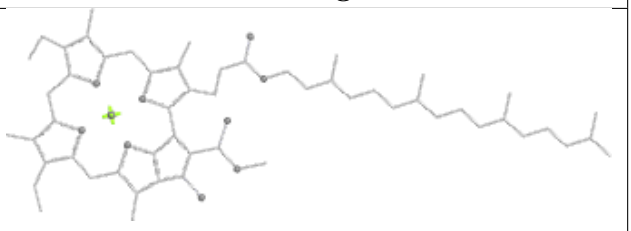
 Bond lengths	 Bond angles
 Torsions	 Rings

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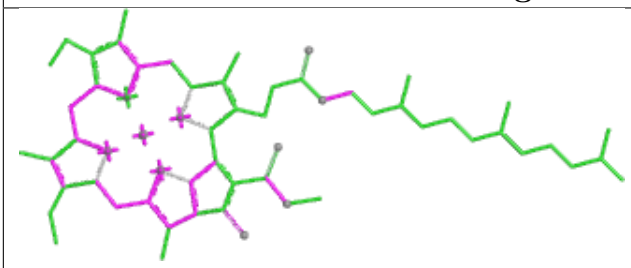
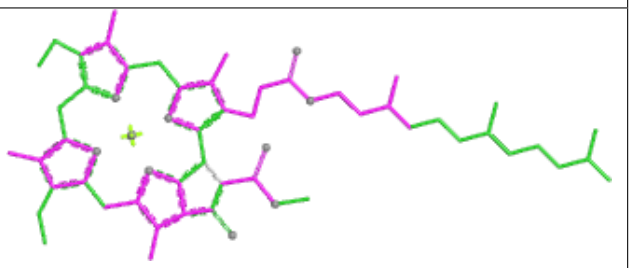
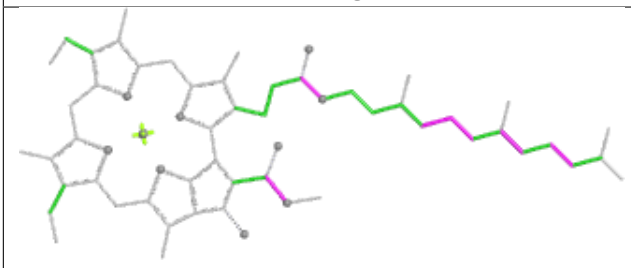
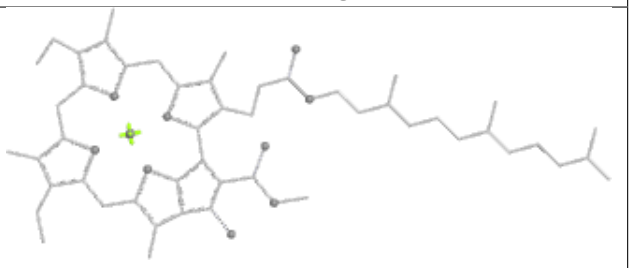
	
Bond lengths	Bond angles
	
Torsions	Rings

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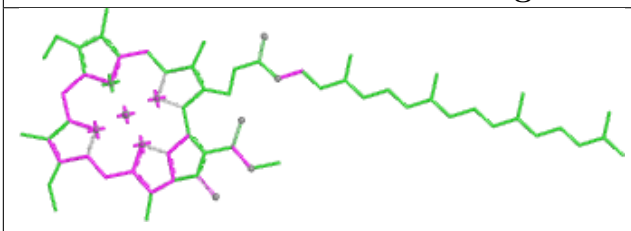
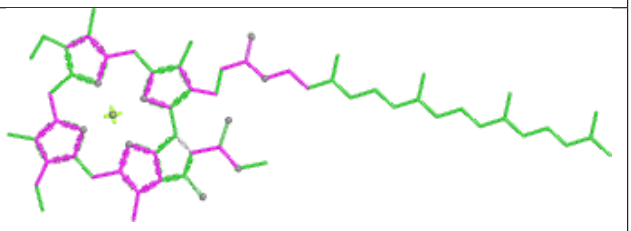
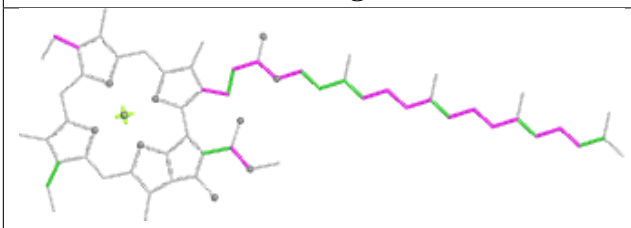
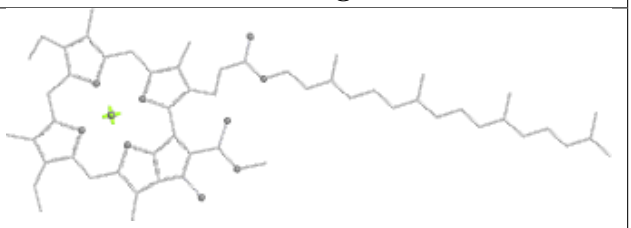
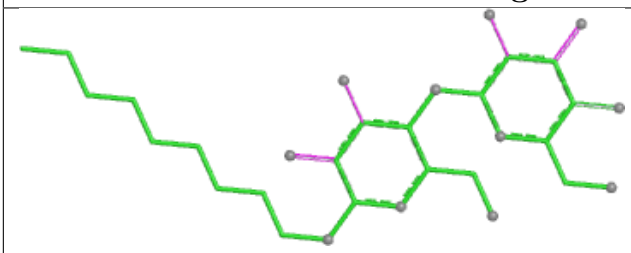
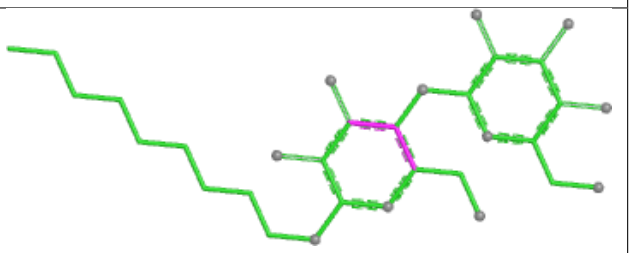
	
Bond lengths	Bond angles
	
Torsions	Rings

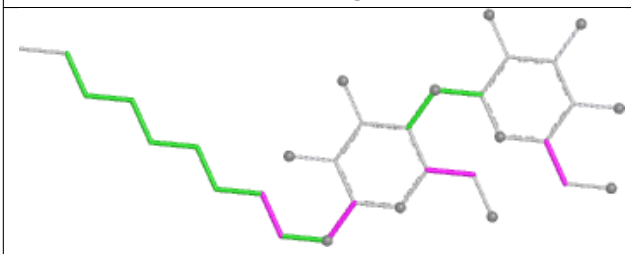
Ligand LMT G 6003



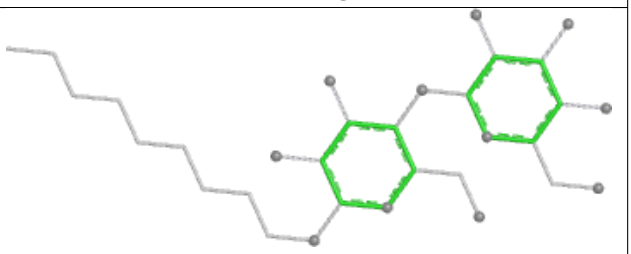
Bond lengths



Bond angles

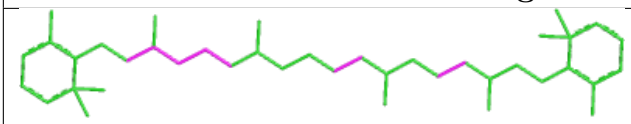


Torsions



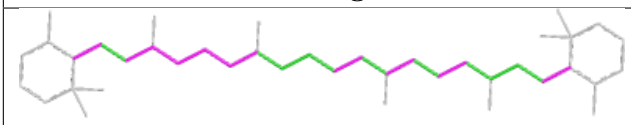
Rings

Ligand BCR k 4001



Bond lengths

Bond angles



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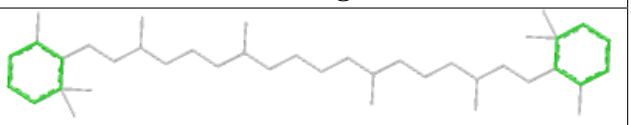
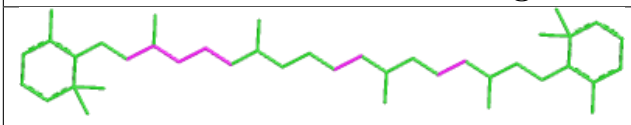


Rings

Ligand BCR A 4004



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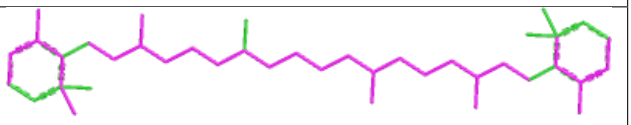
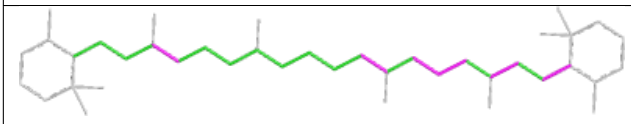


Bond angles



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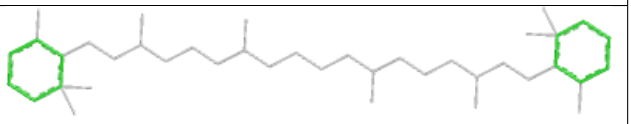
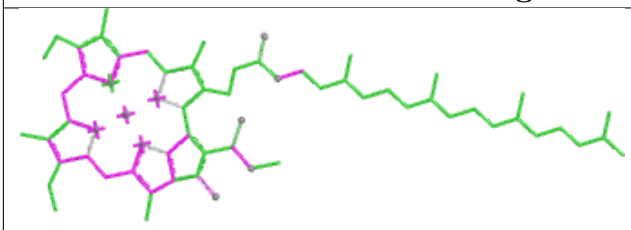


Rings

Ligand CLA B 1216



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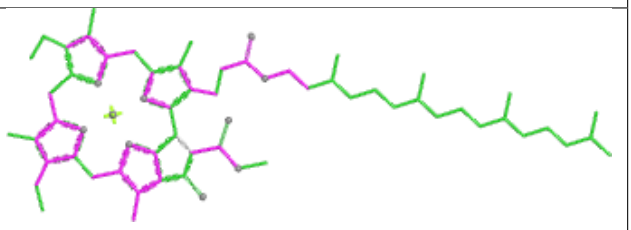
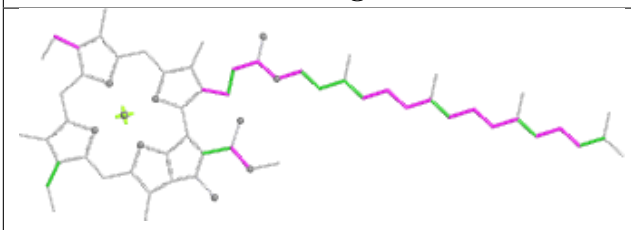


Bond angles



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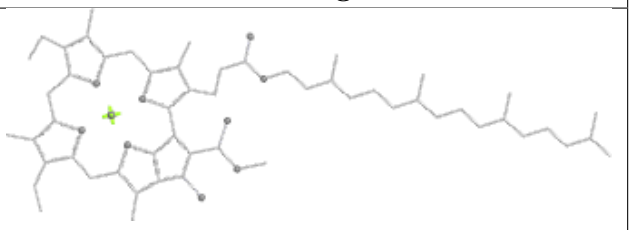
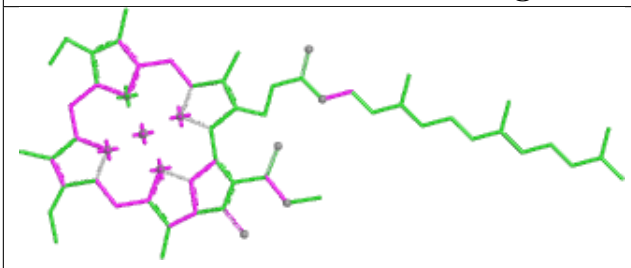


Rings

Ligand CLA G 1126



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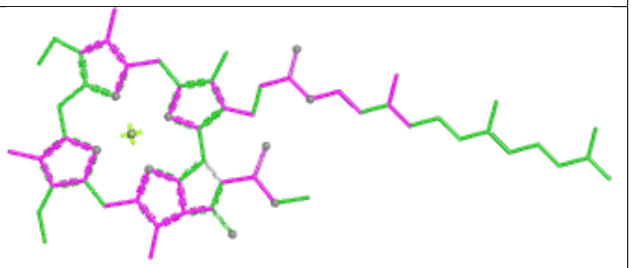
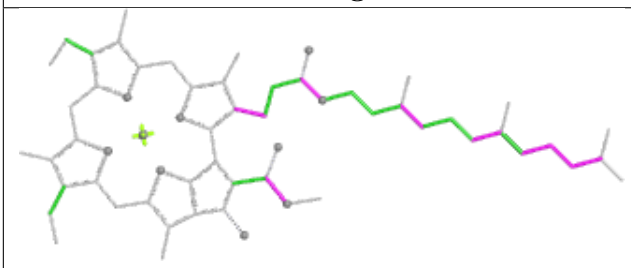


Bond angles



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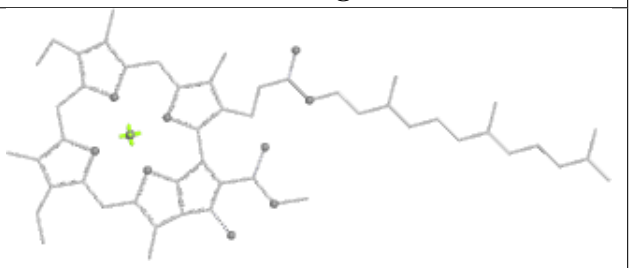
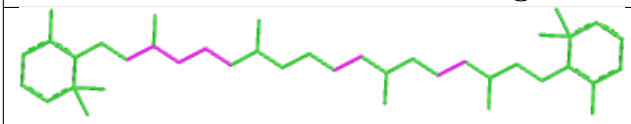


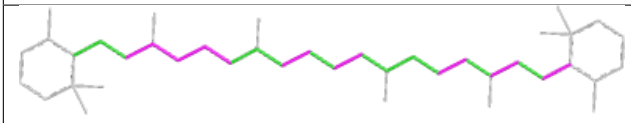
Rings

Ligand BCR G 4002



Bond lengths

Bond angles



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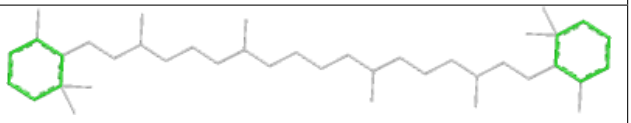
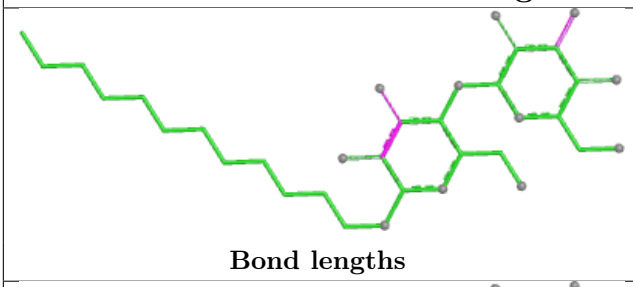


Rings

Ligand LMT b 6003



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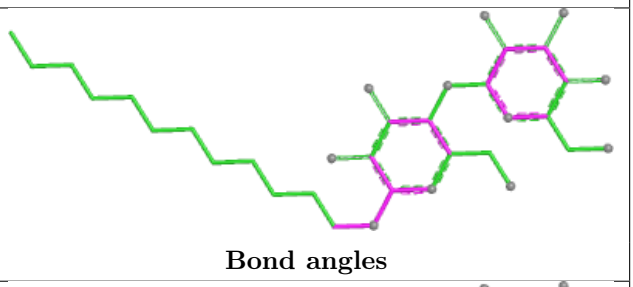
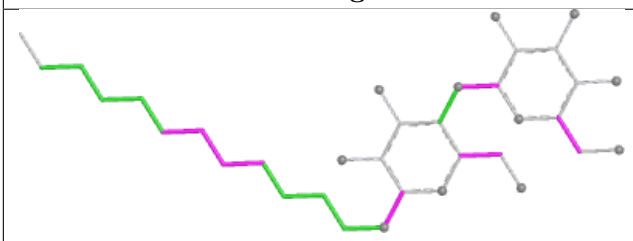


Bond angles



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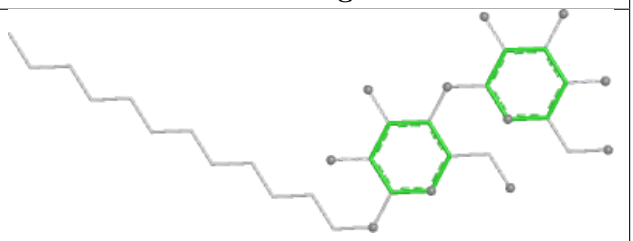
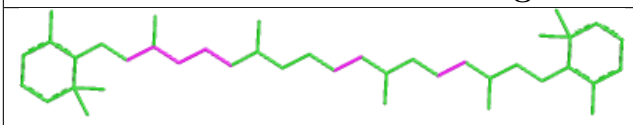
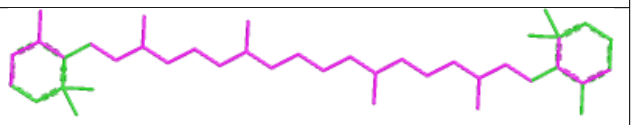


Rings

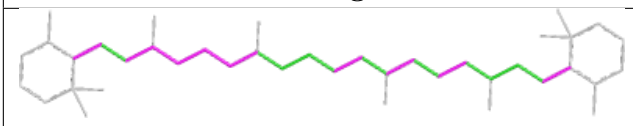
Ligand BCR T 4001



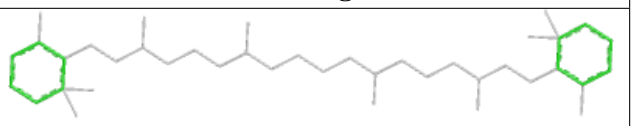
Bond lengths



Bond angles

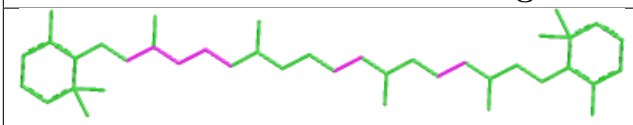


Torsions

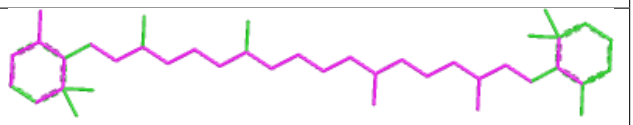


Rings

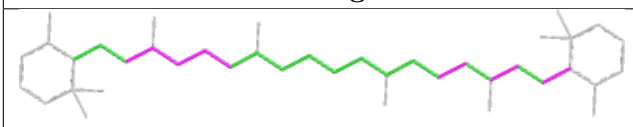
Ligand BCR b 4004



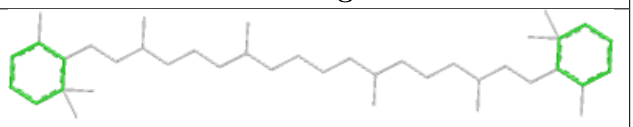
Bond lengths



Bond angles

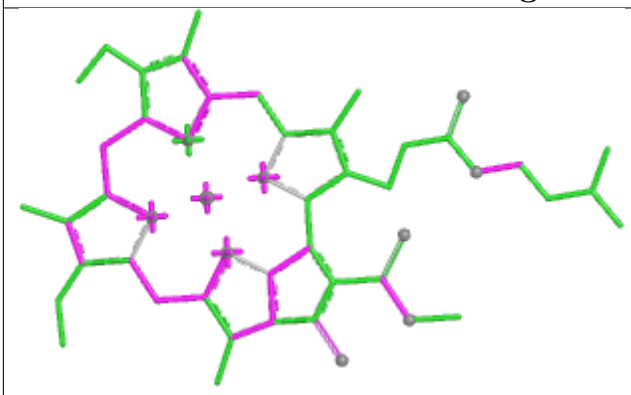


Torsions



Rings

Ligand CLA a 1137



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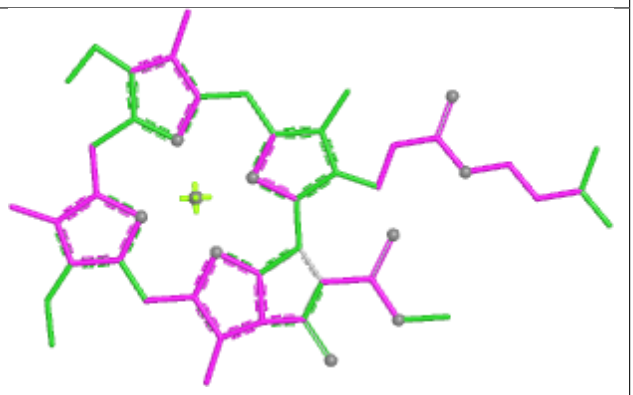
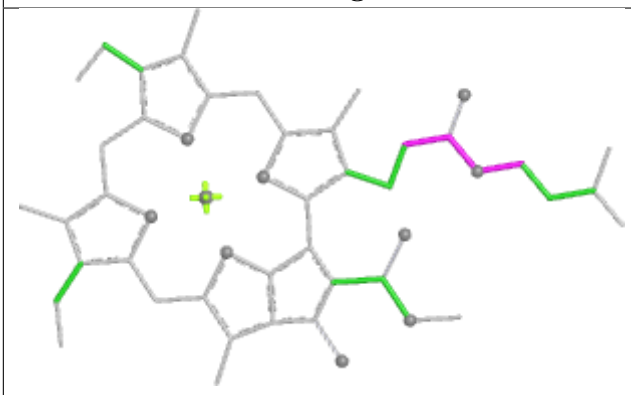
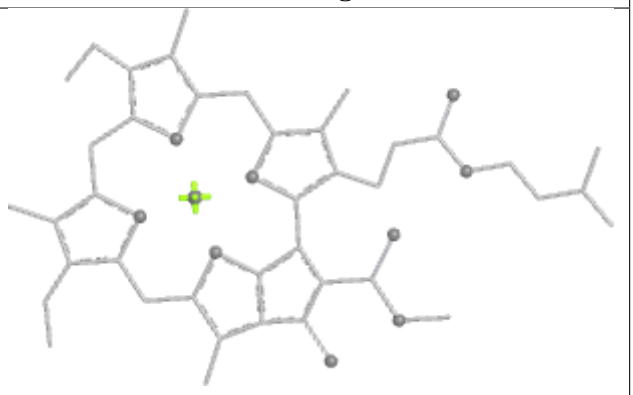


Bond angles

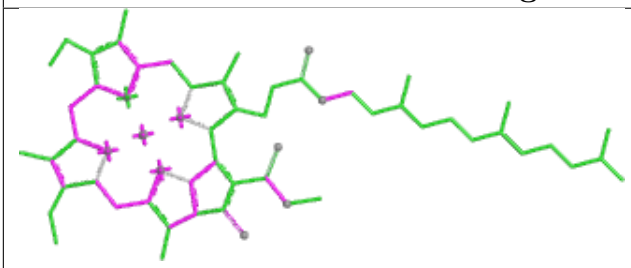


Torsions



Rings

Ligand CLA a 1123



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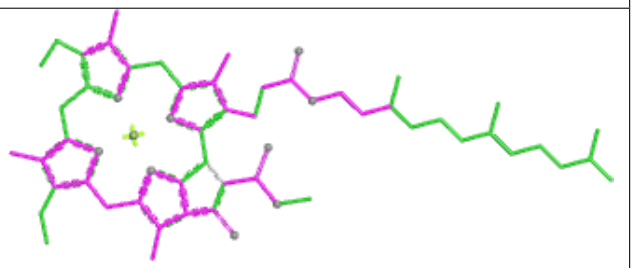
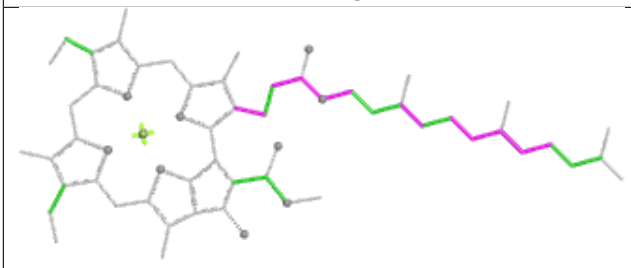
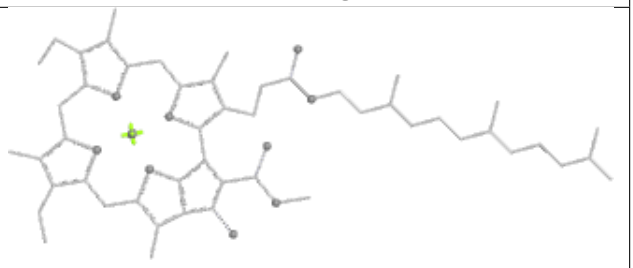


Bond angles

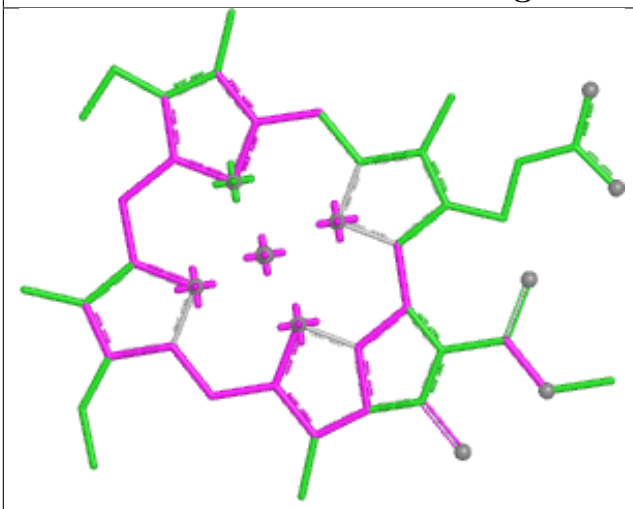


Torsions



Rings

Ligand CLA G 1141



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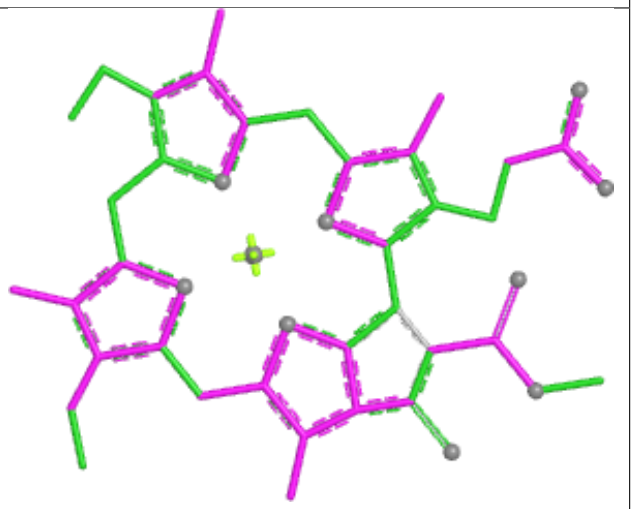
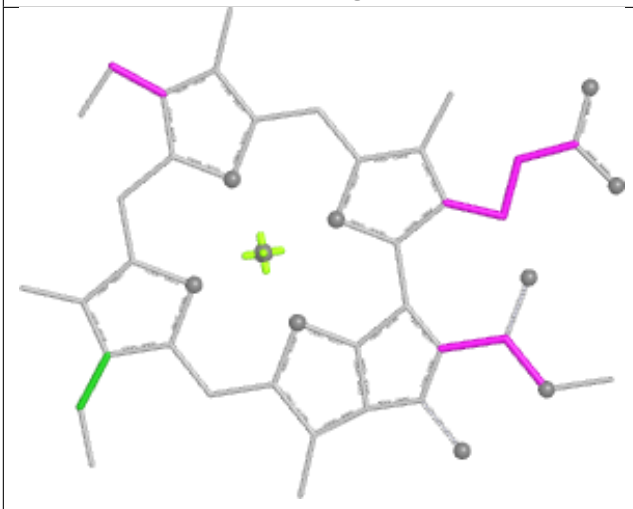


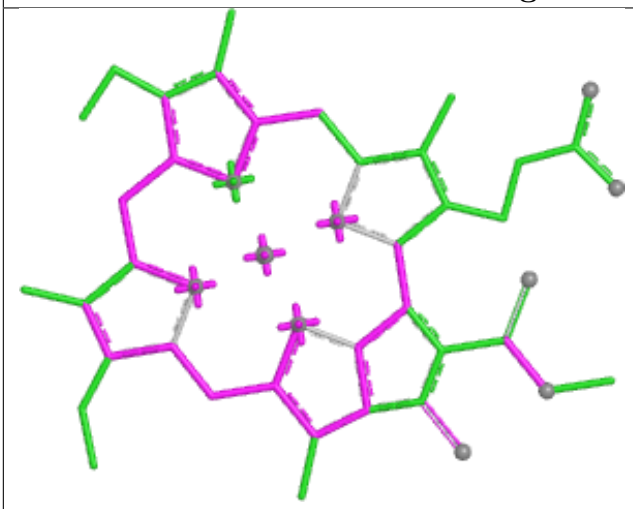
Bond angles



Torsions

Rings

Ligand CLA a 1141



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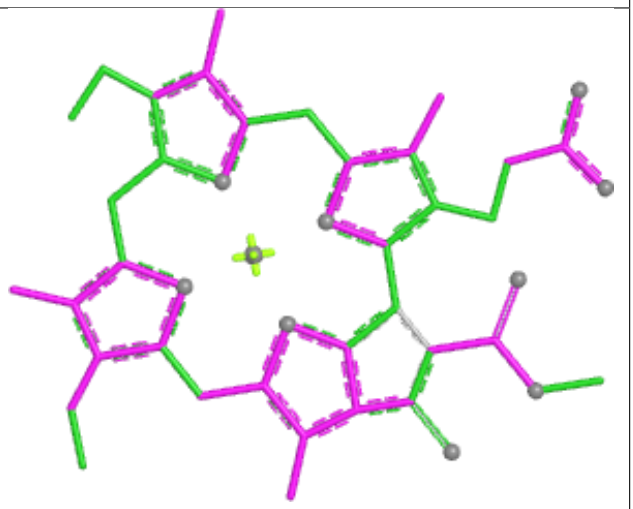

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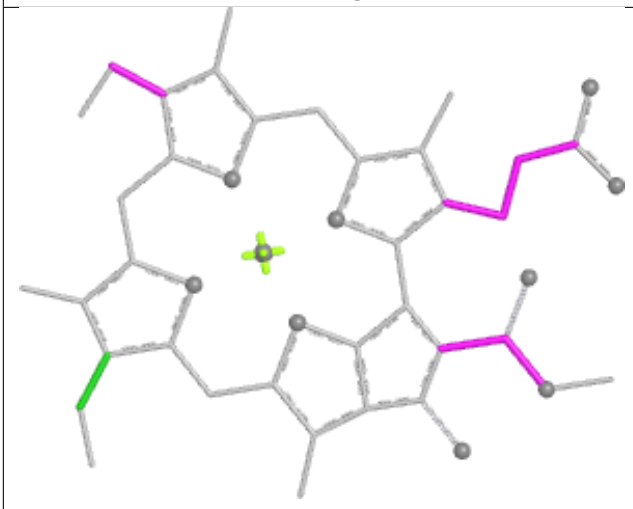
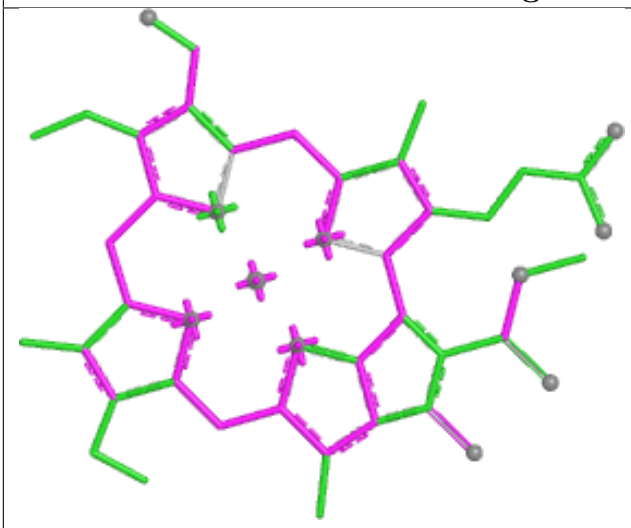


Torsions

Rings

Ligand F6C b 1230



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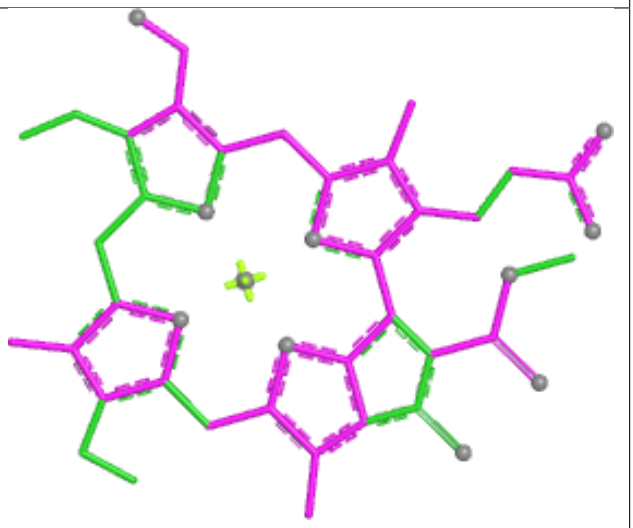

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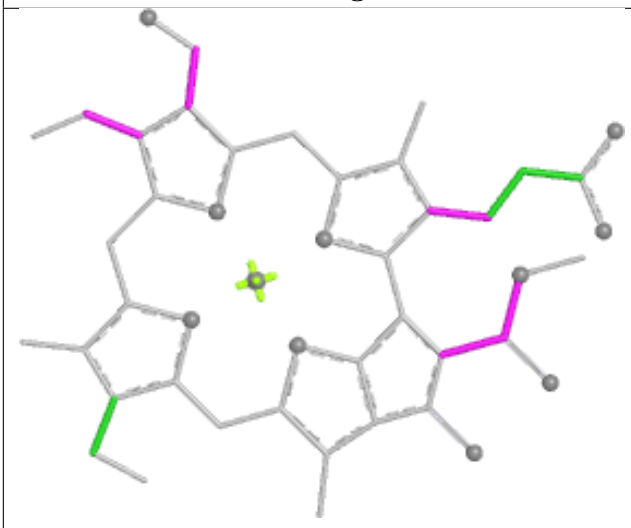

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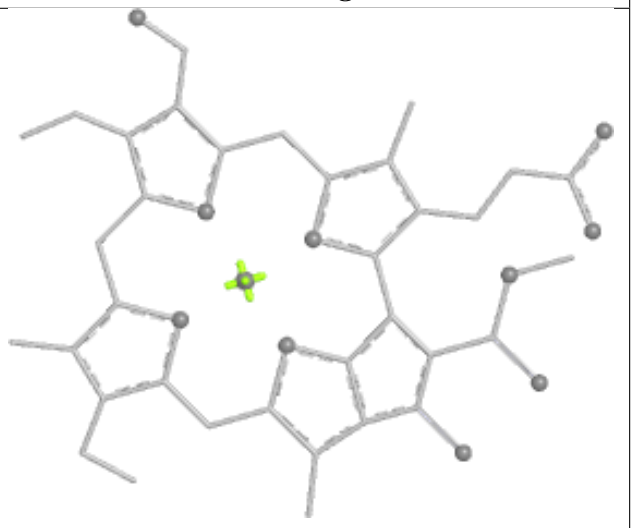
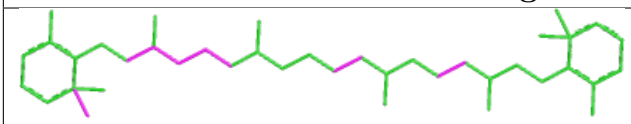


Rings

Ligand BCR I 4020



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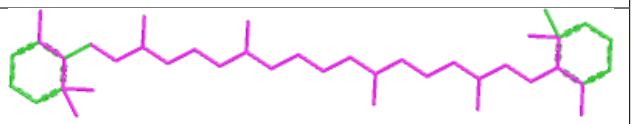
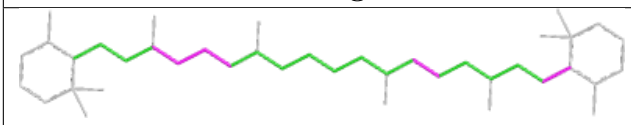


Bond angles



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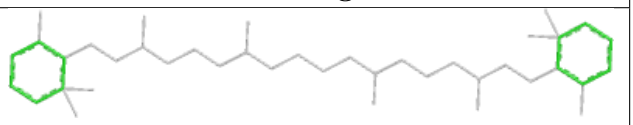
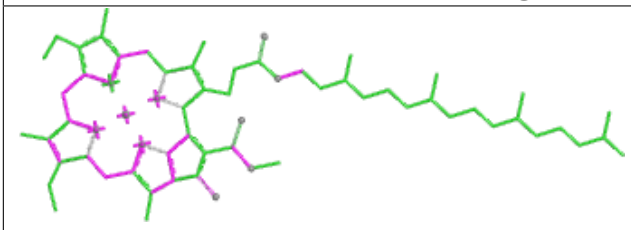


Rings

Ligand CLA B 1225



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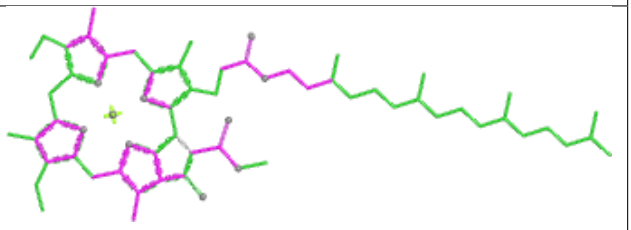
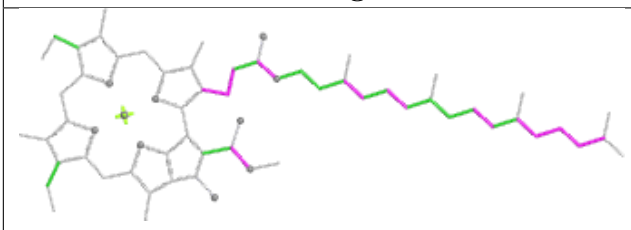


Bond angles



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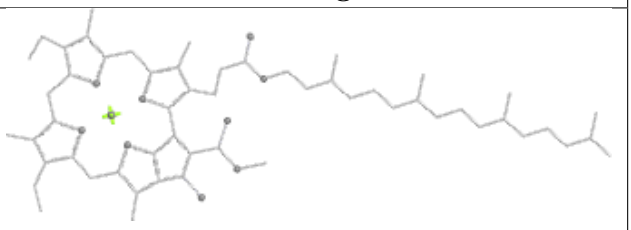
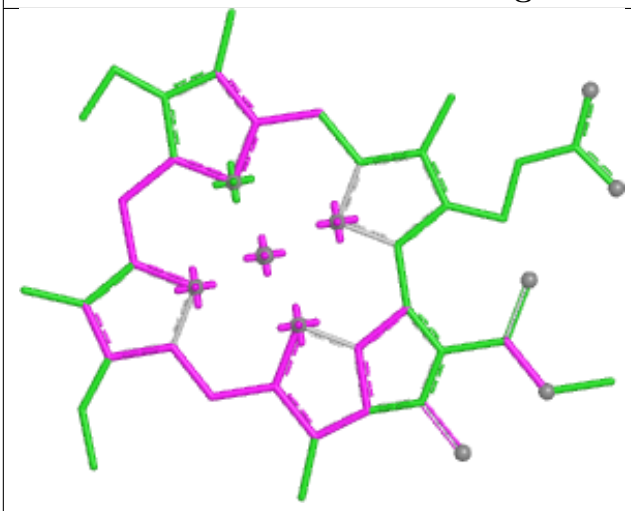


Rings

Ligand CLA A 1108



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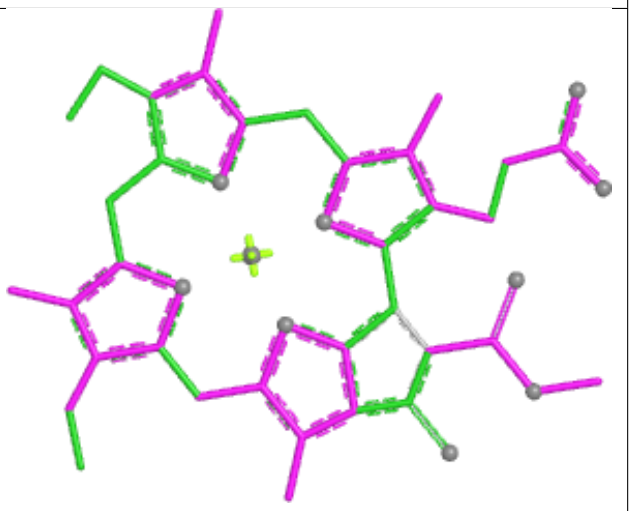
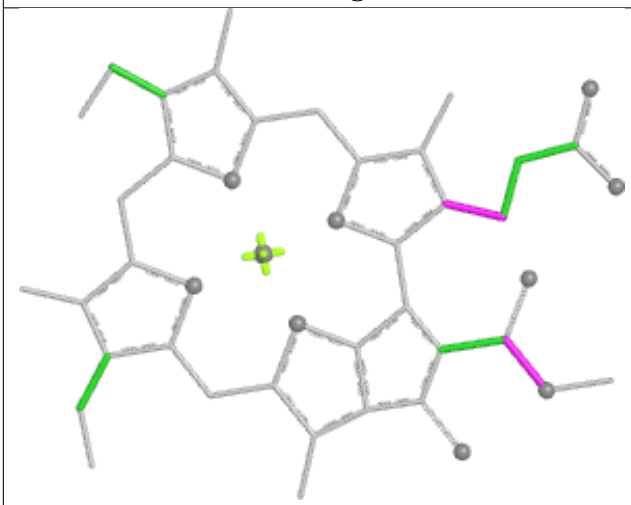


Bond angles



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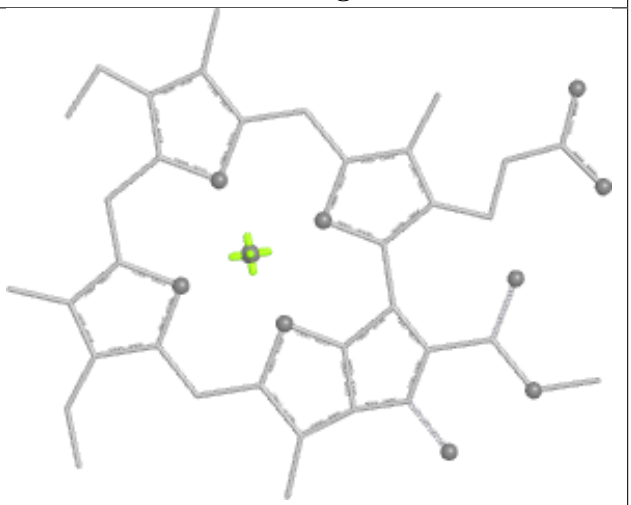
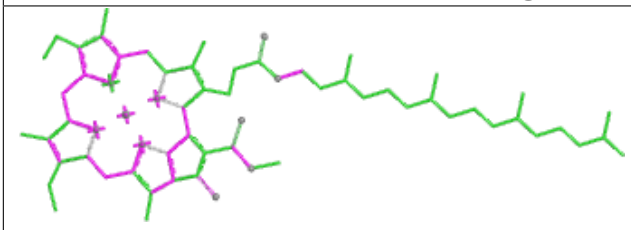


Rings

Ligand CLA a 1136



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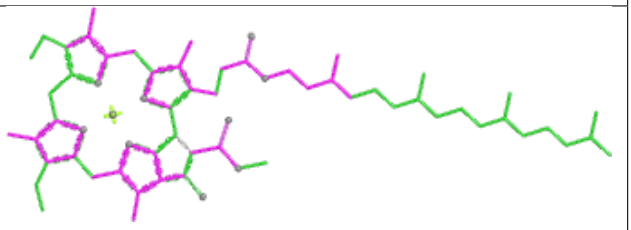

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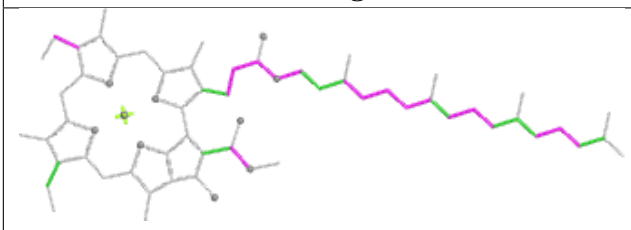

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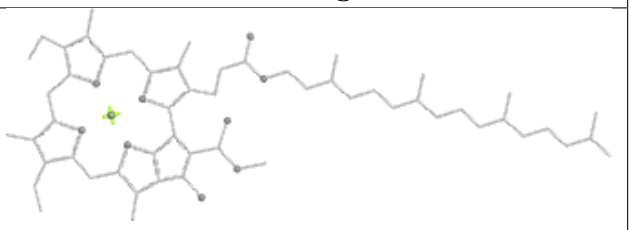
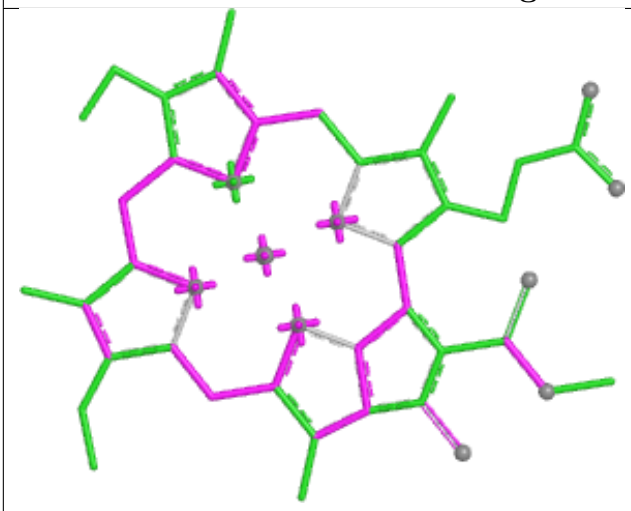


Rings

Ligand CLA a 1120



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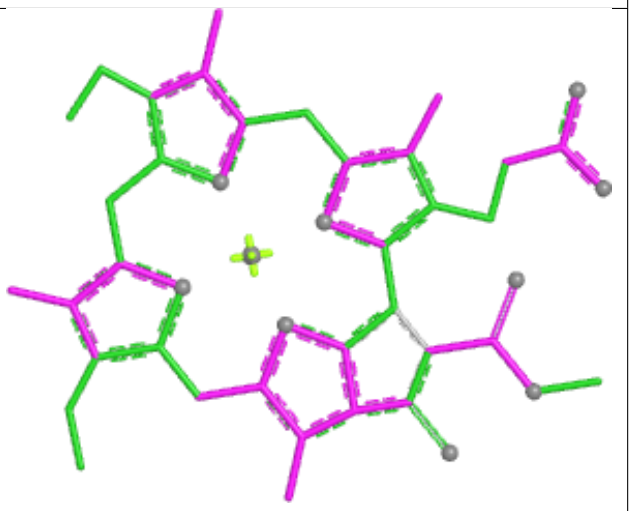
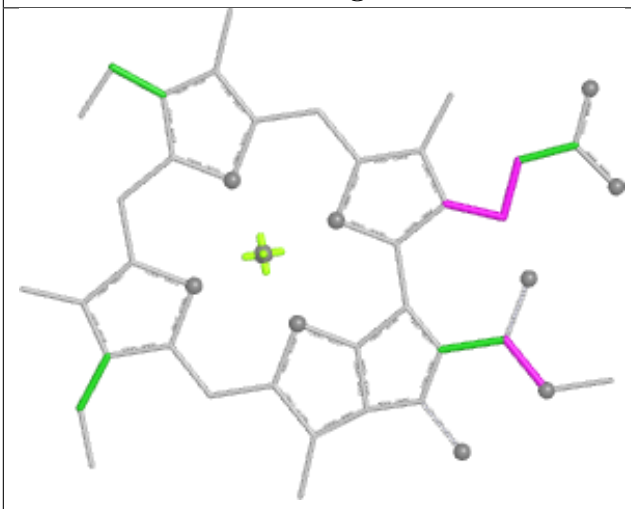


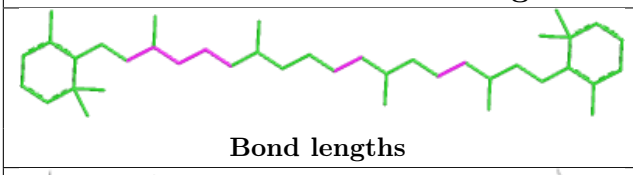
Bond angles



Torsions

Rings

Ligand BCR m 4021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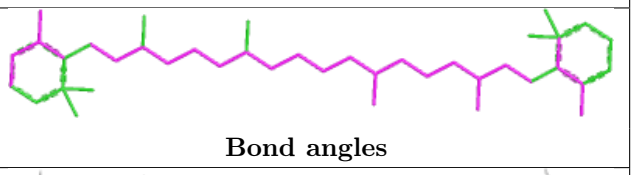
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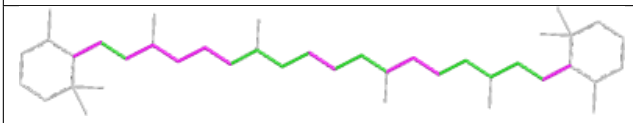
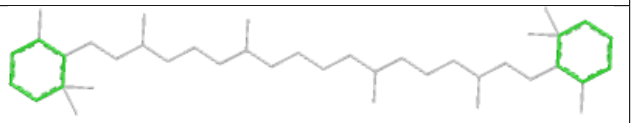
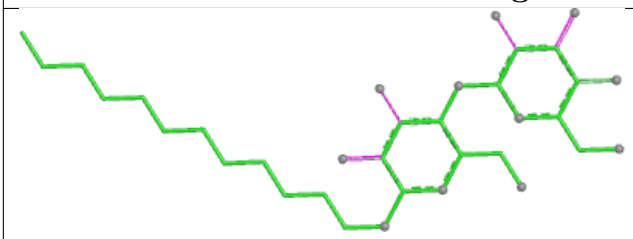

Torsions


Rings

Ligand LMT H 6001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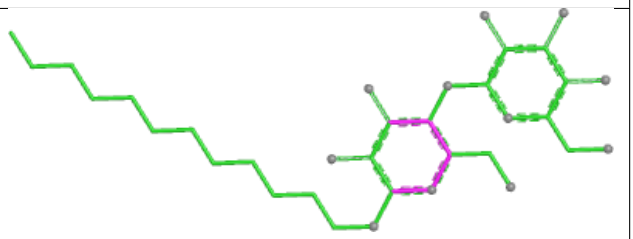
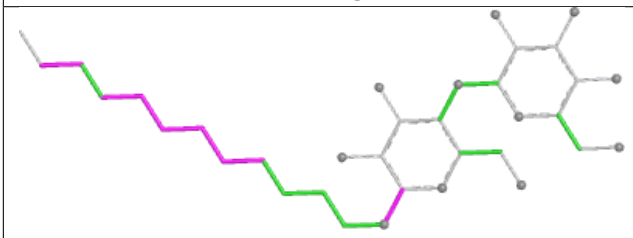
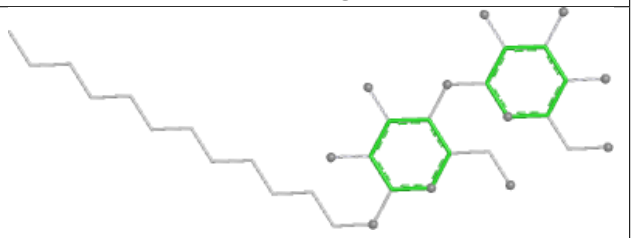
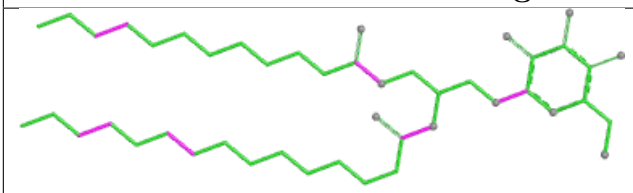

Bond angles


Torsions


Rings

Ligand LMG b 5002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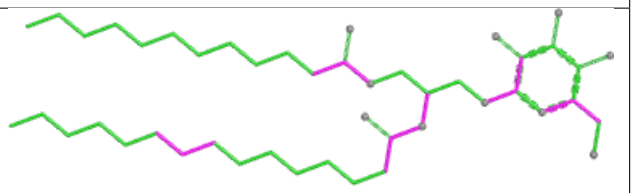
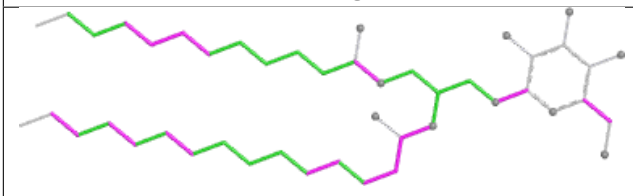

Bond angles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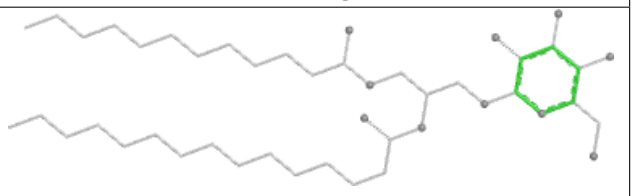
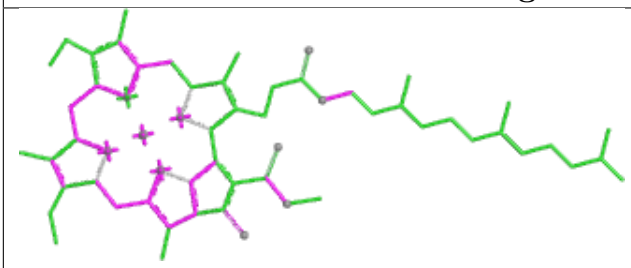
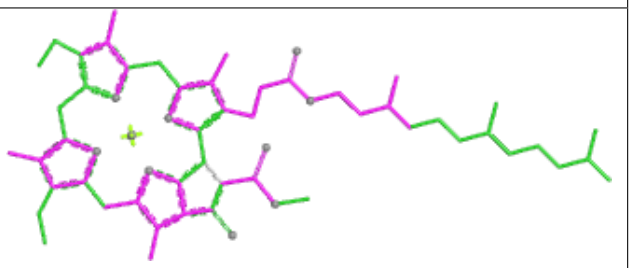
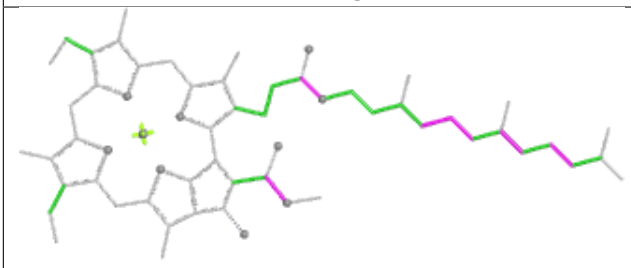
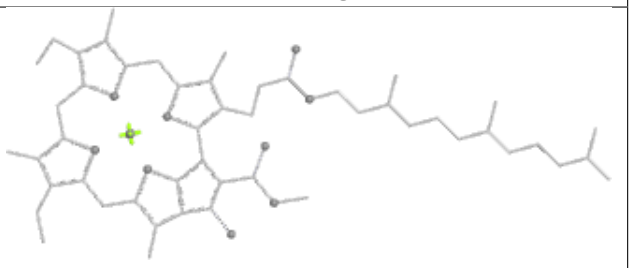
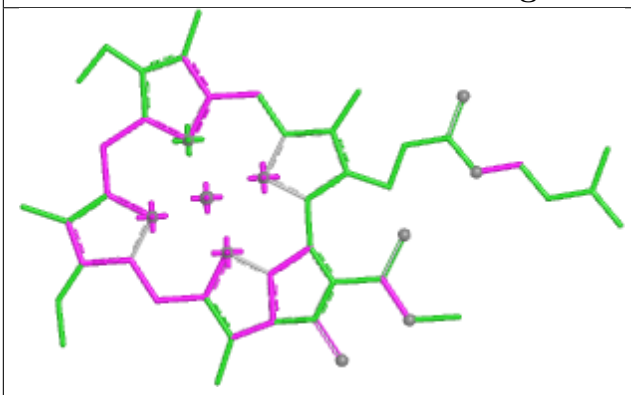
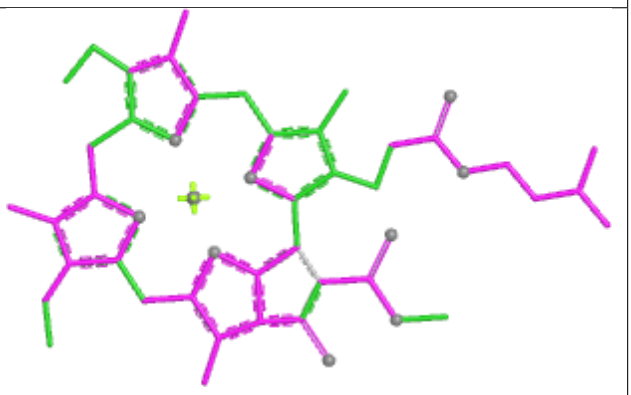
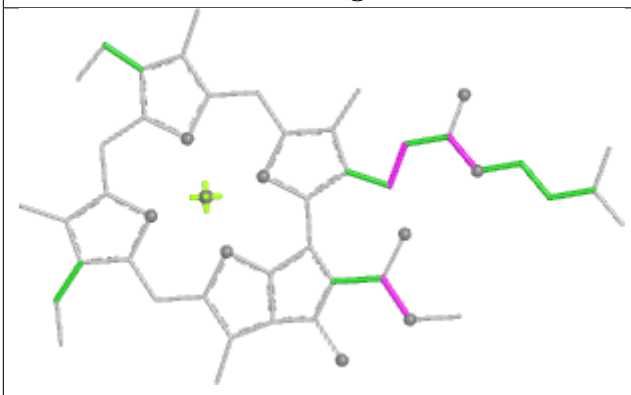
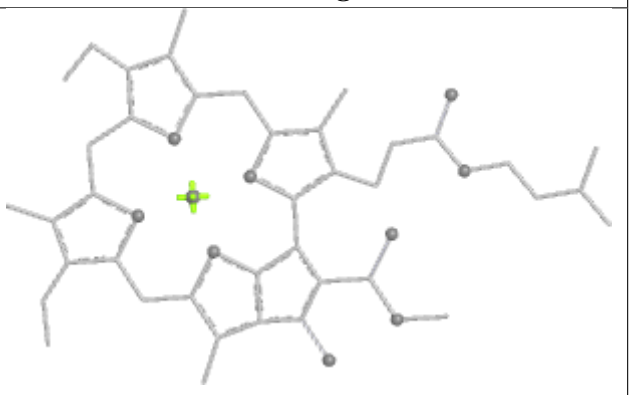
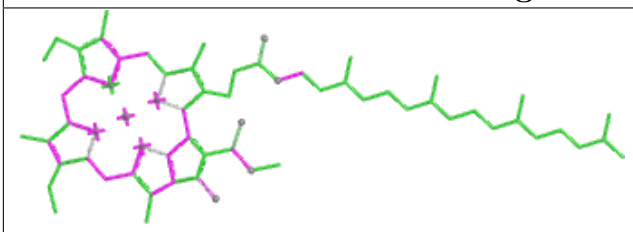

Rings

Ligand CLA b 1208	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA a 1135	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 1221



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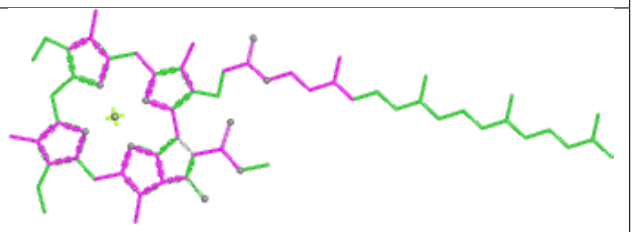
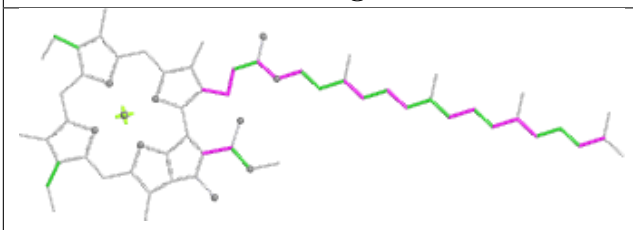
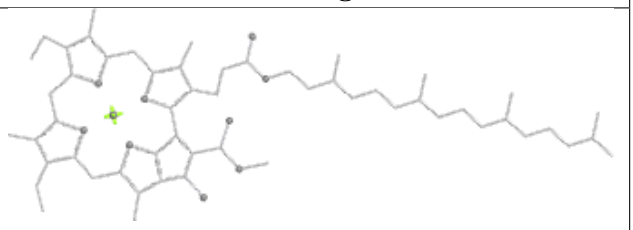


Bond angles

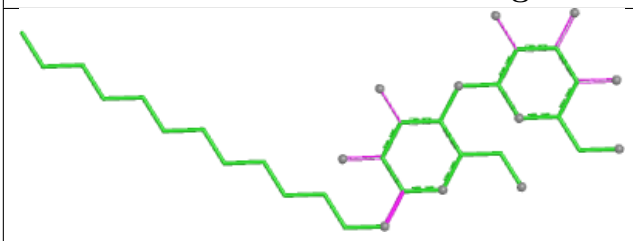


Torsions



Rings

Ligand LMT V 6000



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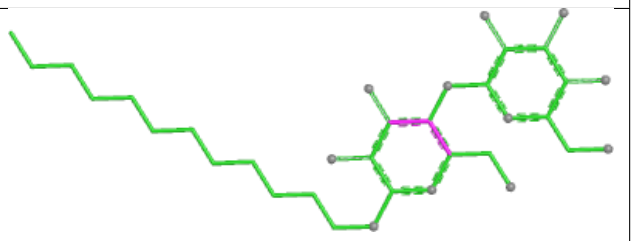

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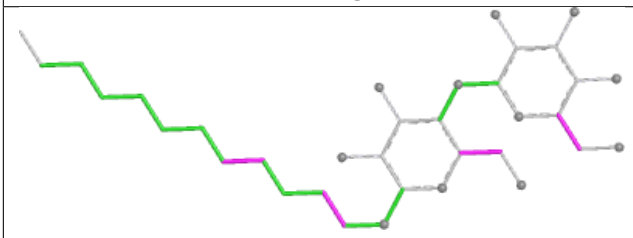

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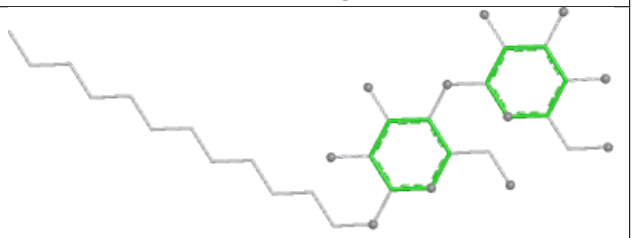
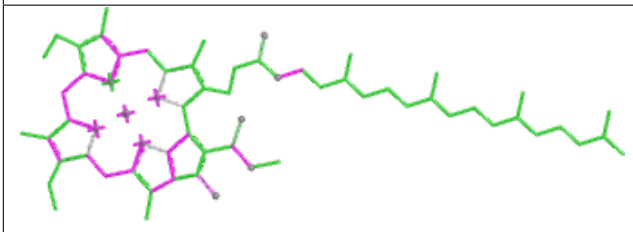


Rings

Ligand CLA A 1127



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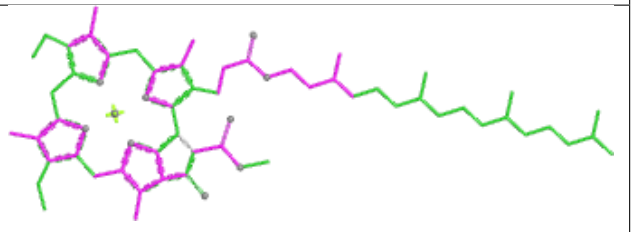
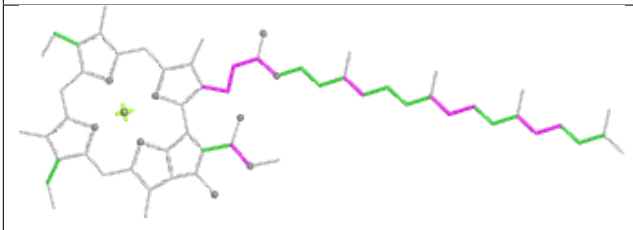


Bond angles



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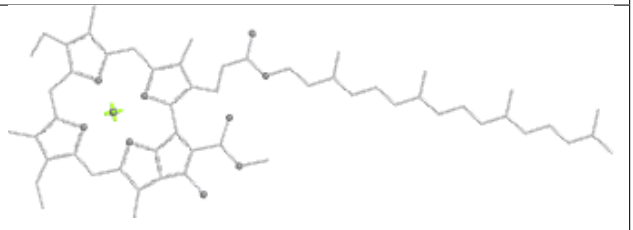
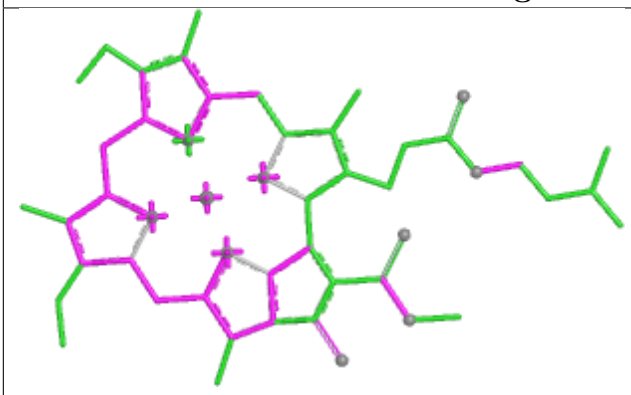


Rings

Ligand CLA G 1102



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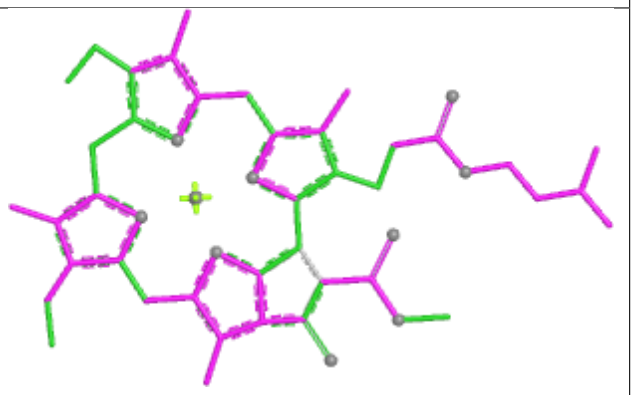
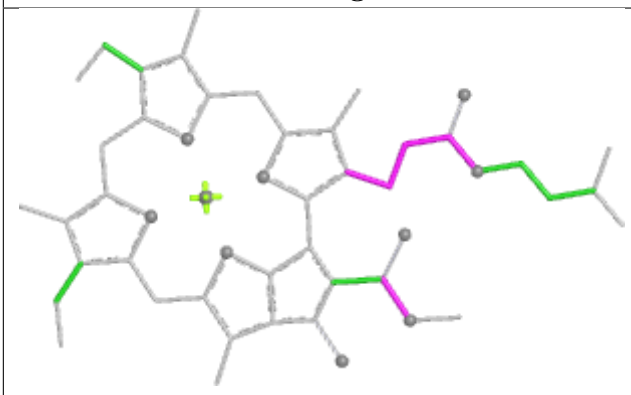


Bond angles



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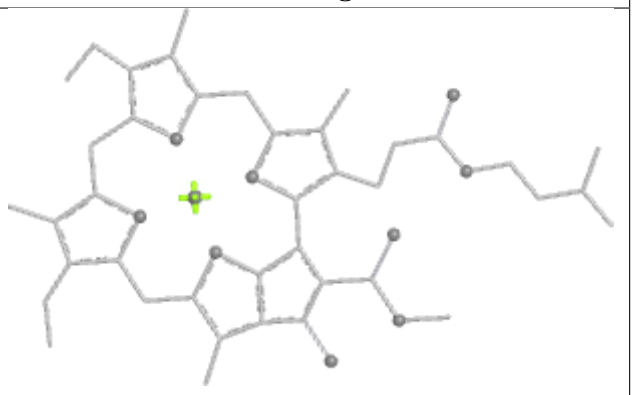
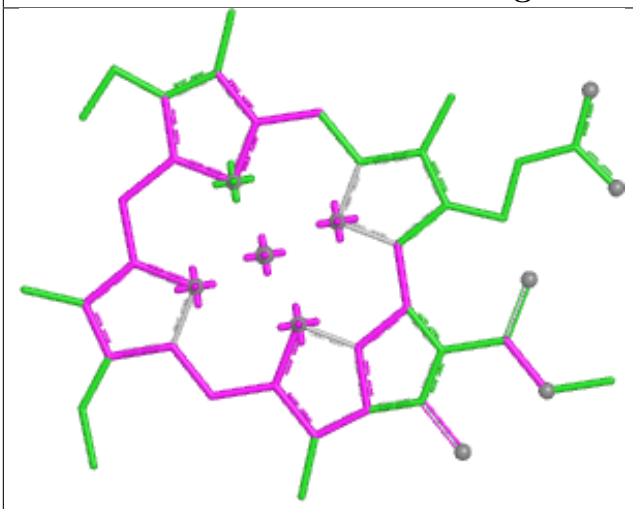


Rings

Ligand CLA G 1139



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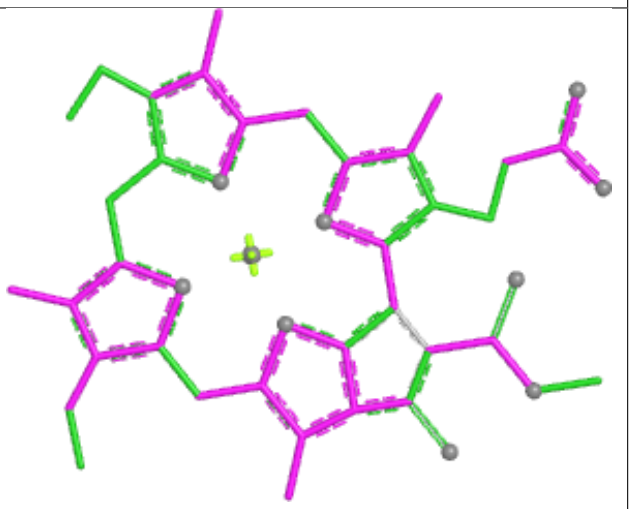
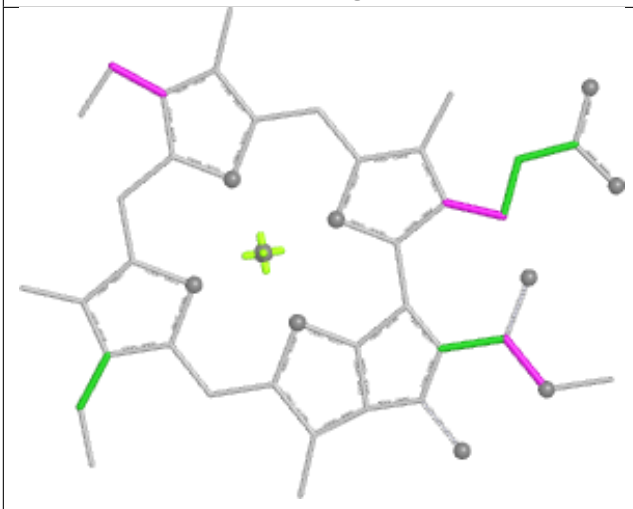


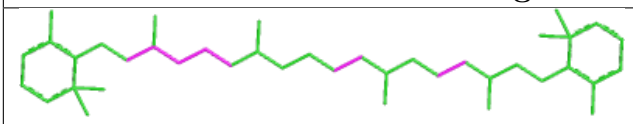
Bond angles



Torsions

Rings

Ligand BCR B 4010



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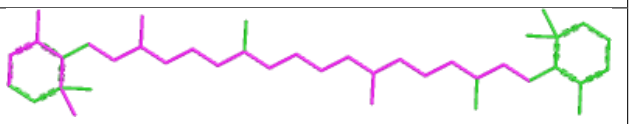

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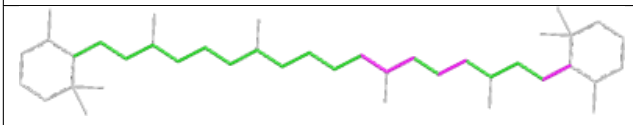

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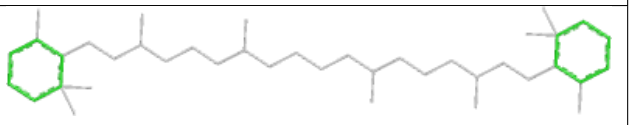
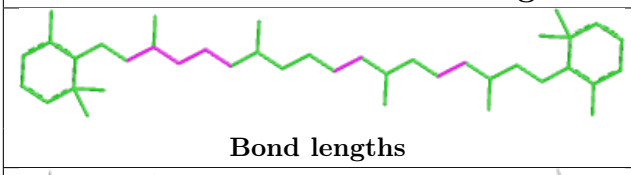


Rings

Ligand BCR a 4006



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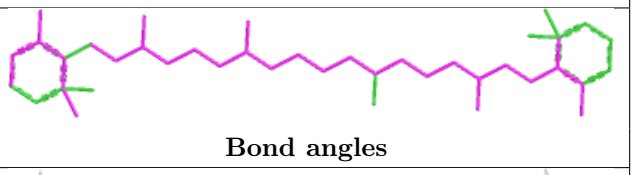

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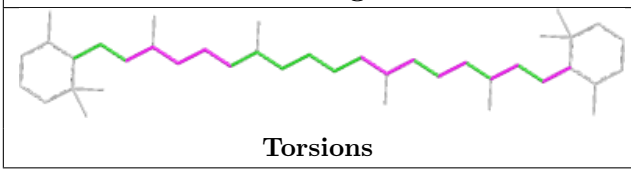

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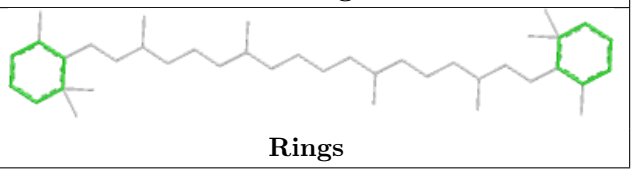
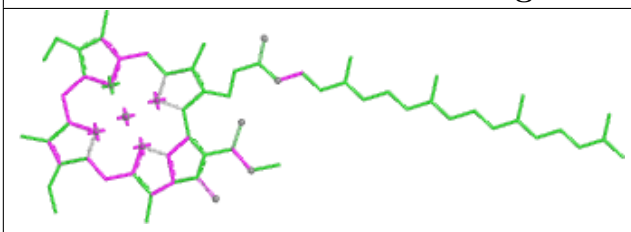


Rings

Ligand CLA B 1203



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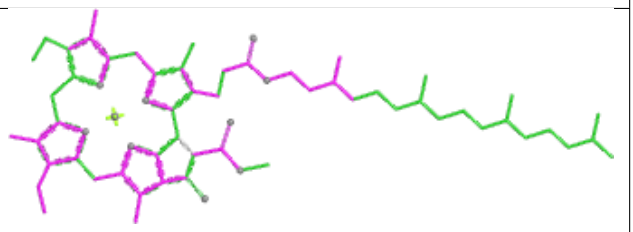
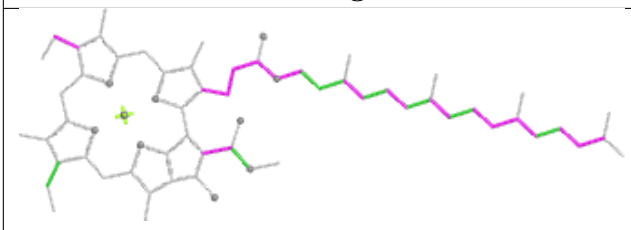


Bond angles



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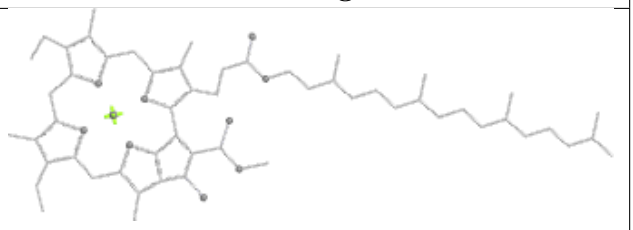
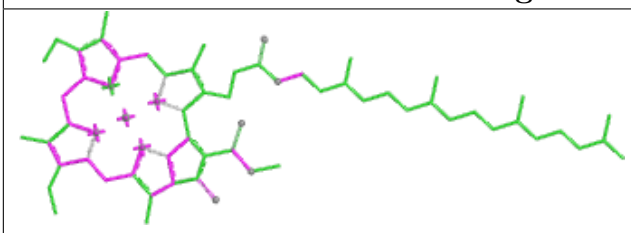


Rings

Ligand CLA B 1210



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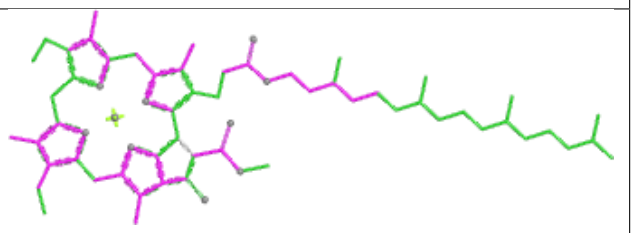
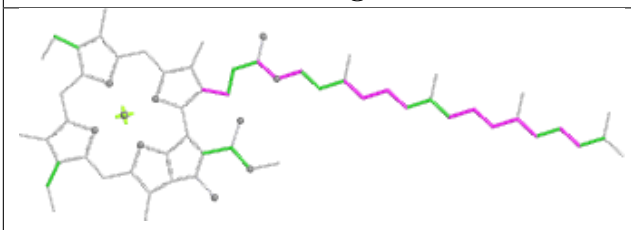


Bond angles



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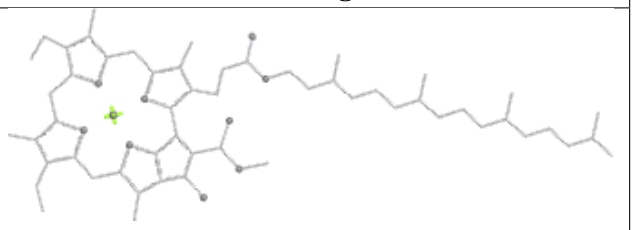
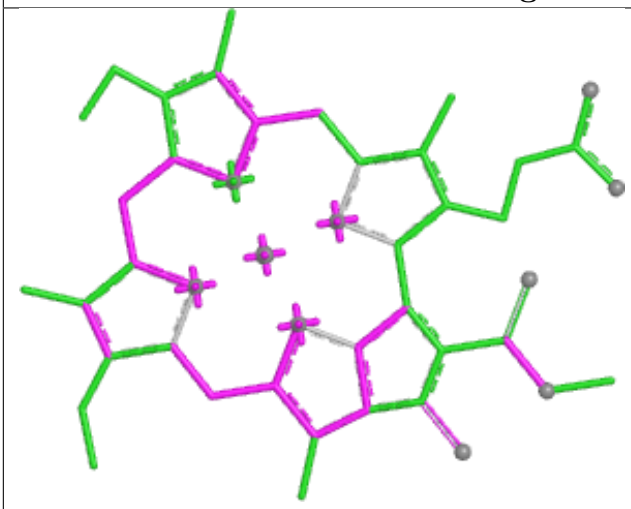


Rings

Ligand CLA a 1110



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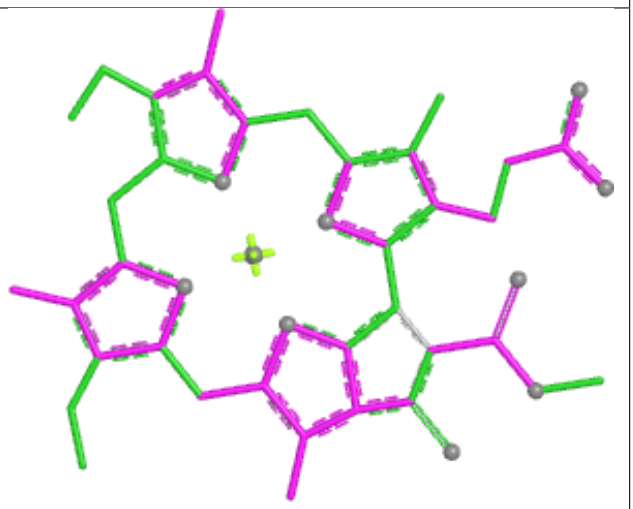
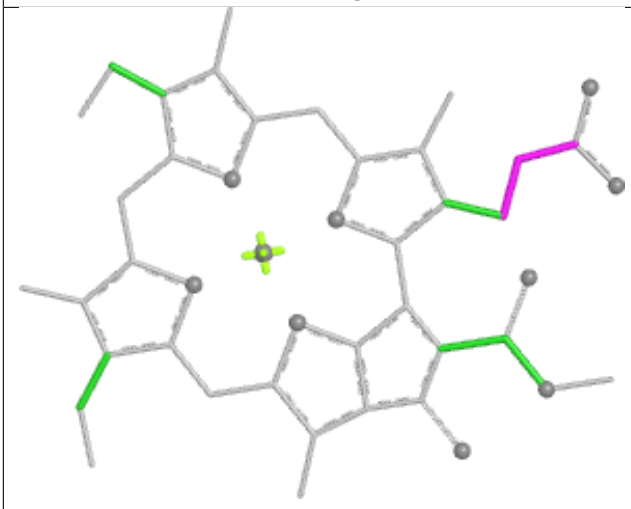


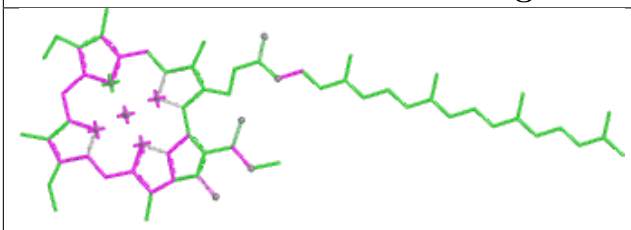
Bond angles



Torsions

Rings

Ligand CLA B 1240



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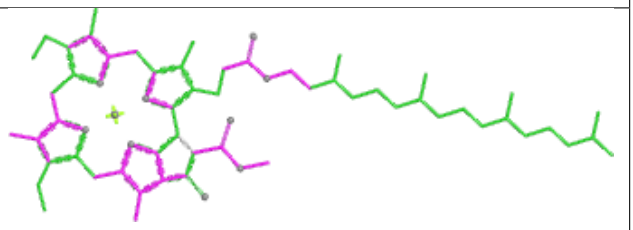
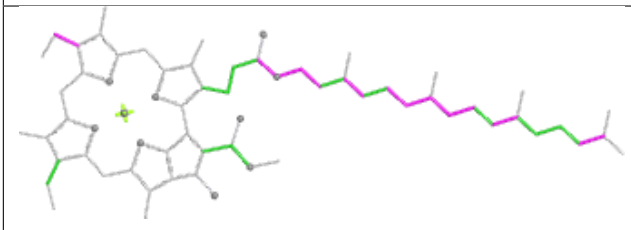
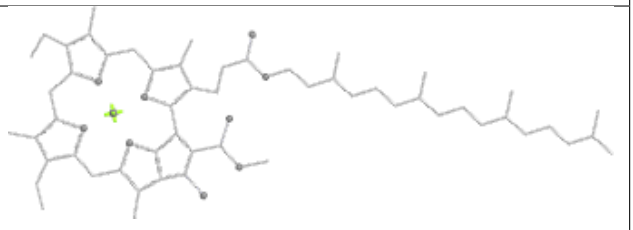


Bond angles

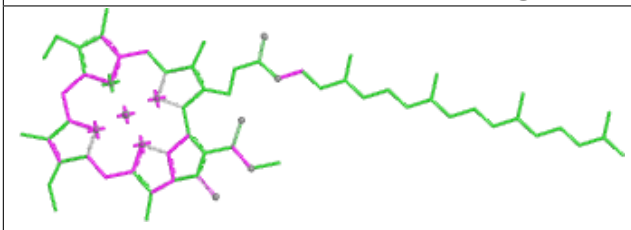


Torsions



Rings

Ligand CLA A 1115



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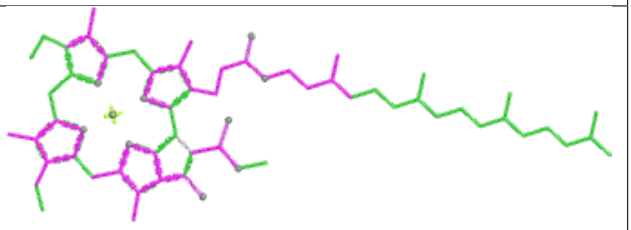
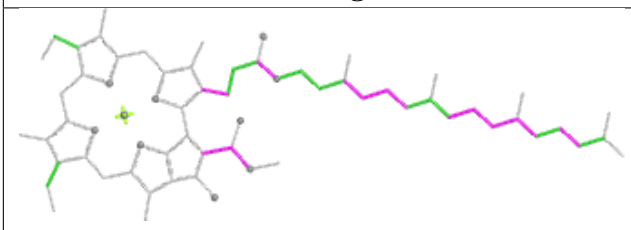


Bond angles



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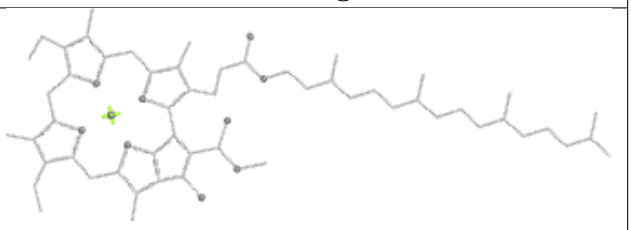
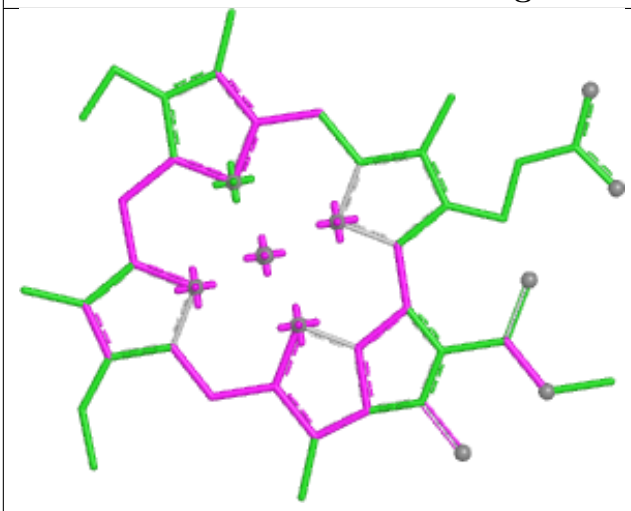
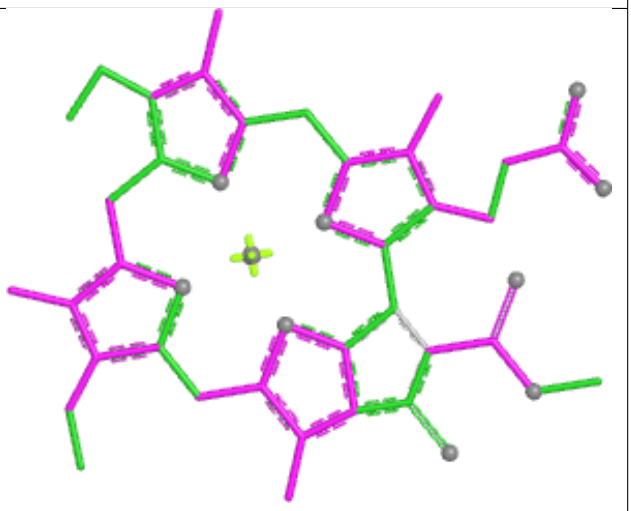


Rings

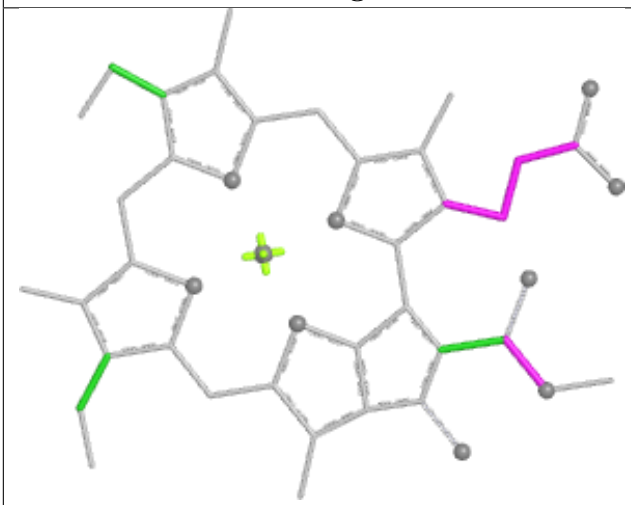
Ligand CLA H 1212



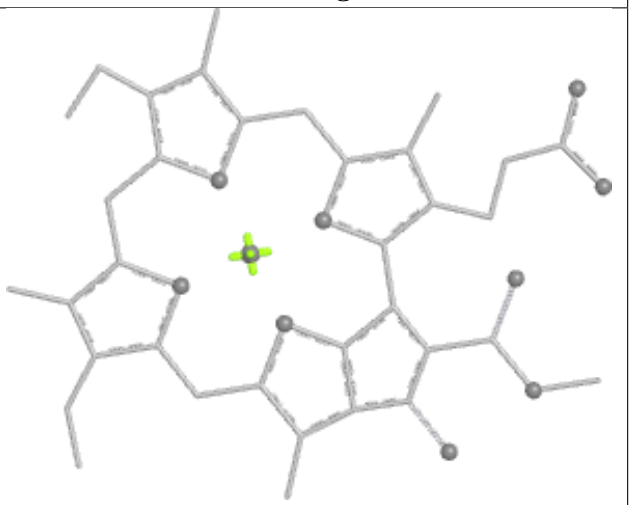
Bond lengths



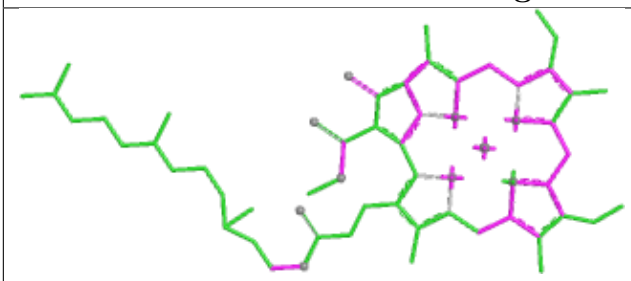
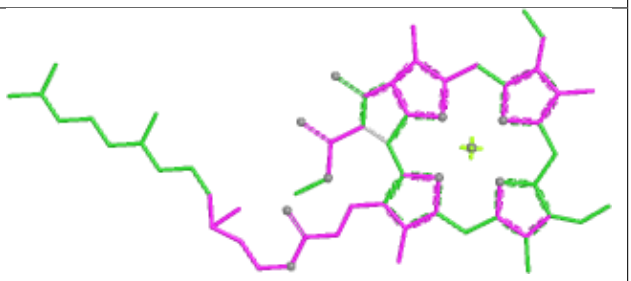
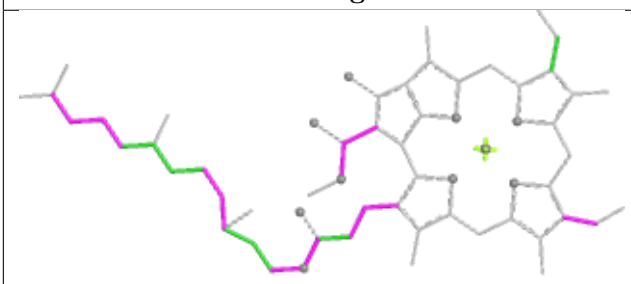
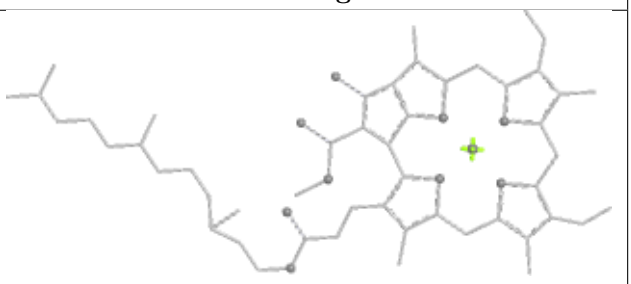
Bond angles

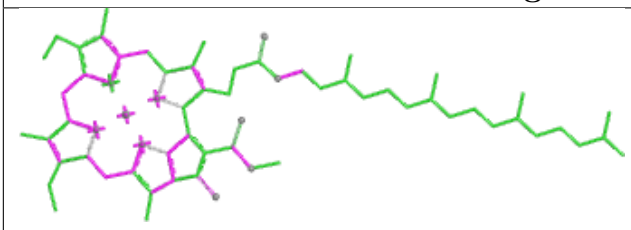
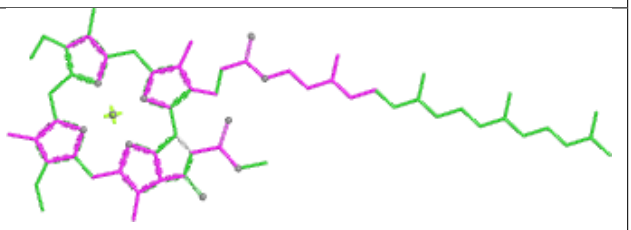
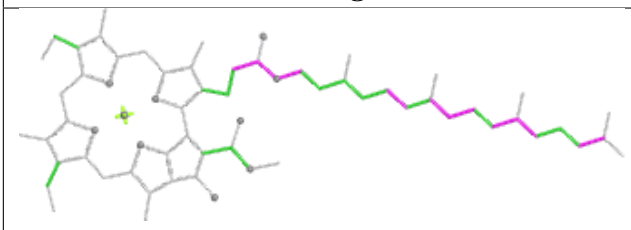
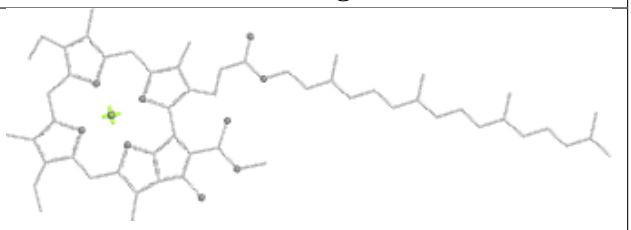


Torsions

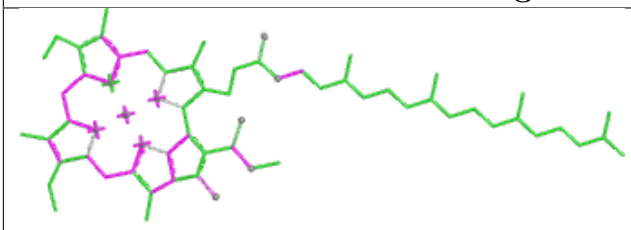


Rings

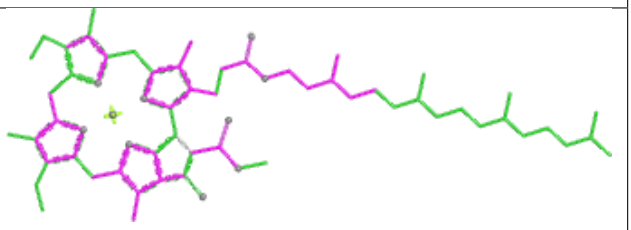
Ligand CLA G 1111	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CL0 a 1011	
 Bond lengths	 Bond angles
 Torsions	 Rings

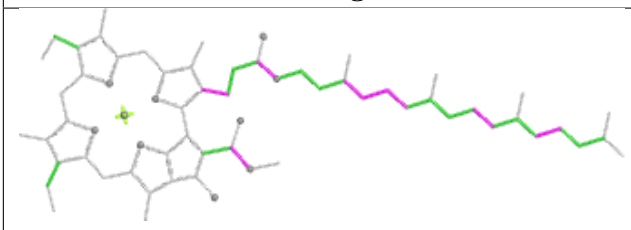
Ligand CLA U 1503



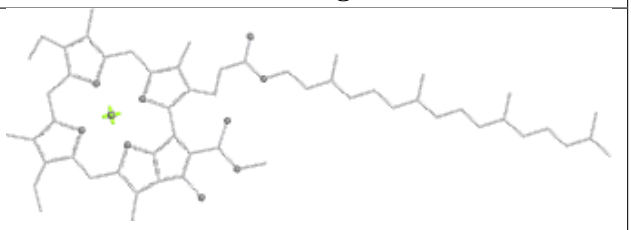
Bond lengths



Bond angles

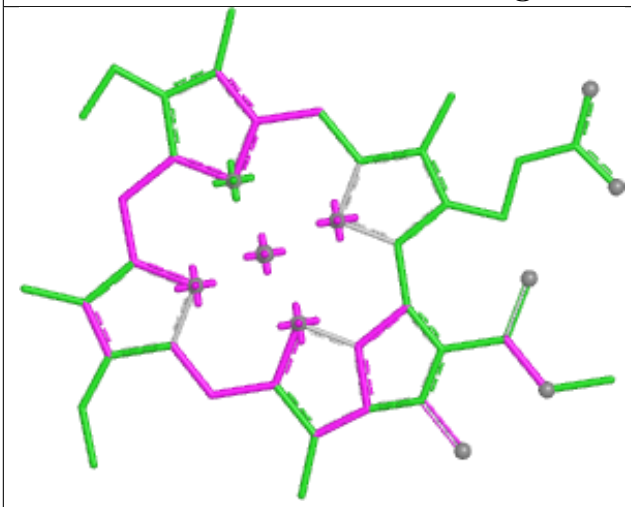


Torsions

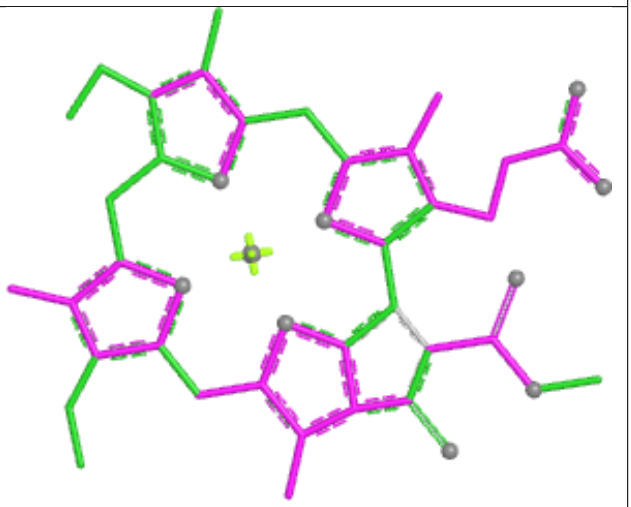


Rings

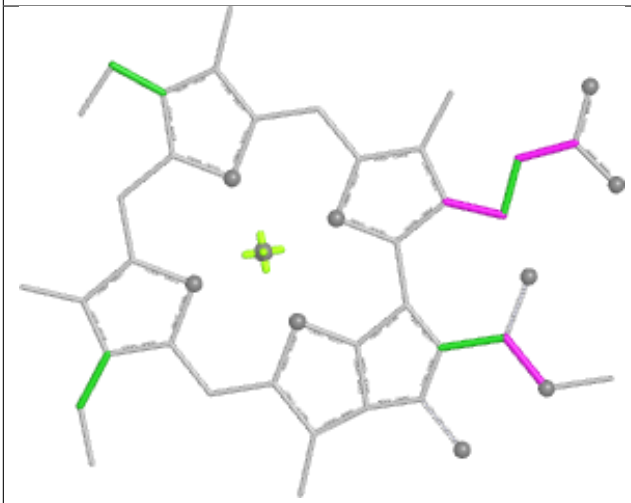
Ligand CLA G 1107



Bond lengths



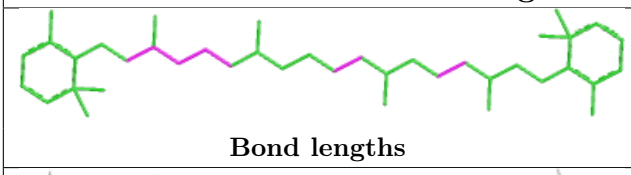
Bond angles

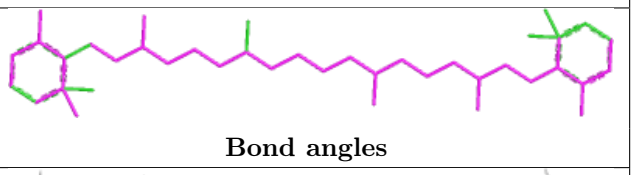


Torsions

Rings

Ligand BCR a 4002


Bond lengths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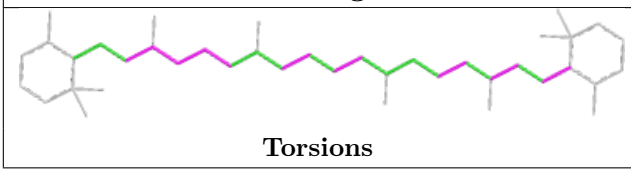
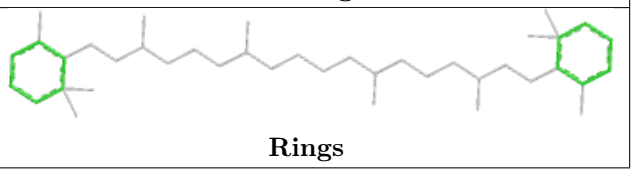
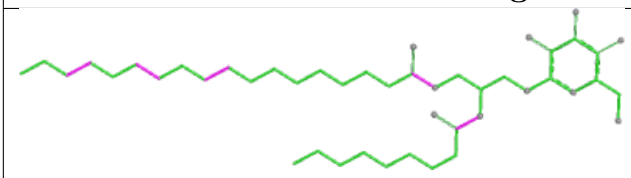
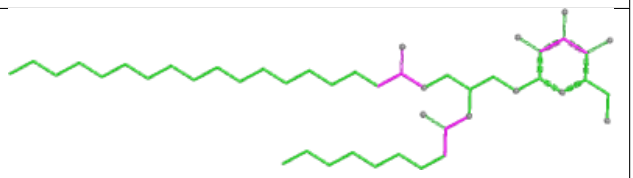
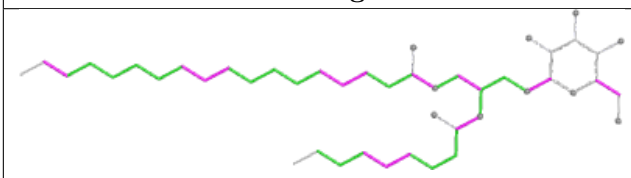

Torsions

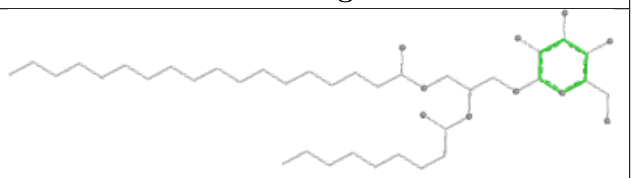

Rings

Ligand LMG A 5003

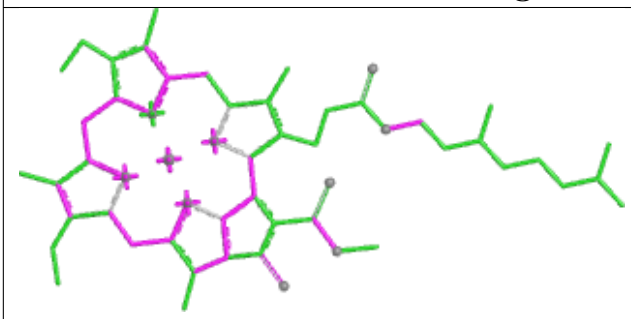

Bond lengths


Bond angles


Torsions


Rings

Ligand CLA G 1118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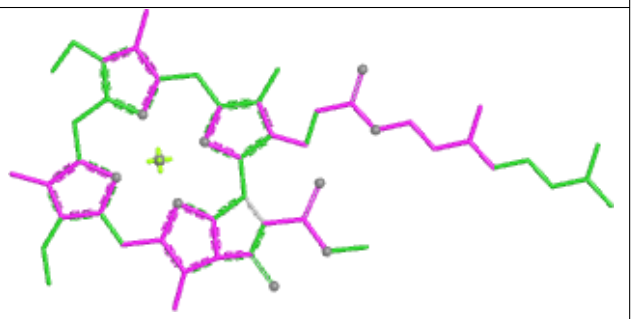
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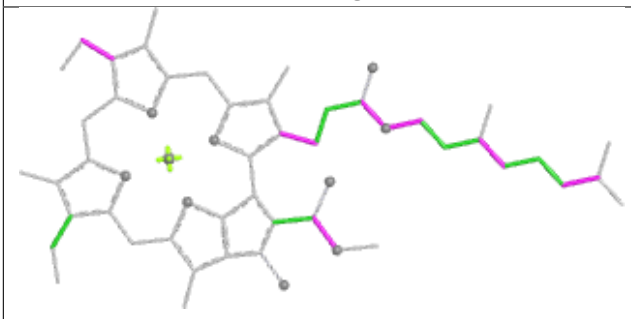
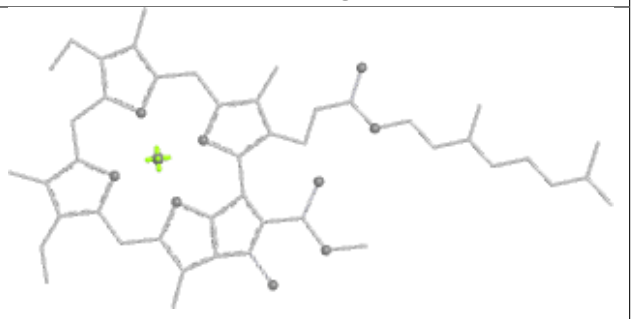
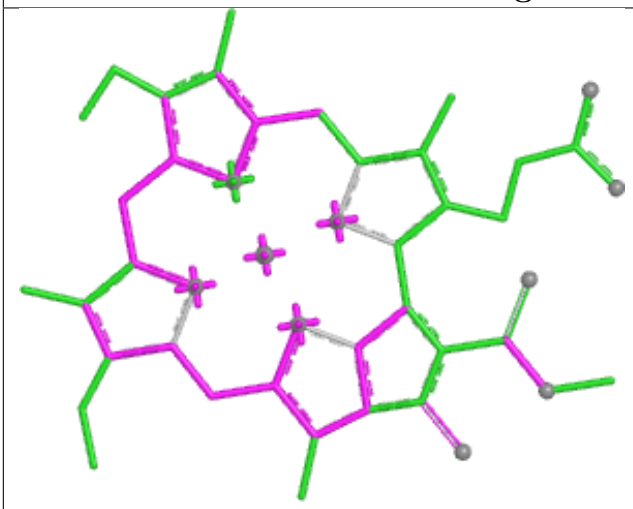

Torsions


Rings

Ligand CLA A 1114



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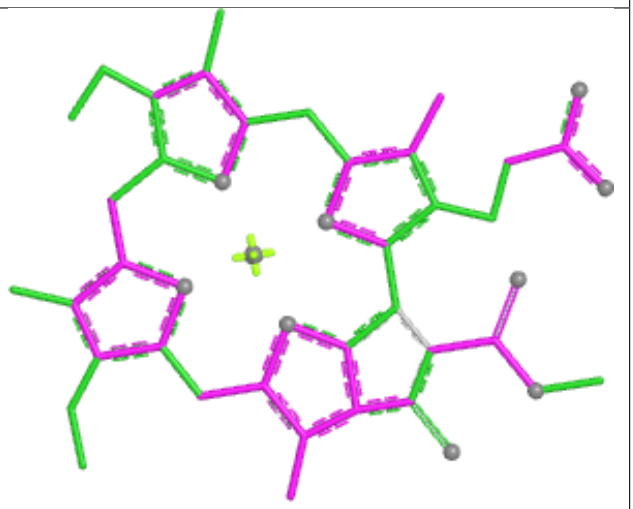
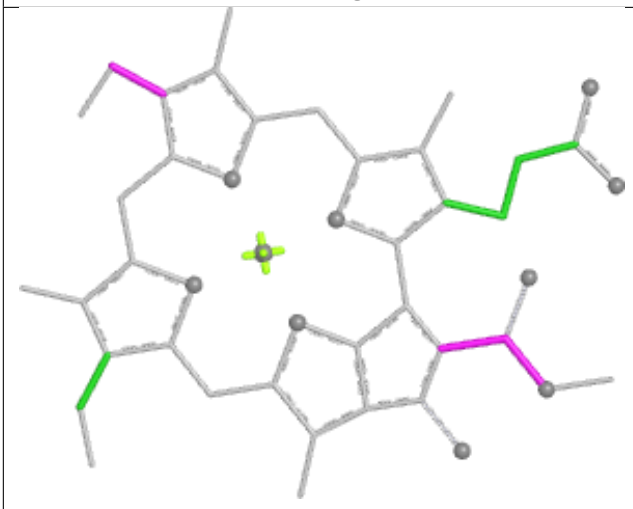


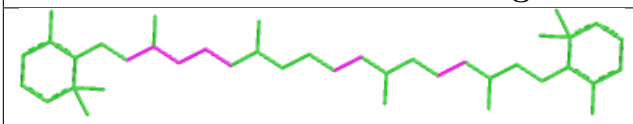
Bond angles



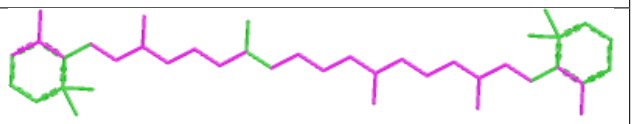
Torsions

Rings

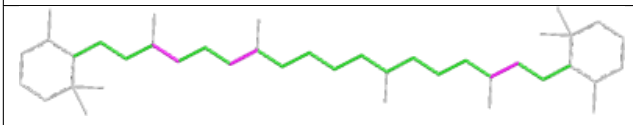
Ligand BCR H 4005



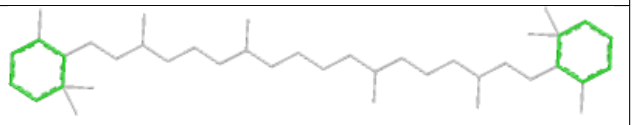
Bond lengths



Bond angles

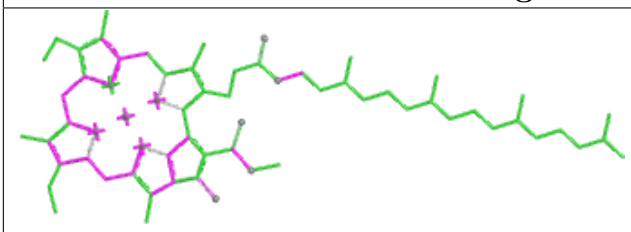


Torsions



Rings

Ligand CLA B 1023



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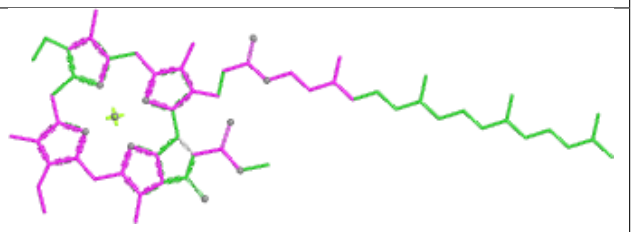
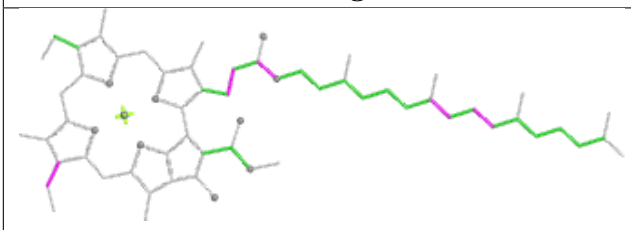


Bond angles



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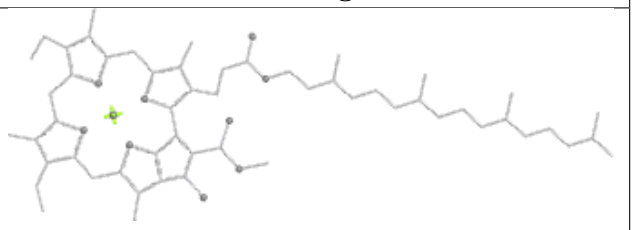
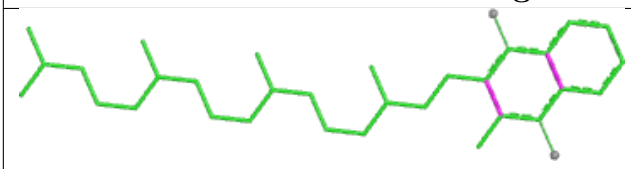


Rings

Ligand PQN B 2002



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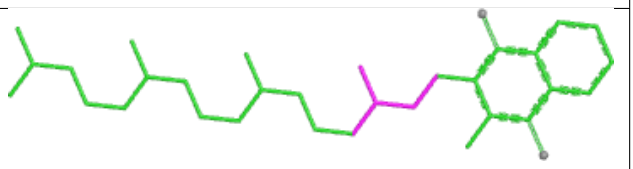
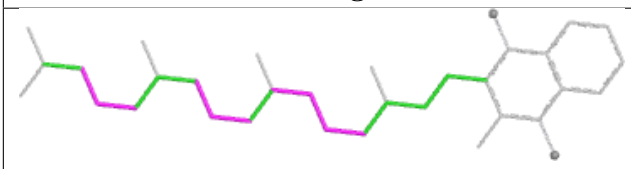
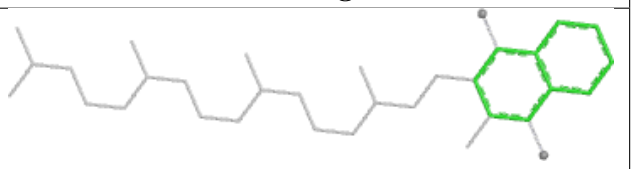


Bond angles

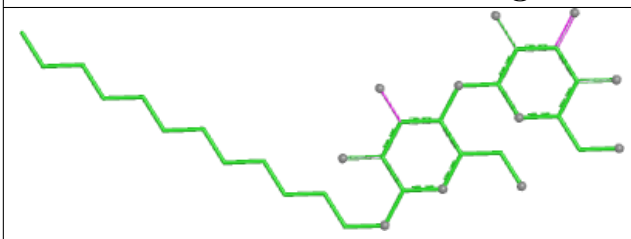


Torsions



Rings

Ligand LMT H 6003



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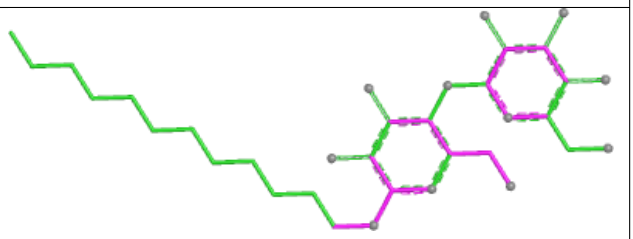
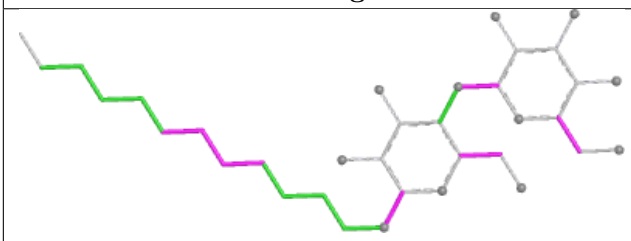
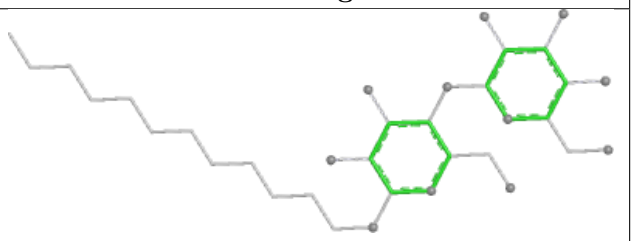


Bond angles

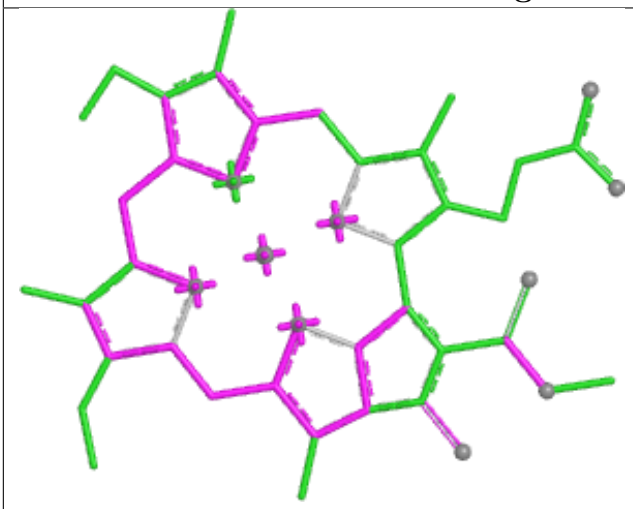


Torsions



Rings

Ligand CLA A 1101



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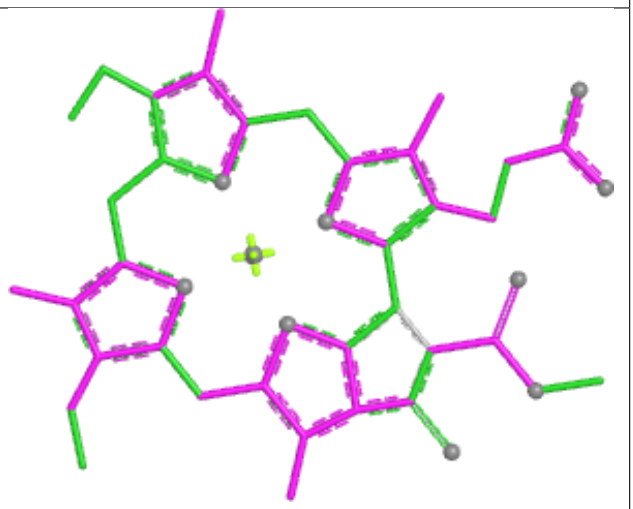
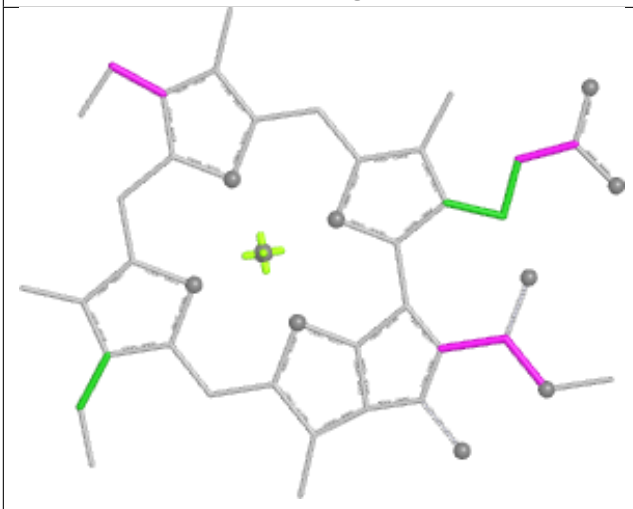


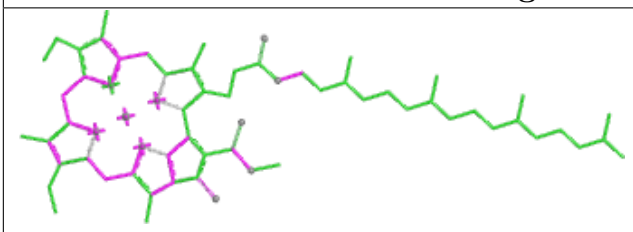
Bond angles



Torsions

Rings

Ligand CLA b 1205



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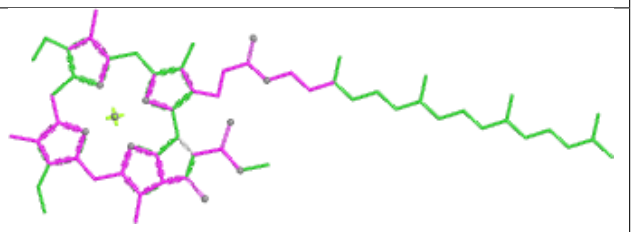
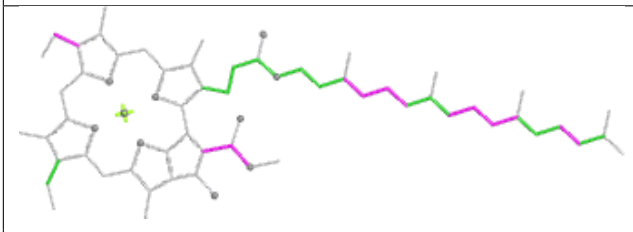
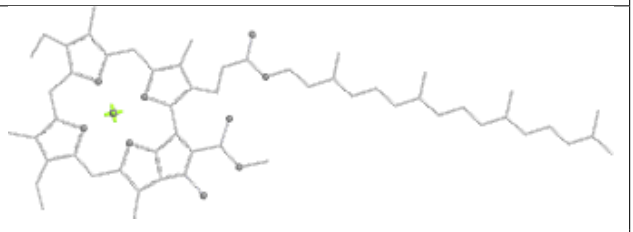


Bond angles

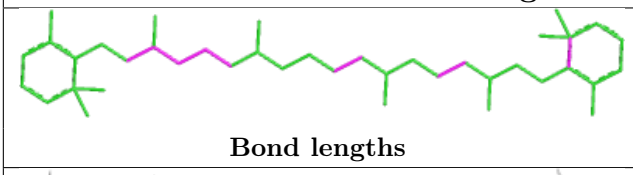


Torsions

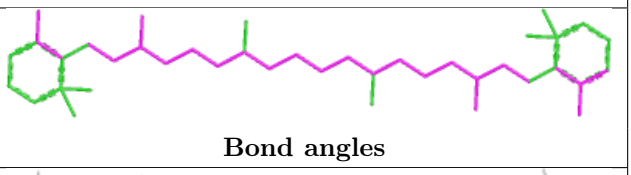


Rings

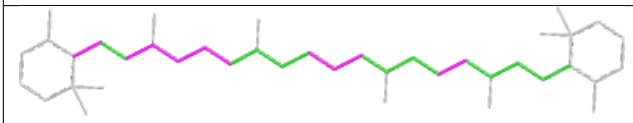
Ligand BCR I 4018



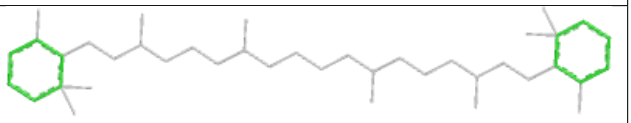
Bond lengths



Bond angles

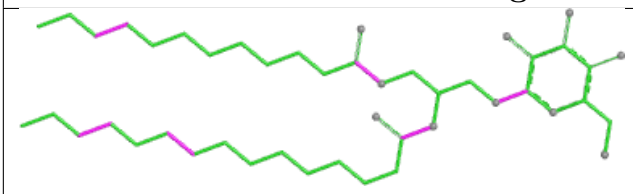


Torsions

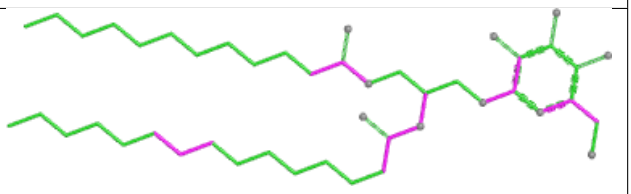


Rings

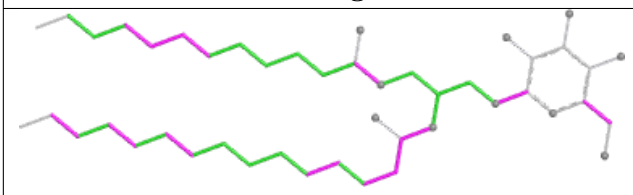
Ligand LMG H 5002



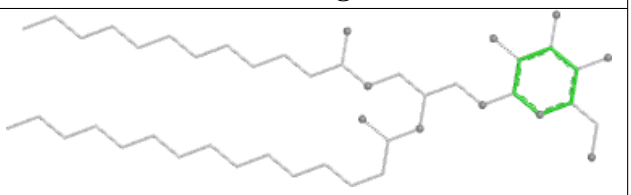
Bond lengths



Bond angles

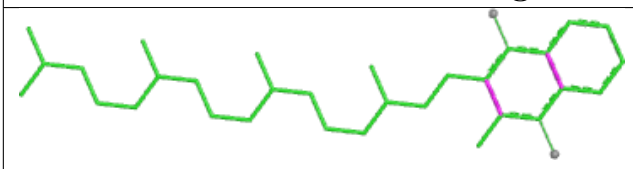


Torsions



Rings

Ligand PQN H 2002



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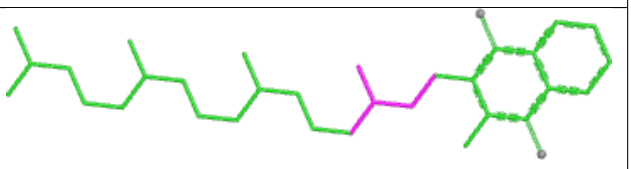
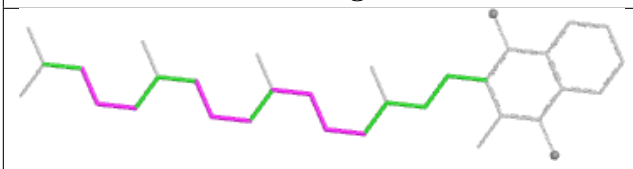
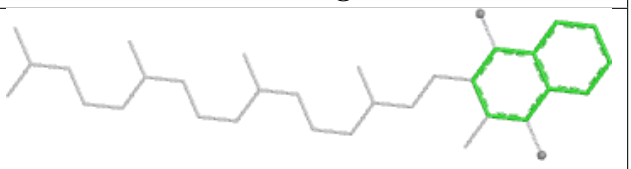


Bond angles

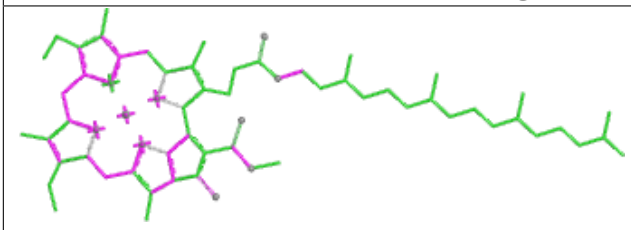


Torsions



Rings

Ligand CLA H 1223



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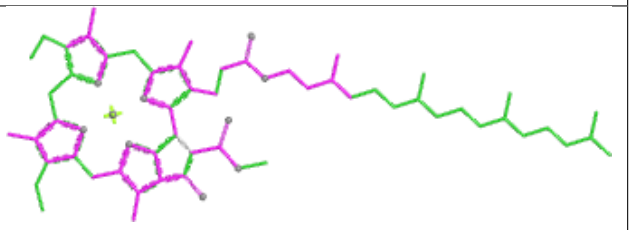
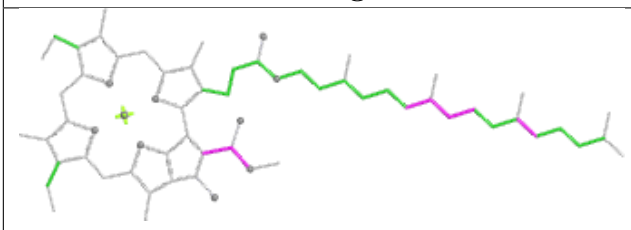
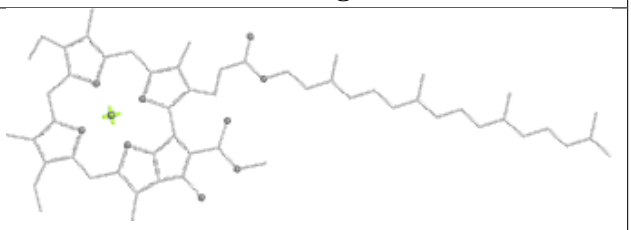


Bond angles

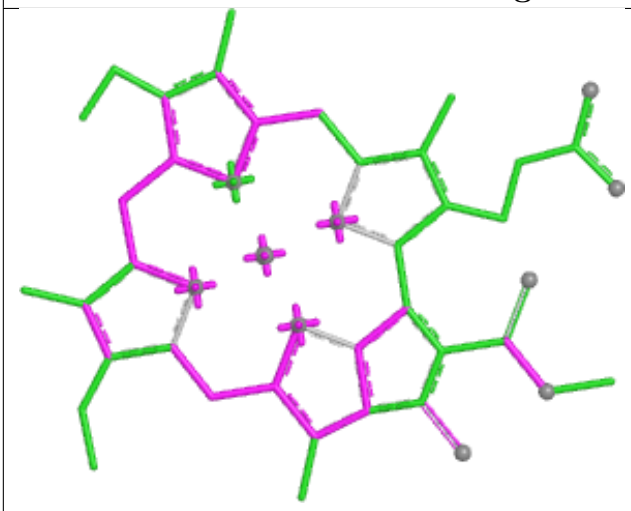


Torsions



Rings

Ligand CLA G 1113



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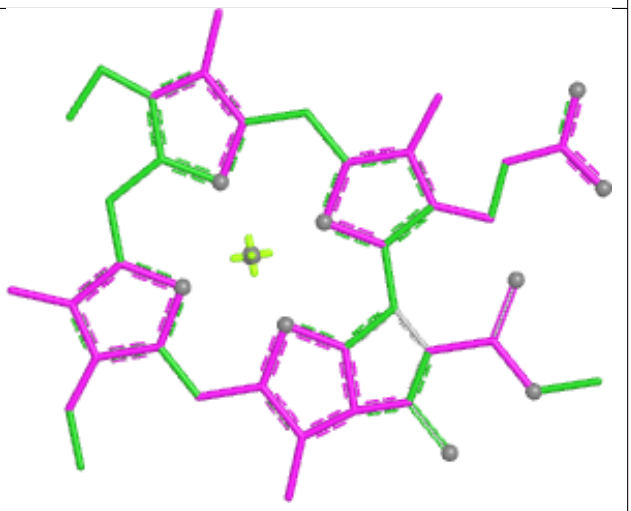
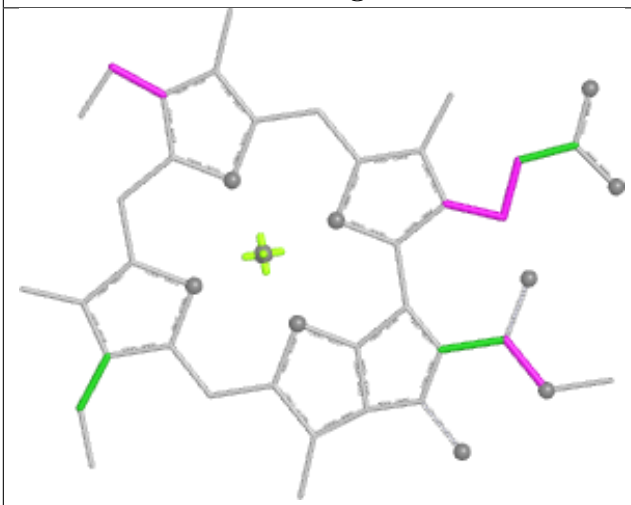


Bond angles



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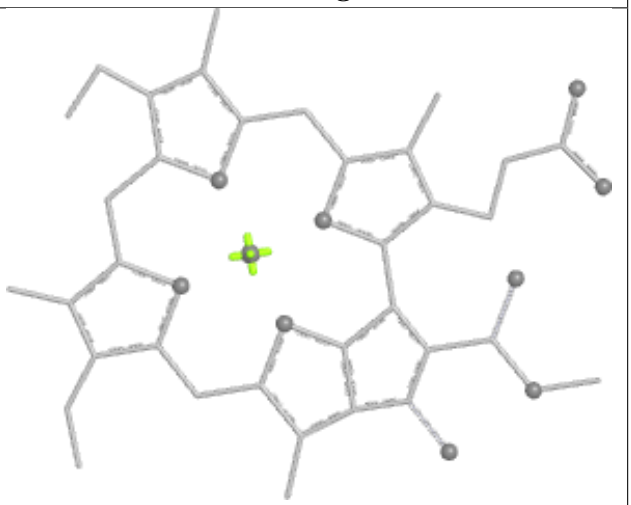
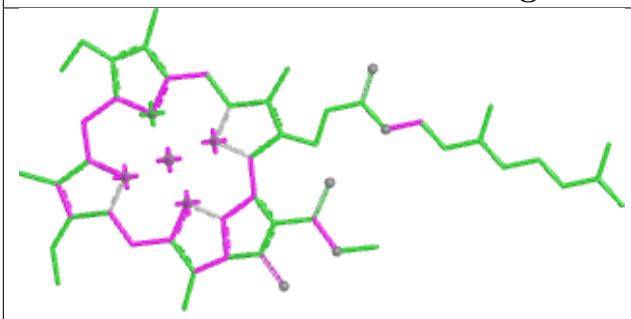


Rings

Ligand CLA a 1130



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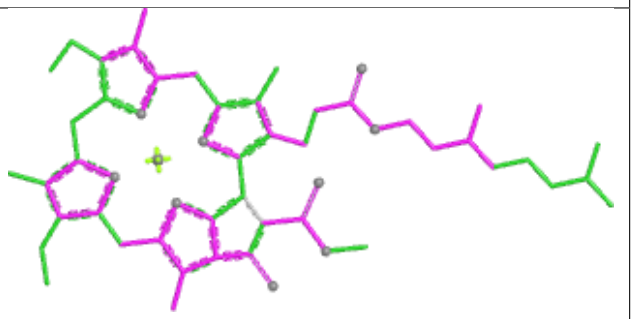
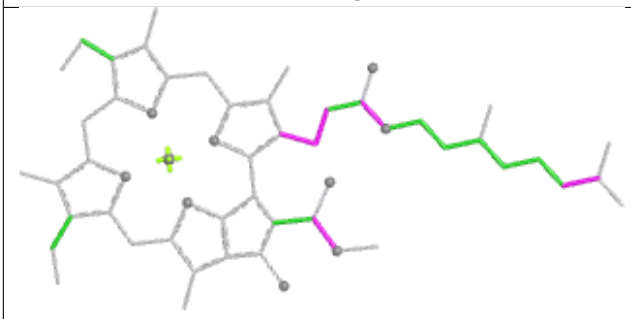


Bond angles



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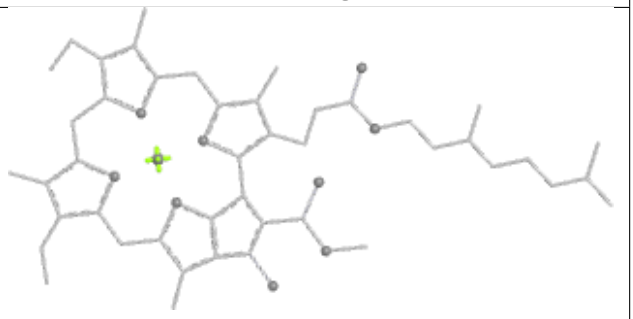
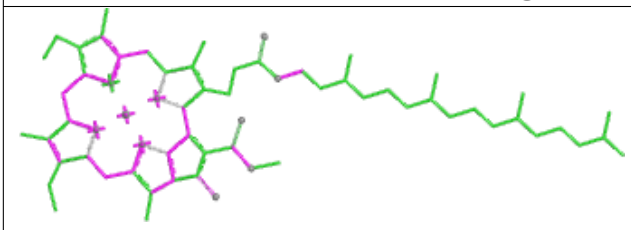


Rings

Ligand CLA b 1222



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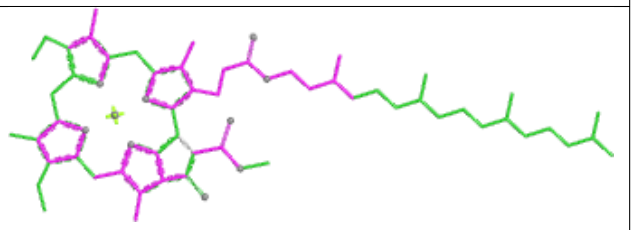
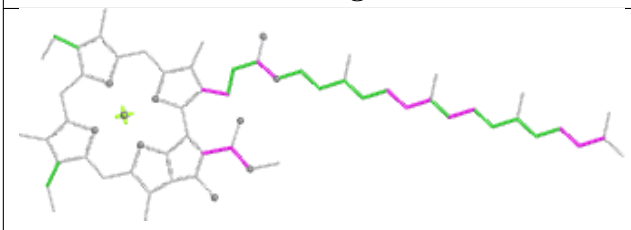


Bond angles



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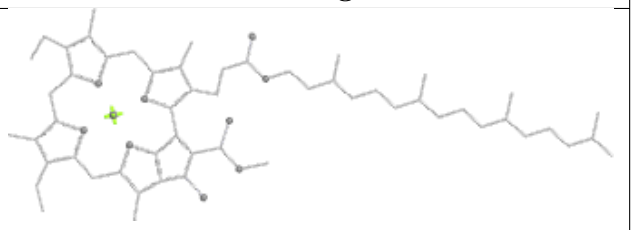
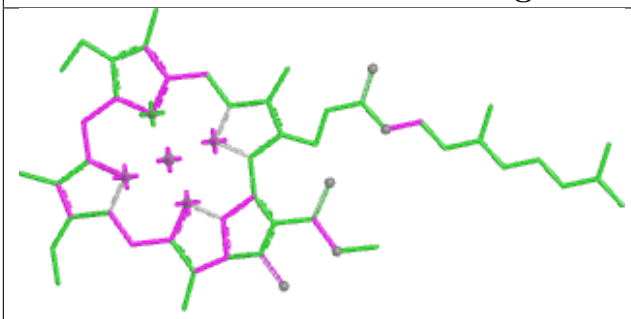
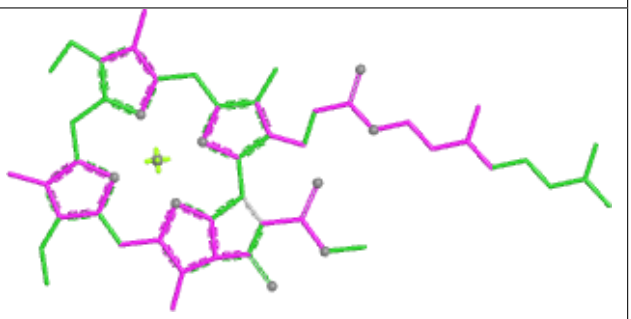
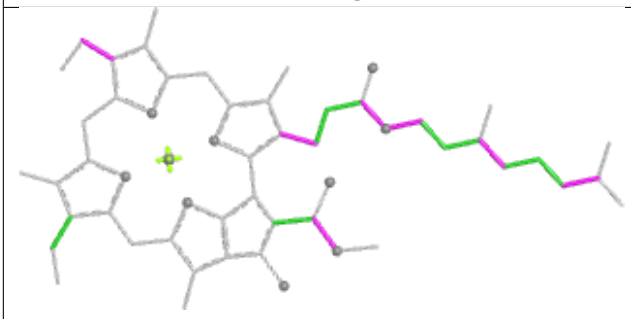
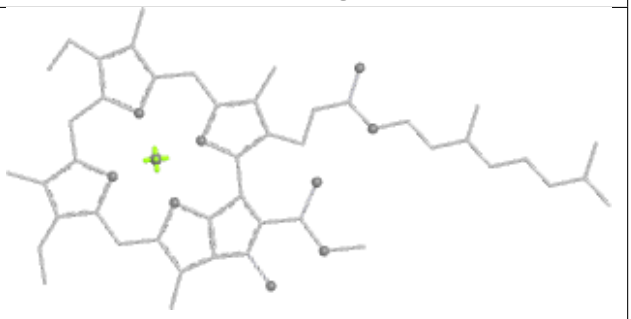
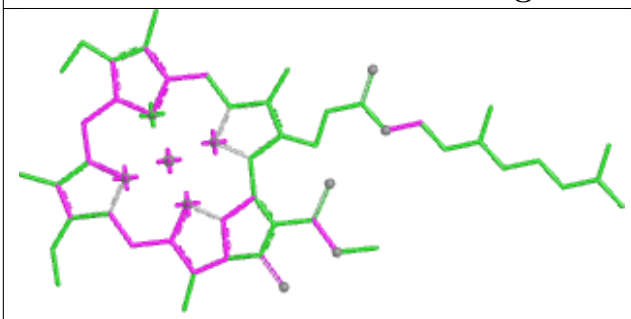
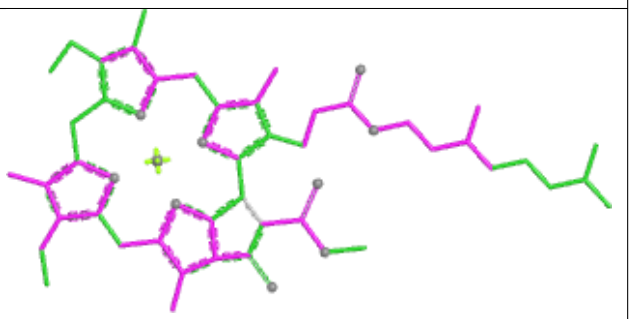
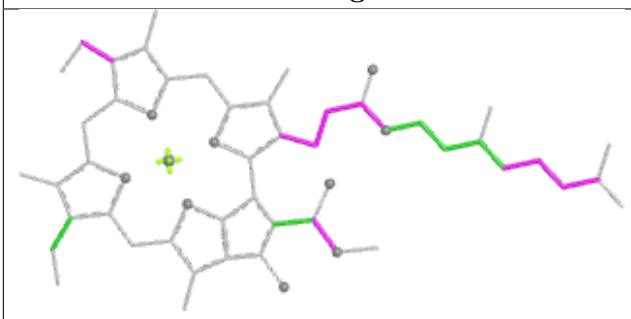
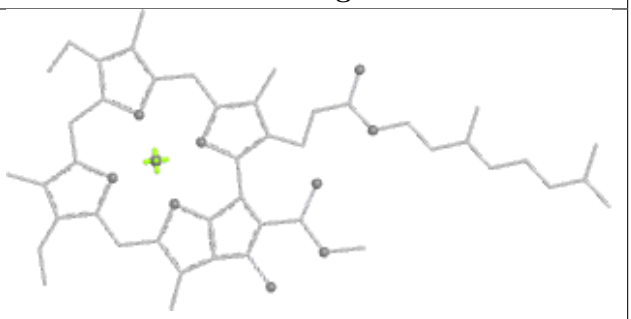
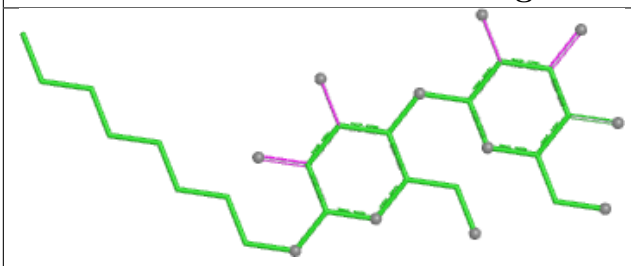


Rings

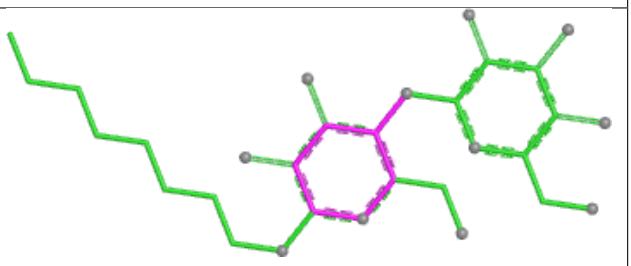
Ligand CLA A 1118	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1116	
	
Bond lengths	Bond angles
	
Torsions	Rings

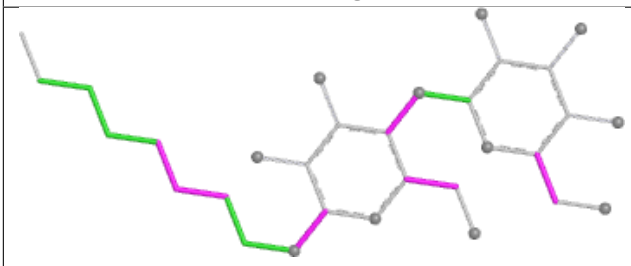
Ligand LMT b 6004



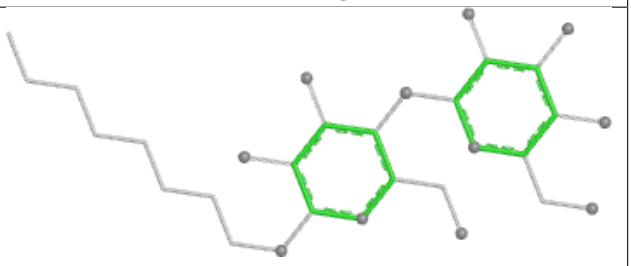
Bond lengths



Bond angles

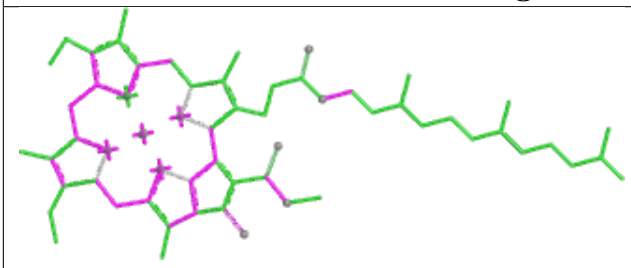


Torsions



Rings

Ligand CLA A 1013



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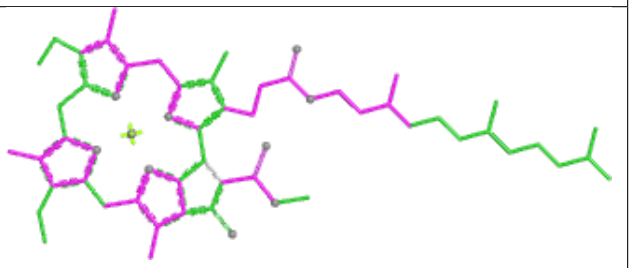
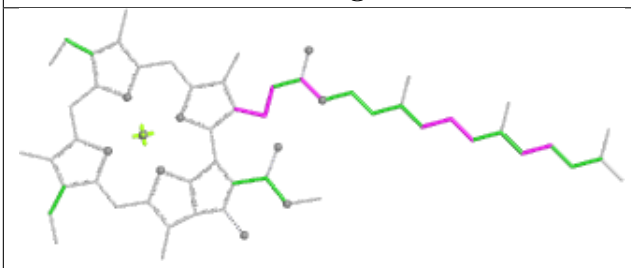
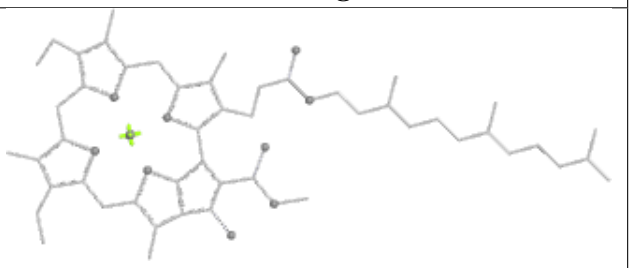


Bond angles

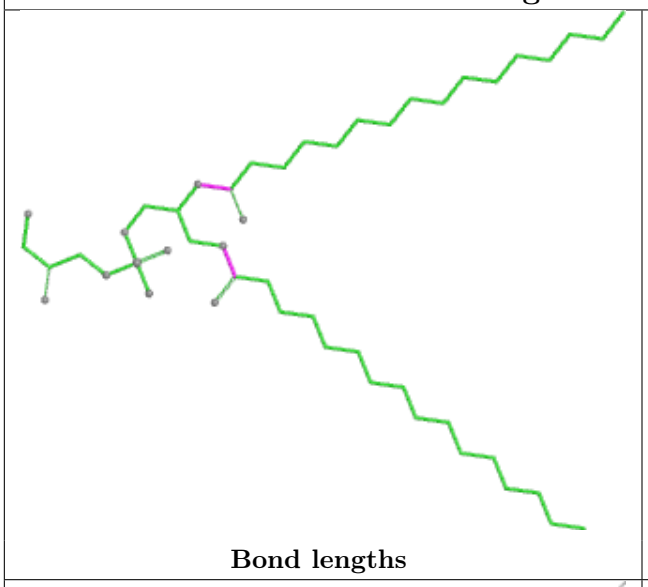


Torsions

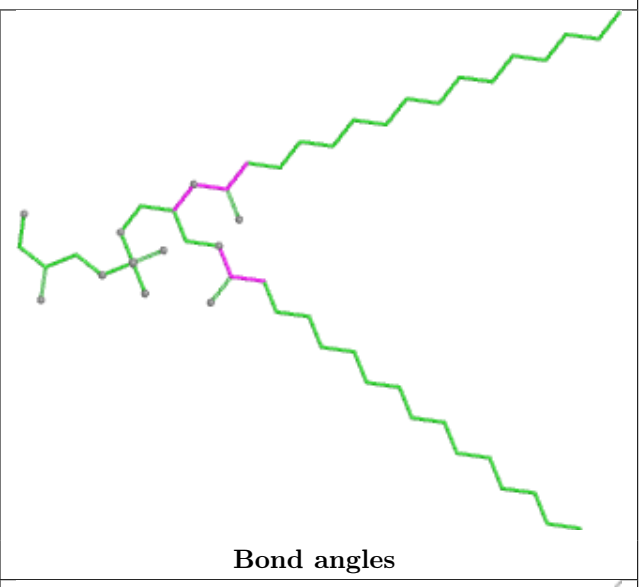


Rings

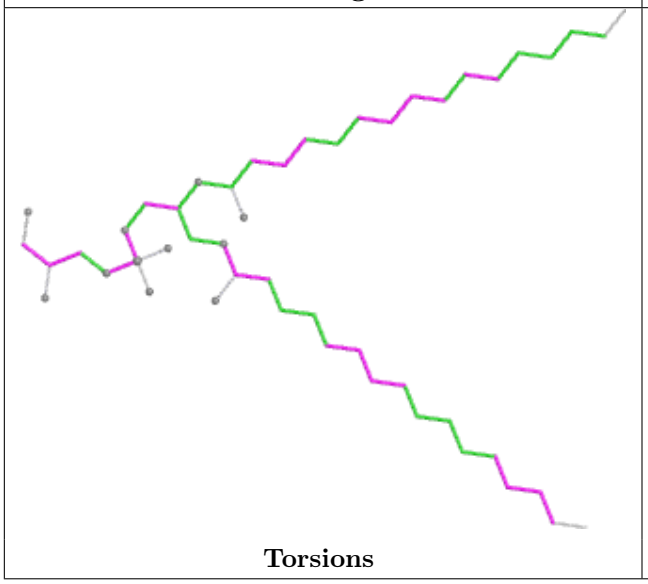
Ligand LHG l 5102



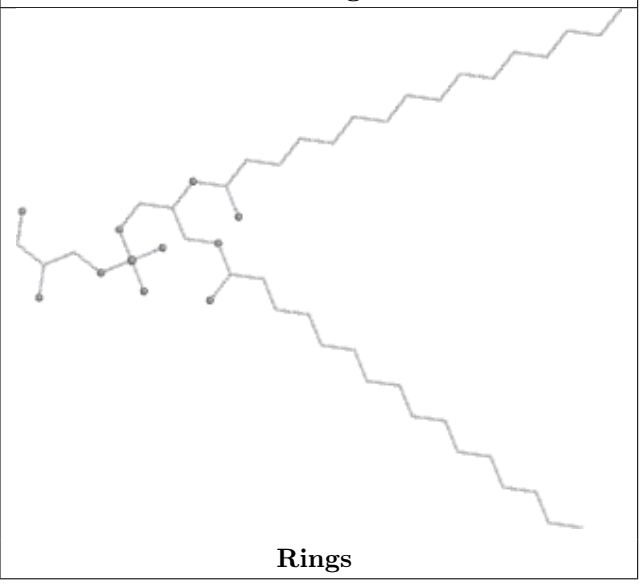
Bond lengths



Bond angles

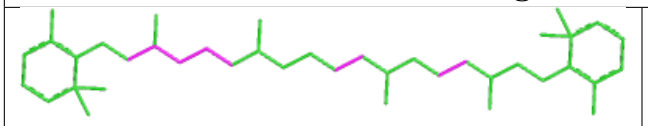


Torsions



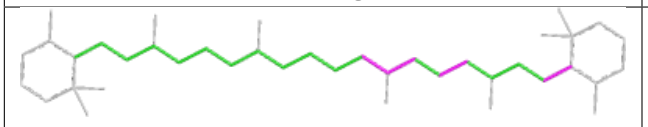
Rings

Ligand BCR H 4010

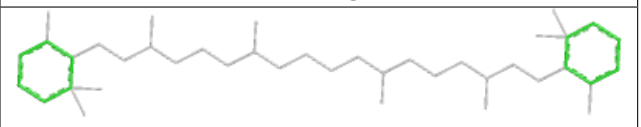


Bond lengths

Bond angles

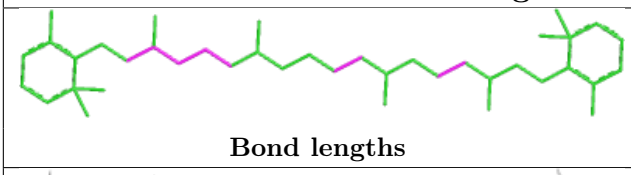


Torsions

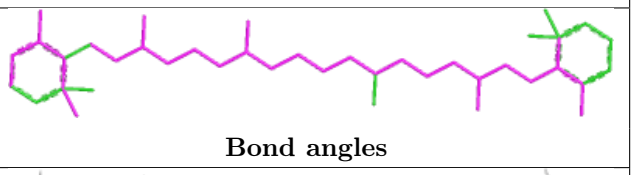


Rings

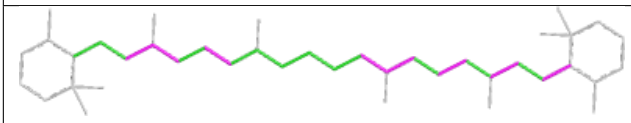
Ligand BCR G 4006



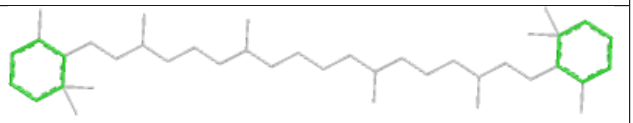
Bond lengths



Bond angles

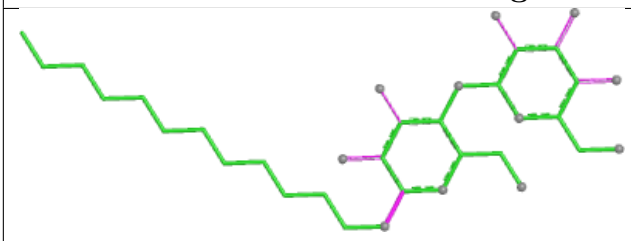


Torsions

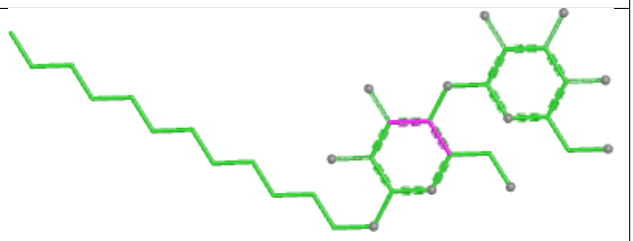


Rings

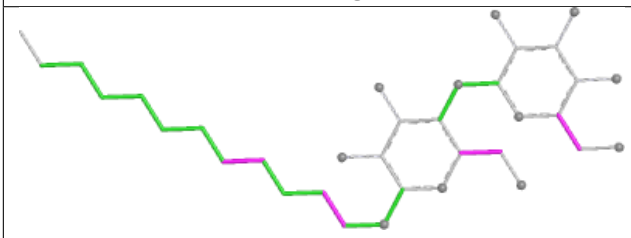
Ligand LMT m 6000



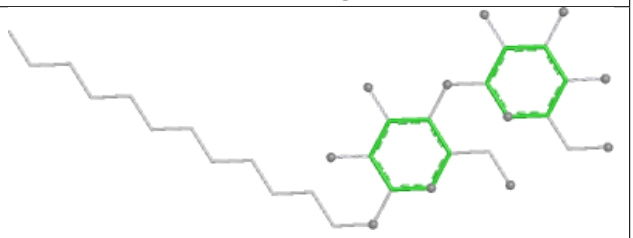
Bond lengths



Bond angles

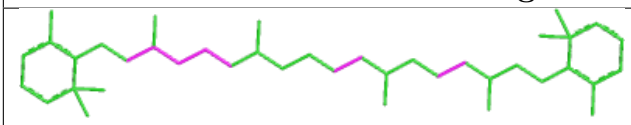


Torsions



Rings

Ligand BCR a 4004



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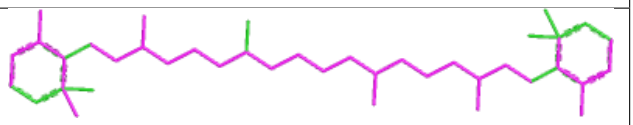
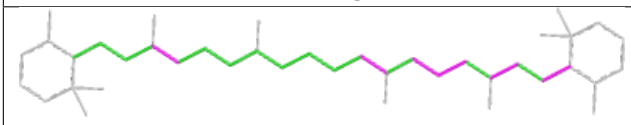


Bond angles



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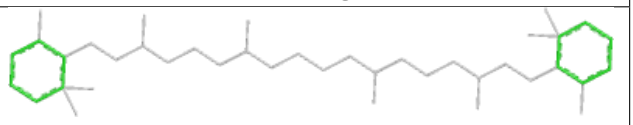
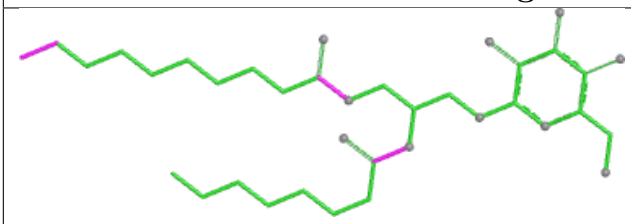


Rings

Ligand LMG I 5006



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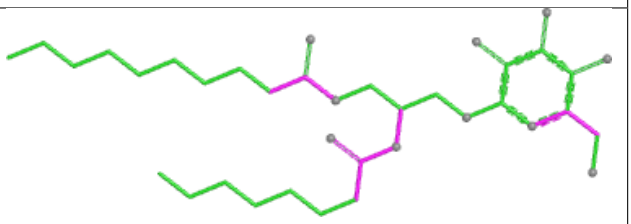

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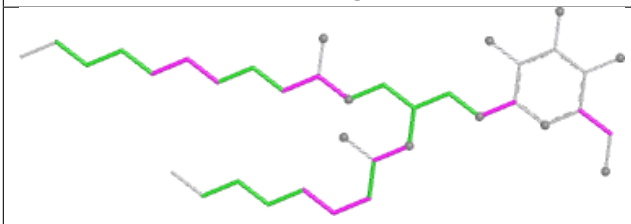

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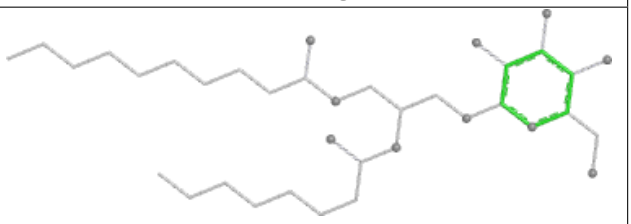
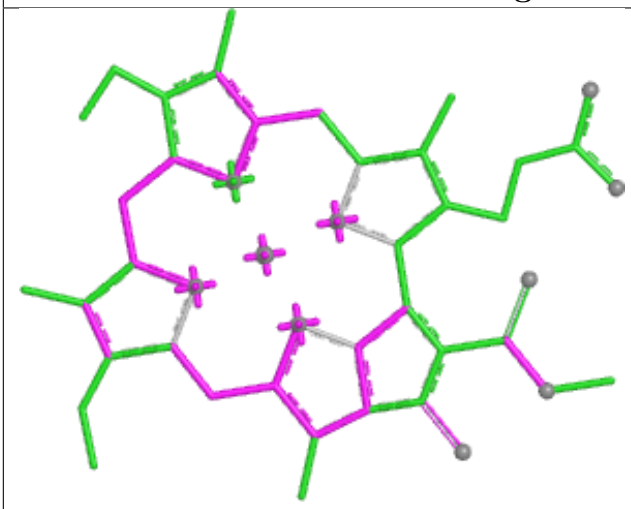


Rings

Ligand CLA H 1227



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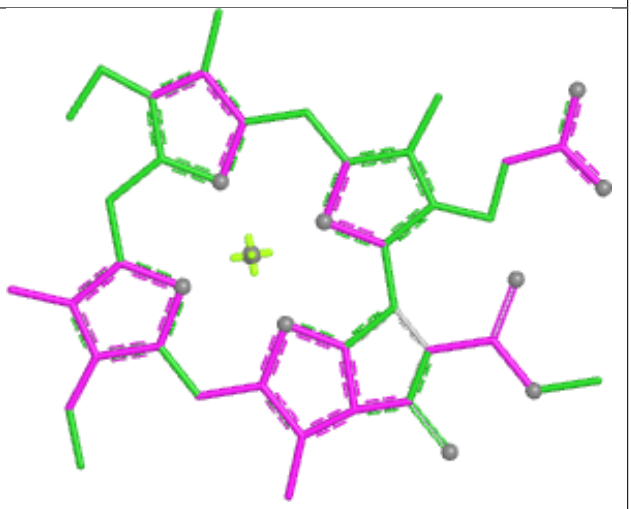
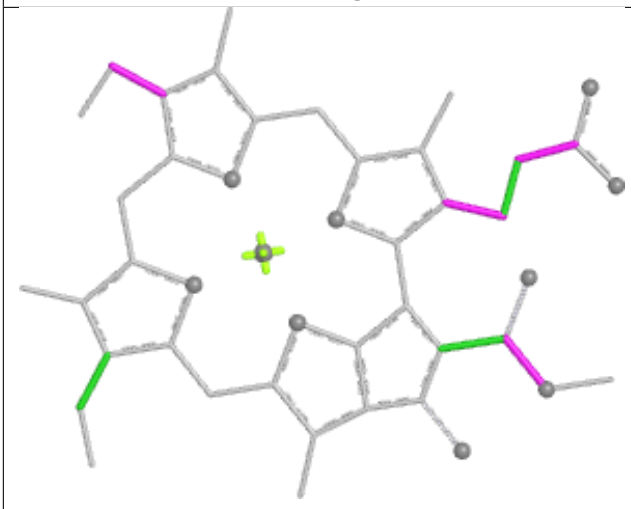


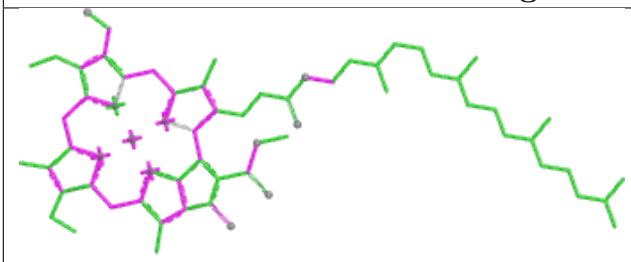
Bond angles



Torsions

Rings

Ligand F6C B 1237



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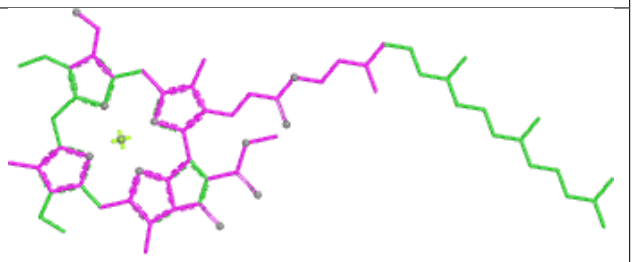

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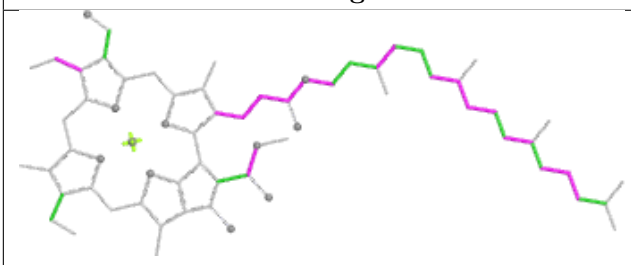

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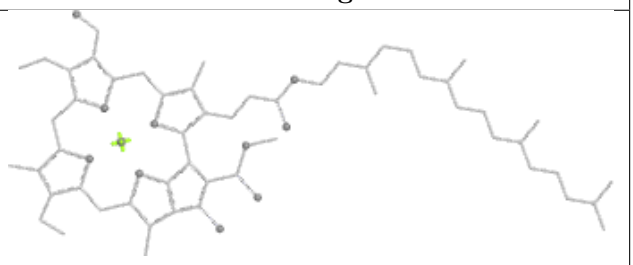
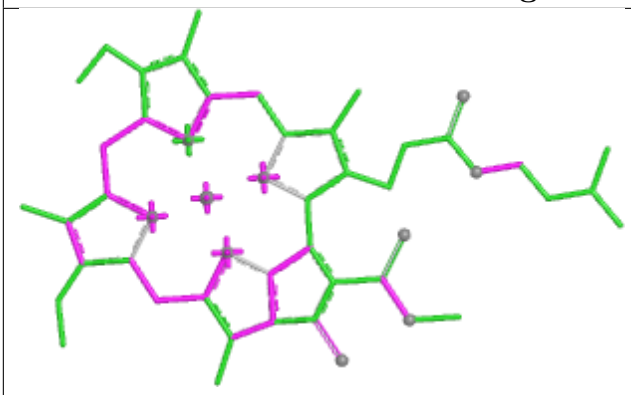


Rings

Ligand CLA a 1129



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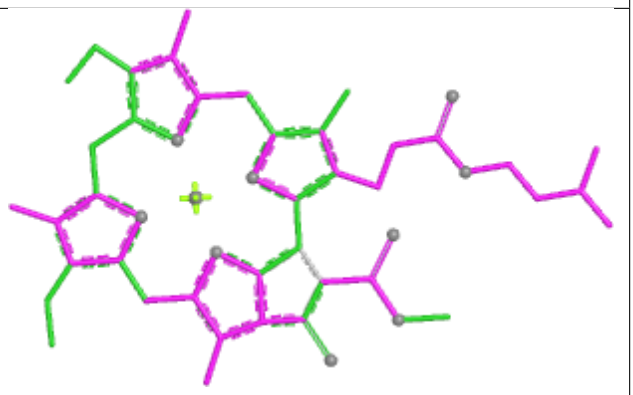

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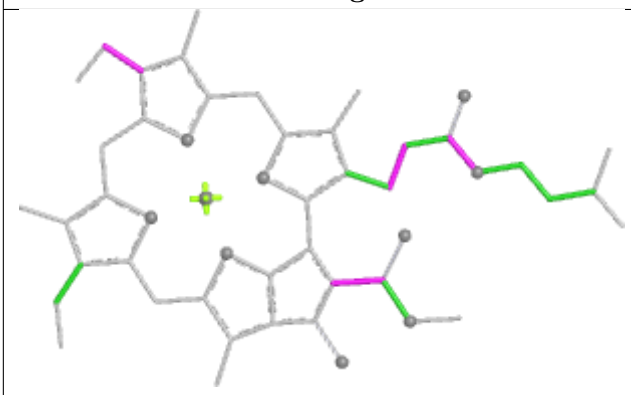

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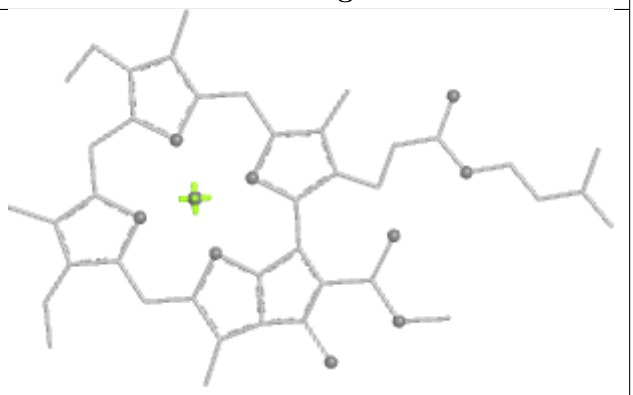
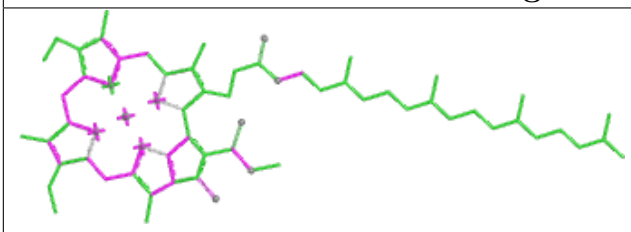


Rings

Ligand CLA l 1501



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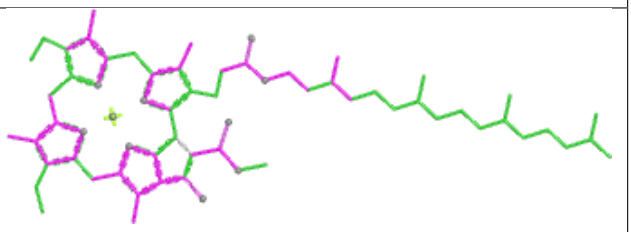
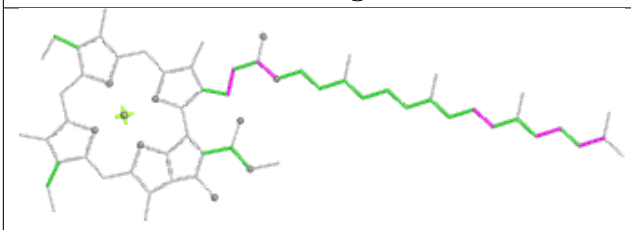


Bond angles



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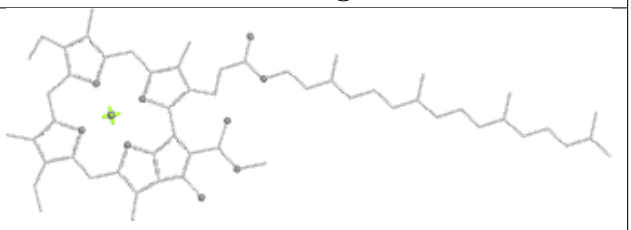
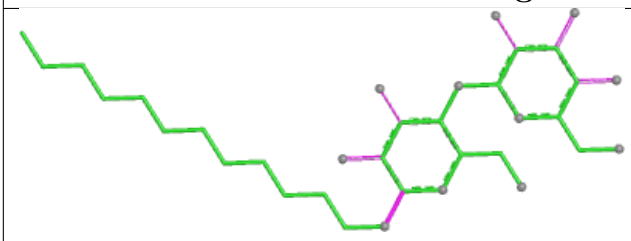


Rings

Ligand LMT b 6002



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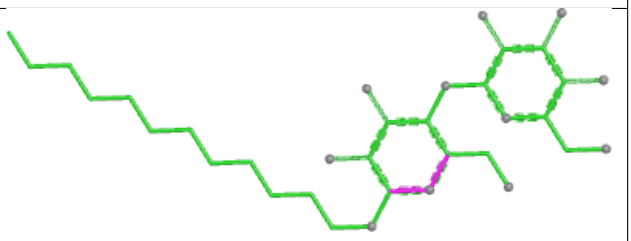
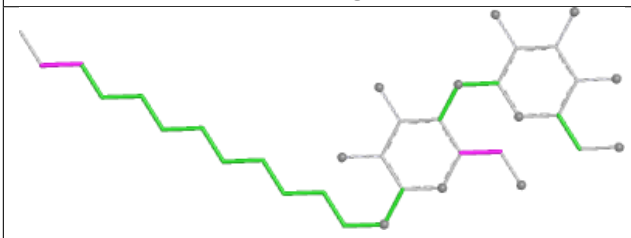


Bond angles



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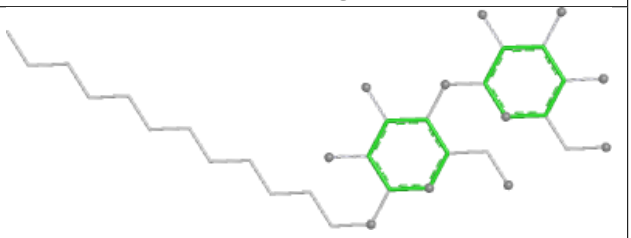
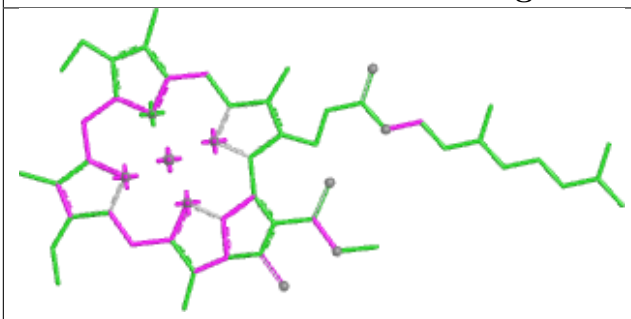


Rings

Ligand CLA B 1022



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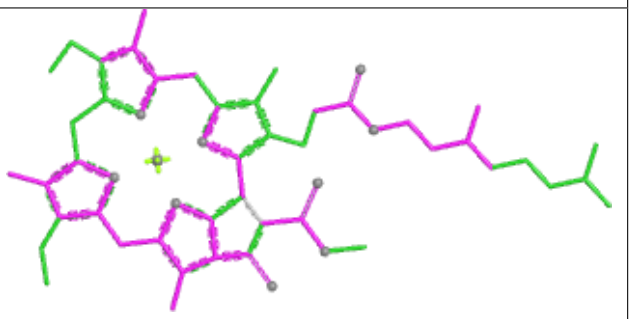
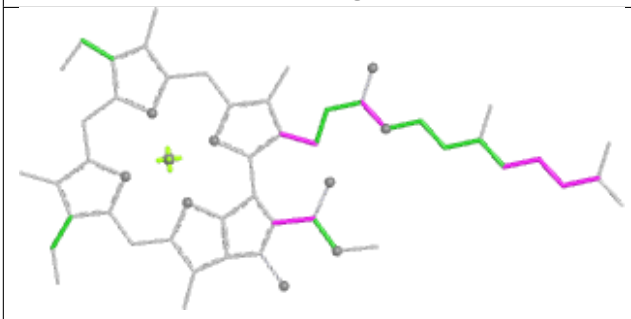
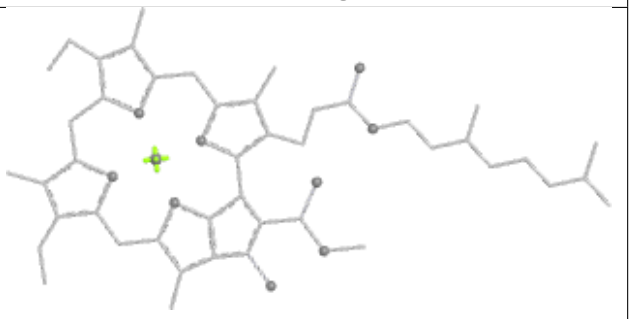


Bond angles

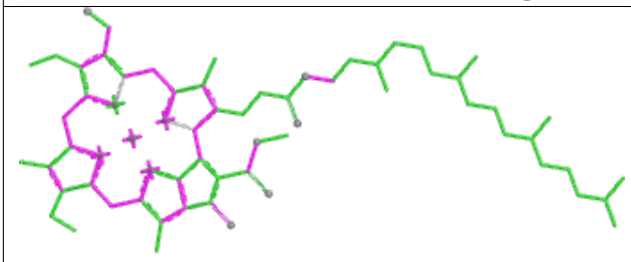


Torsions



Rings

Ligand F6C H 1237



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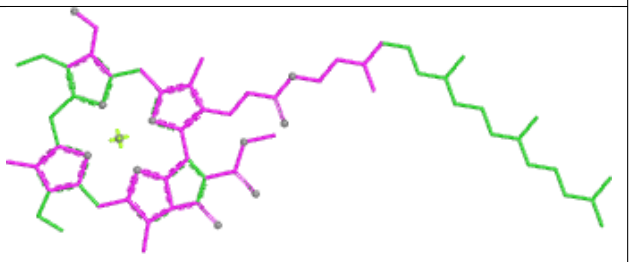
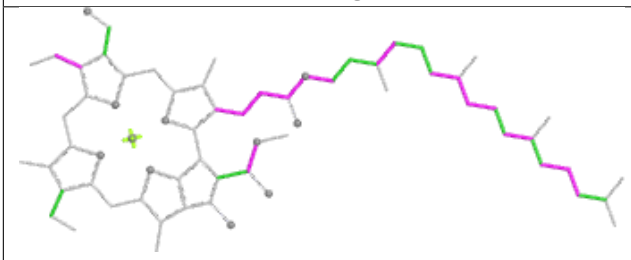


Bond angles



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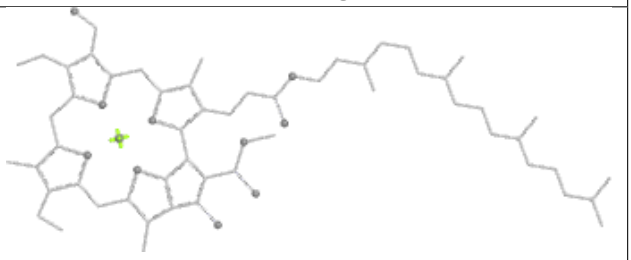
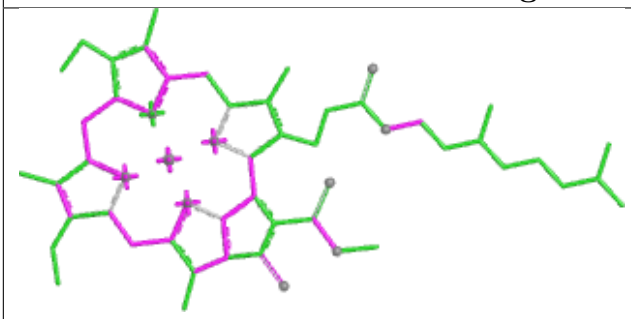
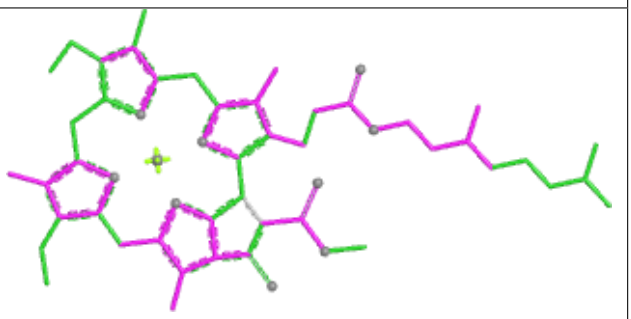
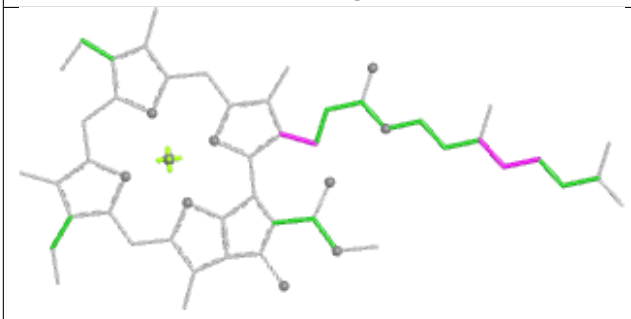
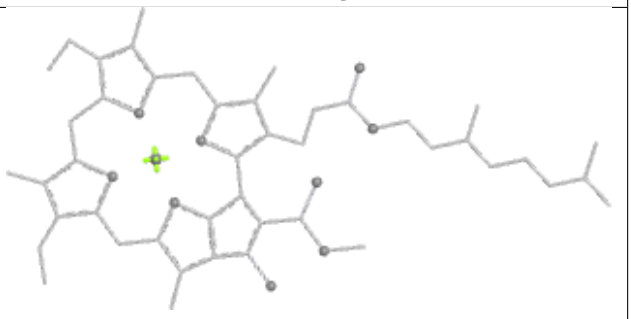
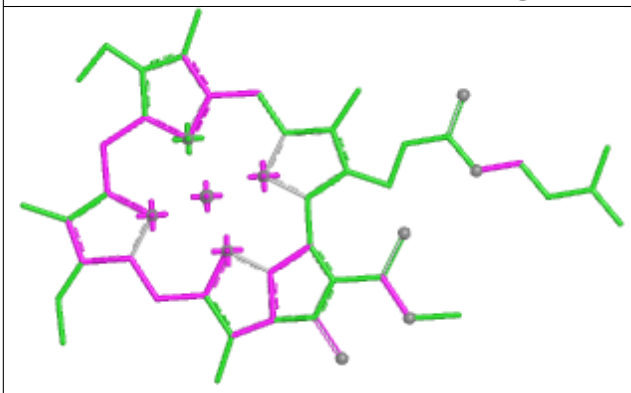
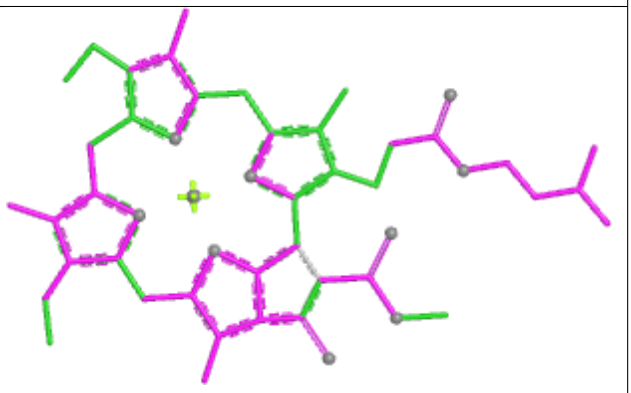
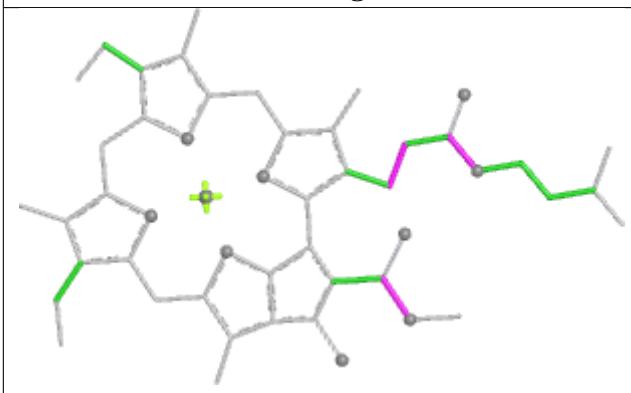
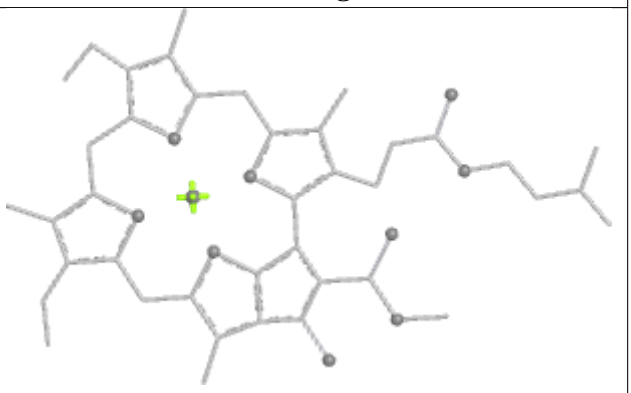
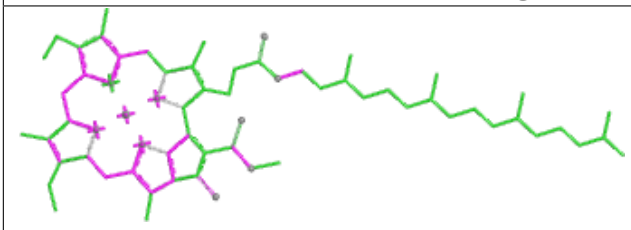


Rings

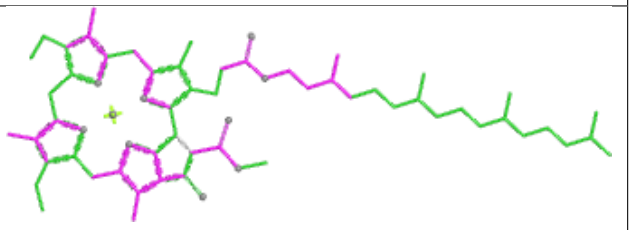
Ligand CLA a 1124	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 1135	
 Bond lengths	 Bond angles
 Torsions	 Rings

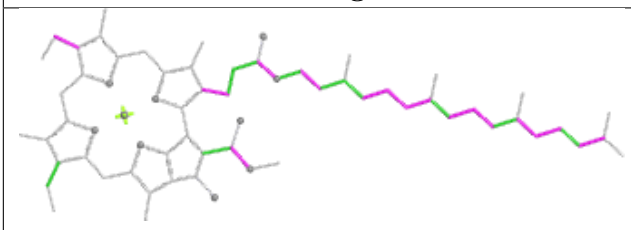
Ligand CLA H 1231



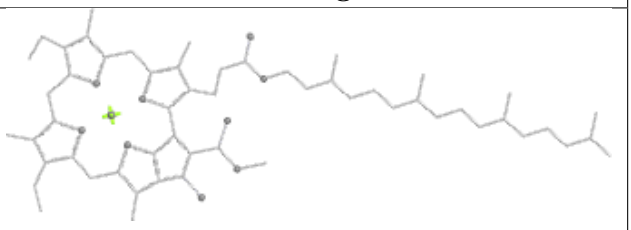
Bond lengths



Bond angles

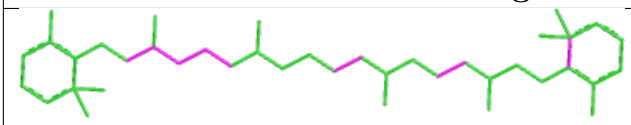


Torsions



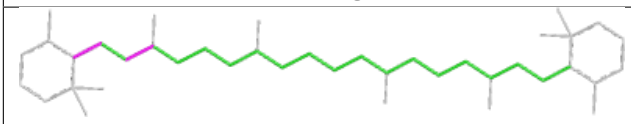
Rings

Ligand BCR H 4009

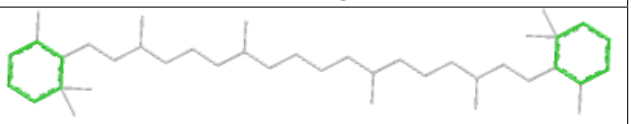


Bond lengths

Bond angles

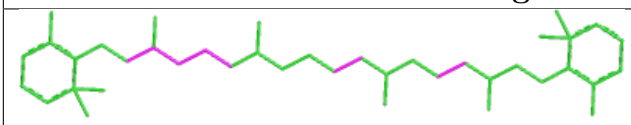


Torsions

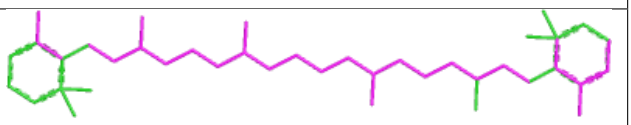


Rings

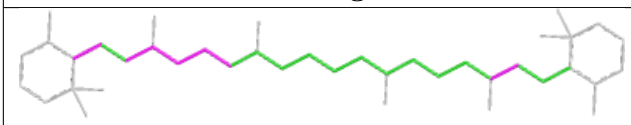
Ligand BCR G 4005



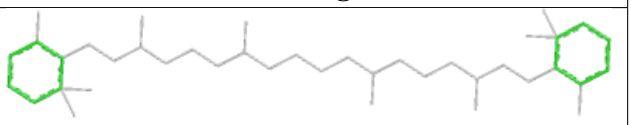
Bond lengths



Bond angles

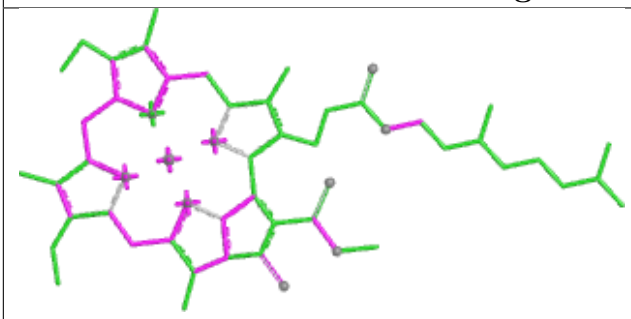


Torsions

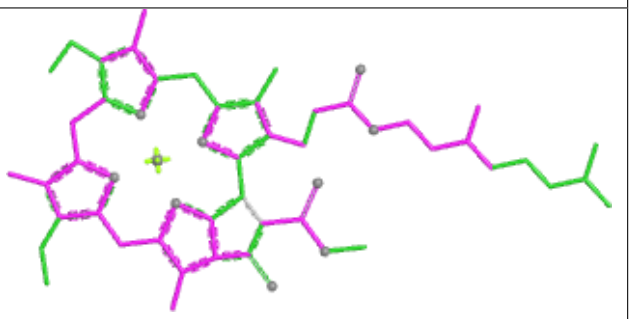


Rings

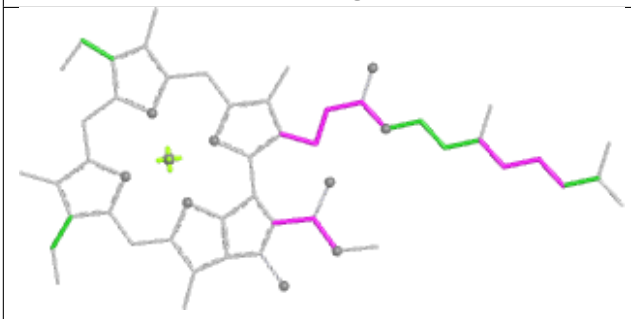
Ligand CLA H 1236



Bond lengths



Bond angles



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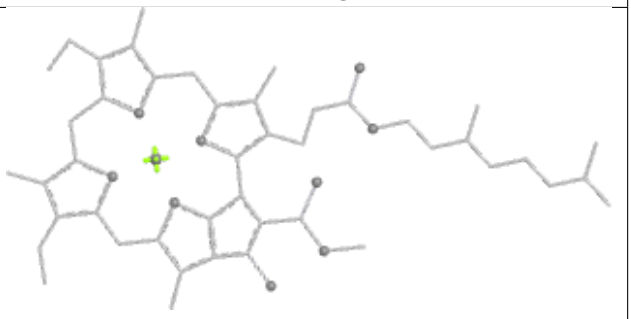
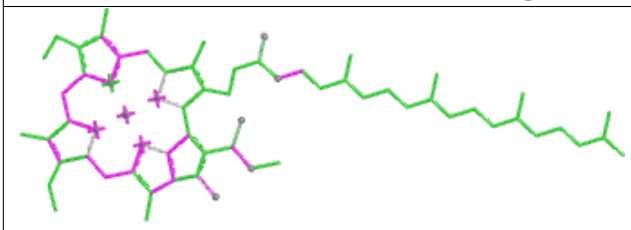


Rings

Ligand CLA a 1127



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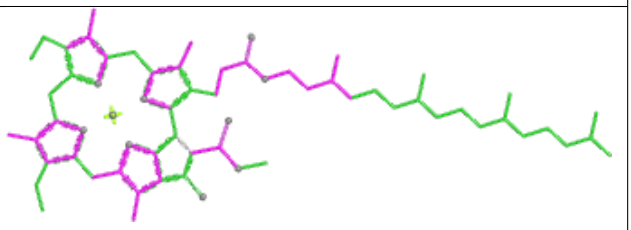
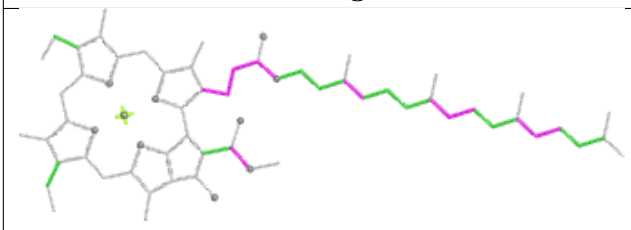


Bond angles



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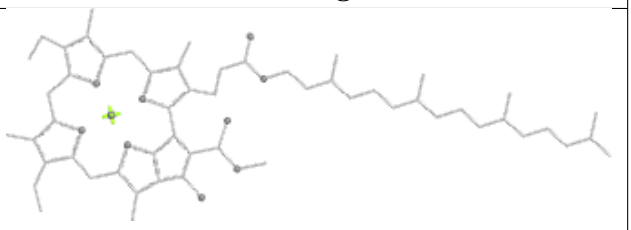
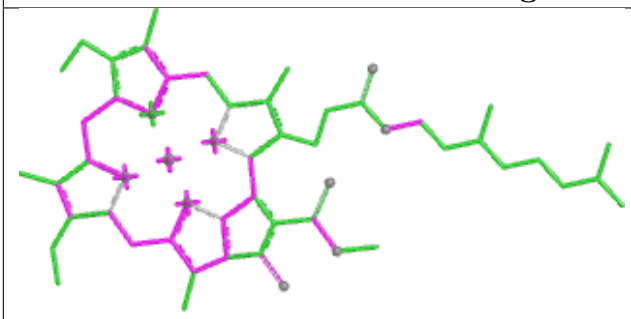


Rings

Ligand CLA a 1112



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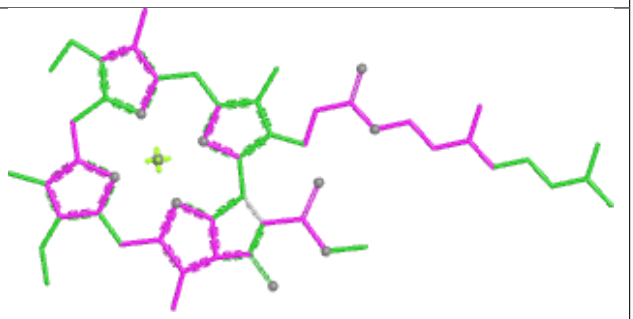
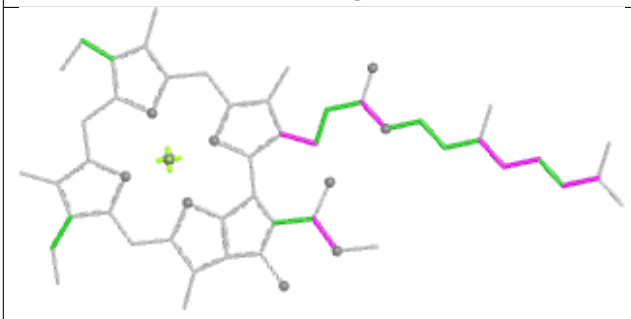


Bond angles



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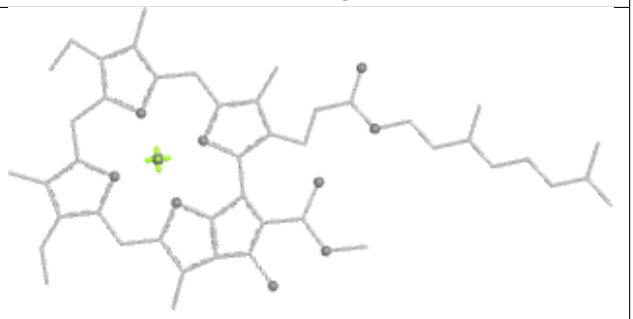
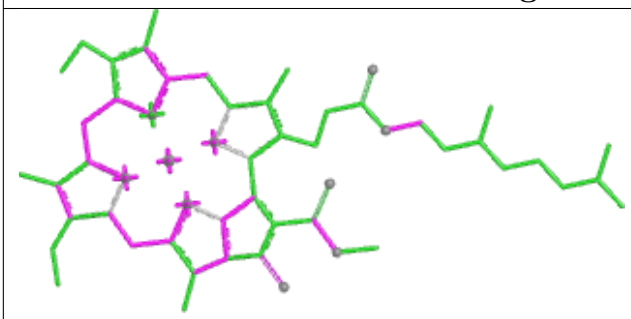


Rings

Ligand CLA a 1118



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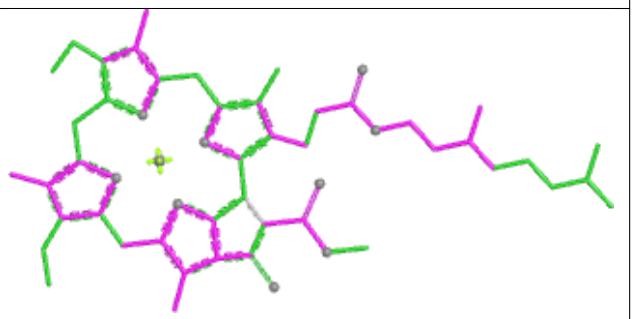
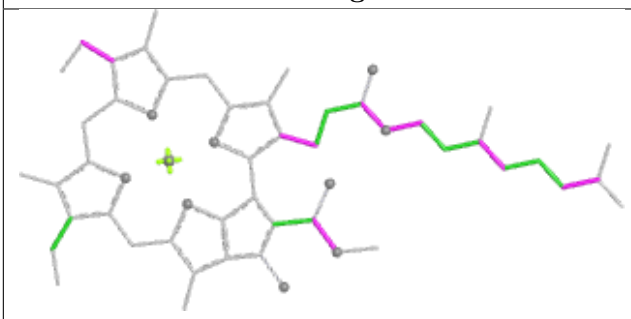


Bond angles



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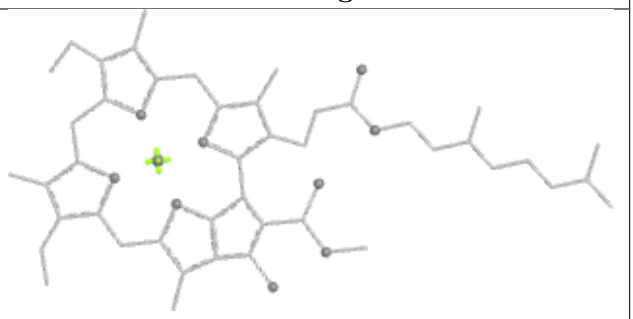
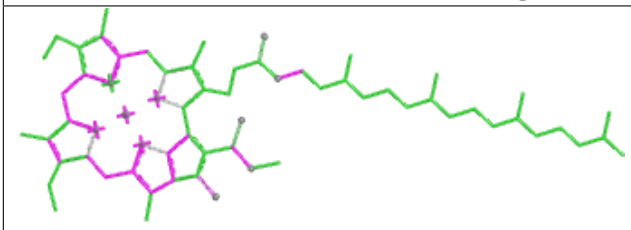


Rings

Ligand CLA G 1132



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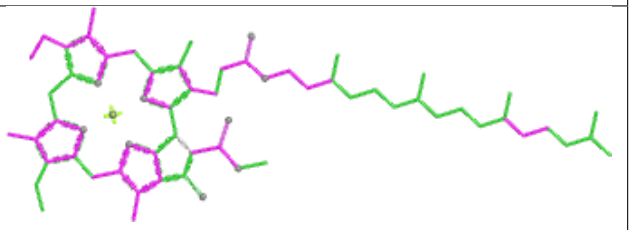
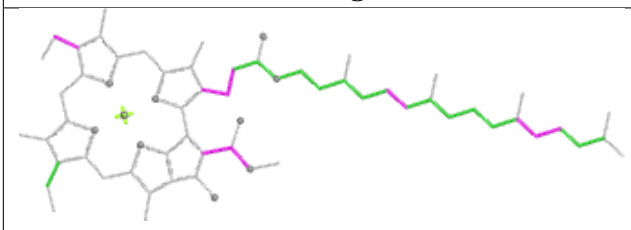


Bond angles



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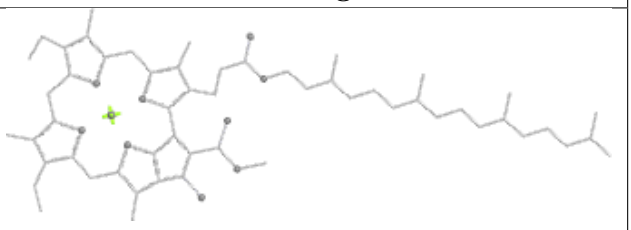
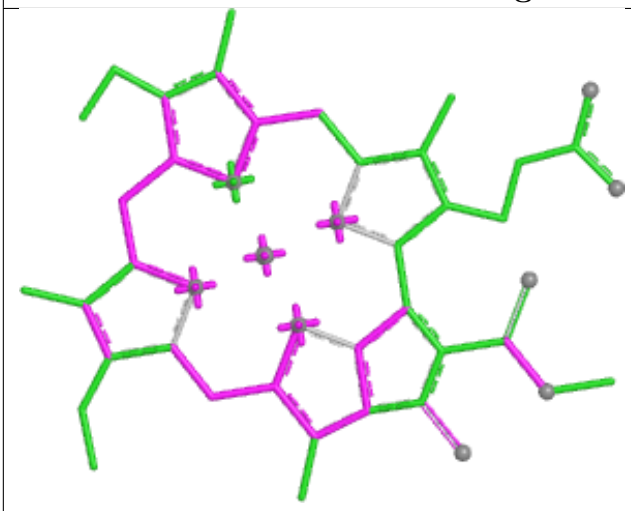


Rings

Ligand CLA A 1113



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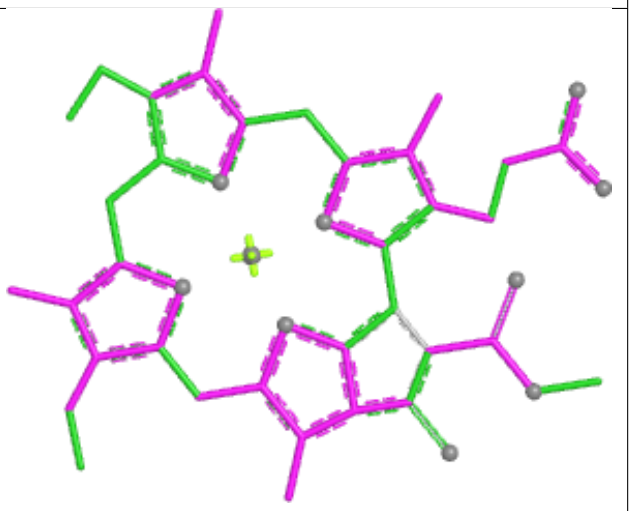
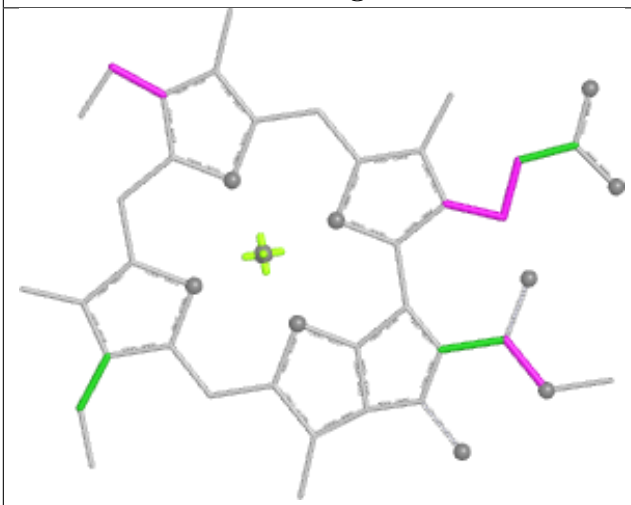


Bond angles



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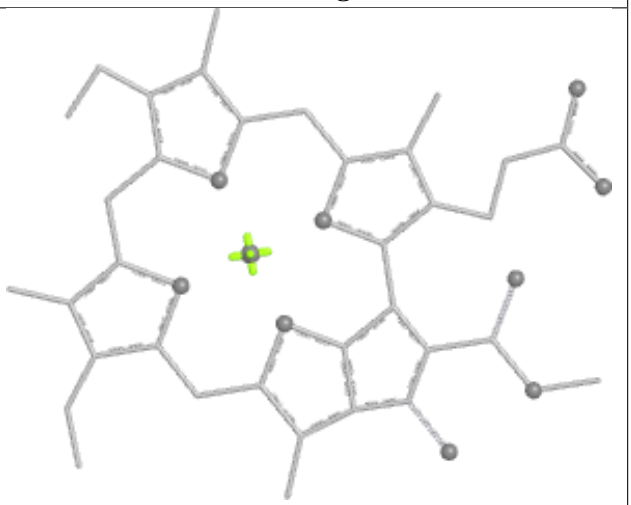
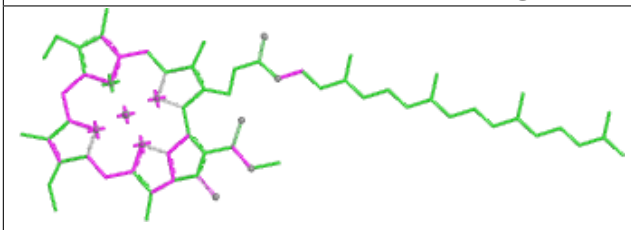
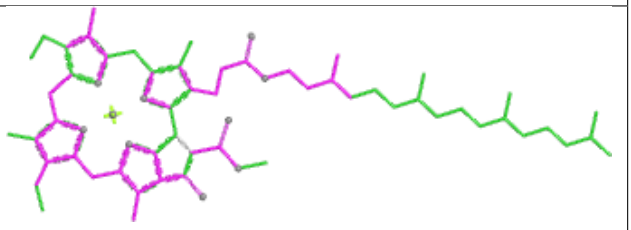


Rings

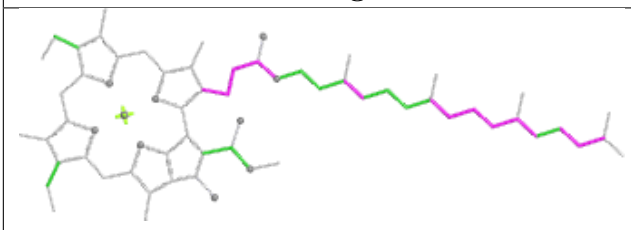
Ligand CLA G 1125



Bond lengths



Bond angles



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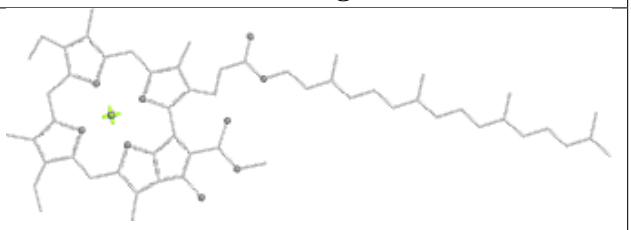
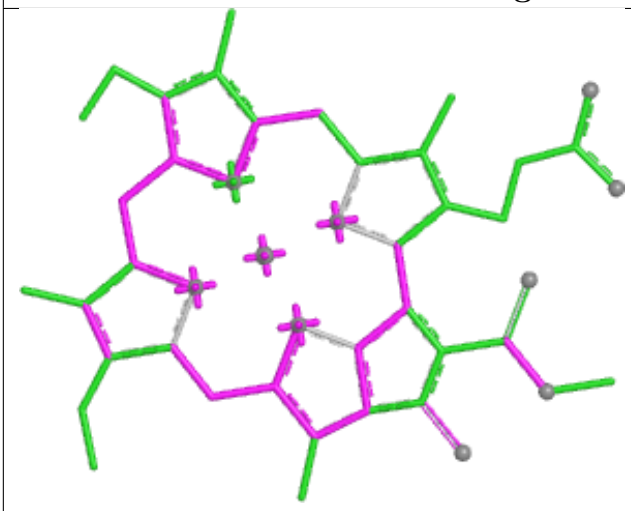


Rings

Ligand CLA G 1134



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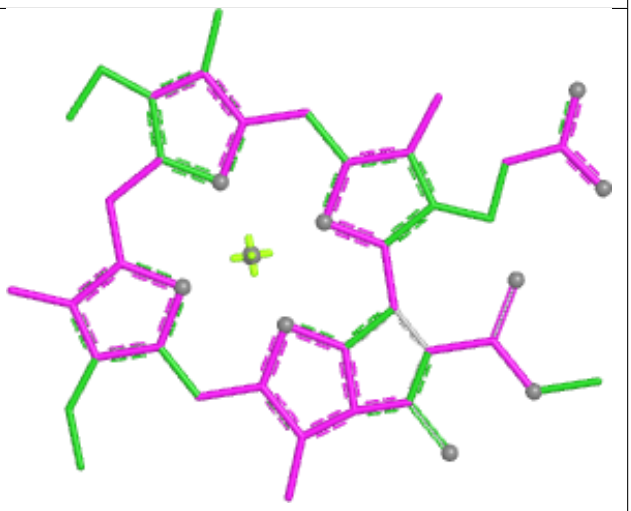
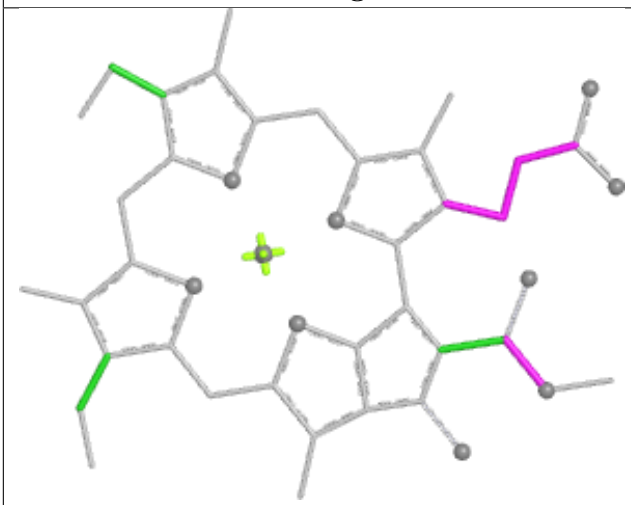
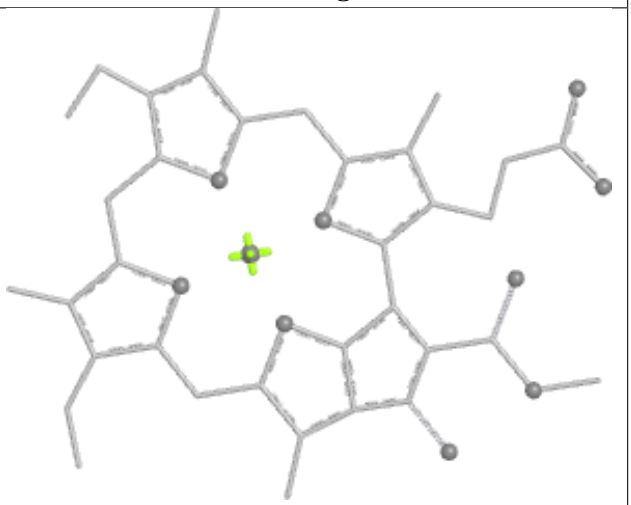


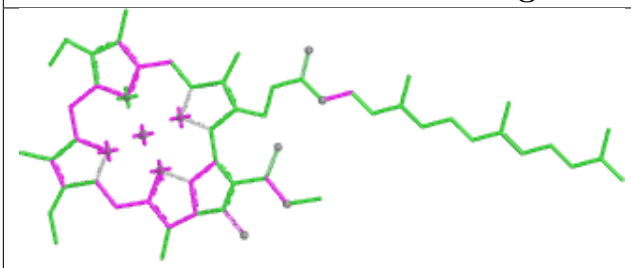
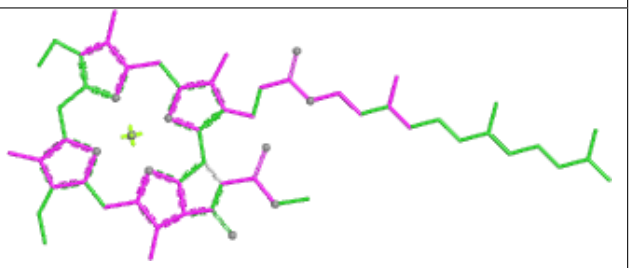
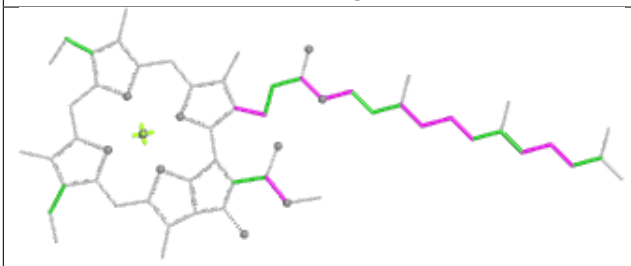
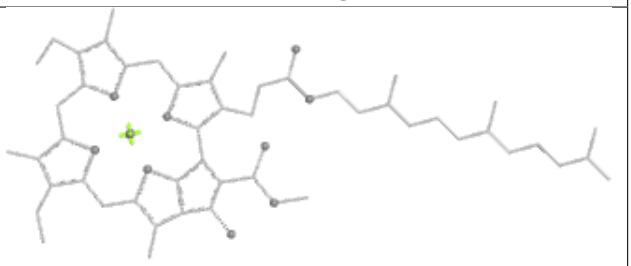
Bond angles

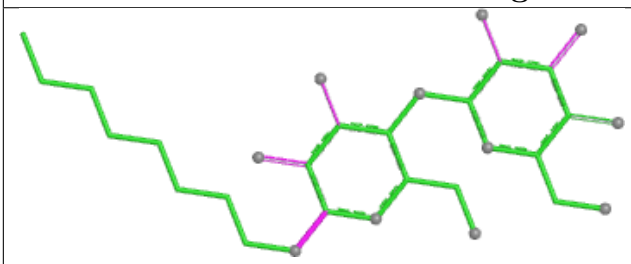
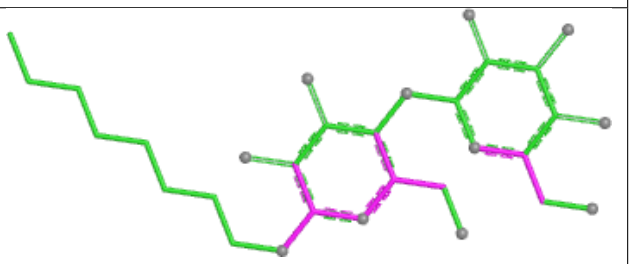
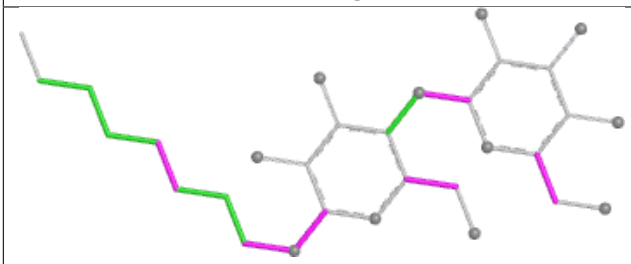
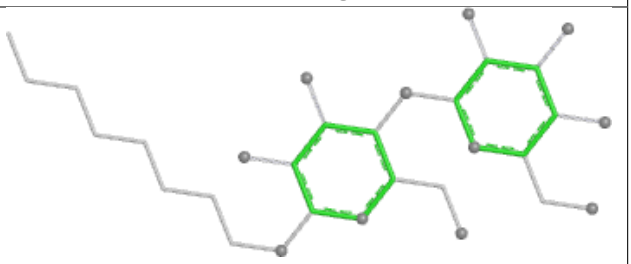


Torsions

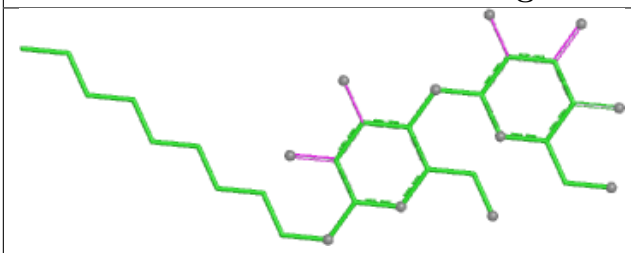


Rings

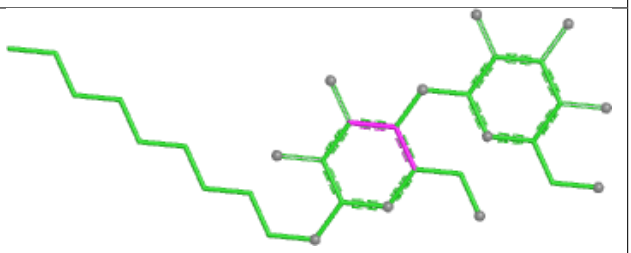
Ligand CLA b 1229	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand LMT G 6001	
	
Bond lengths	Bond angles
	
Torsions	Rings

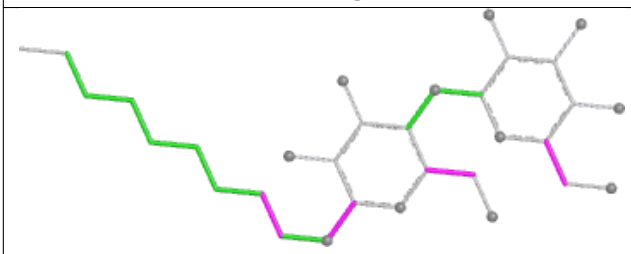
Ligand LMT a 6003



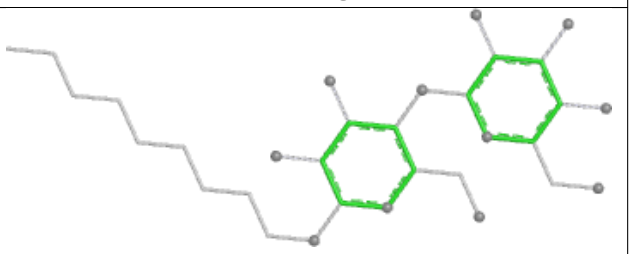
Bond lengths



Bond angles

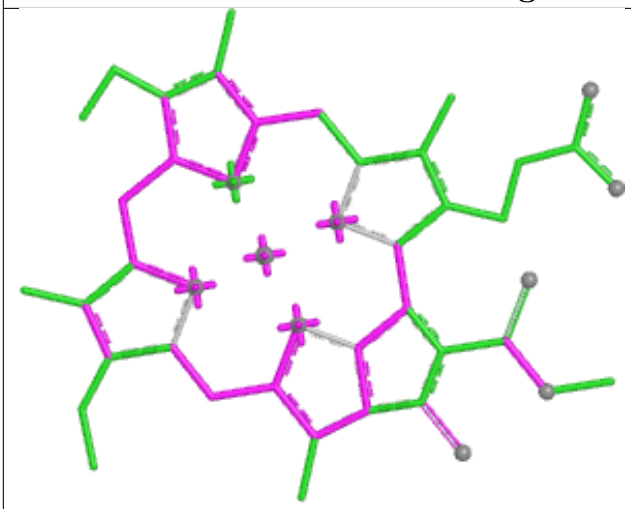


Torsions

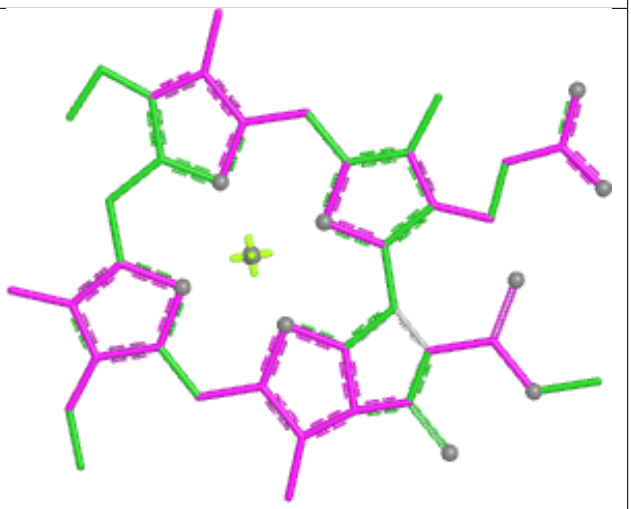


Rings

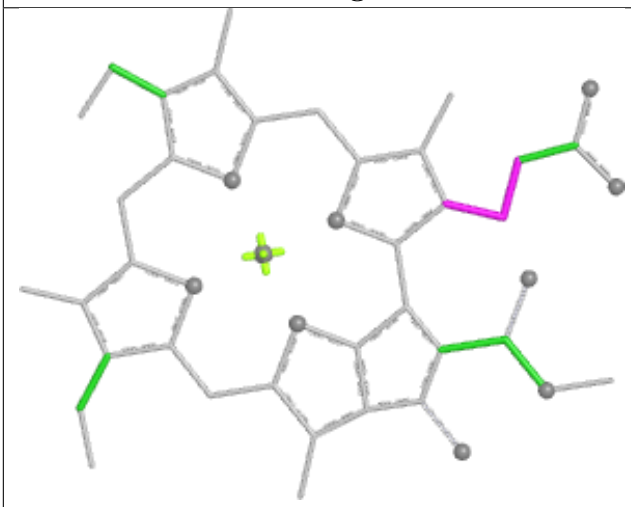
Ligand CLA b 1213



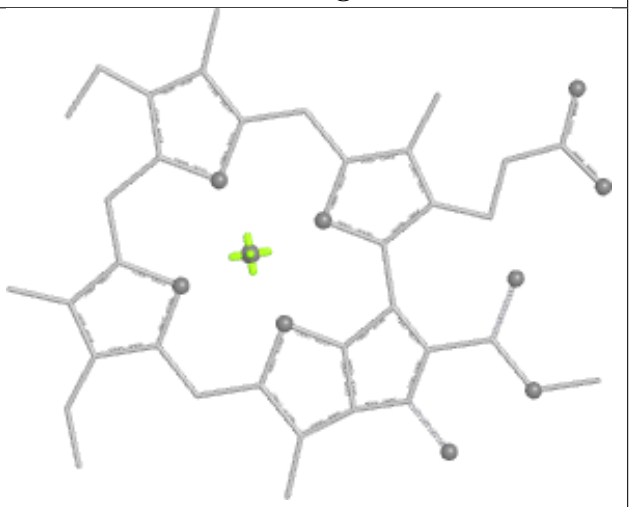
Bond lengths



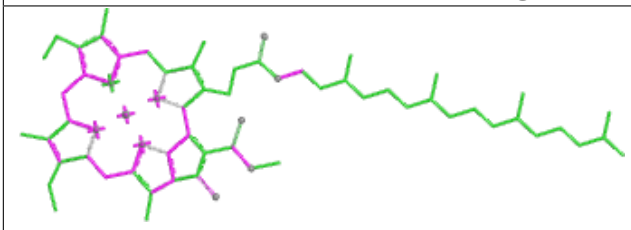
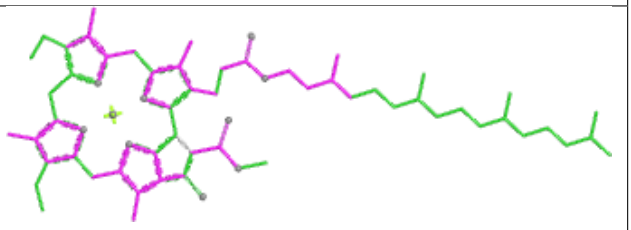
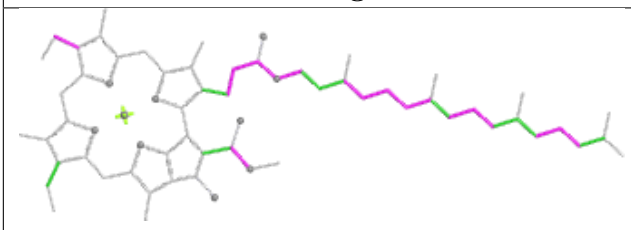
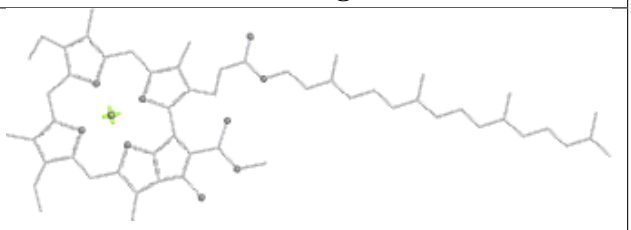
Bond angles



Torsions



Rings

Ligand CLA G 1136	
 Bond lengths	 Bond angles
 Torsions	 Rings

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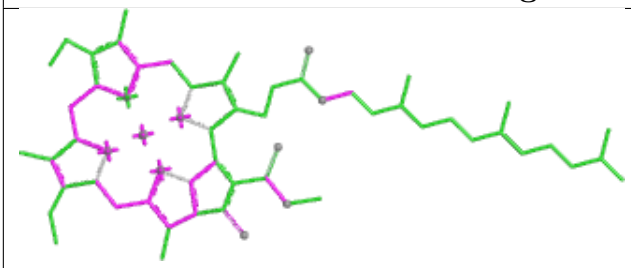
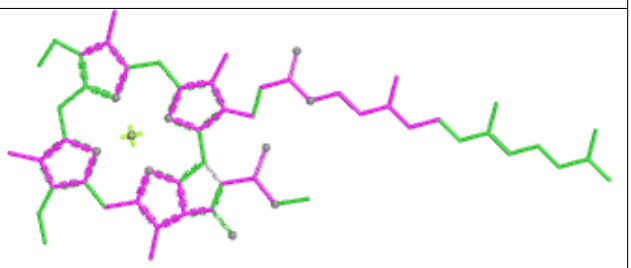
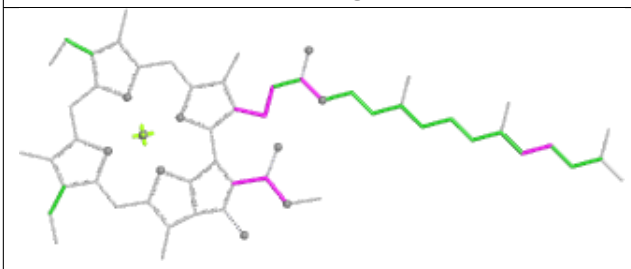
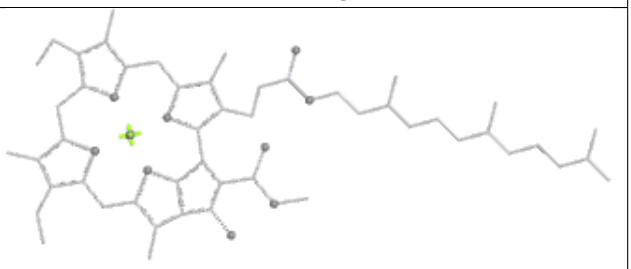
 Bond lengths	 Bond angles
 Torsions	 Rings

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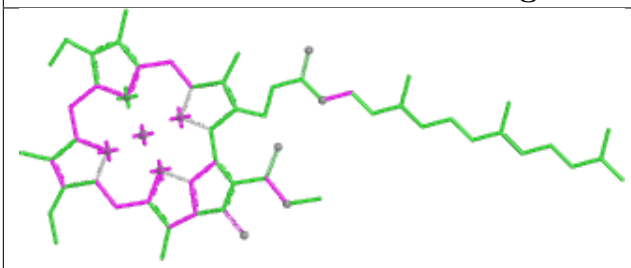
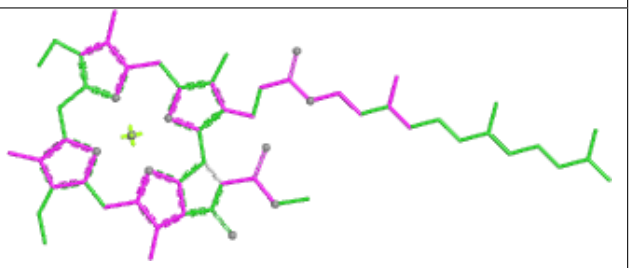
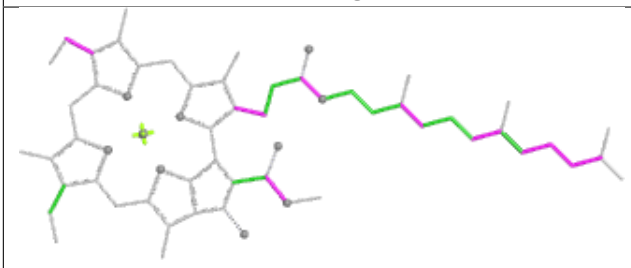
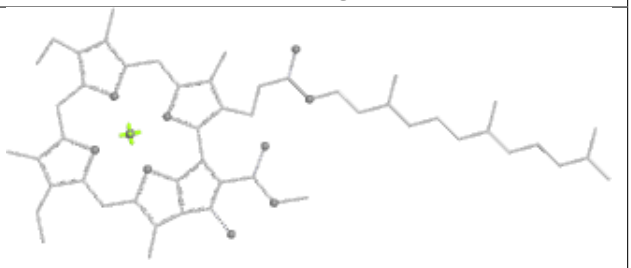
	
Bond lengths	Bond angles
	
Torsions	Rings

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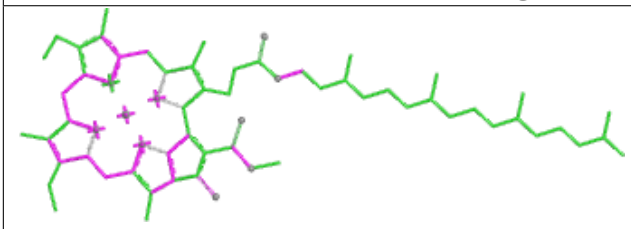
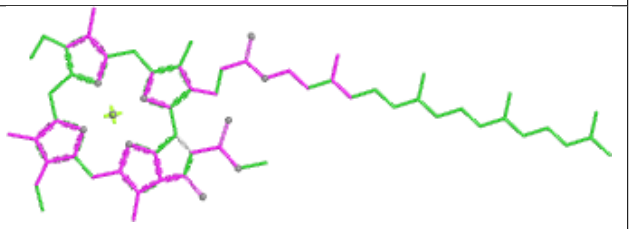
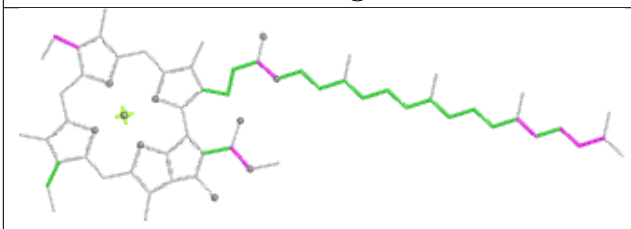
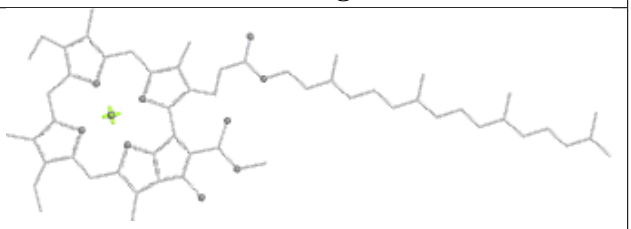
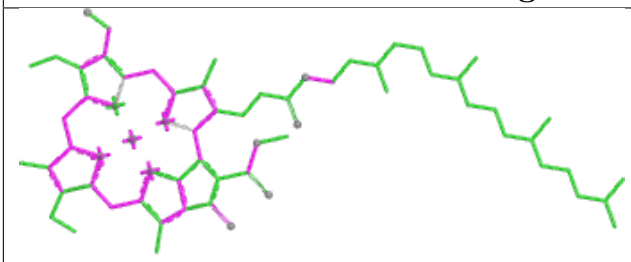
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand F6C H 1238



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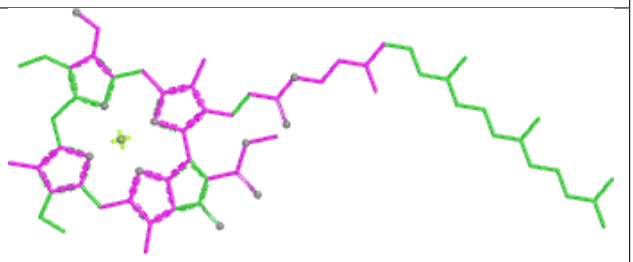

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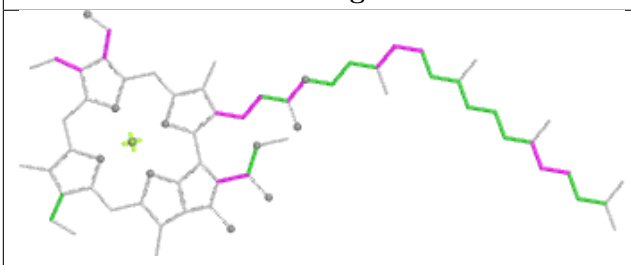

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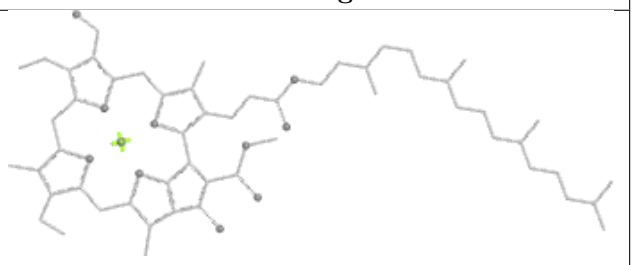
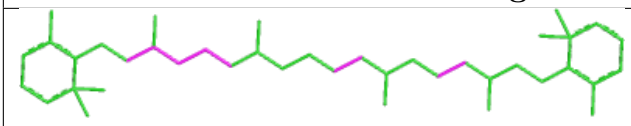


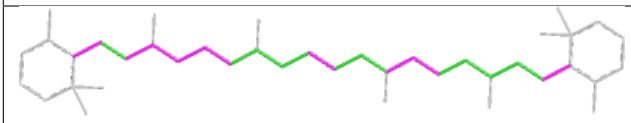
Rings

Ligand BCR M 4021



Bond lengths

Bond angles



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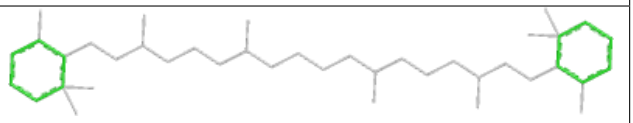
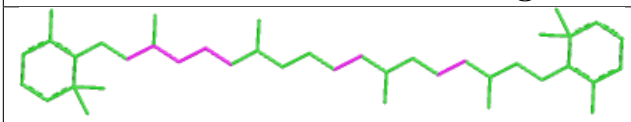


Rings

Ligand BCR b 4010



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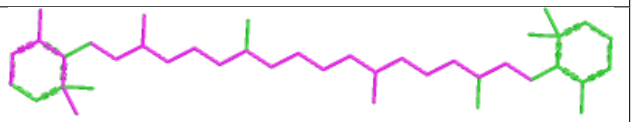
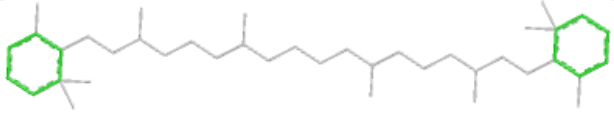


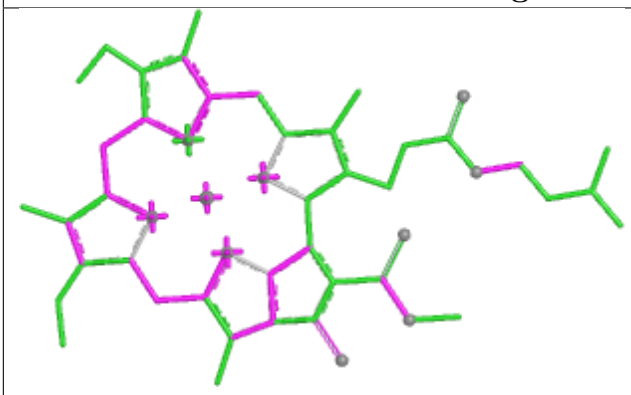
Bond angles

Torsions



Rings

Ligand CLA M 1501



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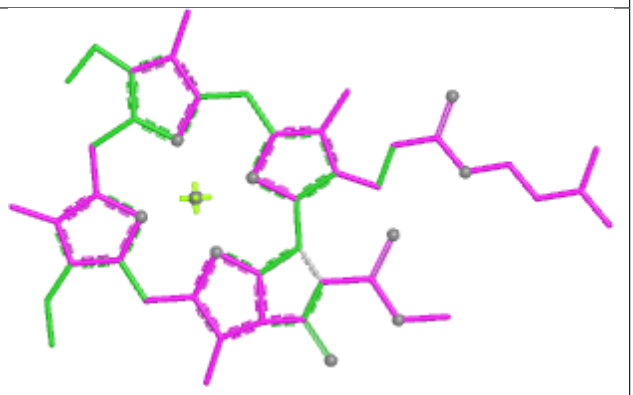

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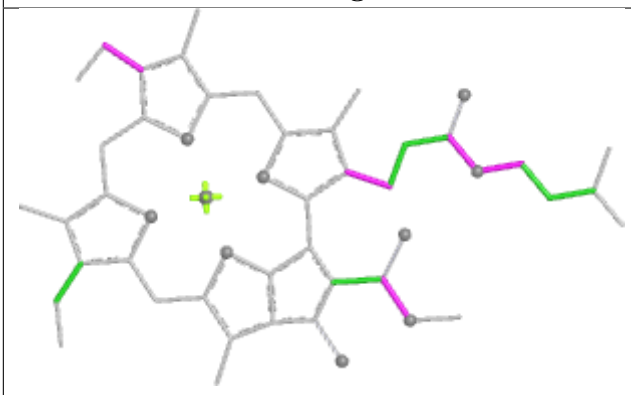

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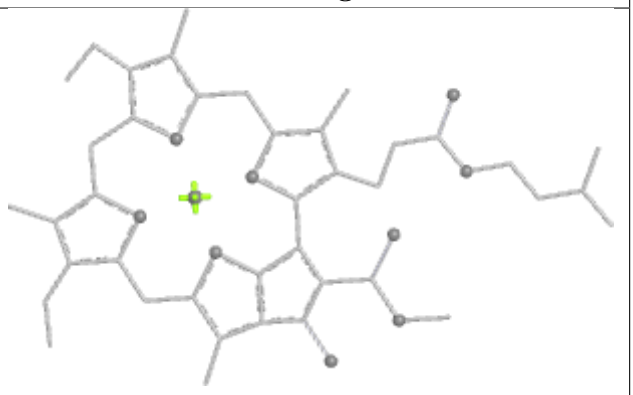
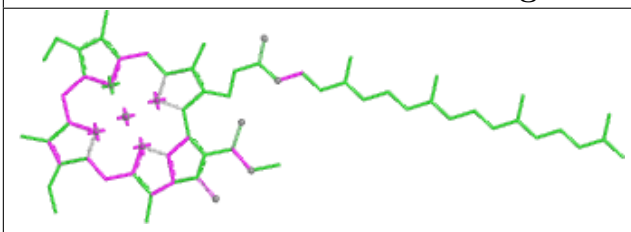


Rings

Ligand CLA a 1012



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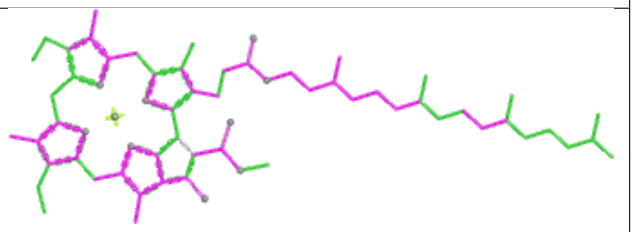

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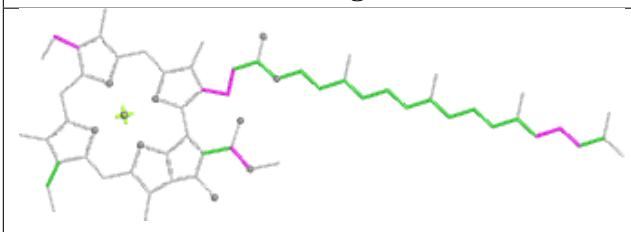

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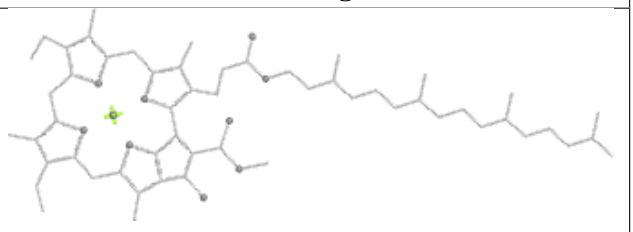
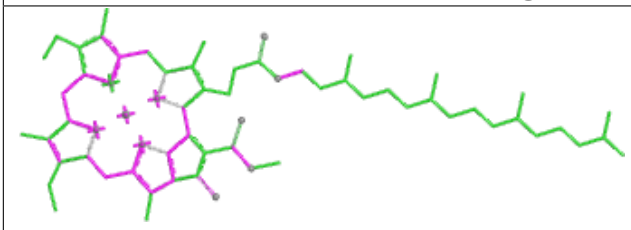


Rings

Ligand CLA a 1117



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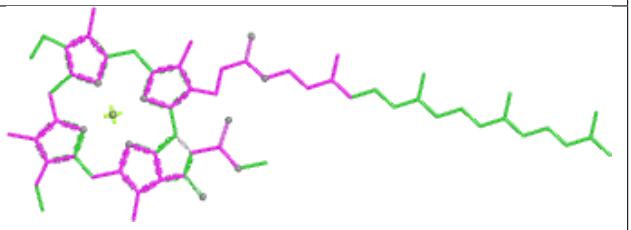

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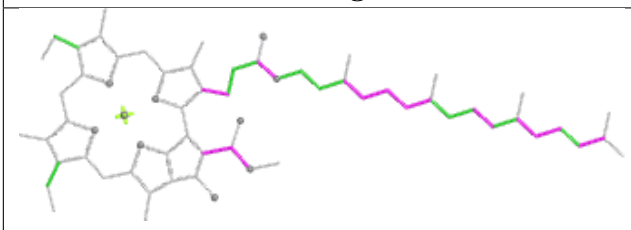

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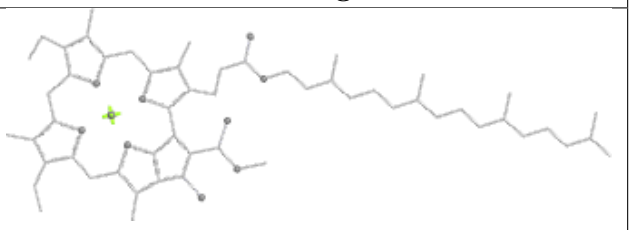
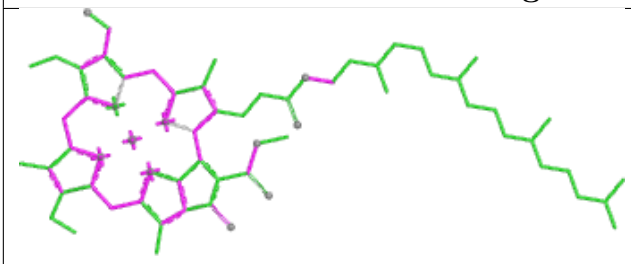


Rings

Ligand F6C b 1237



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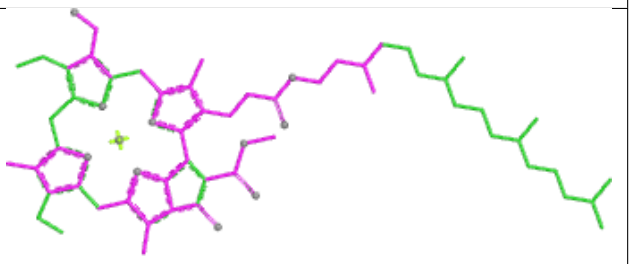

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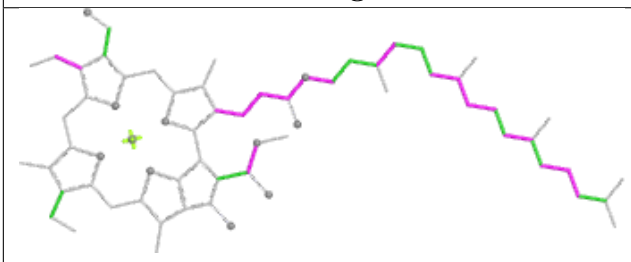

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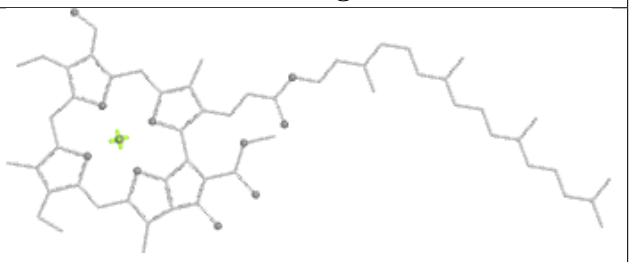
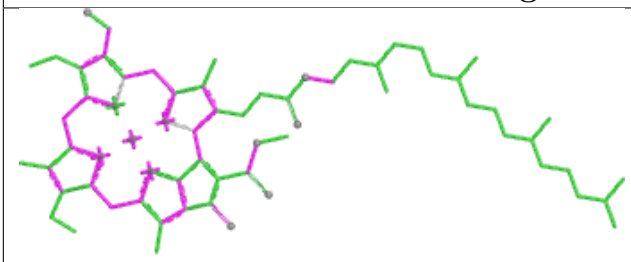


Rings

Ligand F6C B 1238



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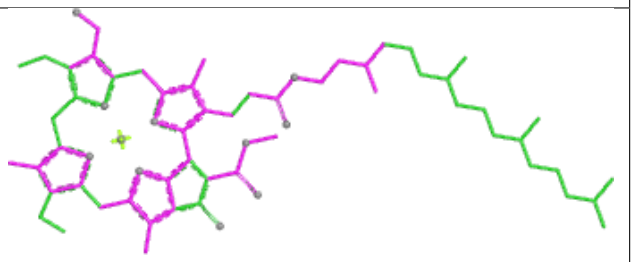
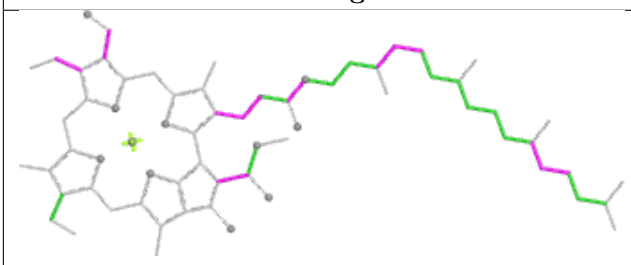


Bond angles



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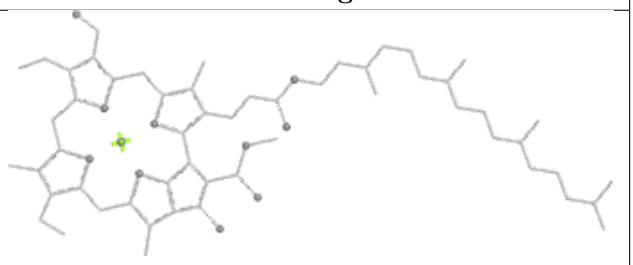
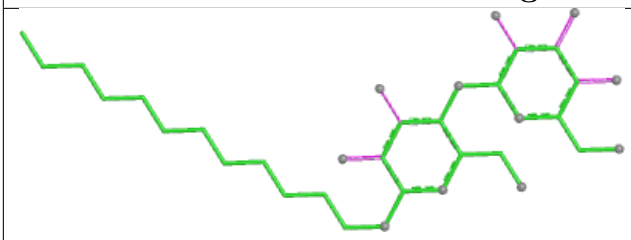


Rings

Ligand LMT l 6002



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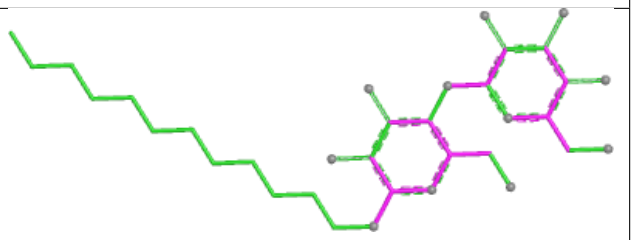

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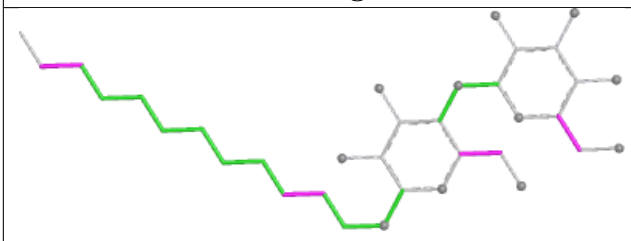
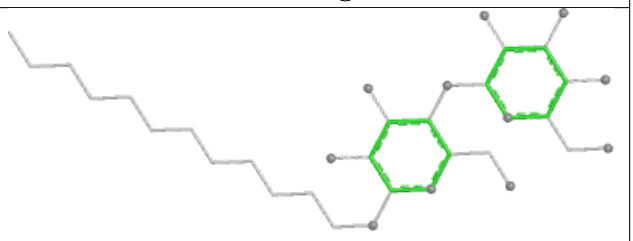
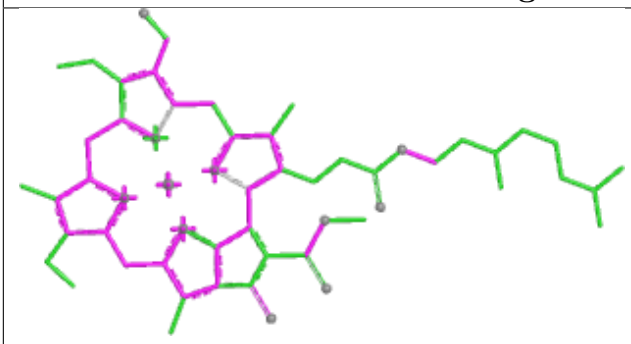


Torsions



Rings

Ligand F6C H 1219



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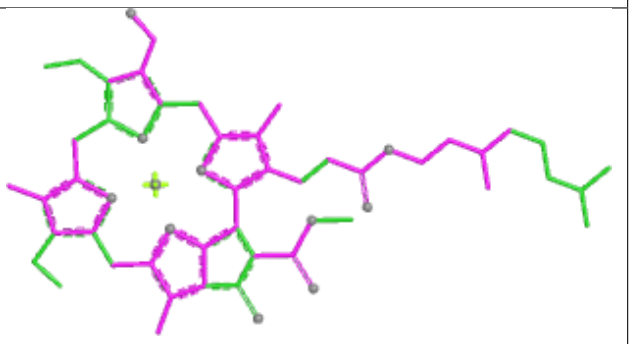
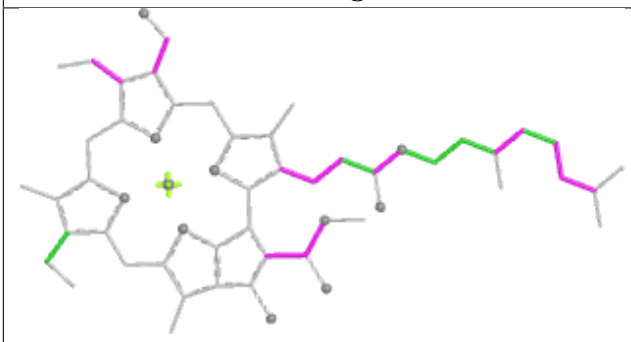


Bond angles



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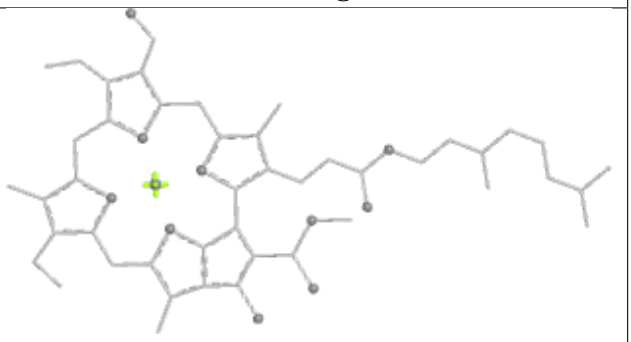
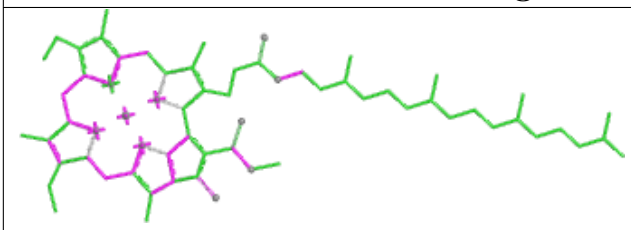


Rings

Ligand CLA H 1226



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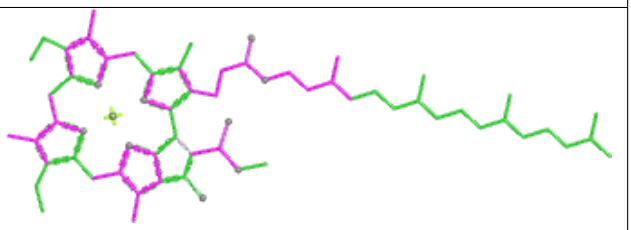
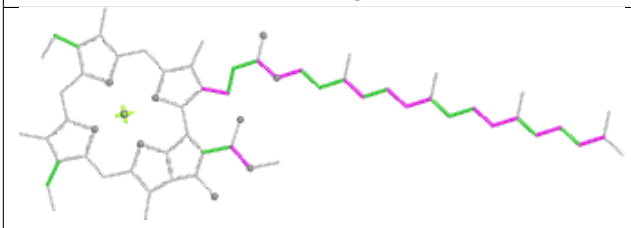


Bond angles



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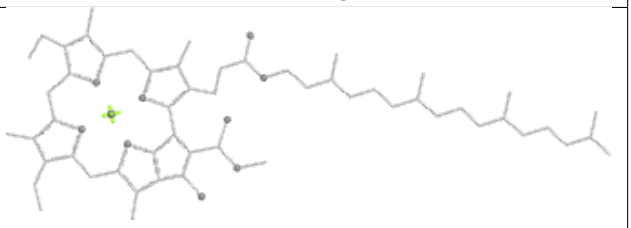
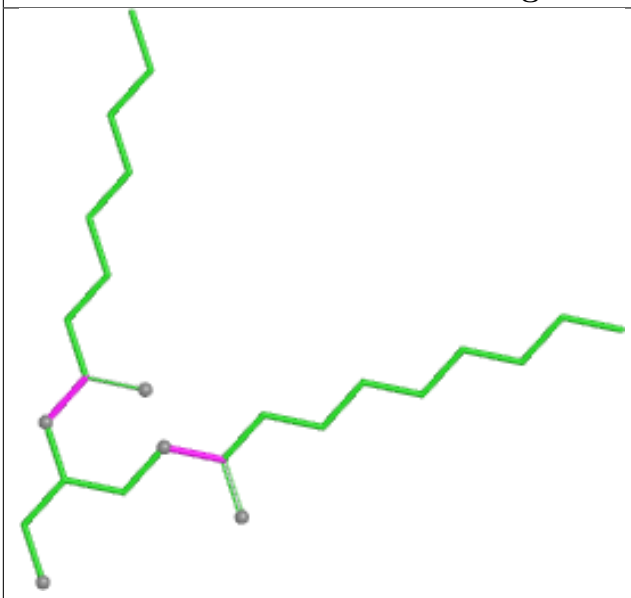


Rings

Ligand LHG l 5101



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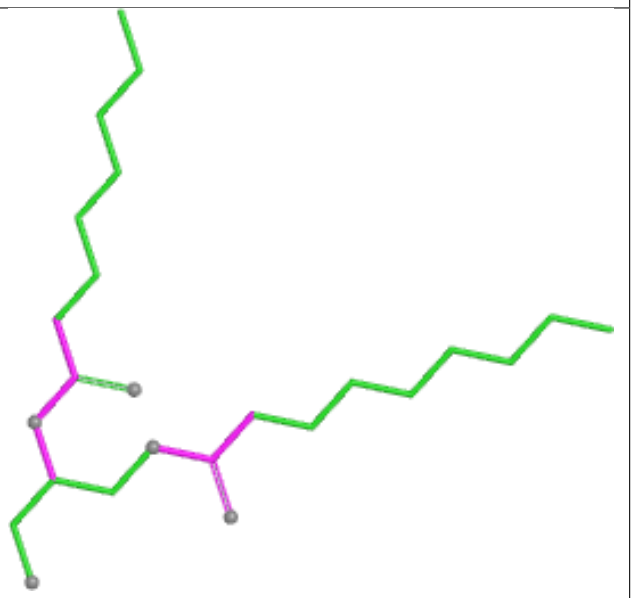
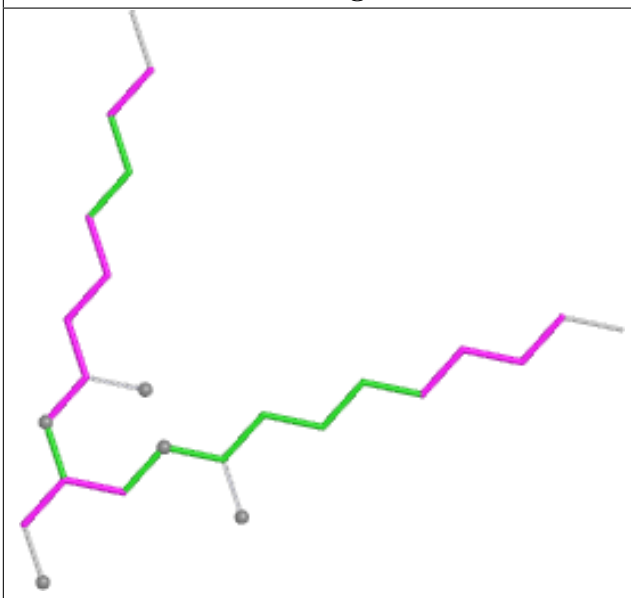
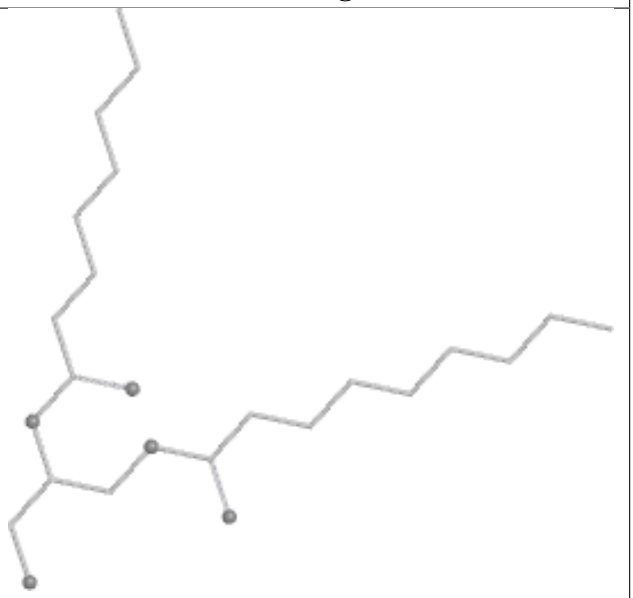


Bond angles

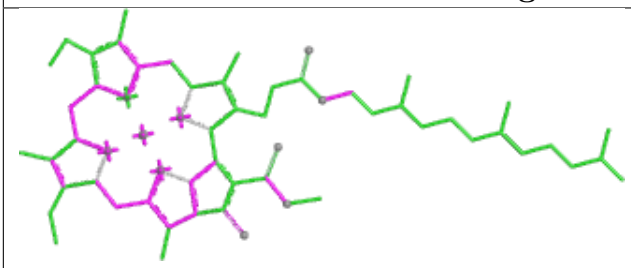


Torsions



Rings

Ligand CLA b 1235



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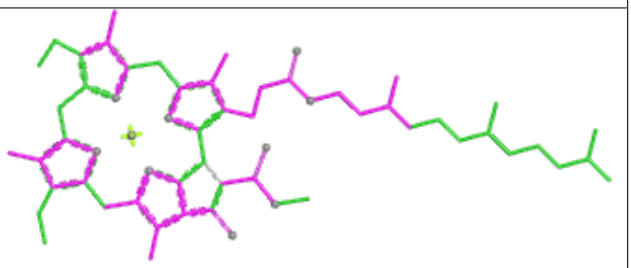
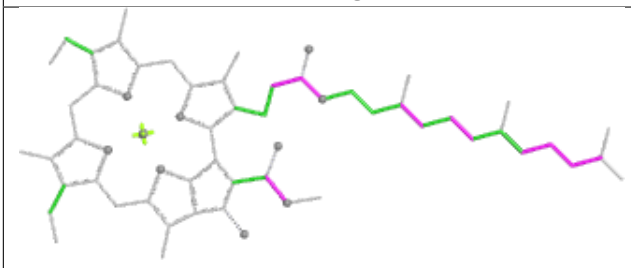
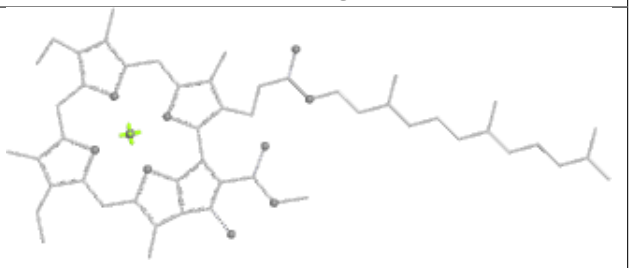


Bond angles

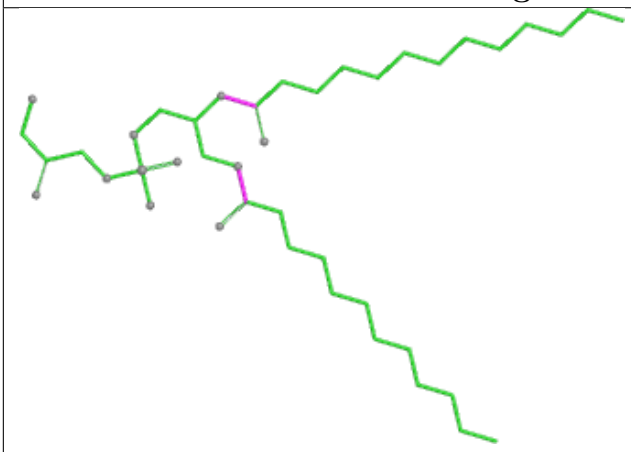


Torsions

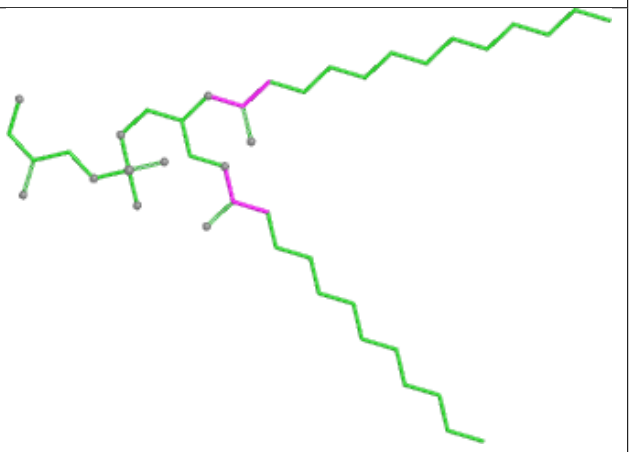


Rings

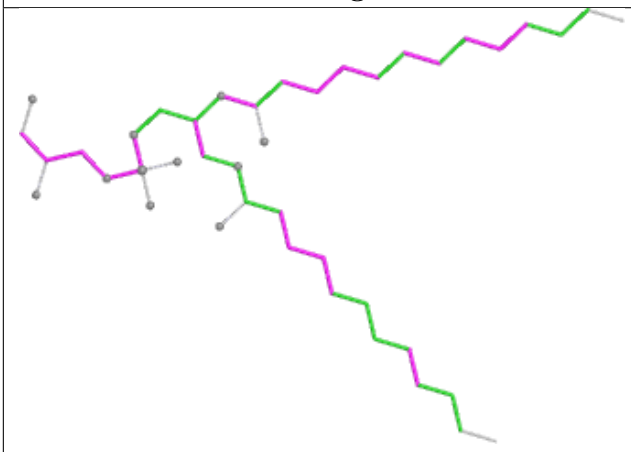
Ligand LHG A 5001



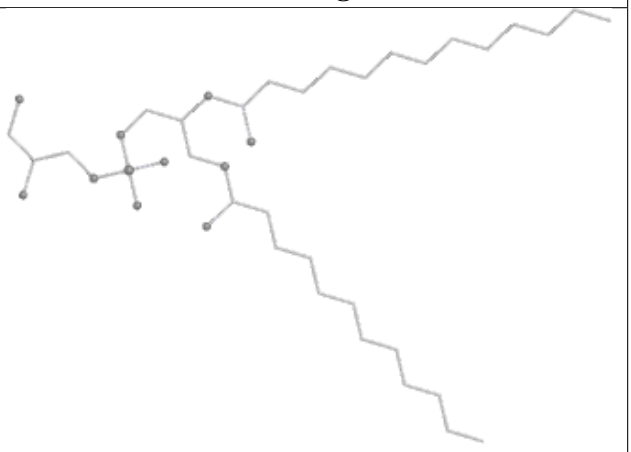
Bond lengths



Bond angles

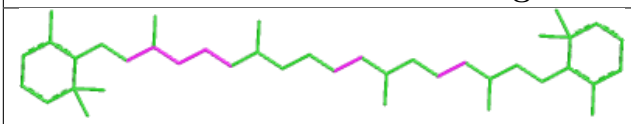


Torsions



Rings

Ligand BCR A 4003



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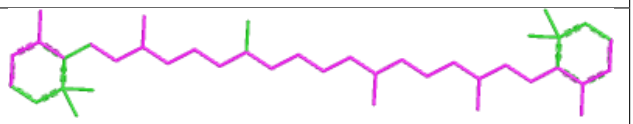
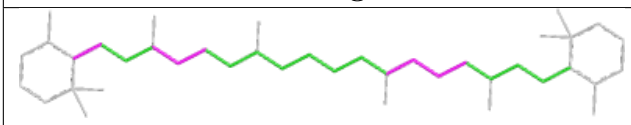
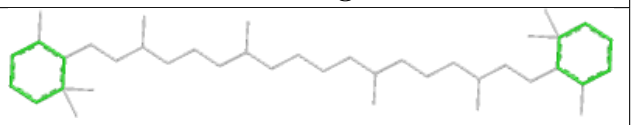


Bond angles

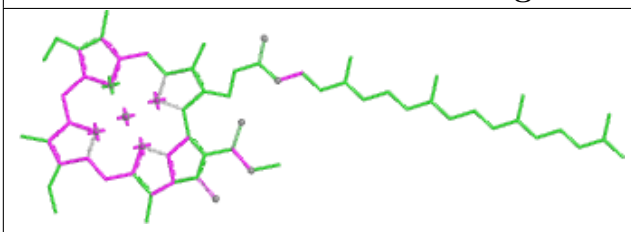


Torsions

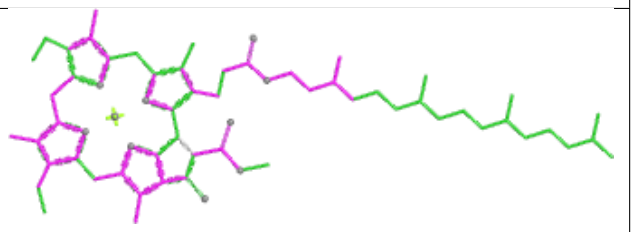


Rings

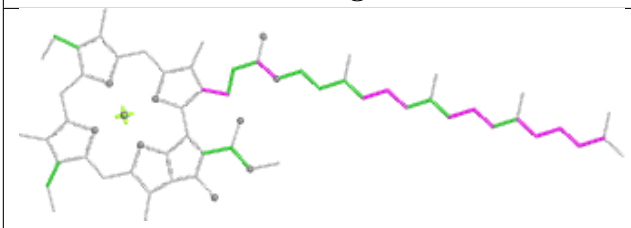
Ligand CLA H 1211



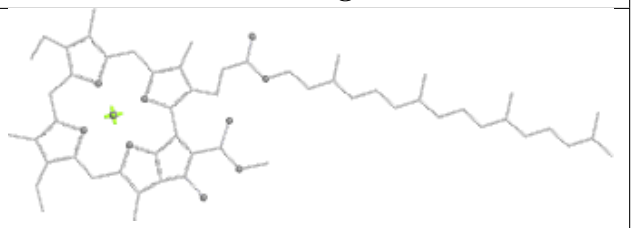
Bond lengths



Bond angles

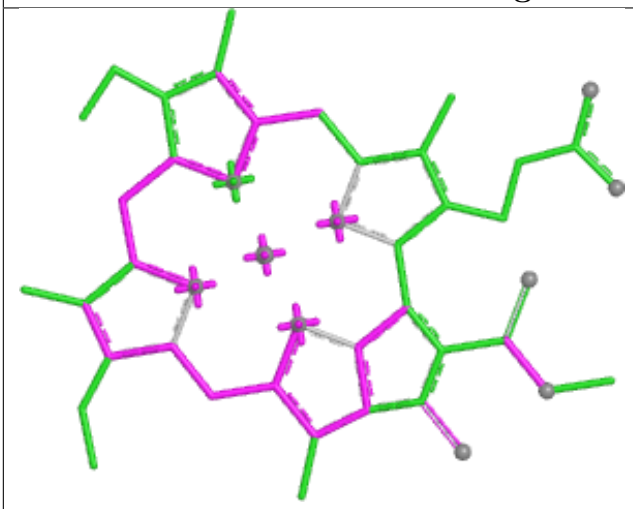


Torsions



Rings

Ligand CLA G 1108



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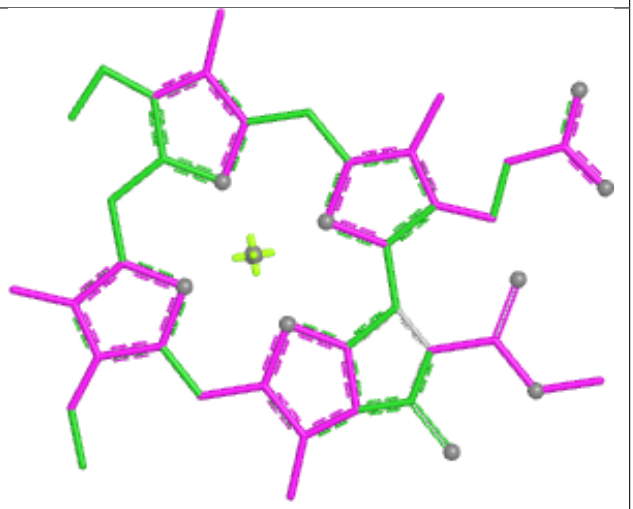
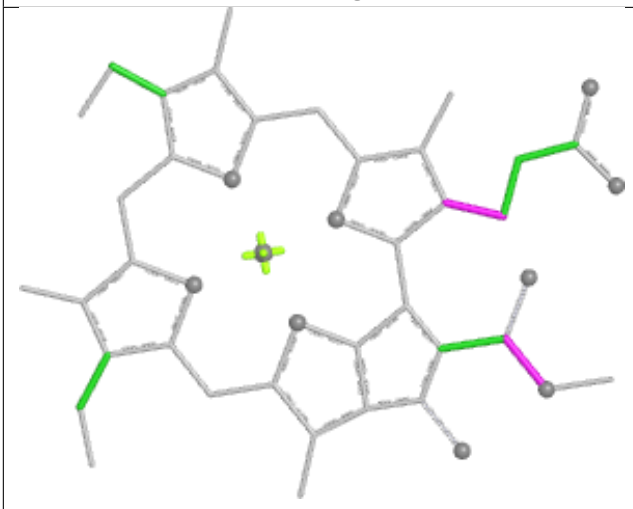


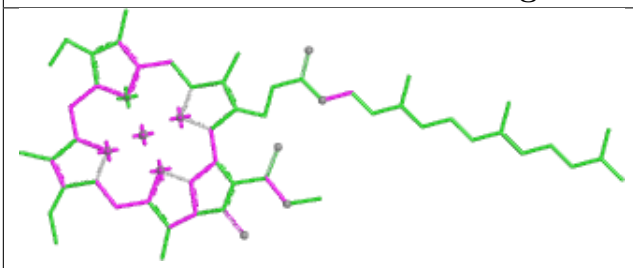
Bond angles



Torsions

Rings

Ligand CLA a 1133



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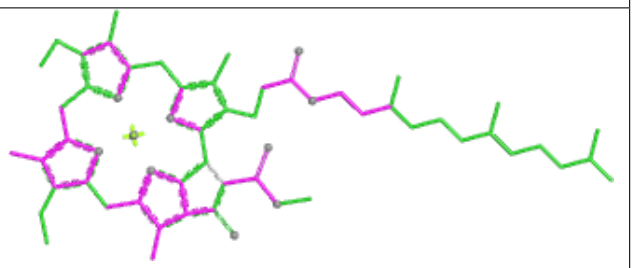
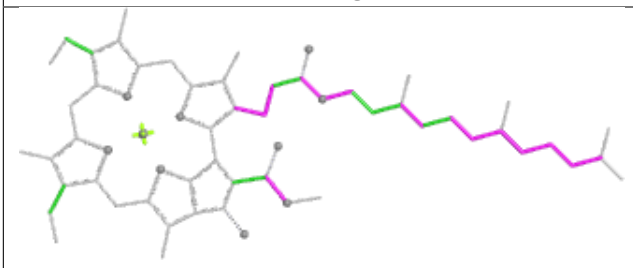
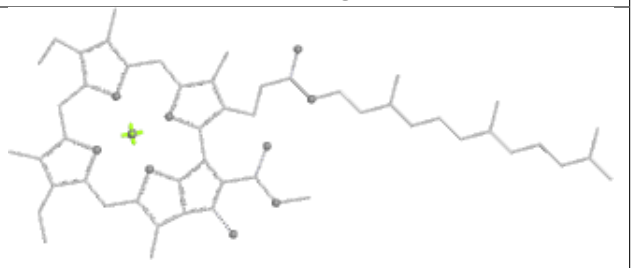


Bond angles

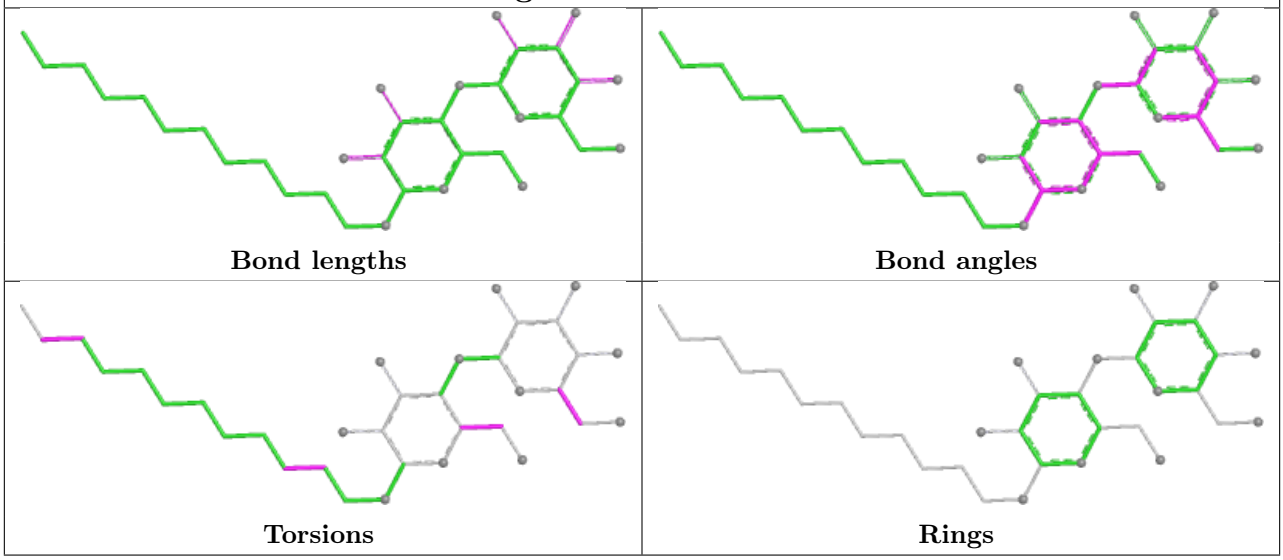


Torsions

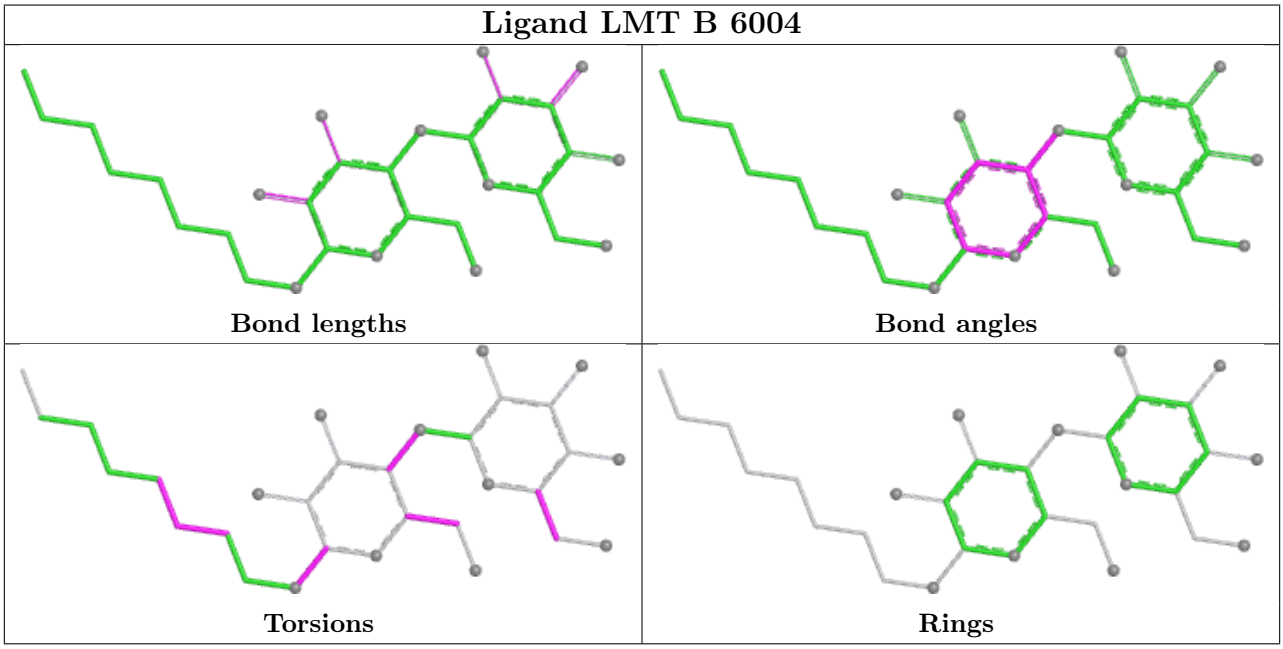


Rings

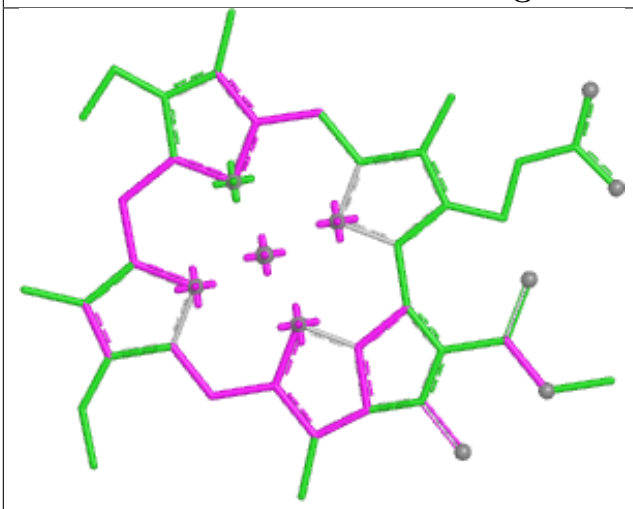
Ligand LMT L 6002



Ligand LMT B 6004



Ligand CLA G 1110



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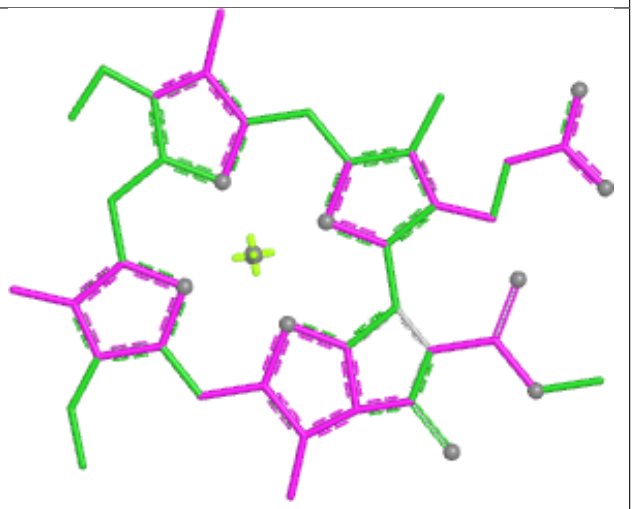
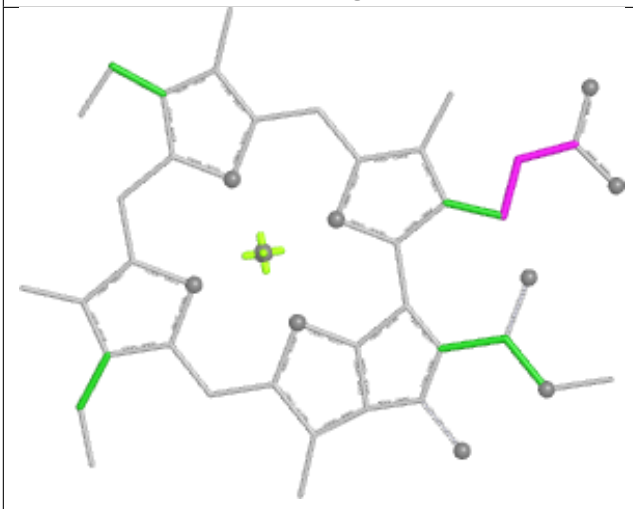


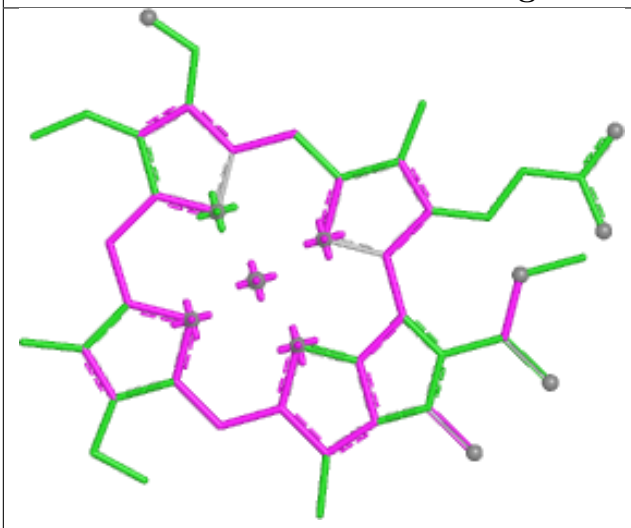
Bond angles



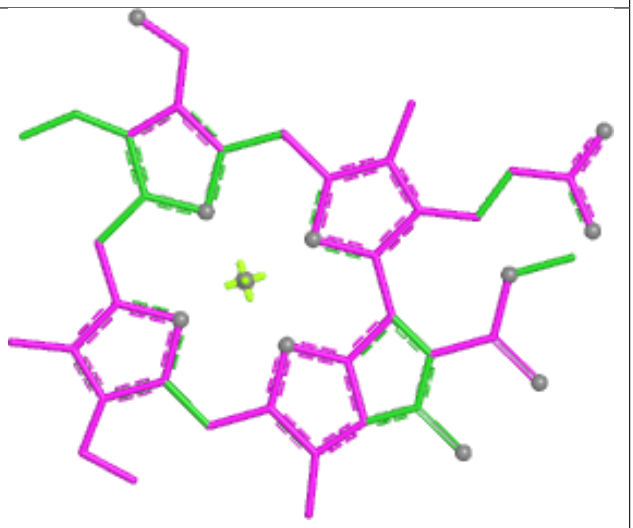
Torsions

Rings

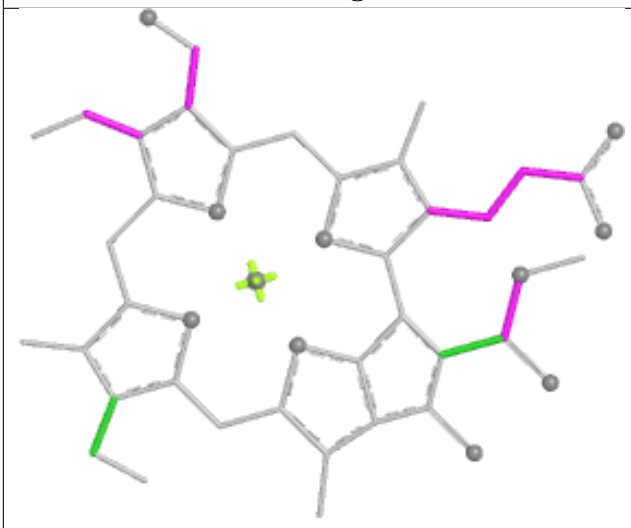
Ligand F6C G 1121



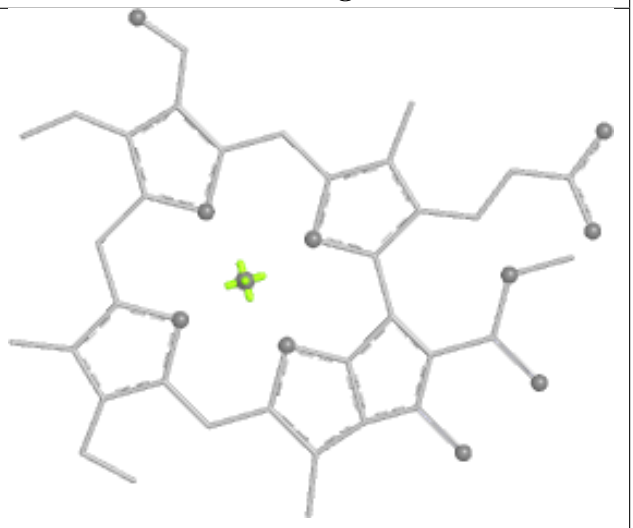
Bond lengths



Bond angles

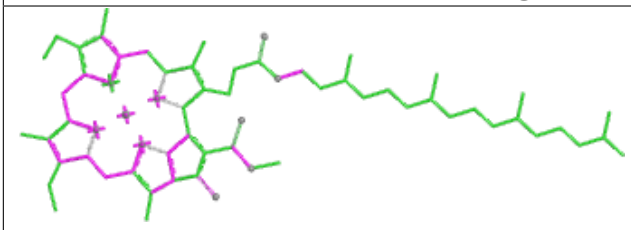


Torsions



Rings

Ligand CLA B 1204



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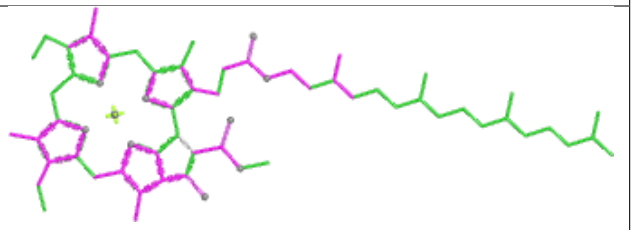
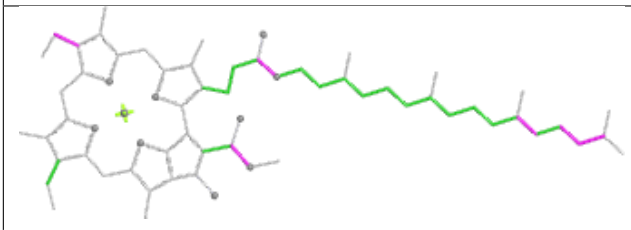


Bond angles



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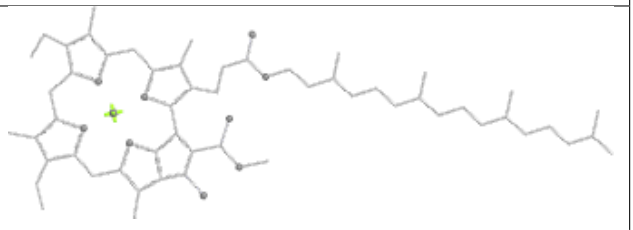
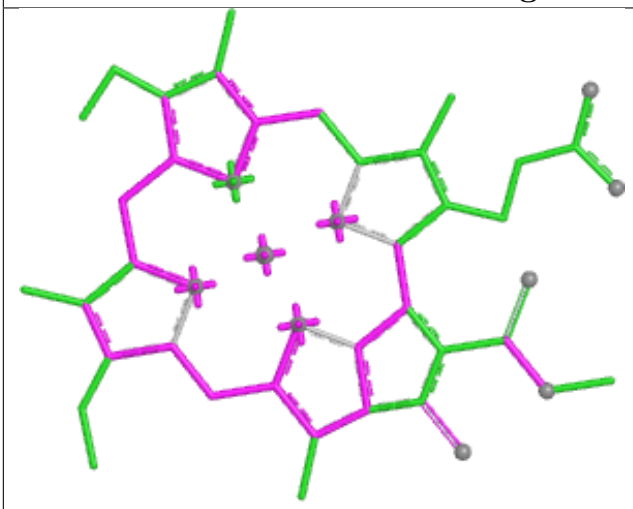


Rings

Ligand CLA a 1139



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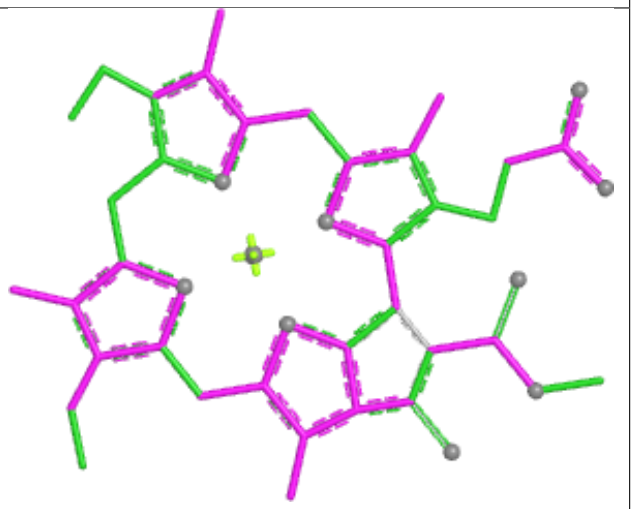
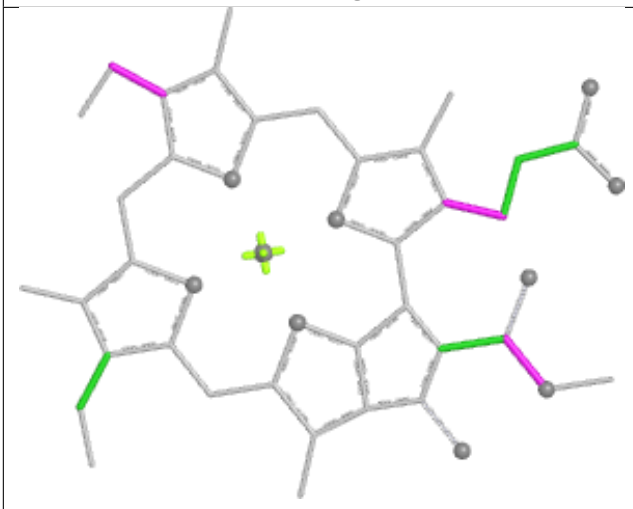


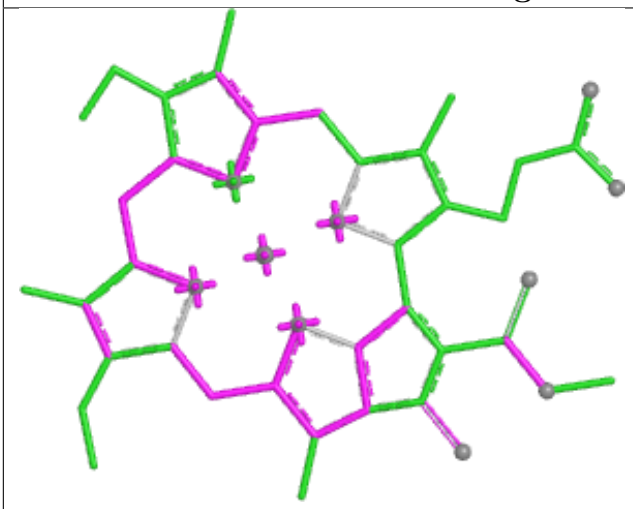
Bond angles



Torsions

Rings

Ligand CLA G 1105



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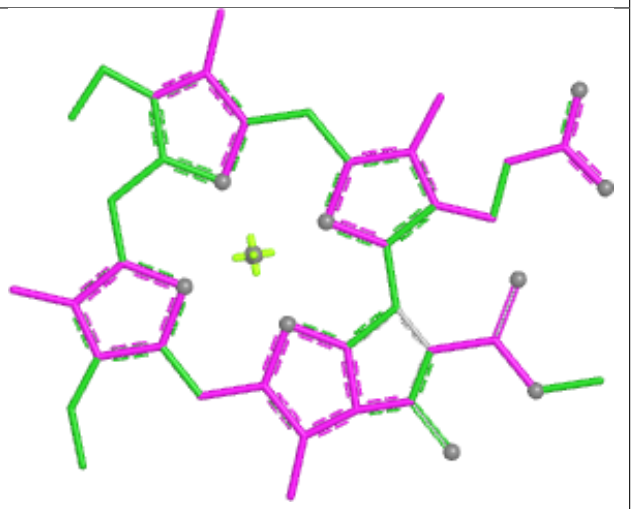
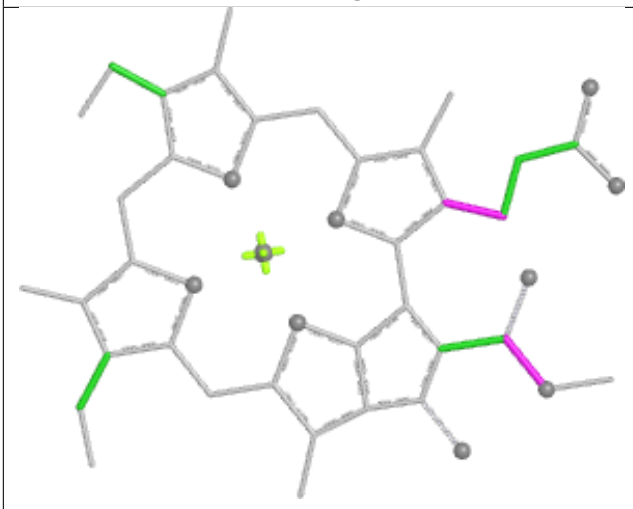


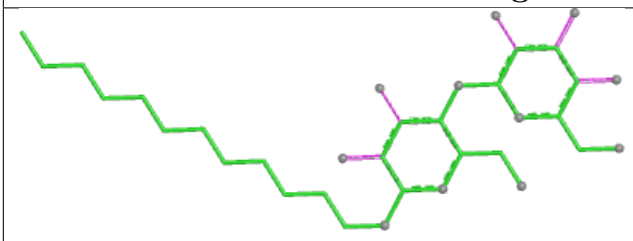
Bond angles



Torsions

Rings

Ligand LMT U 6002



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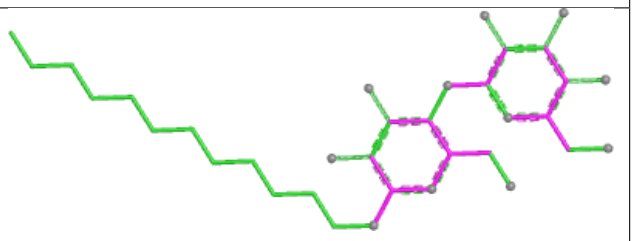
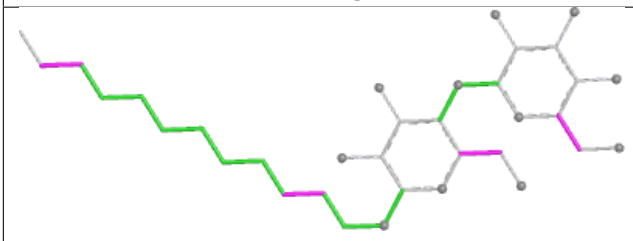
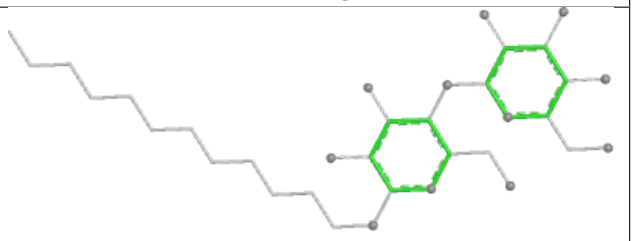


Bond angles

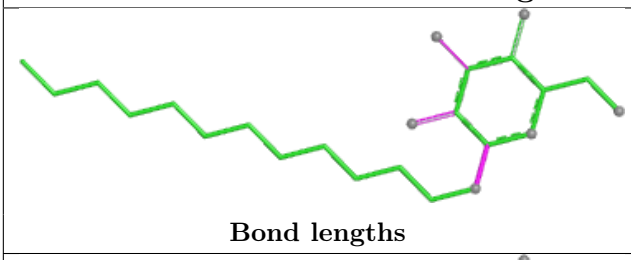


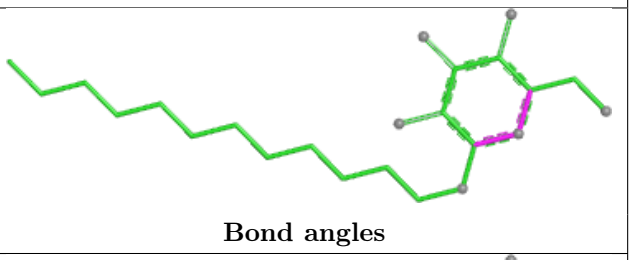
Torsions

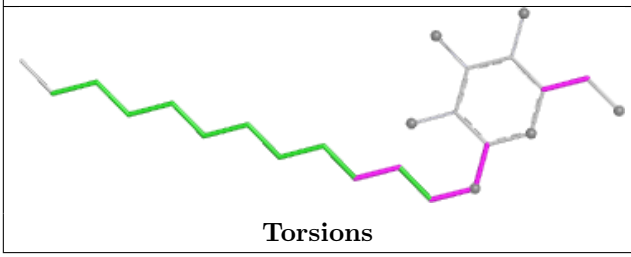


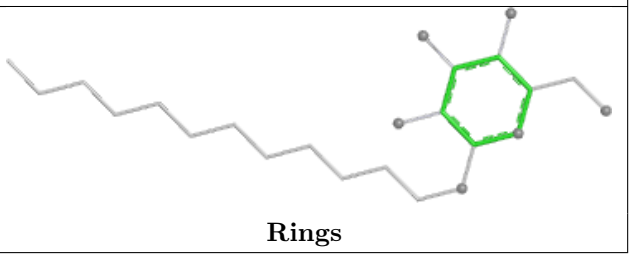
Rings

Ligand LMT a 6004

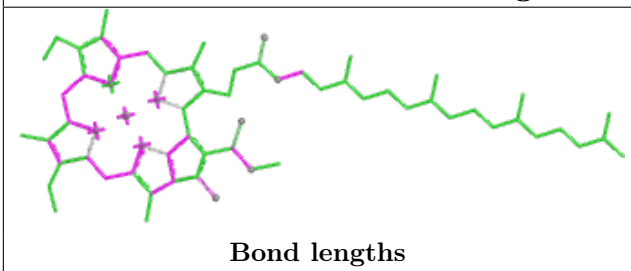

Bond lengths

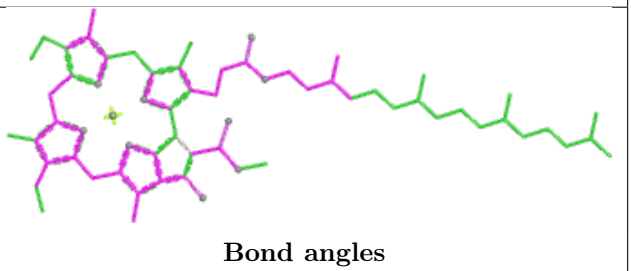

Bond angles

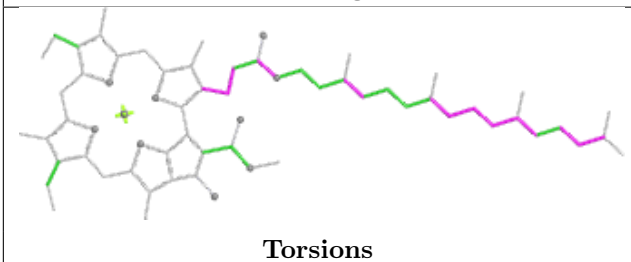

Torsions

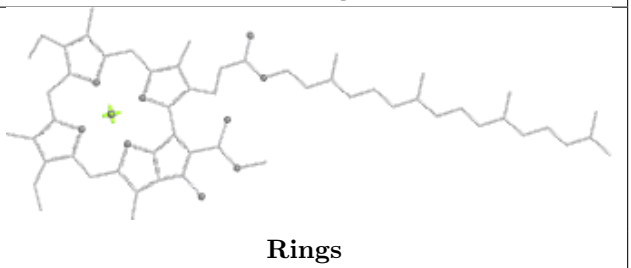

Rings

Ligand CLA A 1125

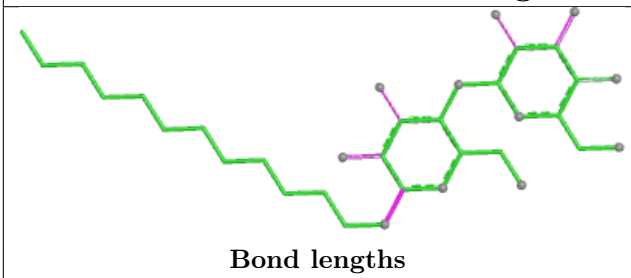

Bond lengths


Bond angles


Torsions


Rings

Ligand LMT L 6101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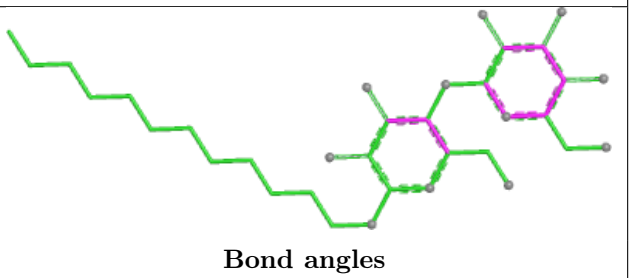
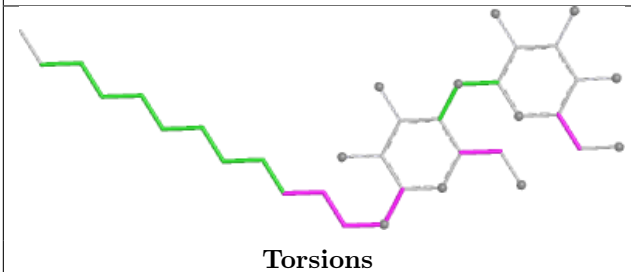
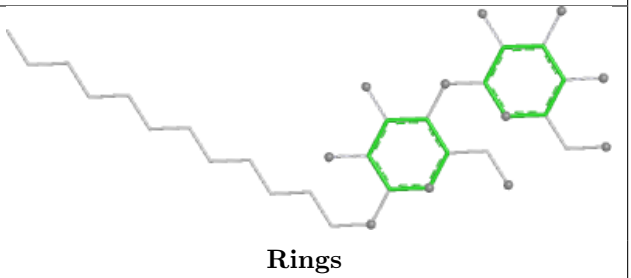
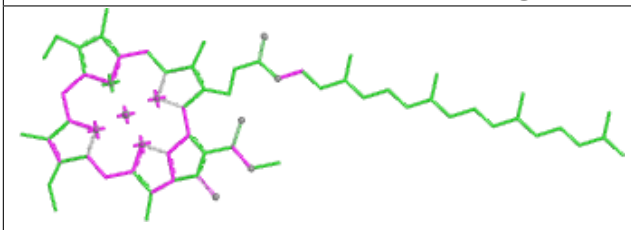

Bond angles


Torsions


Rings

Ligand CLA B 1206



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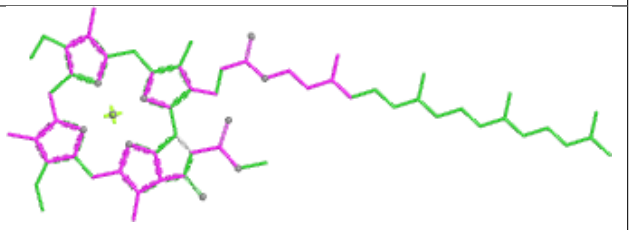
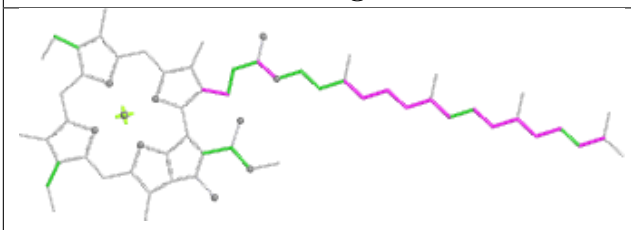
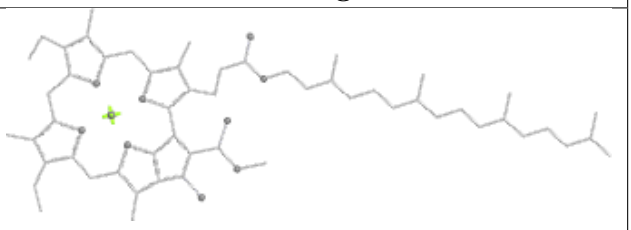


Bond angles

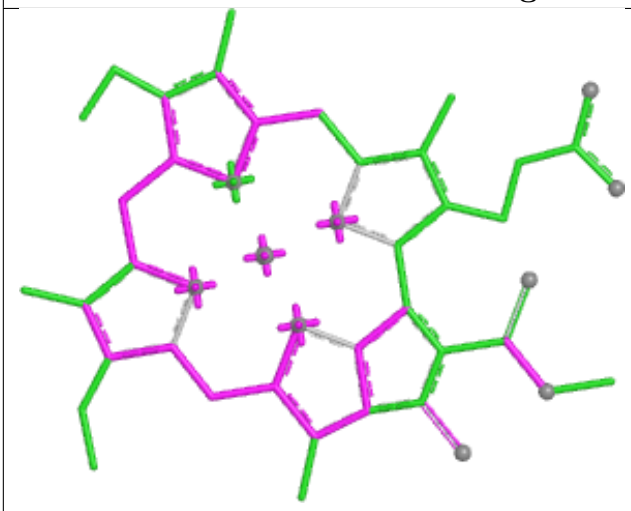


Torsions



Rings

Ligand CLA a 1114



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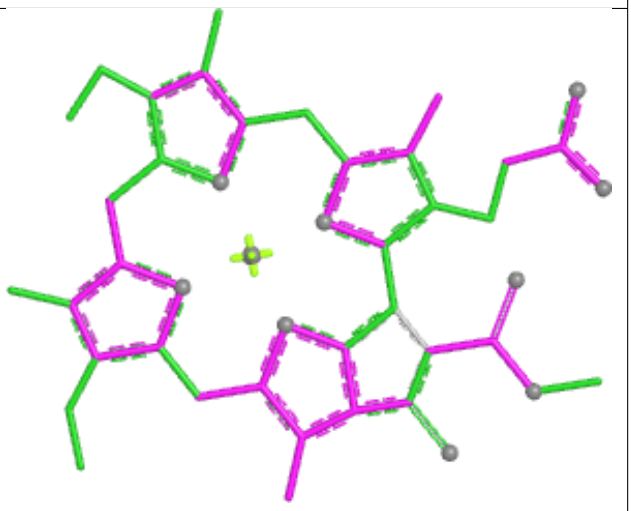
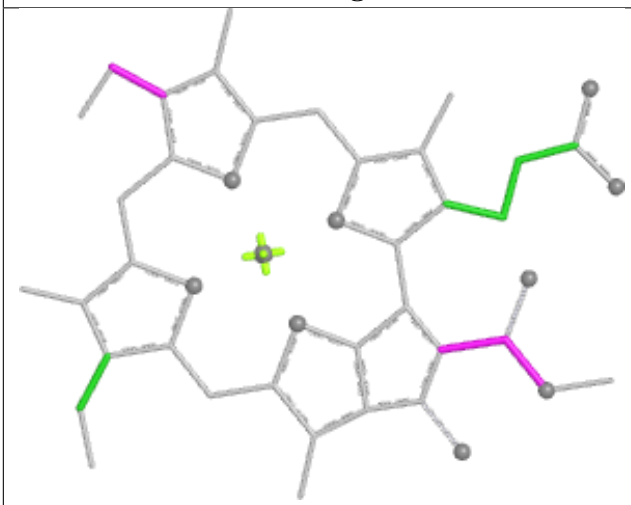
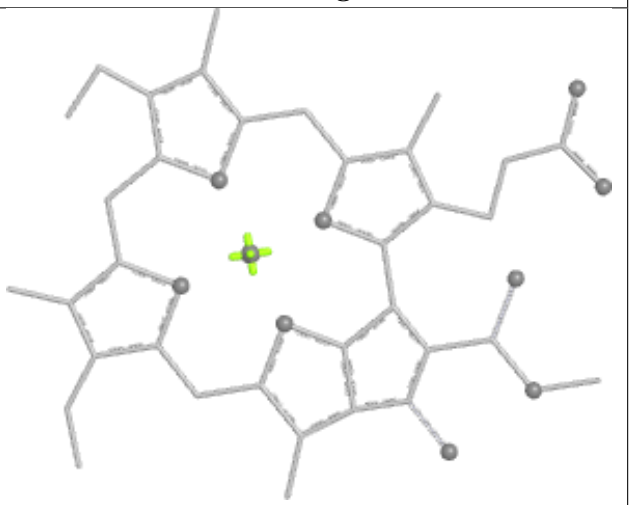


Bond angles

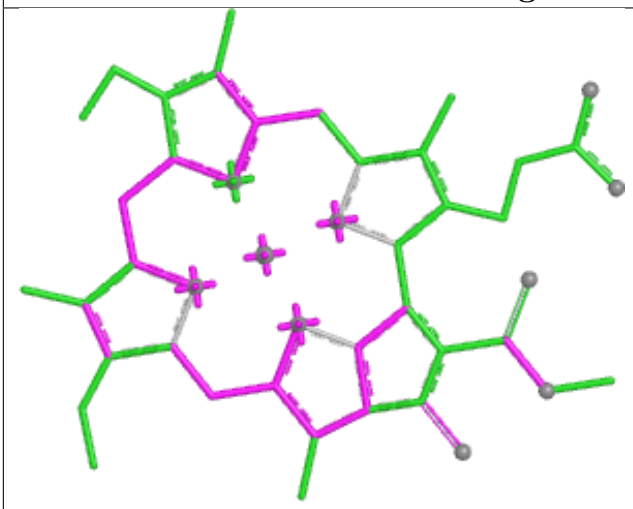


Torsions



Rings

Ligand CLA b 1227



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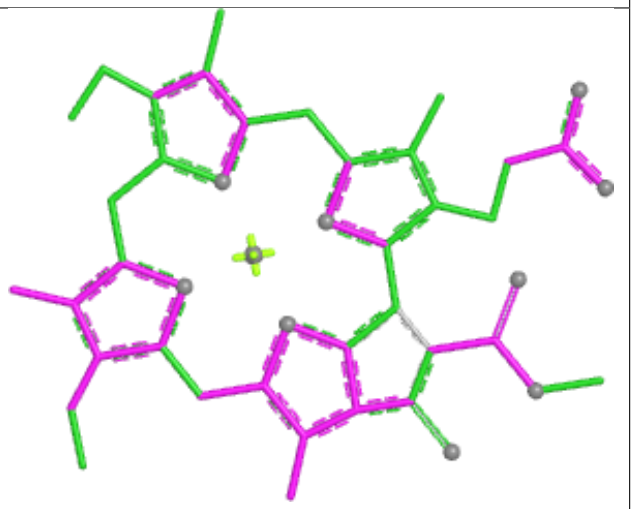
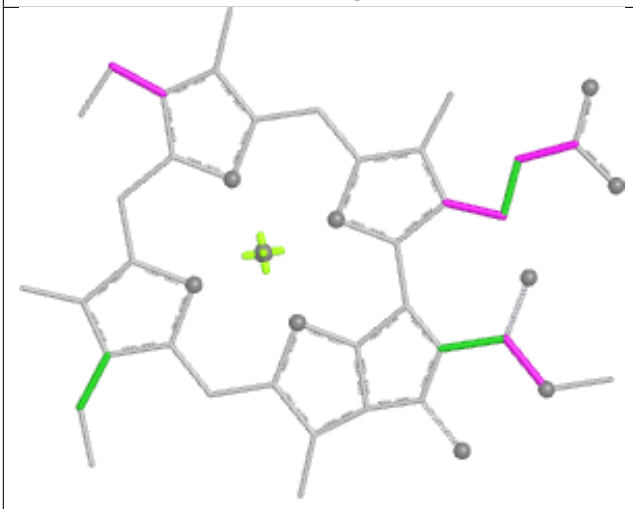


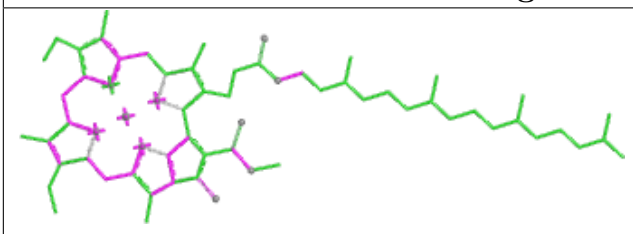
Bond angles



Torsions

Rings

Ligand CLA L 1501



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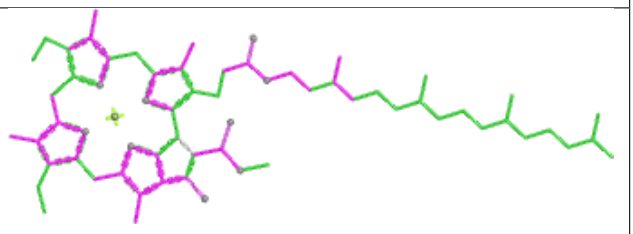
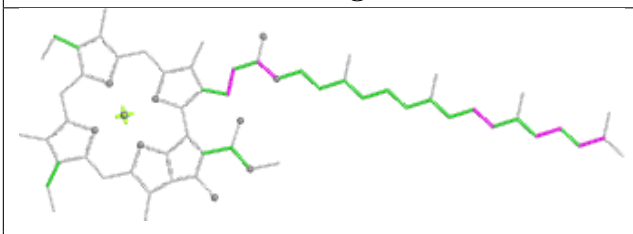
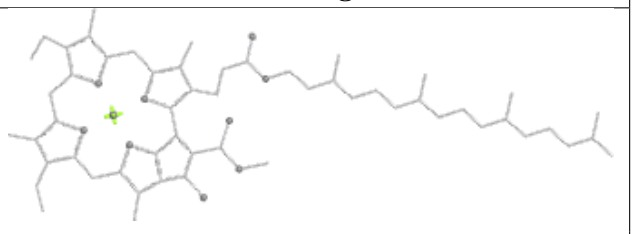


Bond angles

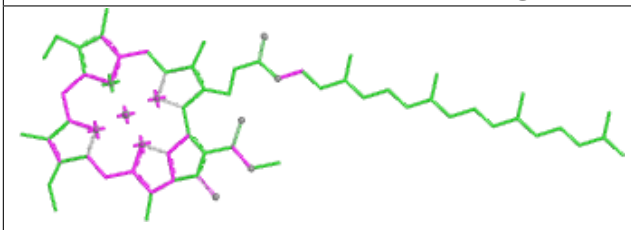


Torsions



Rings

Ligand CLA G 1103



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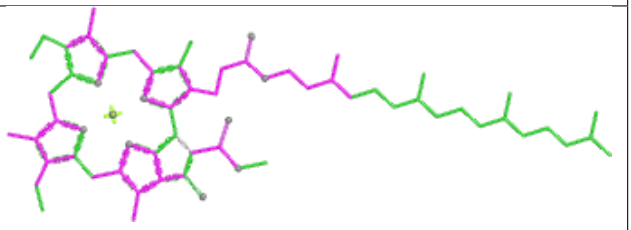
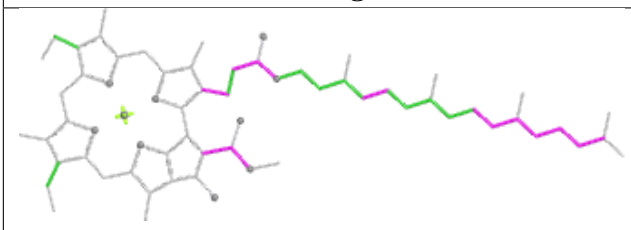


Bond angles



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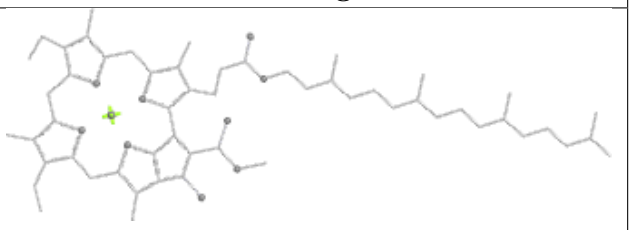
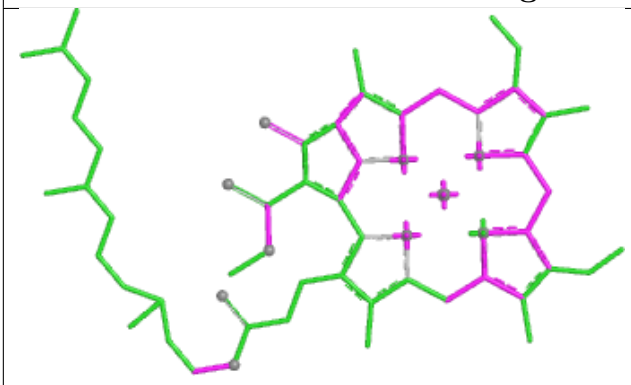


Rings

Ligand CLA a 1111



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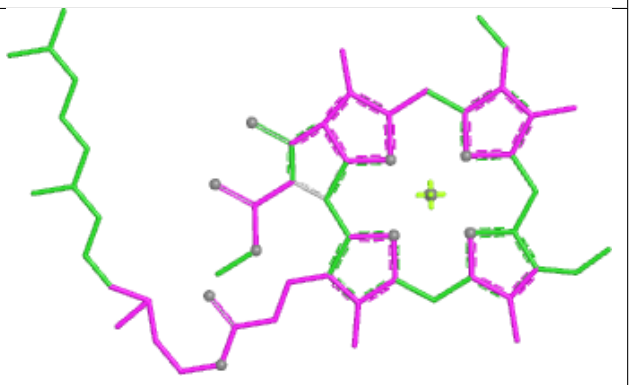
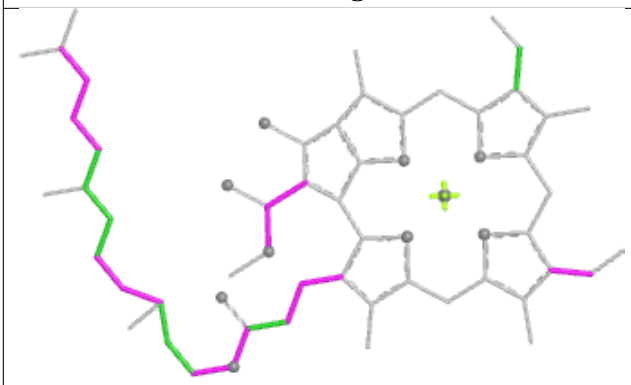


Bond angles



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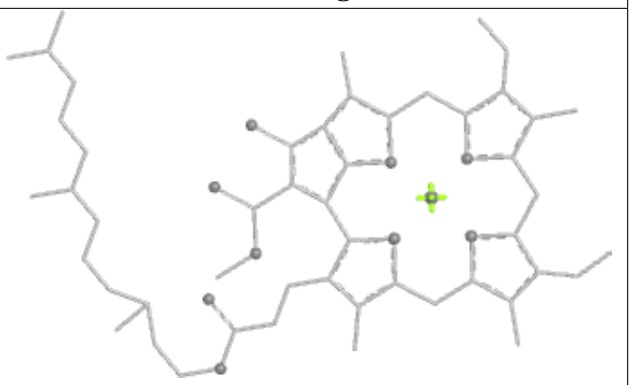
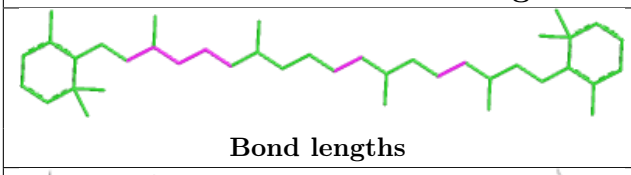


Rings

Ligand BCR H 4004



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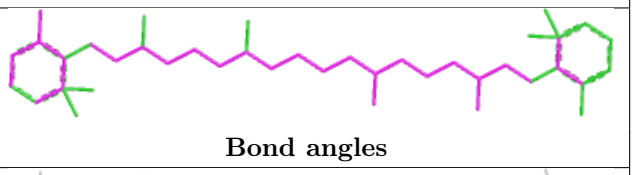
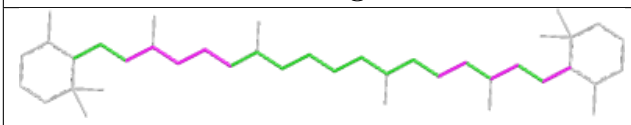


Bond angles



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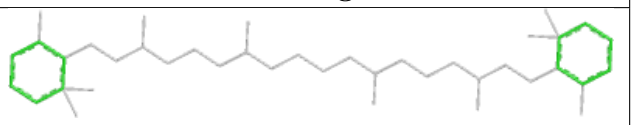
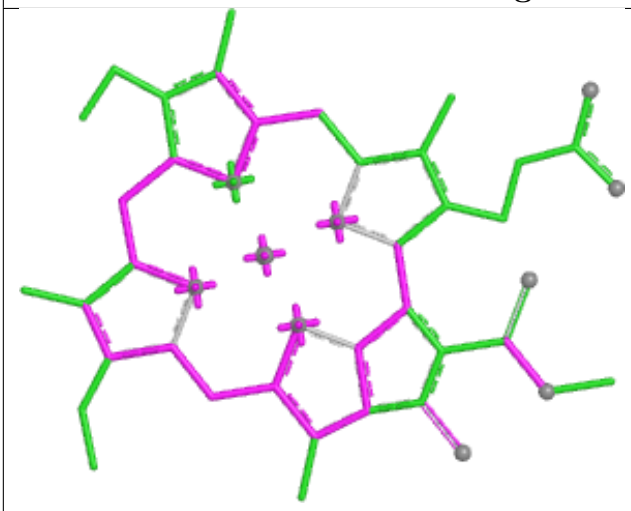


Rings

Ligand CLA K 1401



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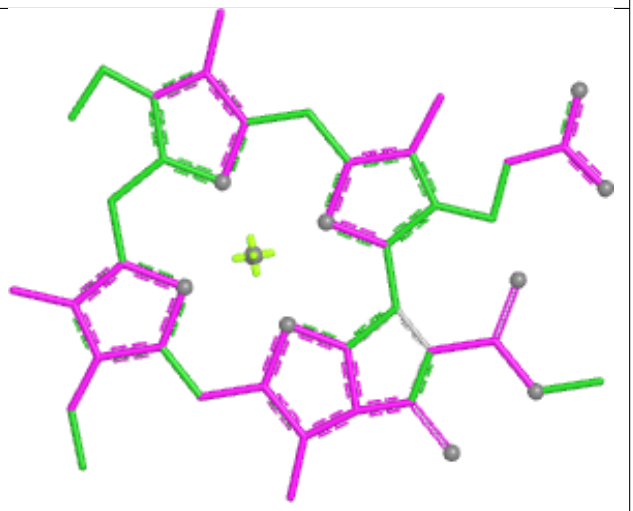
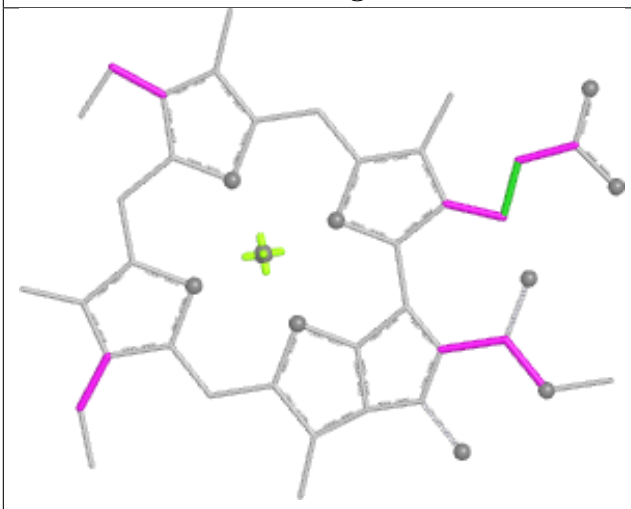


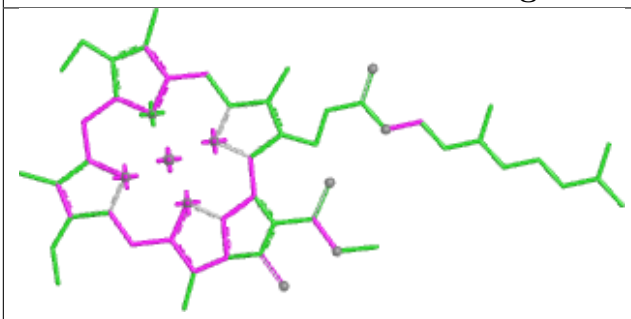
Bond angles



Torsions

Rings

Ligand CLA a 1138



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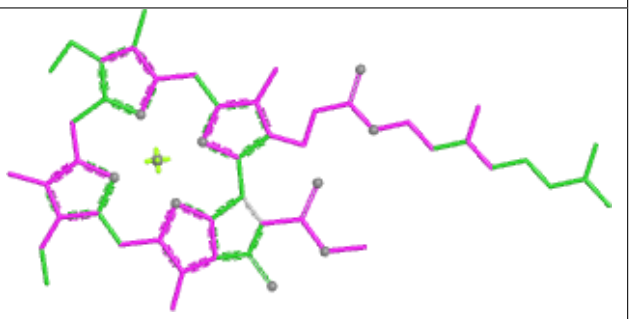
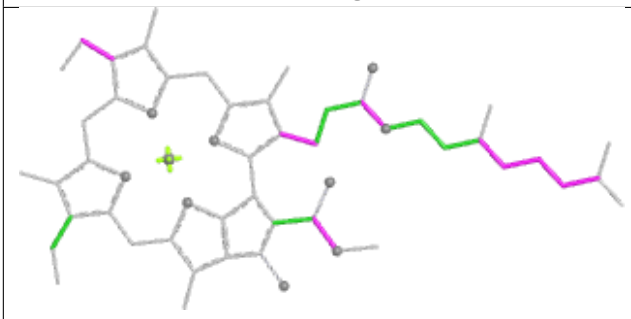
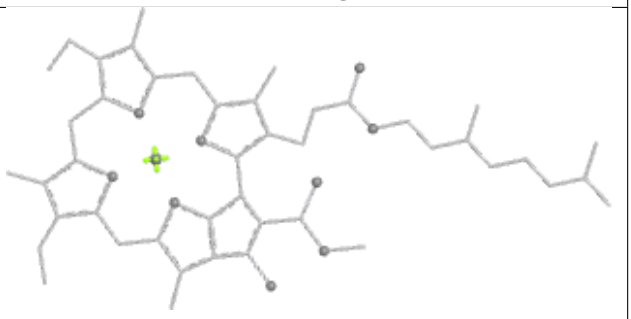


Bond angles

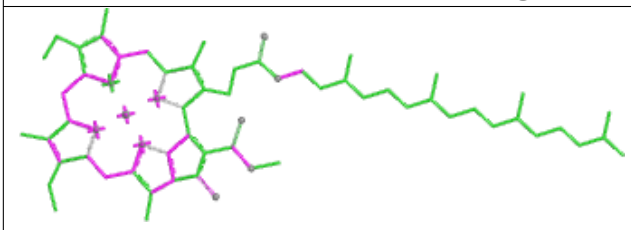


Torsions



Rings

Ligand CLA H 1205



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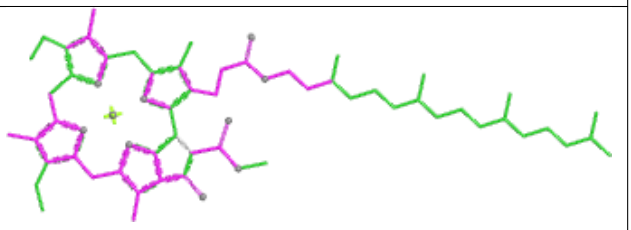
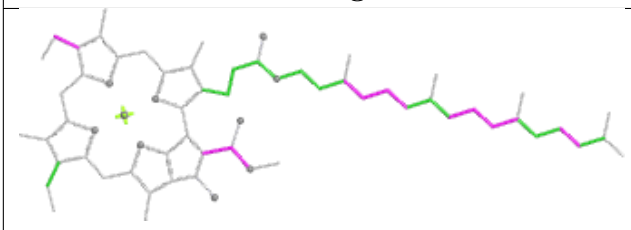


Bond angles



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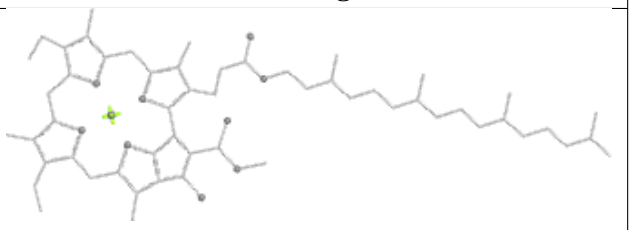
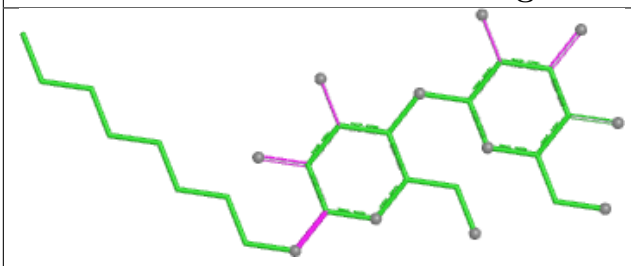


Rings

Ligand LMT a 6001



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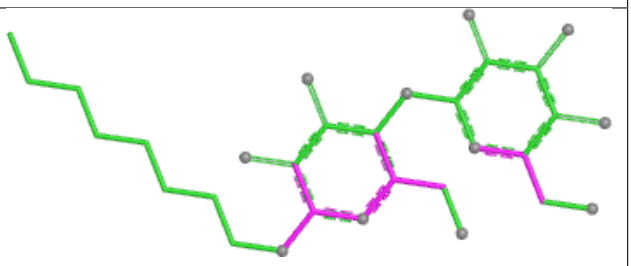
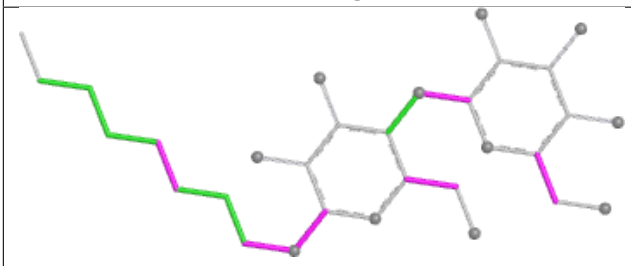
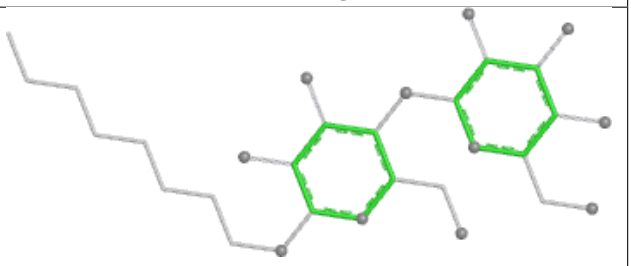


Bond angles

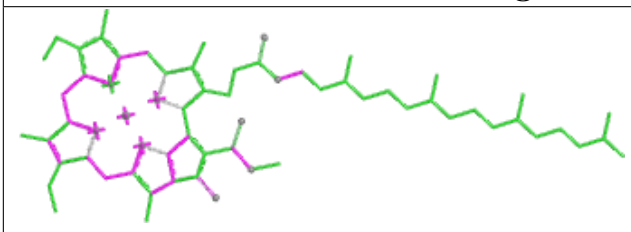


Torsions



Rings

Ligand CLA H 1225



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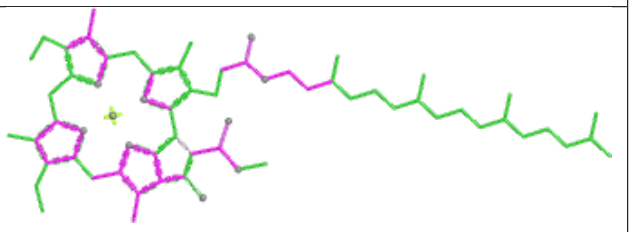
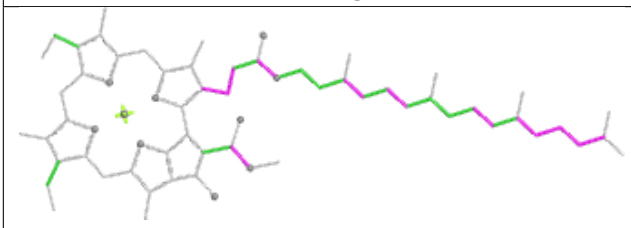
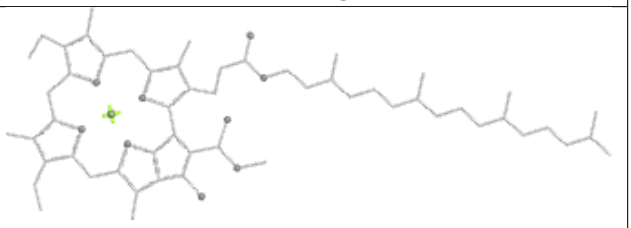


Bond angles

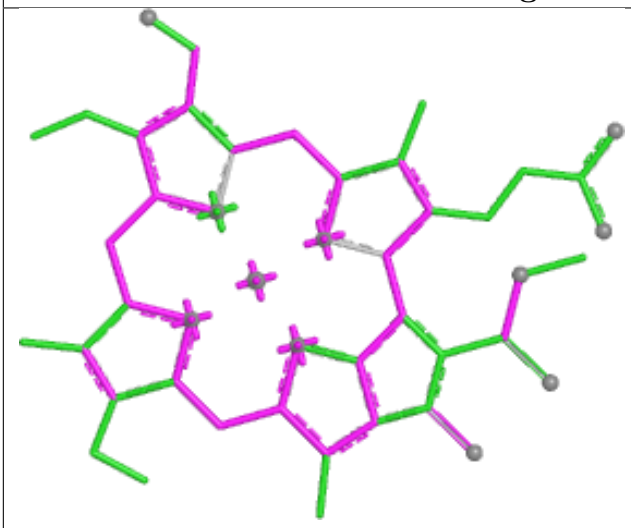


Torsions

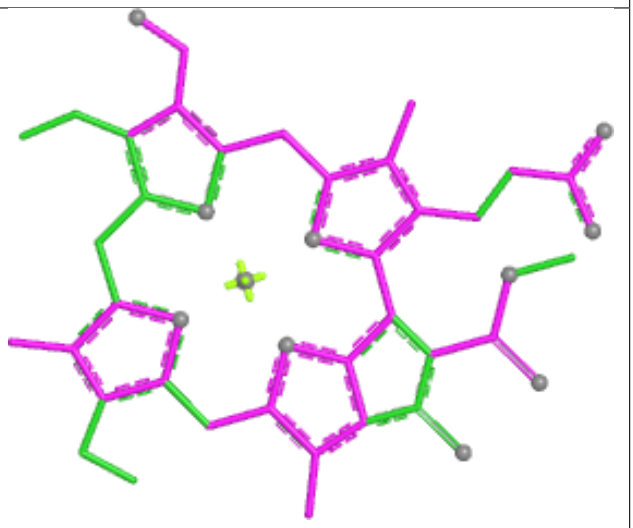


Rings

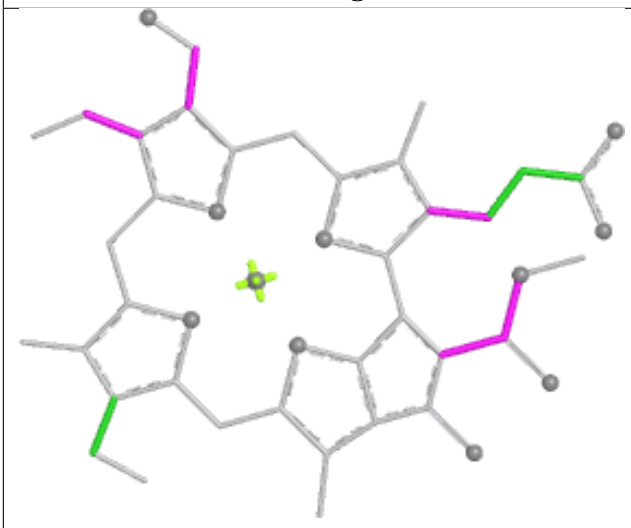
Ligand F6C B 1230



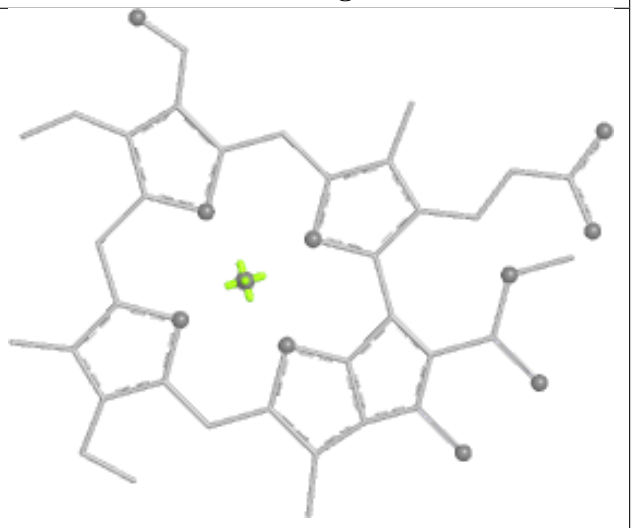
Bond lengths



Bond angles

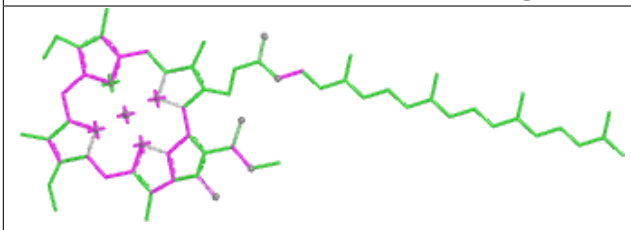


Torsions

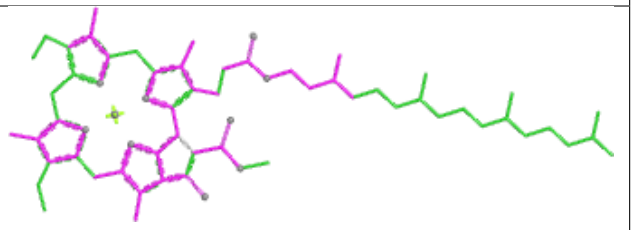


Rings

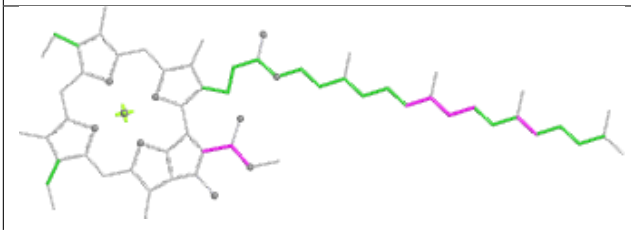
Ligand CLA b 1223



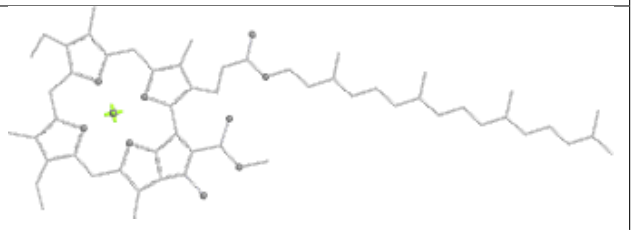
Bond lengths



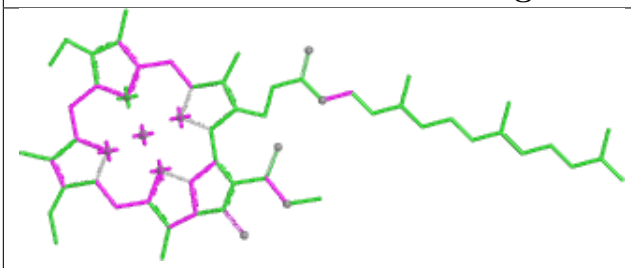
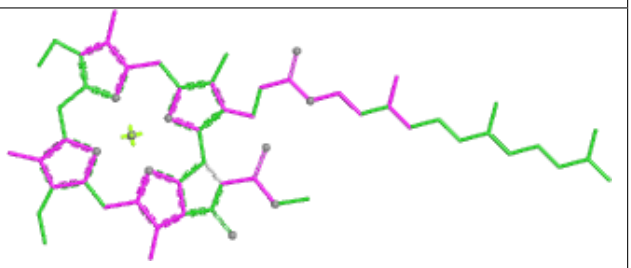
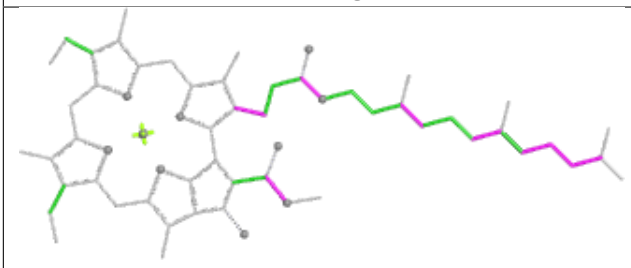
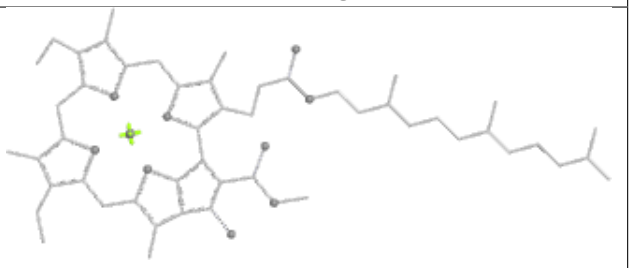
Bond angles

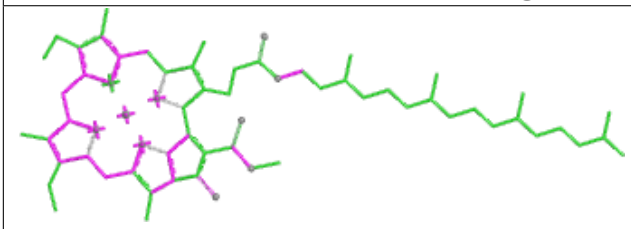
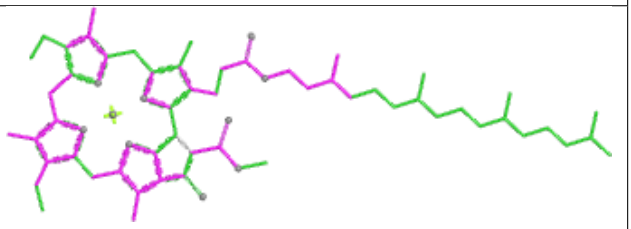
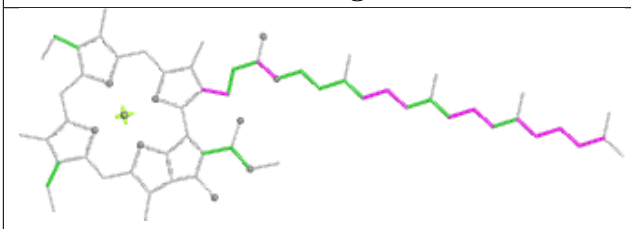
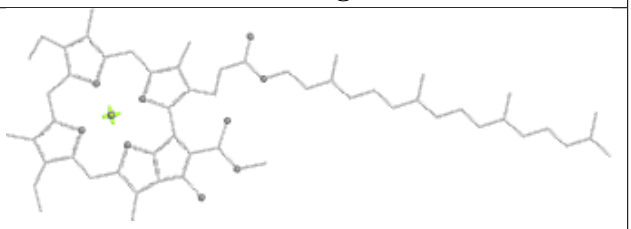


Torsions

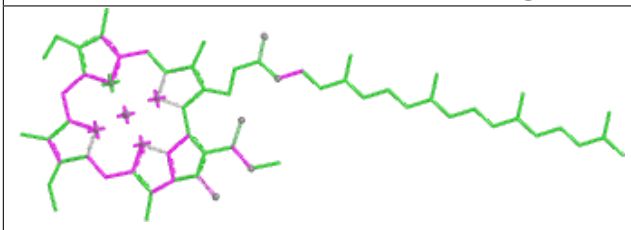


Rings

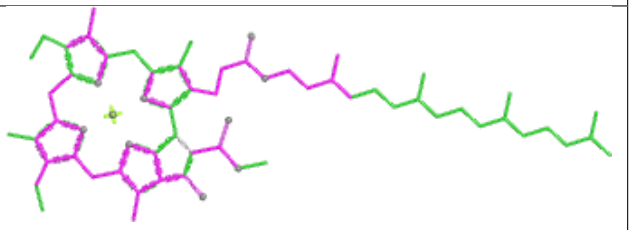
Ligand CLA A 1126	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA b 1211	
	
Bond lengths	Bond angles
	
Torsions	Rings

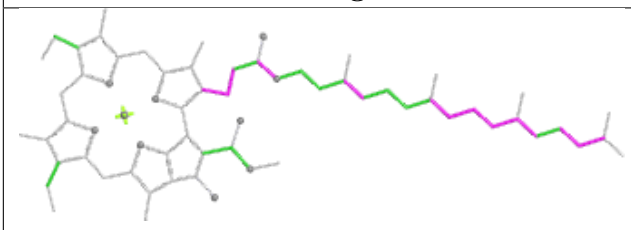
Ligand CLA a 1125



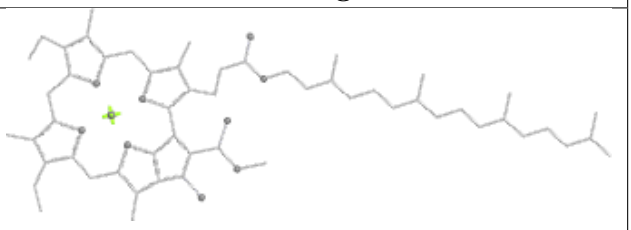
Bond lengths



Bond angles

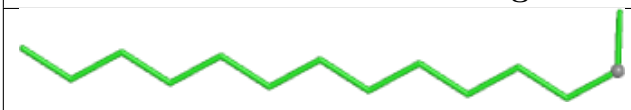


Torsions



Rings

Ligand LMT U 6001



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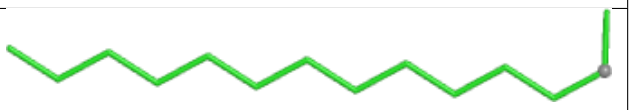
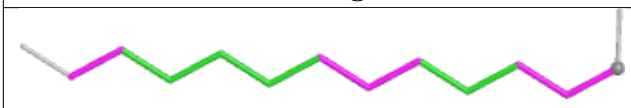


Bond angles



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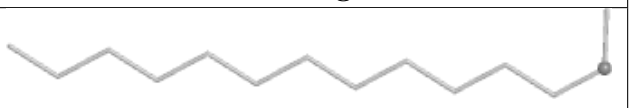
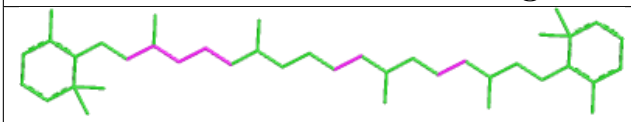
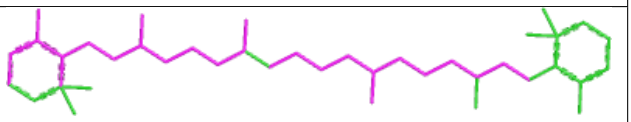


Rings

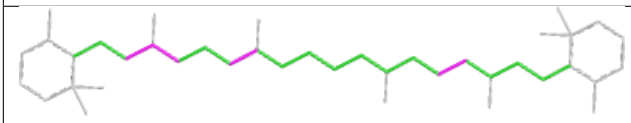
Ligand BCR l 4022



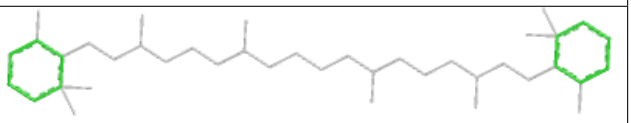
Bond lengths



Bond angles

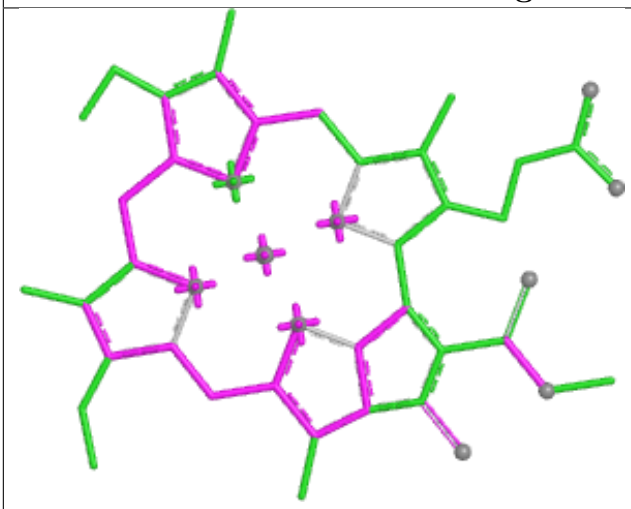


Torsions



Rings

Ligand CLA B 1233



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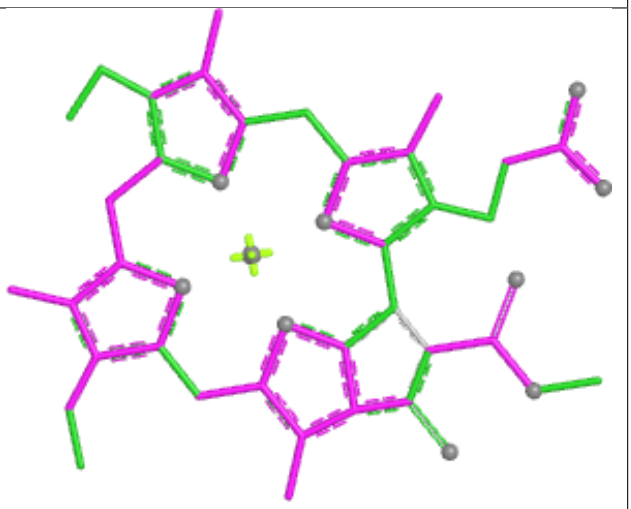
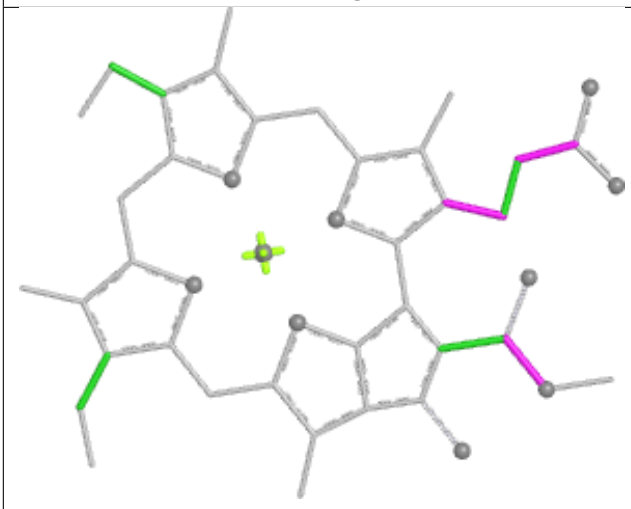


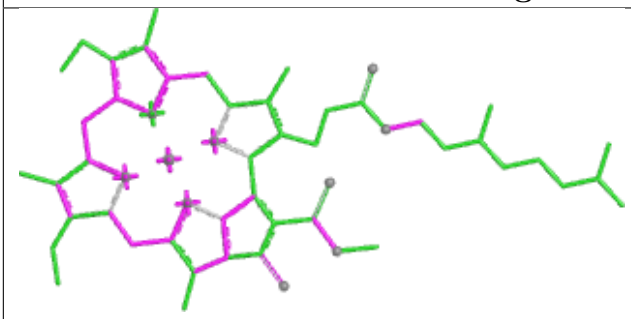
Bond angles



Torsions

Rings

Ligand CLA A 1140



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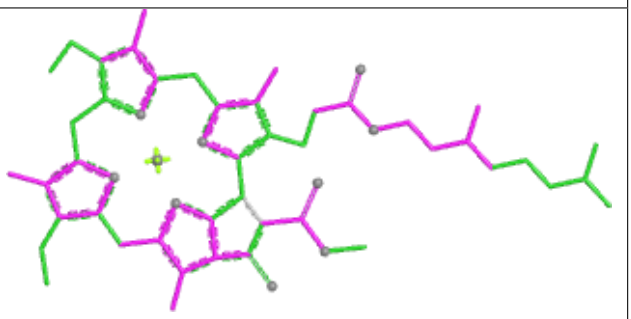
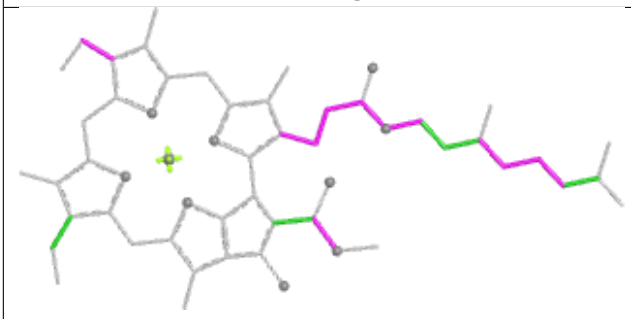
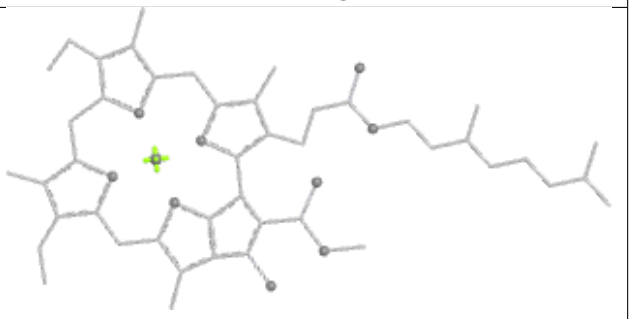


Bond angles

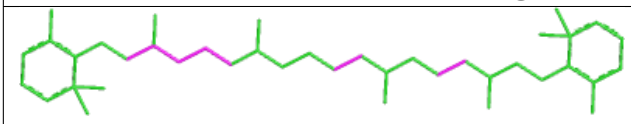


Torsions



Rings

Ligand BCR H 4014



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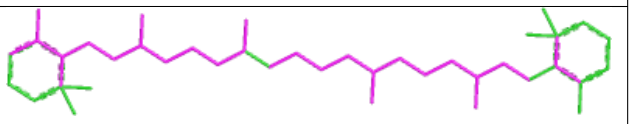
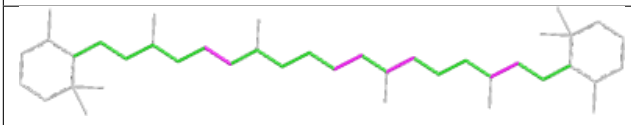
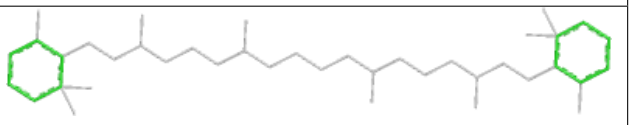


Bond angles

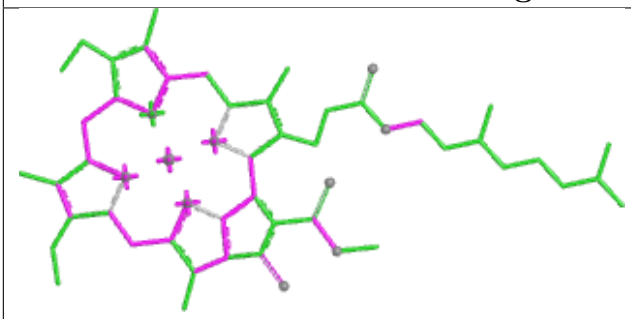


Torsions



Rings

Ligand CLA A 1122



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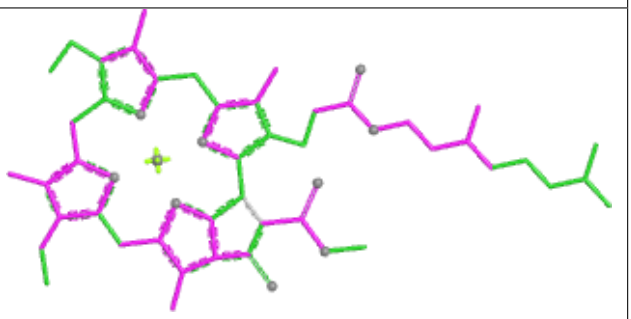
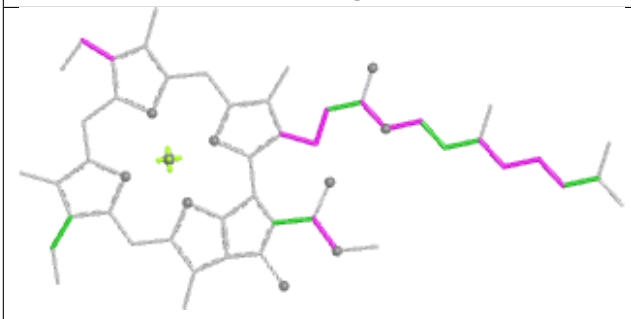
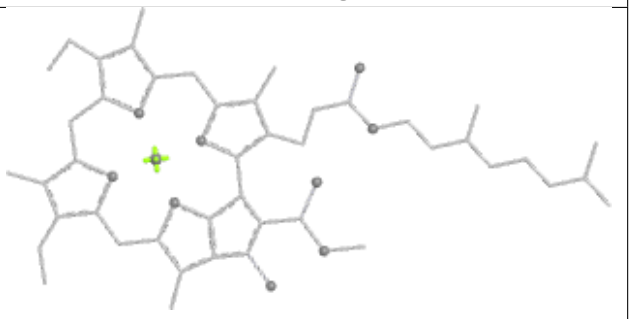


Bond angles

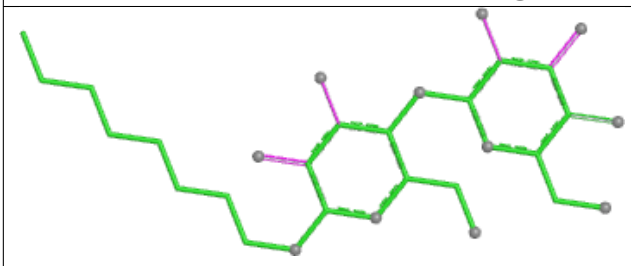


Torsions



Rings

Ligand LMT H 6004



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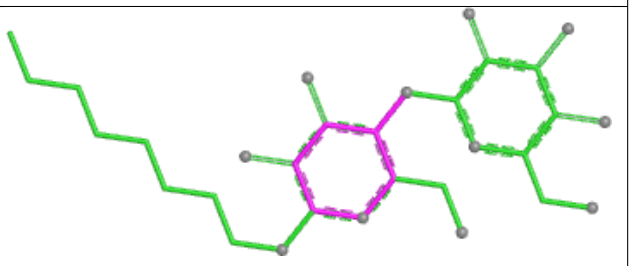
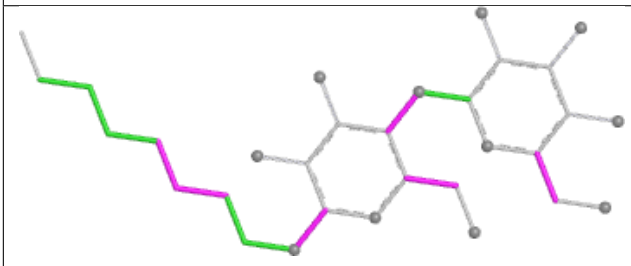
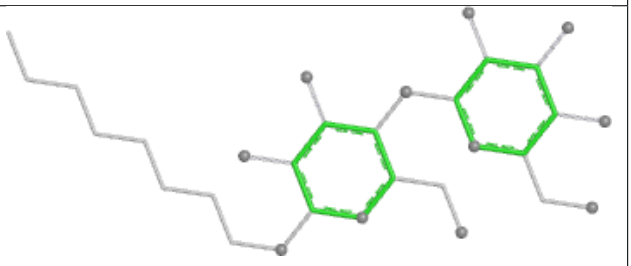


Bond angles

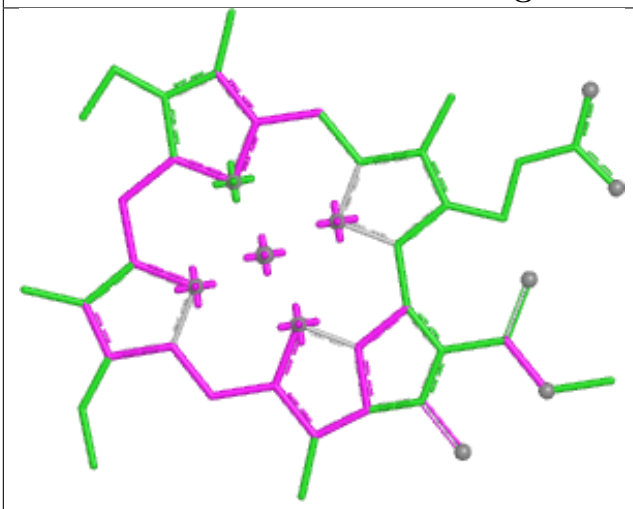


Torsions



Rings

Ligand CLA A 1105



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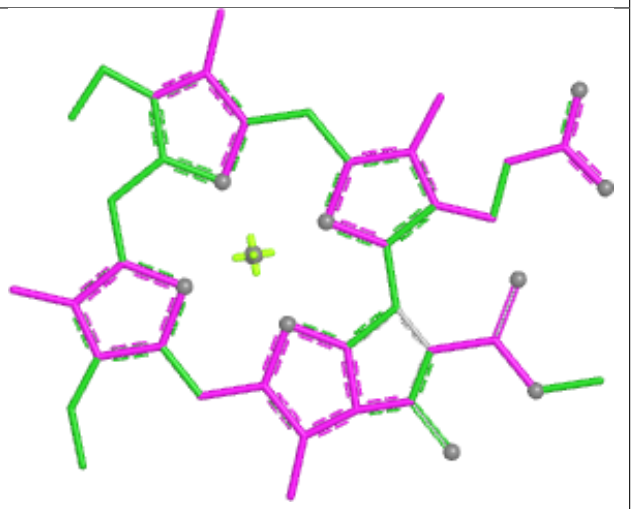
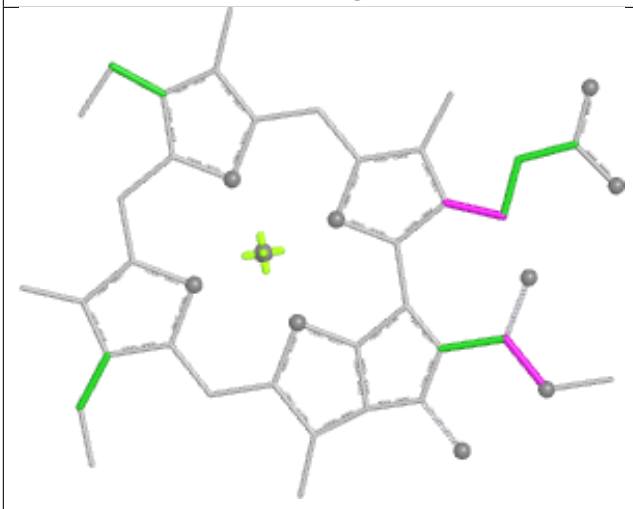


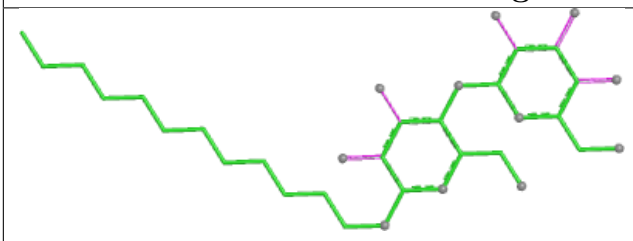
Bond angles



Torsions

Rings

Ligand LMT R 6001



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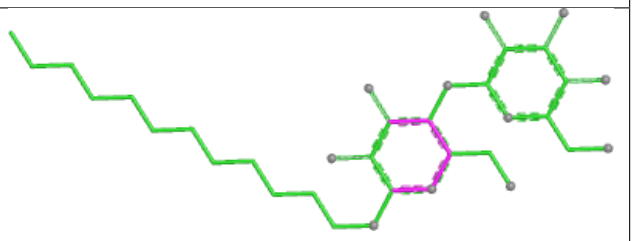
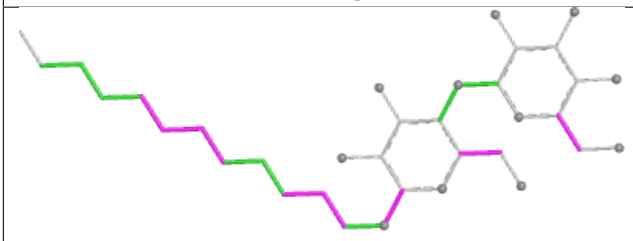
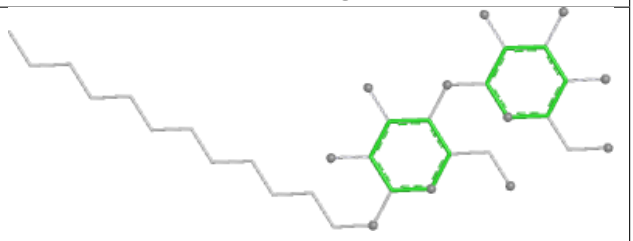


Bond angles

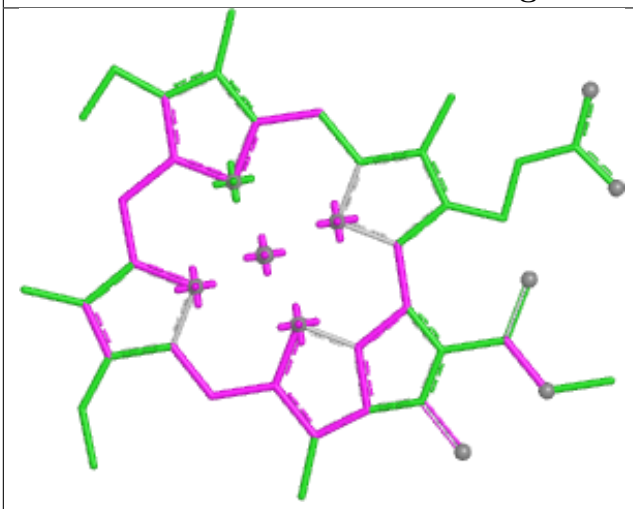


Torsions



Rings

Ligand CLA a 1134



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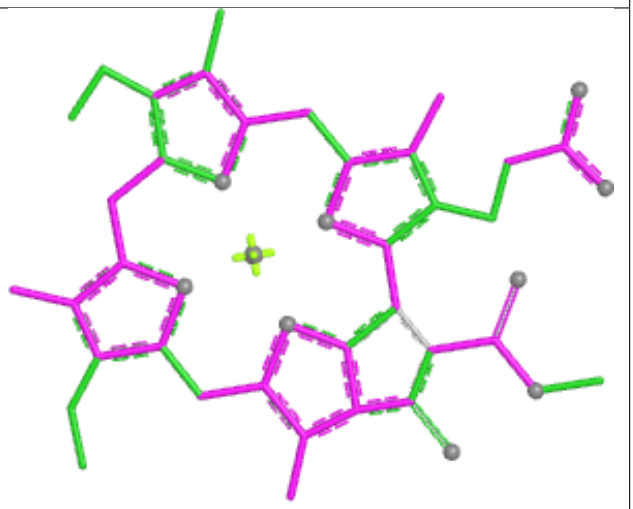
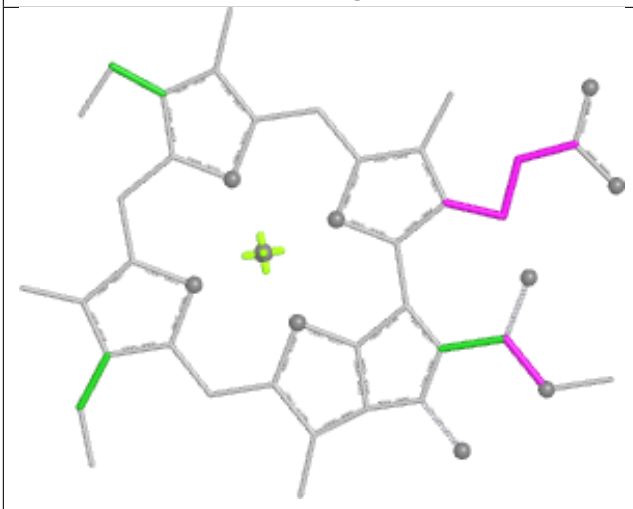


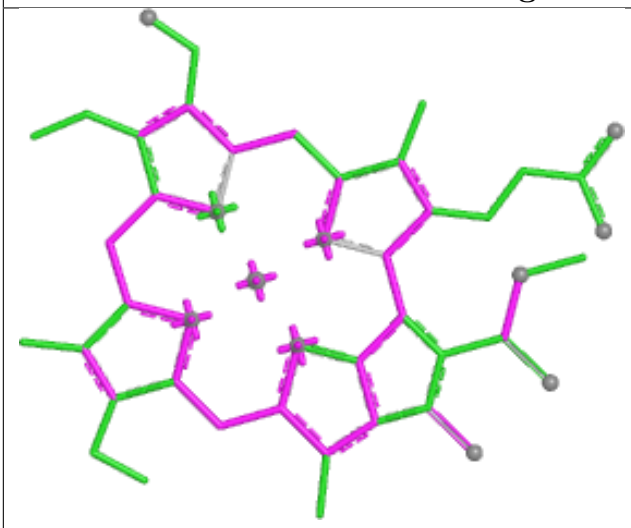
Bond angles



Torsions

Rings

Ligand F6C A 1121



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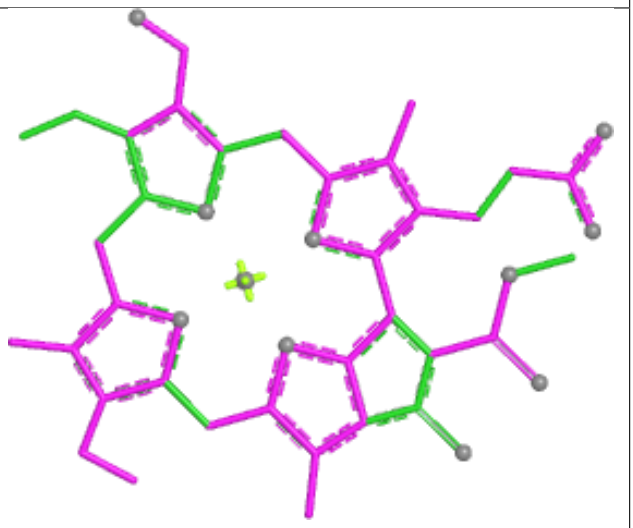
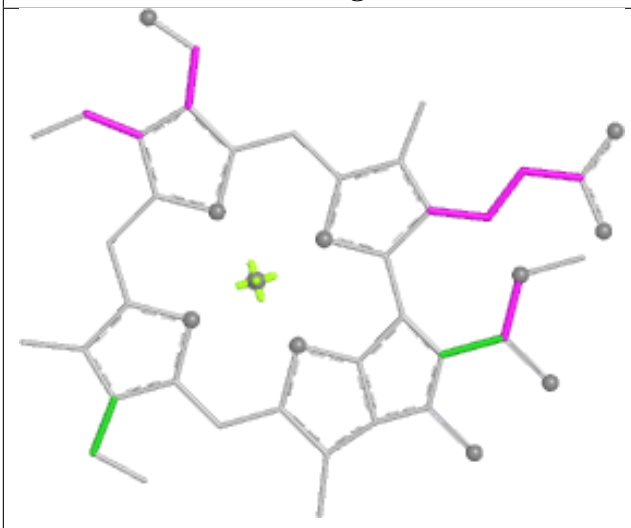
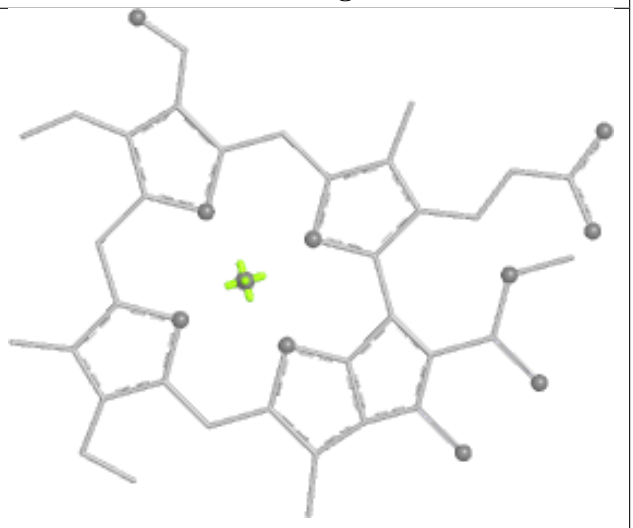


Bond angles

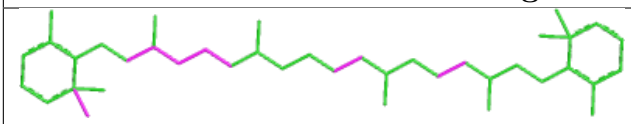


Torsions

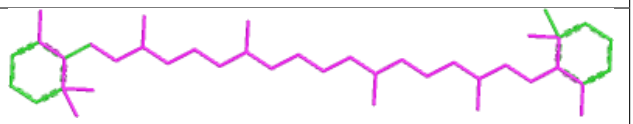


Rings

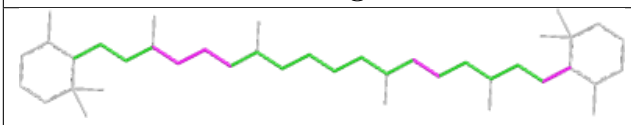
Ligand BCR i 4020



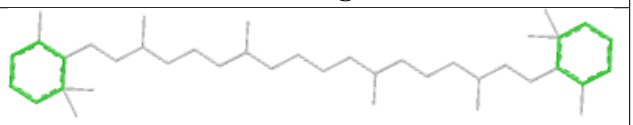
Bond lengths



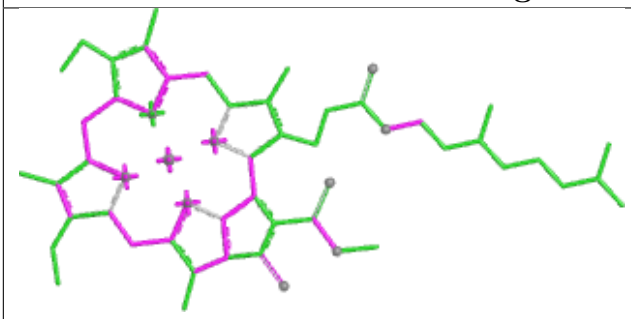
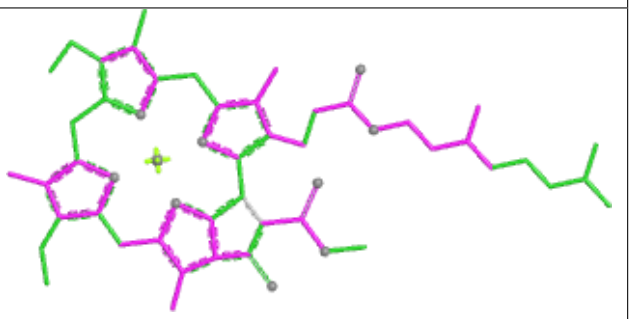
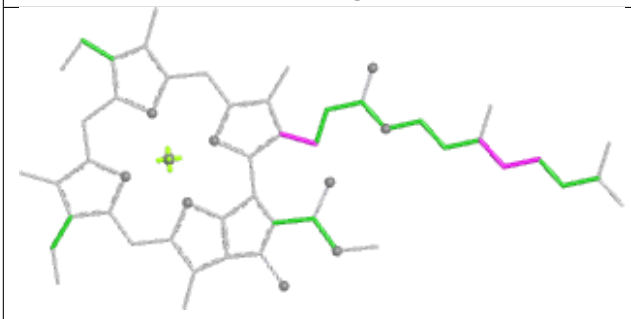
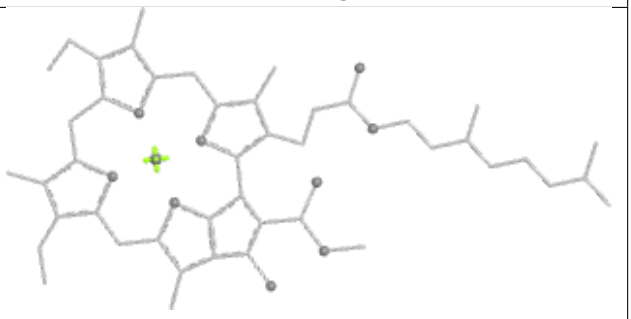
Bond angles

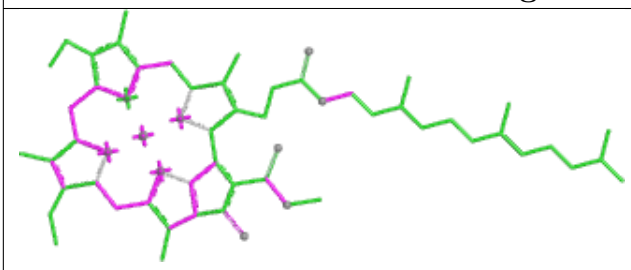
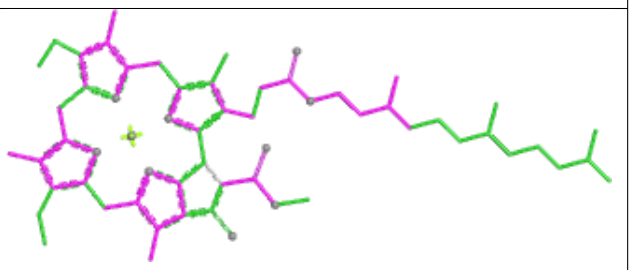
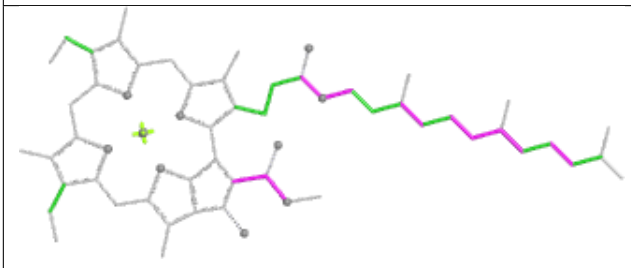
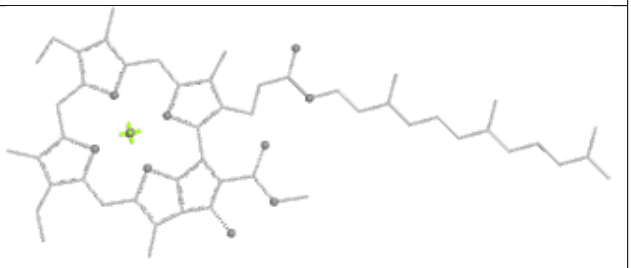


Torsions

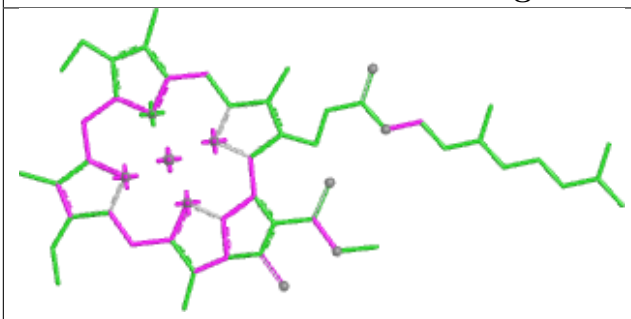


Rings

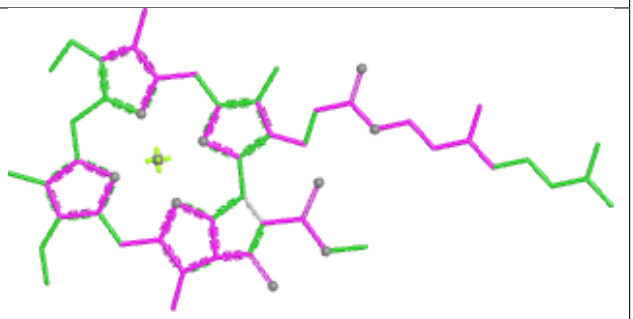
Ligand CLA G 1124	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 1128	
	
Bond lengths	Bond angles
	
Torsions	Rings

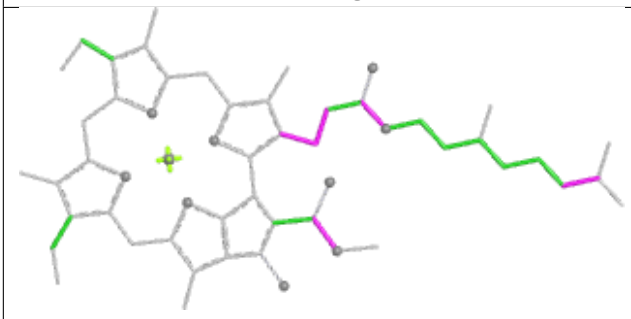
Ligand CLA G 1130



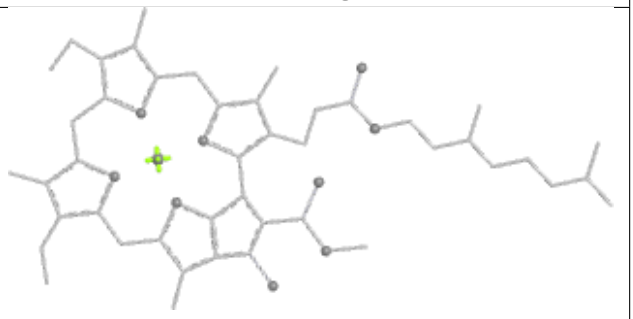
Bond lengths



Bond angles

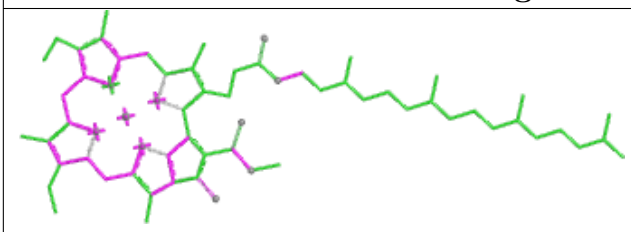


Torsions

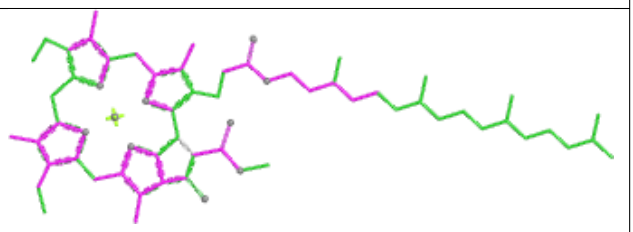


Rings

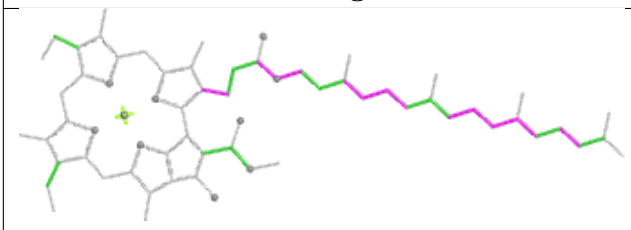
Ligand CLA H 1210



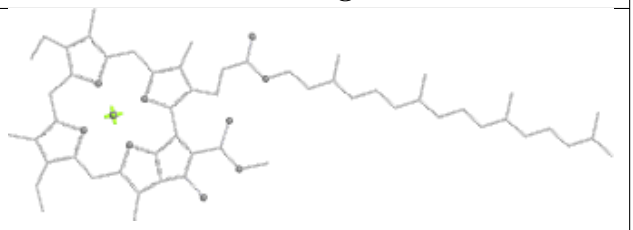
Bond lengths



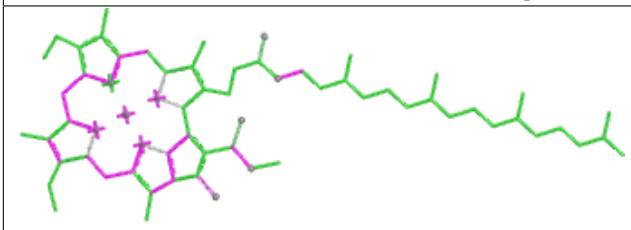
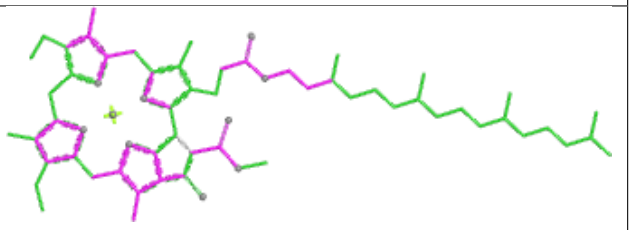
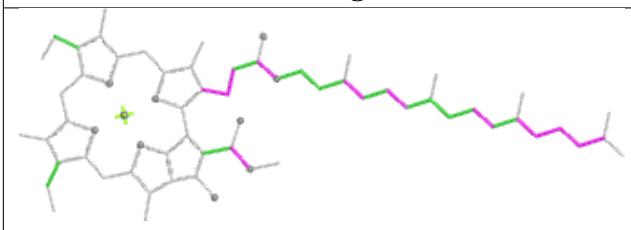
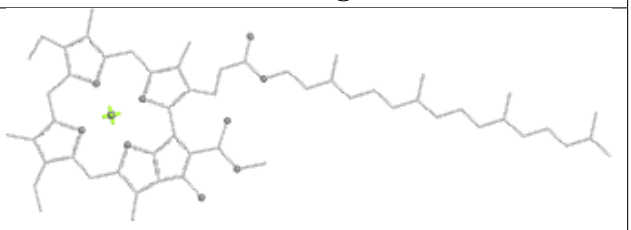
Bond angles

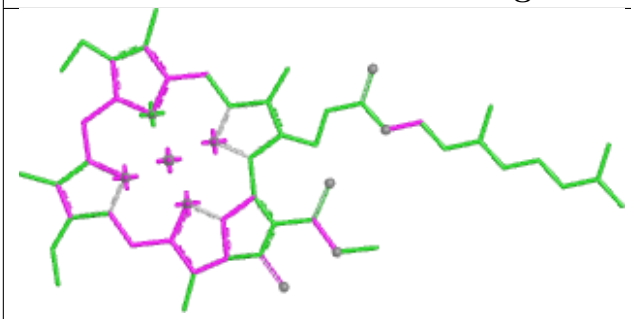
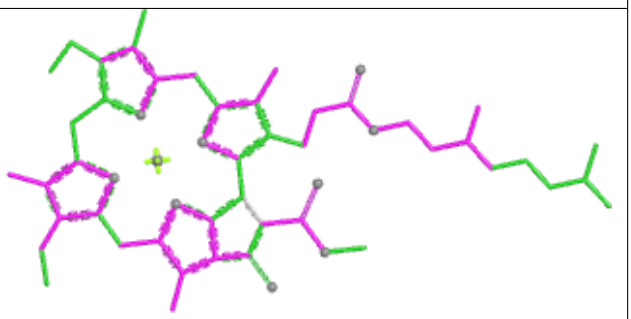
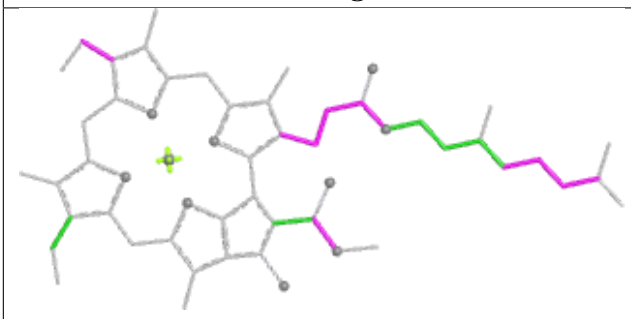
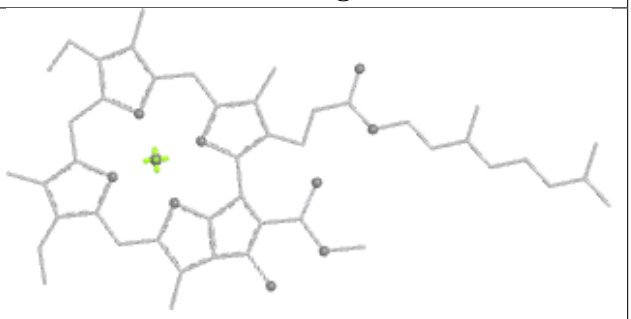


Torsions

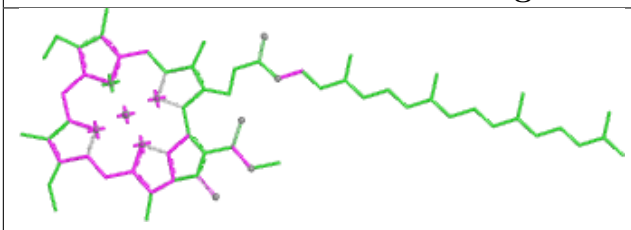


Rings

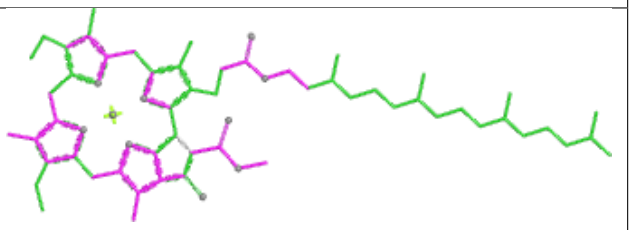
Ligand CLA b 1225	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 1116	
 Bond lengths	 Bond angles
 Torsions	 Rings

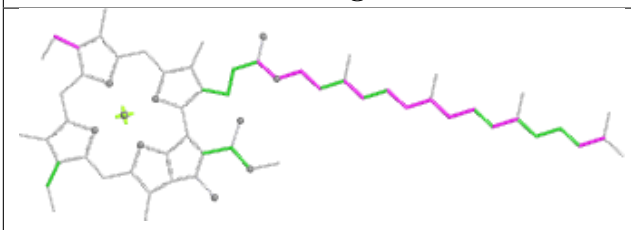
Ligand CLA H 1240



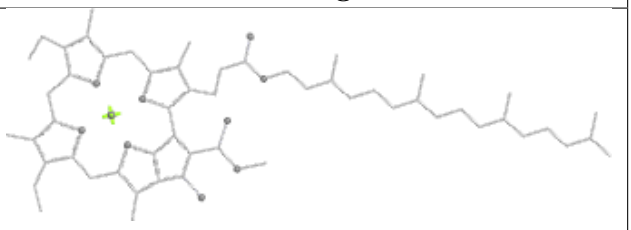
Bond lengths



Bond angles

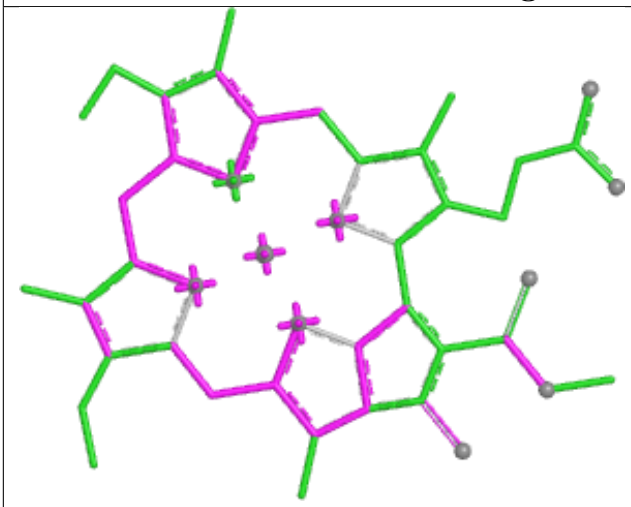


Torsions

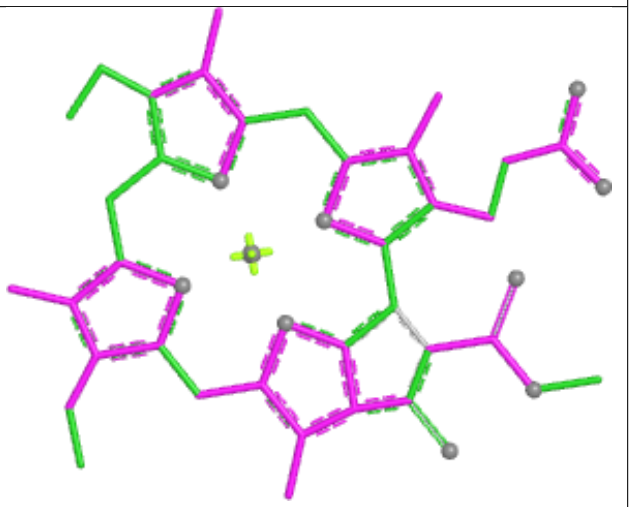


Rings

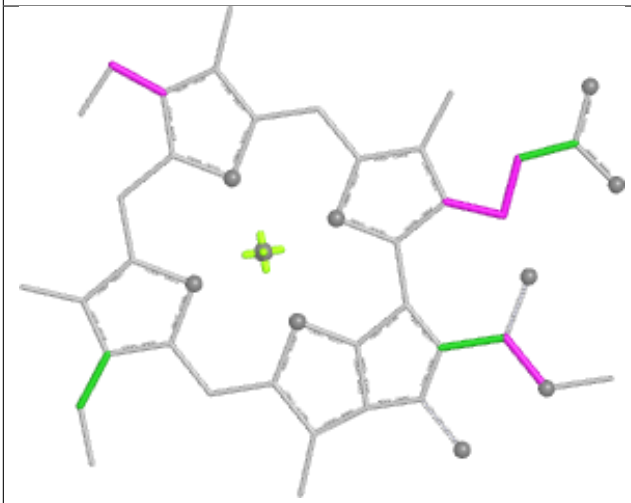
Ligand CLA a 1113



Bond lengths



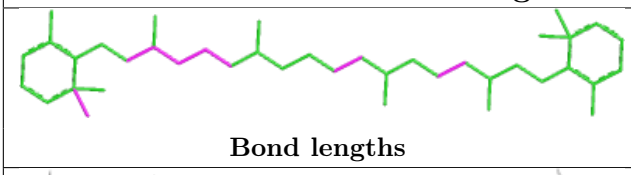
Bond angles



Torsions

Rings

Ligand BCR R 4020



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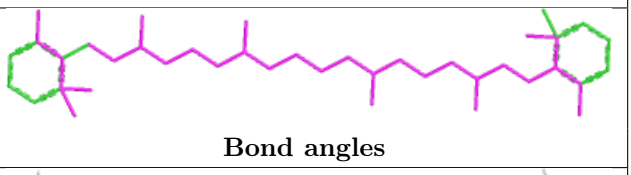
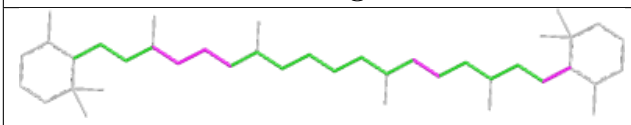
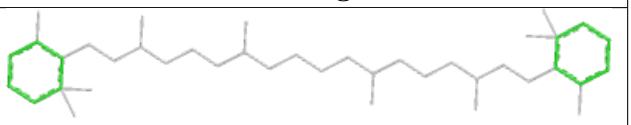


Bond angles

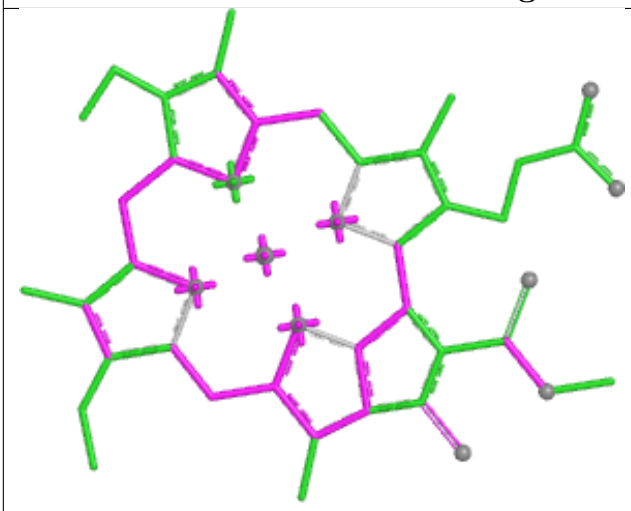


Torsions

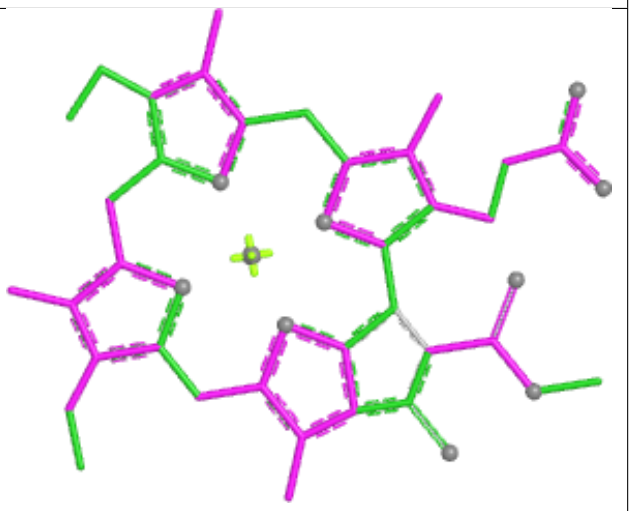


Rings

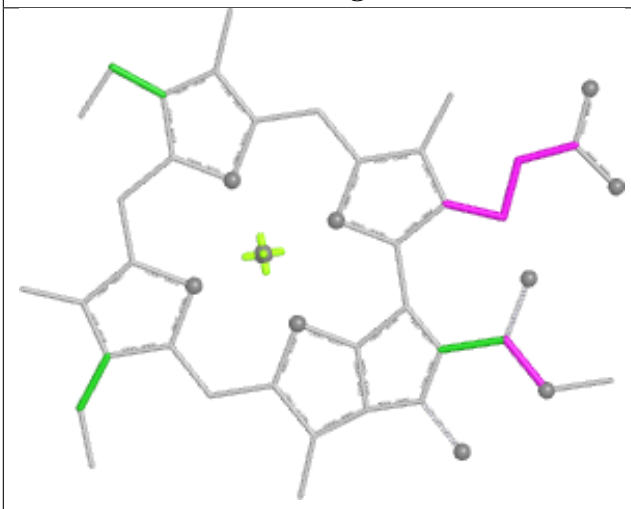
Ligand CLA b 1212



Bond lengths

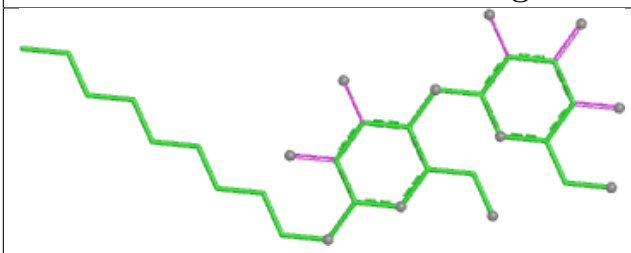
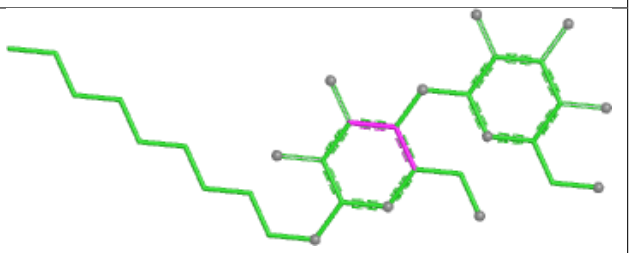
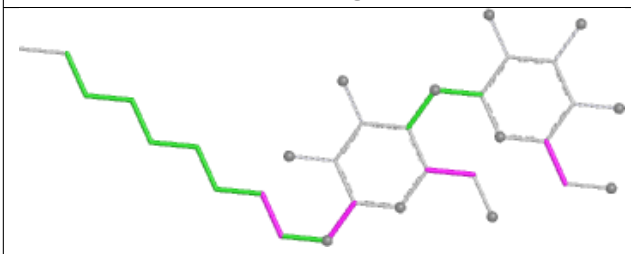
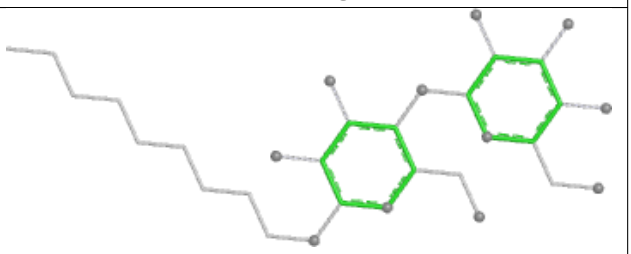


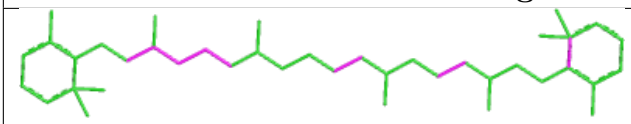
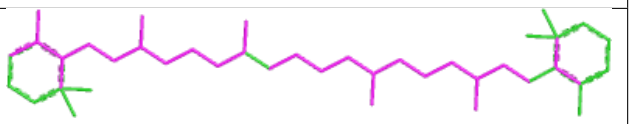
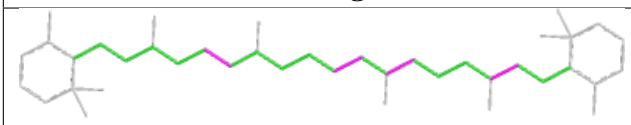
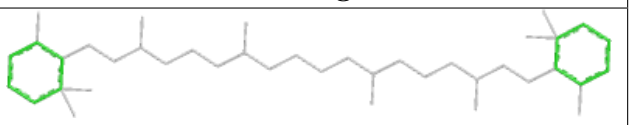
Bond angles



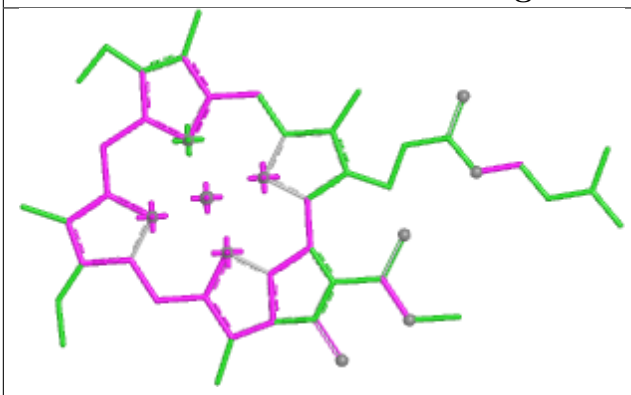
Torsions

Rings

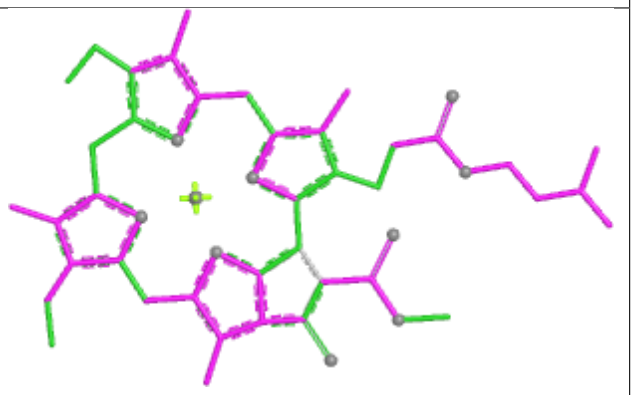
Ligand LMT A 6003	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand BCR b 4014	
 Bond lengths	 Bond angles
 Torsions	 Rings

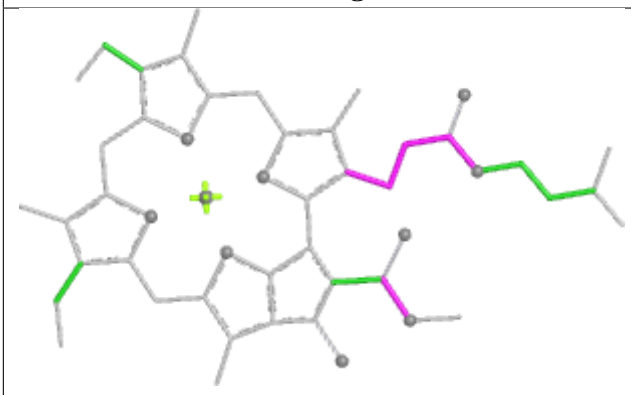
Ligand CLA A 1102



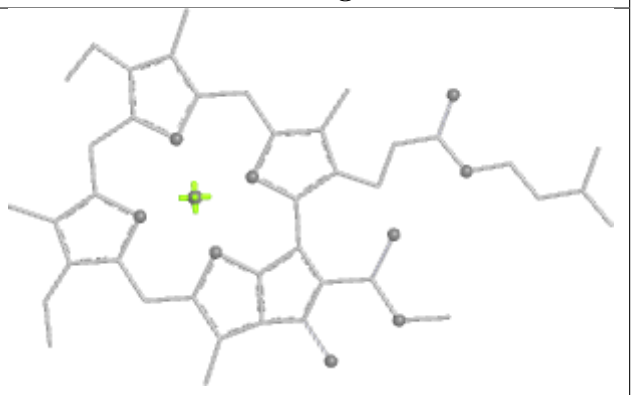
Bond lengths



Bond angles

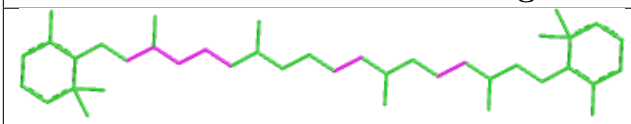


Torsions

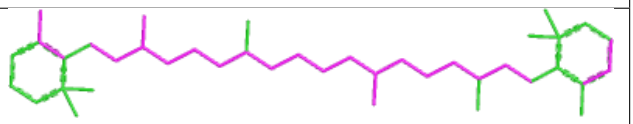


Rings

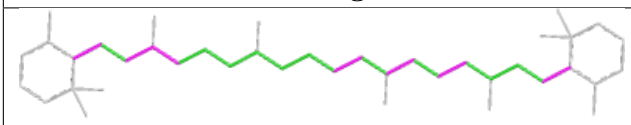
Ligand BCR a 4001



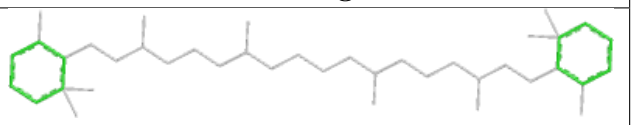
Bond lengths



Bond angles

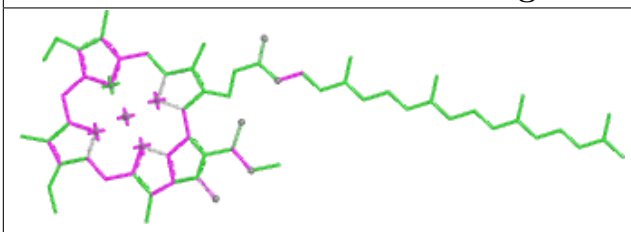


Torsions



Rings

Ligand CLA b 1201



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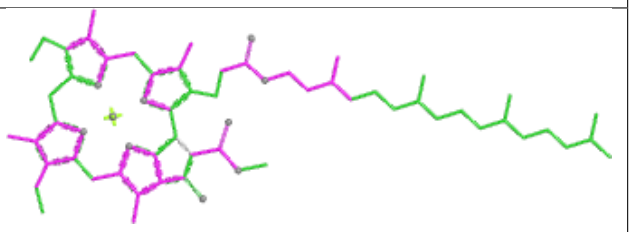
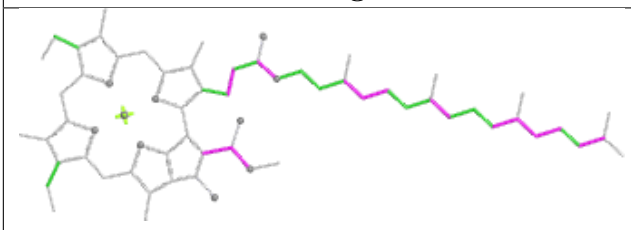
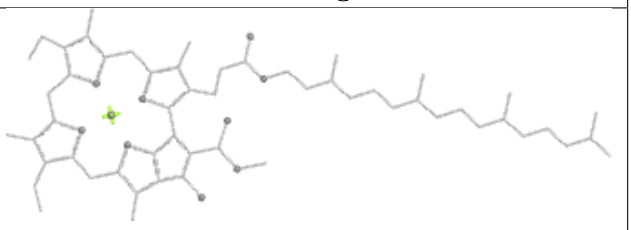


Bond angles

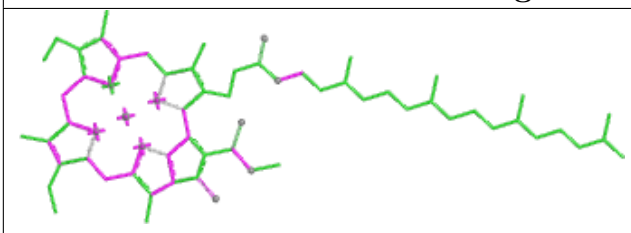


Torsions



Rings

Ligand CLA H 1221



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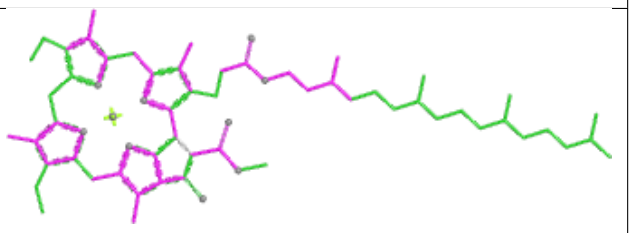
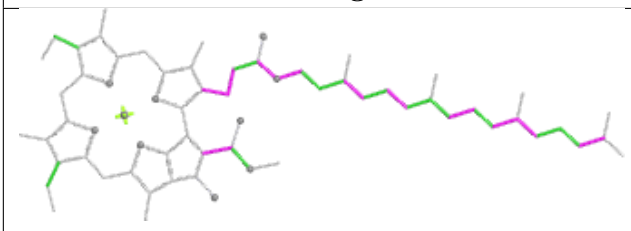
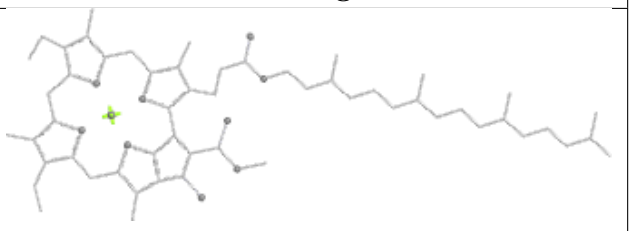


Bond angles

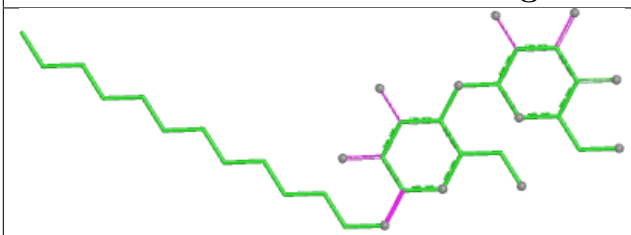


Torsions



Rings

Ligand LMT l 6101



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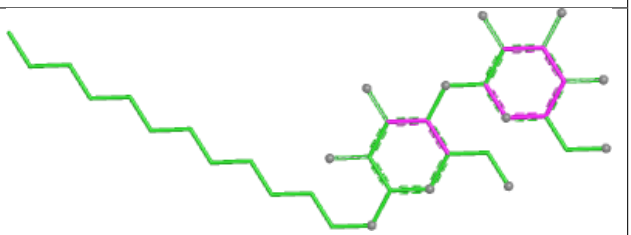
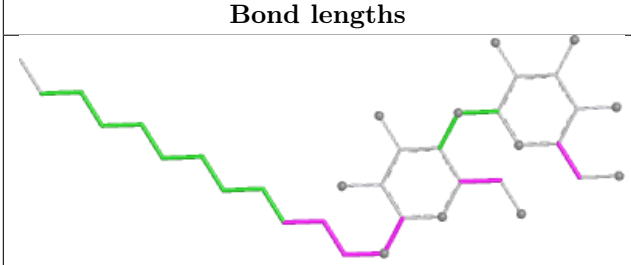
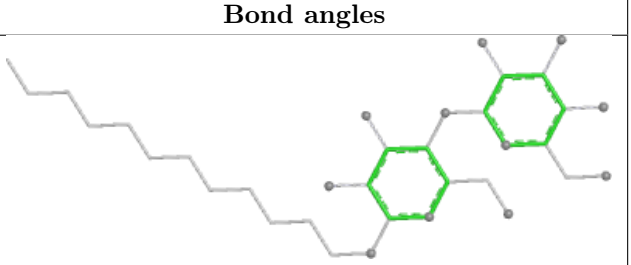


Bond angles

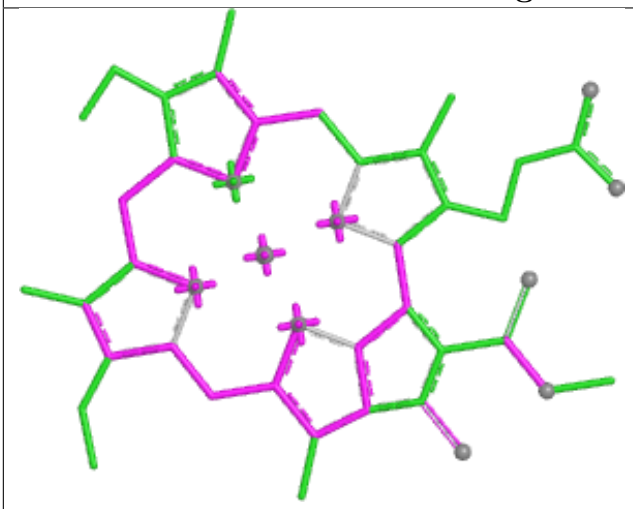


Torsions



Rings

Ligand CLA T 1401



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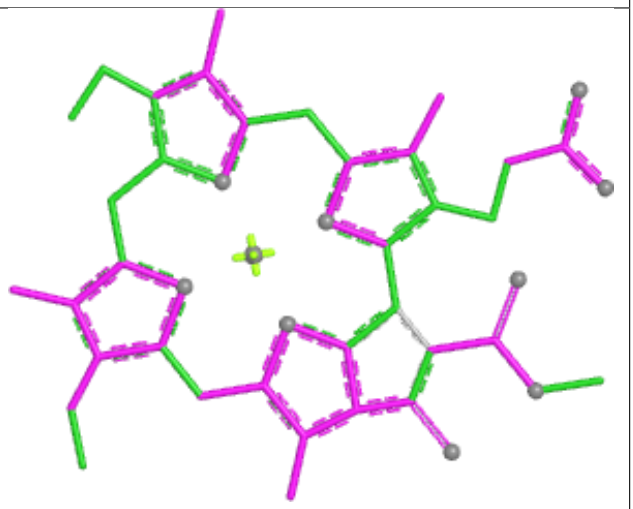
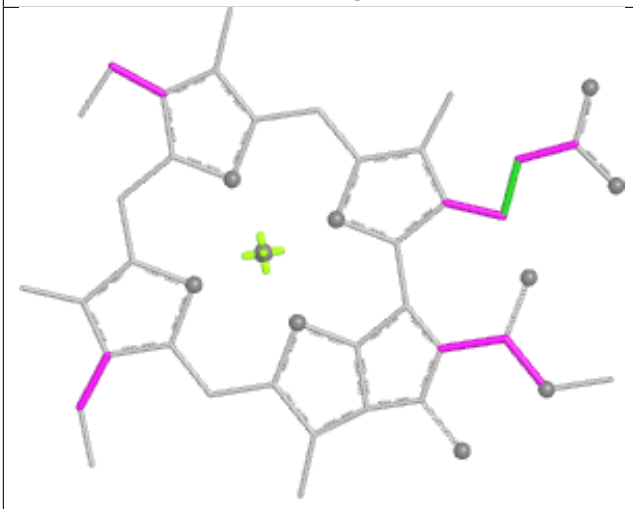


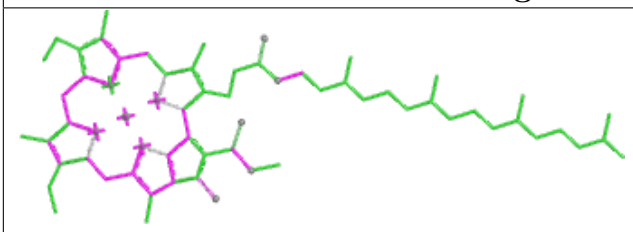
Bond angles



Torsions

Rings

Ligand CLA G 1117



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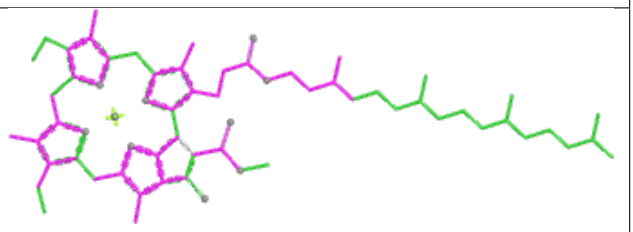

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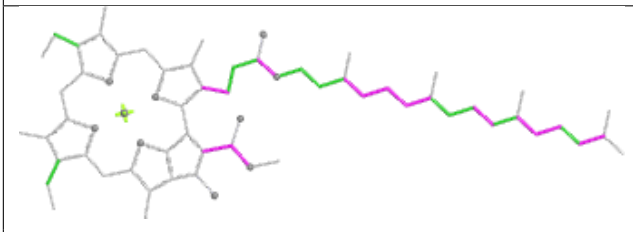
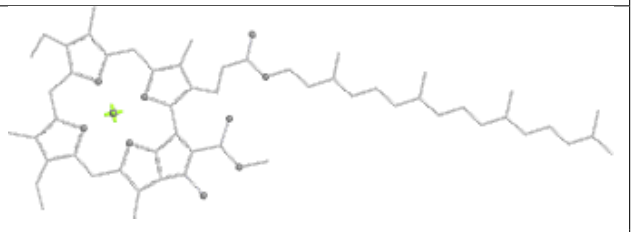
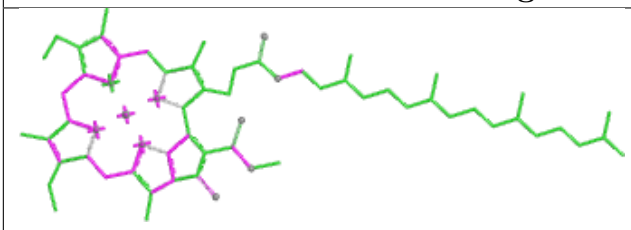


Torsions



Rings

Ligand CLA L 1503



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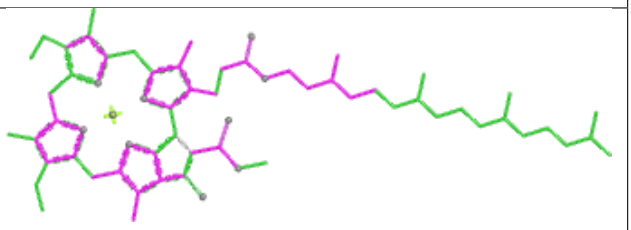
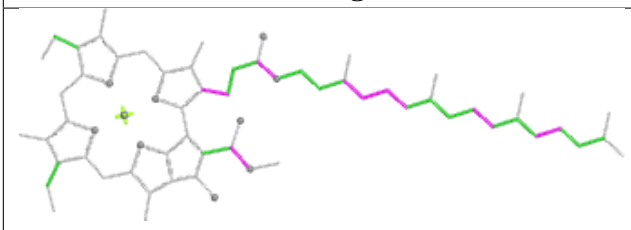


Bond angles



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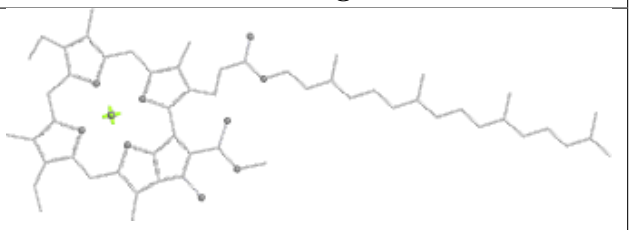
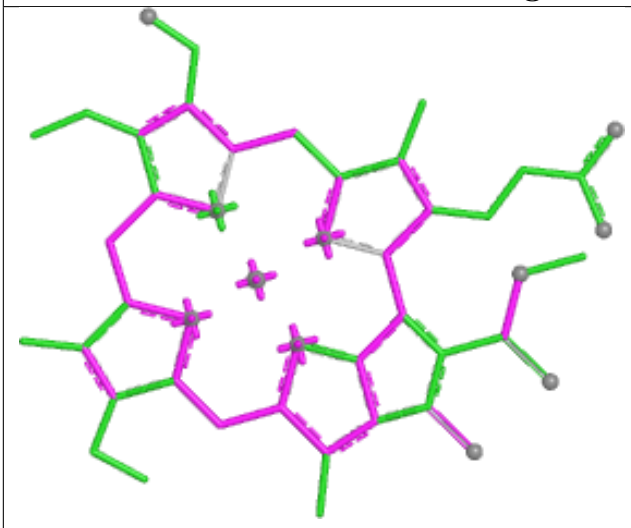


Rings

Ligand F6C a 1121



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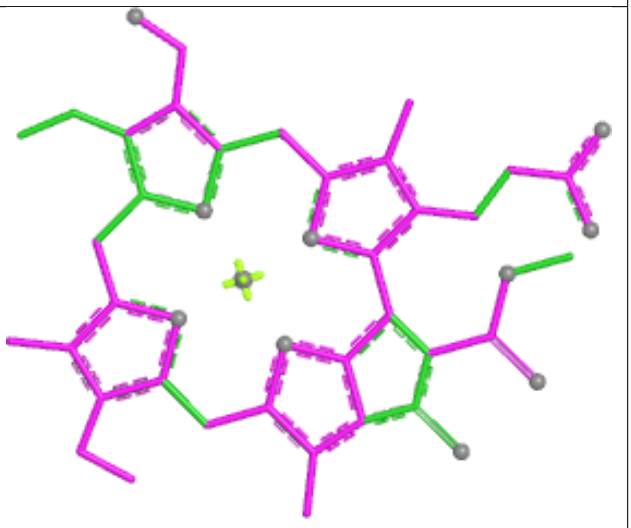
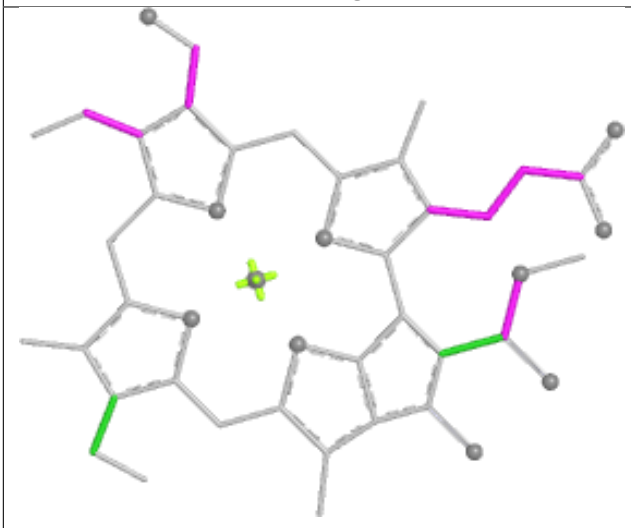


Bond angles



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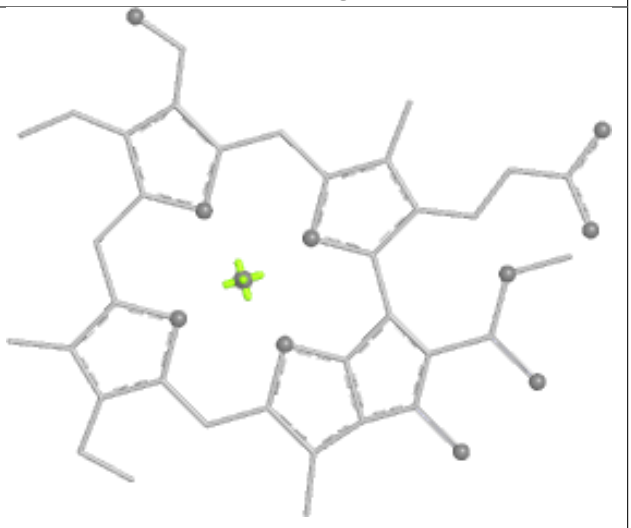
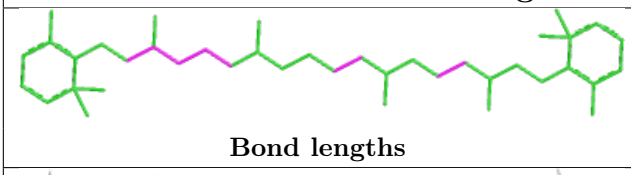


Rings

Ligand BCR b 4017



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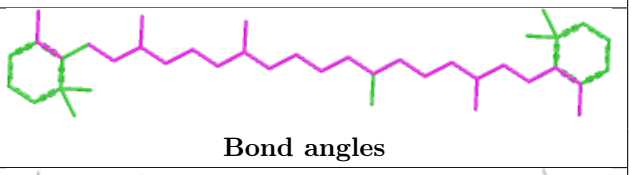
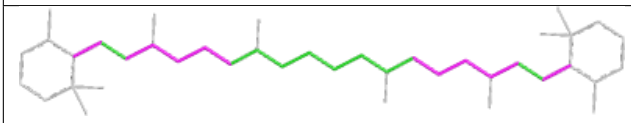


Bond angles



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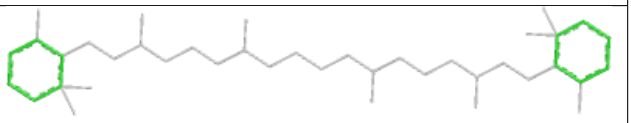
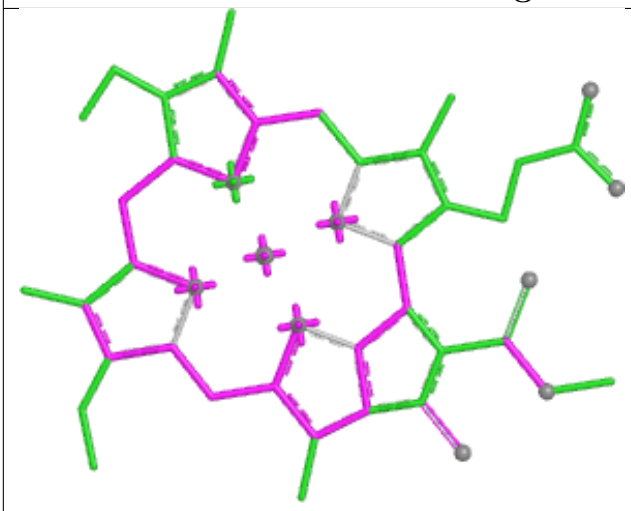


Rings

Ligand CLA H 1232



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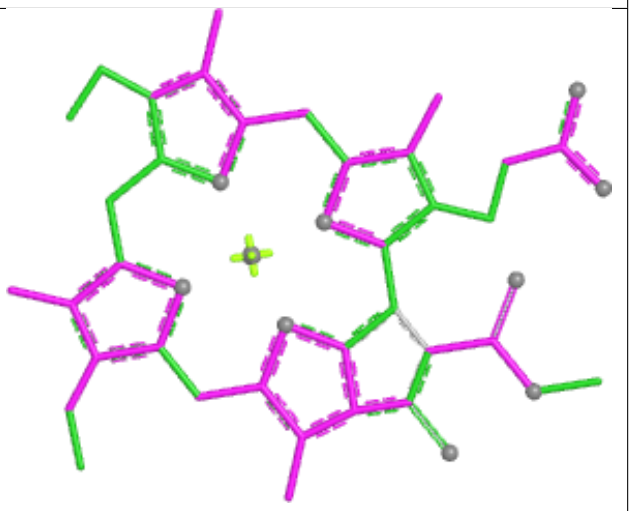
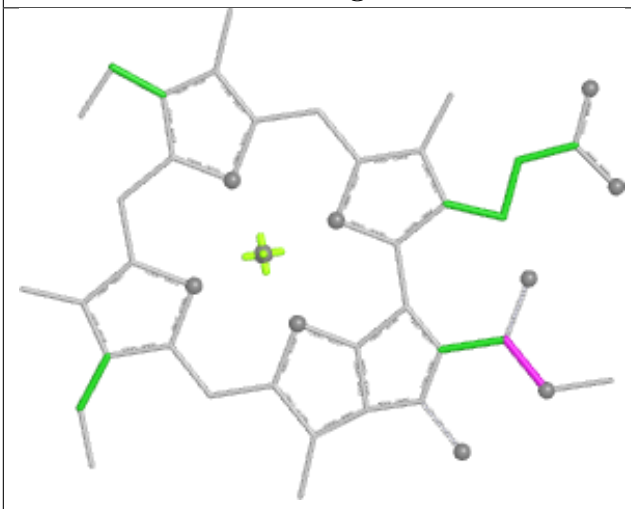


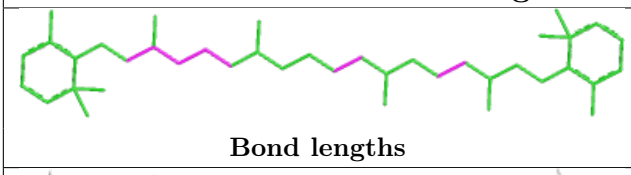
Bond angles

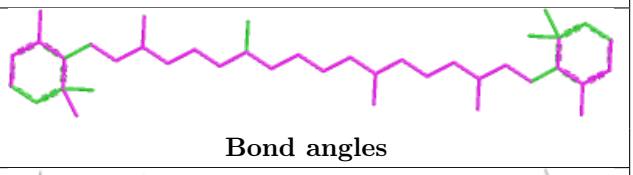


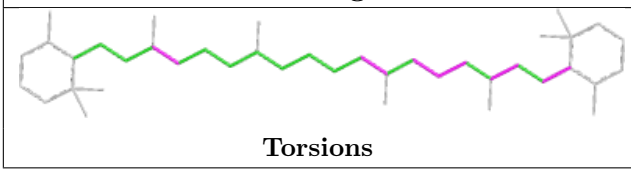
Torsions

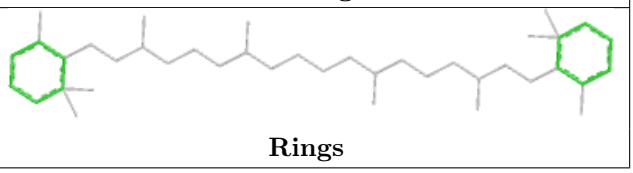
Rings

Ligand BCR G 4004

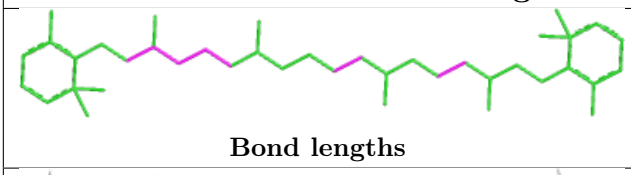

Bond lengths


Bond angles


Torsions


Rings

Ligand BCR A 4006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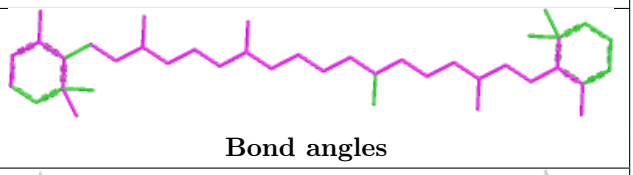
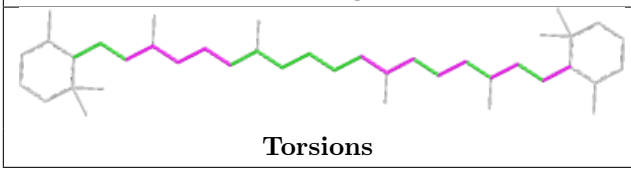
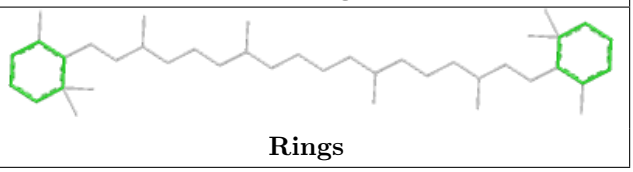
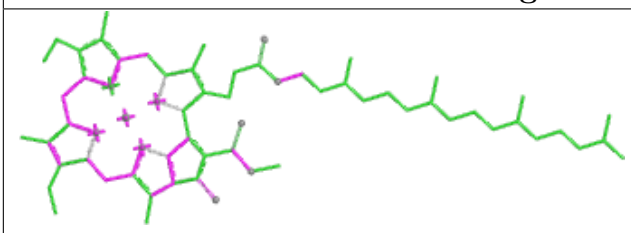

Bond angles


Torsions


Rings

Ligand CLA a 1119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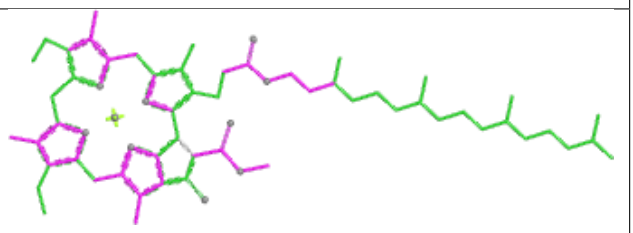
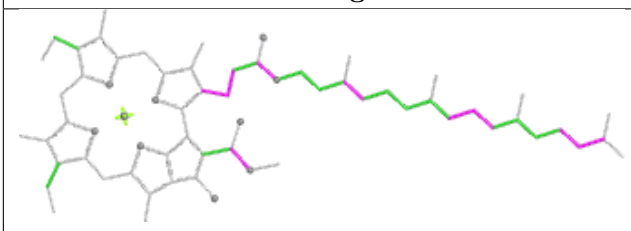
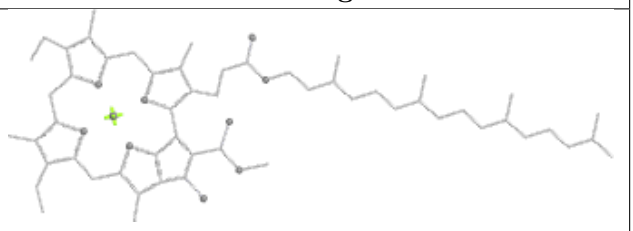
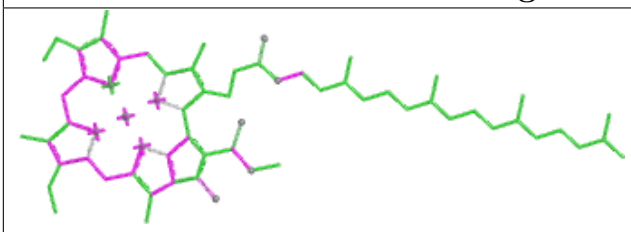

Bond angles

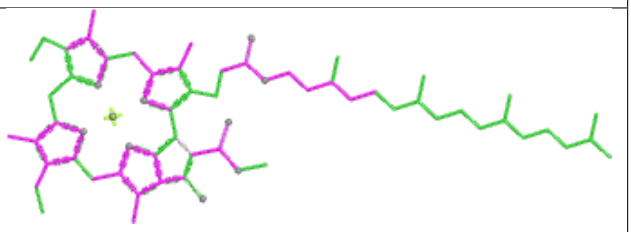

Torsions


Rings

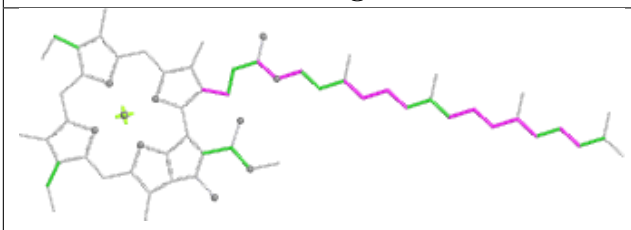
Ligand CLA b 1210



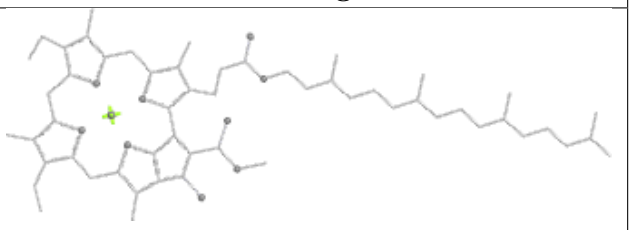
Bond lengths



Bond angles

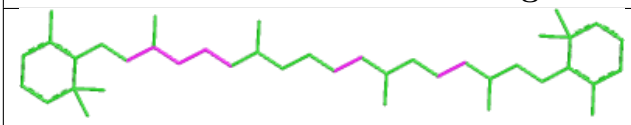


Torsions

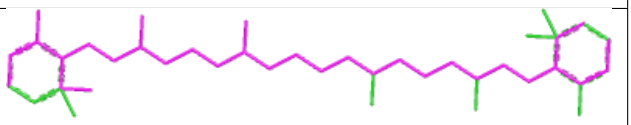


Rings

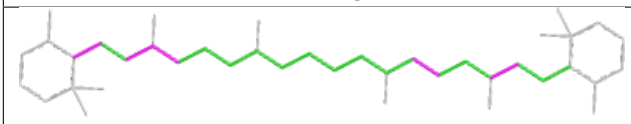
Ligand BCR l 4019



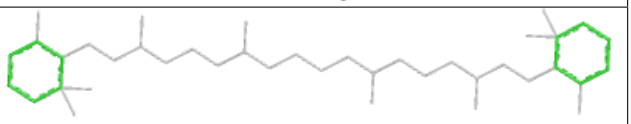
Bond lengths



Bond angles

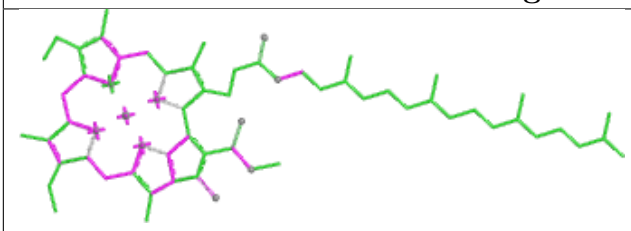


Torsions

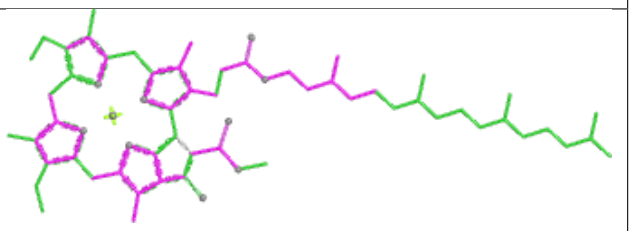


Rings

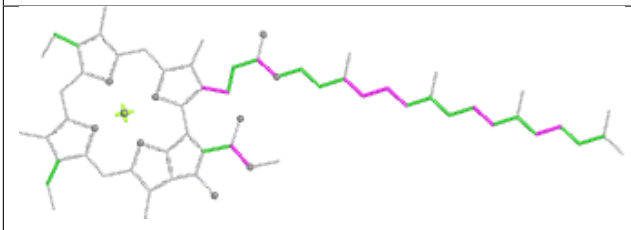
Ligand CLA l 1503



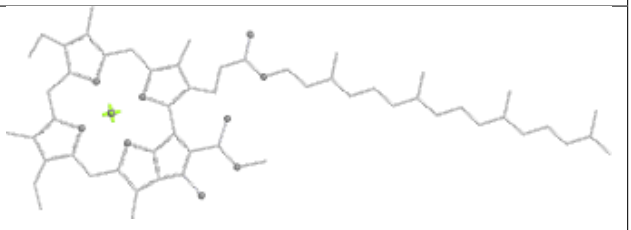
Bond lengths



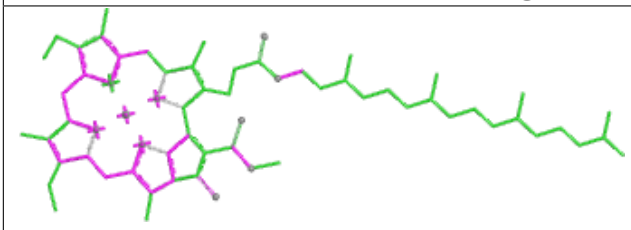
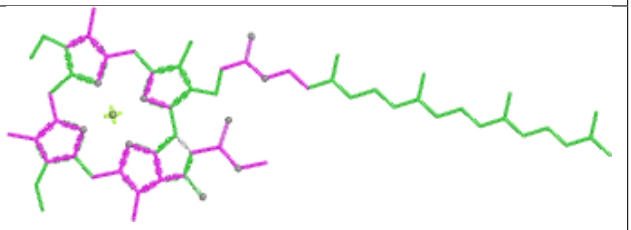
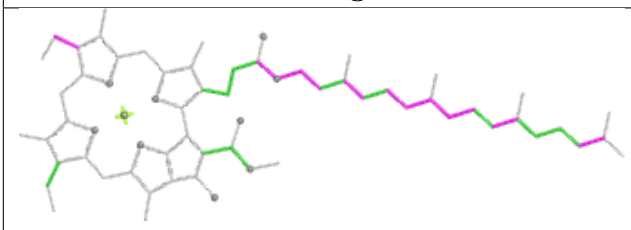
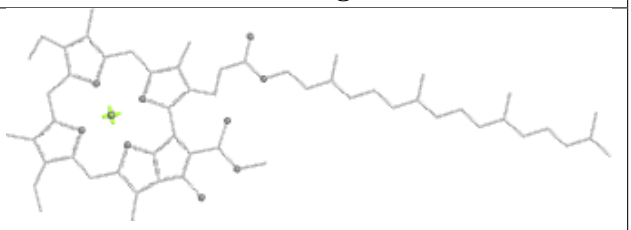
Bond angles



Torsions



Rings

Ligand CLA b 1240	
 Bond lengths	 Bond angles
 Torsions	 Rings

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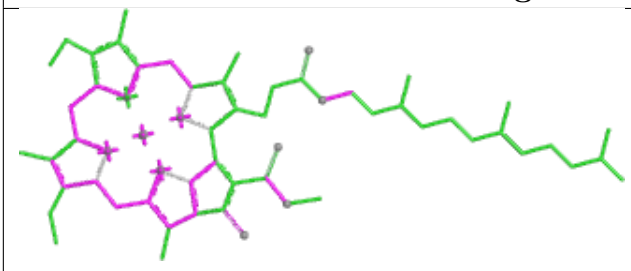
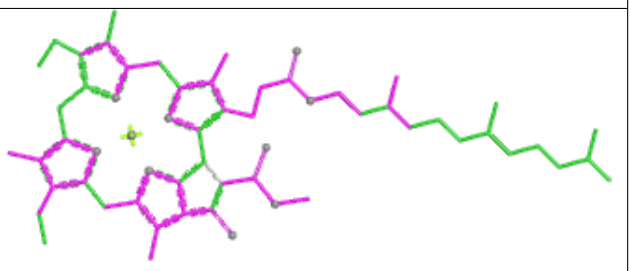
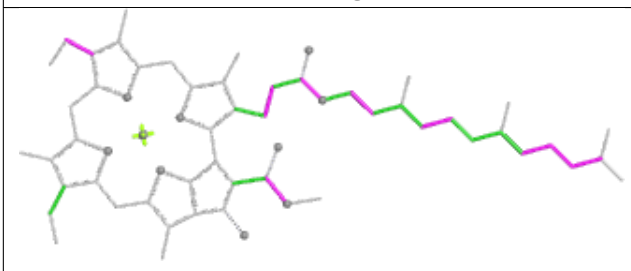
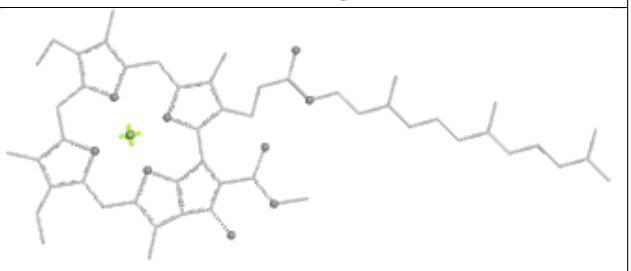
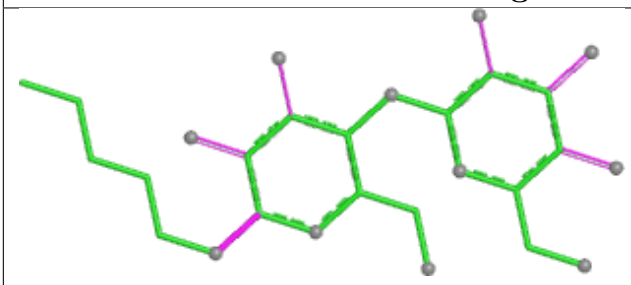
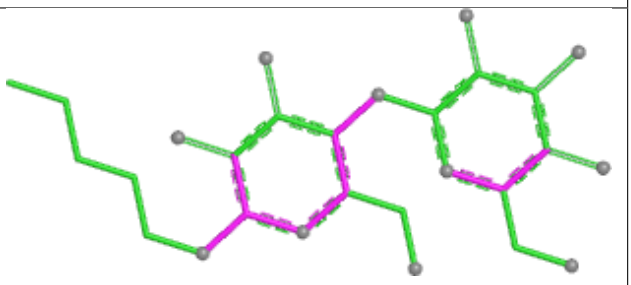
 Bond lengths	 Bond angles
 Torsions	 Rings

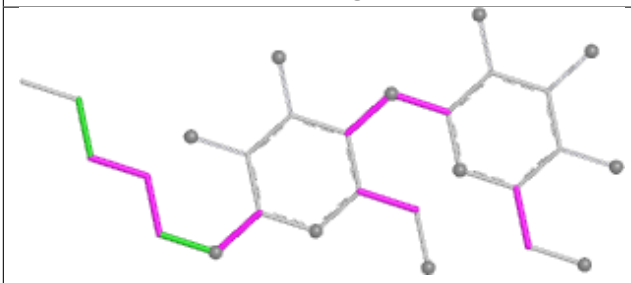
Ligand LMT G 6002



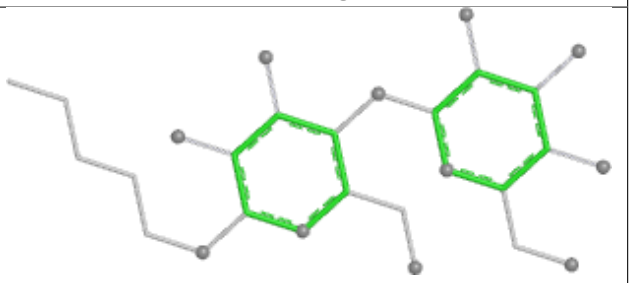
Bond lengths



Bond angles

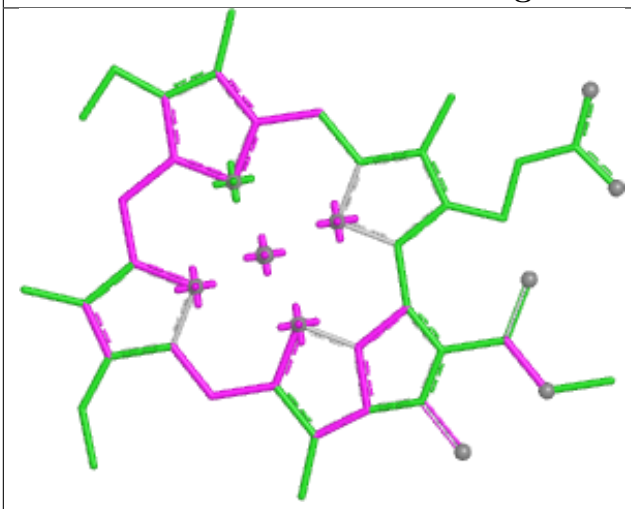


Torsions



Rings

Ligand CLA H 1209



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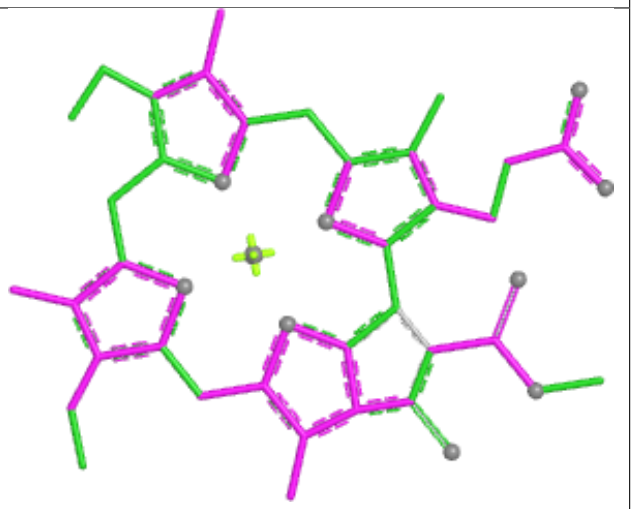
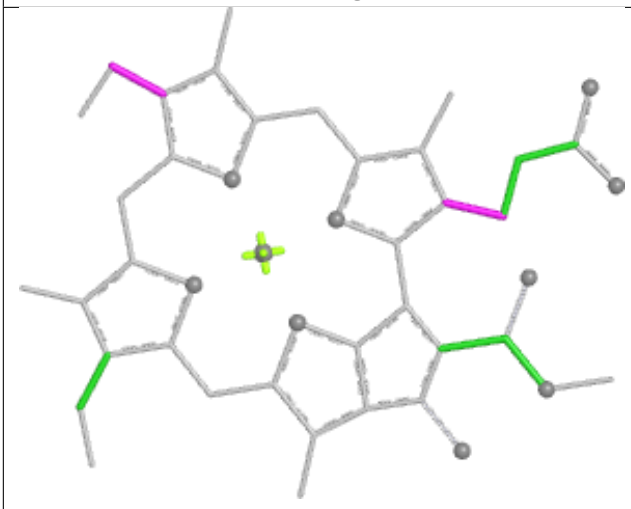


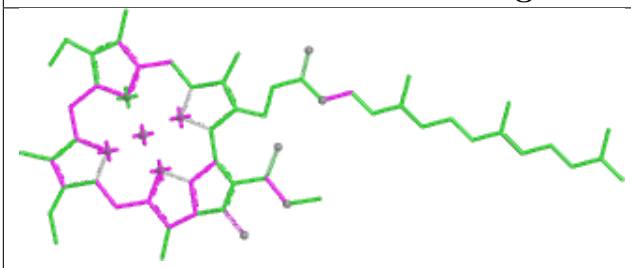
Bond angles



Torsions

Rings

Ligand CLA B 1229



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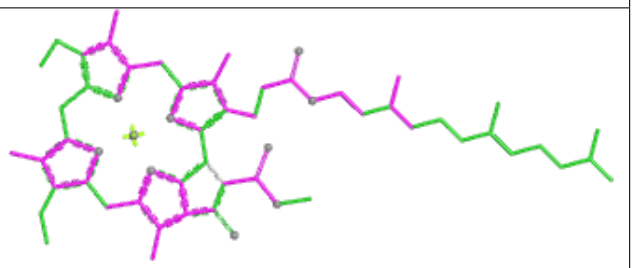
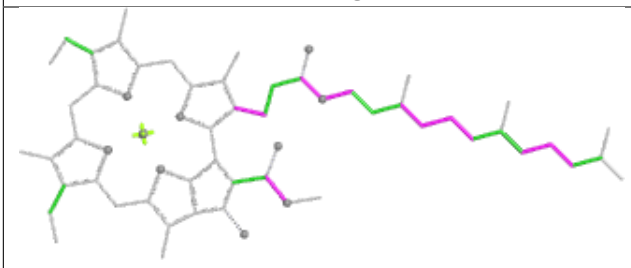
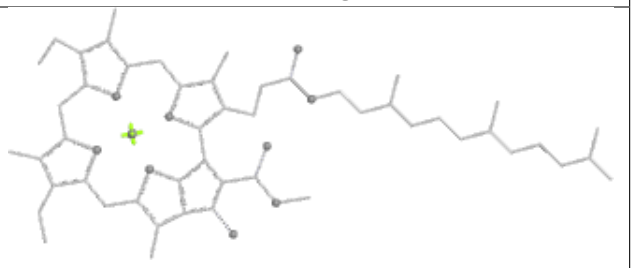


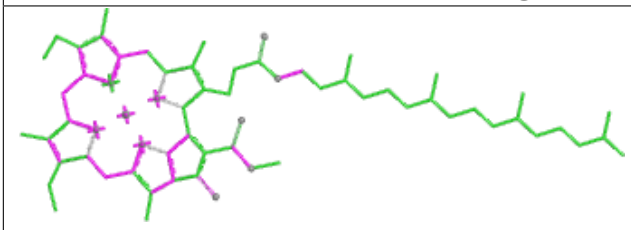
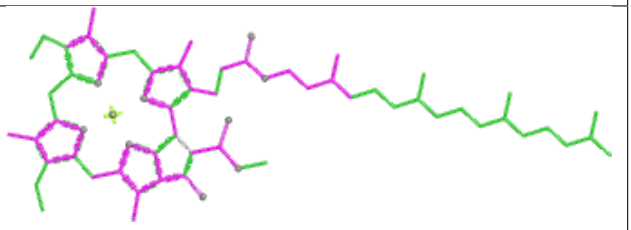
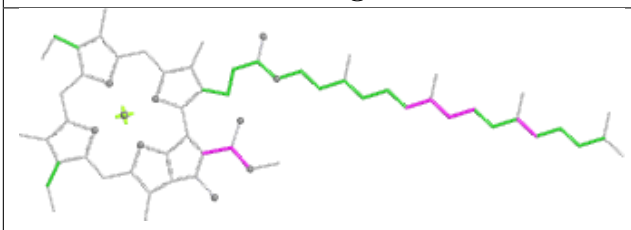
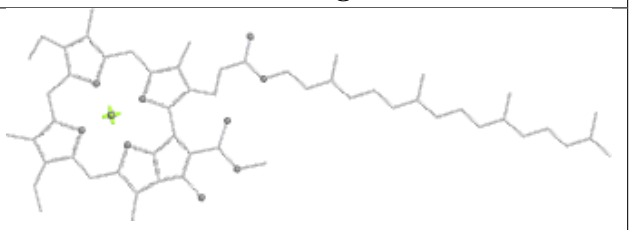
Bond angles

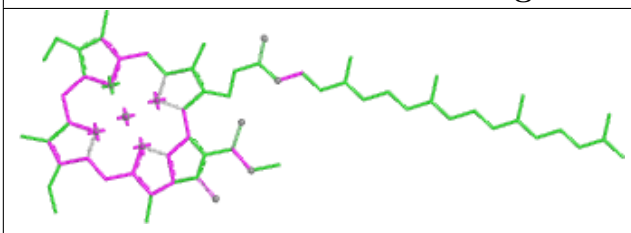
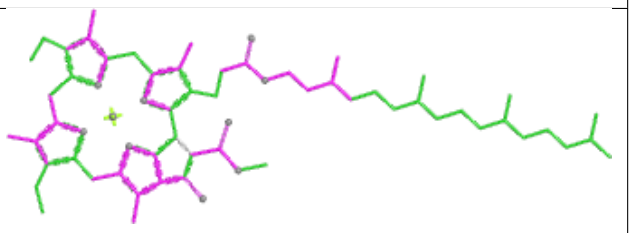
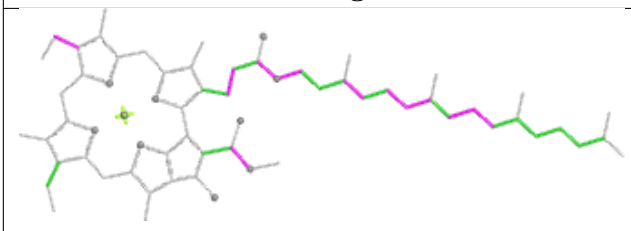
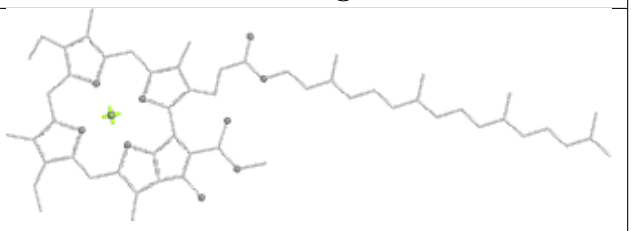


Torsions

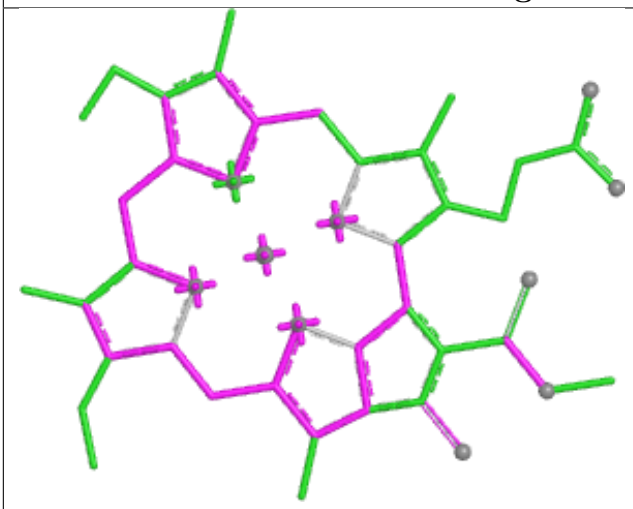


Rings

Ligand CLA B 1223	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1109	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1139



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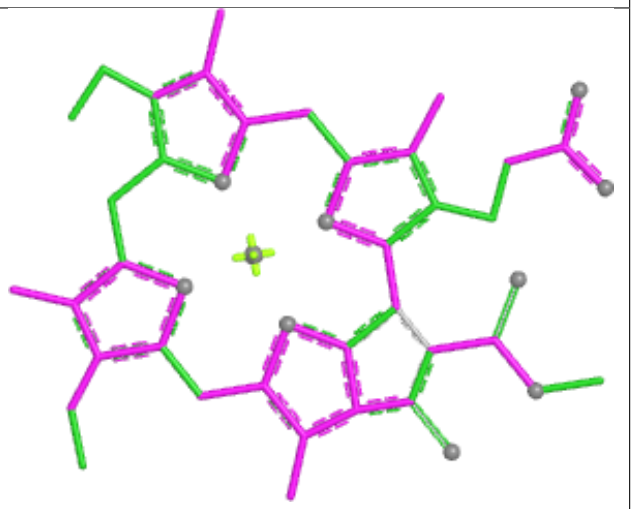
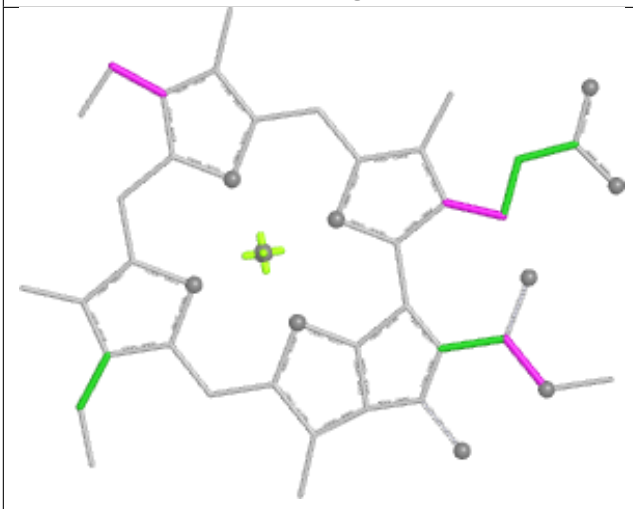


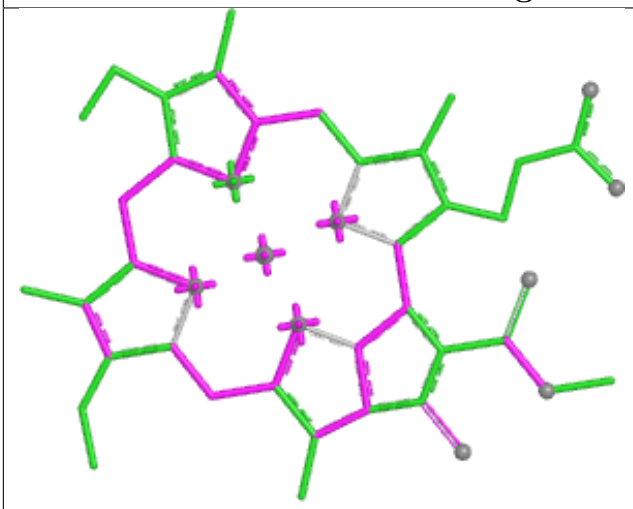
Bond angles



Torsions

Rings

Ligand CLA B 1217



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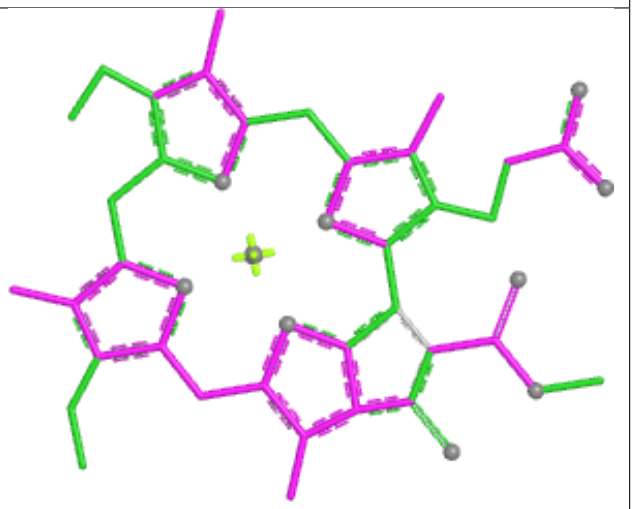
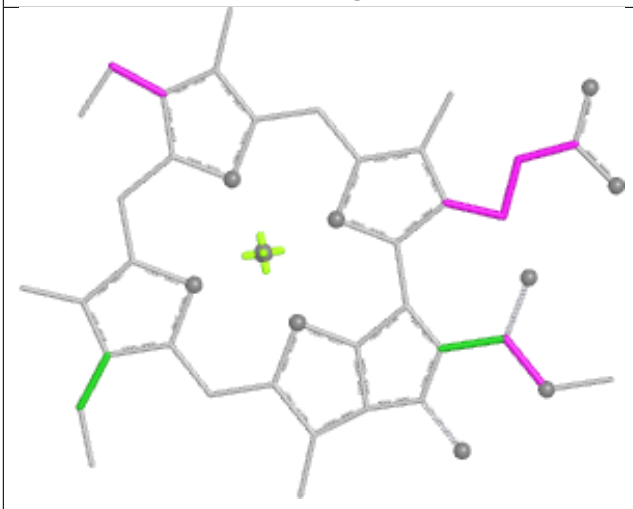


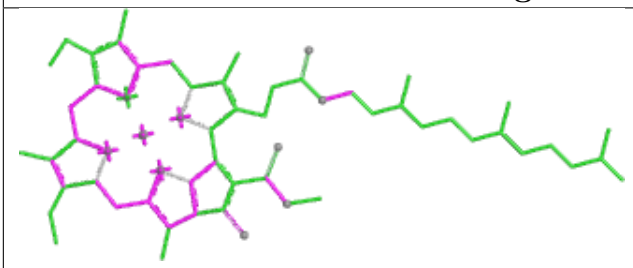
Bond angles



Torsions

Rings

Ligand CLA H 1229



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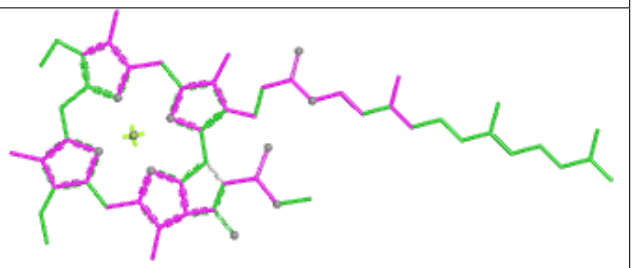
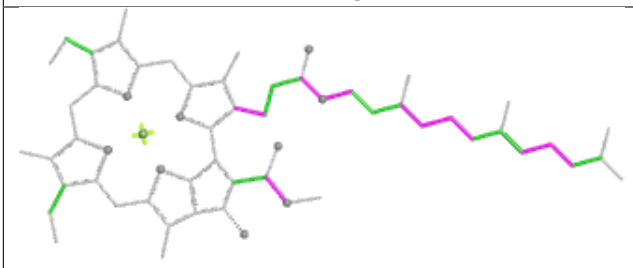
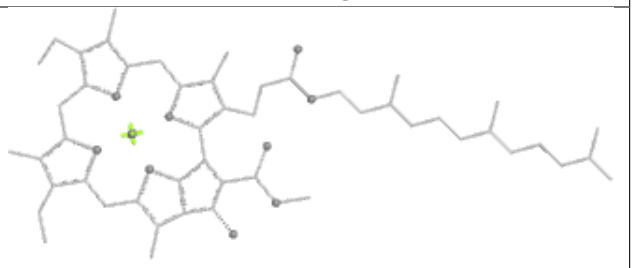


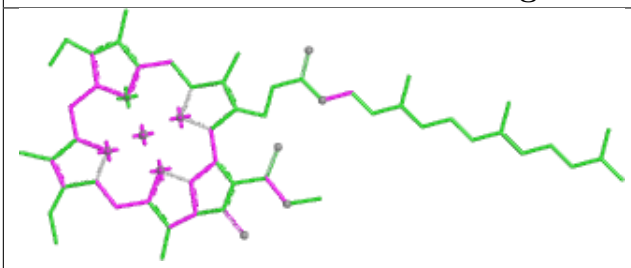
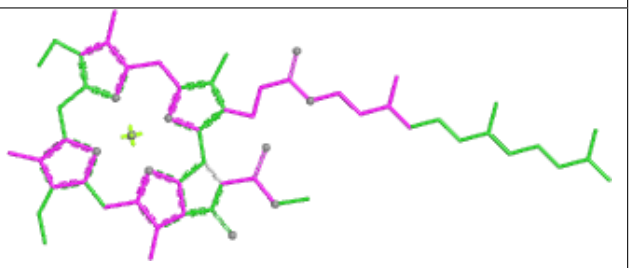
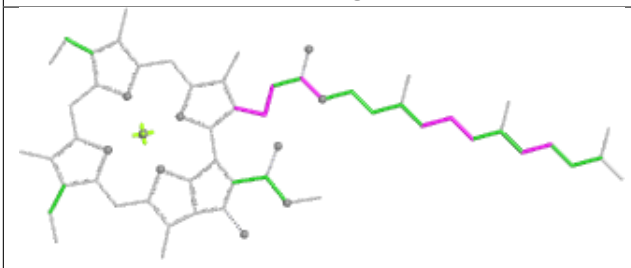
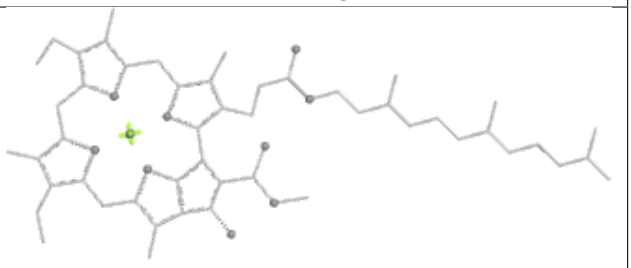
Bond angles



Torsions



Rings

Ligand CLA a 1013	
	
Bond lengths	Bond angles
	
Torsions	Rings

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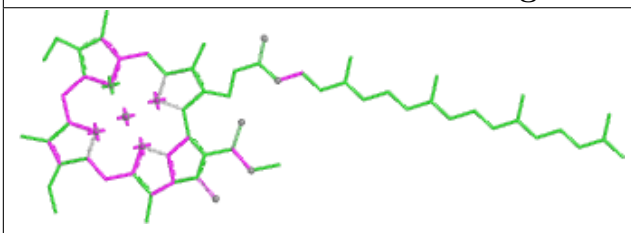
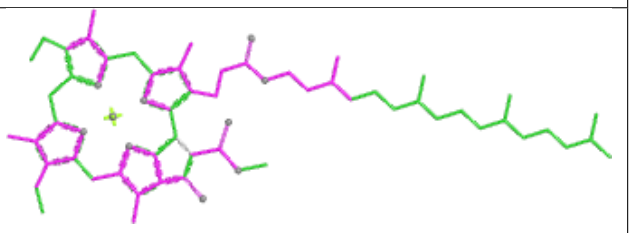
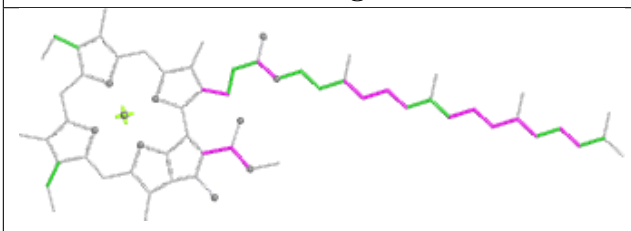
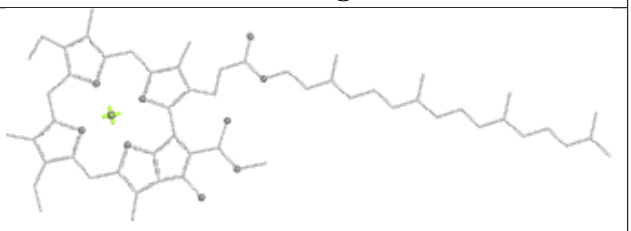
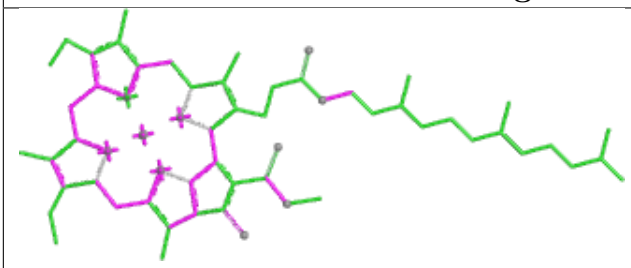
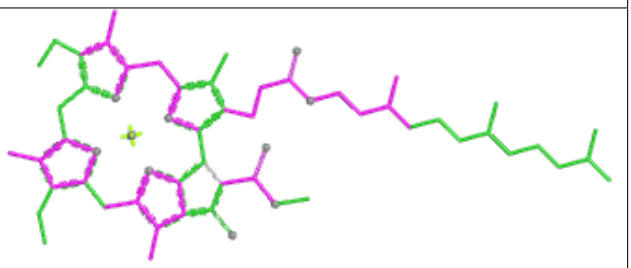
	
Bond lengths	Bond angles
	
Torsions	Rings

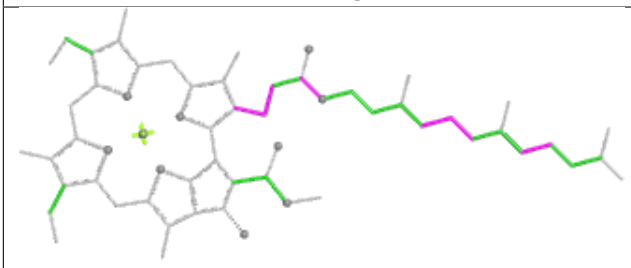
Ligand CLA G 1013



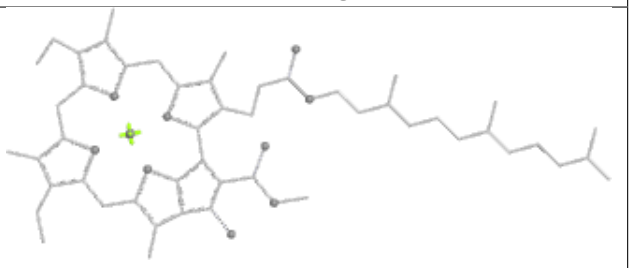
Bond lengths



Bond angles

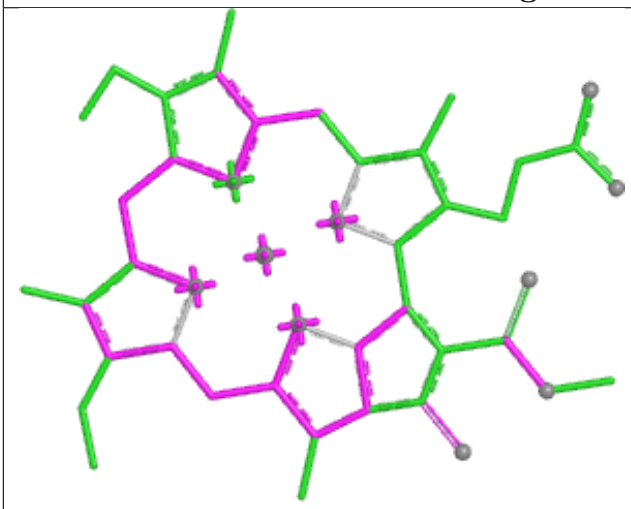


Torsions

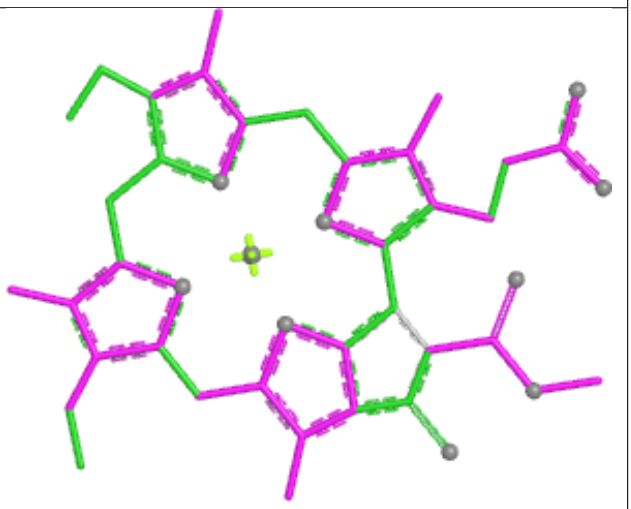


Rings

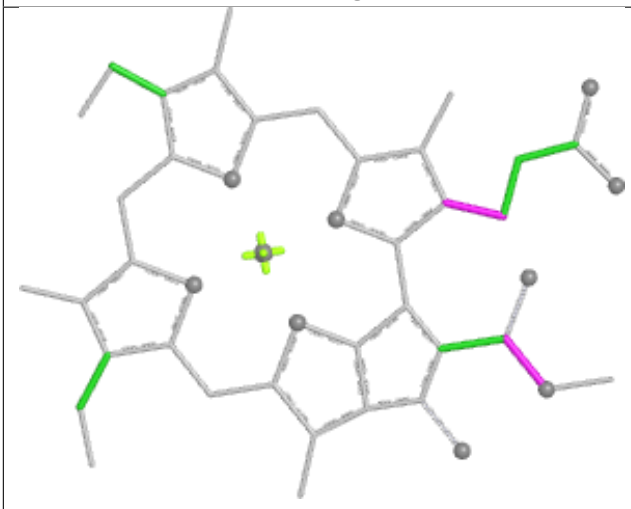
Ligand CLA a 1108



Bond lengths



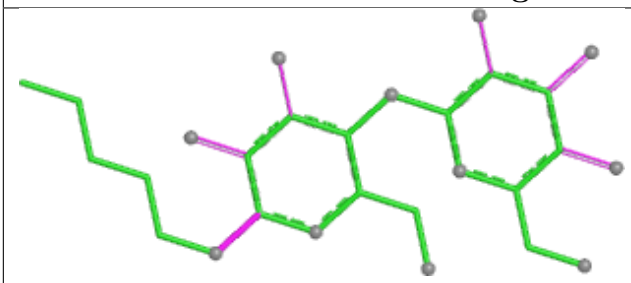
Bond angles



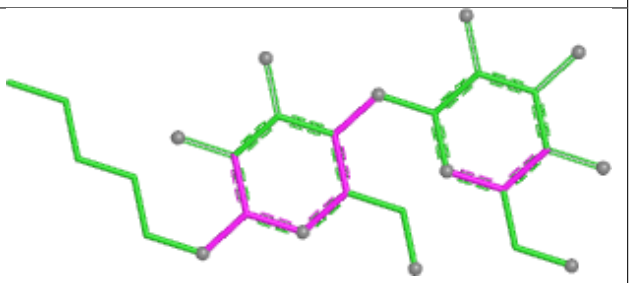
Torsions

Rings

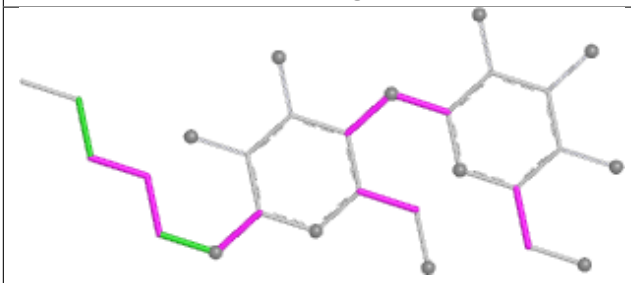
Ligand LMT A 6002



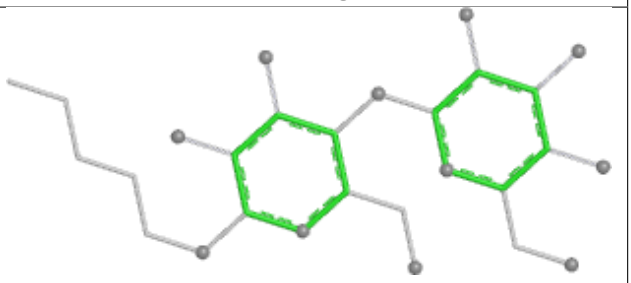
Bond lengths



Bond angles

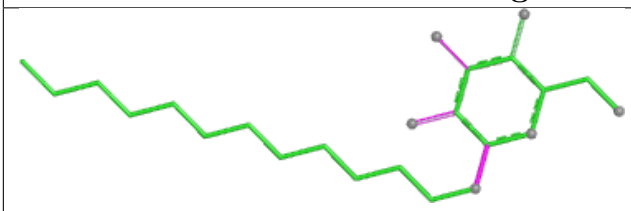


Torsions

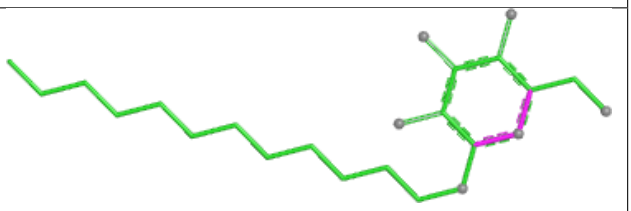


Rings

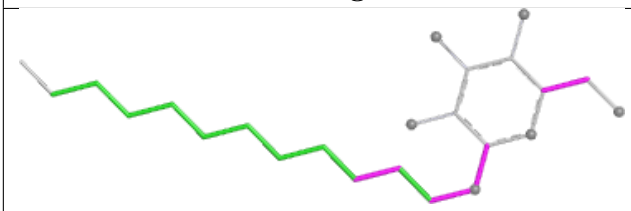
Ligand LMT G 6004



Bond lengths



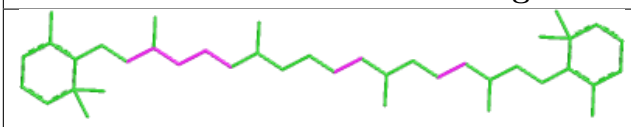
Bond angles



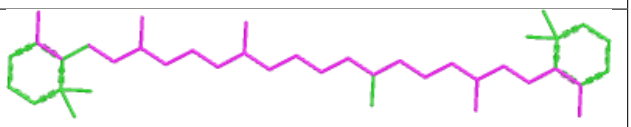
Torsions

Rings

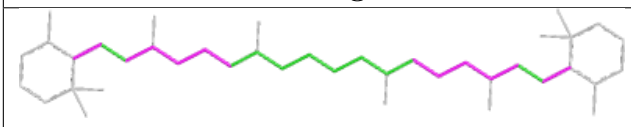
Ligand BCR H 4017



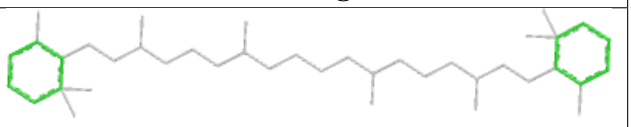
Bond lengths



Bond angles

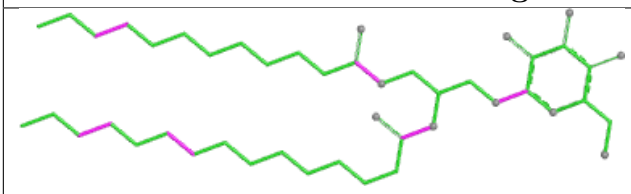


Torsions

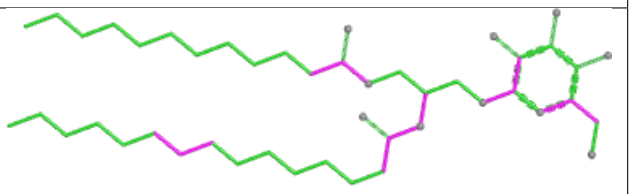


Rings

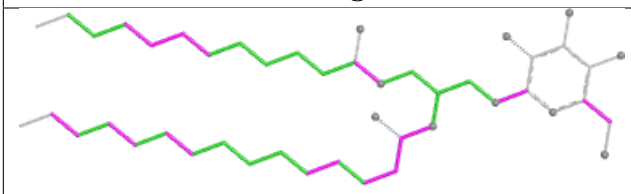
Ligand LMG B 5002



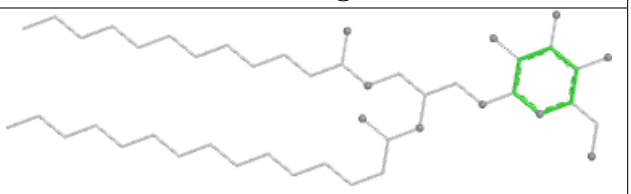
Bond lengths



Bond angles

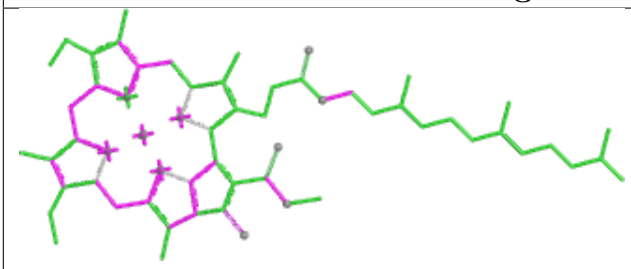


Torsions

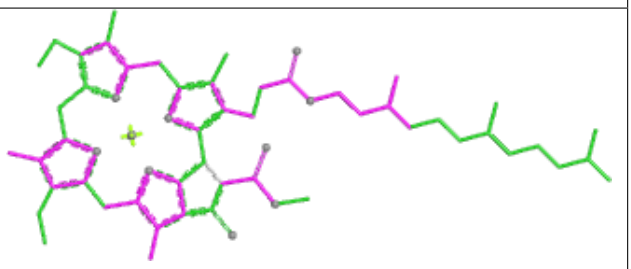


Rings

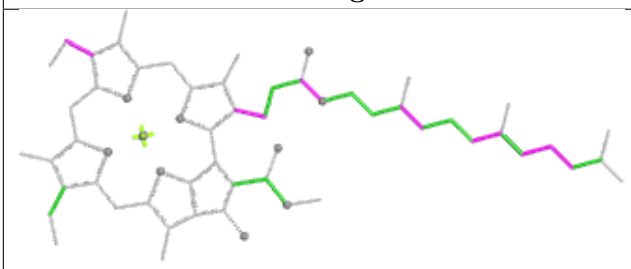
Ligand CLA U 1502



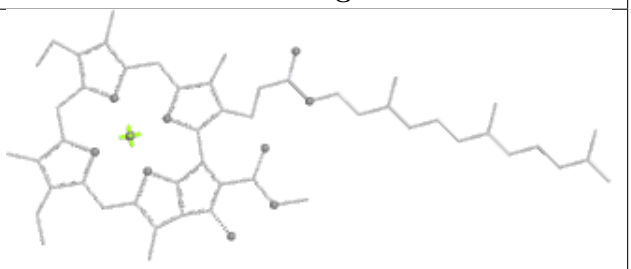
Bond lengths



Bond angles

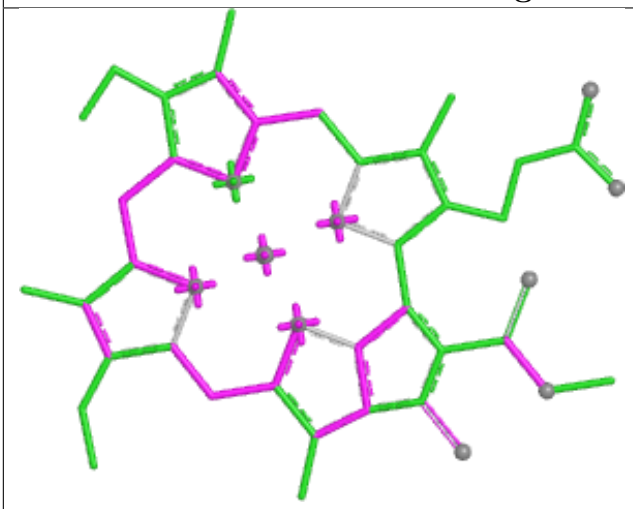


Torsions

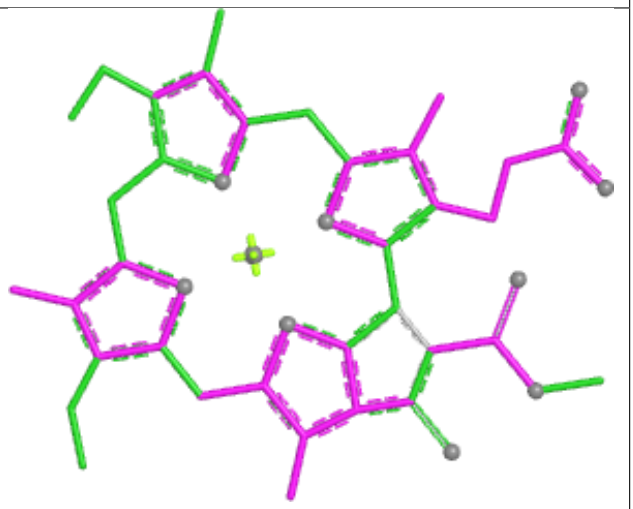


Rings

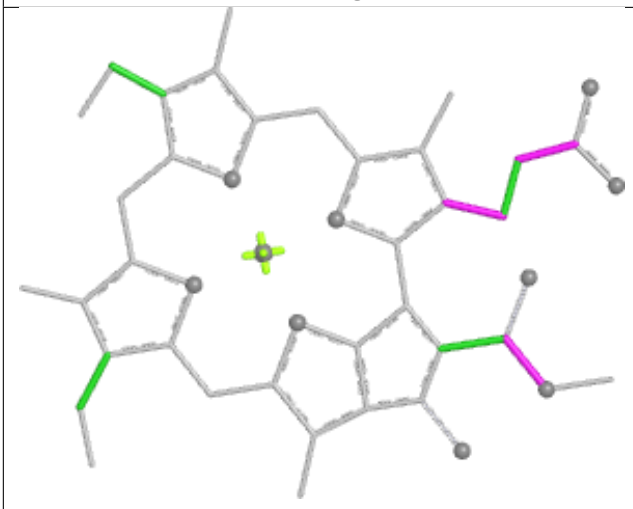
Ligand CLA A 1107



Bond lengths



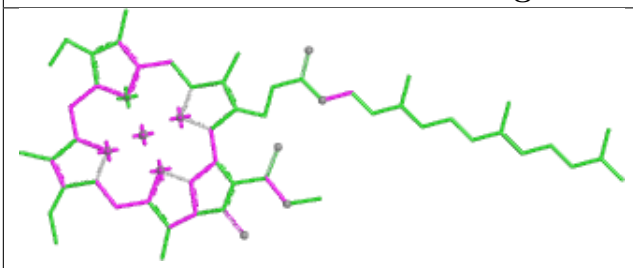
Bond angles



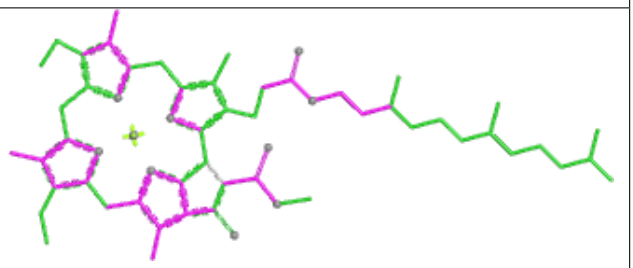
Torsions

Rings

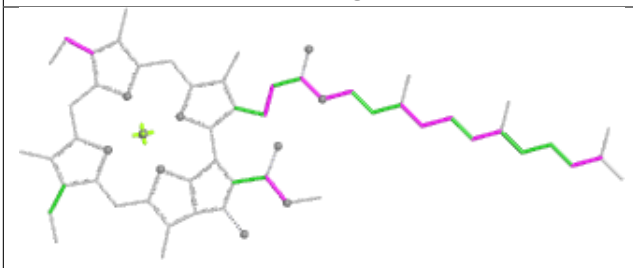
Ligand CLA G 1131



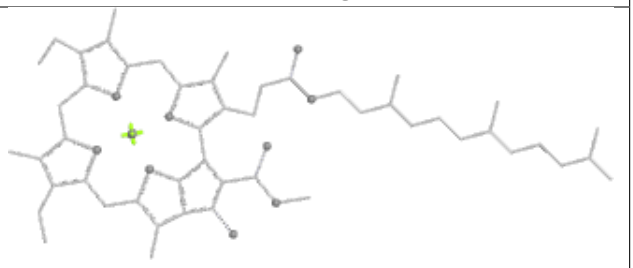
Bond lengths



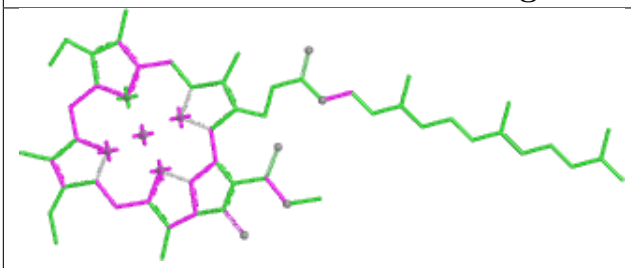
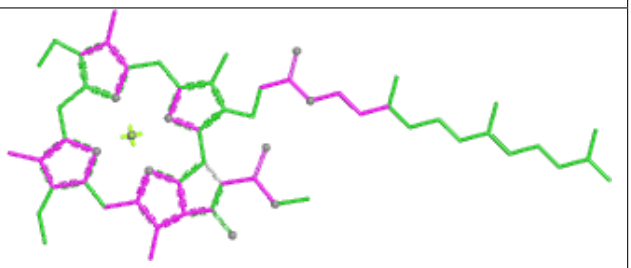
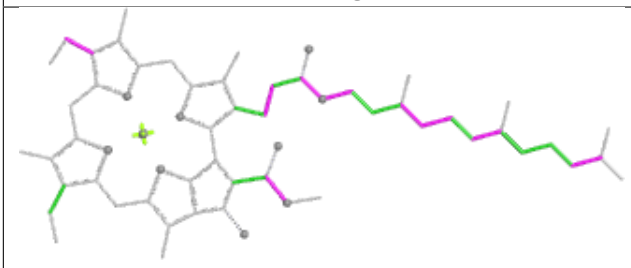
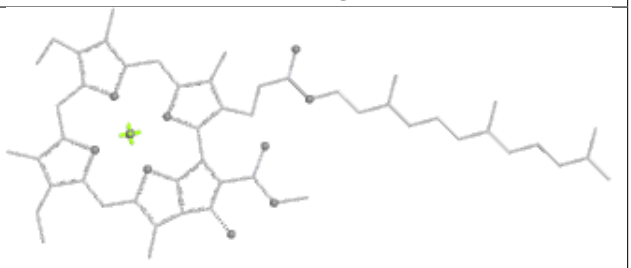
Bond angles



Torsions



Rings

Ligand CLA a 1131	
	
Bond lengths	Bond angles
	
Torsions	Rings

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

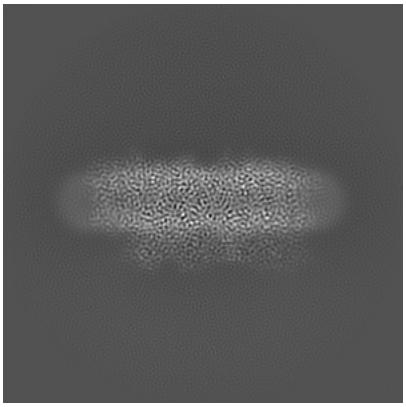
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-24821. These allow visual inspection of the internal detail of the map and identification of artifacts.

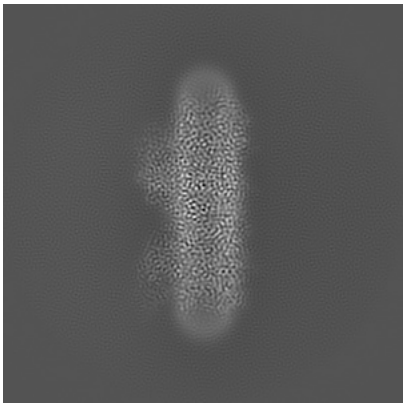
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

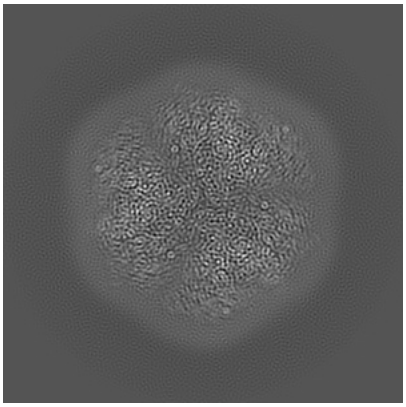
6.1.1 Primary map



X



Y

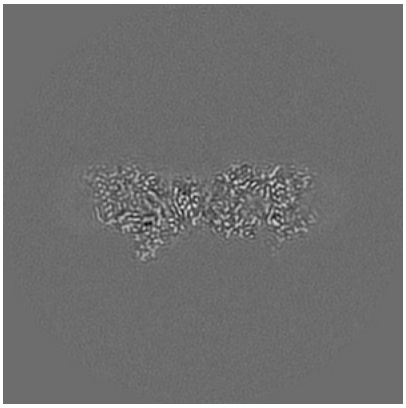


Z

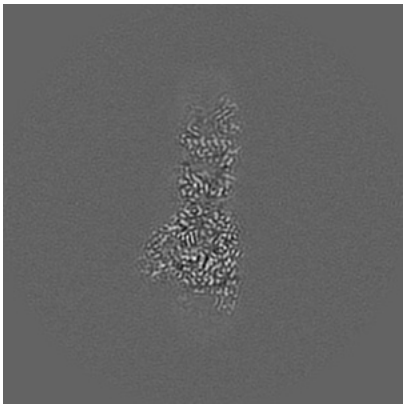
The images above show the map projected in three orthogonal directions.

6.2 Central slices

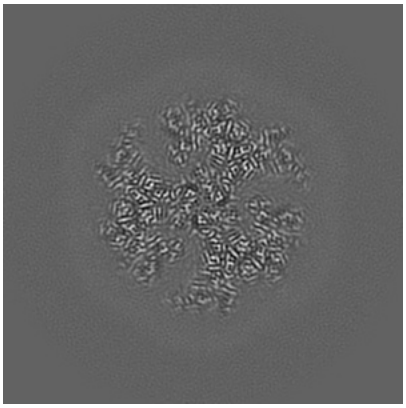
6.2.1 Primary map



X Index: 192



Y Index: 192

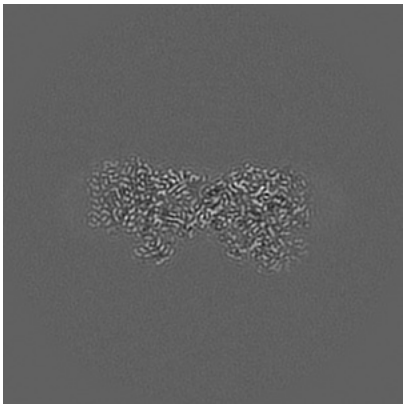


Z Index: 192

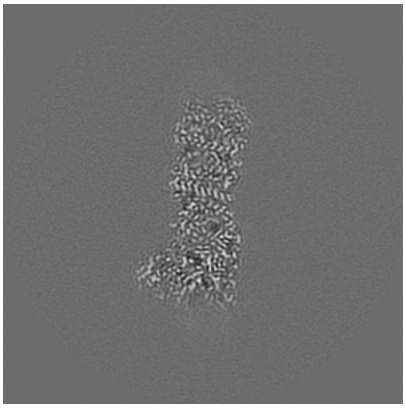
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

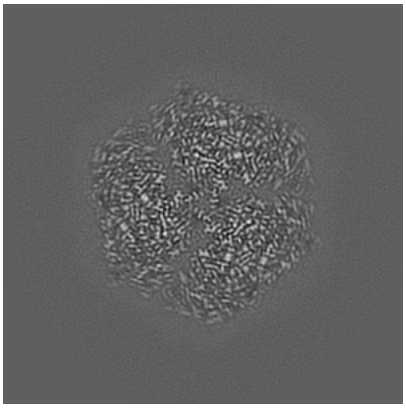
6.3.1 Primary map



X Index: 212



Y Index: 180

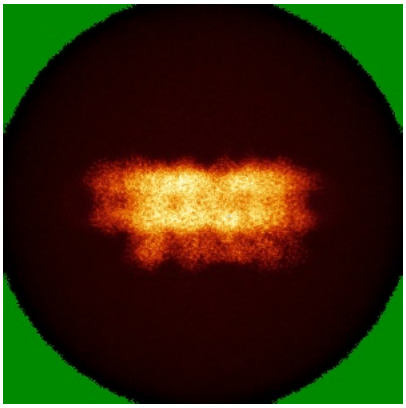


Z Index: 212

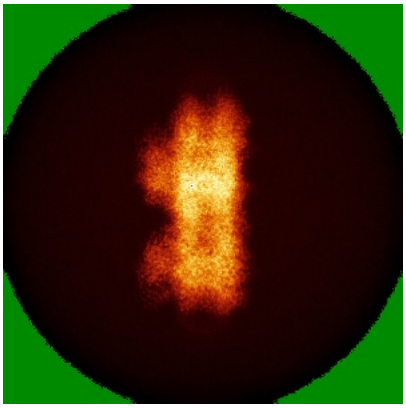
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

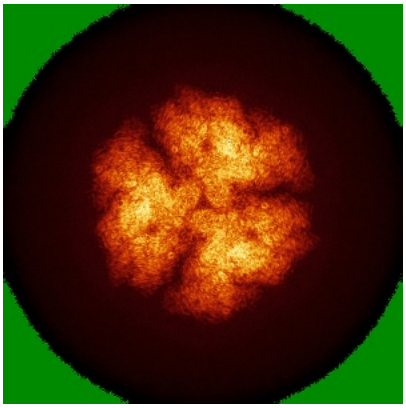
6.4.1 Primary map



X



Y

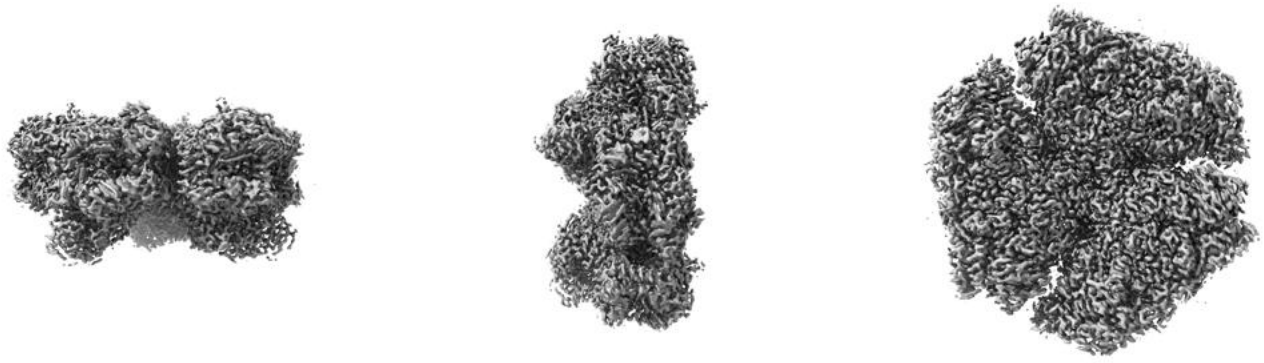


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.0302. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

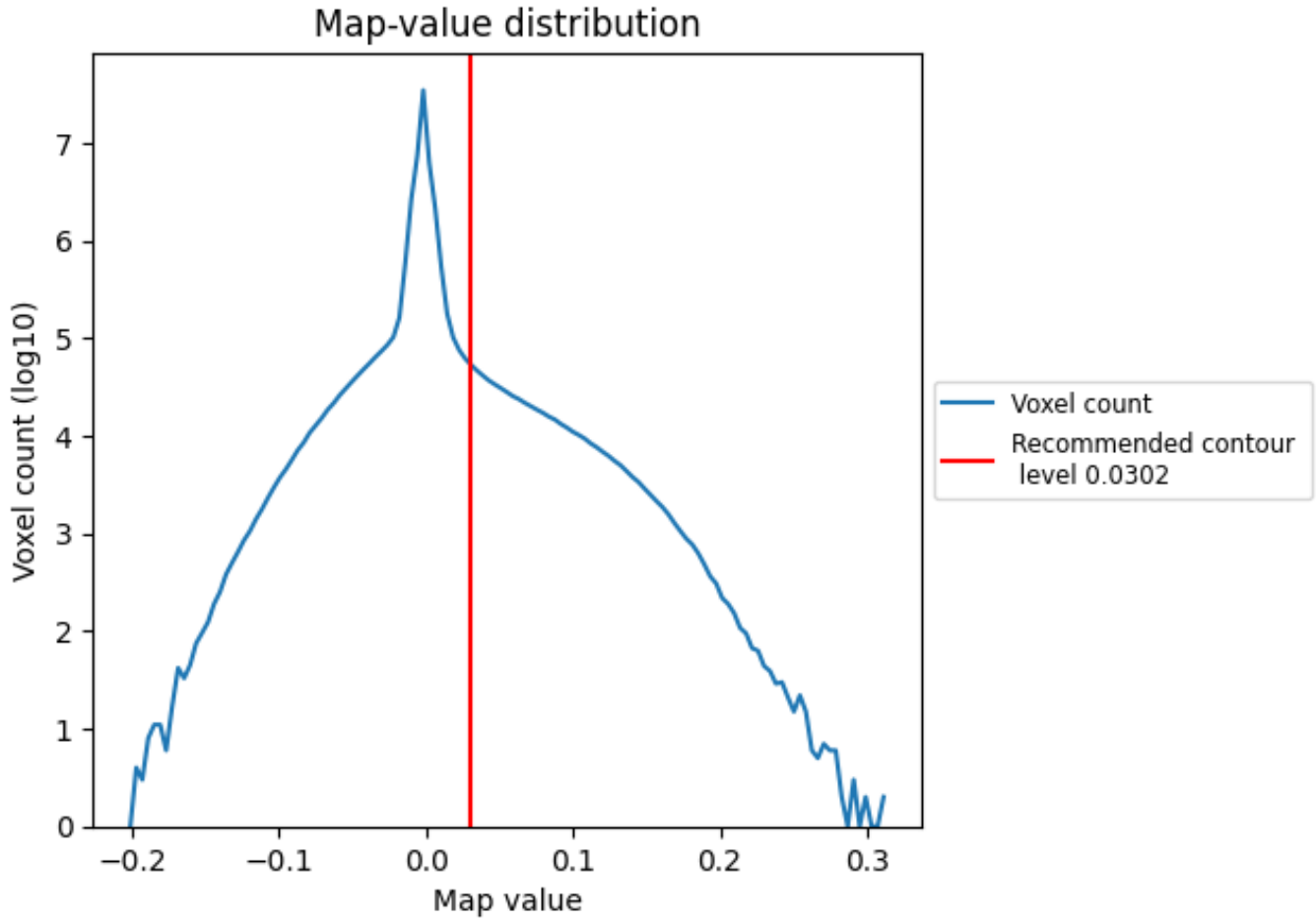
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

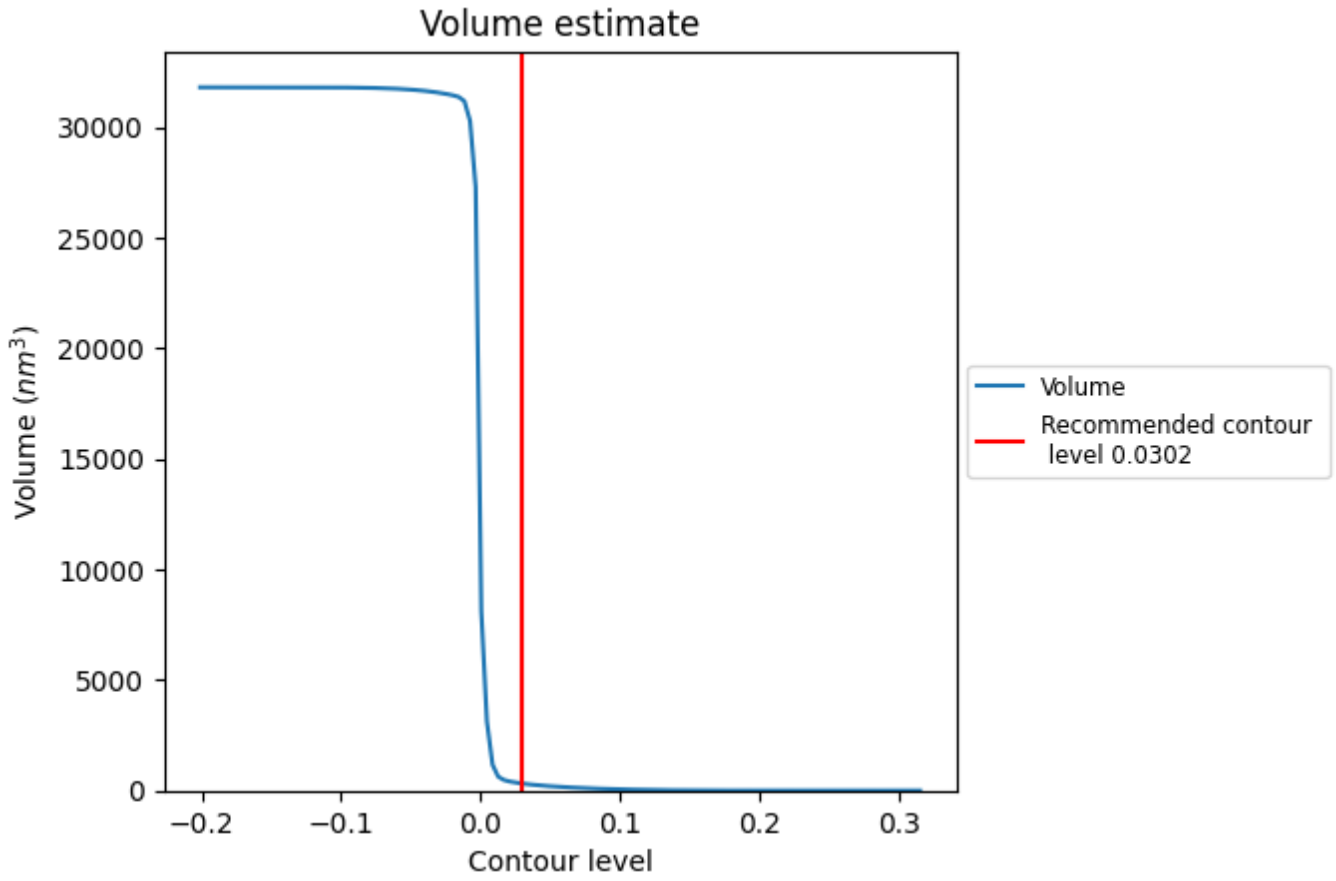
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

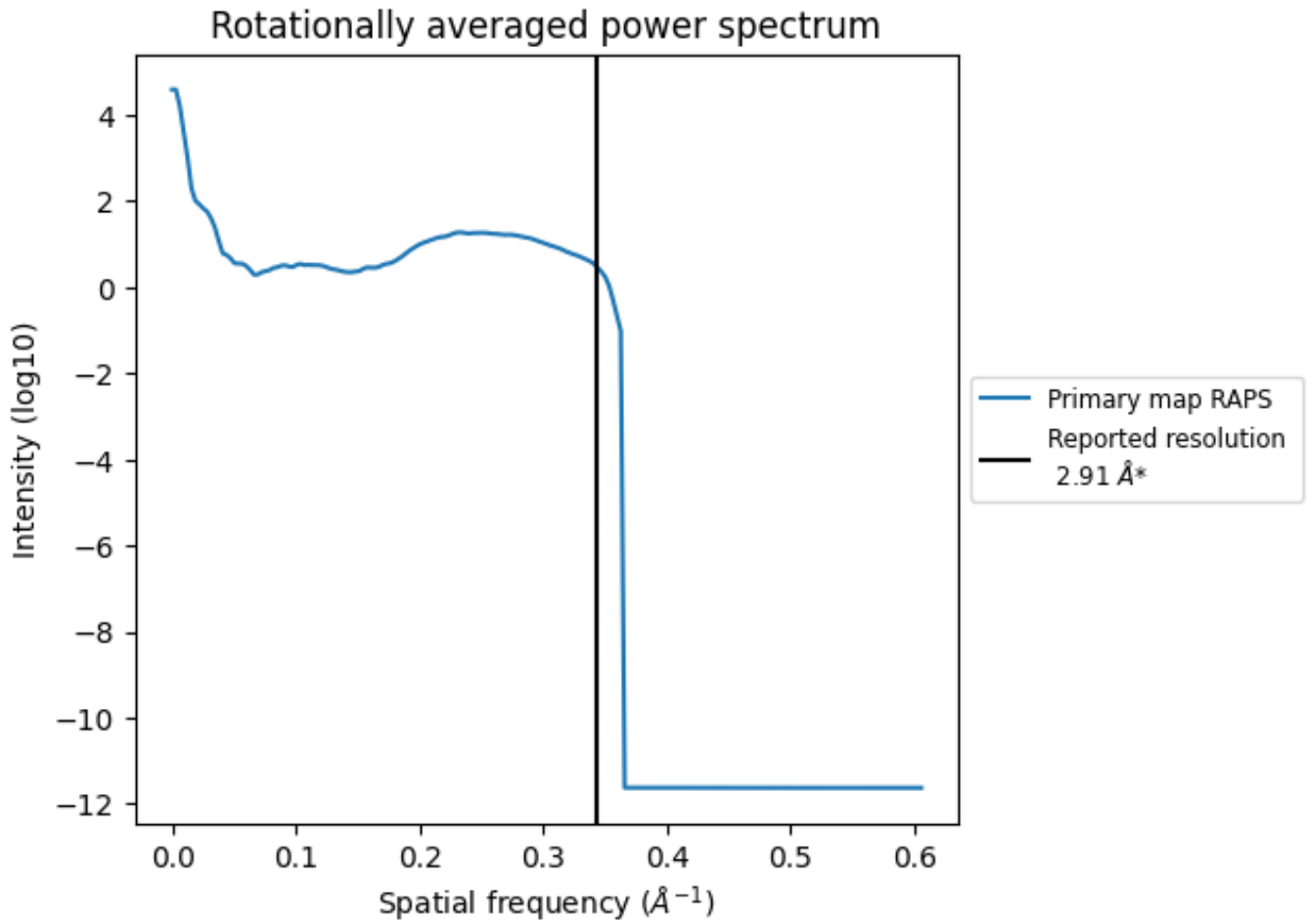
7.2 Volume estimate



The volume at the recommended contour level is 317 nm^3; this corresponds to an approximate mass of 286 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

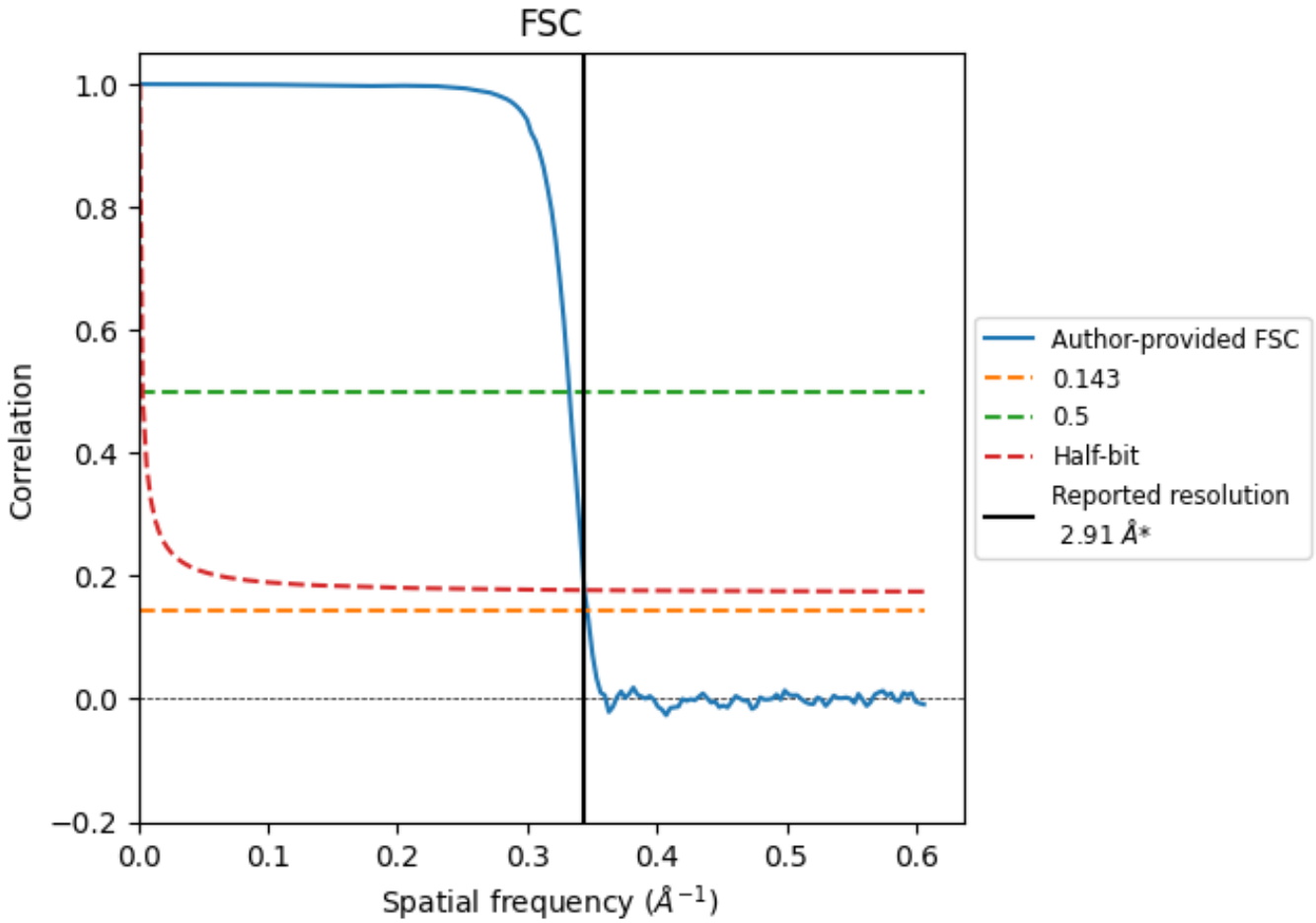


*Reported resolution corresponds to spatial frequency of 0.344 $Å^{-1}$

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.344 Å^{-1}

8.2 Resolution estimates (i)

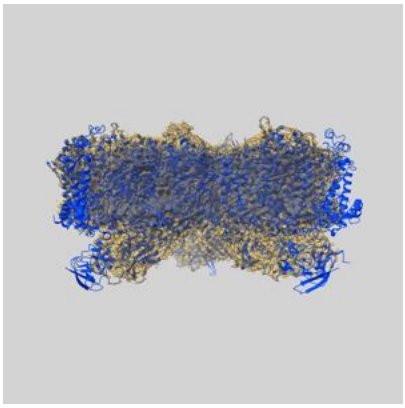
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.91	-	-
Author-provided FSC curve	2.89	3.01	2.91
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

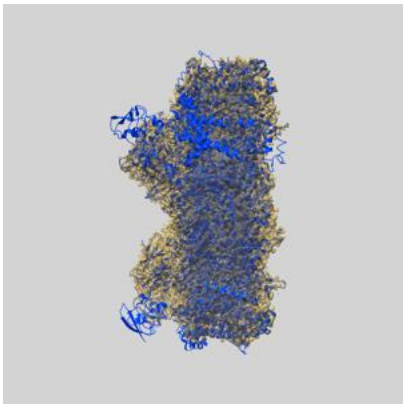
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-24821 and PDB model 7S3D. Per-residue inclusion information can be found in section 3 on page 34.

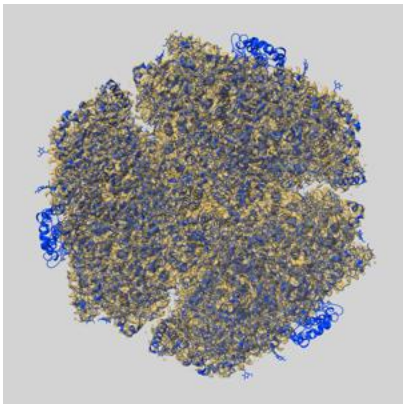
9.1 Map-model overlay



X



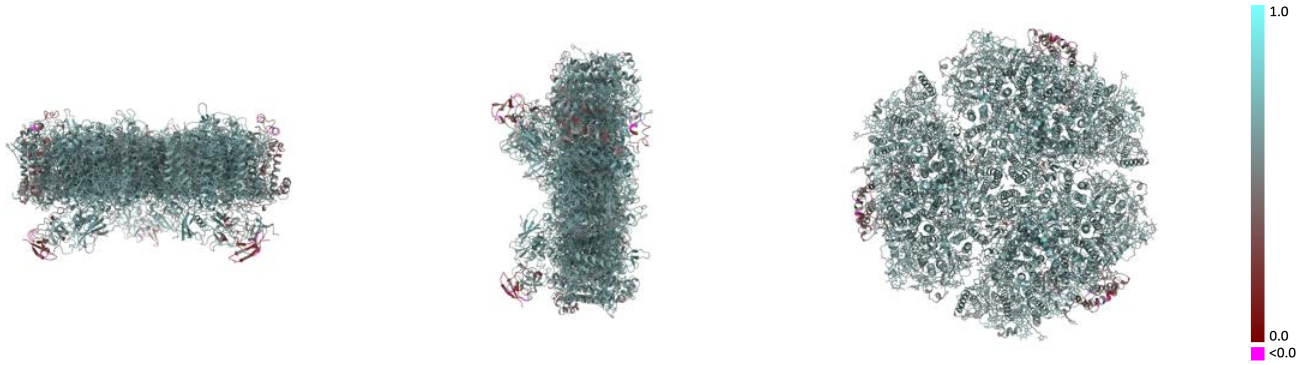
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.0302 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

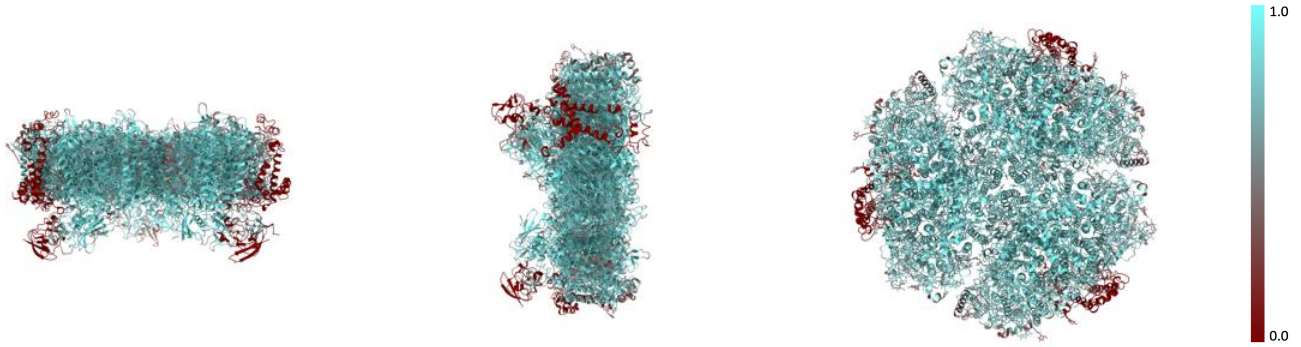
9.2 Q-score mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

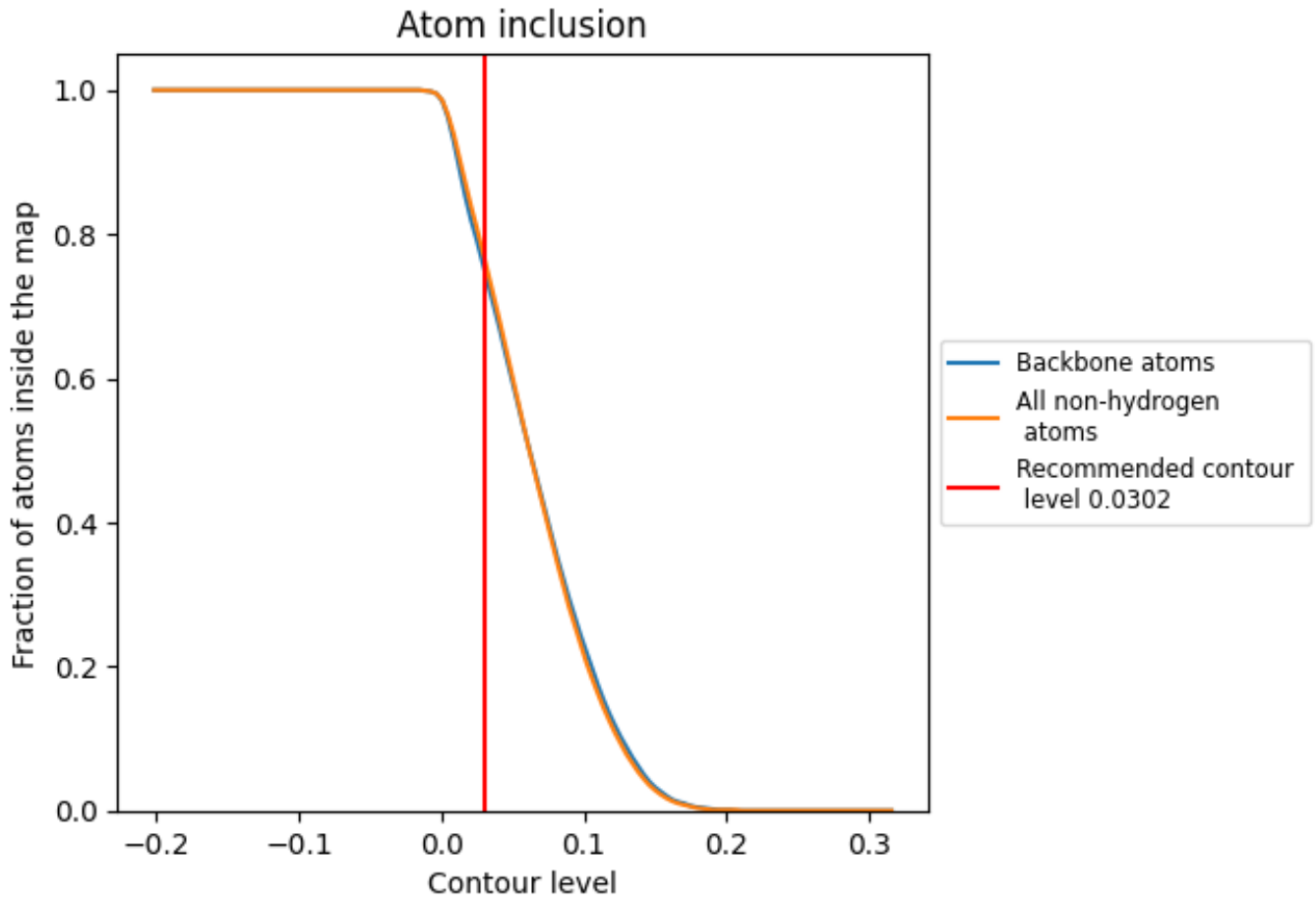
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.0302).

9.4 Atom inclusion (i)



At the recommended contour level, 75% of all backbone atoms, 77% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.0302) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.7670	0.5990
A	0.8190	0.6180
B	0.8490	0.6180
C	0.9230	0.6330
D	0.7650	0.5910
E	0.5790	0.5940
F	0.0060	0.4060
G	0.8200	0.6180
H	0.8490	0.6180
I	0.8910	0.6310
J	0.0070	0.4470
K	0.4810	0.5480
L	0.9190	0.6310
M	0.8230	0.6080
N	0.9150	0.6340
O	0.7600	0.5920
P	0.5810	0.5900
Q	0.0050	0.4060
R	0.8970	0.6320
S	0.0070	0.4420
T	0.4760	0.5470
U	0.9190	0.6310
V	0.8200	0.6090
W	0.0000	0.3220
X	0.0020	0.3220
a	0.8210	0.6180
b	0.8490	0.6160
c	0.9210	0.6320
d	0.7640	0.5910
e	0.5710	0.5880
f	0.0050	0.4080
i	0.8950	0.6300
j	0.0070	0.4380
k	0.4830	0.5460
l	0.9170	0.6310

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Chain	Atom inclusion	Q-score
m	0.8290	0.6040
x	0.0020	0.3230