Full wwPDB EM Validation Report ⓘ

Aug 27, 2026 – 12:05 PM EDT

PDB ID	:	10EG / pdb_000010eg
EMDB ID	:	EMD-75106
Title	:	Thermosynechococcus vestitus (BP-1) Photosystem I Complexed with Platinum Nanoparticles
Authors	:	Emerson, M.D.; Gisriel, C.J.
Deposited on	:	2026-01-15
Resolution	:	3.40 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:

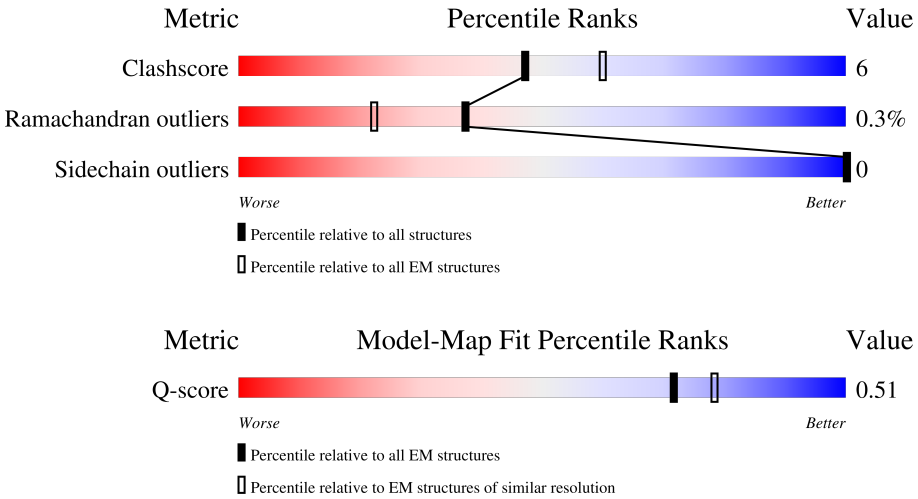
EMDB validation analysis	:	0.0.1.dev133
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data 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 3.40 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	14717 (2.90 - 3.90)

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	755	85% 12%
1	G	755	84% 14%
1	a	755	85% 13%
2	B	741	86% 13%

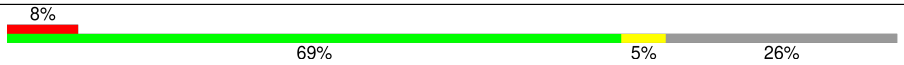
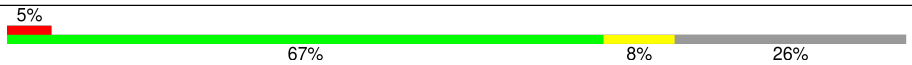
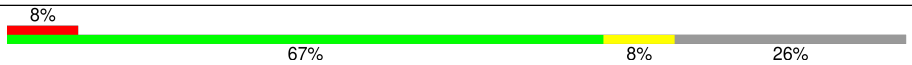
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Mol	Chain	Length	Quality of chain
2	H	741	85% 14%
2	b	741	87% 12%
3	C	81	85% 14%
3	N	81	85% 12%
3	c	81	85% 12%
4	D	139	91% 8%
4	O	139	89% 9%
4	d	139	84% 14%
5	E	76	83% 8% 9%
5	P	76	83% 8% 9%
5	e	76	75% 16% 9%
6	F	164	10% 73% 13% 14%
6	Q	164	9% 76% 10% 14%
6	f	164	10% 77% 9% 14%
7	I	38	84% 13%
7	R	38	87% 11%
7	i	38	79% 21%
8	J	41	95% 5%
8	S	41	93% 7%
8	j	41	93% 7%
9	K	83	12% 52% 45%
9	T	83	10% 52% 45%
9	k	83	11% 52% 45%
10	L	155	88% 10%
10	U	155	87% 10%

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Mol	Chain	Length	Quality of chain
10	l	155	
11	M	31	
11	V	31	
11	m	31	
12	W	39	
12	X	39	
12	x	39	

2 Entry composition (i)

There are 20 unique types of molecules in this entry. The entry contains 71748 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	740	Total	C	N	O	S	0	0
			5784	3794	988	976	26		
1	G	740	Total	C	N	O	S	0	0
			5784	3794	988	976	26		
1	a	740	Total	C	N	O	S	0	0
			5784	3794	988	976	26		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	739	Total	C	N	O	S	0	0
			5883	3870	987	1005	21		
2	H	739	Total	C	N	O	S	0	0
			5883	3870	987	1005	21		
2	b	739	Total	C	N	O	S	0	0
			5883	3870	987	1005	21		

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	C	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
3	N	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
3	c	80	Total	C	N	O	S	0	0
			598	367	103	117	11		

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	O	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		
4	d	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		

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

Mol	Chain	Residues	Atoms				AltConf	Trace
5	E	69	Total	C	N	O	0	0
			539	342	93	104		
5	P	69	Total	C	N	O	0	0
			539	342	93	104		
5	e	69	Total	C	N	O	0	0
			539	342	93	104		

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	Q	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	f	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	38	Total	C	N	O	S	0	0
			301	208	40	48	5		
7	R	38	Total	C	N	O	S	0	0
			301	208	40	48	5		
7	i	38	Total	C	N	O	S	0	0
			301	208	40	48	5		

- 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
			338	231	51	54	2		
8	S	41	Total	C	N	O	S	0	0
			338	231	51	54	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	j	41	Total	C	N	O	S	0	0
			338	231	51	54	2		

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

Mol	Chain	Residues	Atoms				AltConf	Trace
9	K	46	Total	C	N	O	0	0
			222	130	46	46		
9	T	46	Total	C	N	O	0	0
			222	130	46	46		
9	k	46	Total	C	N	O	0	0
			222	130	46	46		

- Molecule 10 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	L	151	Total	C	N	O	S	0	0
			1119	735	179	201	4		
10	U	151	Total	C	N	O	S	0	0
			1119	735	179	201	4		
10	l	151	Total	C	N	O	S	0	0
			1119	735	179	201	4		

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L	143	LEU	SER	conflict	UNP Q8DGB4
U	143	LEU	SER	conflict	UNP Q8DGB4
l	143	LEU	SER	conflict	UNP Q8DGB4

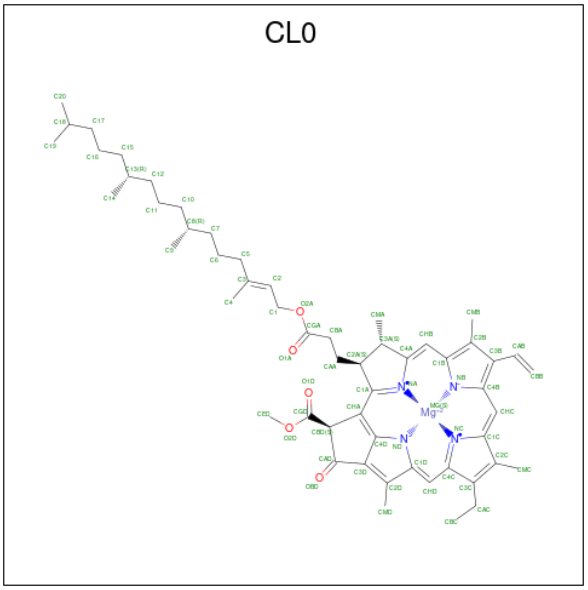
- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	M	31	Total	C	N	O	S	0	0
			237	158	35	43	1		
11	V	31	Total	C	N	O	S	0	0
			237	158	35	43	1		
11	m	31	Total	C	N	O	S	0	0
			237	158	35	43	1		

- Molecule 12 is a protein called Photosystem I 4.8K protein.

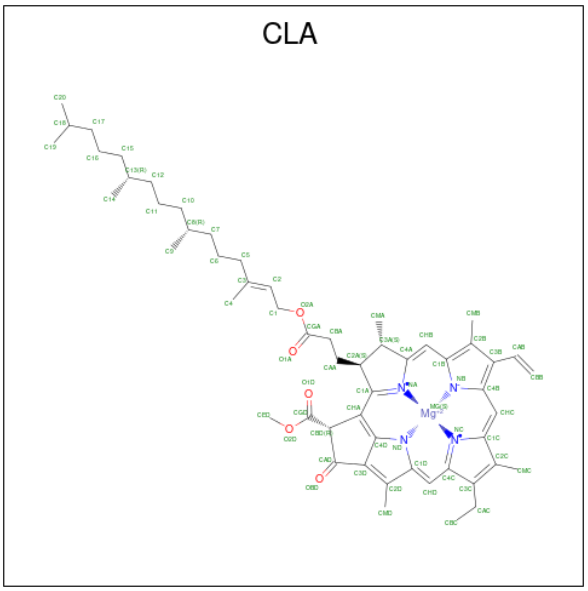
Mol	Chain	Residues	Atoms				AltConf	Trace
12	W	29	Total 232	C 163	N 34	O 35	0	0
12	X	29	Total 232	C 163	N 34	O 35	0	0
12	x	29	Total 232	C 163	N 34	O 35	0	0

- 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 65	C 55	Mg 1	N 4	O 5	0
13	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
13	a	1	Total 65	C 55	Mg 1	N 4	O 5	0

- Molecule 14 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



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
			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
			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
			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
			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
			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
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			50	40	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
			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	
14	A	1	Total	C	Mg	N	O	0
			51	41	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
			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
			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
			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
			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
			50	40	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	

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Mol	Chain	Residues	Atoms					AltConf
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
			41	33	1	4	3	
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	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
			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
			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
			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
			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
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total	C	Mg	N	O	0
			50	40	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
			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
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			51	41	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
			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
			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
			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
			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
			50	40	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	

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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
			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
			50	40	1	4	5	
14	G	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
			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
			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
			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
			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
			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
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
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
			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	
14	a	1	Total	C	Mg	N	O	0
			51	41	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
			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
			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
			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
			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
			50	40	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
			45	35	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
			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
			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	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
			50	40	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
			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
			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
			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
			55	45	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
			54	44	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			46	36	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
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			58	48	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
			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
			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
			65	55	1	4	5	
14	B	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
			50	40	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
			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
			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
			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
			55	45	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
			54	44	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			46	36	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
			45	35	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	H	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
			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
			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
			65	55	1	4	5	
14	H	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
			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
			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	

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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
			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
			55	45	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
			54	44	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			46	36	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
			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
			58	48	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
			45	35	1	4	5	

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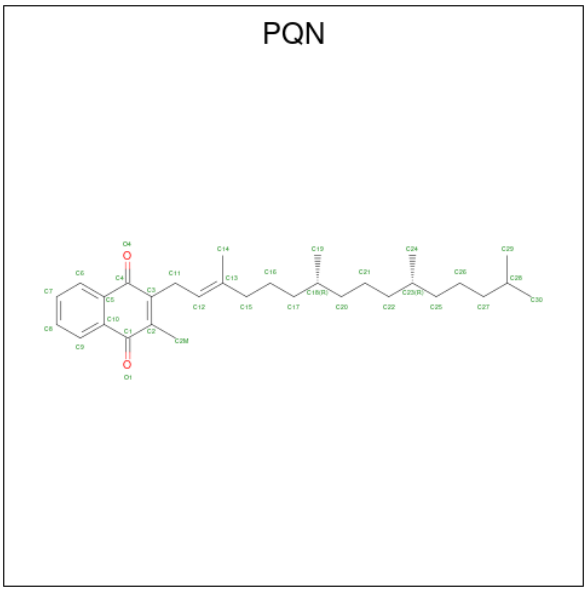
Mol	Chain	Residues	Atoms					AltConf
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	F	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	Q	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	Q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	R	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	J	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	J	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	J	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	K	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			41	33	1	4	3	

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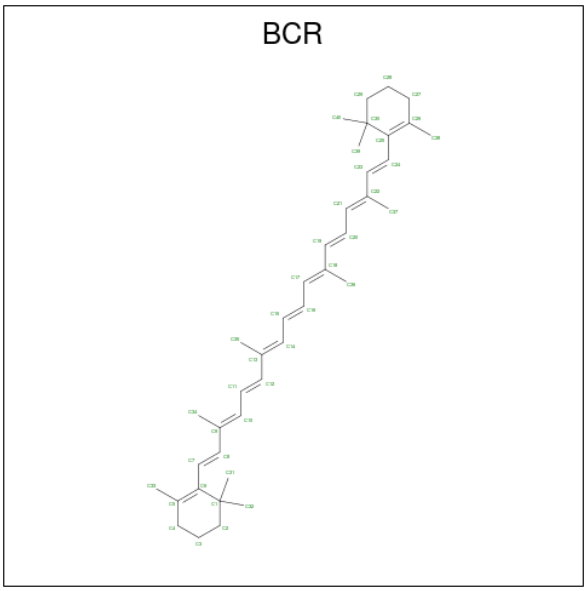
Mol	Chain	Residues	Atoms					AltConf
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			65	55	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
			65	55	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
			65	55	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
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	X	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	x	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 15 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



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

- Molecule 16 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$).



Mol	Chain	Residues	Atoms	AltConf
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	b	1	Total C 40 40	0

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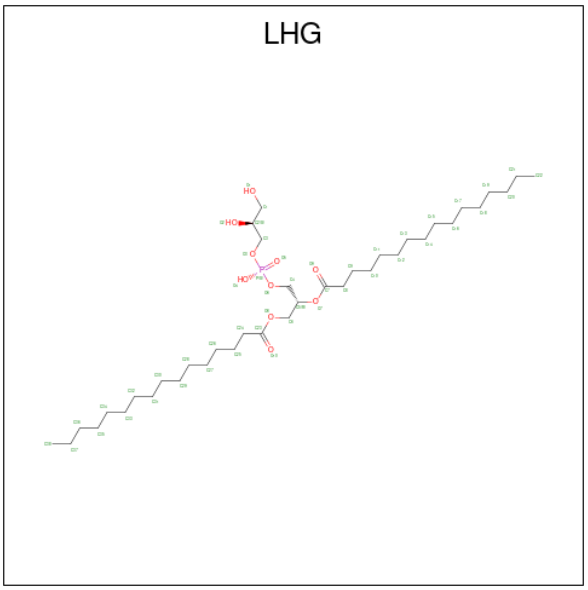
Mol	Chain	Residues	Atoms	AltConf
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	F	1	Total C 40 40	0
16	Q	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	I	1	Total C 40 40	0
16	R	1	Total C 40 40	0
16	i	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	S	1	Total C 40 40	0
16	S	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	L	1	Total C 40 40	0
16	L	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	L	1	Total C 40 40	0
16	U	1	Total C 40 40	0
16	U	1	Total C 40 40	0
16	U	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	M	1	Total C 40 40	0
16	V	1	Total C 40 40	0
16	m	1	Total C 40 40	0

- Molecule 17 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



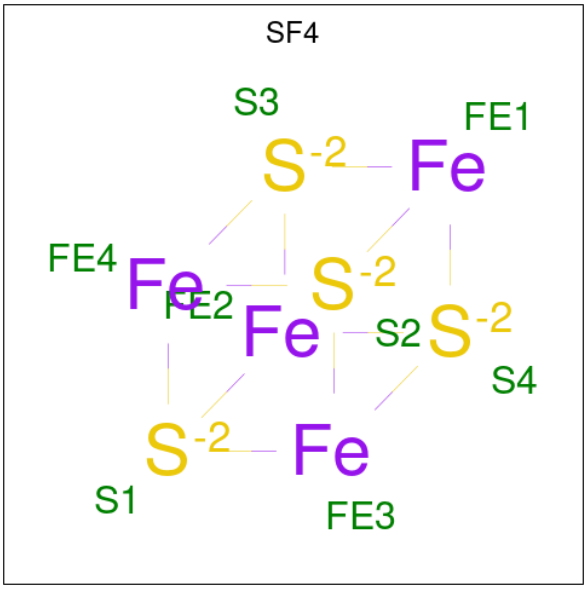
Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C O P 49 38 10 1	0

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Mol	Chain	Residues	Atoms				AltConf
17	A	1	Total	C	O	P	0
			27	16	10	1	
17	G	1	Total	C	O	P	0
			49	38	10	1	
17	G	1	Total	C	O	P	0
			27	16	10	1	
17	a	1	Total	C	O	P	0
			49	38	10	1	
17	a	1	Total	C	O	P	0
			27	16	10	1	

- Molecule 18 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



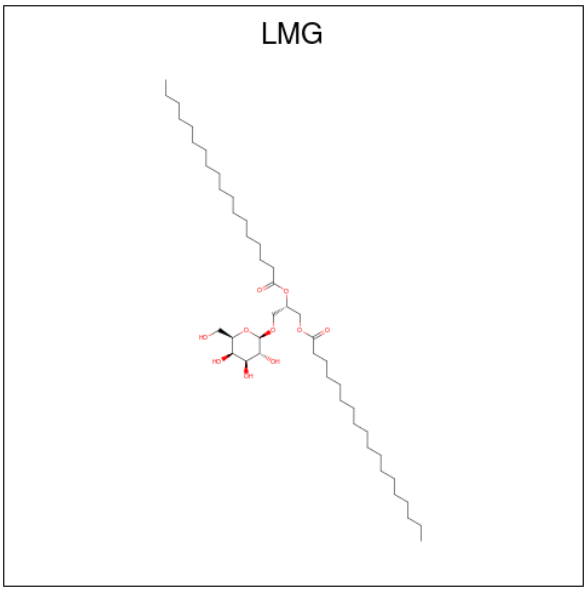
Mol	Chain	Residues	Atoms				AltConf
18	A	1	Total	Fe	S		0
			8	4	4		
18	G	1	Total	Fe	S		0
			8	4	4		
18	a	1	Total	Fe	S		0
			8	4	4		
18	C	1	Total	Fe	S		0
			8	4	4		
18	C	1	Total	Fe	S		0
			8	4	4		
18	N	1	Total	Fe	S		0
			8	4	4		

Continued on next page...

Continued from previous page...

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

- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



Mol	Chain	Residues	Atoms	AltConf
19	B	1	Total C O 51 41 10	0
19	H	1	Total C O 51 41 10	0
19	b	1	Total C O 51 41 10	0

- Molecule 20 is CALCIUM ION (CCD ID: CA) (formula: Ca).

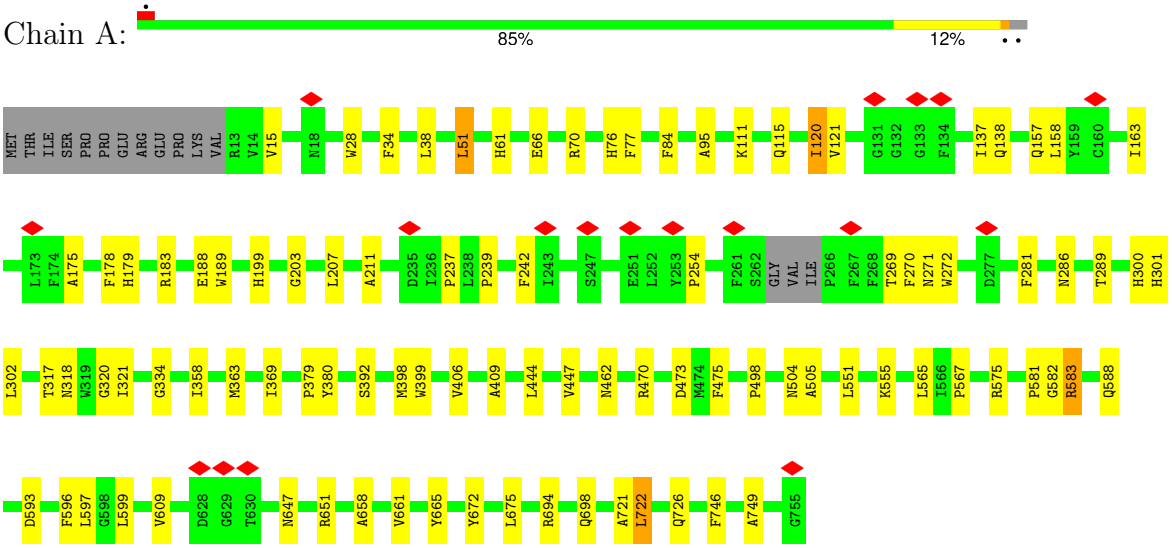
Mol	Chain	Residues	Atoms	AltConf
20	L	2	Total Ca 2 2	0
20	U	1	Total Ca 1 1	0

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.

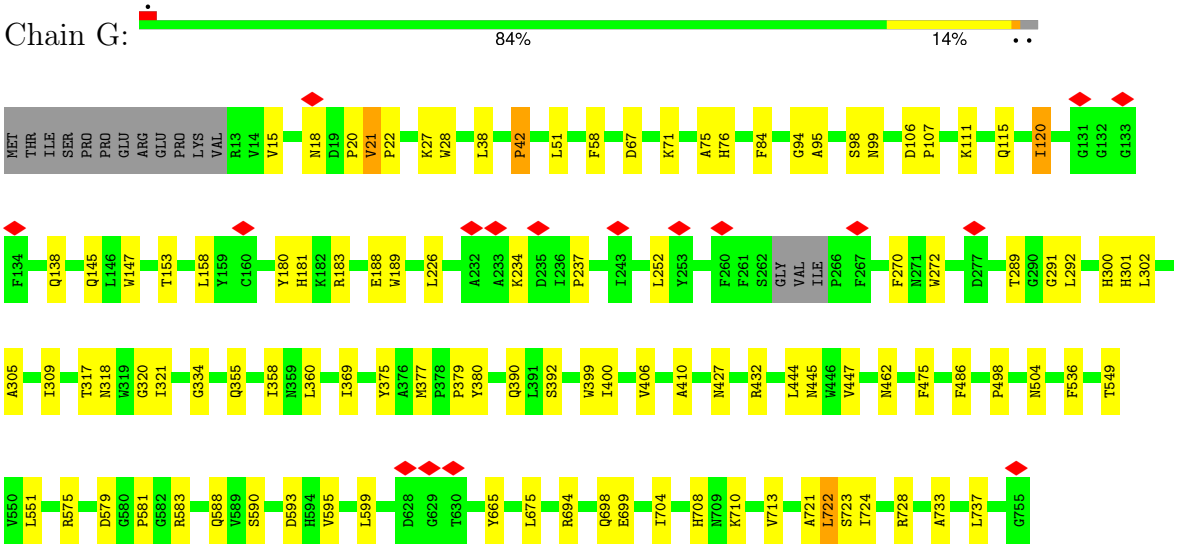
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain A:



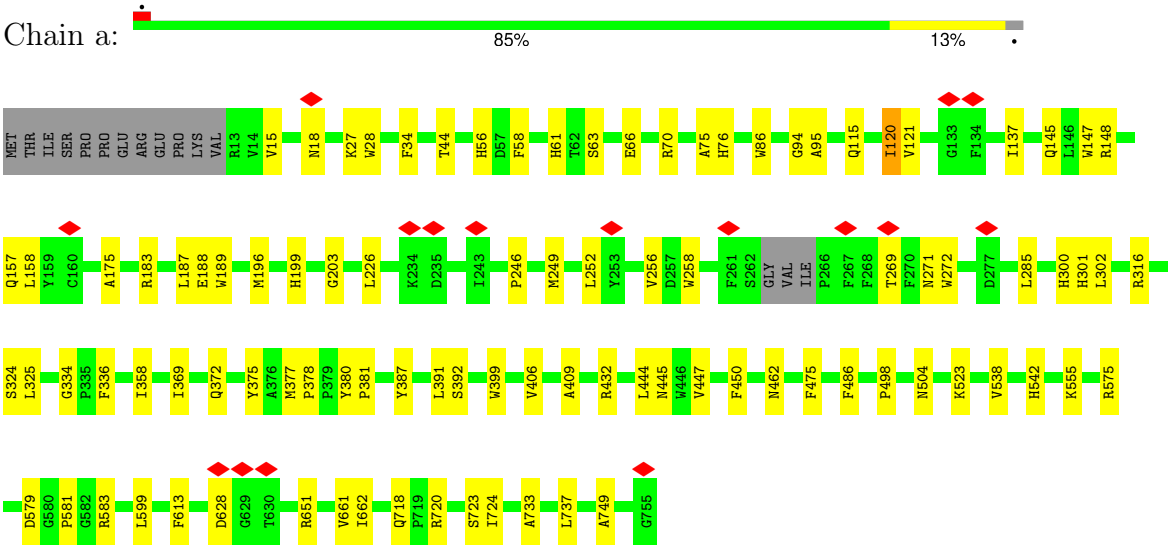
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain G:



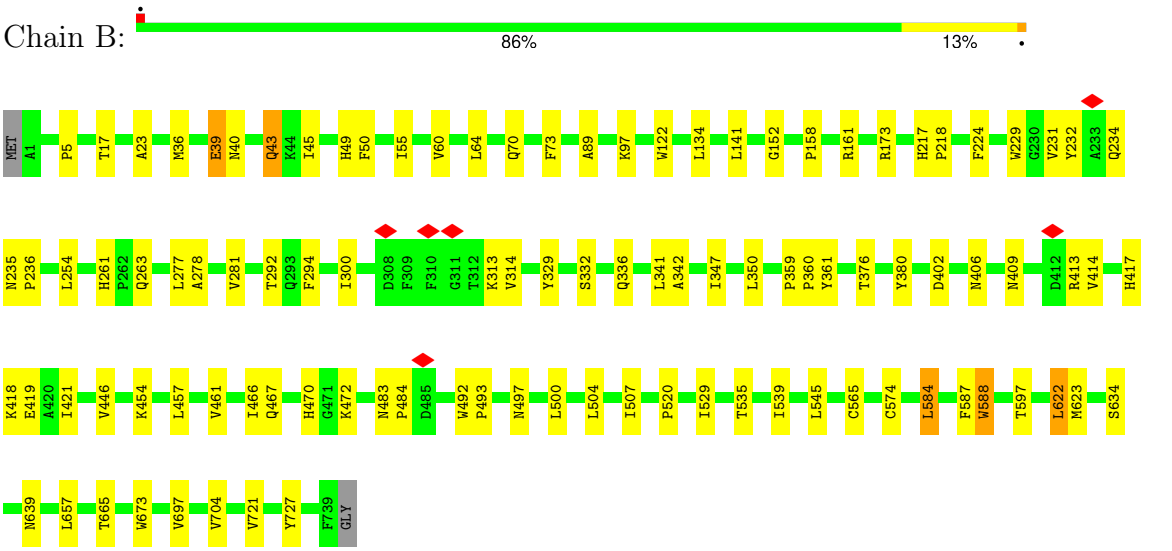
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain a:



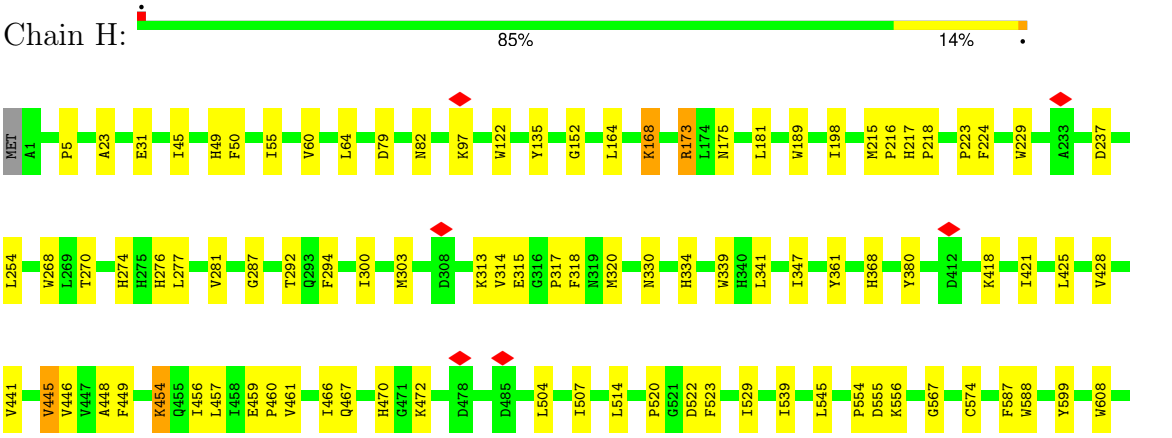
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:



• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain H:

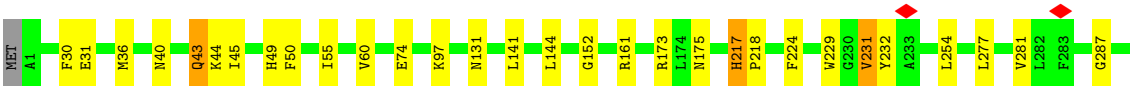




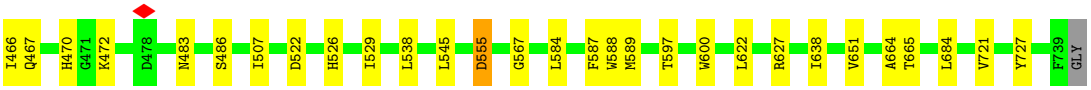
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain b:





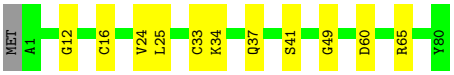




• Molecule 3: Photosystem I iron-sulfur center

Chain C:

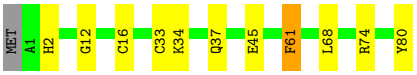




• Molecule 3: Photosystem I iron-sulfur center

Chain N:

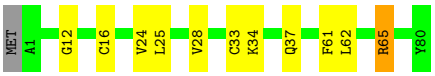




• Molecule 3: Photosystem I iron-sulfur center

Chain c:





• Molecule 4: Photosystem I reaction center subunit II

Chain D:

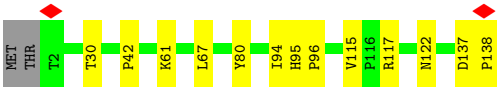




• Molecule 4: Photosystem I reaction center subunit II

Chain O:

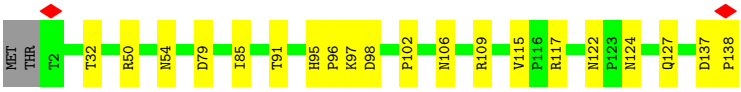




• Molecule 4: Photosystem I reaction center subunit II

Chain d:

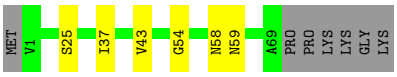




• Molecule 5: Photosystem I reaction center subunit IV

Chain E:

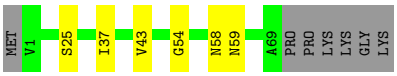




• Molecule 5: Photosystem I reaction center subunit IV

Chain P:





• Molecule 5: Photosystem I reaction center subunit IV

Chain e:

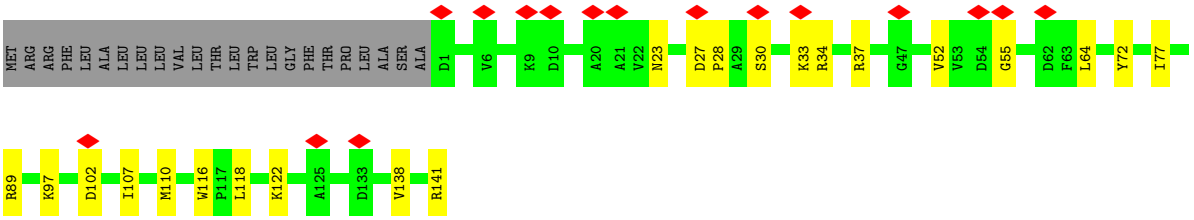




• Molecule 6: Photosystem I reaction center subunit III

Chain F:

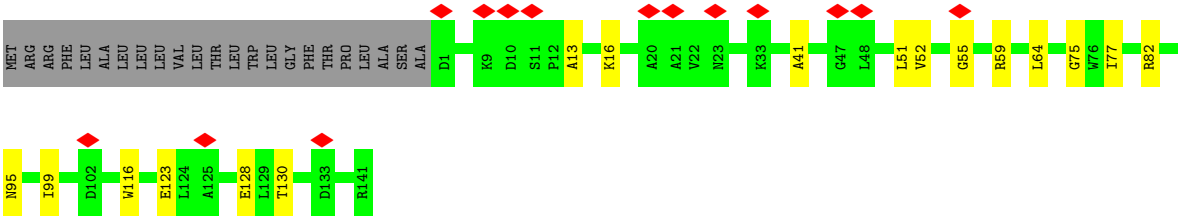




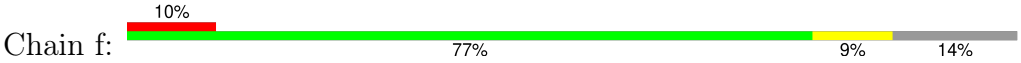
• Molecule 6: Photosystem I reaction center subunit III

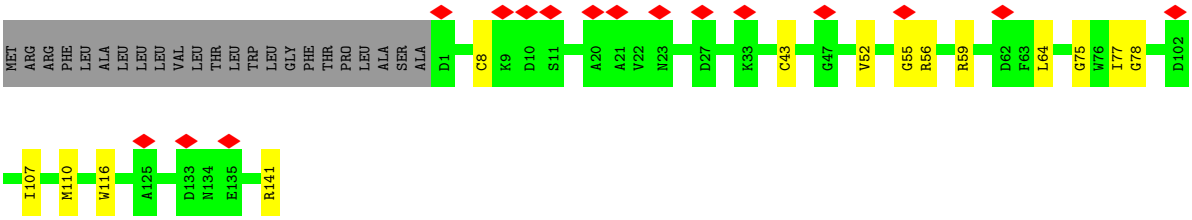
Chain Q:



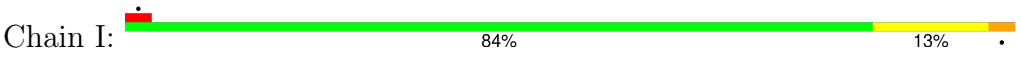


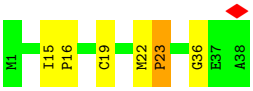
• Molecule 6: Photosystem I reaction center subunit III



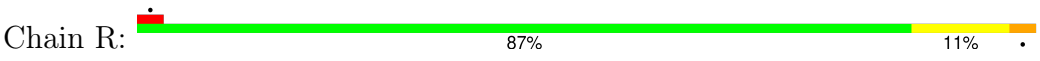


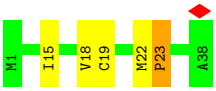
• Molecule 7: Photosystem I reaction center subunit VIII



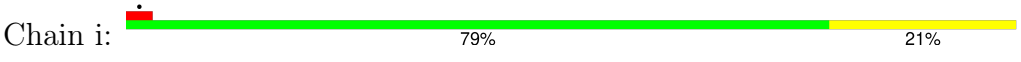


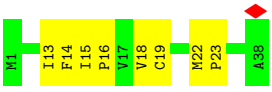
• Molecule 7: Photosystem I reaction center subunit VIII



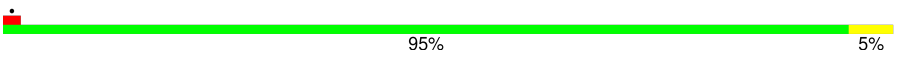


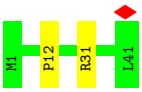
• Molecule 7: Photosystem I reaction center subunit VIII





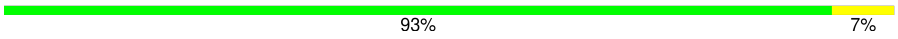
• Molecule 8: Photosystem I reaction center subunit IX

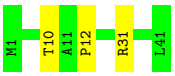




• Molecule 8: Photosystem I reaction center subunit IX

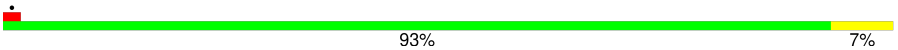
Chain S:





• Molecule 8: Photosystem I reaction center subunit IX

Chain j:

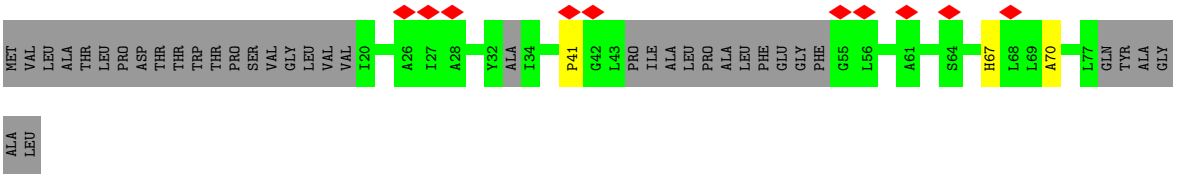




• Molecule 9: Photosystem I reaction center subunit PsaK

Chain K:

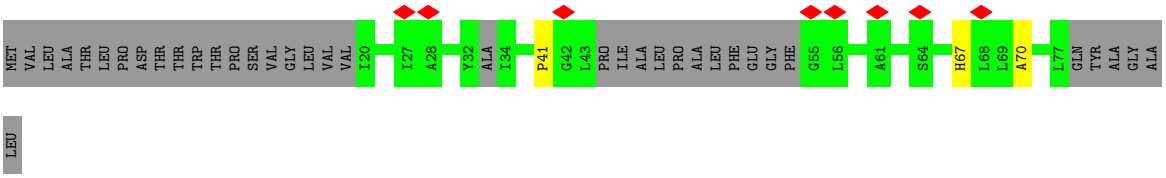




• Molecule 9: Photosystem I reaction center subunit PsaK

Chain T:

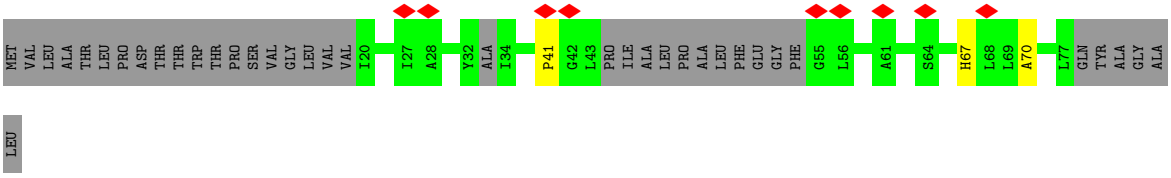




• Molecule 9: Photosystem I reaction center subunit PsaK

Chain k:

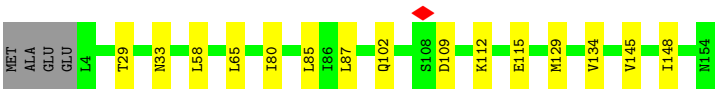




• Molecule 10: Photosystem I reaction center subunit XI

Chain L:

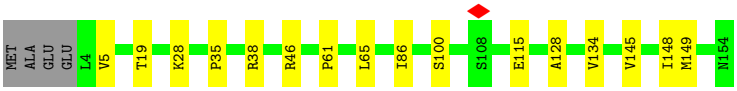




• Molecule 10: Photosystem I reaction center subunit XI

Chain U:





• Molecule 10: Photosystem I reaction center subunit XI

Chain l:

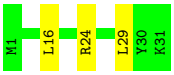




• Molecule 11: Photosystem I reaction center subunit XII

Chain M:





• Molecule 11: Photosystem I reaction center subunit XII

Chain V:





• Molecule 11: Photosystem I reaction center subunit XII

Chain m:

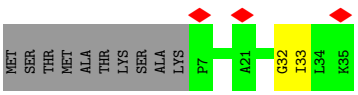




• Molecule 12: Photosystem I 4.8K protein

Chain W:

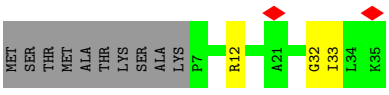




• Molecule 12: Photosystem I 4.8K protein

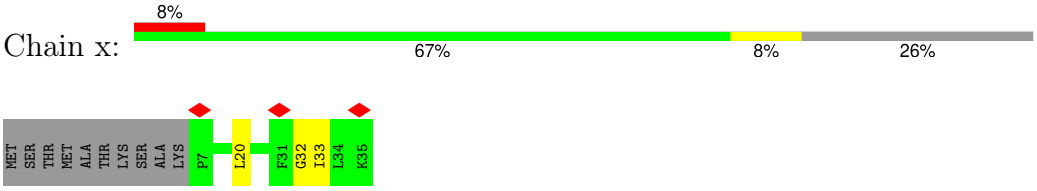
Chain X:





• Molecule 12: Photosystem I 4.8K 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	19151	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TALOS ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/Å^2$)	1.0	Depositor
Minimum defocus (nm)	800	Depositor
Maximum defocus (nm)	2200	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	2.968	Depositor
Minimum map value	-0.994	Depositor
Average map value	0.010	Depositor
Map value standard deviation	0.077	Depositor
Recommended contour level	0.302	Depositor
Map size (Å)	383.04, 383.04, 383.04	wwPDB
Map dimensions	360, 360, 360	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.064, 1.064, 1.064	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

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

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	0.54	7/5983 (0.1%)	0.80	11/8158 (0.1%)
1	G	0.73	17/5983 (0.3%)	1.07	31/8158 (0.4%)
1	a	0.44	2/5983 (0.0%)	0.77	6/8158 (0.1%)
2	B	0.56	6/6100 (0.1%)	0.82	11/8336 (0.1%)
2	H	0.53	3/6100 (0.0%)	0.86	19/8336 (0.2%)
2	b	0.59	12/6100 (0.2%)	0.85	11/8336 (0.1%)
3	C	0.43	0/608	0.91	0/824
3	N	0.45	0/608	0.97	2/824 (0.2%)
3	c	0.48	0/608	0.88	3/824 (0.4%)
4	D	0.34	0/1094	0.64	1/1482 (0.1%)
4	O	0.28	0/1094	0.65	0/1482
4	d	0.37	0/1094	0.70	1/1482 (0.1%)
5	E	0.40	0/551	0.72	0/750
5	P	0.33	0/551	0.67	0/750
5	e	0.37	0/551	0.71	0/750
6	F	0.41	0/1087	0.74	0/1476
6	Q	0.44	1/1087 (0.1%)	0.79	2/1476 (0.1%)
6	f	0.40	0/1087	0.74	0/1476
7	I	0.46	0/312	0.92	2/425 (0.5%)
7	R	0.49	0/312	0.94	1/425 (0.2%)
7	i	0.38	0/312	0.79	1/425 (0.2%)
8	J	0.45	0/350	0.92	0/477
8	S	0.47	0/350	0.89	0/477
8	j	0.44	0/350	0.92	1/477 (0.2%)
9	K	0.24	0/219	0.54	0/297
9	T	0.25	0/219	0.55	0/297
9	k	0.26	0/219	0.58	0/297
10	L	0.35	0/1148	0.67	0/1558
10	U	0.39	0/1148	0.72	1/1558 (0.1%)
10	l	0.37	0/1148	0.73	1/1558 (0.1%)
11	M	0.44	0/240	0.78	0/328
11	V	0.44	0/240	0.92	2/328 (0.6%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
11	m	0.48	0/240	0.98	3/328 (0.9%)
12	W	0.40	0/241	0.70	0/330
12	X	0.39	0/241	0.72	0/330
12	x	0.40	0/241	0.72	0/330
All	All	0.52	48/53799 (0.1%)	0.83	110/73323 (0.2%)

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	1
2	H	0	1
2	b	0	1
4	D	0	1
4	O	0	1
4	d	0	1
6	F	0	2
6	Q	0	1
6	f	0	1
11	M	0	1
11	V	0	1
11	m	0	1
All	All	0	13

All (48) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	G	22	PRO	CG-CD	-26.43	0.60	1.50
1	A	498	PRO	CG-CD	-13.60	1.04	1.50
1	G	107	PRO	CG-CD	-13.28	1.05	1.50
1	G	237	PRO	N-CA	11.03	1.61	1.47
1	G	107	PRO	CB-CG	-9.96	0.99	1.49
1	G	722	LEU	CG-CD1	-9.70	1.20	1.52
2	b	588	TRP	CE2-CZ2	-9.69	1.19	1.39
1	G	237	PRO	CG-CD	-9.57	1.18	1.50
1	a	498	PRO	CG-CD	-8.92	1.20	1.50
2	b	43	GLN	CD-NE2	-8.91	1.14	1.33
1	G	498	PRO	CG-CD	-8.65	1.21	1.50
1	G	22	PRO	N-CD	8.00	1.58	1.47
1	G	21	VAL	C-N	7.95	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	b	43	GLN	CG-CD	-7.88	1.32	1.52
2	B	43	GLN	CD-NE2	-7.85	1.16	1.33
1	G	107	PRO	CA-CB	-7.73	1.40	1.53
2	B	332	SER	CA-CB	-7.54	1.41	1.53
2	B	588	TRP	CE2-CZ2	-7.23	1.24	1.39
1	G	106	ASP	CA-C	7.07	1.60	1.52
2	H	539	ILE	CG1-CD1	-6.84	1.25	1.51
1	A	722	LEU	CG-CD1	-6.83	1.29	1.52
2	b	588	TRP	CB-CG	-6.74	1.29	1.50
1	G	237	PRO	CA-C	6.60	1.59	1.52
1	A	665	TYR	CD1-CE1	-6.49	1.19	1.38
6	Q	130	THR	CB-CG2	-6.42	1.31	1.52
2	B	588	TRP	CB-CG	-6.21	1.31	1.50
2	b	217	HIS	C-N	6.17	1.48	1.33
2	b	555	ASP	CB-CG	-6.14	1.36	1.52
2	b	218	PRO	N-CD	6.13	1.56	1.47
1	A	665	TYR	CD2-CE2	-5.98	1.20	1.38
1	A	597	LEU	CG-CD1	-5.92	1.33	1.52
1	G	22	PRO	CB-CG	5.80	1.78	1.49
2	b	588	TRP	CD2-CE2	-5.79	1.31	1.41
1	G	21	VAL	C-O	-5.74	1.18	1.24
1	G	106	ASP	N-CA	5.70	1.53	1.46
1	G	107	PRO	N-CD	-5.64	1.39	1.47
2	B	584	LEU	CG-CD1	-5.63	1.33	1.52
2	b	218	PRO	CG-CD	-5.61	1.31	1.50
2	b	43	GLN	CB-CG	-5.55	1.35	1.52
2	H	217	HIS	C-N	5.53	1.46	1.33
1	A	583	ARG	CG-CD	-5.43	1.36	1.52
2	B	43	GLN	CD-OE1	-5.41	1.13	1.23
1	a	555	LYS	CD-CE	-5.28	1.36	1.52
2	b	231	VAL	CB-CG2	-5.28	1.35	1.52
2	b	584	LEU	CG-CD1	-5.20	1.35	1.52
1	A	555	LYS	CD-CE	-5.16	1.36	1.52
2	H	445	VAL	CB-CG1	-5.10	1.35	1.52
1	G	498	PRO	N-CD	5.07	1.54	1.47

All (110) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	G	237	PRO	N-CD-CG	-29.91	58.34	103.20
1	G	22	PRO	N-CD-CG	-27.69	61.66	103.20
1	G	237	PRO	CA-CB-CG	-25.88	55.32	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	G	107	PRO	CB-CG-CD	23.08	179.95	106.10
1	a	498	PRO	N-CD-CG	-18.82	74.97	103.20
1	G	498	PRO	N-CD-CG	-16.82	77.97	103.20
1	G	107	PRO	N-CD-CG	-16.20	78.89	103.20
1	A	498	PRO	N-CD-CG	-15.82	79.47	103.20
2	b	218	PRO	CA-N-CD	-13.80	92.68	112.00
1	G	107	PRO	CA-CB-CG	-13.31	79.22	104.50
1	A	498	PRO	CA-N-CD	-13.24	93.47	112.00
2	H	218	PRO	CA-N-CD	-13.11	93.64	112.00
1	G	22	PRO	CA-CB-CG	-12.80	80.18	104.50
1	G	498	PRO	CA-N-CD	-12.43	94.60	112.00
1	a	498	PRO	CA-N-CD	-11.52	95.88	112.00
1	A	254	PRO	CA-N-CD	-11.42	96.01	112.00
1	a	498	PRO	CA-CB-CG	-11.13	83.34	104.50
2	B	623	MET	CG-SD-CE	10.95	125.00	100.90
1	G	22	PRO	CA-N-CD	-10.87	96.78	112.00
1	A	498	PRO	CA-CB-CG	-10.41	84.72	104.50
1	G	237	PRO	CB-CA-C	9.94	124.63	111.71
1	A	722	LEU	CD1-CG-CD2	-9.56	89.77	110.80
1	G	498	PRO	CA-CB-CG	-9.54	86.38	104.50
1	G	106	ASP	CA-C-O	-9.35	110.38	119.91
1	G	237	PRO	CA-N-CD	-9.04	99.34	112.00
4	d	102	PRO	CA-N-CD	-8.60	99.97	112.00
2	b	588	TRP	CH2-CZ2-CE2	8.37	128.38	117.50
2	H	341	LEU	CD1-CG-CD2	-7.93	93.35	110.80
1	G	21	VAL	O-C-N	-7.93	114.28	121.41
2	B	341	LEU	CD1-CG-CD2	-7.83	93.58	110.80
7	R	23	PRO	CA-N-CD	-7.83	101.04	112.00
7	I	16	PRO	CA-N-CD	-7.73	101.18	112.00
1	G	107	PRO	CA-N-CD	-7.71	101.21	112.00
2	b	555	ASP	CB-CG-OD1	-7.42	101.32	118.40
2	H	64	LEU	CD1-CG-CD2	-6.75	95.96	110.80
2	b	584	LEU	CD1-CG-CD2	-6.73	96.00	110.80
7	I	23	PRO	CA-N-CD	-6.69	102.63	112.00
2	H	223	PRO	CA-N-CD	-6.53	102.85	112.00
2	H	217	HIS	C-N-CD	6.46	151.47	125.00
2	b	313	LYS	CA-C-N	6.40	133.50	121.97
2	b	313	LYS	C-N-CA	6.40	133.50	121.97
2	B	622	LEU	CA-C-N	-6.40	109.94	121.14
2	B	622	LEU	C-N-CA	-6.40	109.94	121.14
2	B	64	LEU	CD1-CG-CD2	-6.38	96.76	110.80
1	G	21	VAL	CA-C-O	-6.29	115.10	119.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	G	42	PRO	CA-N-CD	-6.12	103.44	112.00
2	b	218	PRO	N-CD-CG	-6.11	94.04	103.20
1	G	237	PRO	N-CA-CB	-6.11	97.74	103.17
2	B	623	MET	CB-CG-SD	6.10	131.00	112.70
2	B	584	LEU	CD1-CG-CD2	-6.10	97.38	110.80
1	G	710	LYS	CD-CE-NZ	6.09	131.38	111.90
1	G	21	VAL	CA-C-N	-6.06	114.03	120.03
1	G	21	VAL	C-N-CA	-6.06	114.03	120.03
2	H	215	MET	CA-CB-CG	6.06	126.23	114.10
3	N	61	PHE	CA-C-N	6.05	130.33	121.31
3	N	61	PHE	C-N-CA	6.05	130.33	121.31
1	G	22	PRO	N-CA-CB	-6.03	97.05	103.38
1	G	106	ASP	O-C-N	-6.00	117.65	121.85
2	H	217	HIS	CA-C-N	-5.96	112.38	119.84
2	H	217	HIS	C-N-CA	-5.96	112.38	119.84
11	m	30	TYR	N-CA-CB	5.93	120.52	110.49
6	Q	130	THR	OG1-CB-CG2	-5.90	97.50	109.30
2	B	313	LYS	CA-C-N	5.77	132.35	121.97
2	B	313	LYS	C-N-CA	5.77	132.35	121.97
2	H	168	LYS	CD-CE-NZ	-5.75	93.50	111.90
2	H	313	LYS	CA-C-N	5.66	132.16	121.97
2	H	313	LYS	C-N-CA	5.66	132.16	121.97
10	l	12	PRO	CA-N-CD	-5.64	104.10	112.00
2	H	320	MET	CA-CB-CG	5.63	125.36	114.10
2	H	623	MET	CG-SD-CE	5.62	113.25	100.90
1	a	120	ILE	CA-C-N	5.61	132.07	121.97
1	a	120	ILE	C-N-CA	5.61	132.07	121.97
2	B	39	GLU	CA-CB-CG	5.60	125.29	114.10
2	H	216	PRO	CA-C-N	5.56	130.57	121.57
2	H	216	PRO	C-N-CA	5.56	130.57	121.57
2	H	454	LYS	CB-CG-CD	-5.49	98.67	111.30
1	G	21	VAL	C-N-CD	5.48	147.48	125.00
7	i	16	PRO	CA-N-CD	-5.48	104.32	112.00
1	G	120	ILE	CA-C-N	5.46	131.79	121.97
1	G	120	ILE	C-N-CA	5.46	131.79	121.97
11	V	29	LEU	CA-C-N	5.44	133.77	122.41
11	V	29	LEU	C-N-CA	5.44	133.77	122.41
2	H	173	ARG	CG-CD-NE	5.43	123.95	112.00
3	c	65	ARG	CD-NE-CZ	-5.38	116.87	124.40
1	A	120	ILE	CA-C-N	5.38	131.65	121.97
1	A	120	ILE	C-N-CA	5.38	131.65	121.97
2	b	395	ILE	CG1-CB-CG2	-5.33	94.71	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	588	TRP	CH2-CZ2-CE2	5.32	124.42	117.50
1	A	51	LEU	CD1-CG-CD2	-5.31	99.11	110.80
1	A	320	GLY	CA-C-N	5.30	131.52	121.97
1	A	320	GLY	C-N-CA	5.30	131.52	121.97
6	Q	130	THR	CB-CA-C	5.26	119.56	110.45
2	H	445	VAL	CG1-CB-CG2	-5.22	99.31	110.80
2	H	555	ASP	CB-CA-C	5.18	119.73	111.24
1	G	21	VAL	N-CA-CB	-5.17	106.07	111.61
8	j	11	ALA	N-CA-C	5.17	120.63	113.45
4	D	116	PRO	CA-N-CD	-5.14	104.80	112.00
1	A	121	VAL	CA-CB-CG1	5.14	119.13	110.40
10	U	35	PRO	CA-N-CD	-5.13	104.82	112.00
2	b	217	HIS	CA-C-N	-5.11	113.45	119.84
2	b	217	HIS	C-N-CA	-5.11	113.45	119.84
2	b	555	ASP	CB-CG-OD2	5.08	130.09	118.40
11	m	29	LEU	CA-C-N	5.05	131.19	121.54
11	m	29	LEU	C-N-CA	5.05	131.19	121.54
1	G	107	PRO	CB-CA-C	-5.04	103.44	111.04
1	a	121	VAL	CA-CB-CG1	5.02	118.94	110.40
3	c	61	PHE	CA-C-N	5.02	131.13	121.54
3	c	61	PHE	C-N-CA	5.02	131.13	121.54
1	G	320	GLY	CA-C-N	5.00	130.97	121.97
1	G	320	GLY	C-N-CA	5.00	130.97	121.97

There are no chirality outliers.

All (13) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	B	39	GLU	Mainchain
4	D	95	HIS	Peptide
6	F	77	ILE	Peptide
6	F	89	ARG	Sidechain
2	H	315	GLU	Sidechain
11	M	29	LEU	Peptide
4	O	95	HIS	Peptide
6	Q	77	ILE	Peptide
11	V	29	LEU	Peptide
2	b	161	ARG	Sidechain
4	d	95	HIS	Peptide
6	f	56	ARG	Sidechain
11	m	29	LEU	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	5784	0	5639	65	0
1	G	5784	0	5639	71	0
1	a	5784	0	5639	69	0
2	B	5883	0	5643	78	0
2	H	5883	0	5643	76	0
2	b	5883	0	5643	65	0
3	C	598	0	580	8	0
3	N	598	0	580	8	0
3	c	598	0	580	7	0
4	D	1068	0	1067	6	0
4	O	1068	0	1067	6	0
4	d	1068	0	1067	10	0
5	E	539	0	528	4	0
5	P	539	0	528	3	0
5	e	539	0	528	7	0
6	F	1065	0	1077	12	0
6	Q	1065	0	1077	10	0
6	f	1065	0	1077	9	0
7	I	301	0	306	3	0
7	R	301	0	306	3	0
7	i	301	0	306	4	0
8	J	338	0	347	3	0
8	S	338	0	347	3	0
8	j	338	0	347	3	0
9	K	222	0	110	1	0
9	T	222	0	110	1	0
9	k	222	0	110	1	0
10	L	1119	0	1125	11	0
10	U	1119	0	1125	11	0
10	l	1119	0	1125	6	0
11	M	237	0	253	3	0
11	V	237	0	253	4	0
11	m	237	0	253	1	0
12	W	232	0	220	0	0
12	X	232	0	220	1	0
12	x	232	0	220	1	0
13	A	65	0	72	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
13	G	65	0	72	0	0
13	a	65	0	72	1	0
14	A	2382	0	2287	56	0
14	B	2398	0	2338	57	0
14	F	65	0	71	1	0
14	G	2341	0	2258	58	0
14	H	2398	0	2336	57	0
14	J	127	0	89	0	0
14	K	45	0	32	0	0
14	L	260	0	286	2	0
14	M	45	0	32	3	0
14	Q	110	0	104	2	0
14	R	65	0	71	1	0
14	S	82	0	56	0	0
14	T	86	0	61	0	0
14	U	260	0	286	4	0
14	V	45	0	32	3	0
14	W	45	0	32	1	0
14	X	45	0	32	1	0
14	a	2471	0	2402	61	0
14	b	2283	0	2229	52	0
14	j	127	0	89	0	0
14	k	86	0	61	0	0
14	l	195	0	215	2	0
14	m	95	0	71	2	0
14	x	45	0	32	2	0
15	A	33	0	46	3	0
15	B	33	0	46	3	0
15	G	33	0	46	2	0
15	H	33	0	46	3	0
15	a	33	0	46	3	0
15	b	33	0	46	3	0
16	A	240	0	293	13	0
16	B	320	0	392	17	0
16	F	40	0	49	2	0
16	G	240	0	294	15	0
16	H	320	0	392	16	0
16	I	40	0	49	4	0
16	J	80	0	98	6	0
16	L	120	0	147	6	0
16	M	40	0	49	3	0
16	Q	40	0	49	2	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	R	40	0	49	4	0
16	S	80	0	98	6	0
16	U	120	0	147	8	0
16	V	40	0	49	3	0
16	a	240	0	293	17	0
16	b	320	0	393	19	0
16	f	40	0	49	3	0
16	i	40	0	49	3	0
16	j	80	0	98	6	0
16	l	120	0	147	7	0
16	m	40	0	49	3	0
17	A	76	0	98	1	0
17	G	76	0	98	2	0
17	a	76	0	98	3	0
18	A	8	0	0	0	0
18	C	16	0	0	1	0
18	G	8	0	0	0	0
18	N	16	0	0	1	0
18	a	8	0	0	0	0
18	c	16	0	0	1	0
19	B	51	0	75	4	0
19	H	51	0	75	3	0
19	b	51	0	75	4	0
20	L	2	0	0	0	0
20	U	1	0	0	0	0
All	All	71748	0	70431	854	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 6.

All (854) 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)
6:F:33:LYS:O	6:F:37:ARG:HB2	1.73	0.88
1:a:66:GLU:OE1	1:a:70:ARG:NH1	2.13	0.81
2:B:43:GLN:HE21	2:B:161:ARG:HH22	1.28	0.78
2:b:40:ASN:HA	2:b:43:GLN:HE21	1.52	0.74
2:b:555:ASP:OD1	3:c:65:ARG:NH1	2.21	0.72
2:H:173:ARG:HH12	14:H:808:CLA:H143	1.55	0.71
1:G:375:TYR:HB2	1:G:390:GLN:HE21	1.56	0.70
2:b:300:ILE:HG21	14:b:823:CLA:HAC1	1.74	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:O:61:LYS:HE3	4:O:94:ILE:HD12	1.73	0.70
1:a:662:ILE:HD12	2:b:627:ARG:HG3	1.75	0.68
2:H:164:LEU:HG	2:H:168:LYS:HZ3	1.60	0.67
2:B:231:VAL:O	2:B:234:GLN:NE2	2.18	0.67
1:G:399:TRP:CD1	14:G:827:CLA:HAB	2.29	0.66
11:V:16:LEU:HD13	14:V:1601:CLA:HBB2	1.76	0.66
3:C:16:CYS:HB3	18:C:102:SF4:S4	2.35	0.66
14:a:838:CLA:H111	14:a:838:CLA:HAB	1.78	0.66
2:b:418:LYS:HB2	2:b:545:LEU:HD13	1.77	0.66
11:m:16:LEU:HD13	14:m:1202:CLA:HBB2	1.78	0.66
2:b:40:ASN:HA	2:b:43:GLN:NE2	2.11	0.65
2:H:529:ILE:HG21	14:H:838:CLA:HAB	1.76	0.65
1:A:399:TRP:CD1	14:A:827:CLA:HAB	2.32	0.65
11:M:16:LEU:HD13	14:M:1601:CLA:HBB2	1.77	0.65
14:H:821:CLA:CGA	14:H:826:CLA:HAB	2.26	0.65
3:N:16:CYS:HB3	18:N:102:SF4:S2	2.36	0.64
1:a:399:TRP:CD1	14:a:827:CLA:HAB	2.33	0.64
5:e:25:SER:HB3	5:e:37:ILE:HD12	1.80	0.64
7:R:22:MET:HE2	7:R:23:PRO:HD3	1.79	0.63
1:G:300:HIS:HD2	1:G:301:HIS:HD2	1.45	0.63
14:A:807:CLA:H2	14:A:827:CLA:H52	1.81	0.63
14:R:101:CLA:H12	14:R:101:CLA:HED2	1.81	0.63
14:a:807:CLA:H2	14:a:827:CLA:H52	1.82	0.62
1:a:302:LEU:HD21	14:a:816:CLA:HAB	1.82	0.62
15:B:843:PQN:H142	16:B:850:BCR:H271	1.81	0.62
1:G:302:LEU:HD21	14:G:816:CLA:HAB	1.81	0.62
1:G:593:ASP:OD2	1:G:728:ARG:NH1	2.32	0.61
2:B:40:ASN:HA	2:B:43:GLN:NE2	2.15	0.61
15:b:841:PQN:H142	16:b:848:BCR:H271	1.81	0.61
1:A:300:HIS:HD2	1:A:301:HIS:HD2	1.47	0.61
2:H:621:TYR:OH	2:H:627:ARG:NH2	2.33	0.61
2:b:380:TYR:HD2	14:b:826:CLA:HAB	1.64	0.61
2:H:300:ILE:HG21	14:H:826:CLA:HAC1	1.83	0.61
4:D:117:ARG:NH2	4:D:137:ASP:O	2.34	0.61
2:H:122:TRP:CD1	2:H:361:TYR:HH	2.18	0.61
14:U:201:CLA:H12	14:U:201:CLA:HED2	1.83	0.61
14:G:840:CLA:H72	14:G:840:CLA:HBB1	1.83	0.61
4:d:50:ARG:HB2	4:d:54:ASN:HD21	1.66	0.61
1:A:120:ILE:HD13	8:J:31:ARG:HG3	1.83	0.60
8:S:31:ARG:HD3	16:S:104:BCR:H312	1.83	0.60
2:B:122:TRP:CD1	2:B:361:TYR:HH	2.19	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:457:LEU:HD12	2:B:520:PRO:HG2	1.82	0.60
14:G:807:CLA:H2	14:G:827:CLA:H52	1.82	0.60
3:c:16:CYS:HB3	18:c:102:SF4:S4	2.41	0.60
1:A:34:PHE:HB2	1:A:61:HIS:CE1	2.37	0.59
1:A:698:GLN:HE22	1:A:721:ALA:H	1.50	0.59
1:A:470:ARG:NH2	1:A:473:ASP:OD1	2.27	0.59
1:G:590:SER:OG	1:G:593:ASP:OD1	2.19	0.59
14:B:804:CLA:H111	14:B:804:CLA:HAB	1.85	0.59
1:G:445:ASN:HD22	2:H:684:LEU:HD11	1.67	0.59
1:a:300:HIS:HD2	1:a:301:HIS:HD2	1.50	0.59
14:L:201:CLA:HED2	14:L:201:CLA:H12	1.83	0.59
1:A:302:LEU:HD21	14:A:816:CLA:HAB	1.84	0.59
1:A:369:ILE:HD13	14:A:825:CLA:HED3	1.85	0.59
2:H:318:PHE:HD1	14:H:824:CLA:HAB	1.67	0.59
15:H:843:PQN:H142	16:H:850:BCR:H271	1.85	0.59
14:A:840:CLA:H72	14:A:840:CLA:HBB1	1.84	0.59
2:H:318:PHE:CD1	14:H:824:CLA:HAB	2.37	0.59
2:b:452:PRO:O	2:b:455:GLN:NE2	2.36	0.59
11:M:24:ARG:NH1	14:M:1601:CLA:O1D	2.36	0.59
14:a:841:CLA:H72	14:a:841:CLA:HBB1	1.84	0.58
14:H:809:CLA:H143	14:H:830:CLA:HBB2	1.85	0.58
2:b:529:ILE:HG21	14:b:836:CLA:HAB	1.84	0.58
2:B:467:GLN:HG2	2:B:472:LYS:HD3	1.85	0.58
8:J:31:ARG:HD3	16:J:1305:BCR:H312	1.84	0.58
2:b:406:ASN:OD1	2:b:409:ASN:ND2	2.36	0.58
14:G:804:CLA:H42	14:G:805:CLA:HBB1	1.86	0.58
14:a:804:CLA:H42	14:a:805:CLA:HBB1	1.85	0.58
14:b:839:CLA:H13	16:i:101:BCR:H372	1.85	0.58
2:B:466:ILE:HG22	2:B:470:HIS:HE1	1.69	0.58
6:f:8:CYS:HB2	6:f:43:CYS:H	1.69	0.58
2:B:17:THR:HG22	2:B:704:VAL:H	1.69	0.57
14:B:809:CLA:H143	14:B:830:CLA:HBB2	1.87	0.57
2:H:175:ASN:ND2	2:H:287:GLY:O	2.37	0.57
4:d:117:ARG:NH1	4:d:122:ASN:OD1	2.38	0.57
14:A:827:CLA:H93	16:J:1304:BCR:H361	1.87	0.57
1:G:486:PHE:HE1	14:G:836:CLA:H42	1.68	0.57
2:B:406:ASN:HD22	2:B:409:ASN:HD21	1.53	0.57
2:H:168:LYS:HB3	2:H:330:ASN:HD21	1.69	0.56
6:Q:41:ALA:HA	6:Q:59:ARG:HH12	1.69	0.56
2:H:254:LEU:HD11	2:H:277:LEU:HD12	1.85	0.56
2:H:446:VAL:HG11	2:H:454:LYS:HB2	1.85	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:841:CLA:H13	16:R:102:BCR:H372	1.87	0.56
4:O:42:PRO:HD3	4:O:67:LEU:HD13	1.87	0.56
14:b:818:CLA:CGA	14:b:823:CLA:HAB	2.35	0.56
2:B:380:TYR:HD2	14:B:829:CLA:HAB	1.70	0.56
8:j:31:ARG:HD3	16:j:1305:BCR:H312	1.86	0.56
2:H:173:ARG:NH1	14:H:808:CLA:H143	2.19	0.56
14:b:834:CLA:C4C	14:b:835:CLA:HAB	2.36	0.56
3:N:45:GLU:HG3	3:N:74:ARG:HH21	1.71	0.56
8:J:12:PRO:HB2	16:J:1305:BCR:H391	1.87	0.56
14:H:804:CLA:HAB	14:H:804:CLA:H111	1.88	0.56
14:b:806:CLA:H143	14:b:827:CLA:HBB2	1.88	0.56
14:H:836:CLA:C4C	14:H:837:CLA:HAB	2.36	0.56
2:b:30:PHE:HB3	2:b:36:MET:HE3	1.88	0.56
16:U:203:BCR:H272	16:l:202:BCR:H282	1.88	0.56
14:B:836:CLA:C4C	14:B:837:CLA:HAB	2.36	0.56
14:A:827:CLA:H43	16:A:849:BCR:H311	1.89	0.55
14:G:827:CLA:H43	16:G:848:BCR:H311	1.87	0.55
14:B:821:CLA:CGA	14:B:826:CLA:HAB	2.36	0.55
2:H:224:PHE:HA	2:H:229:TRP:HE1	1.72	0.55
14:A:820:CLA:H61	16:A:847:BCR:H352	1.88	0.55
1:G:444:LEU:HG	1:G:551:LEU:HD12	1.88	0.55
3:C:60:ASP:OD1	5:E:58:ASN:ND2	2.40	0.55
1:A:15:VAL:HG21	1:A:188:GLU:HB3	1.87	0.55
2:B:43:GLN:NE2	2:B:161:ARG:HH12	2.05	0.55
14:B:806:CLA:H143	16:B:850:BCR:H362	1.88	0.55
1:G:292:LEU:HD13	1:G:379:PRO:HA	1.86	0.55
2:b:347:ILE:HD13	14:b:823:CLA:H43	1.88	0.55
4:d:117:ARG:NH2	4:d:137:ASP:O	2.39	0.55
14:a:827:CLA:H93	16:j:1304:BCR:H361	1.88	0.55
2:H:706:LEU:HD22	2:H:710:GLN:HE22	1.72	0.55
2:b:651:VAL:HG22	14:b:809:CLA:HAC1	1.88	0.55
2:B:158:PRO:HA	2:B:161:ARG:HD2	1.89	0.55
2:b:173:ARG:HE	14:b:823:CLA:HMD3	1.72	0.55
1:A:239:PRO:HA	1:A:242:PHE:HD2	1.72	0.55
2:B:418:LYS:HD2	2:B:545:LEU:HB3	1.88	0.55
1:G:369:ILE:HD13	14:G:825:CLA:HED3	1.89	0.54
2:B:217:HIS:HD2	2:B:218:PRO:HD2	1.72	0.54
2:B:529:ILE:HG21	14:B:838:CLA:HAB	1.88	0.54
14:B:841:CLA:H13	16:I:101:BCR:H372	1.87	0.54
14:G:808:CLA:H11	16:S:103:BCR:H19C	1.89	0.54
3:c:12:GLY:O	3:c:37:GLN:NE2	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:269:THR:OG1	1:A:271:ASN:OD1	2.26	0.54
2:b:440:TYR:HB3	2:b:622:LEU:HD11	1.89	0.54
2:b:45:ILE:O	2:b:49:HIS:ND1	2.35	0.54
14:A:808:CLA:H11	16:J:1304:BCR:H19C	1.90	0.54
2:B:55:ILE:HD11	16:M:1602:BCR:HC7	1.90	0.54
5:E:25:SER:HB3	5:E:37:ILE:HD12	1.90	0.54
1:a:316:ARG:HE	1:a:324:SER:HB3	1.73	0.54
2:H:703:PRO:HD2	3:N:80:TYR:HE2	1.73	0.54
4:d:98:ASP:OD2	4:d:106:ASN:ND2	2.41	0.54
2:H:45:ILE:O	2:H:49:HIS:ND1	2.40	0.53
1:G:536:PHE:HA	14:G:836:CLA:HED1	1.89	0.53
1:a:737:LEU:HD11	16:a:849:BCR:HC8	1.90	0.53
2:H:380:TYR:CD2	14:H:829:CLA:HAB	2.43	0.53
14:G:820:CLA:H61	16:G:846:BCR:H352	1.89	0.53
14:G:820:CLA:H18	16:G:846:BCR:HC41	1.90	0.53
1:a:120:ILE:HD13	8:j:31:ARG:HG3	1.91	0.53
14:a:803:CLA:H72	14:a:808:CLA:H203	1.90	0.53
14:a:818:CLA:HAB	14:a:818:CLA:H8	1.90	0.53
2:H:380:TYR:HD2	14:H:829:CLA:HAB	1.73	0.53
3:c:33:CYS:SG	3:c:34:LYS:N	2.81	0.53
1:a:18:ASN:OD1	1:a:183:ARG:NH1	2.41	0.53
2:b:421:ILE:HA	14:b:829:CLA:HBB1	1.89	0.53
14:G:827:CLA:H93	16:S:103:BCR:H361	1.89	0.53
1:a:15:VAL:HG21	1:a:188:GLU:HB3	1.90	0.53
14:a:852:CLA:H52	2:b:441:VAL:HG13	1.91	0.53
2:b:721:VAL:HG22	19:b:849:LMG:H441	1.91	0.53
1:G:120:ILE:HD13	8:S:31:ARG:HG3	1.91	0.53
1:a:450:PHE:HE2	14:a:836:CLA:HAB	1.74	0.53
14:a:808:CLA:H11	16:j:1304:BCR:H19C	1.90	0.53
14:H:817:CLA:HBB1	16:H:844:BCR:H333	1.90	0.53
1:A:115:GLN:NE2	14:A:808:CLA:OBD	2.41	0.53
14:a:820:CLA:H61	16:a:847:BCR:H352	1.91	0.53
14:B:817:CLA:HBB1	16:B:844:BCR:H333	1.90	0.53
2:H:339:TRP:HE1	14:H:826:CLA:C1B	2.22	0.53
1:G:355:GLN:HE21	14:G:824:CLA:H121	1.74	0.53
1:G:704:ILE:O	1:G:708:HIS:ND1	2.41	0.53
1:a:661:VAL:HG22	1:a:749:ALA:HB3	1.90	0.53
1:G:58:PHE:HE2	14:G:803:CLA:HED1	1.73	0.52
1:G:410:ALA:HB2	1:G:595:VAL:HG21	1.91	0.52
2:B:261:HIS:HD2	2:B:263:GLN:H	1.55	0.52
2:B:347:ILE:HD13	14:B:826:CLA:H43	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:851:CLA:H143	16:H:850:BCR:H362	1.90	0.52
2:B:17:THR:HG21	14:B:841:CLA:HBB1	1.91	0.52
14:A:803:CLA:H72	14:A:808:CLA:H203	1.91	0.52
1:G:20:PRO:HB2	1:G:21:VAL:HG23	1.92	0.52
1:a:336:PHE:O	1:a:432:ARG:NH2	2.43	0.52
14:a:827:CLA:H43	16:a:849:BCR:H311	1.90	0.52
2:H:347:ILE:HD13	14:H:826:CLA:H43	1.91	0.52
2:H:50:PHE:HD2	2:H:152:GLY:HA2	1.74	0.52
2:H:421:ILE:HA	14:H:832:CLA:HBB1	1.90	0.52
16:L:209:BCR:H282	16:l:202:BCR:H272	1.90	0.52
14:A:804:CLA:H42	14:A:805:CLA:HBB1	1.91	0.52
2:H:237:ASP:HB2	2:H:268:TRP:HZ3	1.73	0.52
1:A:661:VAL:HG22	1:A:749:ALA:HB3	1.92	0.52
1:G:15:VAL:HG21	1:G:188:GLU:HB3	1.91	0.52
1:a:76:HIS:ND1	14:a:812:CLA:OBD	2.42	0.52
2:H:55:ILE:HD11	16:V:1602:BCR:HC7	1.91	0.52
15:b:841:PQN:H301	19:b:849:LMG:H181	1.92	0.52
7:i:22:MET:HE2	7:i:23:PRO:HD3	1.91	0.52
14:G:803:CLA:H72	14:G:808:CLA:H203	1.91	0.52
14:A:820:CLA:H18	16:A:847:BCR:HC41	1.91	0.52
1:G:504:ASN:ND2	14:G:816:CLA:OBD	2.44	0.51
2:b:224:PHE:HA	2:b:229:TRP:HE1	1.76	0.51
3:C:33:CYS:SG	3:C:34:LYS:N	2.83	0.51
1:A:588:GLN:HG3	2:B:673:TRP:HB2	1.91	0.51
1:G:392:SER:HB3	14:G:827:CLA:HMA3	1.92	0.51
4:D:32:THR:OG1	4:D:79:ASP:OD2	2.25	0.51
1:a:269:THR:OG1	1:a:271:ASN:OD1	2.26	0.51
14:b:814:CLA:HBB1	16:b:842:BCR:H333	1.91	0.51
3:N:12:GLY:O	3:N:37:GLN:NE2	2.42	0.51
16:L:209:BCR:H272	16:U:203:BCR:H282	1.92	0.51
1:A:675:LEU:HD21	14:A:827:CLA:H143	1.91	0.51
2:B:254:LEU:HD11	2:B:277:LEU:HD12	1.92	0.51
15:H:843:PQN:H301	19:H:851:LMG:H181	1.93	0.51
2:b:425:LEU:HB3	2:b:538:LEU:HD13	1.93	0.51
3:C:12:GLY:O	3:C:37:GLN:NE2	2.42	0.51
14:a:853:CLA:H143	16:b:848:BCR:H362	1.93	0.51
2:b:446:VAL:HG11	2:b:454:LYS:HB2	1.93	0.51
6:f:78:GLY:HA3	16:f:201:BCR:HC31	1.92	0.51
14:G:818:CLA:HAB	14:G:818:CLA:H8	1.92	0.51
2:B:224:PHE:HD1	2:B:229:TRP:HE1	1.59	0.51
1:G:289:THR:HG23	1:G:291:GLY:H	1.75	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:816:CLA:HAB	14:B:830:CLA:H162	1.91	0.51
2:H:441:VAL:HG13	14:H:805:CLA:H52	1.93	0.51
14:b:806:CLA:H91	19:b:849:LMG:H401	1.93	0.51
1:a:579:ASP:OD2	1:a:583:ARG:NH2	2.41	0.51
14:a:831:CLA:HBB1	14:a:832:CLA:H2	1.93	0.51
2:H:467:GLN:HG2	2:H:472:LYS:HD3	1.93	0.51
8:j:12:PRO:HB2	16:j:1305:BCR:H391	1.93	0.51
1:A:575:ARG:NH1	14:A:829:CLA:O1D	2.44	0.50
14:G:831:CLA:HBB1	14:G:832:CLA:H2	1.93	0.50
2:B:446:VAL:HG11	2:B:454:LYS:HB2	1.93	0.50
2:b:353:GLN:NE2	2:b:375:TYR:OH	2.44	0.50
6:Q:13:ALA:HA	6:Q:16:LYS:HG2	1.92	0.50
1:A:286:ASN:OD1	1:A:289:THR:N	2.34	0.50
1:A:658:ALA:HA	1:A:746:PHE:HE1	1.77	0.50
2:B:421:ILE:HA	14:B:832:CLA:HBB1	1.94	0.50
14:H:839:CLA:H193	16:Q:203:BCR:H272	1.92	0.50
4:O:117:ARG:NH2	4:O:137:ASP:O	2.43	0.50
10:L:29:THR:O	10:L:33:ASN:ND2	2.42	0.50
1:a:392:SER:HB3	14:a:827:CLA:HMA3	1.92	0.50
2:B:402:ASP:OD1	4:D:126:SER:OG	2.28	0.50
1:a:246:PRO:HA	1:a:249:MET:HB3	1.93	0.50
2:B:224:PHE:HA	2:B:229:TRP:HE1	1.76	0.50
15:B:843:PQN:H301	19:B:851:LMG:H181	1.94	0.50
10:U:38:ARG:O	10:U:46:ARG:NH2	2.44	0.50
2:B:70:GLN:HE22	2:B:89:ALA:H	1.59	0.50
14:H:840:CLA:HBC2	14:W:1701:CLA:HBC3	1.94	0.50
1:a:75:ALA:HB1	14:a:804:CLA:HBB1	1.94	0.50
1:a:462:ASN:HD21	1:a:475:PHE:H	1.58	0.50
2:B:380:TYR:CD2	14:B:829:CLA:HAB	2.46	0.50
2:b:55:ILE:HD11	16:m:1203:BCR:HC7	1.92	0.50
1:a:44:THR:HB	1:a:720:ARG:HG3	1.94	0.49
2:B:588:TRP:HZ2	14:B:801:CLA:ND	2.10	0.49
14:A:831:CLA:HBB2	10:L:65:LEU:HD23	1.94	0.49
1:G:737:LEU:HD11	16:G:848:BCR:HC8	1.93	0.49
14:G:805:CLA:HED1	14:G:829:CLA:H2	1.94	0.49
2:H:292:THR:HG23	2:H:294:PHE:H	1.77	0.49
2:H:418:LYS:HB2	2:H:545:LEU:HD13	1.94	0.49
9:K:67:HIS:O	9:K:70:ALA:HB3	2.12	0.49
1:G:145:GLN:HB3	1:G:380:TYR:HB3	1.93	0.49
1:A:334:GLY:HA3	17:A:851:LHG:HC32	1.95	0.49
2:B:43:GLN:HE21	2:B:161:ARG:NH2	2.04	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:461:VAL:HG11	6:F:52:VAL:HG23	1.94	0.49
2:b:217:HIS:NE2	2:b:231:VAL:O	2.45	0.49
1:a:504:ASN:ND2	14:a:816:CLA:OBD	2.46	0.49
14:B:840:CLA:HBC2	14:X:1701:CLA:HBC3	1.94	0.49
14:A:802:CLA:H2	14:A:802:CLA:HED2	1.95	0.49
1:G:115:GLN:NE2	14:G:808:CLA:OBD	2.45	0.49
14:H:832:CLA:HBC1	16:H:847:BCR:HC7	1.95	0.49
2:b:254:LEU:HD11	2:b:277:LEU:HD12	1.95	0.49
3:C:24:VAL:HG13	3:C:25:LEU:HD12	1.94	0.49
1:A:444:LEU:HG	1:A:551:LEU:HD12	1.95	0.49
1:a:226:LEU:HD21	1:a:252:LEU:HD21	1.94	0.49
1:a:718:GLN:NE2	5:e:15:TYR:OH	2.46	0.49
1:A:582:GLY:HA3	3:C:49:GLY:HA3	1.94	0.49
9:T:67:HIS:O	9:T:70:ALA:HB3	2.12	0.49
1:G:334:GLY:HA3	17:G:850:LHG:HC32	1.95	0.48
2:B:70:GLN:NE2	2:B:89:ALA:H	2.11	0.48
2:H:727:TYR:HB2	14:H:806:CLA:HED3	1.95	0.48
14:b:806:CLA:H162	14:b:827:CLA:HBB2	1.94	0.48
3:c:28:VAL:HG12	4:d:109:ARG:HB3	1.94	0.48
1:A:694:ARG:H	2:B:574:CYS:HB2	1.78	0.48
2:H:461:VAL:HG11	6:Q:52:VAL:HG23	1.95	0.48
14:A:840:CLA:H41	14:A:840:CLA:H62	1.63	0.48
1:G:27:LYS:HB2	14:G:810:CLA:HAA2	1.94	0.48
2:H:522:ASP:OD2	2:H:599:TYR:OH	2.17	0.48
1:G:42:PRO:HD2	6:Q:95:ASN:HB3	1.96	0.48
14:b:829:CLA:HBC1	16:b:845:BCR:HC7	1.96	0.48
5:e:43:VAL:HB	5:e:54:GLY:HA3	1.96	0.48
9:k:67:HIS:O	9:k:70:ALA:HB3	2.13	0.48
1:G:94:GLY:HA3	1:G:147:TRP:HH2	1.78	0.48
1:G:305:ALA:O	1:G:309:ILE:HG12	2.13	0.48
1:G:694:ARG:H	2:H:574:CYS:HB2	1.78	0.48
14:G:811:CLA:HAB	14:G:819:CLA:C4C	2.43	0.48
14:A:811:CLA:HAB	14:A:819:CLA:C4C	2.44	0.48
1:a:334:GLY:HA3	17:a:851:LHG:HC32	1.95	0.48
1:a:445:ASN:HD22	2:b:684:LEU:HD11	1.79	0.48
1:a:486:PHE:HE2	14:a:836:CLA:H42	1.79	0.48
2:H:281:VAL:HG13	16:H:844:BCR:H352	1.96	0.48
14:H:826:CLA:H61	14:H:826:CLA:H41	1.64	0.48
14:b:837:CLA:H193	16:f:201:BCR:H272	1.95	0.48
1:a:58:PHE:HE1	14:a:803:CLA:HED1	1.78	0.48
2:H:31:GLU:OE2	2:H:334:HIS:NE2	2.41	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C:41:SER:O	3:C:41:SER:OG	2.31	0.48
14:A:807:CLA:H3A	14:A:807:CLA:HBA2	1.69	0.48
1:G:98:SER:OG	1:G:99:ASN:N	2.47	0.48
1:a:175:ALA:HB2	14:a:809:CLA:HBC2	1.96	0.48
2:b:472:LYS:HG2	2:b:507:ILE:HG12	1.96	0.48
1:A:392:SER:HB3	14:A:827:CLA:HMA3	1.96	0.48
1:A:398:MET:HE3	1:A:609:VAL:HG11	1.96	0.48
2:B:300:ILE:HG21	14:B:826:CLA:HAC1	1.95	0.48
14:B:839:CLA:H193	16:F:202:BCR:H272	1.95	0.48
2:b:50:PHE:HD2	2:b:152:GLY:HA2	1.78	0.48
10:L:58:LEU:HD21	10:L:85:LEU:HD23	1.95	0.48
1:A:358:ILE:HD11	16:A:847:BCR:HC7	1.96	0.48
1:G:427:ASN:OD1	1:G:432:ARG:NH1	2.44	0.48
1:G:581:PRO:HD3	2:H:567:GLY:HA2	1.95	0.48
2:B:45:ILE:O	2:B:49:HIS:ND1	2.46	0.48
2:H:198:ILE:HD13	2:H:270:THR:HG22	1.96	0.48
14:H:805:CLA:H61	14:H:805:CLA:H41	1.61	0.48
2:b:419:GLU:OE2	2:b:419:GLU:N	2.45	0.48
14:A:842:CLA:HAA2	14:m:1202:CLA:HAA2	1.95	0.47
1:a:189:TRP:NE1	14:a:812:CLA:HAC1	2.29	0.47
2:B:232:TYR:HB3	2:B:254:LEU:HB2	1.94	0.47
1:G:575:ARG:NH1	14:G:829:CLA:O1D	2.47	0.47
2:b:144:LEU:HD11	14:b:813:CLA:H152	1.96	0.47
2:b:727:TYR:HB2	14:b:804:CLA:HED3	1.96	0.47
14:b:840:CLA:HBA2	14:b:840:CLA:H3A	1.64	0.47
1:a:157:GLN:HE21	14:a:813:CLA:CGD	2.27	0.47
2:B:727:TYR:HB2	14:B:805:CLA:HED3	1.97	0.47
2:H:254:LEU:HD12	2:H:274:HIS:HD2	1.79	0.47
10:L:109:ASP:OD2	10:L:112:LYS:NZ	2.45	0.47
14:H:832:CLA:HBA2	14:H:832:CLA:H3A	1.69	0.47
16:b:848:BCR:H351	16:b:848:BCR:H15C	1.72	0.47
16:M:1602:BCR:H24C	16:M:1602:BCR:H371	1.70	0.47
2:B:50:PHE:HD2	2:B:152:GLY:HA2	1.78	0.47
16:B:844:BCR:H351	16:B:844:BCR:H15C	1.70	0.47
2:H:45:ILE:HG23	2:H:49:HIS:HE1	1.78	0.47
6:f:75:GLY:HA3	6:f:116:TRP:CE2	2.50	0.47
10:l:134:VAL:HG23	16:l:202:BCR:H403	1.95	0.47
14:G:803:CLA:HBA2	14:G:810:CLA:H62	1.96	0.47
14:a:841:CLA:H62	14:a:841:CLA:H41	1.63	0.47
6:F:97:LYS:HE2	6:F:102:ASP:HB2	1.97	0.47
1:A:76:HIS:ND1	14:A:812:CLA:OBD	2.47	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:189:TRP:NE1	14:A:812:CLA:HAC1	2.30	0.47
14:A:831:CLA:HBB1	14:A:832:CLA:H2	1.96	0.47
16:G:843:BCR:H351	16:G:843:BCR:H15C	1.67	0.47
1:a:66:GLU:HB3	1:a:187:LEU:HB2	1.97	0.47
2:B:73:PHE:HD1	2:B:134:LEU:HD11	1.79	0.47
2:B:419:GLU:OE2	2:B:419:GLU:N	2.46	0.47
14:b:817:CLA:H62	14:b:817:CLA:H41	1.64	0.47
1:G:111:LYS:HD2	1:G:138:GLN:HE22	1.80	0.47
6:F:72:TYR:HA	6:F:116:TRP:HZ2	1.80	0.47
16:I:101:BCR:H351	16:I:101:BCR:H15C	1.71	0.47
1:A:95:ALA:HB2	1:A:158:LEU:HB2	1.96	0.47
1:G:153:THR:O	1:G:234:LYS:NZ	2.48	0.47
16:a:845:BCR:H24C	16:a:845:BCR:H371	1.71	0.47
16:B:852:BCR:H24C	16:B:852:BCR:H371	1.75	0.47
14:b:803:CLA:H41	14:b:803:CLA:H61	1.71	0.47
1:a:581:PRO:HD3	2:b:567:GLY:HA2	1.97	0.47
2:B:261:HIS:CD2	2:B:263:GLN:H	2.33	0.47
2:B:281:VAL:HG13	16:B:844:BCR:H352	1.97	0.47
14:B:803:CLA:H61	14:B:803:CLA:H41	1.70	0.47
14:B:811:CLA:H121	14:B:829:CLA:H171	1.97	0.47
16:H:847:BCR:H24C	16:H:847:BCR:H371	1.71	0.47
4:O:117:ARG:NH1	4:O:122:ASN:OD1	2.47	0.47
16:R:102:BCR:H24C	16:R:102:BCR:H371	1.73	0.47
1:G:360:LEU:HD23	14:G:804:CLA:HED1	1.97	0.46
1:a:94:GLY:HA3	1:a:147:TRP:HH2	1.79	0.46
1:a:256:VAL:HB	1:a:258:TRP:CE2	2.50	0.46
14:b:805:CLA:HBA1	14:b:805:CLA:H3A	1.73	0.46
14:b:829:CLA:H3A	14:b:829:CLA:HBA2	1.68	0.46
5:P:43:VAL:HB	5:P:54:GLY:HA3	1.97	0.46
16:R:102:BCR:H351	16:R:102:BCR:H15C	1.72	0.46
1:A:462:ASN:HD21	1:A:475:PHE:HB2	1.80	0.46
14:G:841:CLA:HAA2	14:M:1601:CLA:HAA2	1.96	0.46
14:a:820:CLA:H18	16:a:847:BCR:HC41	1.97	0.46
2:H:317:PRO:HB2	14:H:825:CLA:HMA3	1.96	0.46
14:b:808:CLA:H121	14:b:826:CLA:H171	1.97	0.46
10:L:115:GLU:OE2	10:L:115:GLU:N	2.48	0.46
11:V:24:ARG:NH1	14:V:1601:CLA:O1D	2.47	0.46
14:A:809:CLA:H3A	14:A:809:CLA:HBA2	1.66	0.46
6:F:55:GLY:HA2	6:F:64:LEU:HD11	1.97	0.46
10:l:115:GLU:N	10:l:115:GLU:OE2	2.49	0.46
1:A:567:PRO:HG2	4:D:62:GLU:HG2	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:588:GLN:OE1	2:H:673:TRP:N	2.40	0.46
1:a:723:SER:OG	1:a:724:ILE:N	2.48	0.46
14:a:831:CLA:HBB2	10:l:65:LEU:HD23	1.97	0.46
2:B:665:THR:HA	14:B:806:CLA:HAB	1.97	0.46
2:H:168:LYS:HB3	2:H:330:ASN:ND2	2.31	0.46
14:b:837:CLA:H2	14:b:837:CLA:H62	1.68	0.46
16:b:844:BCR:H351	16:b:844:BCR:H15C	1.72	0.46
16:f:201:BCR:H24C	16:f:201:BCR:H371	1.71	0.46
16:l:202:BCR:H371	16:l:202:BCR:H24C	1.69	0.46
1:A:444:LEU:HA	1:A:447:VAL:HG12	1.98	0.46
1:G:699:GLU:OE2	2:H:556:LYS:NZ	2.39	0.46
14:G:840:CLA:H41	14:G:840:CLA:H62	1.63	0.46
2:b:60:VAL:HG21	14:b:827:CLA:H42	1.97	0.46
3:C:65:ARG:HA	3:C:65:ARG:HD2	1.82	0.46
10:L:134:VAL:HG23	16:L:209:BCR:H403	1.96	0.46
14:b:838:CLA:HBC2	14:x:1701:CLA:HBC3	1.97	0.46
3:c:24:VAL:HG13	3:c:25:LEU:HD13	1.97	0.46
2:B:721:VAL:HG22	19:B:851:LMG:H441	1.98	0.46
16:L:202:BCR:H351	16:L:202:BCR:H15C	1.75	0.46
14:G:831:CLA:HBB2	10:U:65:LEU:HD23	1.98	0.46
14:a:817:CLA:HBA2	14:a:817:CLA:H3A	1.73	0.46
14:a:840:CLA:H62	14:a:840:CLA:H41	1.73	0.46
2:H:135:TYR:OH	11:V:7:GLN:O	2.29	0.46
2:b:281:VAL:HG13	16:b:842:BCR:H352	1.97	0.46
15:b:841:PQN:H261	15:b:841:PQN:H222	1.81	0.46
5:e:11:ARG:HD2	5:e:14:SER:HB2	1.97	0.46
10:U:115:GLU:OE2	10:U:115:GLU:N	2.49	0.46
10:U:134:VAL:HG23	16:U:203:BCR:H403	1.98	0.46
16:l:201:BCR:H351	16:l:201:BCR:H15C	1.76	0.46
1:G:84:PHE:HE1	14:G:804:CLA:H91	1.79	0.46
1:G:189:TRP:NE1	14:G:812:CLA:HAC1	2.30	0.46
1:G:358:ILE:HD11	16:G:846:BCR:HC7	1.97	0.46
1:G:713:VAL:HG12	6:Q:82:ARG:HG3	1.98	0.46
1:a:285:LEU:HD11	1:a:378:PRO:HD2	1.98	0.46
1:a:387:TYR:HE1	1:a:523:LYS:HD3	1.80	0.46
2:B:376:THR:HG23	2:B:597:THR:HG21	1.98	0.46
2:b:387:VAL:HG21	2:b:589:MET:HG2	1.98	0.46
1:A:175:ALA:HB2	14:A:809:CLA:HBC2	1.98	0.46
1:G:462:ASN:HD21	1:G:475:PHE:HB2	1.80	0.46
1:G:733:ALA:HA	17:G:849:LHG:H341	1.98	0.46
14:H:839:CLA:H62	14:H:839:CLA:H2	1.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:723:SER:OG	1:G:724:ILE:N	2.49	0.45
2:B:413:ARG:HD2	14:B:832:CLA:CGD	2.46	0.45
16:B:850:BCR:H351	16:B:850:BCR:H15C	1.71	0.45
2:H:173:ARG:NH1	14:H:826:CLA:OBD	2.49	0.45
14:A:827:CLA:H8	14:A:827:CLA:H51	1.73	0.45
16:A:845:BCR:H15C	16:A:845:BCR:H351	1.77	0.45
2:H:300:ILE:HA	2:H:303:MET:HE3	1.98	0.45
14:H:811:CLA:H121	14:H:829:CLA:H171	1.99	0.45
6:Q:75:GLY:HA3	6:Q:116:TRP:CE2	2.51	0.45
16:G:847:BCR:H15C	16:G:847:BCR:H351	1.75	0.45
14:a:807:CLA:HBA2	14:a:807:CLA:H3A	1.68	0.45
14:b:804:CLA:H41	14:b:804:CLA:H62	1.77	0.45
1:A:178:PHE:HD1	1:A:179:HIS:HD2	1.62	0.45
14:G:802:CLA:H41	14:G:802:CLA:H62	1.81	0.45
16:b:842:BCR:H351	16:b:842:BCR:H15C	1.68	0.45
4:D:41:MET:HE3	4:D:41:MET:HB3	1.84	0.45
5:P:25:SER:HB3	5:P:37:ILE:HD12	1.98	0.45
16:j:1304:BCR:H351	16:j:1304:BCR:H15C	1.77	0.45
14:A:805:CLA:HED1	14:A:829:CLA:H2	1.98	0.45
16:B:847:BCR:H24C	16:B:847:BCR:H371	1.71	0.45
2:b:467:GLN:HG2	2:b:472:LYS:HD3	1.97	0.45
1:A:84:PHE:HE1	14:A:804:CLA:H91	1.82	0.45
16:b:850:BCR:H351	16:b:850:BCR:H15C	1.80	0.45
1:A:66:GLU:HG2	1:A:70:ARG:HH12	1.82	0.45
1:a:325:LEU:HD23	1:a:325:LEU:HA	1.79	0.45
14:H:830:CLA:H142	16:H:846:BCR:H372	1.99	0.45
16:Q:203:BCR:H24C	16:Q:203:BCR:H371	1.71	0.45
1:a:199:HIS:O	1:a:203:GLY:N	2.36	0.45
14:a:853:CLA:HAB	2:b:665:THR:HA	1.98	0.45
14:B:832:CLA:HBC1	16:B:847:BCR:HC7	1.97	0.45
16:H:844:BCR:H351	16:H:844:BCR:H15C	1.68	0.45
14:b:827:CLA:H142	16:b:844:BCR:H372	1.99	0.45
16:b:845:BCR:H24C	16:b:845:BCR:H371	1.67	0.45
4:d:32:THR:OG1	4:d:79:ASP:OD2	2.34	0.45
7:I:15:ILE:O	7:I:19:CYS:HB2	2.16	0.45
1:A:504:ASN:ND2	14:A:816:CLA:OBD	2.49	0.45
14:A:824:CLA:H18	14:A:824:CLA:H151	1.80	0.45
1:a:56:HIS:HD2	14:a:804:CLA:HBB2	1.81	0.45
14:B:803:CLA:H11	14:L:205:CLA:H93	1.99	0.45
14:b:804:CLA:H62	14:b:804:CLA:H102	1.85	0.45
16:b:846:BCR:H15C	16:b:846:BCR:H351	1.70	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:i:101:BCR:H15C	16:i:101:BCR:H351	1.72	0.45
8:S:10:THR:HG22	8:S:12:PRO:HD2	1.99	0.45
1:A:84:PHE:HZ	14:A:812:CLA:H52	1.82	0.45
1:A:111:LYS:HD2	1:A:138:GLN:HE22	1.81	0.45
1:A:581:PRO:HB3	2:B:565:CYS:HB2	2.00	0.45
16:A:848:BCR:H351	16:A:848:BCR:H15C	1.74	0.45
1:G:665:TYR:CD2	2:H:448:ALA:HA	2.51	0.45
14:a:842:CLA:HAA2	14:V:1601:CLA:HAA2	1.98	0.45
1:A:672:TYR:HB3	1:A:749:ALA:HB2	1.99	0.44
1:G:549:THR:HG21	14:G:825:CLA:HAC2	1.99	0.44
14:a:825:CLA:H171	16:a:847:BCR:H402	1.99	0.44
2:B:454:LYS:HE3	6:F:34:ARG:HD2	1.99	0.44
16:B:845:BCR:H351	16:B:845:BCR:H15C	1.72	0.44
14:H:809:CLA:H162	14:H:830:CLA:HBB2	1.99	0.44
14:b:803:CLA:H11	14:l:204:CLA:H93	1.99	0.44
14:b:836:CLA:H92	14:b:836:CLA:H61	1.88	0.44
16:b:843:BCR:H15C	16:b:843:BCR:H351	1.73	0.44
6:f:59:ARG:HD3	6:f:59:ARG:HA	1.72	0.44
1:a:444:LEU:HA	1:a:447:VAL:HG12	1.99	0.44
16:a:849:BCR:H15C	16:a:849:BCR:H351	1.75	0.44
2:B:584:LEU:HD23	14:B:801:CLA:HMD3	1.99	0.44
14:B:830:CLA:H142	16:B:846:BCR:H372	1.99	0.44
16:V:1602:BCR:H24C	16:V:1602:BCR:H371	1.69	0.44
1:A:38:LEU:HD21	1:A:51:LEU:HA	1.98	0.44
1:A:406:VAL:HG11	1:A:599:LEU:HD23	1.99	0.44
1:G:399:TRP:HD1	14:G:827:CLA:HAB	1.81	0.44
16:G:845:BCR:H351	16:G:845:BCR:H15C	1.72	0.44
2:B:497:ASN:HB3	2:B:500:LEU:HD23	2.00	0.44
14:B:806:CLA:H142	16:I:101:BCR:H271	1.99	0.44
16:H:850:BCR:H24C	16:H:850:BCR:H371	1.81	0.44
16:U:203:BCR:H24C	16:U:203:BCR:H371	1.69	0.44
14:A:826:CLA:HBB1	14:A:833:CLA:HMA1	1.99	0.44
14:A:852:CLA:H11	2:B:622:LEU:HD22	1.99	0.44
16:G:843:BCR:H371	16:G:843:BCR:H24C	1.75	0.44
14:B:839:CLA:H62	14:B:839:CLA:H2	1.66	0.44
2:b:380:TYR:CD2	14:b:826:CLA:HAB	2.50	0.44
4:O:115:VAL:HG12	4:O:138:PRO:HB3	1.99	0.44
16:L:209:BCR:H351	16:L:209:BCR:H15C	1.69	0.44
1:G:75:ALA:HB1	14:G:804:CLA:HBB1	2.00	0.44
1:G:722:LEU:HD11	15:G:842:PQN:H151	2.00	0.44
14:G:807:CLA:H112	14:G:829:CLA:H203	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:252:LEU:HD13	1:a:252:LEU:HA	1.82	0.44
16:a:846:BCR:H351	16:a:846:BCR:H15C	1.71	0.44
14:B:809:CLA:H162	14:B:830:CLA:HBB2	2.00	0.44
14:B:838:CLA:H92	14:B:838:CLA:H61	1.88	0.44
16:V:1602:BCR:H15C	16:V:1602:BCR:H351	1.71	0.44
1:a:115:GLN:NE2	14:a:808:CLA:OBD	2.51	0.44
2:B:504:LEU:HA	2:B:507:ILE:HG22	1.98	0.44
14:H:815:CLA:H2	14:H:815:CLA:H62	1.86	0.44
14:b:819:CLA:HBA2	14:b:819:CLA:H3A	1.67	0.44
4:O:30:THR:O	4:O:80:TYR:HA	2.18	0.44
14:Q:201:CLA:H62	14:Q:201:CLA:H2	1.71	0.44
1:G:665:TYR:HD2	2:H:448:ALA:HA	1.82	0.44
15:a:843:PQN:H161	15:a:843:PQN:H141	1.68	0.44
16:H:846:BCR:H15C	16:H:846:BCR:H351	1.72	0.44
12:x:20:LEU:HD13	14:x:1701:CLA:HBB1	2.00	0.44
1:G:18:ASN:HD21	1:G:183:ARG:NH1	2.16	0.44
1:G:180:TYR:HD2	1:G:181:HIS:HD2	1.65	0.44
16:a:847:BCR:H351	16:a:847:BCR:H15C	1.73	0.44
14:B:808:CLA:HBA1	14:B:808:CLA:H3A	1.74	0.44
14:H:830:CLA:H3A	14:H:830:CLA:HBA2	1.65	0.44
14:A:807:CLA:H112	14:A:829:CLA:H203	2.00	0.44
15:H:843:PQN:H261	15:H:843:PQN:H222	1.81	0.44
14:b:807:CLA:H12	7:i:18:VAL:HG21	1.99	0.44
7:R:15:ILE:O	7:R:19:CYS:HB2	2.18	0.44
7:i:15:ILE:O	7:i:19:CYS:HB2	2.18	0.44
16:j:1305:BCR:H24C	16:j:1305:BCR:H371	1.78	0.44
16:A:848:BCR:H24C	16:A:848:BCR:H371	1.82	0.43
1:G:698:GLN:HE22	1:G:721:ALA:H	1.65	0.43
1:a:148:ARG:HG2	1:a:381:PRO:HG2	1.99	0.43
1:a:406:VAL:HG11	1:a:599:LEU:HD23	1.99	0.43
14:a:805:CLA:HED1	14:a:829:CLA:H2	1.99	0.43
2:B:634:SER:O	2:B:634:SER:OG	2.30	0.43
5:e:42:LYS:HB2	5:e:42:LYS:HE3	1.86	0.43
6:Q:55:GLY:HA2	6:Q:64:LEU:HD11	2.00	0.43
16:m:1203:BCR:H24C	16:m:1203:BCR:H371	1.69	0.43
15:A:843:PQN:H302	15:A:843:PQN:H262	1.85	0.43
1:a:95:ALA:HB2	1:a:158:LEU:HB2	2.00	0.43
16:a:847:BCR:H371	16:a:847:BCR:H24C	1.82	0.43
14:B:805:CLA:H41	14:B:805:CLA:H62	1.79	0.43
16:A:844:BCR:H371	16:A:844:BCR:H24C	1.73	0.43
1:G:444:LEU:HA	1:G:447:VAL:HG12	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:196:MET:HE3	14:a:824:CLA:H122	2.00	0.43
2:H:368:HIS:HD2	2:H:608:TRP:CD2	2.37	0.43
2:H:700:LYS:HD2	10:U:100:SER:HA	2.01	0.43
14:H:842:CLA:HBA2	14:H:842:CLA:H3A	1.70	0.43
1:A:157:GLN:HE21	14:A:813:CLA:CGD	2.31	0.43
15:A:843:PQN:H161	15:A:843:PQN:H141	1.71	0.43
1:G:42:PRO:HG3	6:Q:99:ILE:HD13	2.00	0.43
1:G:76:HIS:ND1	14:G:812:CLA:OBD	2.43	0.43
14:G:851:CLA:H142	16:R:102:BCR:H271	2.01	0.43
14:G:851:CLA:HAB	2:H:665:THR:HA	1.99	0.43
1:a:27:LYS:HB2	14:a:810:CLA:HAA2	1.99	0.43
2:B:359:PRO:HA	2:B:360:PRO:HD3	1.93	0.43
16:H:852:BCR:H371	16:H:852:BCR:H24C	1.75	0.43
14:b:831:CLA:H191	14:b:837:CLA:H13	1.98	0.43
3:N:33:CYS:SG	3:N:34:LYS:N	2.92	0.43
1:G:579:ASP:OD2	1:G:583:ARG:NH2	2.44	0.43
14:a:827:CLA:H62	14:a:827:CLA:H41	1.76	0.43
14:a:840:CLA:HBA2	14:a:840:CLA:H3A	1.79	0.43
14:B:841:CLA:H141	14:B:841:CLA:H162	1.88	0.43
2:H:651:VAL:HG22	14:H:812:CLA:HAC1	2.00	0.43
14:H:809:CLA:H111	14:H:809:CLA:H72	1.83	0.43
2:b:461:VAL:HG11	6:f:52:VAL:HG23	1.99	0.43
2:b:587:PHE:HD2	14:b:801:CLA:HAC2	1.84	0.43
14:b:826:CLA:HBC3	19:b:849:LMG:H431	1.99	0.43
1:A:694:ARG:HH12	1:A:698:GLN:HE21	1.67	0.43
14:A:825:CLA:H171	16:A:847:BCR:H402	2.00	0.43
14:G:840:CLA:HMB1	2:H:697:VAL:HG21	1.99	0.43
16:B:848:BCR:H282	16:B:848:BCR:H402	1.79	0.43
2:H:457:LEU:HD12	2:H:520:PRO:HG2	2.00	0.43
14:H:803:CLA:H11	14:U:206:CLA:H93	2.00	0.43
14:H:808:CLA:HBA1	14:H:808:CLA:H3A	1.77	0.43
16:b:846:BCR:H371	16:b:846:BCR:H24C	1.79	0.43
12:X:12:ARG:H	12:X:12:ARG:HD2	1.84	0.43
16:A:849:BCR:H15C	16:A:849:BCR:H351	1.74	0.43
14:a:827:CLA:H8	14:a:827:CLA:H51	1.73	0.43
2:B:217:HIS:CD2	2:B:218:PRO:HD2	2.53	0.43
2:H:60:VAL:HG21	14:H:830:CLA:H11	1.99	0.43
2:H:456:ILE:HG23	6:Q:51:LEU:HD22	2.01	0.43
2:b:600:TRP:HD1	14:b:836:CLA:HAC1	1.83	0.43
10:U:28:LYS:HB3	10:U:28:LYS:HE2	1.88	0.43
14:G:824:CLA:H151	14:G:824:CLA:H18	1.84	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:G:842:PQN:H141	15:G:842:PQN:H161	1.76	0.43
2:H:79:ASP:OD2	2:H:82:ASN:N	2.46	0.43
2:H:181:LEU:HG	14:H:815:CLA:H43	2.00	0.43
3:N:2:HIS:ND1	3:N:68:LEU:HA	2.34	0.43
5:E:43:VAL:HB	5:E:54:GLY:HA3	1.99	0.43
16:L:209:BCR:H371	16:L:209:BCR:H24C	1.71	0.43
14:G:825:CLA:H171	16:G:846:BCR:H402	2.00	0.43
2:H:425:LEU:HA	2:H:428:VAL:HG22	2.01	0.43
2:H:445:VAL:HG13	2:H:449:PHE:HE2	1.83	0.43
14:H:806:CLA:H62	14:H:806:CLA:H102	1.84	0.43
2:b:74:GLU:OE2	2:b:74:GLU:N	2.52	0.43
16:U:203:BCR:H351	16:U:203:BCR:H15C	1.70	0.43
1:a:372:GLN:HG3	1:a:375:TYR:HE1	1.84	0.42
14:a:802:CLA:H2	14:a:802:CLA:HED2	1.99	0.42
2:B:60:VAL:HG21	14:B:830:CLA:H11	2.01	0.42
2:B:278:ALA:CB	14:B:819:CLA:HAB	2.49	0.42
16:H:852:BCR:H351	16:H:852:BCR:H15C	1.80	0.42
2:b:418:LYS:HG2	2:b:419:GLU:OE2	2.20	0.42
14:b:813:CLA:HAB	14:b:827:CLA:H162	1.99	0.42
14:b:815:CLA:H3A	14:b:815:CLA:HBA2	1.74	0.42
14:b:823:CLA:H41	14:b:823:CLA:H61	1.63	0.42
4:d:115:VAL:HG12	4:d:138:PRO:HB3	2.01	0.42
1:A:199:HIS:O	1:A:203:GLY:N	2.37	0.42
1:A:363:MET:HE3	14:A:828:CLA:HBC3	2.01	0.42
1:G:406:VAL:HG11	1:G:599:LEU:HD23	2.02	0.42
14:G:812:CLA:H2A	14:G:812:CLA:HED2	2.01	0.42
1:a:358:ILE:HD11	16:a:847:BCR:HC7	2.00	0.42
14:B:820:CLA:H41	14:B:820:CLA:H62	1.63	0.42
14:B:830:CLA:HBA2	14:B:830:CLA:H3A	1.65	0.42
14:b:812:CLA:H142	14:b:812:CLA:H112	1.85	0.42
16:A:845:BCR:H371	16:A:845:BCR:H24C	1.71	0.42
14:a:802:CLA:H93	14:a:802:CLA:H61	1.90	0.42
2:B:36:MET:HE2	2:B:36:MET:HB2	1.94	0.42
2:H:460:PRO:HG3	2:H:523:PHE:HB2	2.01	0.42
4:d:97:LYS:HB3	4:d:97:LYS:HE3	1.73	0.42
4:d:124:ASN:HD22	4:d:127:GLN:NE2	2.17	0.42
6:F:23:ASN:HD21	6:F:28:PRO:HA	1.84	0.42
16:F:202:BCR:H24C	16:F:202:BCR:H371	1.70	0.42
14:A:840:CLA:HMB1	2:B:697:VAL:HG21	2.02	0.42
14:G:827:CLA:H41	14:G:827:CLA:H62	1.79	0.42
1:a:651:ARG:HH11	1:a:651:ARG:HD2	1.69	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:a:846:BCR:H24C	16:a:846:BCR:H371	1.85	0.42
2:B:60:VAL:HG21	14:B:830:CLA:H42	2.01	0.42
14:B:805:CLA:H62	14:B:805:CLA:H102	1.86	0.42
14:H:821:CLA:O1A	14:H:826:CLA:HAB	2.20	0.42
6:F:107:ILE:HA	6:F:110:MET:HG2	2.00	0.42
14:G:817:CLA:HBA2	14:G:817:CLA:H3A	1.71	0.42
14:G:831:CLA:H143	14:G:831:CLA:H111	1.92	0.42
1:a:28:TRP:HZ2	14:a:803:CLA:H11	1.84	0.42
14:a:809:CLA:HBA2	14:a:809:CLA:H3A	1.68	0.42
14:a:824:CLA:H18	14:a:824:CLA:H151	1.81	0.42
14:b:818:CLA:HMB3	14:b:823:CLA:H52	2.01	0.42
6:f:55:GLY:HA2	6:f:64:LEU:HD11	2.01	0.42
10:U:149:MET:HE2	10:U:149:MET:HB3	1.89	0.42
11:M:16:LEU:HD23	11:M:16:LEU:HA	1.91	0.42
1:A:379:PRO:HG2	1:A:380:TYR:HD1	1.85	0.42
1:A:565:LEU:HD11	1:A:583:ARG:HD3	2.02	0.42
1:G:28:TRP:HZ2	14:G:803:CLA:H11	1.84	0.42
14:G:831:CLA:H62	14:G:831:CLA:H102	1.91	0.42
16:G:844:BCR:H15C	16:G:844:BCR:H351	1.77	0.42
14:a:811:CLA:HAB	14:a:819:CLA:C4C	2.49	0.42
16:B:846:BCR:H15C	16:B:846:BCR:H351	1.72	0.42
2:H:554:PRO:HD2	3:N:61:PHE:CE1	2.55	0.42
14:H:820:CLA:H41	14:H:820:CLA:H62	1.63	0.42
16:l:202:BCR:H15C	16:l:202:BCR:H351	1.69	0.42
1:A:698:GLN:NE2	1:A:721:ALA:H	2.18	0.42
1:a:538:VAL:O	1:a:542:HIS:ND1	2.53	0.42
14:a:836:CLA:H92	14:a:836:CLA:H61	1.83	0.42
2:H:721:VAL:HG22	19:H:851:LMG:H441	2.01	0.42
14:H:810:CLA:H12	7:R:18:VAL:HG21	2.01	0.42
10:L:145:VAL:HA	10:L:148:ILE:HG22	2.02	0.42
16:U:202:BCR:H15C	16:U:202:BCR:H351	1.78	0.42
1:A:281:PHE:HB3	1:A:505:ALA:HA	2.01	0.42
14:G:839:CLA:H3A	14:G:839:CLA:HBA2	1.78	0.42
14:B:820:CLA:H93	14:B:820:CLA:H61	1.90	0.42
2:H:720:SER:O	2:H:724:ILE:HG12	2.20	0.42
14:H:828:CLA:H62	14:H:828:CLA:H92	1.81	0.42
2:b:360:PRO:HD2	2:b:361:TYR:HD1	1.85	0.42
5:P:58:ASN:OD1	5:P:59:ASN:N	2.53	0.42
16:l:206:BCR:H351	16:l:206:BCR:H15C	1.80	0.42
16:M:1602:BCR:H351	16:M:1602:BCR:H15C	1.70	0.42
14:A:836:CLA:H92	14:A:836:CLA:H61	1.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:270:PHE:O	1:G:272:TRP:N	2.53	0.42
1:G:317:THR:HG22	1:G:318:ASN:H	1.85	0.42
16:G:845:BCR:H24C	16:G:845:BCR:H371	1.86	0.42
16:a:848:BCR:H24C	16:a:848:BCR:H371	1.83	0.42
16:a:848:BCR:H351	16:a:848:BCR:H15C	1.74	0.42
14:B:822:CLA:H3A	14:B:822:CLA:HBA2	1.66	0.42
3:N:2:HIS:CE1	3:N:68:LEU:HG	2.54	0.42
14:B:802:CLA:H142	14:B:802:CLA:H111	1.91	0.42
14:B:805:CLA:H202	14:B:805:CLA:H161	1.88	0.42
16:J:1305:BCR:H351	16:J:1305:BCR:H15C	1.86	0.42
1:A:593:ASP:HA	1:A:596:PHE:HB3	2.01	0.41
14:A:827:CLA:H41	14:A:827:CLA:H62	1.80	0.41
1:G:226:LEU:HD21	1:G:252:LEU:HD11	2.02	0.41
1:a:272:TRP:CZ2	14:a:816:CLA:HBB1	2.54	0.41
2:B:466:ILE:O	2:B:470:HIS:ND1	2.50	0.41
14:B:809:CLA:H111	14:B:809:CLA:H72	1.83	0.41
16:B:850:BCR:H24C	16:B:850:BCR:H371	1.79	0.41
2:b:141:LEU:HD23	2:b:141:LEU:HA	1.92	0.41
2:b:232:TYR:HB3	2:b:254:LEU:HB2	2.00	0.41
14:b:801:CLA:H143	14:b:801:CLA:H161	1.92	0.41
16:I:101:BCR:H371	16:I:101:BCR:H24C	1.72	0.41
7:i:13:ILE:HG13	7:i:14:PHE:HD1	1.84	0.41
1:A:183:ARG:NH1	14:A:809:CLA:O1D	2.51	0.41
16:A:846:BCR:H24C	16:A:846:BCR:H371	1.87	0.41
14:A:852:CLA:H41	14:A:852:CLA:H61	1.66	0.41
1:a:575:ARG:NH1	14:a:829:CLA:O1D	2.53	0.41
2:B:141:LEU:HD23	2:B:141:LEU:HA	1.91	0.41
2:H:339:TRP:HE1	14:H:826:CLA:CHB	2.33	0.41
2:b:451:THR:HG21	2:b:454:LYS:HE2	2.02	0.41
6:F:27:ASP:HB3	6:F:30:SER:HB3	2.03	0.41
10:U:5:VAL:HG12	10:U:19:THR:HA	2.01	0.41
1:a:377:MET:SD	14:a:817:CLA:HAA2	2.61	0.41
1:a:450:PHE:CE2	14:a:836:CLA:HAB	2.54	0.41
14:B:818:CLA:H3A	14:B:818:CLA:HBA2	1.74	0.41
14:B:834:CLA:HBA2	14:B:834:CLA:H3A	1.82	0.41
14:H:820:CLA:H93	14:H:820:CLA:H61	1.91	0.41
14:H:834:CLA:H61	14:H:834:CLA:H102	1.97	0.41
2:b:74:GLU:OE1	2:b:131:ASN:N	2.53	0.41
3:c:65:ARG:HA	3:c:65:ARG:HD2	1.84	0.41
6:Q:123:GLU:HG2	6:Q:128:GLU:OE2	2.20	0.41
1:A:317:THR:HG22	1:A:318:ASN:H	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:802:CLA:H41	14:A:802:CLA:H62	1.82	0.41
17:a:850:LHG:H142	17:a:850:LHG:H111	1.90	0.41
2:B:587:PHE:HD2	14:B:801:CLA:HAC2	1.84	0.41
14:H:806:CLA:H202	14:H:806:CLA:H161	1.84	0.41
14:H:839:CLA:H3A	14:H:839:CLA:HBA2	1.86	0.41
2:b:376:THR:HG23	2:b:597:THR:HG21	2.01	0.41
2:b:522:ASP:O	2:b:526:HIS:ND1	2.37	0.41
7:I:22:MET:HE2	7:I:23:PRO:HD3	2.02	0.41
16:S:104:BCR:H351	16:S:104:BCR:H15C	1.87	0.41
1:A:77:PHE:CE2	14:A:812:CLA:HED1	2.55	0.41
1:A:115:GLN:HG2	1:A:137:ILE:HD12	2.02	0.41
1:A:409:ALA:HA	16:A:848:BCR:HC41	2.03	0.41
1:A:651:ARG:HD3	2:B:639:ASN:ND2	2.35	0.41
14:A:839:CLA:H3A	14:A:839:CLA:HBA2	1.78	0.41
1:G:292:LEU:HD11	1:G:377:MET:HB2	2.02	0.41
1:G:675:LEU:HD21	14:G:827:CLA:H143	2.01	0.41
14:G:840:CLA:H91	16:U:208:BCR:H392	2.02	0.41
1:a:733:ALA:HA	17:a:850:LHG:H341	2.01	0.41
16:a:844:BCR:H24C	16:a:844:BCR:H371	1.73	0.41
14:a:853:CLA:H143	14:a:853:CLA:H111	1.91	0.41
2:B:414:VAL:HA	2:B:417:HIS:CE1	2.55	0.41
2:H:466:ILE:HG22	2:H:470:HIS:HE1	1.84	0.41
16:H:848:BCR:H24C	16:H:848:BCR:H371	1.80	0.41
2:b:342:ALA:HB2	16:b:846:BCR:H372	2.02	0.41
16:b:850:BCR:H371	16:b:850:BCR:H24C	1.76	0.41
16:J:1305:BCR:H24C	16:J:1305:BCR:H371	1.79	0.41
16:m:1203:BCR:H351	16:m:1203:BCR:H15C	1.70	0.41
14:A:817:CLA:HBA2	14:A:817:CLA:H3A	1.70	0.41
14:A:827:CLA:H141	14:A:827:CLA:H162	1.87	0.41
14:A:829:CLA:H92	14:A:829:CLA:H61	1.92	0.41
14:A:839:CLA:H62	14:A:839:CLA:H41	1.72	0.41
14:G:825:CLA:CAD	14:G:835:CLA:HBB1	2.51	0.41
2:B:173:ARG:NH1	14:B:826:CLA:OBD	2.50	0.41
2:B:235:ASN:HA	2:B:236:PRO:HD2	1.99	0.41
2:B:329:TYR:CE2	2:B:336:GLN:HG2	2.56	0.41
14:B:809:CLA:H172	14:B:809:CLA:H102	2.01	0.41
14:B:829:CLA:HBC3	19:B:851:LMG:H431	2.03	0.41
2:H:173:ARG:HH11	2:H:173:ARG:HD2	1.72	0.41
2:H:459:GLU:HA	2:H:460:PRO:HD3	1.90	0.41
14:H:809:CLA:H91	19:H:851:LMG:H401	2.01	0.41
14:H:821:CLA:H143	14:H:821:CLA:H111	1.92	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:b:806:CLA:H111	14:b:806:CLA:H72	1.85	0.41
14:b:813:CLA:HMA3	16:b:844:BCR:H402	2.02	0.41
6:F:118:LEU:O	6:F:122:LYS:HB2	2.21	0.41
10:L:80:ILE:HG22	14:U:201:CLA:H42	2.03	0.41
10:l:145:VAL:HA	10:l:148:ILE:HG22	2.03	0.41
1:A:237:PRO:HG2	1:A:242:PHE:CZ	2.56	0.41
1:A:270:PHE:O	1:A:272:TRP:N	2.53	0.41
14:A:831:CLA:H143	14:A:831:CLA:H111	1.91	0.41
14:G:827:CLA:H51	14:G:827:CLA:H8	1.75	0.41
1:a:34:PHE:HB2	1:a:61:HIS:CD2	2.56	0.41
14:H:839:CLA:H13	14:Q:201:CLA:H191	2.02	0.41
16:H:848:BCR:H351	16:H:848:BCR:H15C	1.71	0.41
2:b:173:ARG:NE	14:b:823:CLA:HMD3	2.34	0.41
2:b:419:GLU:OE1	6:f:141:ARG:NH1	2.53	0.41
14:b:817:CLA:H93	14:b:817:CLA:H61	1.91	0.41
10:L:87:LEU:HD23	10:L:87:LEU:HA	1.96	0.41
10:l:86:ILE:HG12	10:l:128:ALA:HB1	2.02	0.41
1:A:28:TRP:HZ2	14:A:803:CLA:H11	1.86	0.41
1:A:722:LEU:HD23	1:A:726:GLN:OE1	2.20	0.41
15:A:843:PQN:H172	16:B:849:BCR:H382	2.02	0.41
1:G:38:LEU:HD21	1:G:51:LEU:HA	2.03	0.41
1:G:400:ILE:HD12	14:G:828:CLA:HAB	2.03	0.41
1:a:409:ALA:HA	16:a:848:BCR:HC41	2.02	0.41
14:a:853:CLA:H111	16:b:848:BCR:H362	2.03	0.41
2:B:483:ASN:HA	2:B:484:PRO:HD3	1.90	0.41
2:H:588:TRP:CH2	14:H:805:CLA:HAB	2.56	0.41
16:H:849:BCR:H371	16:H:849:BCR:H24C	1.83	0.41
2:b:31:GLU:OE2	2:b:334:HIS:NE2	2.47	0.41
2:b:466:ILE:HG22	2:b:470:HIS:HE1	1.86	0.41
5:e:36:VAL:HG11	5:e:65:VAL:HG21	2.03	0.41
14:A:827:CLA:HBA2	14:A:827:CLA:H3A	1.72	0.41
1:a:628:ASP:N	1:a:628:ASP:OD1	2.54	0.41
14:a:853:CLA:H142	16:i:101:BCR:H271	2.02	0.41
2:B:418:LYS:HE2	6:F:141:ARG:NH1	2.36	0.41
14:B:809:CLA:H91	19:B:851:LMG:H401	2.01	0.41
16:B:852:BCR:H351	16:B:852:BCR:H15C	1.80	0.41
2:H:60:VAL:HG21	14:H:830:CLA:H42	2.02	0.41
2:H:189:TRP:HD1	2:H:276:HIS:ND1	2.18	0.41
2:H:514:LEU:HD12	2:H:514:LEU:HA	1.88	0.41
2:b:277:LEU:HD23	2:b:277:LEU:HA	1.87	0.41
2:b:340:HIS:CD2	14:b:823:CLA:HAA1	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:425:LEU:HA	2:b:428:VAL:HG12	2.03	0.41
14:b:831:CLA:H2	14:b:831:CLA:H62	1.69	0.41
14:b:839:CLA:H72	14:b:839:CLA:H111	1.87	0.41
6:f:107:ILE:HA	6:f:110:MET:HG2	2.03	0.41
10:L:129:MET:HB3	16:U:203:BCR:H393	2.03	0.41
10:U:61:PRO:HB3	14:U:207:CLA:HBB1	2.03	0.41
14:A:826:CLA:H152	14:A:826:CLA:H111	1.86	0.41
14:G:826:CLA:H152	14:G:826:CLA:H111	1.85	0.41
1:a:63:SER:O	1:a:63:SER:OG	2.35	0.41
1:a:115:GLN:HG2	1:a:137:ILE:HD12	2.03	0.41
1:a:651:ARG:HD3	2:b:638:ILE:O	2.21	0.41
15:a:843:PQN:H302	15:a:843:PQN:H262	1.86	0.41
14:a:852:CLA:H41	14:a:852:CLA:H61	1.59	0.41
14:B:832:CLA:HBA2	14:B:832:CLA:H3A	1.68	0.41
2:H:504:LEU:HA	2:H:507:ILE:HG22	2.02	0.41
2:b:414:VAL:HA	2:b:417:HIS:CE1	2.56	0.41
4:D:117:ARG:NH1	4:D:122:ASN:OD1	2.54	0.41
5:E:58:ASN:OD1	5:E:59:ASN:N	2.54	0.41
16:S:104:BCR:H24C	16:S:104:BCR:H371	1.78	0.41
11:V:16:LEU:HD23	11:V:16:LEU:HA	1.85	0.41
16:G:846:BCR:H24C	16:G:846:BCR:H371	1.83	0.40
1:a:86:TRP:HZ3	16:a:846:BCR:H401	1.86	0.40
2:B:492:TRP:CE3	2:B:493:PRO:HD3	2.56	0.40
14:B:839:CLA:H13	14:F:201:CLA:H191	2.04	0.40
2:b:44:LYS:HE2	2:b:44:LYS:HB3	1.80	0.40
4:d:85:ILE:HG12	4:d:91:THR:HG22	2.03	0.40
1:A:239:PRO:HA	1:A:242:PHE:CD2	2.54	0.40
1:G:95:ALA:HB2	1:G:158:LEU:HB2	2.02	0.40
16:G:848:BCR:H351	16:G:848:BCR:H15C	1.75	0.40
1:a:145:GLN:HB3	1:a:380:TYR:HB3	2.03	0.40
1:a:369:ILE:HD13	14:a:825:CLA:HED3	2.03	0.40
14:a:802:CLA:H62	14:a:802:CLA:H41	1.81	0.40
2:B:342:ALA:HB2	16:B:848:BCR:H372	2.03	0.40
2:B:350:LEU:HD23	14:B:820:CLA:H62	2.04	0.40
2:H:587:PHE:HD2	14:H:801:CLA:HAC2	1.86	0.40
14:H:806:CLA:H62	14:H:806:CLA:H41	1.77	0.40
2:b:483:ASN:OD1	2:b:486:SER:OG	2.29	0.40
5:e:7:VAL:O	5:e:20:VAL:HA	2.20	0.40
6:F:138:VAL:HG13	6:F:141:ARG:NH2	2.37	0.40
6:f:77:ILE:HD13	6:f:77:ILE:HA	1.80	0.40
10:U:145:VAL:HA	10:U:148:ILE:HG22	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:207:LEU:O	1:A:211:ALA:N	2.52	0.40
14:A:805:CLA:H193	14:A:805:CLA:H161	1.91	0.40
16:G:846:BCR:H15C	16:G:846:BCR:H351	1.74	0.40
13:a:801:CL0:H49	13:a:801:CL0:H41	1.83	0.40
15:a:843:PQN:H172	16:b:847:BCR:H382	2.04	0.40
2:B:535:THR:O	2:B:539:ILE:HG12	2.22	0.40
14:B:841:CLA:H72	14:B:841:CLA:H111	1.91	0.40
15:B:843:PQN:H222	15:B:843:PQN:H261	1.80	0.40
2:H:5:PRO:HG3	2:H:23:ALA:HB2	2.04	0.40
16:H:850:BCR:H351	16:H:850:BCR:H15C	1.72	0.40
16:S:103:BCR:H351	16:S:103:BCR:H15C	1.77	0.40
10:l:139:LEU:HD23	14:l:205:CLA:H42	2.04	0.40
1:A:163:ILE:HD13	1:A:163:ILE:HA	1.96	0.40
1:a:391:LEU:HD12	1:a:613:PHE:HE2	1.86	0.40
2:B:5:PRO:HG3	2:B:23:ALA:HB2	2.03	0.40
2:B:217:HIS:HE1	2:B:231:VAL:O	2.05	0.40
14:B:821:CLA:H143	14:B:821:CLA:H111	1.92	0.40
2:b:175:ASN:ND2	2:b:287:GLY:O	2.52	0.40
7:I:36:GLY:HA2	10:L:102:GLN:HE22	1.87	0.40
1:A:647:ASN:HD22	2:B:657:LEU:HD21	1.86	0.40
1:G:67:ASP:O	1:G:71:LYS:HG3	2.21	0.40
14:G:827:CLA:HBA2	14:G:827:CLA:H3A	1.72	0.40
14:a:807:CLA:H143	14:a:807:CLA:H111	1.97	0.40
14:a:853:CLA:HAB	2:b:664:ALA:O	2.20	0.40
2:B:292:THR:HG23	2:B:294:PHE:H	1.87	0.40
10:U:86:ILE:HG12	10:U:128:ALA:HB1	2.03	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	736/755 (98%)	700 (95%)	35 (5%)	1 (0%)	48 78
1	G	736/755 (98%)	691 (94%)	44 (6%)	1 (0%)	48 78
1	a	736/755 (98%)	695 (94%)	41 (6%)	0	100 100
2	B	737/741 (100%)	690 (94%)	45 (6%)	2 (0%)	36 65
2	H	737/741 (100%)	675 (92%)	59 (8%)	3 (0%)	30 59
2	b	737/741 (100%)	686 (93%)	49 (7%)	2 (0%)	36 65
3	C	78/81 (96%)	70 (90%)	8 (10%)	0	100 100
3	N	78/81 (96%)	70 (90%)	8 (10%)	0	100 100
3	c	78/81 (96%)	71 (91%)	6 (8%)	1 (1%)	9 33
4	D	135/139 (97%)	124 (92%)	10 (7%)	1 (1%)	18 47
4	O	135/139 (97%)	121 (90%)	13 (10%)	1 (1%)	18 47
4	d	135/139 (97%)	121 (90%)	13 (10%)	1 (1%)	18 47
5	E	67/76 (88%)	62 (92%)	5 (8%)	0	100 100
5	P	67/76 (88%)	62 (92%)	5 (8%)	0	100 100
5	e	67/76 (88%)	61 (91%)	6 (9%)	0	100 100
6	F	139/164 (85%)	131 (94%)	8 (6%)	0	100 100
6	Q	139/164 (85%)	130 (94%)	9 (6%)	0	100 100
6	f	139/164 (85%)	131 (94%)	8 (6%)	0	100 100
7	I	36/38 (95%)	32 (89%)	4 (11%)	0	100 100
7	R	36/38 (95%)	32 (89%)	4 (11%)	0	100 100
7	i	36/38 (95%)	33 (92%)	3 (8%)	0	100 100
8	J	39/41 (95%)	35 (90%)	4 (10%)	0	100 100
8	S	39/41 (95%)	35 (90%)	4 (10%)	0	100 100
8	j	39/41 (95%)	36 (92%)	3 (8%)	0	100 100
9	K	40/83 (48%)	37 (92%)	2 (5%)	1 (2%)	4 21
9	T	40/83 (48%)	37 (92%)	2 (5%)	1 (2%)	4 21
9	k	40/83 (48%)	36 (90%)	3 (8%)	1 (2%)	4 21
10	L	149/155 (96%)	143 (96%)	6 (4%)	0	100 100
10	U	149/155 (96%)	141 (95%)	8 (5%)	0	100 100
10	l	149/155 (96%)	144 (97%)	5 (3%)	0	100 100
11	M	29/31 (94%)	28 (97%)	1 (3%)	0	100 100
11	V	29/31 (94%)	27 (93%)	2 (7%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	m	29/31 (94%)	27 (93%)	2 (7%)	0	100 100
12	W	27/39 (69%)	23 (85%)	2 (7%)	2 (7%)	1 5
12	X	27/39 (69%)	23 (85%)	2 (7%)	2 (7%)	1 5
12	x	27/39 (69%)	23 (85%)	2 (7%)	2 (7%)	1 5
All	All	6636/7029 (94%)	6183 (93%)	431 (6%)	22 (0%)	37 65

All (22) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	321	ILE
1	G	321	ILE
2	B	97	LYS
2	B	314	VAL
2	H	97	LYS
2	H	314	VAL
2	b	314	VAL
9	K	41	PRO
9	T	41	PRO
9	k	41	PRO
12	x	32	GLY
2	b	97	LYS
12	W	33	ILE
12	x	33	ILE
12	X	32	GLY
12	X	33	ILE
12	W	32	GLY
3	c	62	LEU
4	d	96	PRO
4	O	96	PRO
2	H	675	GLY
4	D	96	PRO

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	589/603 (98%)	589 (100%)	0	100	100
1	G	589/603 (98%)	589 (100%)	0	100	100
1	a	589/603 (98%)	589 (100%)	0	100	100
2	B	596/598 (100%)	596 (100%)	0	100	100
2	H	596/598 (100%)	596 (100%)	0	100	100
2	b	596/598 (100%)	596 (100%)	0	100	100
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	114/116 (98%)	114 (100%)	0	100	100
4	O	114/116 (98%)	114 (100%)	0	100	100
4	d	114/116 (98%)	114 (100%)	0	100	100
5	E	59/65 (91%)	59 (100%)	0	100	100
5	P	59/65 (91%)	59 (100%)	0	100	100
5	e	59/65 (91%)	59 (100%)	0	100	100
6	F	109/128 (85%)	109 (100%)	0	100	100
6	Q	109/128 (85%)	109 (100%)	0	100	100
6	f	109/128 (85%)	109 (100%)	0	100	100
7	I	32/32 (100%)	32 (100%)	0	100	100
7	R	32/32 (100%)	32 (100%)	0	100	100
7	i	32/32 (100%)	32 (100%)	0	100	100
8	J	36/36 (100%)	36 (100%)	0	100	100
8	S	36/36 (100%)	36 (100%)	0	100	100
8	j	36/36 (100%)	36 (100%)	0	100	100
10	L	117/120 (98%)	117 (100%)	0	100	100
10	U	117/120 (98%)	117 (100%)	0	100	100
10	l	117/120 (98%)	117 (100%)	0	100	100
11	M	25/26 (96%)	25 (100%)	0	100	100
11	V	25/26 (96%)	25 (100%)	0	100	100
11	m	25/26 (96%)	25 (100%)	0	100	100
12	W	20/31 (64%)	20 (100%)	0	100	100
12	X	20/31 (64%)	20 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	x	20/31 (64%)	20 (100%)	0	100	100
All	All	5292/5469 (97%)	5292 (100%)	0	100	100

There are no protein residues with a non-rotameric sidechain to report.

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (137) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	56	HIS
1	A	61	HIS
1	A	79	HIS
1	A	115	GLN
1	A	138	GLN
1	A	179	HIS
1	A	198	ASN
1	A	218	HIS
1	A	224	ASN
1	A	240	HIS
1	A	301	HIS
1	A	332	HIS
1	A	353	HIS
1	A	359	ASN
1	A	390	GLN
1	A	425	ASN
1	A	539	HIS
1	A	571	ASN
1	A	647	ASN
1	A	698	GLN
1	G	18	ASN
1	G	52	HIS
1	G	79	HIS
1	G	115	GLN
1	G	138	GLN
1	G	216	GLN
1	G	224	ASN
1	G	299	HIS
1	G	301	HIS
1	G	313	HIS
1	G	355	GLN
1	G	359	ASN
1	G	390	GLN

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Mol	Chain	Res	Type
1	G	428	ASN
1	G	445	ASN
1	G	494	HIS
1	G	504	ASN
1	G	594	HIS
1	G	618	GLN
1	G	657	GLN
1	G	660	GLN
1	G	698	GLN
1	a	56	HIS
1	a	79	HIS
1	a	115	GLN
1	a	138	GLN
1	a	157	GLN
1	a	240	HIS
1	a	301	HIS
1	a	353	HIS
1	a	355	GLN
1	a	359	ASN
1	a	445	ASN
1	a	461	HIS
1	a	462	ASN
1	a	491	GLN
1	a	571	ASN
1	a	638	ASN
1	a	641	GLN
1	a	660	GLN
1	a	718	GLN
2	B	43	GLN
2	B	52	HIS
2	B	70	GLN
2	B	82	ASN
2	B	94	GLN
2	B	131	ASN
2	B	175	ASN
2	B	217	HIS
2	B	261	HIS
2	B	275	HIS
2	B	276	HIS
2	B	378	HIS
2	B	406	ASN
2	B	417	HIS

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Mol	Chain	Res	Type
2	B	464	GLN
2	B	639	ASN
2	B	647	ASN
2	B	678	GLN
2	B	688	HIS
2	B	695	ASN
2	B	710	GLN
2	H	52	HIS
2	H	82	ASN
2	H	105	GLN
2	H	131	ASN
2	H	155	HIS
2	H	175	ASN
2	H	217	HIS
2	H	228	ASN
2	H	247	GLN
2	H	275	HIS
2	H	276	HIS
2	H	330	ASN
2	H	331	ASN
2	H	368	HIS
2	H	416	GLN
2	H	417	HIS
2	H	443	ASN
2	H	601	HIS
2	H	678	GLN
2	H	710	GLN
2	b	43	GLN
2	b	176	HIS
2	b	192	HIS
2	b	274	HIS
2	b	275	HIS
2	b	319	ASN
2	b	331	ASN
2	b	353	GLN
2	b	435	HIS
2	b	633	ASN
4	D	70	GLN
4	D	124	ASN
4	O	113	ASN
4	O	121	GLN
4	d	54	ASN

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Mol	Chain	Res	Type
4	d	113	ASN
4	d	121	GLN
4	d	127	GLN
5	e	59	ASN
6	F	23	ASN
6	F	95	ASN
6	Q	23	ASN
6	Q	50	HIS
6	f	23	ASN
8	S	30	ASN
8	j	3	HIS
8	j	30	ASN
8	j	39	HIS
10	L	9	ASN
10	L	102	GLN
10	U	33	ASN
10	U	102	GLN
10	U	154	ASN
12	W	23	ASN
12	X	23	ASN

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

Of 381 ligands modelled in this entry, 3 are monoatomic - leaving 378 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	$\#\|Z\| > 2$
16	BCR	a	848	-	41,41,41	2.66	6 (14%)	56,56,56	6.53	19 (33%)
14	CLA	b	805	-	69,73,73	2.20	22 (31%)	82,113,113	2.52	24 (29%)
14	CLA	H	828	-	69,73,73	2.23	23 (33%)	82,113,113	2.54	27 (32%)
16	BCR	b	842	-	41,41,41	2.58	6 (14%)	56,56,56	6.73	20 (35%)
14	CLA	G	837	1	49,53,73	2.53	22 (44%)	58,89,113	2.82	23 (39%)
14	CLA	b	827	-	69,73,73	2.26	22 (31%)	82,113,113	2.40	27 (32%)
14	CLA	H	822	-	49,53,73	2.61	22 (44%)	58,89,113	2.57	23 (39%)
14	CLA	G	827	1	69,73,73	2.26	24 (34%)	82,113,113	2.47	27 (32%)
14	CLA	J	1301	-	49,53,73	2.56	23 (46%)	58,89,113	2.57	23 (39%)
16	BCR	G	845	-	41,41,41	2.61	6 (14%)	56,56,56	6.56	23 (41%)
16	BCR	U	208	-	41,41,41	2.61	6 (14%)	56,56,56	6.63	18 (32%)
14	CLA	a	827	-	69,73,73	2.26	24 (34%)	82,113,113	2.46	28 (34%)
14	CLA	b	815	-	59,63,73	2.45	23 (38%)	70,101,113	2.67	25 (35%)
14	CLA	B	833	-	49,53,73	2.54	22 (44%)	58,89,113	2.74	24 (41%)
14	CLA	a	809	1	49,53,73	2.51	21 (42%)	58,89,113	2.82	24 (41%)
14	CLA	A	805	-	69,73,73	2.23	22 (31%)	82,113,113	2.48	24 (29%)
16	BCR	B	849	-	41,41,41	2.68	6 (14%)	56,56,56	6.71	26 (46%)
19	LMG	H	851	-	51,51,55	1.44	7 (13%)	59,59,63	1.10	2 (3%)
14	CLA	A	812	-	64,68,73	2.26	23 (35%)	76,107,113	2.90	31 (40%)
14	CLA	G	828	-	69,73,73	2.21	21 (30%)	82,113,113	2.43	26 (31%)
14	CLA	U	206	10	69,73,73	2.21	23 (33%)	82,113,113	2.49	26 (31%)
14	CLA	G	822	-	55,59,73	2.50	23 (41%)	64,96,113	2.83	27 (42%)
16	BCR	M	1602	-	41,41,41	2.63	6 (14%)	56,56,56	6.73	26 (46%)
14	CLA	a	816	-	54,58,73	2.53	24 (44%)	64,95,113	2.75	27 (42%)
14	CLA	B	803	-	69,73,73	2.26	23 (33%)	82,113,113	2.43	27 (32%)
14	CLA	B	807	2	54,58,73	2.54	23 (42%)	64,95,113	2.83	25 (39%)
14	CLA	G	836	-	69,73,73	2.21	23 (33%)	82,113,113	2.45	28 (34%)
16	BCR	G	848	-	41,41,41	2.68	6 (14%)	56,56,56	7.04	27 (48%)
16	BCR	H	852	-	41,41,41	2.64	6 (14%)	56,56,56	6.50	26 (46%)
14	CLA	A	831	1	69,73,73	2.22	23 (33%)	82,113,113	2.46	27 (32%)
14	CLA	a	819	-	59,63,73	2.45	24 (40%)	70,101,113	2.72	29 (41%)
14	CLA	b	819	-	49,53,73	2.58	21 (42%)	58,89,113	2.60	23 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
18	SF4	c	102	3	0,12,12	-	-	-		
16	BCR	F	202	-	41,41,41	2.59	6 (14%)	56,56,56	6.45	25 (44%)
14	CLA	H	826	2	58,62,73	2.71	23 (39%)	68,99,113	2.51	33 (48%)
16	BCR	B	848	-	41,41,41	2.64	7 (17%)	56,56,56	6.69	30 (53%)
16	BCR	H	846	-	41,41,41	2.62	6 (14%)	56,56,56	6.60	23 (41%)
14	CLA	b	808	-	69,73,73	2.20	21 (30%)	82,113,113	2.63	27 (32%)
14	CLA	b	829	2	49,53,73	2.55	20 (40%)	58,89,113	2.76	29 (50%)
14	CLA	V	1601	-	49,53,73	2.57	21 (42%)	58,89,113	2.80	25 (43%)
14	CLA	B	842	2	69,73,73	2.20	22 (31%)	82,113,113	2.50	29 (35%)
17	LHG	G	850	-	26,26,48	1.27	2 (7%)	29,32,54	1.26	3 (10%)
14	CLA	a	832	1	69,73,73	2.23	21 (30%)	82,113,113	2.45	27 (32%)
14	CLA	m	1202	-	49,53,73	2.57	22 (44%)	58,89,113	2.82	24 (41%)
14	CLA	b	811	2	49,53,73	2.56	23 (46%)	58,89,113	2.76	26 (44%)
14	CLA	L	201	-	69,73,73	2.20	23 (33%)	82,113,113	2.52	26 (31%)
18	SF4	c	101	3	0,12,12	-	-	-		
14	CLA	G	815	1	49,53,73	2.57	20 (40%)	58,89,113	2.83	23 (39%)
16	BCR	A	844	-	41,41,41	2.60	6 (14%)	56,56,56	6.73	21 (37%)
17	LHG	a	851	-	26,26,48	1.26	2 (7%)	29,32,54	1.28	3 (10%)
14	CLA	G	838	-	54,58,73	2.51	22 (40%)	64,95,113	2.81	27 (42%)
14	CLA	a	813	-	49,53,73	2.54	23 (46%)	58,89,113	2.98	26 (44%)
14	CLA	U	207	-	69,73,73	2.24	24 (34%)	82,113,113	2.41	25 (30%)
16	BCR	G	844	-	41,41,41	2.60	6 (14%)	56,56,56	6.58	24 (42%)
14	CLA	A	820	-	69,73,73	2.23	24 (34%)	82,113,113	2.44	26 (31%)
14	CLA	B	805	-	69,73,73	2.35	21 (30%)	82,113,113	2.20	23 (28%)
14	CLA	B	801	-	69,73,73	2.29	20 (28%)	82,113,113	2.08	23 (28%)
14	CLA	G	808	1	69,73,73	2.27	23 (33%)	82,113,113	2.46	27 (32%)
14	CLA	G	821	-	49,53,73	2.51	22 (44%)	58,89,113	2.93	27 (46%)
14	CLA	A	834	-	49,53,73	2.53	22 (44%)	58,89,113	2.81	22 (37%)
14	CLA	H	812	2	69,73,73	2.23	22 (31%)	82,113,113	2.38	29 (35%)
14	CLA	b	825	-	69,73,73	2.23	23 (33%)	82,113,113	2.50	27 (32%)
16	BCR	l	206	-	41,41,41	2.59	6 (14%)	56,56,56	6.56	19 (33%)
14	CLA	a	824	-	69,73,73	2.22	22 (31%)	82,113,113	2.35	25 (30%)
14	CLA	A	807	1	69,73,73	2.23	21 (30%)	82,113,113	2.54	29 (35%)
14	CLA	H	833	-	49,53,73	2.54	22 (44%)	58,89,113	2.75	24 (41%)
16	BCR	H	849	-	41,41,41	2.67	6 (14%)	56,56,56	6.68	27 (48%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	824	-	69,73,73	2.22	23 (33%)	82,113,113	2.41	26 (31%)
13	CL0	G	801	-	69,73,73	2.25	20 (28%)	82,113,113	2.36	23 (28%)
14	CLA	b	818	-	69,73,73	2.21	24 (34%)	82,113,113	2.43	27 (32%)
14	CLA	A	837	1	49,53,73	2.54	22 (44%)	58,89,113	2.82	23 (39%)
14	CLA	a	839	-	54,58,73	2.51	24 (44%)	64,95,113	2.80	25 (39%)
14	CLA	H	809	2	69,73,73	2.21	23 (33%)	82,113,113	2.43	24 (29%)
14	CLA	H	838	2	64,68,73	2.30	21 (32%)	76,107,113	2.52	26 (34%)
14	CLA	G	834	-	49,53,73	2.53	22 (44%)	58,89,113	2.82	23 (39%)
14	CLA	B	830	2	69,73,73	2.27	23 (33%)	82,113,113	2.45	27 (32%)
14	CLA	B	821	-	69,73,73	2.22	24 (34%)	82,113,113	2.42	28 (34%)
14	CLA	A	803	1,14	59,63,73	2.41	22 (37%)	70,101,113	2.64	30 (42%)
14	CLA	G	825	-	69,73,73	2.23	23 (33%)	82,113,113	2.49	27 (32%)
14	CLA	a	812	-	64,68,73	2.29	22 (34%)	76,107,113	2.80	30 (39%)
14	CLA	H	831	-	69,73,73	2.24	23 (33%)	82,113,113	2.56	29 (35%)
14	CLA	B	838	-	64,68,73	2.32	23 (35%)	76,107,113	2.52	28 (36%)
14	CLA	b	823	-	58,62,73	2.43	23 (39%)	68,99,113	2.61	28 (41%)
14	CLA	j	1302	8	49,53,73	2.57	23 (46%)	58,89,113	2.82	24 (41%)
14	CLA	a	805	-	69,73,73	2.22	21 (30%)	82,113,113	2.50	24 (29%)
14	CLA	H	832	2	49,53,73	2.50	20 (40%)	58,89,113	2.79	26 (44%)
14	CLA	G	830	1	54,58,73	2.51	23 (42%)	64,95,113	2.79	25 (39%)
14	CLA	a	840	1	69,73,73	2.24	24 (34%)	82,113,113	2.52	27 (32%)
14	CLA	a	831	1	69,73,73	2.22	23 (33%)	82,113,113	2.46	27 (32%)
16	BCR	i	101	-	41,41,41	2.62	6 (14%)	56,56,56	6.71	21 (37%)
16	BCR	S	103	-	41,41,41	2.61	6 (14%)	56,56,56	6.60	23 (41%)
14	CLA	a	820	-	69,73,73	2.24	24 (34%)	82,113,113	2.43	25 (30%)
18	SF4	A	853	1,2	0,12,12	-	-	-		
14	CLA	B	808	-	69,73,73	2.20	22 (31%)	82,113,113	2.48	24 (29%)
14	CLA	a	802	-	69,73,73	2.24	22 (31%)	82,113,113	2.45	25 (30%)
14	CLA	J	1302	8	49,53,73	2.58	22 (44%)	58,89,113	2.79	22 (37%)
14	CLA	H	805	-	69,73,73	2.24	22 (31%)	82,113,113	2.53	27 (32%)
14	CLA	G	818	-	69,73,73	2.25	23 (33%)	82,113,113	2.42	26 (31%)
14	CLA	G	802	1	69,73,73	2.24	23 (33%)	82,113,113	2.50	26 (31%)
16	BCR	b	845	-	41,41,41	2.36	7 (17%)	56,56,56	6.15	29 (51%)
14	CLA	B	841	-	69,73,73	2.23	24 (34%)	82,113,113	2.48	26 (31%)
14	CLA	A	813	-	49,53,73	2.54	23 (46%)	58,89,113	2.89	26 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	BCR	L	207	-	41,41,41	2.58	6 (14%)	56,56,56	6.57	19 (33%)
16	BCR	L	202	-	41,41,41	2.65	6 (14%)	56,56,56	6.57	23 (41%)
15	PQN	b	841	-	34,34,34	1.60	2 (5%)	43,45,45	1.01	3 (6%)
18	SF4	G	852	1,2	0,12,12	-	-	-		
14	CLA	H	835	-	49,53,73	2.54	23 (46%)	58,89,113	2.73	22 (37%)
14	CLA	b	826	-	69,73,73	2.23	21 (30%)	82,113,113	2.47	28 (34%)
14	CLA	b	813	2	69,73,73	2.18	22 (31%)	82,113,113	2.59	26 (31%)
14	CLA	l	205	-	69,73,73	2.24	23 (33%)	82,113,113	2.41	24 (29%)
14	CLA	a	829	1	69,73,73	2.22	22 (31%)	82,113,113	2.45	26 (31%)
14	CLA	A	833	1	54,58,73	2.55	22 (40%)	64,95,113	2.71	27 (42%)
14	CLA	A	836	-	69,73,73	2.21	22 (31%)	82,113,113	2.48	27 (32%)
14	CLA	a	818	-	69,73,73	2.25	23 (33%)	82,113,113	2.44	27 (32%)
14	CLA	a	807	1	69,73,73	2.21	22 (31%)	82,113,113	2.57	29 (35%)
14	CLA	a	806	-	54,58,73	2.53	22 (40%)	64,95,113	2.82	27 (42%)
14	CLA	b	816	2	59,63,73	2.42	23 (38%)	70,101,113	2.64	29 (41%)
14	CLA	a	837	1	49,53,73	2.54	22 (44%)	58,89,113	2.81	23 (39%)
16	BCR	l	202	-	41,41,41	2.57	6 (14%)	56,56,56	6.63	26 (46%)
14	CLA	A	839	1	69,73,73	2.24	23 (33%)	82,113,113	2.50	26 (31%)
14	CLA	G	831	1	69,73,73	2.22	23 (33%)	82,113,113	2.45	27 (32%)
14	CLA	G	816	-	54,58,73	2.53	24 (44%)	64,95,113	2.74	26 (40%)
16	BCR	G	847	-	41,41,41	2.66	6 (14%)	56,56,56	6.53	19 (33%)
14	CLA	B	823	2	49,53,73	2.57	22 (44%)	58,89,113	2.93	25 (43%)
14	CLA	j	1303	-	41,45,73	2.64	21 (51%)	50,78,113	2.81	20 (40%)
14	CLA	L	206	-	69,73,73	2.24	23 (33%)	82,113,113	2.43	25 (30%)
14	CLA	B	814	-	49,53,73	2.55	22 (44%)	58,89,113	2.79	23 (39%)
16	BCR	B	852	-	41,41,41	2.64	6 (14%)	56,56,56	6.55	24 (42%)
14	CLA	B	829	2	69,73,73	2.23	22 (31%)	82,113,113	2.48	27 (32%)
14	CLA	G	805	1	69,73,73	2.23	22 (31%)	82,113,113	2.54	26 (31%)
14	CLA	G	820	-	69,73,73	2.24	24 (34%)	82,113,113	2.44	25 (30%)
14	CLA	b	822	-	49,53,73	2.57	23 (46%)	58,89,113	2.76	24 (41%)
14	CLA	A	840	-	69,73,73	2.21	22 (31%)	82,113,113	2.43	27 (32%)
14	CLA	A	828	-	69,73,73	2.22	21 (30%)	82,113,113	2.45	25 (30%)
14	CLA	F	201	2	69,73,73	2.24	23 (33%)	82,113,113	2.45	30 (36%)
16	BCR	H	844	-	41,41,41	2.57	6 (14%)	56,56,56	6.70	20 (35%)
14	CLA	b	839	-	69,73,73	2.24	23 (33%)	82,113,113	2.48	28 (34%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	B	811	-	69,73,73	2.22	22 (31%)	82,113,113	2.60	26 (31%)
14	CLA	x	1701	12	49,53,73	2.54	23 (46%)	58,89,113	2.80	23 (39%)
14	CLA	A	832	-	69,73,73	2.22	22 (31%)	82,113,113	2.48	27 (32%)
17	LHG	G	849	-	48,48,48	0.93	2 (4%)	51,54,54	1.12	4 (7%)
16	BCR	m	1203	-	41,41,41	2.63	6 (14%)	56,56,56	6.73	27 (48%)
14	CLA	A	804	1	69,73,73	2.18	21 (30%)	82,113,113	2.51	29 (35%)
14	CLA	A	824	-	69,73,73	2.25	21 (30%)	82,113,113	2.23	27 (32%)
14	CLA	H	811	2	69,73,73	2.19	21 (30%)	82,113,113	2.64	27 (32%)
14	CLA	b	809	2	69,73,73	2.23	22 (31%)	82,113,113	2.40	28 (34%)
14	CLA	b	838	2	49,53,73	2.51	21 (42%)	58,89,113	2.84	25 (43%)
14	CLA	b	812	-	69,73,73	2.27	23 (33%)	82,113,113	2.53	28 (34%)
14	CLA	G	833	-	54,58,73	2.54	23 (42%)	64,95,113	2.76	28 (43%)
16	BCR	a	844	-	41,41,41	2.60	6 (14%)	56,56,56	6.70	22 (39%)
14	CLA	B	827	-	50,54,73	2.72	23 (46%)	59,90,113	2.75	25 (42%)
14	CLA	T	102	-	49,53,73	2.56	22 (44%)	58,89,113	2.82	26 (44%)
14	CLA	H	820	-	64,68,73	2.33	24 (37%)	76,107,113	2.61	27 (35%)
16	BCR	l	201	-	41,41,41	2.65	6 (14%)	56,56,56	6.57	23 (41%)
14	CLA	A	830	1	54,58,73	2.52	23 (42%)	64,95,113	2.78	26 (40%)
14	CLA	B	818	-	59,63,73	2.45	23 (38%)	70,101,113	2.67	26 (37%)
16	BCR	b	843	-	41,41,41	2.56	6 (14%)	56,56,56	6.70	23 (41%)
14	CLA	b	831	-	69,73,73	2.22	23 (33%)	82,113,113	2.51	27 (32%)
15	PQN	A	843	-	34,34,34	1.69	2 (5%)	43,45,45	1.67	7 (16%)
14	CLA	G	819	1	59,63,73	2.46	24 (40%)	70,101,113	2.70	27 (38%)
16	BCR	A	848	-	41,41,41	2.66	6 (14%)	56,56,56	6.53	19 (33%)
14	CLA	H	836	-	49,53,73	2.54	22 (44%)	58,89,113	2.76	25 (43%)
14	CLA	b	840	-	69,73,73	2.22	22 (31%)	82,113,113	2.52	29 (35%)
16	BCR	H	845	-	41,41,41	2.56	6 (14%)	56,56,56	6.69	23 (41%)
15	PQN	a	843	-	34,34,34	1.67	2 (5%)	43,45,45	1.15	2 (4%)
16	BCR	f	201	-	41,41,41	2.60	6 (14%)	56,56,56	6.48	25 (44%)
16	BCR	L	209	-	41,41,41	2.58	6 (14%)	56,56,56	6.62	26 (46%)
14	CLA	B	819	2	59,63,73	2.42	23 (38%)	70,101,113	2.65	29 (41%)
14	CLA	A	810	14	69,73,73	2.22	22 (31%)	82,113,113	2.54	26 (31%)
14	CLA	G	803	14	59,63,73	2.40	23 (38%)	70,101,113	2.70	31 (44%)
16	BCR	A	849	-	41,41,41	2.66	6 (14%)	56,56,56	7.04	24 (42%)
16	BCR	G	846	-	41,41,41	2.62	6 (14%)	56,56,56	6.72	28 (50%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	840	2	49,53,73	2.52	21 (42%)	58,89,113	2.85	26 (44%)
14	CLA	G	812	-	64,68,73	2.26	24 (37%)	76,107,113	2.73	28 (36%)
14	CLA	H	813	-	49,53,73	2.53	22 (44%)	58,89,113	2.81	25 (43%)
14	CLA	B	832	2	49,53,73	2.57	18 (36%)	58,89,113	2.75	27 (46%)
14	CLA	W	1701	12	49,53,73	2.54	23 (46%)	58,89,113	2.80	23 (39%)
14	CLA	A	835	-	54,58,73	2.52	22 (40%)	64,95,113	2.73	25 (39%)
14	CLA	L	205	10	69,73,73	2.22	23 (33%)	82,113,113	2.50	27 (32%)
14	CLA	U	201	-	69,73,73	2.20	22 (31%)	82,113,113	2.51	27 (32%)
14	CLA	G	840	-	69,73,73	2.21	22 (31%)	82,113,113	2.41	27 (32%)
14	CLA	A	818	-	69,73,73	2.25	23 (33%)	82,113,113	2.44	29 (35%)
17	LHG	A	850	-	48,48,48	0.92	2 (4%)	51,54,54	1.12	4 (7%)
14	CLA	A	806	-	54,58,73	2.52	22 (40%)	64,95,113	2.79	26 (40%)
14	CLA	B	813	-	49,53,73	2.53	23 (46%)	58,89,113	2.81	24 (41%)
14	CLA	A	825	-	69,73,73	2.22	23 (33%)	82,113,113	2.50	27 (32%)
14	CLA	H	839	2	69,73,73	2.25	23 (33%)	82,113,113	2.49	26 (31%)
16	BCR	b	844	-	41,41,41	2.62	6 (14%)	56,56,56	6.61	23 (41%)
14	CLA	A	814	-	49,53,73	2.53	21 (42%)	58,89,113	2.84	26 (44%)
14	CLA	a	830	-	54,58,73	2.51	22 (40%)	64,95,113	2.85	26 (40%)
14	CLA	H	827	-	50,54,73	2.75	22 (44%)	59,90,113	2.77	26 (44%)
14	CLA	a	828	-	69,73,73	2.23	21 (30%)	82,113,113	2.43	25 (30%)
14	CLA	b	806	-	69,73,73	2.21	22 (31%)	82,113,113	2.46	25 (30%)
14	CLA	H	815	-	69,73,73	2.24	23 (33%)	82,113,113	2.54	30 (36%)
14	CLA	a	836	1	69,73,73	2.21	23 (33%)	82,113,113	2.48	27 (32%)
14	CLA	B	835	-	49,53,73	2.54	23 (46%)	58,89,113	2.70	22 (37%)
14	CLA	a	835	-	54,58,73	2.54	23 (42%)	64,95,113	2.73	24 (37%)
14	CLA	H	837	-	49,53,73	2.56	22 (44%)	58,89,113	2.80	26 (44%)
14	CLA	a	817	1	54,58,73	2.56	24 (44%)	64,95,113	2.99	31 (48%)
14	CLA	A	802	1	69,73,73	2.24	23 (33%)	82,113,113	2.52	26 (31%)
14	CLA	B	815	-	69,73,73	2.24	23 (33%)	82,113,113	2.53	28 (34%)
16	BCR	H	848	-	41,41,41	2.61	6 (14%)	56,56,56	6.63	24 (42%)
14	CLA	H	824	-	59,63,73	2.42	24 (40%)	70,101,113	2.66	26 (37%)
14	CLA	B	839	2	69,73,73	2.25	22 (31%)	82,113,113	2.49	28 (34%)
14	CLA	B	834	-	62,66,73	2.37	22 (35%)	73,104,113	2.58	31 (42%)
14	CLA	L	204	10	69,73,73	2.24	22 (31%)	82,113,113	2.48	28 (34%)
14	CLA	b	802	-	69,73,73	2.24	22 (31%)	82,113,113	2.47	29 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	BCR	j	1304	-	41,41,41	2.61	6 (14%)	56,56,56	6.60	23 (41%)
14	CLA	B	812	2	69,73,73	2.22	21 (30%)	82,113,113	2.39	28 (34%)
16	BCR	A	845	-	41,41,41	2.59	6 (14%)	56,56,56	6.59	24 (42%)
14	CLA	a	814	-	49,53,73	2.54	22 (44%)	58,89,113	2.82	25 (43%)
14	CLA	a	804	1	69,73,73	2.22	21 (30%)	82,113,113	2.52	26 (31%)
14	CLA	T	101	-	45,49,73	2.50	21 (46%)	54,83,113	2.74	22 (40%)
14	CLA	A	823	-	59,63,73	2.44	23 (38%)	70,101,113	2.64	27 (38%)
14	CLA	A	842	-	54,58,73	2.55	23 (42%)	64,95,113	2.75	29 (45%)
14	CLA	G	841	-	54,58,73	2.54	23 (42%)	64,95,113	2.73	28 (43%)
14	CLA	A	808	1	69,73,73	2.24	22 (31%)	82,113,113	2.46	27 (32%)
14	CLA	B	822	-	49,53,73	2.55	22 (44%)	58,89,113	2.75	24 (41%)
18	SF4	N	101	3	0,12,12	-	-	-		
14	CLA	a	810	14	69,73,73	2.22	22 (31%)	82,113,113	2.51	26 (31%)
15	PQN	H	843	-	34,34,34	1.50	2 (5%)	43,45,45	1.07	2 (4%)
14	CLA	a	826	1	69,73,73	2.23	22 (31%)	82,113,113	2.54	30 (36%)
14	CLA	R	101	-	69,73,73	2.19	22 (31%)	82,113,113	2.51	27 (32%)
14	CLA	a	853	-	69,73,73	2.19	21 (30%)	82,113,113	2.42	25 (30%)
14	CLA	J	1303	-	41,45,73	2.63	21 (51%)	50,78,113	2.83	20 (40%)
14	CLA	G	829	1	69,73,73	2.22	22 (31%)	82,113,113	2.49	27 (32%)
14	CLA	b	807	2	69,73,73	2.23	22 (31%)	82,113,113	2.50	27 (32%)
16	BCR	A	847	-	41,41,41	2.61	6 (14%)	56,56,56	6.73	28 (50%)
14	CLA	H	806	-	69,73,73	2.20	20 (28%)	82,113,113	2.44	26 (31%)
14	CLA	B	840	2	49,53,73	2.51	21 (42%)	58,89,113	2.85	26 (44%)
14	CLA	b	837	2	69,73,73	2.25	22 (31%)	82,113,113	2.51	29 (35%)
16	BCR	B	850	-	41,41,41	2.59	6 (14%)	56,56,56	6.84	20 (35%)
14	CLA	G	826	1	69,73,73	2.25	22 (31%)	82,113,113	2.55	30 (36%)
14	CLA	A	852	-	69,73,73	2.18	21 (30%)	82,113,113	2.56	28 (34%)
16	BCR	V	1602	-	41,41,41	2.61	6 (14%)	56,56,56	6.73	26 (46%)
16	BCR	a	849	-	41,41,41	2.67	6 (14%)	56,56,56	6.99	26 (46%)
14	CLA	b	824	-	50,54,73	2.71	23 (46%)	59,90,113	2.78	26 (44%)
14	CLA	A	838	-	54,58,73	2.53	23 (42%)	64,95,113	2.80	26 (40%)
14	CLA	b	828	2	69,73,73	2.24	23 (33%)	82,113,113	2.55	28 (34%)
14	CLA	k	101	-	45,49,73	2.50	21 (46%)	54,83,113	2.74	22 (40%)
14	CLA	a	852	-	69,73,73	2.21	21 (30%)	82,113,113	2.52	28 (34%)
14	CLA	a	834	-	49,53,73	2.54	22 (44%)	58,89,113	2.81	23 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	BCR	Q	203	-	41,41,41	2.59	6 (14%)	56,56,56	6.40	25 (44%)
14	CLA	G	809	1	49,53,73	2.52	21 (42%)	58,89,113	2.85	28 (48%)
14	CLA	A	821	-	49,53,73	2.50	22 (44%)	58,89,113	2.96	28 (48%)
14	CLA	B	816	2	69,73,73	2.23	20 (28%)	82,113,113	2.65	31 (37%)
14	CLA	B	831	-	69,73,73	2.24	23 (33%)	82,113,113	2.54	28 (34%)
14	CLA	H	802	-	69,73,73	2.22	21 (30%)	82,113,113	2.48	33 (40%)
14	CLA	H	829	-	69,73,73	2.25	22 (31%)	82,113,113	2.47	29 (35%)
14	CLA	b	817	-	64,68,73	2.33	24 (37%)	76,107,113	2.59	28 (36%)
16	BCR	B	847	-	41,41,41	2.52	6 (14%)	56,56,56	6.44	30 (53%)
14	CLA	b	833	-	49,53,73	2.53	23 (46%)	58,89,113	2.69	22 (37%)
14	CLA	b	836	-	64,68,73	2.32	22 (34%)	76,107,113	2.56	29 (38%)
14	CLA	A	816	-	54,58,73	2.53	24 (44%)	64,95,113	2.72	27 (42%)
14	CLA	A	841	-	45,49,73	2.49	20 (44%)	54,83,113	2.64	22 (40%)
14	CLA	a	825	-	69,73,73	2.22	23 (33%)	82,113,113	2.51	26 (31%)
14	CLA	S	101	8	49,53,73	2.59	23 (46%)	58,89,113	2.81	24 (41%)
14	CLA	a	833	1	54,58,73	2.54	22 (40%)	64,95,113	2.77	26 (40%)
16	BCR	B	845	-	41,41,41	2.57	6 (14%)	56,56,56	6.70	23 (41%)
14	CLA	H	818	2	59,63,73	2.45	23 (38%)	70,101,113	2.69	27 (38%)
14	CLA	A	827	1	69,73,73	2.27	24 (34%)	82,113,113	2.49	30 (36%)
15	PQN	G	842	-	34,34,34	1.64	2 (5%)	43,45,45	1.62	5 (11%)
14	CLA	B	826	-	58,62,73	2.44	22 (37%)	68,99,113	2.50	26 (38%)
14	CLA	a	803	1,14	59,63,73	2.41	22 (37%)	70,101,113	2.73	28 (40%)
16	BCR	H	850	-	41,41,41	2.63	6 (14%)	56,56,56	6.82	20 (35%)
14	CLA	G	851	-	69,73,73	2.20	21 (30%)	82,113,113	2.33	22 (26%)
14	CLA	B	809	-	69,73,73	2.20	22 (31%)	82,113,113	2.44	26 (31%)
14	CLA	H	817	2	49,53,73	2.51	22 (44%)	58,89,113	2.78	25 (43%)
14	CLA	H	823	2	49,53,73	2.55	22 (44%)	58,89,113	2.88	25 (43%)
14	CLA	A	815	1	49,53,73	2.56	23 (46%)	58,89,113	2.75	22 (37%)
14	CLA	A	819	-	59,63,73	2.44	23 (38%)	70,101,113	2.74	27 (38%)
14	CLA	j	1301	-	49,53,73	2.56	23 (46%)	58,89,113	2.60	24 (41%)
14	CLA	M	1601	-	49,53,73	2.57	22 (44%)	58,89,113	2.83	25 (43%)
14	CLA	H	814	-	49,53,73	2.57	23 (46%)	58,89,113	2.74	23 (39%)
14	CLA	B	837	-	49,53,73	2.55	22 (44%)	58,89,113	2.78	26 (44%)
14	CLA	b	804	-	69,73,73	2.22	21 (30%)	82,113,113	2.41	28 (34%)
16	BCR	B	844	-	41,41,41	2.58	6 (14%)	56,56,56	6.70	20 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	BCR	a	846	-	41,41,41	2.63	6 (14%)	56,56,56	6.49	23 (41%)
14	CLA	a	841	-	69,73,73	2.21	22 (31%)	82,113,113	2.43	27 (32%)
19	LMG	b	849	-	51,51,55	1.44	7 (13%)	59,59,63	1.10	2 (3%)
16	BCR	R	102	-	41,41,41	2.62	6 (14%)	56,56,56	6.71	22 (39%)
14	CLA	B	806	-	69,73,73	2.21	21 (30%)	82,113,113	2.33	26 (31%)
19	LMG	B	851	-	51,51,55	1.43	7 (13%)	59,59,63	1.05	2 (3%)
14	CLA	G	817	1	54,58,73	2.58	22 (40%)	64,95,113	2.87	29 (45%)
14	CLA	G	823	1	59,63,73	2.42	23 (38%)	70,101,113	2.63	26 (37%)
16	BCR	b	848	-	41,41,41	2.59	6 (14%)	56,56,56	6.86	20 (35%)
14	CLA	H	830	-	69,73,73	2.27	23 (33%)	82,113,113	2.43	27 (32%)
14	CLA	b	801	-	69,73,73	2.24	20 (28%)	82,113,113	2.10	22 (26%)
14	CLA	a	842	-	54,58,73	2.56	23 (42%)	64,95,113	2.75	30 (46%)
13	CL0	A	801	-	69,73,73	2.27	22 (31%)	82,113,113	2.40	27 (32%)
14	CLA	A	817	1	54,58,73	2.56	24 (44%)	64,95,113	2.92	29 (45%)
18	SF4	N	102	3	0,12,12	-	-	-		
14	CLA	k	102	-	49,53,73	2.57	23 (46%)	58,89,113	2.82	26 (44%)
16	BCR	j	1305	-	41,41,41	2.65	6 (14%)	56,56,56	6.79	20 (35%)
16	BCR	J	1305	-	41,41,41	2.70	6 (14%)	56,56,56	6.80	20 (35%)
14	CLA	b	820	2	49,53,73	2.55	22 (44%)	58,89,113	2.88	25 (43%)
16	BCR	U	202	-	41,41,41	2.66	6 (14%)	56,56,56	6.58	25 (44%)
16	BCR	S	104	-	41,41,41	2.67	6 (14%)	56,56,56	6.78	19 (33%)
14	CLA	A	829	-	69,73,73	2.22	21 (30%)	82,113,113	2.43	26 (31%)
14	CLA	G	832	1	69,73,73	2.23	22 (31%)	82,113,113	2.46	26 (31%)
16	BCR	J	1304	-	41,41,41	2.61	6 (14%)	56,56,56	6.60	23 (41%)
14	CLA	H	816	2	69,73,73	2.21	20 (28%)	82,113,113	2.61	26 (31%)
14	CLA	H	841	-	69,73,73	2.23	24 (34%)	82,113,113	2.47	26 (31%)
14	CLA	K	1401	-	49,53,73	2.56	22 (44%)	58,89,113	2.82	25 (43%)
16	BCR	G	843	-	41,41,41	2.59	6 (14%)	56,56,56	6.70	22 (39%)
14	CLA	A	811	-	54,58,73	2.53	22 (40%)	64,95,113	2.75	28 (43%)
16	BCR	B	846	-	41,41,41	2.62	6 (14%)	56,56,56	6.61	22 (39%)
16	BCR	U	203	-	41,41,41	2.58	6 (14%)	56,56,56	6.61	25 (44%)
14	CLA	a	815	1	49,53,73	2.56	22 (44%)	58,89,113	2.76	23 (39%)
14	CLA	X	1701	12	49,53,73	2.54	23 (46%)	58,89,113	2.81	23 (39%)
14	CLA	A	822	-	55,59,73	2.50	23 (41%)	64,96,113	2.85	27 (42%)
14	CLA	a	838	1	69,73,73	2.25	24 (34%)	82,113,113	2.48	28 (34%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	BCR	H	847	-	41,41,41	2.51	6 (14%)	56,56,56	6.36	31 (55%)
14	CLA	b	810	-	49,53,73	2.54	23 (46%)	58,89,113	2.79	26 (44%)
14	CLA	b	834	-	49,53,73	2.55	22 (44%)	58,89,113	2.76	25 (43%)
14	CLA	l	203	10	69,73,73	2.24	22 (31%)	82,113,113	2.49	28 (34%)
14	CLA	G	804	1	69,73,73	2.19	21 (30%)	82,113,113	2.49	26 (31%)
14	CLA	U	205	10	69,73,73	2.24	22 (31%)	82,113,113	2.48	26 (31%)
14	CLA	H	825	-	49,53,73	2.57	22 (44%)	58,89,113	2.84	25 (43%)
14	CLA	H	834	-	62,66,73	2.37	22 (35%)	73,104,113	2.56	31 (42%)
14	CLA	A	809	1	49,53,73	2.50	21 (42%)	58,89,113	2.85	25 (43%)
14	CLA	a	821	-	49,53,73	2.50	22 (44%)	58,89,113	2.96	28 (48%)
14	CLA	b	830	-	49,53,73	2.55	22 (44%)	58,89,113	2.73	25 (43%)
14	CLA	l	204	10	69,73,73	2.21	22 (31%)	82,113,113	2.51	26 (31%)
14	CLA	H	819	2	59,63,73	2.41	23 (38%)	70,101,113	2.66	29 (41%)
14	CLA	a	808	1	69,73,73	2.25	22 (31%)	82,113,113	2.50	27 (32%)
14	CLA	a	822	-	55,59,73	2.49	23 (41%)	64,96,113	2.83	26 (40%)
18	SF4	C	102	3	0,12,12	-	-	-		
16	BCR	a	847	-	41,41,41	2.60	6 (14%)	56,56,56	6.70	28 (50%)
14	CLA	H	807	2	54,58,73	2.54	23 (42%)	64,95,113	2.90	27 (42%)
14	CLA	b	835	-	49,53,73	2.55	22 (44%)	58,89,113	2.78	26 (44%)
14	CLA	B	824	-	59,63,73	2.43	24 (40%)	70,101,113	2.65	26 (37%)
14	CLA	G	835	-	54,58,73	2.52	22 (40%)	64,95,113	2.75	26 (40%)
18	SF4	a	854	1,2	0,12,12	-	-	-		
14	CLA	G	839	1	69,73,73	2.24	24 (34%)	82,113,113	2.50	28 (34%)
17	LHG	a	850	-	48,48,48	0.92	2 (4%)	51,54,54	1.11	4 (7%)
14	CLA	B	828	-	69,73,73	2.24	23 (33%)	82,113,113	2.51	27 (32%)
14	CLA	H	821	-	69,73,73	2.22	24 (34%)	82,113,113	2.37	27 (32%)
15	PQN	B	843	-	34,34,34	1.66	2 (5%)	43,45,45	1.03	2 (4%)
14	CLA	S	102	-	41,45,73	2.64	21 (51%)	50,78,113	2.81	20 (40%)
14	CLA	G	807	1	69,73,73	2.22	22 (31%)	82,113,113	2.55	31 (37%)
14	CLA	H	803	-	69,73,73	2.24	23 (33%)	82,113,113	2.44	27 (32%)
14	CLA	B	817	2	49,53,73	2.50	22 (44%)	58,89,113	2.81	25 (43%)
16	BCR	b	850	-	41,41,41	2.65	6 (14%)	56,56,56	6.54	25 (44%)
13	CL0	a	801	-	69,73,73	2.24	20 (28%)	82,113,113	2.38	25 (30%)
14	CLA	B	836	-	49,53,73	2.55	22 (44%)	58,89,113	2.76	25 (43%)
14	CLA	B	825	-	49,53,73	2.59	23 (46%)	58,89,113	2.92	26 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	804	-	69,73,73	2.25	24 (34%)	82,113,113	2.49	28 (34%)
14	CLA	A	826	1	69,73,73	2.16	22 (31%)	82,113,113	2.49	31 (37%)
14	CLA	B	810	2	69,73,73	2.23	22 (31%)	82,113,113	2.51	27 (32%)
14	CLA	b	803	1	69,73,73	2.25	24 (34%)	82,113,113	2.46	27 (32%)
14	CLA	b	814	2	49,53,73	2.50	22 (44%)	58,89,113	2.80	25 (43%)
14	CLA	G	814	-	49,53,73	2.52	22 (44%)	58,89,113	2.81	26 (44%)
14	CLA	G	806	-	54,58,73	2.54	23 (42%)	64,95,113	2.82	27 (42%)
17	LHG	A	851	-	26,26,48	1.27	2 (7%)	29,32,54	1.27	3 (10%)
18	SF4	C	101	3	0,12,12	-	-	-		
14	CLA	G	810	14	69,73,73	2.22	23 (33%)	82,113,113	2.58	27 (32%)
14	CLA	B	802	-	69,73,73	2.23	21 (30%)	82,113,113	2.45	30 (36%)
14	CLA	B	804	1	69,73,73	2.26	24 (34%)	82,113,113	2.49	29 (35%)
14	CLA	H	842	-	69,73,73	2.22	22 (31%)	82,113,113	2.45	30 (36%)
16	BCR	a	845	-	41,41,41	2.60	6 (14%)	56,56,56	6.59	25 (44%)
14	CLA	H	808	-	69,73,73	2.18	22 (31%)	82,113,113	2.47	26 (31%)
16	BCR	b	846	-	41,41,41	2.62	6 (14%)	56,56,56	6.63	23 (41%)
14	CLA	a	823	-	59,63,73	2.43	23 (38%)	70,101,113	2.66	27 (38%)
16	BCR	I	101	-	41,41,41	2.62	6 (14%)	56,56,56	6.70	22 (39%)
14	CLA	Q	202	-	49,53,73	2.54	22 (44%)	58,89,113	2.71	22 (37%)
14	CLA	G	813	1	49,53,73	2.53	23 (46%)	58,89,113	2.90	25 (43%)
14	CLA	m	1201	2	54,58,73	2.53	23 (42%)	64,95,113	2.85	25 (39%)
14	CLA	Q	201	2	69,73,73	2.31	23 (33%)	82,113,113	2.30	27 (32%)
14	CLA	H	810	2	69,73,73	2.23	22 (31%)	82,113,113	2.50	27 (32%)
16	BCR	A	846	-	41,41,41	2.61	6 (14%)	56,56,56	6.56	22 (39%)
14	CLA	a	811	-	54,58,73	2.54	22 (40%)	64,95,113	2.77	27 (42%)
14	CLA	H	801	-	69,73,73	2.29	23 (33%)	82,113,113	2.38	27 (32%)
14	CLA	b	832	2	62,66,73	2.37	22 (35%)	73,104,113	2.58	29 (39%)
14	CLA	G	811	-	54,58,73	2.53	22 (40%)	64,95,113	2.77	29 (45%)
14	CLA	b	821	-	59,63,73	2.44	24 (40%)	70,101,113	2.63	26 (37%)
16	BCR	b	847	-	41,41,41	2.67	6 (14%)	56,56,56	6.70	26 (46%)
14	CLA	B	820	-	64,68,73	2.33	24 (37%)	76,107,113	2.61	27 (35%)

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
16	BCR	a	848	-	-	9/29/63/63	0/2/2/2
14	CLA	b	805	-	-	15/39/115/115	-
14	CLA	H	828	-	-	12/39/115/115	-
16	BCR	b	842	-	-	11/29/63/63	0/2/2/2
14	CLA	G	837	1	-	3/15/91/115	-
14	CLA	b	827	-	-	18/39/115/115	-
14	CLA	H	822	-	-	10/15/91/115	-
14	CLA	G	827	1	-	15/39/115/115	-
14	CLA	J	1301	-	-	6/15/91/115	-
16	BCR	G	845	-	-	8/29/63/63	0/2/2/2
16	BCR	U	208	-	-	12/29/63/63	0/2/2/2
14	CLA	a	827	-	-	15/39/115/115	-
14	CLA	b	815	-	-	9/27/103/115	-
14	CLA	B	833	-	-	8/15/91/115	-
14	CLA	a	809	1	-	9/15/91/115	-
14	CLA	A	805	-	-	17/39/115/115	-
16	BCR	B	849	-	-	10/29/63/63	0/2/2/2
19	LMG	H	851	-	-	7/46/66/70	0/1/1/1
14	CLA	A	812	-	-	18/33/109/115	-
14	CLA	G	828	-	-	16/39/115/115	-
14	CLA	U	206	10	-	17/39/115/115	-
14	CLA	G	822	-	-	11/23/99/115	-
16	BCR	M	1602	-	-	7/29/63/63	0/2/2/2
14	CLA	a	816	-	-	5/21/97/115	-
14	CLA	B	803	-	-	15/39/115/115	-
14	CLA	B	807	2	-	8/21/97/115	-
14	CLA	G	836	-	-	16/39/115/115	-
16	BCR	G	848	-	-	15/29/63/63	0/2/2/2
16	BCR	H	852	-	-	10/29/63/63	0/2/2/2
14	CLA	A	831	1	-	13/39/115/115	-
14	CLA	a	819	-	-	12/27/103/115	-
14	CLA	b	819	-	-	10/15/91/115	-
18	SF4	c	102	3	-	-	0/6/5/5
16	BCR	F	202	-	-	4/29/63/63	0/2/2/2
14	CLA	H	826	2	-	13/26/102/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	B	848	-	-	4/29/63/63	0/2/2/2
16	BCR	H	846	-	-	13/29/63/63	0/2/2/2
14	CLA	b	808	-	-	14/39/115/115	-
14	CLA	b	829	2	-	10/15/91/115	-
14	CLA	V	1601	-	-	9/15/91/115	-
14	CLA	B	842	2	-	12/39/115/115	-
17	LHG	G	850	-	-	16/31/31/53	-
14	CLA	a	832	1	-	19/39/115/115	-
14	CLA	m	1202	-	-	9/15/91/115	-
14	CLA	b	811	2	-	6/15/91/115	-
14	CLA	L	201	-	-	14/39/115/115	-
18	SF4	c	101	3	-	-	0/6/5/5
14	CLA	G	815	1	-	5/15/91/115	-
16	BCR	A	844	-	-	9/29/63/63	0/2/2/2
17	LHG	a	851	-	-	15/31/31/53	-
14	CLA	G	838	-	-	5/21/97/115	-
14	CLA	a	813	-	-	7/15/91/115	-
14	CLA	U	207	-	-	11/39/115/115	-
16	BCR	G	844	-	-	12/29/63/63	0/2/2/2
14	CLA	A	820	-	-	14/39/115/115	-
14	CLA	B	805	-	-	16/39/115/115	-
14	CLA	B	801	-	-	13/39/115/115	-
14	CLA	G	808	1	-	9/39/115/115	-
14	CLA	G	821	-	-	10/15/91/115	-
14	CLA	A	834	-	-	7/15/91/115	-
14	CLA	H	812	2	-	18/39/115/115	-
14	CLA	b	825	-	-	11/39/115/115	-
16	BCR	l	206	-	-	12/29/63/63	0/2/2/2
14	CLA	a	824	-	-	18/39/115/115	-
14	CLA	A	807	1	-	20/39/115/115	-
14	CLA	H	833	-	-	8/15/91/115	-
16	BCR	H	849	-	-	10/29/63/63	0/2/2/2
14	CLA	G	824	-	-	18/39/115/115	-
13	CL0	G	801	-	-	10/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	818	-	-	10/39/115/115	-
14	CLA	A	837	1	-	3/15/91/115	-
14	CLA	a	839	-	-	4/21/97/115	-
14	CLA	H	809	2	-	15/39/115/115	-
14	CLA	H	838	2	-	15/33/109/115	-
14	CLA	G	834	-	-	5/15/91/115	-
14	CLA	B	830	2	-	18/39/115/115	-
14	CLA	B	821	-	-	12/39/115/115	-
14	CLA	A	803	1,14	-	9/27/103/115	-
14	CLA	G	825	-	-	14/39/115/115	-
14	CLA	a	812	-	-	17/33/109/115	-
14	CLA	H	831	-	-	11/39/115/115	-
14	CLA	B	838	-	-	18/33/109/115	-
14	CLA	b	823	-	-	13/26/102/115	-
14	CLA	j	1302	8	-	7/15/91/115	-
14	CLA	a	805	-	-	15/39/115/115	-
14	CLA	H	832	2	-	9/15/91/115	-
14	CLA	G	830	1	-	10/21/97/115	-
14	CLA	a	840	1	-	17/39/115/115	-
14	CLA	a	831	1	-	13/39/115/115	-
16	BCR	i	101	-	-	8/29/63/63	0/2/2/2
16	BCR	S	103	-	-	12/29/63/63	0/2/2/2
14	CLA	a	820	-	-	13/39/115/115	-
18	SF4	A	853	1,2	-	-	0/6/5/5
14	CLA	B	808	-	-	15/39/115/115	-
14	CLA	a	802	-	-	16/39/115/115	-
14	CLA	J	1302	8	-	8/15/91/115	-
14	CLA	H	805	-	-	15/39/115/115	-
14	CLA	G	818	-	-	13/39/115/115	-
14	CLA	G	802	1	-	16/39/115/115	-
16	BCR	b	845	-	-	9/29/63/63	0/2/2/2
14	CLA	B	841	-	-	12/39/115/115	-
14	CLA	A	813	-	-	7/15/91/115	-
16	BCR	L	207	-	-	12/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	L	202	-	-	13/29/63/63	0/2/2/2
15	PQN	b	841	-	-	5/23/43/43	0/2/2/2
18	SF4	G	852	1,2	-	-	0/6/5/5
14	CLA	H	835	-	-	6/15/91/115	-
14	CLA	b	826	-	-	18/39/115/115	-
14	CLA	b	813	2	-	13/39/115/115	-
14	CLA	l	205	-	-	11/39/115/115	-
14	CLA	a	829	1	-	12/39/115/115	-
14	CLA	A	833	1	-	4/21/97/115	-
14	CLA	A	836	-	-	17/39/115/115	-
14	CLA	a	818	-	-	13/39/115/115	-
14	CLA	a	807	1	-	20/39/115/115	-
14	CLA	a	806	-	-	9/21/97/115	-
14	CLA	b	816	2	-	12/27/103/115	-
14	CLA	a	837	1	-	3/15/91/115	-
16	BCR	l	202	-	-	4/29/63/63	0/2/2/2
14	CLA	A	839	1	-	18/39/115/115	-
14	CLA	G	831	1	-	13/39/115/115	-
14	CLA	G	816	-	-	4/21/97/115	-
16	BCR	G	847	-	-	10/29/63/63	0/2/2/2
14	CLA	B	823	2	-	7/15/91/115	-
14	CLA	j	1303	-	-	2/4/76/115	-
14	CLA	L	206	-	-	11/39/115/115	-
14	CLA	B	814	-	-	6/15/91/115	-
16	BCR	B	852	-	-	9/29/63/63	0/2/2/2
14	CLA	B	829	2	-	17/39/115/115	-
14	CLA	G	805	1	-	15/39/115/115	-
14	CLA	G	820	-	-	14/39/115/115	-
14	CLA	b	822	-	-	4/15/91/115	-
14	CLA	A	840	-	-	13/39/115/115	-
14	CLA	A	828	-	-	16/39/115/115	-
14	CLA	F	201	2	-	22/39/115/115	-
16	BCR	H	844	-	-	13/29/63/63	0/2/2/2
14	CLA	b	839	-	-	12/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B	811	-	-	13/39/115/115	-
14	CLA	x	1701	12	-	9/15/91/115	-
14	CLA	A	832	-	-	19/39/115/115	-
17	LHG	G	849	-	-	26/53/53/53	-
16	BCR	m	1203	-	-	7/29/63/63	0/2/2/2
14	CLA	A	804	1	-	19/39/115/115	-
14	CLA	A	824	-	-	18/39/115/115	-
14	CLA	H	811	2	-	13/39/115/115	-
14	CLA	b	809	2	-	17/39/115/115	-
14	CLA	b	838	2	-	7/15/91/115	-
14	CLA	b	812	-	-	22/39/115/115	-
14	CLA	G	833	-	-	4/21/97/115	-
16	BCR	a	844	-	-	9/29/63/63	0/2/2/2
14	CLA	B	827	-	-	4/17/93/115	-
14	CLA	T	102	-	-	7/15/91/115	-
14	CLA	H	820	-	-	10/33/109/115	-
16	BCR	l	201	-	-	13/29/63/63	0/2/2/2
14	CLA	A	830	1	-	10/21/97/115	-
14	CLA	B	818	-	-	10/27/103/115	-
16	BCR	b	843	-	-	8/29/63/63	0/2/2/2
14	CLA	b	831	-	-	20/39/115/115	-
15	PQN	A	843	-	-	5/23/43/43	0/2/2/2
14	CLA	G	819	1	-	13/27/103/115	-
16	BCR	A	848	-	-	8/29/63/63	0/2/2/2
14	CLA	H	836	-	-	5/15/91/115	-
14	CLA	b	840	-	-	12/39/115/115	-
16	BCR	H	845	-	-	8/29/63/63	0/2/2/2
15	PQN	a	843	-	-	5/23/43/43	0/2/2/2
16	BCR	f	201	-	-	4/29/63/63	0/2/2/2
16	BCR	L	209	-	-	4/29/63/63	0/2/2/2
14	CLA	B	819	2	-	13/27/103/115	-
14	CLA	A	810	14	-	12/39/115/115	-
14	CLA	G	803	14	-	8/27/103/115	-
16	BCR	A	849	-	-	15/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	G	846	-	-	8/29/63/63	0/2/2/2
14	CLA	H	840	2	-	5/15/91/115	-
14	CLA	G	812	-	-	18/33/109/115	-
14	CLA	H	813	-	-	5/15/91/115	-
14	CLA	B	832	2	-	10/15/91/115	-
14	CLA	W	1701	12	-	7/15/91/115	-
14	CLA	A	835	-	-	8/21/97/115	-
14	CLA	L	205	10	-	17/39/115/115	-
14	CLA	U	201	-	-	14/39/115/115	-
14	CLA	G	840	-	-	13/39/115/115	-
14	CLA	A	818	-	-	13/39/115/115	-
17	LHG	A	850	-	-	27/53/53/53	-
14	CLA	A	806	-	-	9/21/97/115	-
14	CLA	B	813	-	-	5/15/91/115	-
14	CLA	A	825	-	-	14/39/115/115	-
14	CLA	H	839	2	-	10/39/115/115	-
16	BCR	b	844	-	-	13/29/63/63	0/2/2/2
14	CLA	A	814	-	-	9/15/91/115	-
14	CLA	a	830	-	-	10/21/97/115	-
14	CLA	H	827	-	-	4/17/93/115	-
14	CLA	a	828	-	-	16/39/115/115	-
14	CLA	b	806	-	-	16/39/115/115	-
14	CLA	H	815	-	-	21/39/115/115	-
14	CLA	a	836	1	-	16/39/115/115	-
14	CLA	B	835	-	-	7/15/91/115	-
14	CLA	a	835	-	-	8/21/97/115	-
14	CLA	H	837	-	-	6/15/91/115	-
14	CLA	a	817	1	-	12/21/97/115	-
14	CLA	A	802	1	-	16/39/115/115	-
14	CLA	B	815	-	-	21/39/115/115	-
16	BCR	H	848	-	-	5/29/63/63	0/2/2/2
14	CLA	H	824	-	-	15/27/103/115	-
14	CLA	B	839	2	-	10/39/115/115	-
14	CLA	B	834	-	-	13/31/107/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L	204	10	-	12/39/115/115	-
14	CLA	b	802	-	-	12/39/115/115	-
16	BCR	j	1304	-	-	12/29/63/63	0/2/2/2
14	CLA	B	812	2	-	16/39/115/115	-
16	BCR	A	845	-	-	12/29/63/63	0/2/2/2
14	CLA	a	814	-	-	9/15/91/115	-
14	CLA	a	804	1	-	20/39/115/115	-
14	CLA	T	101	-	-	5/9/81/115	-
14	CLA	A	823	-	-	9/27/103/115	-
14	CLA	A	842	-	-	11/21/97/115	-
14	CLA	G	841	-	-	11/21/97/115	-
14	CLA	A	808	1	-	9/39/115/115	-
14	CLA	B	822	-	-	10/15/91/115	-
18	SF4	N	101	3	-	-	0/6/5/5
14	CLA	a	810	14	-	11/39/115/115	-
15	PQN	H	843	-	-	6/23/43/43	0/2/2/2
14	CLA	a	826	1	-	12/39/115/115	-
14	CLA	R	101	-	-	15/39/115/115	-
14	CLA	a	853	-	-	13/39/115/115	-
14	CLA	J	1303	-	-	2/4/76/115	-
14	CLA	G	829	1	-	11/39/115/115	-
14	CLA	b	807	2	-	11/39/115/115	-
16	BCR	A	847	-	-	8/29/63/63	0/2/2/2
14	CLA	H	806	-	-	16/39/115/115	-
14	CLA	B	840	2	-	7/15/91/115	-
14	CLA	b	837	2	-	11/39/115/115	-
16	BCR	B	850	-	-	7/29/63/63	0/2/2/2
14	CLA	G	826	1	-	12/39/115/115	-
14	CLA	A	852	-	-	15/39/115/115	-
16	BCR	V	1602	-	-	7/29/63/63	0/2/2/2
16	BCR	a	849	-	-	15/29/63/63	0/2/2/2
14	CLA	b	824	-	-	4/17/93/115	-
14	CLA	A	838	-	-	4/21/97/115	-
14	CLA	b	828	2	-	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	k	101	-	-	5/9/81/115	-
14	CLA	a	852	-	-	16/39/115/115	-
14	CLA	a	834	-	-	7/15/91/115	-
16	BCR	Q	203	-	-	3/29/63/63	0/2/2/2
14	CLA	G	809	1	-	9/15/91/115	-
14	CLA	A	821	-	-	10/15/91/115	-
14	CLA	B	816	2	-	17/39/115/115	-
14	CLA	B	831	-	-	10/39/115/115	-
14	CLA	H	802	-	-	12/39/115/115	-
14	CLA	H	829	-	-	17/39/115/115	-
14	CLA	b	817	-	-	11/33/109/115	-
16	BCR	B	847	-	-	7/29/63/63	0/2/2/2
14	CLA	b	833	-	-	7/15/91/115	-
14	CLA	b	836	-	-	17/33/109/115	-
14	CLA	A	816	-	-	4/21/97/115	-
14	CLA	A	841	-	-	5/9/81/115	-
14	CLA	a	825	-	-	14/39/115/115	-
14	CLA	S	101	8	-	5/15/91/115	-
14	CLA	a	833	1	-	4/21/97/115	-
16	BCR	B	845	-	-	8/29/63/63	0/2/2/2
14	CLA	H	818	2	-	8/27/103/115	-
14	CLA	A	827	1	-	16/39/115/115	-
15	PQN	G	842	-	-	5/23/43/43	0/2/2/2
14	CLA	B	826	-	-	13/26/102/115	-
14	CLA	a	803	1,14	-	11/27/103/115	-
16	BCR	H	850	-	-	8/29/63/63	0/2/2/2
14	CLA	G	851	-	-	13/39/115/115	-
14	CLA	B	809	-	-	15/39/115/115	-
14	CLA	H	817	2	-	8/15/91/115	-
14	CLA	H	823	2	-	7/15/91/115	-
14	CLA	A	815	1	-	5/15/91/115	-
14	CLA	A	819	-	-	12/27/103/115	-
14	CLA	j	1301	-	-	6/15/91/115	-
14	CLA	M	1601	-	-	9/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	814	-	-	6/15/91/115	-
14	CLA	B	837	-	-	6/15/91/115	-
14	CLA	b	804	-	-	15/39/115/115	-
16	BCR	B	844	-	-	10/29/63/63	0/2/2/2
16	BCR	a	846	-	-	7/29/63/63	0/2/2/2
14	CLA	a	841	-	-	13/39/115/115	-
19	LMG	b	849	-	-	8/46/66/70	0/1/1/1
16	BCR	R	102	-	-	8/29/63/63	0/2/2/2
14	CLA	B	806	-	-	13/39/115/115	-
19	LMG	B	851	-	-	10/46/66/70	0/1/1/1
14	CLA	G	817	1	-	12/21/97/115	-
14	CLA	G	823	1	-	9/27/103/115	-
16	BCR	b	848	-	-	8/29/63/63	0/2/2/2
14	CLA	H	830	-	-	18/39/115/115	-
14	CLA	b	801	-	-	13/39/115/115	-
14	CLA	a	842	-	-	10/21/97/115	-
13	CL0	A	801	-	-	10/39/115/115	-
14	CLA	A	817	1	-	11/21/97/115	-
18	SF4	N	102	3	-	-	0/6/5/5
14	CLA	k	102	-	-	7/15/91/115	-
16	BCR	j	1305	-	-	12/29/63/63	0/2/2/2
16	BCR	J	1305	-	-	12/29/63/63	0/2/2/2
14	CLA	b	820	2	-	7/15/91/115	-
16	BCR	U	202	-	-	13/29/63/63	0/2/2/2
16	BCR	S	104	-	-	12/29/63/63	0/2/2/2
14	CLA	A	829	-	-	12/39/115/115	-
14	CLA	G	832	1	-	19/39/115/115	-
16	BCR	J	1304	-	-	12/29/63/63	0/2/2/2
14	CLA	H	816	2	-	14/39/115/115	-
14	CLA	H	841	-	-	12/39/115/115	-
14	CLA	K	1401	-	-	7/15/91/115	-
16	BCR	G	843	-	-	9/29/63/63	0/2/2/2
14	CLA	A	811	-	-	11/21/97/115	-
16	BCR	B	846	-	-	13/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	U	203	-	-	3/29/63/63	0/2/2/2
14	CLA	a	815	1	-	6/15/91/115	-
14	CLA	X	1701	12	-	7/15/91/115	-
14	CLA	A	822	-	-	11/23/99/115	-
14	CLA	a	838	1	-	10/39/115/115	-
16	BCR	H	847	-	-	13/29/63/63	0/2/2/2
14	CLA	b	810	-	-	5/15/91/115	-
14	CLA	b	834	-	-	5/15/91/115	-
14	CLA	l	203	10	-	12/39/115/115	-
14	CLA	G	804	1	-	21/39/115/115	-
14	CLA	U	205	10	-	12/39/115/115	-
14	CLA	H	825	-	-	3/15/91/115	-
14	CLA	H	834	-	-	13/31/107/115	-
14	CLA	A	809	1	-	9/15/91/115	-
14	CLA	a	821	-	-	10/15/91/115	-
14	CLA	b	830	-	-	8/15/91/115	-
14	CLA	l	204	10	-	17/39/115/115	-
14	CLA	H	819	2	-	13/27/103/115	-
14	CLA	a	808	1	-	9/39/115/115	-
14	CLA	a	822	-	-	11/23/99/115	-
18	SF4	C	102	3	-	-	0/6/5/5
16	BCR	a	847	-	-	7/29/63/63	0/2/2/2
14	CLA	H	807	2	-	7/21/97/115	-
14	CLA	b	835	-	-	6/15/91/115	-
14	CLA	B	824	-	-	15/27/103/115	-
14	CLA	G	835	-	-	8/21/97/115	-
18	SF4	a	854	1,2	-	-	0/6/5/5
14	CLA	G	839	1	-	20/39/115/115	-
17	LHG	a	850	-	-	26/53/53/53	-
14	CLA	B	828	-	-	12/39/115/115	-
14	CLA	H	821	-	-	12/39/115/115	-
15	PQN	B	843	-	-	6/23/43/43	0/2/2/2
14	CLA	S	102	-	-	2/4/76/115	-
14	CLA	G	807	1	-	20/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	803	-	-	13/39/115/115	-
14	CLA	B	817	2	-	7/15/91/115	-
16	BCR	b	850	-	-	6/29/63/63	0/2/2/2
13	CL0	a	801	-	-	13/39/115/115	-
14	CLA	B	836	-	-	5/15/91/115	-
14	CLA	B	825	-	-	3/15/91/115	-
14	CLA	H	804	-	-	10/39/115/115	-
14	CLA	A	826	1	-	14/39/115/115	-
14	CLA	B	810	2	-	11/39/115/115	-
14	CLA	b	803	1	-	14/39/115/115	-
14	CLA	b	814	2	-	7/15/91/115	-
14	CLA	G	814	-	-	9/15/91/115	-
14	CLA	G	806	-	-	9/21/97/115	-
17	LHG	A	851	-	-	16/31/31/53	-
18	SF4	C	101	3	-	-	0/6/5/5
14	CLA	G	810	14	-	12/39/115/115	-
14	CLA	B	802	-	-	13/39/115/115	-
14	CLA	B	804	1	-	8/39/115/115	-
14	CLA	H	842	-	-	13/39/115/115	-
16	BCR	a	845	-	-	12/29/63/63	0/2/2/2
14	CLA	H	808	-	-	15/39/115/115	-
16	BCR	b	846	-	-	5/29/63/63	0/2/2/2
14	CLA	a	823	-	-	9/27/103/115	-
16	BCR	I	101	-	-	7/29/63/63	0/2/2/2
14	CLA	Q	202	-	-	6/15/91/115	-
14	CLA	G	813	1	-	7/15/91/115	-
14	CLA	m	1201	2	-	9/21/97/115	-
14	CLA	Q	201	2	-	20/39/115/115	-
14	CLA	H	810	2	-	11/39/115/115	-
16	BCR	A	846	-	-	8/29/63/63	0/2/2/2
14	CLA	a	811	-	-	11/21/97/115	-
14	CLA	H	801	-	-	11/39/115/115	-
14	CLA	b	832	2	-	13/31/107/115	-
14	CLA	G	811	-	-	11/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	821	-	-	15/27/103/115	-
16	BCR	b	847	-	-	11/29/63/63	0/2/2/2
14	CLA	B	820	-	-	11/33/109/115	-

All (6875) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	848	BCR	C8-C9	-8.66	1.27	1.46
16	B	849	BCR	C8-C9	-8.61	1.27	1.46
16	a	849	BCR	C8-C9	-8.60	1.27	1.46
16	J	1305	BCR	C8-C9	-8.59	1.27	1.46
16	A	849	BCR	C8-C9	-8.56	1.27	1.46
16	m	1203	BCR	C8-C9	-8.45	1.27	1.46
16	M	1602	BCR	C8-C9	-8.43	1.27	1.46
16	H	849	BCR	C8-C9	-8.43	1.27	1.46
16	b	847	BCR	C8-C9	-8.41	1.28	1.46
16	V	1602	BCR	C8-C9	-8.38	1.28	1.46
15	A	843	PQN	C3-C2	8.35	1.50	1.35
16	U	202	BCR	C8-C9	-8.32	1.28	1.46
16	j	1305	BCR	C8-C9	-8.29	1.28	1.46
16	l	201	BCR	C8-C9	-8.29	1.28	1.46
16	S	104	BCR	C8-C9	-8.28	1.28	1.46
16	b	850	BCR	C8-C9	-8.27	1.28	1.46
16	L	202	BCR	C8-C9	-8.26	1.28	1.46
15	a	843	PQN	C3-C2	8.23	1.50	1.35
16	a	844	BCR	C8-C9	-8.21	1.28	1.46
16	I	101	BCR	C8-C9	-8.21	1.28	1.46
16	J	1305	BCR	C11-C10	-8.19	1.17	1.43
16	A	844	BCR	C8-C9	-8.19	1.28	1.46
16	i	101	BCR	C8-C9	-8.19	1.28	1.46
16	U	208	BCR	C8-C9	-8.18	1.28	1.46
16	l	206	BCR	C8-C9	-8.17	1.28	1.46
15	B	843	PQN	C3-C2	8.17	1.49	1.35
16	Q	203	BCR	C8-C9	-8.17	1.28	1.46
16	j	1304	BCR	C8-C9	-8.16	1.28	1.46
16	L	207	BCR	C8-C9	-8.16	1.28	1.46
16	G	847	BCR	C8-C9	-8.16	1.28	1.46
16	J	1304	BCR	C8-C9	-8.15	1.28	1.46
16	S	103	BCR	C8-C9	-8.15	1.28	1.46
14	H	826	CLA	OBD-CAD	-8.15	1.08	1.22
16	F	202	BCR	C8-C9	-8.14	1.28	1.46
16	B	844	BCR	C8-C9	-8.14	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	845	BCR	C8-C9	-8.13	1.28	1.46
16	B	852	BCR	C8-C9	-8.13	1.28	1.46
16	R	102	BCR	C8-C9	-8.13	1.28	1.46
16	H	844	BCR	C8-C9	-8.13	1.28	1.46
16	H	850	BCR	C8-C9	-8.13	1.28	1.46
16	A	845	BCR	C8-C9	-8.12	1.28	1.46
16	B	846	BCR	C8-C9	-8.12	1.28	1.46
16	a	848	BCR	C8-C9	-8.12	1.28	1.46
16	G	844	BCR	C8-C9	-8.12	1.28	1.46
16	H	852	BCR	C8-C9	-8.12	1.28	1.46
16	S	104	BCR	C11-C10	-8.12	1.18	1.43
16	G	843	BCR	C8-C9	-8.12	1.28	1.46
16	b	844	BCR	C8-C9	-8.11	1.28	1.46
16	f	201	BCR	C8-C9	-8.11	1.28	1.46
16	G	846	BCR	C8-C9	-8.11	1.28	1.46
16	U	202	BCR	C11-C10	-8.10	1.18	1.43
16	b	842	BCR	C8-C9	-8.10	1.28	1.46
16	A	848	BCR	C11-C10	-8.10	1.18	1.43
16	A	848	BCR	C8-C9	-8.10	1.28	1.46
16	G	847	BCR	C11-C10	-8.09	1.18	1.43
16	b	850	BCR	C11-C10	-8.08	1.18	1.43
16	l	201	BCR	C11-C10	-8.08	1.18	1.43
16	A	847	BCR	C8-C9	-8.08	1.28	1.46
16	H	846	BCR	C8-C9	-8.08	1.28	1.46
16	a	848	BCR	C11-C10	-8.08	1.18	1.43
16	a	847	BCR	C8-C9	-8.08	1.28	1.46
16	j	1305	BCR	C11-C10	-8.07	1.18	1.43
16	b	847	BCR	C11-C10	-8.07	1.18	1.43
16	H	850	BCR	C11-C10	-8.07	1.18	1.43
16	L	202	BCR	C11-C10	-8.06	1.18	1.43
16	f	201	BCR	C11-C10	-8.05	1.18	1.43
16	H	849	BCR	C11-C10	-8.05	1.18	1.43
16	a	846	BCR	C8-C9	-8.05	1.28	1.46
16	b	846	BCR	C8-C9	-8.04	1.28	1.46
16	B	849	BCR	C11-C10	-8.04	1.18	1.43
16	B	848	BCR	C8-C9	-8.03	1.28	1.46
16	H	848	BCR	C8-C9	-8.03	1.28	1.46
16	J	1304	BCR	C11-C10	-8.02	1.18	1.43
16	B	846	BCR	C11-C10	-8.02	1.18	1.43
14	Q	201	CLA	MG-NA	8.02	2.25	2.06
16	a	846	BCR	C11-C10	-8.02	1.18	1.43
16	a	849	BCR	C11-C10	-8.02	1.18	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	845	BCR	C11-C10	-8.02	1.18	1.43
16	S	103	BCR	C11-C10	-8.01	1.18	1.43
16	G	848	BCR	C11-C10	-8.01	1.18	1.43
16	H	846	BCR	C11-C10	-8.01	1.18	1.43
16	G	846	BCR	C11-C10	-8.01	1.18	1.43
16	A	849	BCR	C11-C10	-8.01	1.18	1.43
16	A	846	BCR	C11-C10	-8.00	1.18	1.43
16	j	1304	BCR	C11-C10	-8.00	1.18	1.43
16	b	846	BCR	C11-C10	-8.00	1.18	1.43
16	b	844	BCR	C11-C10	-8.00	1.18	1.43
16	H	848	BCR	C11-C10	-8.00	1.18	1.43
16	A	846	BCR	C8-C9	-8.00	1.28	1.46
16	L	209	BCR	C8-C9	-7.99	1.28	1.46
16	A	847	BCR	C11-C10	-7.99	1.18	1.43
16	A	844	BCR	C11-C10	-7.98	1.18	1.43
16	B	848	BCR	C11-C10	-7.98	1.18	1.43
16	G	845	BCR	C8-C9	-7.98	1.28	1.46
16	M	1602	BCR	C11-C10	-7.97	1.18	1.43
16	U	203	BCR	C8-C9	-7.97	1.28	1.46
16	l	202	BCR	C8-C9	-7.96	1.28	1.46
16	m	1203	BCR	C11-C10	-7.96	1.18	1.43
16	I	101	BCR	C11-C10	-7.96	1.18	1.43
14	B	819	CLA	MG-NA	7.96	2.25	2.06
16	i	101	BCR	C11-C10	-7.95	1.18	1.43
16	A	845	BCR	C11-C10	-7.95	1.18	1.43
14	H	826	CLA	MG-NA	7.95	2.25	2.06
16	a	847	BCR	C11-C10	-7.95	1.18	1.43
16	B	852	BCR	C11-C10	-7.95	1.18	1.43
16	R	102	BCR	C11-C10	-7.94	1.18	1.43
16	a	845	BCR	C11-C10	-7.94	1.18	1.43
16	F	202	BCR	C11-C10	-7.94	1.18	1.43
16	b	848	BCR	C11-C10	-7.94	1.18	1.43
16	G	844	BCR	C11-C10	-7.94	1.18	1.43
16	a	844	BCR	C11-C10	-7.94	1.18	1.43
16	B	850	BCR	C11-C10	-7.93	1.18	1.43
16	b	848	BCR	C8-C9	-7.93	1.29	1.46
16	B	850	BCR	C8-C9	-7.93	1.29	1.46
16	V	1602	BCR	C11-C10	-7.93	1.18	1.43
16	G	843	BCR	C11-C10	-7.92	1.18	1.43
14	b	816	CLA	MG-NA	7.90	2.25	2.06
16	Q	203	BCR	C11-C10	-7.90	1.18	1.43
16	U	208	BCR	C11-C10	-7.90	1.18	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	l	202	BCR	C11-C10	-7.89	1.18	1.43
16	H	845	BCR	C11-C10	-7.89	1.18	1.43
16	L	209	BCR	C11-C10	-7.89	1.18	1.43
16	l	206	BCR	C11-C10	-7.89	1.18	1.43
16	B	845	BCR	C11-C10	-7.89	1.18	1.43
16	B	844	BCR	C11-C10	-7.88	1.18	1.43
16	U	203	BCR	C11-C10	-7.88	1.18	1.43
16	H	852	BCR	C11-C10	-7.88	1.18	1.43
16	L	207	BCR	C11-C10	-7.88	1.18	1.43
16	b	843	BCR	C11-C10	-7.86	1.18	1.43
16	H	844	BCR	C11-C10	-7.84	1.18	1.43
14	B	801	CLA	MG-NA	7.82	2.24	2.06
16	B	845	BCR	C8-C9	-7.81	1.29	1.46
16	b	842	BCR	C11-C10	-7.81	1.19	1.43
14	S	101	CLA	MG-NA	7.79	2.24	2.06
14	H	822	CLA	MG-NA	7.77	2.24	2.06
14	G	815	CLA	MG-NA	7.77	2.24	2.06
14	H	819	CLA	MG-NA	7.76	2.24	2.06
16	H	845	BCR	C8-C9	-7.76	1.29	1.46
16	b	843	BCR	C8-C9	-7.76	1.29	1.46
16	B	847	BCR	C11-C10	-7.76	1.19	1.43
14	j	1302	CLA	MG-NA	7.74	2.24	2.06
14	J	1302	CLA	MG-NA	7.73	2.24	2.06
14	A	824	CLA	MG-NA	7.73	2.24	2.06
15	G	842	PQN	C3-C2	7.72	1.49	1.35
14	b	819	CLA	MG-NA	7.72	2.24	2.06
15	b	841	PQN	C3-C2	7.71	1.49	1.35
14	B	816	CLA	MG-NA	7.71	2.24	2.06
14	A	827	CLA	MG-NA	7.70	2.24	2.06
14	M	1601	CLA	MG-NA	7.70	2.24	2.06
14	m	1202	CLA	MG-NA	7.69	2.24	2.06
14	B	836	CLA	MG-NA	7.68	2.24	2.06
14	V	1601	CLA	MG-NA	7.68	2.24	2.06
14	G	817	CLA	MG-NA	7.68	2.24	2.06
14	G	819	CLA	MG-NA	7.67	2.24	2.06
14	k	102	CLA	MG-NA	7.66	2.24	2.06
14	B	822	CLA	MG-NA	7.66	2.24	2.06
14	H	836	CLA	MG-NA	7.66	2.24	2.06
14	b	812	CLA	MG-NA	7.65	2.24	2.06
14	l	203	CLA	MG-NA	7.64	2.24	2.06
14	H	816	CLA	MG-NA	7.64	2.24	2.06
14	A	815	CLA	MG-NA	7.64	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	205	CLA	MG-NA	7.64	2.24	2.06
14	K	1401	CLA	MG-NA	7.64	2.24	2.06
14	T	102	CLA	MG-NA	7.63	2.24	2.06
14	H	837	CLA	MG-NA	7.63	2.24	2.06
14	H	823	CLA	MG-NA	7.63	2.24	2.06
14	F	201	CLA	MG-NA	7.63	2.24	2.06
14	b	835	CLA	MG-NA	7.62	2.24	2.06
14	G	808	CLA	MG-NA	7.62	2.24	2.06
14	b	834	CLA	MG-NA	7.62	2.24	2.06
14	L	204	CLA	MG-NA	7.62	2.24	2.06
14	a	830	CLA	MG-NA	7.62	2.24	2.06
14	b	820	CLA	MG-NA	7.62	2.24	2.06
14	b	815	CLA	MG-NA	7.62	2.24	2.06
14	S	102	CLA	MG-NA	7.62	2.24	2.06
14	a	842	CLA	MG-NA	7.62	2.24	2.06
14	A	842	CLA	MG-NA	7.62	2.24	2.06
14	a	824	CLA	MG-NA	7.61	2.24	2.06
14	G	824	CLA	MG-NA	7.61	2.24	2.06
14	A	836	CLA	MG-NA	7.60	2.24	2.06
14	A	817	CLA	MG-NA	7.60	2.24	2.06
14	a	817	CLA	MG-NA	7.60	2.24	2.06
14	j	1303	CLA	MG-NA	7.60	2.24	2.06
14	B	823	CLA	MG-NA	7.60	2.24	2.06
14	J	1301	CLA	MG-NA	7.60	2.24	2.06
14	A	830	CLA	MG-NA	7.60	2.24	2.06
14	B	837	CLA	MG-NA	7.59	2.24	2.06
14	B	838	CLA	MG-NA	7.59	2.24	2.06
14	B	832	CLA	MG-NA	7.59	2.24	2.06
14	b	836	CLA	MG-NA	7.59	2.24	2.06
14	H	818	CLA	MG-NA	7.59	2.24	2.06
14	a	815	CLA	MG-NA	7.59	2.24	2.06
14	B	818	CLA	MG-NA	7.59	2.24	2.06
14	H	842	CLA	MG-NA	7.59	2.24	2.06
14	Q	202	CLA	MG-NA	7.58	2.24	2.06
14	a	838	CLA	MG-NA	7.58	2.24	2.06
14	b	827	CLA	MG-NA	7.58	2.24	2.06
14	b	839	CLA	MG-NA	7.58	2.24	2.06
14	a	819	CLA	MG-NA	7.58	2.24	2.06
14	B	803	CLA	MG-NA	7.58	2.24	2.06
14	J	1303	CLA	MG-NA	7.57	2.24	2.06
14	B	842	CLA	MG-NA	7.57	2.24	2.06
14	b	829	CLA	MG-NA	7.57	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	841	CLA	MG-NA	7.57	2.24	2.06
14	G	834	CLA	MG-NA	7.57	2.24	2.06
14	A	834	CLA	MG-NA	7.57	2.24	2.06
14	A	819	CLA	MG-NA	7.57	2.24	2.06
14	a	814	CLA	MG-NA	7.57	2.24	2.06
14	T	101	CLA	MG-NA	7.56	2.24	2.06
14	A	808	CLA	MG-NA	7.56	2.24	2.06
14	j	1301	CLA	MG-NA	7.56	2.24	2.06
14	A	814	CLA	MG-NA	7.56	2.24	2.06
14	a	836	CLA	MG-NA	7.56	2.24	2.06
14	B	826	CLA	MG-NA	7.56	2.24	2.06
16	H	847	BCR	C11-C10	-7.56	1.19	1.43
14	G	830	CLA	MG-NA	7.55	2.24	2.06
14	a	835	CLA	MG-NA	7.55	2.24	2.06
14	a	828	CLA	MG-NA	7.55	2.24	2.06
14	B	841	CLA	MG-NA	7.55	2.24	2.06
14	a	823	CLA	MG-NA	7.55	2.24	2.06
14	a	808	CLA	MG-NA	7.55	2.24	2.06
14	b	840	CLA	MG-NA	7.55	2.24	2.06
14	G	822	CLA	MG-NA	7.55	2.24	2.06
14	G	836	CLA	MG-NA	7.55	2.24	2.06
14	a	802	CLA	MG-NA	7.55	2.24	2.06
14	H	830	CLA	MG-NA	7.55	2.24	2.06
14	H	815	CLA	MG-NA	7.55	2.24	2.06
14	a	834	CLA	MG-NA	7.54	2.24	2.06
14	A	802	CLA	MG-NA	7.54	2.24	2.06
14	A	813	CLA	MG-NA	7.54	2.24	2.06
14	G	839	CLA	MG-NA	7.54	2.24	2.06
14	W	1701	CLA	MG-NA	7.54	2.24	2.06
14	a	827	CLA	MG-NA	7.54	2.24	2.06
14	G	841	CLA	MG-NA	7.54	2.24	2.06
14	A	839	CLA	MG-NA	7.53	2.24	2.06
14	B	815	CLA	MG-NA	7.53	2.24	2.06
14	G	818	CLA	MG-NA	7.53	2.24	2.06
14	a	821	CLA	MG-NA	7.53	2.24	2.06
14	a	804	CLA	MG-NA	7.53	2.24	2.06
14	G	802	CLA	MG-NA	7.52	2.24	2.06
14	B	830	CLA	MG-NA	7.52	2.24	2.06
14	H	827	CLA	MG-NA	7.52	2.24	2.06
14	x	1701	CLA	MG-NA	7.52	2.24	2.06
14	G	826	CLA	MG-NA	7.52	2.24	2.06
14	a	822	CLA	MG-NA	7.52	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	838	CLA	MG-NA	7.52	2.24	2.06
14	b	801	CLA	MG-NA	7.52	2.24	2.06
14	G	835	CLA	MG-NA	7.52	2.24	2.06
14	k	101	CLA	MG-NA	7.52	2.24	2.06
14	A	841	CLA	MG-NA	7.51	2.24	2.06
14	B	828	CLA	MG-NA	7.51	2.24	2.06
14	a	837	CLA	MG-NA	7.51	2.24	2.06
14	a	805	CLA	MG-NA	7.51	2.24	2.06
14	a	818	CLA	MG-NA	7.51	2.24	2.06
16	G	848	BCR	C20-C21	-7.51	1.19	1.43
14	a	840	CLA	MG-NA	7.51	2.24	2.06
14	b	803	CLA	MG-NA	7.51	2.24	2.06
14	A	818	CLA	MG-NA	7.50	2.24	2.06
14	A	805	CLA	MG-NA	7.50	2.24	2.06
14	A	823	CLA	MG-NA	7.50	2.24	2.06
14	A	828	CLA	MG-NA	7.50	2.24	2.06
14	b	823	CLA	MG-NA	7.50	2.24	2.06
14	b	809	CLA	MG-NA	7.50	2.24	2.06
14	G	814	CLA	MG-NA	7.50	2.24	2.06
14	a	813	CLA	MG-NA	7.50	2.24	2.06
14	A	838	CLA	MG-NA	7.50	2.24	2.06
14	B	820	CLA	MG-NA	7.50	2.24	2.06
14	X	1701	CLA	MG-NA	7.50	2.24	2.06
14	A	837	CLA	MG-NA	7.50	2.24	2.06
14	G	823	CLA	MG-NA	7.50	2.24	2.06
14	H	829	CLA	MG-NA	7.50	2.24	2.06
14	H	814	CLA	MG-NA	7.49	2.24	2.06
14	H	840	CLA	MG-NA	7.49	2.24	2.06
14	H	834	CLA	MG-NA	7.49	2.24	2.06
14	G	805	CLA	MG-NA	7.49	2.24	2.06
14	H	820	CLA	MG-NA	7.49	2.24	2.06
16	H	852	BCR	C20-C21	-7.49	1.20	1.43
14	B	840	CLA	MG-NA	7.49	2.24	2.06
14	B	804	CLA	MG-NA	7.48	2.24	2.06
14	H	803	CLA	MG-NA	7.48	2.24	2.06
14	b	825	CLA	MG-NA	7.48	2.24	2.06
14	A	822	CLA	MG-NA	7.48	2.24	2.06
14	G	840	CLA	MG-NA	7.48	2.24	2.06
14	H	828	CLA	MG-NA	7.48	2.24	2.06
14	A	840	CLA	MG-NA	7.48	2.24	2.06
14	G	827	CLA	MG-NA	7.48	2.24	2.06
14	a	803	CLA	MG-NA	7.48	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	821	CLA	MG-NA	7.48	2.24	2.06
14	G	813	CLA	MG-NA	7.48	2.24	2.06
14	G	821	CLA	MG-NA	7.48	2.24	2.06
14	a	841	CLA	MG-NA	7.47	2.24	2.06
14	b	838	CLA	MG-NA	7.47	2.24	2.06
14	G	837	CLA	MG-NA	7.46	2.24	2.06
14	B	834	CLA	MG-NA	7.46	2.24	2.06
14	b	811	CLA	MG-NA	7.46	2.24	2.06
14	b	810	CLA	MG-NA	7.46	2.24	2.06
14	H	812	CLA	MG-NA	7.46	2.24	2.06
14	b	817	CLA	MG-NA	7.46	2.24	2.06
14	H	804	CLA	MG-NA	7.46	2.24	2.06
14	B	813	CLA	MG-NA	7.46	2.24	2.06
14	A	806	CLA	MG-NA	7.46	2.24	2.06
14	a	839	CLA	MG-NA	7.46	2.24	2.06
14	b	830	CLA	MG-NA	7.46	2.24	2.06
16	a	849	BCR	C20-C21	-7.46	1.20	1.43
14	a	810	CLA	MG-NA	7.46	2.24	2.06
14	A	831	CLA	MG-NA	7.45	2.24	2.06
16	A	849	BCR	C20-C21	-7.45	1.20	1.43
14	A	835	CLA	MG-NA	7.45	2.24	2.06
14	b	832	CLA	MG-NA	7.45	2.24	2.06
14	G	838	CLA	MG-NA	7.45	2.24	2.06
14	H	832	CLA	MG-NA	7.45	2.24	2.06
14	a	809	CLA	MG-NA	7.45	2.24	2.06
14	B	812	CLA	MG-NA	7.45	2.24	2.06
14	G	806	CLA	MG-NA	7.45	2.24	2.06
14	H	813	CLA	MG-NA	7.45	2.24	2.06
16	J	1305	BCR	C20-C21	-7.45	1.20	1.43
16	a	846	BCR	C20-C21	-7.44	1.20	1.43
14	a	831	CLA	MG-NA	7.44	2.23	2.06
14	A	826	CLA	MG-NA	7.44	2.23	2.06
16	G	845	BCR	C20-C21	-7.43	1.20	1.43
14	G	809	CLA	MG-NA	7.43	2.23	2.06
14	B	833	CLA	MG-NA	7.43	2.23	2.06
14	G	828	CLA	MG-NA	7.43	2.23	2.06
14	B	802	CLA	MG-NA	7.43	2.23	2.06
14	a	826	CLA	MG-NA	7.43	2.23	2.06
14	G	831	CLA	MG-NA	7.43	2.23	2.06
16	G	847	BCR	C20-C21	-7.42	1.20	1.43
14	H	833	CLA	MG-NA	7.42	2.23	2.06
14	a	806	CLA	MG-NA	7.42	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	847	BCR	C20-C21	-7.42	1.20	1.43
16	b	845	BCR	C8-C9	-7.41	1.30	1.46
16	i	101	BCR	C20-C21	-7.41	1.20	1.43
14	A	816	CLA	MG-NA	7.41	2.23	2.06
14	B	827	CLA	MG-NA	7.41	2.23	2.06
16	J	1305	BCR	C16-C17	-7.41	1.20	1.43
14	G	807	CLA	MG-NA	7.41	2.23	2.06
14	G	810	CLA	MG-NA	7.41	2.23	2.06
16	B	850	BCR	C20-C21	-7.41	1.20	1.43
14	b	826	CLA	MG-NA	7.40	2.23	2.06
14	B	835	CLA	MG-NA	7.40	2.23	2.06
16	A	848	BCR	C20-C21	-7.40	1.20	1.43
14	U	207	CLA	MG-NA	7.40	2.23	2.06
14	b	802	CLA	MG-NA	7.40	2.23	2.06
14	A	807	CLA	MG-NA	7.40	2.23	2.06
16	H	850	BCR	C20-C21	-7.40	1.20	1.43
16	I	101	BCR	C20-C21	-7.39	1.20	1.43
16	A	846	BCR	C20-C21	-7.39	1.20	1.43
16	H	849	BCR	C20-C21	-7.39	1.20	1.43
16	S	104	BCR	C16-C17	-7.39	1.20	1.43
14	a	832	CLA	MG-NA	7.39	2.23	2.06
16	b	846	BCR	C20-C21	-7.39	1.20	1.43
14	b	833	CLA	MG-NA	7.39	2.23	2.06
14	b	837	CLA	MG-NA	7.39	2.23	2.06
14	H	817	CLA	MG-NA	7.39	2.23	2.06
14	b	824	CLA	MG-NA	7.38	2.23	2.06
16	B	852	BCR	C20-C21	-7.38	1.20	1.43
14	a	833	CLA	MG-NA	7.38	2.23	2.06
14	H	810	CLA	MG-NA	7.38	2.23	2.06
16	B	846	BCR	C20-C21	-7.38	1.20	1.43
14	H	802	CLA	MG-NA	7.38	2.23	2.06
14	A	833	CLA	MG-NA	7.38	2.23	2.06
14	A	829	CLA	MG-NA	7.38	2.23	2.06
16	R	102	BCR	C20-C21	-7.38	1.20	1.43
14	a	807	CLA	MG-NA	7.38	2.23	2.06
14	H	809	CLA	MG-NA	7.38	2.23	2.06
14	l	205	CLA	MG-NA	7.38	2.23	2.06
14	a	816	CLA	MG-NA	7.37	2.23	2.06
14	b	807	CLA	MG-NA	7.37	2.23	2.06
16	b	844	BCR	C20-C21	-7.37	1.20	1.43
14	A	810	CLA	MG-NA	7.37	2.23	2.06
16	B	847	BCR	C20-C21	-7.37	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	MG-NA	7.37	2.23	2.06
16	U	202	BCR	C20-C21	-7.37	1.20	1.43
14	B	839	CLA	MG-NA	7.37	2.23	2.06
14	b	806	CLA	MG-NA	7.37	2.23	2.06
13	G	801	CL0	MG-NA	7.37	2.23	2.06
16	H	846	BCR	C20-C21	-7.37	1.20	1.43
16	a	848	BCR	C20-C21	-7.37	1.20	1.43
14	b	831	CLA	MG-NA	7.37	2.23	2.06
14	a	820	CLA	MG-NA	7.36	2.23	2.06
16	l	201	BCR	C20-C21	-7.36	1.20	1.43
16	H	848	BCR	C20-C21	-7.36	1.20	1.43
16	b	847	BCR	C16-C17	-7.36	1.20	1.43
14	a	829	CLA	MG-NA	7.36	2.23	2.06
14	L	206	CLA	MG-NA	7.36	2.23	2.06
14	A	809	CLA	MG-NA	7.36	2.23	2.06
16	B	849	BCR	C20-C21	-7.36	1.20	1.43
14	G	833	CLA	MG-NA	7.36	2.23	2.06
16	S	104	BCR	C20-C21	-7.36	1.20	1.43
14	H	805	CLA	MG-NA	7.36	2.23	2.06
16	H	847	BCR	C20-C21	-7.36	1.20	1.43
14	A	803	CLA	MG-NA	7.36	2.23	2.06
16	B	848	BCR	C20-C21	-7.36	1.20	1.43
16	L	202	BCR	C20-C21	-7.36	1.20	1.43
16	G	848	BCR	C16-C17	-7.35	1.20	1.43
14	G	820	CLA	MG-NA	7.35	2.23	2.06
16	a	849	BCR	C16-C17	-7.35	1.20	1.43
14	a	811	CLA	MG-NA	7.35	2.23	2.06
14	G	816	CLA	MG-NA	7.35	2.23	2.06
13	A	801	CL0	MG-NA	7.35	2.23	2.06
14	G	812	CLA	MG-NA	7.35	2.23	2.06
16	R	102	BCR	C16-C17	-7.34	1.20	1.43
16	A	849	BCR	C16-C17	-7.34	1.20	1.43
16	b	845	BCR	C20-C21	-7.34	1.20	1.43
16	H	847	BCR	C8-C9	-7.34	1.30	1.46
16	j	1305	BCR	C20-C21	-7.34	1.20	1.43
16	M	1602	BCR	C20-C21	-7.34	1.20	1.43
13	a	801	CL0	MG-NA	7.34	2.23	2.06
16	m	1203	BCR	C20-C21	-7.33	1.20	1.43
16	A	848	BCR	C16-C17	-7.33	1.20	1.43
14	A	820	CLA	MG-NA	7.33	2.23	2.06
14	U	201	CLA	MG-NA	7.33	2.23	2.06
14	a	825	CLA	MG-NA	7.33	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	824	CLA	MG-NA	7.33	2.23	2.06
14	G	825	CLA	MG-NA	7.33	2.23	2.06
16	G	847	BCR	C16-C17	-7.33	1.20	1.43
16	b	848	BCR	C20-C21	-7.33	1.20	1.43
16	G	844	BCR	C20-C21	-7.33	1.20	1.43
14	B	817	CLA	MG-NA	7.33	2.23	2.06
14	b	814	CLA	MG-NA	7.32	2.23	2.06
14	A	811	CLA	MG-NA	7.32	2.23	2.06
14	A	825	CLA	MG-NA	7.32	2.23	2.06
14	H	825	CLA	MG-NA	7.32	2.23	2.06
14	G	829	CLA	MG-NA	7.32	2.23	2.06
16	j	1305	BCR	C16-C17	-7.32	1.20	1.43
16	H	852	BCR	C16-C17	-7.31	1.20	1.43
14	H	835	CLA	MG-NA	7.31	2.23	2.06
16	b	845	BCR	C16-C17	-7.31	1.20	1.43
16	a	848	BCR	C16-C17	-7.31	1.20	1.43
14	G	811	CLA	MG-NA	7.31	2.23	2.06
14	B	824	CLA	MG-NA	7.31	2.23	2.06
16	H	849	BCR	C16-C17	-7.31	1.20	1.43
16	L	202	BCR	C16-C17	-7.31	1.20	1.43
16	U	202	BCR	C16-C17	-7.30	1.20	1.43
14	G	803	CLA	MG-NA	7.30	2.23	2.06
14	B	810	CLA	MG-NA	7.30	2.23	2.06
16	b	844	BCR	C16-C17	-7.30	1.20	1.43
14	b	804	CLA	MG-NA	7.30	2.23	2.06
14	b	822	CLA	MG-NA	7.30	2.23	2.06
16	A	847	BCR	C20-C21	-7.30	1.20	1.43
16	a	845	BCR	C20-C21	-7.30	1.20	1.43
16	a	846	BCR	C16-C17	-7.30	1.20	1.43
14	A	832	CLA	MG-NA	7.30	2.23	2.06
14	b	805	CLA	MG-NA	7.29	2.23	2.06
16	l	201	BCR	C16-C17	-7.29	1.20	1.43
14	L	201	CLA	MG-NA	7.29	2.23	2.06
16	H	846	BCR	C16-C17	-7.29	1.20	1.43
16	V	1602	BCR	C20-C21	-7.29	1.20	1.43
16	H	848	BCR	C16-C17	-7.29	1.20	1.43
16	G	846	BCR	C20-C21	-7.28	1.20	1.43
16	a	847	BCR	C20-C21	-7.28	1.20	1.43
14	B	808	CLA	MG-NA	7.28	2.23	2.06
16	b	846	BCR	C16-C17	-7.28	1.20	1.43
16	B	849	BCR	C16-C17	-7.28	1.20	1.43
16	J	1304	BCR	C16-C17	-7.28	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	I	101	BCR	C16-C17	-7.28	1.20	1.43
16	B	847	BCR	C8-C9	-7.28	1.30	1.46
16	b	850	BCR	C20-C21	-7.28	1.20	1.43
16	G	845	BCR	C16-C17	-7.28	1.20	1.43
16	i	101	BCR	C16-C17	-7.28	1.20	1.43
14	H	808	CLA	MG-NA	7.27	2.23	2.06
16	B	845	BCR	C20-C21	-7.27	1.20	1.43
16	A	846	BCR	C16-C17	-7.27	1.20	1.43
16	U	208	BCR	C20-C21	-7.27	1.20	1.43
16	B	852	BCR	C16-C17	-7.26	1.20	1.43
16	G	846	BCR	C16-C17	-7.26	1.20	1.43
16	j	1304	BCR	C16-C17	-7.26	1.20	1.43
16	A	845	BCR	C20-C21	-7.26	1.20	1.43
16	B	847	BCR	C16-C17	-7.26	1.20	1.43
14	a	812	CLA	MG-NA	7.26	2.23	2.06
14	R	101	CLA	MG-NA	7.26	2.23	2.06
14	B	814	CLA	MG-NA	7.26	2.23	2.06
14	B	809	CLA	MG-NA	7.25	2.23	2.06
16	B	844	BCR	C20-C21	-7.25	1.20	1.43
16	H	847	BCR	C16-C17	-7.25	1.20	1.43
14	b	821	CLA	MG-NA	7.25	2.23	2.06
16	M	1602	BCR	C16-C17	-7.25	1.20	1.43
16	l	206	BCR	C20-C21	-7.25	1.20	1.43
14	a	852	CLA	MG-NA	7.25	2.23	2.06
14	G	832	CLA	MG-NA	7.25	2.23	2.06
16	F	202	BCR	C20-C21	-7.25	1.20	1.43
16	b	843	BCR	C20-C21	-7.24	1.20	1.43
16	f	201	BCR	C20-C21	-7.24	1.20	1.43
16	S	103	BCR	C16-C17	-7.24	1.20	1.43
16	B	848	BCR	C16-C17	-7.24	1.20	1.43
14	H	806	CLA	MG-NA	7.24	2.23	2.06
16	H	845	BCR	C20-C21	-7.23	1.20	1.43
16	B	846	BCR	C16-C17	-7.23	1.20	1.43
16	A	844	BCR	C20-C21	-7.23	1.20	1.43
16	H	850	BCR	C16-C17	-7.23	1.20	1.43
16	m	1203	BCR	C16-C17	-7.23	1.20	1.43
14	H	821	CLA	MG-NA	7.23	2.23	2.06
14	l	204	CLA	MG-NA	7.23	2.23	2.06
16	A	847	BCR	C16-C17	-7.23	1.20	1.43
16	a	847	BCR	C16-C17	-7.23	1.20	1.43
14	B	805	CLA	MG-NA	7.22	2.23	2.06
16	G	843	BCR	C20-C21	-7.22	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	1201	CLA	MG-NA	7.22	2.23	2.06
14	B	807	CLA	MG-NA	7.22	2.23	2.06
14	G	804	CLA	MG-NA	7.22	2.23	2.06
16	Q	203	BCR	C20-C21	-7.21	1.20	1.43
14	H	831	CLA	MG-NA	7.21	2.23	2.06
16	b	850	BCR	C16-C17	-7.21	1.20	1.43
16	b	842	BCR	C20-C21	-7.21	1.20	1.43
14	A	804	CLA	MG-NA	7.20	2.23	2.06
14	L	205	CLA	MG-NA	7.20	2.23	2.06
14	A	852	CLA	MG-NA	7.20	2.23	2.06
16	a	844	BCR	C16-C17	-7.19	1.20	1.43
16	a	845	BCR	C16-C17	-7.19	1.20	1.43
14	A	812	CLA	MG-NA	7.19	2.23	2.06
16	H	844	BCR	C20-C21	-7.19	1.20	1.43
16	B	850	BCR	C16-C17	-7.18	1.20	1.43
16	U	208	BCR	C16-C17	-7.18	1.20	1.43
16	U	203	BCR	C20-C21	-7.18	1.20	1.43
16	L	207	BCR	C20-C21	-7.18	1.20	1.43
16	G	844	BCR	C16-C17	-7.17	1.21	1.43
14	b	828	CLA	MG-NA	7.17	2.23	2.06
16	S	103	BCR	C20-C21	-7.17	1.21	1.43
14	U	206	CLA	MG-NA	7.17	2.23	2.06
16	a	844	BCR	C20-C21	-7.17	1.21	1.43
14	B	829	CLA	MG-NA	7.16	2.23	2.06
14	B	831	CLA	MG-NA	7.16	2.23	2.06
16	L	209	BCR	C16-C17	-7.16	1.21	1.43
16	b	848	BCR	C16-C17	-7.16	1.21	1.43
16	A	844	BCR	C16-C17	-7.16	1.21	1.43
14	B	811	CLA	MG-NA	7.15	2.23	2.06
16	G	843	BCR	C16-C17	-7.15	1.21	1.43
16	U	203	BCR	C16-C17	-7.15	1.21	1.43
16	A	845	BCR	C16-C17	-7.15	1.21	1.43
16	F	202	BCR	C16-C17	-7.14	1.21	1.43
16	L	209	BCR	C20-C21	-7.14	1.21	1.43
14	B	821	CLA	MG-NA	7.13	2.23	2.06
14	H	801	CLA	MG-NA	7.13	2.23	2.06
16	j	1304	BCR	C20-C21	-7.13	1.21	1.43
16	J	1304	BCR	C20-C21	-7.13	1.21	1.43
14	b	818	CLA	MG-NA	7.13	2.23	2.06
16	l	202	BCR	C20-C21	-7.12	1.21	1.43
14	b	808	CLA	MG-NA	7.12	2.23	2.06
16	l	206	BCR	C16-C17	-7.12	1.21	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	V	1602	BCR	C16-C17	-7.11	1.21	1.43
16	L	207	BCR	C16-C17	-7.10	1.21	1.43
16	f	201	BCR	C16-C17	-7.10	1.21	1.43
16	B	844	BCR	C16-C17	-7.10	1.21	1.43
16	l	202	BCR	C16-C17	-7.10	1.21	1.43
16	b	842	BCR	C16-C17	-7.09	1.21	1.43
14	H	807	CLA	MG-NA	7.07	2.23	2.06
16	Q	203	BCR	C16-C17	-7.07	1.21	1.43
16	b	843	BCR	C16-C17	-7.07	1.21	1.43
16	B	845	BCR	C16-C17	-7.07	1.21	1.43
14	H	811	CLA	MG-NA	7.06	2.23	2.06
16	H	844	BCR	C16-C17	-7.06	1.21	1.43
14	B	825	CLA	MG-NA	7.06	2.23	2.06
14	b	813	CLA	MG-NA	7.06	2.23	2.06
16	H	845	BCR	C16-C17	-7.05	1.21	1.43
15	H	843	PQN	C3-C2	6.98	1.47	1.35
14	B	806	CLA	MG-NA	6.94	2.22	2.06
14	G	851	CLA	MG-NA	6.94	2.22	2.06
14	a	853	CLA	MG-NA	6.93	2.22	2.06
14	b	824	CLA	O2A-C1	6.82	1.60	1.45
14	B	827	CLA	O2A-C1	6.82	1.60	1.45
14	H	827	CLA	O2A-C1	6.78	1.60	1.45
14	B	805	CLA	C1D-ND	-6.56	1.29	1.37
14	B	811	CLA	O2A-C1	5.69	1.61	1.46
14	b	801	CLA	O2A-C1	5.64	1.61	1.46
14	H	805	CLA	O2A-C1	5.64	1.61	1.46
14	H	811	CLA	O2A-C1	5.64	1.61	1.46
14	b	808	CLA	O2A-C1	5.62	1.61	1.46
14	a	852	CLA	O2A-C1	5.59	1.61	1.46
14	B	801	CLA	O2A-C1	5.58	1.61	1.46
14	A	852	CLA	O2A-C1	5.58	1.61	1.46
14	H	801	CLA	O2A-C1	5.54	1.61	1.46
14	A	810	CLA	O2A-C1	5.53	1.61	1.46
14	G	808	CLA	O2A-C1	5.52	1.61	1.46
14	a	810	CLA	O2A-C1	5.52	1.61	1.46
14	H	839	CLA	O2A-C1	5.52	1.61	1.46
14	b	815	CLA	O2A-C1	5.51	1.61	1.46
14	b	837	CLA	O2A-C1	5.51	1.61	1.46
14	a	811	CLA	O2A-C1	5.51	1.60	1.46
14	A	808	CLA	O2A-C1	5.51	1.60	1.46
14	H	818	CLA	O2A-C1	5.49	1.60	1.46
14	a	808	CLA	O2A-C1	5.49	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	807	CLA	O2A-C1	5.49	1.60	1.46
14	b	821	CLA	O2A-C1	5.49	1.60	1.46
14	G	832	CLA	O2A-C1	5.49	1.60	1.46
14	B	839	CLA	O2A-C1	5.49	1.60	1.46
14	A	811	CLA	O2A-C1	5.48	1.60	1.46
14	B	818	CLA	O2A-C1	5.48	1.60	1.46
14	H	830	CLA	O2A-C1	5.47	1.60	1.46
14	A	818	CLA	O2A-C1	5.47	1.60	1.46
14	G	811	CLA	O2A-C1	5.47	1.60	1.46
14	G	829	CLA	O2A-C1	5.46	1.60	1.46
14	a	829	CLA	O2A-C1	5.46	1.60	1.46
14	a	832	CLA	O2A-C1	5.46	1.60	1.46
14	B	830	CLA	O2A-C1	5.46	1.60	1.46
14	A	832	CLA	O2A-C1	5.46	1.60	1.46
14	G	818	CLA	O2A-C1	5.45	1.60	1.46
14	B	838	CLA	O2A-C1	5.45	1.60	1.46
14	H	807	CLA	O2A-C1	5.45	1.60	1.46
14	a	805	CLA	O2A-C1	5.45	1.60	1.46
14	B	824	CLA	O2A-C1	5.44	1.60	1.46
14	m	1201	CLA	O2A-C1	5.44	1.60	1.46
14	G	810	CLA	O2A-C1	5.44	1.60	1.46
14	b	802	CLA	O2A-C1	5.44	1.60	1.46
14	A	829	CLA	O2A-C1	5.44	1.60	1.46
14	G	805	CLA	O2A-C1	5.44	1.60	1.46
14	H	824	CLA	O2A-C1	5.43	1.60	1.46
14	b	827	CLA	O2A-C1	5.43	1.60	1.46
14	H	831	CLA	O2A-C1	5.43	1.60	1.46
14	G	816	CLA	O2A-C1	5.43	1.60	1.46
14	A	805	CLA	O2A-C1	5.43	1.60	1.46
14	a	818	CLA	O2A-C1	5.42	1.60	1.46
14	G	806	CLA	O2A-C1	5.41	1.60	1.46
14	l	204	CLA	O2A-C1	5.41	1.60	1.46
14	B	812	CLA	O2A-C1	5.41	1.60	1.46
14	a	833	CLA	O2A-C1	5.41	1.60	1.46
14	H	815	CLA	O2A-C1	5.41	1.60	1.46
14	H	816	CLA	O2A-C1	5.41	1.60	1.46
14	b	828	CLA	O2A-C1	5.41	1.60	1.46
14	b	813	CLA	O2A-C1	5.41	1.60	1.46
14	a	840	CLA	O2A-C1	5.40	1.60	1.46
14	A	833	CLA	O2A-C1	5.40	1.60	1.46
14	G	827	CLA	O2A-C1	5.40	1.60	1.46
14	a	806	CLA	O2A-C1	5.40	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	806	CLA	O2A-C1	5.40	1.60	1.46
14	H	812	CLA	O2A-C1	5.40	1.60	1.46
14	B	806	CLA	O2A-C1	5.40	1.60	1.46
14	a	827	CLA	O2A-C1	5.39	1.60	1.46
14	A	827	CLA	O2A-C1	5.39	1.60	1.46
14	G	833	CLA	O2A-C1	5.39	1.60	1.46
14	B	802	CLA	O2A-C1	5.39	1.60	1.46
14	A	819	CLA	O2A-C1	5.39	1.60	1.46
14	G	819	CLA	O2A-C1	5.39	1.60	1.46
14	b	809	CLA	O2A-C1	5.39	1.60	1.46
14	B	816	CLA	O2A-C1	5.38	1.60	1.46
14	L	205	CLA	O2A-C1	5.38	1.60	1.46
14	b	826	CLA	O2A-C1	5.38	1.60	1.46
14	A	839	CLA	O2A-C1	5.38	1.60	1.46
14	G	851	CLA	O2A-C1	5.38	1.60	1.46
14	H	829	CLA	O2A-C1	5.38	1.60	1.46
14	H	838	CLA	O2A-C1	5.38	1.60	1.46
14	B	805	CLA	C3D-C4D	-5.38	1.32	1.44
14	A	842	CLA	O2A-C1	5.38	1.60	1.46
14	U	206	CLA	O2A-C1	5.38	1.60	1.46
14	B	815	CLA	O2A-C1	5.38	1.60	1.46
14	b	831	CLA	O2A-C1	5.38	1.60	1.46
14	a	842	CLA	O2A-C1	5.38	1.60	1.46
14	A	838	CLA	O2A-C1	5.38	1.60	1.46
14	b	825	CLA	O2A-C1	5.38	1.60	1.46
14	A	816	CLA	O2A-C1	5.38	1.60	1.46
14	G	838	CLA	O2A-C1	5.38	1.60	1.46
14	a	816	CLA	O2A-C1	5.37	1.60	1.46
14	G	823	CLA	O2A-C1	5.37	1.60	1.46
14	B	831	CLA	O2A-C1	5.37	1.60	1.46
14	b	812	CLA	O2A-C1	5.37	1.60	1.46
14	B	829	CLA	O2A-C1	5.37	1.60	1.46
14	H	803	CLA	O2A-C1	5.37	1.60	1.46
14	b	823	CLA	O2A-C1	5.36	1.60	1.46
14	H	828	CLA	O2A-C1	5.36	1.60	1.46
14	G	841	CLA	O2A-C1	5.36	1.60	1.46
14	a	822	CLA	O2A-C1	5.36	1.60	1.46
14	b	840	CLA	O2A-C1	5.36	1.60	1.46
14	B	828	CLA	O2A-C1	5.36	1.60	1.46
14	B	842	CLA	O2A-C1	5.36	1.60	1.46
14	H	834	CLA	O2A-C1	5.36	1.60	1.46
14	A	812	CLA	O2A-C1	5.36	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	O2A-C1	5.36	1.60	1.46
14	A	830	CLA	O2A-C1	5.36	1.60	1.46
14	A	822	CLA	O2A-C1	5.35	1.60	1.46
14	H	820	CLA	O2A-C1	5.35	1.60	1.46
14	a	853	CLA	O2A-C1	5.35	1.60	1.46
14	H	826	CLA	MG-ND	-5.35	1.95	2.05
14	A	823	CLA	O2A-C1	5.35	1.60	1.46
14	b	803	CLA	O2A-C1	5.35	1.60	1.46
14	b	839	CLA	O2A-C1	5.35	1.60	1.46
14	B	804	CLA	O2A-C1	5.35	1.60	1.46
14	a	819	CLA	O2A-C1	5.35	1.60	1.46
14	b	801	CLA	CHC-C1C	5.35	1.49	1.38
14	G	820	CLA	O2A-C1	5.35	1.60	1.46
14	G	822	CLA	O2A-C1	5.34	1.60	1.46
14	H	841	CLA	O2A-C1	5.34	1.60	1.46
14	a	823	CLA	O2A-C1	5.34	1.60	1.46
14	b	836	CLA	O2A-C1	5.34	1.60	1.46
14	G	830	CLA	O2A-C1	5.34	1.60	1.46
14	H	842	CLA	O2A-C1	5.34	1.60	1.46
14	G	812	CLA	O2A-C1	5.34	1.60	1.46
14	A	803	CLA	O2A-C1	5.34	1.60	1.46
16	b	845	BCR	C11-C10	-5.34	1.26	1.43
14	B	826	CLA	O2A-C1	5.34	1.60	1.46
14	H	802	CLA	O2A-C1	5.33	1.60	1.46
14	a	803	CLA	O2A-C1	5.33	1.60	1.46
14	U	205	CLA	O2A-C1	5.33	1.60	1.46
14	G	802	CLA	O2A-C1	5.33	1.60	1.46
14	a	830	CLA	O2A-C1	5.33	1.60	1.46
14	B	834	CLA	O2A-C1	5.33	1.60	1.46
14	B	841	CLA	O2A-C1	5.33	1.60	1.46
14	A	835	CLA	O2A-C1	5.32	1.60	1.46
14	A	802	CLA	O2A-C1	5.32	1.60	1.46
14	b	832	CLA	O2A-C1	5.31	1.60	1.46
14	B	803	CLA	O2A-C1	5.31	1.60	1.46
14	l	203	CLA	O2A-C1	5.31	1.60	1.46
14	a	802	CLA	O2A-C1	5.31	1.60	1.46
14	G	835	CLA	O2A-C1	5.31	1.60	1.46
14	G	803	CLA	O2A-C1	5.30	1.60	1.46
14	a	820	CLA	O2A-C1	5.30	1.60	1.46
14	L	204	CLA	O2A-C1	5.30	1.60	1.46
14	a	812	CLA	O2A-C1	5.30	1.60	1.46
14	H	821	CLA	O2A-C1	5.30	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	804	CLA	O2A-C1	5.30	1.60	1.46
14	a	839	CLA	O2A-C1	5.30	1.60	1.46
14	a	835	CLA	O2A-C1	5.30	1.60	1.46
14	H	809	CLA	O2A-C1	5.30	1.60	1.46
14	A	820	CLA	O2A-C1	5.29	1.60	1.46
14	b	816	CLA	O2A-C1	5.29	1.60	1.46
14	A	826	CLA	O2A-C1	5.29	1.60	1.46
14	a	838	CLA	O2A-C1	5.29	1.60	1.46
14	b	807	CLA	O2A-C1	5.29	1.60	1.46
14	B	810	CLA	O2A-C1	5.28	1.60	1.46
14	G	826	CLA	O2A-C1	5.28	1.60	1.46
14	a	826	CLA	O2A-C1	5.28	1.60	1.46
14	A	807	CLA	O2A-C1	5.28	1.60	1.46
14	b	818	CLA	O2A-C1	5.28	1.60	1.46
14	b	806	CLA	O2A-C1	5.27	1.60	1.46
14	a	825	CLA	O2A-C1	5.27	1.60	1.46
14	a	836	CLA	O2A-C1	5.27	1.60	1.46
14	H	810	CLA	O2A-C1	5.27	1.60	1.46
14	B	809	CLA	O2A-C1	5.27	1.60	1.46
14	l	205	CLA	O2A-C1	5.27	1.60	1.46
14	V	1601	CLA	O2D-CGD	5.27	1.46	1.33
14	a	807	CLA	O2A-C1	5.26	1.60	1.46
14	B	821	CLA	O2A-C1	5.26	1.60	1.46
14	H	808	CLA	O2A-C1	5.26	1.60	1.46
14	G	836	CLA	O2A-C1	5.26	1.60	1.46
14	B	820	CLA	O2A-C1	5.26	1.60	1.46
14	G	825	CLA	O2A-C1	5.25	1.60	1.46
14	A	828	CLA	O2A-C1	5.25	1.60	1.46
14	G	828	CLA	O2A-C1	5.25	1.60	1.46
14	m	1202	CLA	O2D-CGD	5.24	1.46	1.33
14	A	825	CLA	O2A-C1	5.24	1.60	1.46
14	H	806	CLA	O2A-C1	5.24	1.60	1.46
14	b	805	CLA	O2A-C1	5.23	1.60	1.46
14	G	807	CLA	O2A-C1	5.23	1.60	1.46
14	a	828	CLA	O2A-C1	5.23	1.60	1.46
13	A	801	CL0	O2A-C1	5.23	1.60	1.46
14	b	832	CLA	O2D-CGD	5.23	1.46	1.33
14	M	1601	CLA	O2D-CGD	5.23	1.46	1.33
14	G	809	CLA	O2D-CGD	5.23	1.46	1.33
14	H	826	CLA	O2A-C1	5.22	1.60	1.46
14	B	808	CLA	O2A-C1	5.22	1.60	1.46
14	B	805	CLA	O2A-C1	5.22	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CLA	O2D-CGD	5.22	1.46	1.33
13	G	801	CL0	O2A-C1	5.22	1.60	1.46
13	a	801	CL0	O2A-C1	5.21	1.60	1.46
14	L	206	CLA	O2A-C1	5.21	1.60	1.46
14	b	817	CLA	O2A-C1	5.20	1.60	1.46
14	A	836	CLA	O2A-C1	5.20	1.60	1.46
14	a	824	CLA	O2A-C1	5.20	1.60	1.46
14	B	819	CLA	O2A-C1	5.19	1.60	1.46
14	U	201	CLA	O2A-C1	5.19	1.60	1.46
14	U	207	CLA	O2A-C1	5.19	1.60	1.46
14	a	831	CLA	O2A-C1	5.19	1.60	1.46
14	G	817	CLA	O2A-C1	5.19	1.60	1.46
14	L	201	CLA	O2A-C1	5.19	1.60	1.46
14	A	809	CLA	O2D-CGD	5.19	1.46	1.33
14	A	804	CLA	O2A-C1	5.18	1.60	1.46
14	A	831	CLA	O2A-C1	5.18	1.60	1.46
14	G	824	CLA	O2A-C1	5.17	1.60	1.46
14	a	841	CLA	O2A-C1	5.17	1.60	1.46
14	G	815	CLA	O2D-CGD	5.17	1.45	1.33
14	A	817	CLA	O2D-CGD	5.17	1.45	1.33
14	A	840	CLA	O2A-C1	5.17	1.60	1.46
14	G	831	CLA	O2A-C1	5.17	1.60	1.46
14	A	823	CLA	O2D-CGD	5.16	1.45	1.33
14	G	804	CLA	O2A-C1	5.16	1.60	1.46
14	R	101	CLA	O2A-C1	5.16	1.60	1.46
14	a	815	CLA	O2D-CGD	5.15	1.45	1.33
14	H	825	CLA	O2D-CGD	5.15	1.45	1.33
14	Q	201	CLA	O2A-C1	5.15	1.60	1.46
14	H	826	CLA	CHC-C1C	5.14	1.48	1.38
14	a	817	CLA	O2A-C1	5.14	1.60	1.46
14	b	829	CLA	O2D-CGD	5.14	1.45	1.33
14	G	840	CLA	O2A-C1	5.14	1.60	1.46
14	b	804	CLA	O2A-C1	5.14	1.60	1.46
14	a	820	CLA	O2D-CGD	5.13	1.45	1.33
14	A	824	CLA	O2A-C1	5.13	1.59	1.46
14	a	841	CLA	O2D-CGD	5.13	1.45	1.33
14	b	810	CLA	O2D-CGD	5.13	1.45	1.33
14	A	817	CLA	O2A-C1	5.13	1.59	1.46
14	B	832	CLA	O2D-CGD	5.12	1.45	1.33
14	a	838	CLA	O2D-CGD	5.12	1.45	1.33
14	A	815	CLA	O2D-CGD	5.12	1.45	1.33
14	H	804	CLA	O2D-CGD	5.12	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	819	CLA	O2D-CGD	5.12	1.45	1.33
14	j	1301	CLA	O2D-CGD	5.12	1.45	1.33
14	G	806	CLA	O2D-CGD	5.11	1.45	1.33
14	J	1301	CLA	O2D-CGD	5.11	1.45	1.33
14	H	813	CLA	O2D-CGD	5.11	1.45	1.33
14	F	201	CLA	O2A-C1	5.11	1.59	1.46
14	a	809	CLA	O2D-CGD	5.11	1.45	1.33
14	B	825	CLA	O2D-CGD	5.11	1.45	1.33
14	b	830	CLA	O2D-CGD	5.11	1.45	1.33
14	A	820	CLA	O2D-CGD	5.10	1.45	1.33
14	B	839	CLA	O2D-CGD	5.10	1.45	1.33
14	j	1302	CLA	O2D-CGD	5.10	1.45	1.33
14	B	814	CLA	O2D-CGD	5.10	1.45	1.33
14	S	101	CLA	O2D-CGD	5.10	1.45	1.33
14	b	816	CLA	O2D-CGD	5.10	1.45	1.33
14	H	824	CLA	O2D-CGD	5.10	1.45	1.33
14	H	832	CLA	O2D-CGD	5.10	1.45	1.33
14	a	823	CLA	O2D-CGD	5.10	1.45	1.33
14	H	834	CLA	O2D-CGD	5.10	1.45	1.33
14	a	816	CLA	O2D-CGD	5.10	1.45	1.33
14	B	816	CLA	O2D-CGD	5.09	1.45	1.33
14	Q	202	CLA	O2D-CGD	5.09	1.45	1.33
14	B	833	CLA	O2D-CGD	5.09	1.45	1.33
14	b	822	CLA	O2D-CGD	5.09	1.45	1.33
14	H	819	CLA	O2A-C1	5.09	1.59	1.46
14	J	1302	CLA	O2D-CGD	5.09	1.45	1.33
14	G	816	CLA	O2D-CGD	5.09	1.45	1.33
14	b	821	CLA	CHC-C1C	5.09	1.48	1.38
14	B	824	CLA	O2D-CGD	5.09	1.45	1.33
14	B	823	CLA	O2D-CGD	5.08	1.45	1.33
14	B	813	CLA	O2D-CGD	5.08	1.45	1.33
14	B	804	CLA	O2D-CGD	5.08	1.45	1.33
14	H	819	CLA	O2D-CGD	5.08	1.45	1.33
14	b	811	CLA	O2D-CGD	5.08	1.45	1.33
14	a	804	CLA	O2A-C1	5.08	1.59	1.46
14	a	827	CLA	O2D-CGD	5.08	1.45	1.33
14	A	838	CLA	O2D-CGD	5.07	1.45	1.33
14	b	821	CLA	O2D-CGD	5.07	1.45	1.33
14	A	816	CLA	O2D-CGD	5.07	1.45	1.33
14	G	838	CLA	O2D-CGD	5.07	1.45	1.33
14	a	817	CLA	O2D-CGD	5.07	1.45	1.33
14	G	820	CLA	O2D-CGD	5.07	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	833	CLA	O2D-CGD	5.07	1.45	1.33
14	A	827	CLA	O2D-CGD	5.07	1.45	1.33
14	G	840	CLA	O2D-CGD	5.07	1.45	1.33
14	b	834	CLA	O2D-CGD	5.07	1.45	1.33
14	B	830	CLA	O2D-CGD	5.06	1.45	1.33
14	a	814	CLA	O2D-CGD	5.06	1.45	1.33
14	a	833	CLA	O2D-CGD	5.06	1.45	1.33
14	G	814	CLA	O2D-CGD	5.06	1.45	1.33
14	B	836	CLA	O2D-CGD	5.06	1.45	1.33
14	A	840	CLA	O2D-CGD	5.05	1.45	1.33
14	A	814	CLA	O2D-CGD	5.05	1.45	1.33
14	B	807	CLA	O2D-CGD	5.05	1.45	1.33
14	G	802	CLA	O2D-CGD	5.05	1.45	1.33
14	a	806	CLA	O2D-CGD	5.05	1.45	1.33
14	H	814	CLA	O2D-CGD	5.05	1.45	1.33
14	H	818	CLA	O2D-CGD	5.05	1.45	1.33
14	b	817	CLA	O2D-CGD	5.05	1.45	1.33
14	B	801	CLA	CHC-C1C	5.04	1.48	1.38
14	a	839	CLA	O2D-CGD	5.04	1.45	1.33
14	H	810	CLA	O2D-CGD	5.04	1.45	1.33
14	A	833	CLA	O2D-CGD	5.04	1.45	1.33
14	b	815	CLA	O2D-CGD	5.04	1.45	1.33
14	b	837	CLA	O2D-CGD	5.04	1.45	1.33
14	H	836	CLA	O2D-CGD	5.04	1.45	1.33
14	a	810	CLA	O2D-CGD	5.04	1.45	1.33
14	a	818	CLA	O2D-CGD	5.03	1.45	1.33
14	B	820	CLA	O2D-CGD	5.03	1.45	1.33
14	H	829	CLA	O2D-CGD	5.03	1.45	1.33
14	B	829	CLA	O2D-CGD	5.03	1.45	1.33
14	G	819	CLA	O2D-CGD	5.03	1.45	1.33
14	B	841	CLA	O2D-CGD	5.03	1.45	1.33
14	H	822	CLA	O2D-CGD	5.03	1.45	1.33
14	B	818	CLA	O2D-CGD	5.03	1.45	1.33
14	b	819	CLA	O2D-CGD	5.03	1.45	1.33
14	a	819	CLA	O2D-CGD	5.02	1.45	1.33
14	b	826	CLA	O2D-CGD	5.02	1.45	1.33
14	H	838	CLA	O2D-CGD	5.02	1.45	1.33
14	G	833	CLA	O2D-CGD	5.02	1.45	1.33
14	H	837	CLA	O2D-CGD	5.02	1.45	1.33
14	a	840	CLA	O2D-CGD	5.02	1.45	1.33
14	A	810	CLA	O2D-CGD	5.02	1.45	1.33
14	G	823	CLA	O2D-CGD	5.02	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	828	CLA	O2D-CGD	5.02	1.45	1.33
14	G	810	CLA	O2D-CGD	5.02	1.45	1.33
14	B	810	CLA	O2D-CGD	5.02	1.45	1.33
14	b	823	CLA	O2D-CGD	5.02	1.45	1.33
14	B	837	CLA	O2D-CGD	5.02	1.45	1.33
14	b	813	CLA	O2D-CGD	5.02	1.45	1.33
14	m	1201	CLA	O2D-CGD	5.02	1.45	1.33
14	b	839	CLA	O2D-CGD	5.01	1.45	1.33
14	b	835	CLA	O2D-CGD	5.01	1.45	1.33
14	G	827	CLA	O2D-CGD	5.01	1.45	1.33
14	B	822	CLA	O2D-CGD	5.01	1.45	1.33
14	b	814	CLA	O2D-CGD	5.01	1.45	1.33
14	H	820	CLA	O2D-CGD	5.01	1.45	1.33
14	A	819	CLA	O2D-CGD	5.01	1.45	1.33
14	b	807	CLA	O2D-CGD	5.01	1.45	1.33
14	A	824	CLA	O2D-CGD	5.01	1.45	1.33
14	A	828	CLA	O2D-CGD	5.01	1.45	1.33
14	a	807	CLA	O2D-CGD	5.01	1.45	1.33
14	B	817	CLA	O2D-CGD	5.00	1.45	1.33
13	a	801	CL0	O2D-CGD	5.00	1.45	1.33
14	b	820	CLA	O2D-CGD	5.00	1.45	1.33
14	b	802	CLA	O2D-CGD	5.00	1.45	1.33
13	G	801	CL0	O2D-CGD	5.00	1.45	1.33
14	G	811	CLA	O2D-CGD	5.00	1.45	1.33
14	B	803	CLA	O2D-CGD	5.00	1.45	1.33
14	b	806	CLA	O2D-CGD	5.00	1.45	1.33
14	a	805	CLA	O2D-CGD	5.00	1.45	1.33
14	K	1401	CLA	O2D-CGD	5.00	1.45	1.33
13	A	801	CL0	O2D-CGD	5.00	1.45	1.33
14	A	835	CLA	O2D-CGD	5.00	1.45	1.33
14	a	811	CLA	O2D-CGD	5.00	1.45	1.33
14	H	823	CLA	O2D-CGD	5.00	1.45	1.33
14	A	805	CLA	O2D-CGD	5.00	1.45	1.33
14	G	807	CLA	O2D-CGD	5.00	1.45	1.33
14	H	841	CLA	O2D-CGD	5.00	1.45	1.33
14	G	828	CLA	O2D-CGD	5.00	1.45	1.33
14	G	839	CLA	O2D-CGD	5.00	1.45	1.33
14	H	816	CLA	O2D-CGD	5.00	1.45	1.33
14	A	839	CLA	O2D-CGD	4.99	1.45	1.33
14	G	822	CLA	O2D-CGD	4.99	1.45	1.33
14	G	824	CLA	O2D-CGD	4.99	1.45	1.33
14	A	822	CLA	O2D-CGD	4.99	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	O2D-CGD	4.99	1.45	1.33
14	a	821	CLA	O2D-CGD	4.99	1.45	1.33
14	H	803	CLA	O2D-CGD	4.99	1.45	1.33
14	A	807	CLA	O2D-CGD	4.99	1.45	1.33
14	G	835	CLA	O2D-CGD	4.99	1.45	1.33
14	a	822	CLA	O2D-CGD	4.99	1.45	1.33
14	G	818	CLA	O2D-CGD	4.99	1.45	1.33
14	a	842	CLA	O2D-CGD	4.98	1.45	1.33
14	B	809	CLA	O2D-CGD	4.98	1.45	1.33
14	H	809	CLA	O2D-CGD	4.98	1.45	1.33
14	A	821	CLA	O2D-CGD	4.98	1.45	1.33
14	H	839	CLA	O2D-CGD	4.98	1.45	1.33
14	B	838	CLA	O2D-CGD	4.98	1.45	1.33
14	H	808	CLA	O2D-CGD	4.98	1.45	1.33
14	A	811	CLA	O2D-CGD	4.98	1.45	1.33
14	k	102	CLA	O2D-CGD	4.98	1.45	1.33
14	G	813	CLA	O2D-CGD	4.98	1.45	1.33
14	H	821	CLA	O2D-CGD	4.98	1.45	1.33
14	a	834	CLA	O2D-CGD	4.97	1.45	1.33
14	b	803	CLA	O2D-CGD	4.97	1.45	1.33
14	a	842	CLA	C3C-C2C	4.97	1.47	1.36
14	U	207	CLA	O2D-CGD	4.97	1.45	1.33
14	a	824	CLA	O2D-CGD	4.97	1.45	1.33
14	l	203	CLA	O2D-CGD	4.97	1.45	1.33
14	A	818	CLA	O2D-CGD	4.97	1.45	1.33
14	a	835	CLA	O2D-CGD	4.97	1.45	1.33
14	b	836	CLA	O2D-CGD	4.97	1.45	1.33
14	b	812	CLA	CHC-C1C	4.96	1.48	1.38
14	T	102	CLA	O2D-CGD	4.96	1.45	1.33
14	G	817	CLA	O2D-CGD	4.96	1.45	1.33
14	H	817	CLA	O2D-CGD	4.96	1.45	1.33
14	G	805	CLA	O2D-CGD	4.96	1.45	1.33
14	a	826	CLA	O2D-CGD	4.96	1.45	1.33
14	H	830	CLA	O2D-CGD	4.96	1.45	1.33
14	G	831	CLA	O2D-CGD	4.95	1.45	1.33
14	G	821	CLA	O2D-CGD	4.95	1.45	1.33
14	G	832	CLA	O2D-CGD	4.95	1.45	1.33
14	H	831	CLA	O2D-CGD	4.95	1.45	1.33
14	a	831	CLA	O2D-CGD	4.95	1.45	1.33
14	A	842	CLA	C3C-C2C	4.95	1.47	1.36
14	A	831	CLA	O2D-CGD	4.95	1.45	1.33
14	U	201	CLA	O2D-CGD	4.95	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	801	CLA	C1D-ND	-4.95	1.31	1.37
14	A	852	CLA	CHC-C1C	4.95	1.48	1.38
14	B	812	CLA	O2D-CGD	4.95	1.45	1.33
14	R	101	CLA	O2D-CGD	4.95	1.45	1.33
14	a	837	CLA	O2D-CGD	4.95	1.45	1.33
14	A	832	CLA	O2D-CGD	4.94	1.45	1.33
14	b	809	CLA	O2D-CGD	4.94	1.45	1.33
14	a	852	CLA	CHC-C1C	4.94	1.48	1.38
14	a	802	CLA	O2D-CGD	4.94	1.45	1.33
14	A	808	CLA	O2D-CGD	4.94	1.45	1.33
14	G	826	CLA	O2D-CGD	4.94	1.45	1.33
14	A	830	CLA	O2D-CGD	4.94	1.45	1.33
14	H	842	CLA	O2D-CGD	4.94	1.45	1.33
14	b	840	CLA	O2D-CGD	4.93	1.45	1.33
14	a	830	CLA	O2D-CGD	4.93	1.45	1.33
14	H	812	CLA	O2D-CGD	4.93	1.45	1.33
14	b	804	CLA	O2D-CGD	4.93	1.45	1.33
14	L	206	CLA	O2D-CGD	4.93	1.45	1.33
14	b	831	CLA	O2D-CGD	4.93	1.45	1.33
14	A	820	CLA	CHC-C1C	4.92	1.48	1.38
14	A	825	CLA	O2D-CGD	4.92	1.45	1.33
14	U	205	CLA	O2D-CGD	4.92	1.45	1.33
14	a	832	CLA	O2D-CGD	4.92	1.45	1.33
14	B	831	CLA	O2D-CGD	4.92	1.45	1.33
14	A	842	CLA	O2D-CGD	4.92	1.45	1.33
14	B	827	CLA	O2D-CGD	4.92	1.45	1.33
14	G	830	CLA	O2D-CGD	4.92	1.45	1.33
14	B	808	CLA	O2D-CGD	4.92	1.45	1.33
14	A	837	CLA	O2D-CGD	4.92	1.45	1.33
14	a	813	CLA	O2D-CGD	4.92	1.45	1.33
14	H	811	CLA	O2D-CGD	4.92	1.45	1.33
14	b	824	CLA	O2D-CGD	4.92	1.45	1.33
14	l	205	CLA	O2D-CGD	4.91	1.45	1.33
14	B	805	CLA	O2D-CGD	4.91	1.45	1.33
14	H	828	CLA	O2D-CGD	4.91	1.45	1.33
14	a	829	CLA	O2D-CGD	4.91	1.45	1.33
14	G	837	CLA	O2D-CGD	4.91	1.45	1.33
14	G	841	CLA	O2D-CGD	4.91	1.45	1.33
14	H	827	CLA	O2D-CGD	4.91	1.45	1.33
14	a	808	CLA	O2D-CGD	4.90	1.45	1.33
14	A	826	CLA	O2D-CGD	4.90	1.45	1.33
14	L	201	CLA	O2D-CGD	4.90	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	807	CLA	CHC-C1C	4.90	1.48	1.38
14	A	806	CLA	O2D-CGD	4.89	1.45	1.33
14	b	828	CLA	O2D-CGD	4.89	1.45	1.33
14	L	204	CLA	O2D-CGD	4.89	1.45	1.33
14	B	842	CLA	O2D-CGD	4.88	1.45	1.33
14	b	808	CLA	O2D-CGD	4.88	1.45	1.33
14	x	1701	CLA	O2D-CGD	4.87	1.45	1.33
14	A	829	CLA	O2D-CGD	4.87	1.45	1.33
14	B	828	CLA	O2D-CGD	4.87	1.45	1.33
14	H	802	CLA	O2D-CGD	4.87	1.45	1.33
14	F	201	CLA	O2D-CGD	4.86	1.45	1.33
14	B	832	CLA	C3D-C4D	-4.86	1.33	1.44
14	G	829	CLA	O2D-CGD	4.86	1.45	1.33
14	H	824	CLA	CHC-C1C	4.86	1.48	1.38
14	A	834	CLA	CHC-C1C	4.86	1.48	1.38
14	A	803	CLA	O2D-CGD	4.86	1.45	1.33
14	B	821	CLA	O2D-CGD	4.86	1.45	1.33
14	A	813	CLA	O2D-CGD	4.86	1.45	1.33
14	m	1201	CLA	CHC-C1C	4.85	1.48	1.38
14	H	835	CLA	O2D-CGD	4.85	1.45	1.33
14	B	811	CLA	O2D-CGD	4.85	1.45	1.33
14	a	852	CLA	O2D-CGD	4.85	1.45	1.33
14	a	813	CLA	CHC-C1C	4.85	1.48	1.38
14	G	815	CLA	CHC-C1C	4.85	1.48	1.38
14	B	826	CLA	O2D-CGD	4.85	1.45	1.33
14	G	841	CLA	C3C-C2C	4.84	1.47	1.36
14	b	833	CLA	O2D-CGD	4.84	1.45	1.33
14	H	801	CLA	O2D-CGD	4.84	1.45	1.33
14	b	825	CLA	O2D-CGD	4.84	1.45	1.33
14	A	813	CLA	CHC-C1C	4.84	1.48	1.38
14	B	807	CLA	CHC-C1C	4.84	1.48	1.38
14	B	835	CLA	O2D-CGD	4.84	1.45	1.33
14	B	835	CLA	CHC-C1C	4.84	1.48	1.38
14	L	205	CLA	O2D-CGD	4.83	1.45	1.33
14	H	814	CLA	CHC-C1C	4.83	1.48	1.38
14	H	815	CLA	O2D-CGD	4.83	1.45	1.33
14	B	802	CLA	O2D-CGD	4.83	1.45	1.33
14	b	838	CLA	O2D-CGD	4.83	1.45	1.33
14	G	825	CLA	O2D-CGD	4.83	1.45	1.33
14	A	852	CLA	O2D-CGD	4.82	1.45	1.33
14	b	818	CLA	O2D-CGD	4.82	1.45	1.33
14	G	813	CLA	CHC-C1C	4.82	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Q	201	CLA	CHD-C1D	4.82	1.47	1.38
14	l	204	CLA	O2D-CGD	4.82	1.45	1.33
14	J	1302	CLA	CHC-C1C	4.82	1.48	1.38
14	G	829	CLA	CHC-C1C	4.82	1.48	1.38
14	G	808	CLA	O2D-CGD	4.82	1.45	1.33
14	G	827	CLA	CHC-C1C	4.81	1.48	1.38
14	H	805	CLA	O2D-CGD	4.81	1.45	1.33
14	b	805	CLA	O2D-CGD	4.81	1.45	1.33
14	B	814	CLA	CHC-C1C	4.81	1.48	1.38
14	B	806	CLA	O2D-CGD	4.81	1.45	1.33
14	b	827	CLA	O2D-CGD	4.81	1.45	1.33
14	W	1701	CLA	O2D-CGD	4.80	1.45	1.33
14	B	840	CLA	O2D-CGD	4.80	1.45	1.33
14	X	1701	CLA	O2D-CGD	4.80	1.45	1.33
14	a	853	CLA	O2D-CGD	4.80	1.45	1.33
14	H	831	CLA	CHD-C1D	4.80	1.47	1.38
14	b	823	CLA	CHC-C1C	4.79	1.48	1.38
16	b	850	BCR	C10-C9	-4.79	1.24	1.35
14	H	822	CLA	C3D-C4D	-4.79	1.33	1.44
14	A	804	CLA	CHC-C1C	4.79	1.48	1.38
14	a	839	CLA	CHD-C1D	4.79	1.47	1.38
14	b	811	CLA	CHC-C1C	4.79	1.48	1.38
14	a	827	CLA	CHC-C1C	4.78	1.48	1.38
14	B	824	CLA	CHC-C1C	4.78	1.48	1.38
14	a	803	CLA	O2D-CGD	4.78	1.45	1.33
14	H	840	CLA	O2D-CGD	4.78	1.45	1.33
14	A	804	CLA	O2D-CGD	4.77	1.45	1.33
14	Q	201	CLA	O2D-CGD	4.77	1.45	1.33
14	a	803	CLA	CHC-C1C	4.77	1.48	1.38
13	A	801	CL0	C3D-C4D	-4.77	1.33	1.44
14	G	815	CLA	CHD-C1D	4.76	1.47	1.38
14	A	827	CLA	CHC-C1C	4.76	1.48	1.38
14	A	826	CLA	CHC-C1C	4.76	1.48	1.38
15	b	841	PQN	C10-C5	4.76	1.48	1.40
14	S	101	CLA	CHC-C1C	4.76	1.48	1.38
14	b	812	CLA	O2D-CGD	4.75	1.44	1.33
14	G	806	CLA	CHC-C1C	4.75	1.48	1.38
14	a	804	CLA	CHC-C1C	4.75	1.48	1.38
14	B	815	CLA	O2D-CGD	4.75	1.44	1.33
14	G	817	CLA	CHD-C1D	4.75	1.47	1.38
14	G	816	CLA	CHC-C1C	4.75	1.48	1.38
15	G	842	PQN	C10-C5	4.75	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	834	CLA	CHC-C1C	4.74	1.48	1.38
14	Q	201	CLA	CHC-C1C	4.74	1.48	1.38
14	H	801	CLA	CHC-C1C	4.74	1.48	1.38
14	a	817	CLA	CHC-C1C	4.74	1.48	1.38
14	G	812	CLA	CHC-C1C	4.74	1.48	1.38
14	H	807	CLA	O2D-CGD	4.73	1.44	1.33
14	a	815	CLA	CHD-C1D	4.73	1.47	1.38
14	b	802	CLA	CHC-C1C	4.73	1.48	1.38
14	A	816	CLA	CHC-C1C	4.73	1.48	1.38
14	B	801	CLA	O2D-CGD	4.72	1.44	1.33
14	a	835	CLA	C3C-C2C	4.72	1.47	1.36
14	H	826	CLA	C1D-ND	-4.72	1.31	1.37
14	A	807	CLA	CHC-C1C	4.72	1.47	1.38
14	G	820	CLA	CHC-C1C	4.72	1.47	1.38
14	G	819	CLA	CHD-C1D	4.71	1.47	1.38
14	G	851	CLA	O2D-CGD	4.71	1.44	1.33
14	H	805	CLA	CHC-C1C	4.71	1.47	1.38
14	H	835	CLA	CHC-C1C	4.71	1.47	1.38
14	A	836	CLA	O2D-CGD	4.71	1.44	1.33
14	a	836	CLA	O2D-CGD	4.71	1.44	1.33
14	a	820	CLA	CHC-C1C	4.71	1.47	1.38
14	B	806	CLA	C1D-ND	-4.71	1.31	1.37
14	U	206	CLA	O2D-CGD	4.70	1.44	1.33
14	a	834	CLA	CHC-C1C	4.70	1.47	1.38
14	b	829	CLA	C3D-C4D	-4.69	1.33	1.44
14	H	802	CLA	CHC-C1C	4.69	1.47	1.38
14	b	833	CLA	CHC-C1C	4.69	1.47	1.38
14	L	206	CLA	CHC-C1C	4.69	1.47	1.38
14	G	834	CLA	O2D-CGD	4.69	1.44	1.33
15	a	843	PQN	C10-C5	4.69	1.48	1.40
14	H	827	CLA	CHD-C1D	4.69	1.47	1.38
14	A	812	CLA	CHC-C1C	4.69	1.47	1.38
14	B	815	CLA	CHC-C1C	4.68	1.47	1.38
14	a	826	CLA	CHC-C1C	4.68	1.47	1.38
14	H	815	CLA	CHC-C1C	4.68	1.47	1.38
14	G	826	CLA	C3D-C4D	-4.68	1.33	1.44
14	A	803	CLA	CHC-C1C	4.68	1.47	1.38
14	G	826	CLA	CHC-C1C	4.68	1.47	1.38
14	B	816	CLA	CHD-C1D	4.68	1.47	1.38
14	Q	201	CLA	CHD-C4C	4.68	1.49	1.39
14	a	819	CLA	CHC-C1C	4.68	1.47	1.38
14	U	207	CLA	CHC-C1C	4.68	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	848	BCR	C10-C9	-4.67	1.25	1.35
14	H	820	CLA	CHC-C1C	4.67	1.47	1.38
14	b	828	CLA	C3D-C4D	-4.67	1.33	1.44
14	A	830	CLA	CHC-C1C	4.67	1.47	1.38
14	b	801	CLA	O2D-CGD	4.67	1.44	1.33
14	G	803	CLA	CHC-C1C	4.67	1.47	1.38
14	l	205	CLA	CHC-C1C	4.67	1.47	1.38
14	a	812	CLA	CHC-C1C	4.67	1.47	1.38
14	H	827	CLA	CHC-C1C	4.67	1.47	1.38
14	B	802	CLA	CHC-C1C	4.66	1.47	1.38
14	a	833	CLA	CHC-C1C	4.66	1.47	1.38
14	B	827	CLA	CHC-C1C	4.66	1.47	1.38
14	B	831	CLA	CHD-C1D	4.66	1.47	1.38
14	b	806	CLA	CHC-C1C	4.66	1.47	1.38
14	a	806	CLA	CHC-C1C	4.66	1.47	1.38
14	a	817	CLA	CHD-C1D	4.66	1.47	1.38
14	G	807	CLA	CHC-C1C	4.66	1.47	1.38
14	A	815	CLA	CHC-C1C	4.66	1.47	1.38
14	A	817	CLA	CHC-C1C	4.65	1.47	1.38
14	b	819	CLA	CHC-C1C	4.65	1.47	1.38
14	B	804	CLA	CHC-C1C	4.65	1.47	1.38
14	H	808	CLA	CHC-C1C	4.65	1.47	1.38
16	B	849	BCR	C10-C9	-4.65	1.25	1.35
14	Q	201	CLA	C3C-C2C	4.65	1.46	1.36
14	a	814	CLA	CHC-C1C	4.65	1.47	1.38
14	A	806	CLA	CHC-C1C	4.65	1.47	1.38
14	B	826	CLA	CHC-C1C	4.65	1.47	1.38
14	H	841	CLA	CHC-C1C	4.65	1.47	1.38
14	a	816	CLA	CHC-C1C	4.65	1.47	1.38
14	K	1401	CLA	CHC-C1C	4.65	1.47	1.38
14	b	816	CLA	CHD-C1D	4.65	1.47	1.38
14	K	1401	CLA	CHD-C1D	4.65	1.47	1.38
14	T	101	CLA	CHD-C1D	4.65	1.47	1.38
14	B	808	CLA	CHC-C1C	4.65	1.47	1.38
14	G	833	CLA	CHC-C1C	4.65	1.47	1.38
14	a	842	CLA	CHC-C1C	4.65	1.47	1.38
14	b	820	CLA	CHD-C1D	4.65	1.47	1.38
14	H	813	CLA	CHD-C1D	4.64	1.47	1.38
15	H	843	PQN	C10-C5	4.64	1.48	1.40
14	A	842	CLA	CHC-C1C	4.64	1.47	1.38
14	a	829	CLA	CHC-C1C	4.64	1.47	1.38
14	H	803	CLA	CHC-C1C	4.64	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	1302	CLA	CHC-C1C	4.64	1.47	1.38
14	H	809	CLA	CHC-C1C	4.64	1.47	1.38
14	B	831	CLA	C3D-C4D	-4.64	1.33	1.44
14	k	102	CLA	CHD-C1D	4.64	1.47	1.38
14	A	802	CLA	CHC-C1C	4.64	1.47	1.38
14	B	841	CLA	CHC-C1C	4.64	1.47	1.38
14	b	839	CLA	CHC-C1C	4.64	1.47	1.38
14	H	832	CLA	C3D-C4D	-4.63	1.33	1.44
16	G	847	BCR	C10-C9	-4.63	1.25	1.35
14	T	101	CLA	CHC-C1C	4.63	1.47	1.38
14	B	821	CLA	CHD-C1D	4.63	1.47	1.38
14	B	820	CLA	CHC-C1C	4.63	1.47	1.38
16	S	104	BCR	C10-C9	-4.63	1.25	1.35
14	a	826	CLA	C3D-C4D	-4.63	1.33	1.44
14	k	101	CLA	CHD-C1D	4.63	1.47	1.38
14	T	102	CLA	CHD-C1D	4.63	1.47	1.38
14	A	817	CLA	CHD-C1D	4.63	1.47	1.38
14	a	825	CLA	CHC-C1C	4.63	1.47	1.38
14	b	817	CLA	CHC-C1C	4.63	1.47	1.38
14	b	803	CLA	CHC-C1C	4.62	1.47	1.38
14	b	830	CLA	CHC-C1C	4.62	1.47	1.38
14	A	841	CLA	CHD-C1D	4.62	1.47	1.38
14	H	822	CLA	CHC-C1C	4.62	1.47	1.38
14	A	833	CLA	CHC-C1C	4.62	1.47	1.38
14	k	102	CLA	CHC-C1C	4.62	1.47	1.38
14	a	838	CLA	CHC-C1C	4.62	1.47	1.38
14	b	824	CLA	CHC-C1C	4.61	1.47	1.38
14	G	819	CLA	CHC-C1C	4.61	1.47	1.38
14	b	834	CLA	CHD-C1D	4.61	1.47	1.38
14	A	829	CLA	CHC-C1C	4.61	1.47	1.38
14	G	817	CLA	CHC-C1C	4.61	1.47	1.38
16	A	848	BCR	C10-C9	-4.61	1.25	1.35
14	j	1303	CLA	CHD-C1D	4.61	1.47	1.38
14	b	805	CLA	CHC-C1C	4.61	1.47	1.38
14	b	801	CLA	C3C-C2C	4.61	1.46	1.36
14	A	808	CLA	CHC-C1C	4.61	1.47	1.38
14	a	802	CLA	CHC-C1C	4.61	1.47	1.38
14	b	822	CLA	CHC-C1C	4.61	1.47	1.38
14	G	811	CLA	CHC-C1C	4.60	1.47	1.38
14	G	841	CLA	CHC-C1C	4.60	1.47	1.38
14	a	818	CLA	CHD-C1D	4.60	1.47	1.38
14	H	836	CLA	CHD-C1D	4.60	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	805	CLA	CHC-C1C	4.60	1.47	1.38
14	S	102	CLA	CHD-C1D	4.60	1.47	1.38
14	A	825	CLA	CHC-C1C	4.60	1.47	1.38
14	G	825	CLA	CHC-C1C	4.60	1.47	1.38
14	H	827	CLA	C3D-C4D	-4.60	1.33	1.44
14	B	833	CLA	CHC-C1C	4.60	1.47	1.38
14	b	813	CLA	CHC-C1C	4.60	1.47	1.38
14	B	822	CLA	CHC-C1C	4.60	1.47	1.38
14	T	102	CLA	CHC-C1C	4.60	1.47	1.38
14	G	808	CLA	CHD-C1D	4.59	1.47	1.38
14	B	837	CLA	CHD-C1D	4.59	1.47	1.38
14	S	101	CLA	CHD-C1D	4.59	1.47	1.38
14	J	1303	CLA	CHC-C1C	4.59	1.47	1.38
14	B	804	CLA	CHD-C1D	4.59	1.47	1.38
14	j	1301	CLA	CHC-C1C	4.59	1.47	1.38
14	G	830	CLA	CHC-C1C	4.59	1.47	1.38
14	B	823	CLA	CHD-C1D	4.59	1.47	1.38
14	S	102	CLA	CHC-C1C	4.59	1.47	1.38
14	H	837	CLA	CHD-C1D	4.59	1.47	1.38
14	B	836	CLA	CHD-C1D	4.59	1.47	1.38
14	H	818	CLA	CHD-C1D	4.59	1.47	1.38
14	H	830	CLA	CHD-C1D	4.59	1.47	1.38
14	H	839	CLA	CHC-C1C	4.59	1.47	1.38
14	b	825	CLA	CHC-C1C	4.59	1.47	1.38
14	b	818	CLA	C3C-C2C	4.59	1.46	1.36
14	A	811	CLA	CHC-C1C	4.58	1.47	1.38
14	A	814	CLA	CHC-C1C	4.58	1.47	1.38
14	Q	202	CLA	CHC-C1C	4.58	1.47	1.38
14	b	835	CLA	CHD-C1D	4.58	1.47	1.38
14	a	804	CLA	O2D-CGD	4.58	1.44	1.33
14	B	803	CLA	CHC-C1C	4.58	1.47	1.38
16	B	852	BCR	C10-C9	-4.58	1.25	1.35
14	l	204	CLA	CHC-C1C	4.58	1.47	1.38
14	G	802	CLA	CHC-C1C	4.58	1.47	1.38
14	k	101	CLA	CHC-C1C	4.58	1.47	1.38
14	H	804	CLA	CHD-C1D	4.58	1.47	1.38
14	G	829	CLA	C3C-C2C	4.58	1.46	1.36
14	H	804	CLA	CHC-C1C	4.58	1.47	1.38
14	L	205	CLA	CHC-C1C	4.58	1.47	1.38
14	J	1303	CLA	CHD-C1D	4.58	1.47	1.38
14	G	803	CLA	O2D-CGD	4.58	1.44	1.33
14	G	815	CLA	C3C-C2C	4.58	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	1701	CLA	CHC-C1C	4.58	1.47	1.38
14	H	825	CLA	CHC-C1C	4.58	1.47	1.38
14	a	829	CLA	C3C-C2C	4.58	1.46	1.36
14	U	206	CLA	CHC-C1C	4.57	1.47	1.38
14	G	804	CLA	CHC-C1C	4.57	1.47	1.38
14	M	1601	CLA	CHC-C1C	4.57	1.47	1.38
14	A	818	CLA	CHD-C1D	4.57	1.47	1.38
14	A	815	CLA	C3C-C2C	4.57	1.46	1.36
14	x	1701	CLA	CHC-C1C	4.57	1.47	1.38
16	U	202	BCR	C10-C9	-4.57	1.25	1.35
14	a	815	CLA	CHC-C1C	4.57	1.47	1.38
14	J	1302	CLA	CHD-C1D	4.57	1.47	1.38
14	B	801	CLA	C3C-C2C	4.57	1.46	1.36
14	B	809	CLA	CHC-C1C	4.57	1.47	1.38
16	J	1305	BCR	C10-C9	-4.57	1.25	1.35
15	B	843	PQN	C10-C5	4.57	1.48	1.40
14	B	838	CLA	C3C-C2C	4.57	1.46	1.36
14	b	827	CLA	CHD-C1D	4.57	1.47	1.38
14	b	828	CLA	CHD-C1D	4.57	1.47	1.38
14	a	853	CLA	C1D-ND	-4.57	1.31	1.37
14	A	819	CLA	CHC-C1C	4.57	1.47	1.38
14	a	823	CLA	CHC-C1C	4.57	1.47	1.38
14	B	818	CLA	CHD-C1D	4.56	1.47	1.38
14	G	826	CLA	CHD-C1D	4.56	1.47	1.38
14	G	835	CLA	C3C-C2C	4.56	1.46	1.36
16	a	846	BCR	C10-C9	-4.56	1.25	1.35
14	a	807	CLA	CHC-C1C	4.56	1.47	1.38
14	B	816	CLA	CHC-C1C	4.56	1.47	1.38
14	b	826	CLA	CHC-C1C	4.56	1.47	1.38
14	a	830	CLA	CHC-C1C	4.56	1.47	1.38
14	B	821	CLA	C3C-C2C	4.56	1.46	1.36
14	G	823	CLA	CHC-C1C	4.56	1.47	1.38
14	H	837	CLA	CHC-C1C	4.56	1.47	1.38
14	G	838	CLA	CHD-C1D	4.56	1.47	1.38
14	a	815	CLA	C3C-C2C	4.56	1.46	1.36
14	k	102	CLA	C3C-C2C	4.56	1.46	1.36
14	H	833	CLA	CHC-C1C	4.56	1.47	1.38
14	B	825	CLA	CHC-C1C	4.55	1.47	1.38
14	J	1301	CLA	CHC-C1C	4.55	1.47	1.38
14	B	801	CLA	CHD-C4C	4.55	1.49	1.39
14	b	815	CLA	CHD-C1D	4.55	1.47	1.38
14	a	811	CLA	CHC-C1C	4.55	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	817	CLA	C3C-C2C	4.55	1.46	1.36
14	j	1303	CLA	CHC-C1C	4.55	1.47	1.38
14	H	823	CLA	CHD-C1D	4.55	1.47	1.38
14	W	1701	CLA	CHC-C1C	4.55	1.47	1.38
14	B	818	CLA	CHC-C1C	4.55	1.47	1.38
14	b	835	CLA	CHC-C1C	4.55	1.47	1.38
14	H	831	CLA	C3D-C4D	-4.55	1.34	1.44
14	b	815	CLA	CHC-C1C	4.55	1.47	1.38
14	F	201	CLA	C3C-C2C	4.54	1.46	1.36
14	a	838	CLA	CHD-C1D	4.54	1.47	1.38
14	m	1202	CLA	CHC-C1C	4.54	1.47	1.38
14	A	835	CLA	C3C-C2C	4.54	1.46	1.36
14	A	815	CLA	CHD-C1D	4.54	1.47	1.38
14	G	814	CLA	CHC-C1C	4.54	1.47	1.38
14	G	808	CLA	C3C-C2C	4.54	1.46	1.36
14	B	823	CLA	C3C-C2C	4.54	1.46	1.36
14	G	820	CLA	C3C-C2C	4.54	1.46	1.36
14	B	801	CLA	C3D-C4D	-4.54	1.34	1.44
14	a	819	CLA	CHD-C1D	4.54	1.47	1.38
14	M	1601	CLA	C3C-C2C	4.54	1.46	1.36
14	A	834	CLA	O2D-CGD	4.53	1.44	1.33
16	j	1305	BCR	C10-C9	-4.53	1.25	1.35
14	A	837	CLA	CHD-C1D	4.53	1.47	1.38
14	a	831	CLA	CHD-C1D	4.53	1.47	1.38
14	B	819	CLA	CHD-C1D	4.53	1.47	1.38
14	A	829	CLA	C3C-C2C	4.53	1.46	1.36
14	l	203	CLA	CHC-C1C	4.53	1.47	1.38
14	b	836	CLA	CHD-C1D	4.53	1.47	1.38
14	H	821	CLA	CHC-C1C	4.52	1.47	1.38
14	B	809	CLA	C3C-C2C	4.52	1.46	1.36
14	a	837	CLA	CHD-C1D	4.52	1.47	1.38
14	V	1601	CLA	CHC-C1C	4.52	1.47	1.38
14	a	820	CLA	C3C-C2C	4.52	1.46	1.36
14	b	804	CLA	CHC-C1C	4.52	1.47	1.38
14	j	1302	CLA	CHD-C1D	4.52	1.47	1.38
14	B	830	CLA	CHD-C1D	4.52	1.47	1.38
14	b	828	CLA	CHC-C1C	4.52	1.47	1.38
14	G	825	CLA	C3C-C2C	4.52	1.46	1.36
14	A	831	CLA	CHD-C1D	4.52	1.47	1.38
16	H	852	BCR	C10-C9	-4.52	1.25	1.35
16	b	847	BCR	C10-C9	-4.52	1.25	1.35
14	G	810	CLA	CHD-C1D	4.52	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	CHD-C1D	4.52	1.47	1.38
14	B	824	CLA	CHD-C1D	4.51	1.47	1.38
14	B	827	CLA	C3C-C2C	4.51	1.46	1.36
14	m	1202	CLA	C3C-C2C	4.51	1.46	1.36
14	H	830	CLA	C3C-C2C	4.51	1.46	1.36
14	a	805	CLA	CHC-C1C	4.51	1.47	1.38
14	B	840	CLA	CHC-C1C	4.51	1.47	1.38
14	B	813	CLA	CHD-C1D	4.51	1.47	1.38
14	B	816	CLA	C3D-C4D	-4.51	1.34	1.44
16	L	202	BCR	C10-C9	-4.51	1.25	1.35
14	b	810	CLA	CHD-C1D	4.51	1.47	1.38
14	B	828	CLA	CHD-C1D	4.51	1.47	1.38
14	B	831	CLA	CHC-C1C	4.51	1.47	1.38
14	b	811	CLA	CHD-C1D	4.51	1.47	1.38
16	H	849	BCR	C10-C9	-4.51	1.25	1.35
14	H	834	CLA	CHC-C1C	4.51	1.47	1.38
14	A	817	CLA	C3C-C2C	4.51	1.46	1.36
14	a	817	CLA	C3C-C2C	4.51	1.46	1.36
14	b	822	CLA	CHD-C1D	4.51	1.47	1.38
14	K	1401	CLA	C3C-C2C	4.51	1.46	1.36
14	H	816	CLA	CHC-C1C	4.51	1.47	1.38
14	b	838	CLA	CHC-C1C	4.51	1.47	1.38
14	G	811	CLA	CHD-C1D	4.51	1.47	1.38
14	L	204	CLA	CHC-C1C	4.51	1.47	1.38
14	b	803	CLA	C3C-C2C	4.51	1.46	1.36
14	b	828	CLA	C3C-C2C	4.51	1.46	1.36
14	A	816	CLA	CHD-C1D	4.50	1.47	1.38
14	B	810	CLA	CHC-C1C	4.50	1.47	1.38
14	b	839	CLA	C3D-C4D	-4.50	1.34	1.44
14	G	818	CLA	CHD-C1D	4.50	1.47	1.38
14	H	824	CLA	CHD-C1D	4.50	1.47	1.38
14	b	837	CLA	CHC-C1C	4.50	1.47	1.38
14	G	837	CLA	CHD-C1D	4.50	1.47	1.38
14	G	810	CLA	C3D-C4D	-4.50	1.34	1.44
16	l	201	BCR	C10-C9	-4.50	1.25	1.35
14	H	809	CLA	C3C-C2C	4.50	1.46	1.36
14	H	835	CLA	CHD-C1D	4.50	1.47	1.38
14	B	830	CLA	C3C-C2C	4.50	1.46	1.36
14	a	835	CLA	CHC-C1C	4.50	1.47	1.38
14	B	837	CLA	CHC-C1C	4.50	1.47	1.38
14	T	102	CLA	C3C-C2C	4.50	1.46	1.36
14	A	812	CLA	C3C-C2C	4.50	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	201	CLA	CHD-C1D	4.49	1.47	1.38
14	b	803	CLA	C3D-C4D	-4.49	1.34	1.44
14	G	833	CLA	CHD-C1D	4.49	1.47	1.38
14	H	814	CLA	CHD-C1D	4.49	1.47	1.38
14	G	826	CLA	C3C-C2C	4.49	1.46	1.36
14	b	809	CLA	CHD-C1D	4.49	1.47	1.38
14	A	823	CLA	CHC-C1C	4.49	1.47	1.38
14	b	832	CLA	CHC-C1C	4.49	1.47	1.38
14	b	816	CLA	C3D-C4D	-4.49	1.34	1.44
14	G	831	CLA	CHC-C1C	4.49	1.47	1.38
14	H	823	CLA	CHC-C1C	4.49	1.47	1.38
14	a	811	CLA	C3C-C2C	4.49	1.46	1.36
14	H	806	CLA	O2D-CGD	4.49	1.44	1.33
14	b	825	CLA	CHD-C1D	4.49	1.47	1.38
14	j	1301	CLA	C3C-C2C	4.49	1.46	1.36
14	a	816	CLA	CHD-C1D	4.49	1.47	1.38
14	A	803	CLA	C3D-C4D	-4.49	1.34	1.44
14	V	1601	CLA	C3C-C2C	4.49	1.46	1.36
14	b	818	CLA	CHC-C1C	4.49	1.47	1.38
14	a	816	CLA	C3C-C2C	4.49	1.46	1.36
14	a	826	CLA	C3C-C2C	4.48	1.46	1.36
14	G	810	CLA	CHC-C1C	4.48	1.47	1.38
14	B	834	CLA	CHD-C1D	4.48	1.47	1.38
14	B	803	CLA	C3C-C2C	4.48	1.46	1.36
14	B	833	CLA	C3C-C2C	4.48	1.46	1.36
14	U	205	CLA	CHC-C1C	4.48	1.47	1.38
14	B	831	CLA	C3C-C2C	4.48	1.46	1.36
14	a	808	CLA	CHC-C1C	4.48	1.47	1.38
14	G	835	CLA	CHC-C1C	4.48	1.47	1.38
14	a	825	CLA	C3C-C2C	4.48	1.46	1.36
14	A	823	CLA	CHD-C1D	4.48	1.47	1.38
14	G	827	CLA	CHD-C1D	4.48	1.47	1.38
14	b	801	CLA	C3D-C4D	-4.48	1.34	1.44
14	H	821	CLA	CHD-C1D	4.48	1.47	1.38
14	A	802	CLA	CHD-C1D	4.48	1.47	1.38
14	H	817	CLA	CHD-C1D	4.48	1.47	1.38
14	b	811	CLA	C3C-C2C	4.48	1.46	1.36
14	X	1701	CLA	C3C-C2C	4.48	1.46	1.36
14	A	835	CLA	CHC-C1C	4.48	1.47	1.38
14	b	807	CLA	CHD-C1D	4.47	1.47	1.38
14	H	840	CLA	CHC-C1C	4.47	1.47	1.38
14	H	819	CLA	CHD-C1D	4.47	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	841	CLA	CHC-C1C	4.47	1.47	1.38
14	U	207	CLA	CHD-C1D	4.47	1.47	1.38
14	A	838	CLA	CHD-C1D	4.47	1.47	1.38
14	B	839	CLA	CHC-C1C	4.47	1.47	1.38
14	F	201	CLA	CHC-C1C	4.47	1.47	1.38
14	A	810	CLA	CHD-C1D	4.47	1.47	1.38
14	B	823	CLA	CHC-C1C	4.47	1.47	1.38
14	G	831	CLA	CHD-C1D	4.47	1.47	1.38
14	G	808	CLA	CHC-C1C	4.47	1.47	1.38
14	H	816	CLA	CHD-C1D	4.47	1.47	1.38
14	A	826	CLA	C3D-C4D	-4.47	1.34	1.44
14	B	814	CLA	CHD-C1D	4.47	1.47	1.38
14	H	807	CLA	CHD-C1D	4.47	1.47	1.38
14	b	816	CLA	C3C-C2C	4.47	1.46	1.36
16	H	850	BCR	C10-C9	-4.47	1.25	1.35
14	G	836	CLA	CHC-C1C	4.47	1.47	1.38
14	B	836	CLA	CHC-C1C	4.47	1.47	1.38
14	A	819	CLA	CHD-C1D	4.47	1.47	1.38
14	H	833	CLA	C3C-C2C	4.46	1.46	1.36
14	b	814	CLA	CHC-C1C	4.46	1.47	1.38
14	b	825	CLA	C3C-C2C	4.46	1.46	1.36
14	A	822	CLA	CHD-C1D	4.46	1.47	1.38
14	H	817	CLA	CHC-C1C	4.46	1.47	1.38
14	B	818	CLA	C3C-C2C	4.46	1.46	1.36
14	J	1302	CLA	C3C-C2C	4.46	1.46	1.36
14	B	825	CLA	CHD-C1D	4.46	1.47	1.38
14	H	828	CLA	CHD-C1D	4.46	1.47	1.38
14	b	806	CLA	C3C-C2C	4.46	1.46	1.36
14	b	830	CLA	C3C-C2C	4.46	1.46	1.36
14	A	811	CLA	CHD-C1D	4.46	1.47	1.38
14	a	825	CLA	O2D-CGD	4.46	1.44	1.33
14	B	814	CLA	C3C-C2C	4.46	1.46	1.36
14	B	838	CLA	CHD-C1D	4.46	1.47	1.38
14	M	1601	CLA	CHD-C1D	4.46	1.47	1.38
14	a	812	CLA	O2D-CGD	4.45	1.44	1.33
14	a	836	CLA	CHC-C1C	4.45	1.47	1.38
14	A	834	CLA	C3C-C2C	4.45	1.46	1.36
14	H	822	CLA	C3C-C2C	4.45	1.46	1.36
14	L	206	CLA	C3C-C2C	4.45	1.46	1.36
14	B	803	CLA	CHD-C1D	4.45	1.47	1.38
14	B	807	CLA	CHD-C1D	4.45	1.47	1.38
14	H	819	CLA	C3C-C2C	4.45	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	808	CLA	CHD-C1D	4.45	1.47	1.38
14	H	826	CLA	O2D-CGD	4.45	1.44	1.33
14	B	817	CLA	CHC-C1C	4.45	1.47	1.38
14	b	827	CLA	C3C-C2C	4.45	1.46	1.36
14	b	810	CLA	CHC-C1C	4.45	1.47	1.38
14	G	832	CLA	CHD-C1D	4.45	1.47	1.38
14	a	819	CLA	C3C-C2C	4.45	1.46	1.36
14	G	821	CLA	CHD-C1D	4.45	1.47	1.38
14	H	807	CLA	C3C-C2C	4.45	1.46	1.36
14	H	825	CLA	CHD-C1D	4.45	1.47	1.38
14	H	830	CLA	C3D-C4D	-4.45	1.34	1.44
14	H	825	CLA	C3C-C2C	4.45	1.46	1.36
14	A	811	CLA	C3C-C2C	4.45	1.46	1.36
14	b	821	CLA	C3C-C2C	4.45	1.46	1.36
14	b	820	CLA	CHC-C1C	4.45	1.47	1.38
14	B	803	CLA	C3D-C4D	-4.45	1.34	1.44
14	H	803	CLA	CHD-C1D	4.45	1.47	1.38
14	A	834	CLA	CHD-C1D	4.45	1.47	1.38
14	G	851	CLA	C1D-ND	-4.45	1.32	1.37
14	a	827	CLA	CHD-C1D	4.44	1.47	1.38
14	a	835	CLA	CHD-C1D	4.44	1.47	1.38
14	G	812	CLA	O2D-CGD	4.44	1.44	1.33
14	H	838	CLA	C3C-C2C	4.44	1.46	1.36
14	H	801	CLA	C1B-NB	-4.44	1.32	1.37
14	L	204	CLA	C3C-C2C	4.44	1.46	1.36
14	V	1601	CLA	CHD-C1D	4.44	1.47	1.38
14	A	836	CLA	CHC-C1C	4.44	1.47	1.38
14	b	807	CLA	CHC-C1C	4.44	1.47	1.38
14	b	834	CLA	CHC-C1C	4.44	1.47	1.38
14	l	205	CLA	CHD-C1D	4.44	1.47	1.38
14	H	802	CLA	C3D-C4D	-4.44	1.34	1.44
14	B	832	CLA	CHD-C1D	4.44	1.47	1.38
13	G	801	CL0	C3D-C4D	-4.44	1.34	1.44
14	b	801	CLA	CHD-C4C	4.44	1.49	1.39
14	H	803	CLA	C3D-C4D	-4.44	1.34	1.44
14	G	811	CLA	C3C-C2C	4.44	1.46	1.36
14	a	823	CLA	CHD-C1D	4.44	1.47	1.38
14	B	834	CLA	C3C-C2C	4.44	1.46	1.36
14	H	824	CLA	C3C-C2C	4.44	1.46	1.36
14	H	829	CLA	CHC-C1C	4.44	1.47	1.38
14	a	842	CLA	CHD-C1D	4.44	1.47	1.38
14	b	821	CLA	CHD-C1D	4.44	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	813	CLA	CHD-C1D	4.44	1.47	1.38
14	H	840	CLA	C3D-C4D	-4.44	1.34	1.44
14	b	827	CLA	C3D-C4D	-4.44	1.34	1.44
14	b	839	CLA	CHD-C1D	4.44	1.47	1.38
16	G	846	BCR	C10-C9	-4.44	1.25	1.35
14	G	825	CLA	CHD-C1D	4.43	1.47	1.38
14	B	810	CLA	CHD-C1D	4.43	1.47	1.38
14	G	816	CLA	C3C-C2C	4.43	1.46	1.36
14	G	809	CLA	CHC-C1C	4.43	1.47	1.38
14	B	812	CLA	CHD-C1D	4.43	1.47	1.38
14	H	836	CLA	CHC-C1C	4.43	1.47	1.38
14	H	818	CLA	CHC-C1C	4.43	1.47	1.38
14	B	840	CLA	C3D-C4D	-4.43	1.34	1.44
14	a	811	CLA	CHD-C1D	4.43	1.47	1.38
14	J	1301	CLA	C3C-C2C	4.43	1.46	1.36
14	b	838	CLA	C3D-C4D	-4.43	1.34	1.44
16	A	847	BCR	C10-C9	-4.43	1.25	1.35
14	A	827	CLA	CHD-C1D	4.43	1.47	1.38
14	m	1202	CLA	CHD-C1D	4.43	1.47	1.38
14	H	808	CLA	C3D-C4D	-4.43	1.34	1.44
14	b	818	CLA	CHD-C1D	4.43	1.47	1.38
14	A	831	CLA	CHC-C1C	4.43	1.47	1.38
14	a	822	CLA	CHC-C1C	4.43	1.47	1.38
14	a	824	CLA	CHC-C1C	4.43	1.47	1.38
14	G	834	CLA	C3C-C2C	4.43	1.46	1.36
14	a	822	CLA	C3C-C2C	4.43	1.46	1.36
14	B	828	CLA	CHC-C1C	4.43	1.47	1.38
14	A	808	CLA	CHD-C1D	4.43	1.47	1.38
14	b	802	CLA	C3D-C4D	-4.43	1.34	1.44
14	H	814	CLA	C3C-C2C	4.43	1.46	1.36
14	B	823	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	802	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	813	CLA	CHC-C1C	4.43	1.47	1.38
14	G	802	CLA	CHD-C1D	4.43	1.47	1.38
14	H	806	CLA	CHC-C1C	4.43	1.47	1.38
14	B	819	CLA	C3C-C2C	4.43	1.46	1.36
14	U	205	CLA	C3C-C2C	4.43	1.46	1.36
14	a	834	CLA	C3C-C2C	4.42	1.46	1.36
14	b	831	CLA	CHD-C1D	4.42	1.47	1.38
14	G	822	CLA	CHD-C1D	4.42	1.47	1.38
14	b	822	CLA	C3C-C2C	4.42	1.46	1.36
14	H	810	CLA	CHC-C1C	4.42	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	205	CLA	C3C-C2C	4.42	1.46	1.36
14	B	824	CLA	C3C-C2C	4.42	1.46	1.36
14	B	830	CLA	C3D-C4D	-4.42	1.34	1.44
14	a	810	CLA	CHD-C1D	4.42	1.47	1.38
14	H	818	CLA	C3C-C2C	4.42	1.46	1.36
14	A	819	CLA	C3D-C4D	-4.42	1.34	1.44
14	a	853	CLA	CHC-C1C	4.42	1.47	1.38
14	A	822	CLA	C3C-C2C	4.42	1.46	1.36
14	b	836	CLA	C3C-C2C	4.42	1.46	1.36
14	G	832	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	824	CLA	CHC-C1C	4.42	1.47	1.38
14	A	813	CLA	C3C-C2C	4.42	1.46	1.36
14	k	101	CLA	C3C-C2C	4.42	1.46	1.36
14	H	822	CLA	C1D-ND	-4.42	1.32	1.37
14	b	803	CLA	CHD-C1D	4.42	1.47	1.38
14	l	203	CLA	C3C-C2C	4.42	1.46	1.36
14	x	1701	CLA	C3C-C2C	4.42	1.46	1.36
14	B	822	CLA	C3C-C2C	4.42	1.46	1.36
14	b	839	CLA	C3C-C2C	4.42	1.46	1.36
14	A	816	CLA	C3C-C2C	4.41	1.46	1.36
14	G	822	CLA	CHC-C1C	4.41	1.47	1.38
14	a	812	CLA	C3C-C2C	4.41	1.46	1.36
14	G	819	CLA	C3C-C2C	4.41	1.46	1.36
14	B	841	CLA	C3C-C2C	4.41	1.46	1.36
14	A	822	CLA	CHC-C1C	4.41	1.47	1.38
14	H	813	CLA	C3C-C2C	4.41	1.46	1.36
14	A	842	CLA	CHD-C1D	4.41	1.47	1.38
14	B	835	CLA	CHD-C1D	4.41	1.47	1.38
14	G	819	CLA	C3D-C4D	-4.41	1.34	1.44
14	a	813	CLA	C3C-C2C	4.41	1.46	1.36
14	b	819	CLA	C3C-C2C	4.41	1.46	1.36
14	a	808	CLA	C3C-C2C	4.41	1.46	1.36
14	B	825	CLA	C3C-C2C	4.41	1.46	1.36
14	H	805	CLA	C3C-C2C	4.41	1.46	1.36
14	b	815	CLA	C3C-C2C	4.41	1.46	1.36
14	A	825	CLA	C3C-C2C	4.41	1.46	1.36
14	B	829	CLA	C3D-C4D	-4.40	1.34	1.44
14	b	817	CLA	C3C-C2C	4.40	1.46	1.36
14	A	825	CLA	CHD-C1D	4.40	1.47	1.38
14	a	819	CLA	C3D-C4D	-4.40	1.34	1.44
14	B	828	CLA	C3C-C2C	4.40	1.46	1.36
14	A	839	CLA	C3D-C4D	-4.40	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	810	CLA	C3C-C2C	4.40	1.46	1.36
14	H	806	CLA	C3D-C4D	-4.40	1.34	1.44
14	a	821	CLA	C3D-C4D	-4.40	1.34	1.44
14	B	834	CLA	CHC-C1C	4.40	1.47	1.38
14	A	810	CLA	CHC-C1C	4.40	1.47	1.38
14	W	1701	CLA	C3C-C2C	4.40	1.46	1.36
14	A	810	CLA	C3D-C4D	-4.40	1.34	1.44
14	H	828	CLA	CHC-C1C	4.40	1.47	1.38
14	b	831	CLA	C3C-C2C	4.40	1.46	1.36
14	H	820	CLA	C3C-C2C	4.40	1.46	1.36
14	a	809	CLA	CHC-C1C	4.40	1.47	1.38
14	b	809	CLA	C3D-C4D	-4.40	1.34	1.44
14	G	823	CLA	CHD-C1D	4.40	1.47	1.38
14	H	829	CLA	CHD-C1D	4.40	1.47	1.38
14	G	841	CLA	CHD-C1D	4.39	1.47	1.38
14	L	205	CLA	C3D-C4D	-4.39	1.34	1.44
16	a	847	BCR	C10-C9	-4.39	1.25	1.35
14	G	831	CLA	C3C-C2C	4.39	1.46	1.36
14	B	820	CLA	C3C-C2C	4.39	1.46	1.36
13	G	801	CL0	CHC-C1C	4.39	1.47	1.38
14	B	838	CLA	CHC-C1C	4.39	1.47	1.38
14	S	101	CLA	C3C-C2C	4.39	1.46	1.36
16	j	1304	BCR	C10-C9	-4.39	1.25	1.35
14	H	827	CLA	C3C-C2C	4.39	1.46	1.36
14	m	1201	CLA	C3C-C2C	4.39	1.46	1.36
14	A	813	CLA	CHD-C1D	4.39	1.47	1.38
14	a	825	CLA	CHD-C1D	4.39	1.47	1.38
16	J	1304	BCR	C10-C9	-4.39	1.25	1.35
14	H	828	CLA	C3C-C2C	4.39	1.46	1.36
14	a	834	CLA	CHD-C1D	4.39	1.47	1.38
14	G	822	CLA	C3C-C2C	4.39	1.46	1.36
14	b	804	CLA	C3D-C4D	-4.39	1.34	1.44
14	G	813	CLA	C3C-C2C	4.39	1.46	1.36
14	a	831	CLA	C3C-C2C	4.39	1.46	1.36
13	a	801	CL0	CHC-C1C	4.39	1.47	1.38
14	a	821	CLA	CHC-C1C	4.39	1.47	1.38
14	A	832	CLA	CHD-C1D	4.38	1.47	1.38
14	A	819	CLA	C3C-C2C	4.38	1.46	1.36
14	b	830	CLA	CHD-C1D	4.38	1.47	1.38
14	B	833	CLA	CHD-C1D	4.38	1.47	1.38
14	G	840	CLA	CHC-C1C	4.38	1.47	1.38
14	a	818	CLA	CHC-C1C	4.38	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	101	CLA	C3C-C2C	4.38	1.46	1.36
14	a	833	CLA	C3C-C2C	4.38	1.46	1.36
14	B	812	CLA	C3D-C4D	-4.38	1.34	1.44
14	H	821	CLA	C3C-C2C	4.38	1.46	1.36
14	B	837	CLA	C3C-C2C	4.38	1.46	1.36
14	B	817	CLA	CHD-C1D	4.38	1.47	1.38
14	J	1303	CLA	C3C-C2C	4.38	1.46	1.36
14	G	802	CLA	C3C-C2C	4.38	1.46	1.36
14	b	829	CLA	CHD-C1D	4.38	1.47	1.38
14	H	841	CLA	C3C-C2C	4.38	1.46	1.36
14	j	1303	CLA	C3C-C2C	4.38	1.46	1.36
13	A	801	CL0	CHD-C1D	4.38	1.47	1.38
14	B	832	CLA	CHC-C1C	4.38	1.47	1.38
14	A	805	CLA	C3C-C2C	4.38	1.46	1.36
14	B	839	CLA	C3C-C2C	4.38	1.46	1.36
14	B	807	CLA	C3C-C2C	4.38	1.46	1.36
14	A	812	CLA	C3D-C4D	-4.37	1.34	1.44
14	a	805	CLA	C3C-C2C	4.37	1.46	1.36
14	G	834	CLA	CHD-C1D	4.37	1.47	1.38
14	A	831	CLA	C3C-C2C	4.37	1.46	1.36
14	G	810	CLA	C3C-C2C	4.37	1.46	1.36
14	B	825	CLA	C3D-C4D	-4.37	1.34	1.44
14	B	806	CLA	CHC-C1C	4.37	1.47	1.38
14	a	831	CLA	CHC-C1C	4.37	1.47	1.38
16	Q	203	BCR	C10-C9	-4.37	1.25	1.35
14	m	1201	CLA	CHD-C1D	4.37	1.46	1.38
14	H	826	CLA	C3D-C2D	4.37	1.50	1.39
14	A	802	CLA	C3C-C2C	4.37	1.46	1.36
14	G	806	CLA	C3C-C2C	4.37	1.46	1.36
14	b	835	CLA	C3C-C2C	4.37	1.46	1.36
14	H	842	CLA	CHC-C1C	4.37	1.47	1.38
14	b	822	CLA	C3D-C4D	-4.37	1.34	1.44
14	H	837	CLA	C3C-C2C	4.37	1.46	1.36
14	a	837	CLA	C3D-C4D	-4.37	1.34	1.44
14	A	821	CLA	CHC-C1C	4.37	1.47	1.38
14	H	834	CLA	CHD-C1D	4.37	1.46	1.38
14	A	818	CLA	CHC-C1C	4.37	1.47	1.38
14	A	832	CLA	CHC-C1C	4.37	1.47	1.38
14	G	806	CLA	CHD-C1D	4.37	1.46	1.38
14	S	102	CLA	C3C-C2C	4.37	1.46	1.36
14	a	837	CLA	CHC-C1C	4.37	1.47	1.38
14	a	822	CLA	CHD-C1D	4.37	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	810	CLA	CHD-C1D	4.37	1.46	1.38
16	a	849	BCR	C10-C9	-4.37	1.25	1.35
14	H	832	CLA	CHD-C1D	4.37	1.46	1.38
14	a	812	CLA	C3D-C4D	-4.37	1.34	1.44
14	U	207	CLA	C3C-C2C	4.37	1.46	1.36
14	B	805	CLA	CHC-C1C	4.37	1.47	1.38
14	j	1302	CLA	C3C-C2C	4.37	1.46	1.36
14	a	820	CLA	CHD-C1D	4.37	1.46	1.38
14	b	831	CLA	CHC-C1C	4.36	1.47	1.38
14	b	824	CLA	C3C-C2C	4.36	1.46	1.36
14	L	206	CLA	CHD-C1D	4.36	1.46	1.38
14	a	828	CLA	CHC-C1C	4.36	1.47	1.38
14	Q	202	CLA	C3C-C2C	4.36	1.46	1.36
14	b	832	CLA	CHD-C1D	4.36	1.46	1.38
14	a	820	CLA	C3D-C4D	-4.36	1.34	1.44
13	a	801	CL0	CHD-C1D	4.36	1.46	1.38
14	A	809	CLA	CHC-C1C	4.36	1.47	1.38
14	H	829	CLA	C3C-C2C	4.36	1.46	1.36
14	U	206	CLA	C3D-C4D	-4.36	1.34	1.44
14	B	827	CLA	CHD-C1D	4.36	1.46	1.38
14	H	833	CLA	CHD-C1D	4.36	1.46	1.38
14	A	805	CLA	C3D-C4D	-4.36	1.34	1.44
14	a	832	CLA	CHC-C1C	4.36	1.47	1.38
14	A	804	CLA	C3D-C4D	-4.36	1.34	1.44
14	b	802	CLA	C3C-C2C	4.36	1.46	1.36
14	H	802	CLA	C3C-C2C	4.36	1.46	1.36
14	L	205	CLA	C3C-C2C	4.36	1.46	1.36
14	H	840	CLA	CHD-C1D	4.36	1.46	1.38
14	B	808	CLA	C3D-C4D	-4.36	1.34	1.44
14	G	836	CLA	O2D-CGD	4.36	1.43	1.33
14	b	829	CLA	CHC-C1C	4.36	1.47	1.38
14	A	820	CLA	C3D-C4D	-4.36	1.34	1.44
14	b	826	CLA	C3D-C4D	-4.36	1.34	1.44
14	L	201	CLA	CHC-C1C	4.36	1.47	1.38
14	a	802	CLA	CHD-C1D	4.35	1.46	1.38
14	a	832	CLA	CHD-C1D	4.35	1.46	1.38
14	B	840	CLA	CHD-C1D	4.35	1.46	1.38
14	H	813	CLA	CHC-C1C	4.35	1.47	1.38
14	a	814	CLA	C3C-C2C	4.35	1.46	1.36
14	b	817	CLA	CHD-C1D	4.35	1.46	1.38
14	A	830	CLA	C3D-C4D	-4.35	1.34	1.44
14	a	840	CLA	CHC-C1C	4.35	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	838	CLA	CHC-C1C	4.35	1.47	1.38
14	B	840	CLA	C3C-C2C	4.35	1.46	1.36
14	A	837	CLA	C3D-C4D	-4.35	1.34	1.44
14	a	805	CLA	C3D-C4D	-4.35	1.34	1.44
14	H	841	CLA	CHD-C1D	4.35	1.46	1.38
14	G	814	CLA	CHD-C1D	4.35	1.46	1.38
14	H	825	CLA	C3D-C4D	-4.35	1.34	1.44
14	B	804	CLA	C3C-C2C	4.35	1.46	1.36
14	b	814	CLA	CHD-C1D	4.35	1.46	1.38
15	A	843	PQN	C10-C5	4.35	1.47	1.40
14	A	827	CLA	C3D-C4D	-4.35	1.34	1.44
14	B	813	CLA	C3C-C2C	4.35	1.46	1.36
14	H	804	CLA	C3C-C2C	4.35	1.46	1.36
14	B	820	CLA	CHD-C1D	4.35	1.46	1.38
16	G	848	BCR	C10-C9	-4.35	1.25	1.35
16	S	103	BCR	C10-C9	-4.35	1.25	1.35
14	a	814	CLA	CHD-C1D	4.35	1.46	1.38
14	H	812	CLA	CHD-C1D	4.35	1.46	1.38
14	G	833	CLA	C3C-C2C	4.35	1.46	1.36
14	a	823	CLA	C3C-C2C	4.34	1.46	1.36
14	G	820	CLA	CHD-C1D	4.34	1.46	1.38
14	B	841	CLA	CHD-C1D	4.34	1.46	1.38
14	G	820	CLA	C3D-C4D	-4.34	1.34	1.44
14	B	809	CLA	C3D-C4D	-4.34	1.34	1.44
14	a	804	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	840	CLA	CHC-C1C	4.34	1.47	1.38
13	G	801	CL0	C3C-C2C	4.34	1.46	1.36
14	G	837	CLA	C3C-C2C	4.34	1.46	1.36
14	b	825	CLA	C3D-C4D	-4.34	1.34	1.44
16	G	845	BCR	C10-C9	-4.34	1.25	1.35
14	B	829	CLA	CHD-C1D	4.34	1.46	1.38
14	B	829	CLA	C3C-C2C	4.34	1.46	1.36
14	G	832	CLA	CHC-C1C	4.34	1.47	1.38
14	G	836	CLA	CHD-C1D	4.34	1.46	1.38
16	A	849	BCR	C10-C9	-4.34	1.25	1.35
16	A	846	BCR	C10-C9	-4.34	1.25	1.35
14	a	839	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	814	CLA	C3C-C2C	4.34	1.46	1.36
14	G	805	CLA	C3D-C4D	-4.34	1.34	1.44
14	H	803	CLA	C3C-C2C	4.34	1.46	1.36
14	W	1701	CLA	CHD-C1D	4.34	1.46	1.38
14	G	827	CLA	C3D-C4D	-4.34	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	807	CLA	C3D-C4D	-4.34	1.34	1.44
14	B	819	CLA	CHC-C1C	4.34	1.47	1.38
14	b	812	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	803	CLA	C3C-C2C	4.34	1.46	1.36
14	B	802	CLA	C3C-C2C	4.34	1.46	1.36
14	b	824	CLA	CHD-C1D	4.34	1.46	1.38
16	f	201	BCR	C10-C9	-4.33	1.25	1.35
14	l	204	CLA	C3C-C2C	4.33	1.46	1.36
14	X	1701	CLA	CHD-C1D	4.33	1.46	1.38
14	V	1601	CLA	C3D-C4D	-4.33	1.34	1.44
14	b	833	CLA	CHD-C1D	4.33	1.46	1.38
14	H	812	CLA	C3D-C4D	-4.33	1.34	1.44
14	a	841	CLA	CHC-C1C	4.33	1.47	1.38
14	A	806	CLA	C3C-C2C	4.33	1.46	1.36
14	b	838	CLA	C3C-C2C	4.33	1.46	1.36
14	A	811	CLA	C3D-C4D	-4.33	1.34	1.44
14	H	835	CLA	C3C-C2C	4.33	1.46	1.36
14	H	810	CLA	C3D-C4D	-4.33	1.34	1.44
14	B	802	CLA	CHD-C1D	4.33	1.46	1.38
14	G	837	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	833	CLA	CHD-C1D	4.33	1.46	1.38
14	A	837	CLA	C3C-C2C	4.33	1.46	1.36
14	A	822	CLA	C3D-C4D	-4.33	1.34	1.44
14	H	814	CLA	C3D-C4D	-4.33	1.34	1.44
13	a	801	CL0	C3D-C4D	-4.33	1.34	1.44
14	H	839	CLA	C3C-C2C	4.33	1.46	1.36
14	a	829	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	810	CLA	C3C-C2C	4.33	1.46	1.36
14	A	830	CLA	CHD-C1D	4.33	1.46	1.38
14	G	804	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	828	CLA	CHC-C1C	4.33	1.47	1.38
16	H	848	BCR	C10-C9	-4.33	1.25	1.35
14	a	837	CLA	C3C-C2C	4.33	1.46	1.36
14	x	1701	CLA	CHD-C1D	4.33	1.46	1.38
14	G	832	CLA	C3C-C2C	4.33	1.46	1.36
14	a	806	CLA	CHD-C1D	4.33	1.46	1.38
14	G	830	CLA	C3D-C4D	-4.33	1.34	1.44
14	G	835	CLA	C3D-C4D	-4.33	1.34	1.44
14	G	811	CLA	C3D-C4D	-4.33	1.34	1.44
14	a	806	CLA	C3D-C4D	-4.33	1.34	1.44
14	H	829	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	837	CLA	CHC-C1C	4.33	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	844	BCR	C10-C9	-4.32	1.25	1.35
14	U	206	CLA	C3C-C2C	4.32	1.46	1.36
13	A	801	CL0	C3C-C2C	4.32	1.46	1.36
14	a	806	CLA	C3C-C2C	4.32	1.46	1.36
13	A	801	CL0	CHC-C1C	4.32	1.47	1.38
14	H	820	CLA	CHD-C1D	4.32	1.46	1.38
14	b	808	CLA	C3D-C4D	-4.32	1.34	1.44
14	A	823	CLA	C3D-C4D	-4.32	1.34	1.44
14	B	811	CLA	C3D-C4D	-4.32	1.34	1.44
14	A	814	CLA	CHD-C1D	4.32	1.46	1.38
14	a	828	CLA	C3C-C2C	4.32	1.46	1.36
14	G	804	CLA	O2D-CGD	4.32	1.43	1.33
14	a	833	CLA	CHD-C1D	4.32	1.46	1.38
14	b	838	CLA	CHD-C1D	4.32	1.46	1.38
14	G	802	CLA	C3D-C4D	-4.32	1.34	1.44
16	a	845	BCR	C10-C9	-4.32	1.25	1.35
14	A	839	CLA	CHC-C1C	4.32	1.47	1.38
14	b	837	CLA	C3C-C2C	4.32	1.46	1.36
14	G	812	CLA	C3D-C4D	-4.32	1.34	1.44
14	a	809	CLA	C3C-C2C	4.32	1.46	1.36
14	a	818	CLA	C3C-C2C	4.32	1.46	1.36
14	l	204	CLA	C3D-C4D	-4.32	1.34	1.44
14	G	823	CLA	C3C-C2C	4.32	1.46	1.36
14	B	836	CLA	C3C-C2C	4.32	1.46	1.36
16	b	846	BCR	C10-C9	-4.32	1.25	1.35
14	b	802	CLA	CHD-C1D	4.31	1.46	1.38
14	A	838	CLA	C3D-C4D	-4.31	1.34	1.44
14	G	837	CLA	CHC-C1C	4.31	1.47	1.38
14	G	830	CLA	CHD-C1D	4.31	1.46	1.38
14	A	835	CLA	C3D-C4D	-4.31	1.34	1.44
14	a	824	CLA	C3D-C4D	-4.31	1.34	1.44
14	b	836	CLA	CHC-C1C	4.31	1.47	1.38
14	B	835	CLA	C3C-C2C	4.31	1.46	1.36
14	G	804	CLA	CHD-C1D	4.31	1.46	1.38
14	A	818	CLA	C3C-C2C	4.31	1.46	1.36
14	a	827	CLA	C3D-C4D	-4.31	1.34	1.44
14	B	814	CLA	C3D-C4D	-4.31	1.34	1.44
14	G	833	CLA	C3D-C4D	-4.31	1.34	1.44
14	A	821	CLA	C3D-C4D	-4.31	1.34	1.44
14	B	839	CLA	C3D-C4D	-4.31	1.34	1.44
14	a	841	CLA	CHD-C1D	4.31	1.46	1.38
14	B	829	CLA	CHC-C1C	4.31	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	827	CLA	C3C-C2C	4.31	1.46	1.36
14	G	838	CLA	C3D-C4D	-4.31	1.34	1.44
14	A	827	CLA	C3C-C2C	4.31	1.46	1.36
14	G	828	CLA	C3D-C4D	-4.31	1.34	1.44
14	H	801	CLA	C3C-C2C	4.31	1.46	1.36
14	a	802	CLA	C3C-C2C	4.31	1.46	1.36
14	a	817	CLA	C3D-C4D	-4.31	1.34	1.44
14	a	835	CLA	C3D-C4D	-4.31	1.34	1.44
14	H	840	CLA	C3C-C2C	4.31	1.46	1.36
14	A	839	CLA	C3C-C2C	4.31	1.46	1.36
14	H	819	CLA	C3D-C4D	-4.31	1.34	1.44
14	b	833	CLA	C3C-C2C	4.31	1.46	1.36
14	G	803	CLA	CHD-C1D	4.30	1.46	1.38
14	a	804	CLA	CHD-C1D	4.30	1.46	1.38
14	b	808	CLA	CHD-C1D	4.30	1.46	1.38
14	a	813	CLA	CHD-C1D	4.30	1.46	1.38
14	a	826	CLA	CHD-C1D	4.30	1.46	1.38
16	b	844	BCR	C10-C9	-4.30	1.25	1.35
14	H	834	CLA	C3C-C2C	4.30	1.46	1.36
14	G	839	CLA	CHC-C1C	4.30	1.47	1.38
14	G	805	CLA	C3C-C2C	4.30	1.46	1.36
14	B	828	CLA	C3D-C4D	-4.30	1.34	1.44
14	b	837	CLA	C3D-C4D	-4.30	1.34	1.44
14	G	839	CLA	CHD-C1D	4.30	1.46	1.38
16	A	845	BCR	C10-C9	-4.30	1.25	1.35
14	a	840	CLA	CHD-C1D	4.30	1.46	1.38
14	G	814	CLA	C3C-C2C	4.30	1.46	1.36
14	a	811	CLA	C3D-C4D	-4.30	1.34	1.44
14	H	828	CLA	C3D-C4D	-4.30	1.34	1.44
14	A	840	CLA	CHD-C1D	4.30	1.46	1.38
14	b	840	CLA	CHD-C1D	4.30	1.46	1.38
14	G	836	CLA	C3C-C2C	4.30	1.46	1.36
14	H	809	CLA	C3D-C4D	-4.30	1.34	1.44
14	a	840	CLA	C3C-C2C	4.30	1.46	1.36
14	G	821	CLA	C3D-C4D	-4.30	1.34	1.44
14	M	1601	CLA	C3D-C4D	-4.30	1.34	1.44
14	A	839	CLA	CHD-C1D	4.30	1.46	1.38
16	b	848	BCR	C10-C9	-4.30	1.25	1.35
14	A	807	CLA	C3C-C2C	4.30	1.46	1.36
14	b	806	CLA	C3D-C4D	-4.30	1.34	1.44
14	G	818	CLA	CHC-C1C	4.30	1.47	1.38
14	G	817	CLA	C3D-C4D	-4.30	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	832	CLA	C3D-C4D	-4.30	1.34	1.44
14	b	824	CLA	C3D-C4D	-4.30	1.34	1.44
14	b	834	CLA	C3C-C2C	4.30	1.46	1.36
14	B	826	CLA	C3D-C4D	-4.30	1.34	1.44
14	B	813	CLA	C3D-C4D	-4.30	1.34	1.44
14	b	827	CLA	CHC-C1C	4.30	1.47	1.38
14	U	201	CLA	CHC-C1C	4.30	1.47	1.38
16	m	1203	BCR	C10-C9	-4.29	1.25	1.35
14	A	833	CLA	C3C-C2C	4.29	1.46	1.36
14	a	810	CLA	C3D-C4D	-4.29	1.34	1.44
14	a	840	CLA	C3D-C4D	-4.29	1.34	1.44
14	A	815	CLA	C3D-C4D	-4.29	1.34	1.44
14	a	802	CLA	C3D-C4D	-4.29	1.34	1.44
14	a	838	CLA	C3C-C2C	4.29	1.46	1.36
17	A	851	LHG	O8-C23	4.29	1.45	1.33
14	A	824	CLA	C1D-ND	-4.29	1.32	1.37
14	G	839	CLA	C3C-C2C	4.29	1.46	1.36
14	m	1202	CLA	C3D-C4D	-4.29	1.34	1.44
14	A	803	CLA	CHD-C1D	4.29	1.46	1.38
14	L	201	CLA	C3C-C2C	4.29	1.46	1.36
14	G	823	CLA	C3D-C4D	-4.29	1.34	1.44
14	H	823	CLA	C3D-C4D	-4.29	1.34	1.44
16	l	206	BCR	C10-C9	-4.29	1.25	1.35
16	M	1602	BCR	C10-C9	-4.29	1.25	1.35
14	H	842	CLA	C3C-C2C	4.29	1.46	1.36
14	A	829	CLA	C3D-C4D	-4.29	1.34	1.44
14	G	806	CLA	C3D-C4D	-4.29	1.34	1.44
13	a	801	CL0	C3C-C2C	4.29	1.46	1.36
14	b	807	CLA	C3C-C2C	4.29	1.46	1.36
17	G	850	LHG	O8-C23	4.29	1.45	1.33
14	a	815	CLA	C3D-C4D	-4.29	1.34	1.44
14	b	840	CLA	CHC-C1C	4.29	1.47	1.38
14	a	836	CLA	C3C-C2C	4.29	1.46	1.36
14	a	830	CLA	CHD-C1D	4.29	1.46	1.38
16	H	846	BCR	C10-C9	-4.29	1.25	1.35
14	A	831	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	838	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	821	CLA	C3D-C4D	-4.28	1.34	1.44
14	b	811	CLA	C3D-C4D	-4.28	1.34	1.44
14	a	830	CLA	C3C-C2C	4.28	1.46	1.36
14	B	810	CLA	C3C-C2C	4.28	1.46	1.36
14	a	803	CLA	CHD-C1D	4.28	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	810	CLA	C3D-C4D	-4.28	1.34	1.44
14	a	832	CLA	C3C-C2C	4.28	1.46	1.36
14	B	832	CLA	C3C-C2C	4.28	1.46	1.36
16	B	848	BCR	C10-C9	-4.28	1.25	1.35
14	L	201	CLA	C3D-C4D	-4.28	1.34	1.44
14	R	101	CLA	CHC-C1C	4.28	1.47	1.38
14	G	803	CLA	C3C-C2C	4.28	1.46	1.36
14	B	827	CLA	C3D-C4D	-4.28	1.34	1.44
16	B	850	BCR	C10-C9	-4.28	1.25	1.35
14	B	817	CLA	C3D-C4D	-4.28	1.34	1.44
14	B	830	CLA	CHC-C1C	4.28	1.47	1.38
14	G	851	CLA	CHC-C1C	4.28	1.47	1.38
14	A	823	CLA	C3C-C2C	4.28	1.46	1.36
14	b	840	CLA	C3C-C2C	4.28	1.46	1.36
14	G	828	CLA	CHC-C1C	4.28	1.47	1.38
14	H	835	CLA	C3D-C4D	-4.28	1.34	1.44
14	G	807	CLA	C3C-C2C	4.28	1.46	1.36
14	A	808	CLA	C3D-C4D	-4.28	1.34	1.44
14	A	835	CLA	CHD-C1D	4.28	1.46	1.38
14	a	821	CLA	CHD-C1D	4.28	1.46	1.38
16	B	846	BCR	C10-C9	-4.28	1.25	1.35
14	a	803	CLA	C3C-C2C	4.28	1.46	1.36
14	a	834	CLA	C3D-C4D	-4.28	1.34	1.44
14	B	842	CLA	CHD-C1D	4.28	1.46	1.38
14	a	810	CLA	C3C-C2C	4.28	1.46	1.36
14	G	839	CLA	C3D-C4D	-4.28	1.34	1.44
14	a	823	CLA	C3D-C4D	-4.28	1.34	1.44
14	H	819	CLA	CHC-C1C	4.28	1.47	1.38
16	V	1602	BCR	C10-C9	-4.28	1.25	1.35
14	b	832	CLA	C3C-C2C	4.28	1.46	1.36
14	B	819	CLA	C3D-C4D	-4.28	1.34	1.44
14	G	840	CLA	CHD-C1D	4.28	1.46	1.38
14	a	833	CLA	C3D-C4D	-4.27	1.34	1.44
14	B	835	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	817	CLA	C3D-C4D	-4.27	1.34	1.44
14	b	836	CLA	C3D-C4D	-4.27	1.34	1.44
14	b	840	CLA	C3D-C4D	-4.27	1.34	1.44
14	L	206	CLA	C3D-C4D	-4.27	1.34	1.44
14	A	824	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	834	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	801	CLA	C3D-C4D	-4.27	1.34	1.44
14	l	205	CLA	C3D-C4D	-4.27	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	814	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	838	CLA	CHC-C1C	4.27	1.47	1.38
14	G	814	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	830	CLA	CHC-C1C	4.27	1.47	1.38
14	b	816	CLA	CHC-C1C	4.27	1.47	1.38
14	H	841	CLA	C3D-C4D	-4.27	1.34	1.44
14	G	818	CLA	C3C-C2C	4.27	1.46	1.36
14	A	830	CLA	C3C-C2C	4.27	1.46	1.36
14	A	832	CLA	C3C-C2C	4.27	1.46	1.36
14	H	807	CLA	C3D-C4D	-4.27	1.34	1.44
14	a	810	CLA	CHC-C1C	4.27	1.47	1.38
14	G	840	CLA	C3D-C4D	-4.27	1.34	1.44
14	H	811	CLA	C3D-C4D	-4.27	1.34	1.44
14	A	814	CLA	C3D-C4D	-4.27	1.34	1.44
14	U	207	CLA	C3D-C4D	-4.27	1.34	1.44
14	A	802	CLA	C3D-C4D	-4.27	1.34	1.44
14	U	201	CLA	C3D-C4D	-4.27	1.34	1.44
14	G	805	CLA	CHC-C1C	4.27	1.47	1.38
14	A	821	CLA	C3C-C2C	4.26	1.46	1.36
14	a	807	CLA	CHD-C1D	4.26	1.46	1.38
14	A	825	CLA	C3D-C4D	-4.26	1.34	1.44
14	G	831	CLA	C3D-C4D	-4.26	1.34	1.44
14	R	101	CLA	C3D-C4D	-4.26	1.34	1.44
14	H	810	CLA	C3C-C2C	4.26	1.46	1.36
14	B	839	CLA	CHD-C1D	4.26	1.46	1.38
14	A	836	CLA	C3C-C2C	4.26	1.46	1.36
14	G	830	CLA	C3C-C2C	4.26	1.46	1.36
14	B	808	CLA	CHD-C1D	4.26	1.46	1.38
14	G	821	CLA	CHC-C1C	4.26	1.47	1.38
17	a	851	LHG	O8-C23	4.26	1.45	1.33
14	H	831	CLA	CHC-C1C	4.26	1.47	1.38
14	A	817	CLA	C3D-C4D	-4.26	1.34	1.44
14	B	815	CLA	C3D-C4D	-4.26	1.34	1.44
14	G	825	CLA	C3D-C4D	-4.26	1.34	1.44
14	b	818	CLA	C3D-C4D	-4.26	1.34	1.44
14	B	808	CLA	C3C-C2C	4.26	1.46	1.36
14	a	830	CLA	C3D-C4D	-4.26	1.34	1.44
14	A	809	CLA	CHD-C1D	4.26	1.46	1.38
14	b	837	CLA	CHD-C1D	4.26	1.46	1.38
14	a	831	CLA	C3D-C4D	-4.26	1.34	1.44
13	G	801	CL0	CHD-C1D	4.26	1.46	1.38
14	a	822	CLA	C3D-C4D	-4.26	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	807	CLA	C3D-C4D	-4.26	1.34	1.44
14	H	813	CLA	C3D-C4D	-4.26	1.34	1.44
14	B	804	CLA	C3D-C4D	-4.26	1.34	1.44
14	H	802	CLA	CHD-C1D	4.25	1.46	1.38
14	G	813	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	839	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	838	CLA	CHD-C1D	4.25	1.46	1.38
14	a	803	CLA	C3D-C4D	-4.25	1.34	1.44
14	G	824	CLA	C3D-C4D	-4.25	1.34	1.44
14	a	814	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	842	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	836	CLA	C3C-C2C	4.25	1.45	1.36
14	G	807	CLA	CHD-C1D	4.25	1.46	1.38
16	i	101	BCR	C10-C9	-4.25	1.26	1.35
14	G	809	CLA	CHD-C1D	4.25	1.46	1.38
16	L	207	BCR	C10-C9	-4.25	1.26	1.35
14	G	805	CLA	CHD-C1D	4.25	1.46	1.38
14	G	829	CLA	C3D-C4D	-4.25	1.34	1.44
16	U	208	BCR	C10-C9	-4.25	1.26	1.35
14	A	807	CLA	CHD-C1D	4.25	1.46	1.38
14	H	832	CLA	CHC-C1C	4.25	1.47	1.38
14	G	803	CLA	C3D-C4D	-4.25	1.34	1.44
14	U	201	CLA	C3C-C2C	4.25	1.45	1.36
14	A	840	CLA	C3D-C4D	-4.25	1.34	1.44
14	B	820	CLA	C3D-C4D	-4.25	1.34	1.44
16	A	844	BCR	C10-C9	-4.25	1.26	1.35
14	G	808	CLA	C3D-C4D	-4.25	1.34	1.44
14	b	829	CLA	C3C-C2C	4.25	1.45	1.36
14	a	852	CLA	C3D-C4D	-4.25	1.34	1.44
14	b	810	CLA	C3D-C4D	-4.25	1.34	1.44
14	G	835	CLA	CHD-C1D	4.25	1.46	1.38
14	H	808	CLA	CHD-C1D	4.25	1.46	1.38
14	b	835	CLA	C3D-C4D	-4.25	1.34	1.44
14	a	825	CLA	C3D-C4D	-4.25	1.34	1.44
14	B	841	CLA	C3D-C4D	-4.25	1.34	1.44
14	a	836	CLA	CHD-C1D	4.25	1.46	1.38
14	A	833	CLA	C3D-C4D	-4.24	1.34	1.44
14	B	811	CLA	C3C-C2C	4.24	1.45	1.36
14	R	101	CLA	C3C-C2C	4.24	1.45	1.36
14	A	805	CLA	CHD-C1D	4.24	1.46	1.38
16	U	203	BCR	C10-C9	-4.24	1.26	1.35
14	A	852	CLA	C3D-C4D	-4.24	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	828	CLA	C3D-C4D	-4.24	1.34	1.44
14	H	805	CLA	C3D-C4D	-4.24	1.34	1.44
14	B	842	CLA	C3D-C4D	-4.24	1.34	1.44
14	R	101	CLA	CHD-C1D	4.24	1.46	1.38
14	G	809	CLA	C3C-C2C	4.24	1.45	1.36
14	a	821	CLA	C3C-C2C	4.24	1.45	1.36
14	H	821	CLA	C3D-C4D	-4.24	1.34	1.44
14	A	808	CLA	C3C-C2C	4.24	1.45	1.36
14	b	820	CLA	C3D-C4D	-4.24	1.34	1.44
14	U	201	CLA	CHD-C1D	4.24	1.46	1.38
14	b	820	CLA	C3C-C2C	4.24	1.45	1.36
14	G	822	CLA	C3D-C4D	-4.24	1.34	1.44
14	B	842	CLA	C3C-C2C	4.24	1.45	1.36
14	a	808	CLA	C3D-C4D	-4.24	1.34	1.44
16	I	101	BCR	C10-C9	-4.24	1.26	1.35
14	A	832	CLA	C3D-C4D	-4.23	1.34	1.44
14	L	204	CLA	CHD-C1D	4.23	1.46	1.38
14	H	815	CLA	C3D-C4D	-4.23	1.34	1.44
14	G	816	CLA	C3D-C4D	-4.23	1.34	1.44
14	k	102	CLA	C3D-C4D	-4.23	1.34	1.44
14	H	839	CLA	CHD-C1D	4.23	1.46	1.38
17	G	849	LHG	O8-C23	4.23	1.45	1.33
14	A	836	CLA	CHD-C1D	4.23	1.46	1.38
14	H	809	CLA	CHD-C1D	4.23	1.46	1.38
14	b	833	CLA	C3D-C4D	-4.23	1.34	1.44
14	a	812	CLA	CHD-C1D	4.23	1.46	1.38
14	S	102	CLA	C3D-C4D	-4.23	1.34	1.44
14	a	836	CLA	C3D-C4D	-4.23	1.34	1.44
14	A	812	CLA	O2D-CGD	4.23	1.43	1.33
14	A	809	CLA	C3C-C2C	4.22	1.45	1.36
14	a	841	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	833	CLA	C3D-C4D	-4.22	1.34	1.44
14	A	806	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	807	CLA	C3D-C4D	-4.22	1.34	1.44
14	b	813	CLA	C3D-C4D	-4.22	1.34	1.44
14	b	805	CLA	C3D-C4D	-4.22	1.34	1.44
14	G	807	CLA	C3D-C4D	-4.22	1.34	1.44
14	G	836	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	834	CLA	C3D-C4D	-4.22	1.34	1.44
14	H	820	CLA	C3D-C4D	-4.22	1.34	1.44
14	j	1303	CLA	C3D-C4D	-4.22	1.34	1.44
14	a	807	CLA	C3D-C4D	-4.22	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	1201	CLA	C3D-C4D	-4.22	1.34	1.44
14	L	201	CLA	CHD-C1D	4.22	1.46	1.38
14	H	837	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	824	CLA	C3D-C4D	-4.22	1.34	1.44
16	R	102	BCR	C10-C9	-4.22	1.26	1.35
16	L	209	BCR	C10-C9	-4.22	1.26	1.35
14	B	809	CLA	CHD-C1D	4.22	1.46	1.38
16	a	844	BCR	C10-C9	-4.21	1.26	1.35
14	b	805	CLA	CHD-C1D	4.21	1.46	1.38
14	b	821	CLA	C3D-C4D	-4.21	1.34	1.44
14	X	1701	CLA	C3D-C4D	-4.21	1.34	1.44
14	Q	201	CLA	C3D-C4D	-4.21	1.34	1.44
14	H	804	CLA	C3D-C4D	-4.21	1.34	1.44
14	A	820	CLA	C3C-C2C	4.21	1.45	1.36
14	G	834	CLA	C3D-C4D	-4.21	1.34	1.44
14	A	834	CLA	C3D-C4D	-4.21	1.34	1.44
14	b	817	CLA	C3D-C4D	-4.21	1.34	1.44
14	A	838	CLA	C3C-C2C	4.21	1.45	1.36
14	G	813	CLA	CHD-C1D	4.21	1.46	1.38
14	a	828	CLA	C3D-C4D	-4.21	1.34	1.44
16	l	202	BCR	C10-C9	-4.21	1.26	1.35
14	K	1401	CLA	C3D-C4D	-4.21	1.34	1.44
14	G	824	CLA	C3C-C2C	4.21	1.45	1.36
14	a	805	CLA	CHD-C1D	4.21	1.46	1.38
14	J	1303	CLA	C3D-C4D	-4.21	1.34	1.44
14	B	801	CLA	CHD-C1D	4.20	1.46	1.38
14	a	807	CLA	C3C-C2C	4.20	1.45	1.36
14	H	823	CLA	C3C-C2C	4.20	1.45	1.36
14	B	818	CLA	C3D-C4D	-4.20	1.34	1.44
14	B	811	CLA	CHC-C1C	4.20	1.46	1.38
14	A	836	CLA	C3D-C4D	-4.20	1.34	1.44
14	B	822	CLA	CHD-C1D	4.20	1.46	1.38
16	H	845	BCR	C10-C9	-4.20	1.26	1.35
14	G	829	CLA	CHD-C1D	4.20	1.46	1.38
14	L	204	CLA	C3D-C4D	-4.20	1.34	1.44
14	B	821	CLA	CHC-C1C	4.20	1.46	1.38
14	b	830	CLA	C3D-C4D	-4.20	1.34	1.44
14	b	831	CLA	C3D-C4D	-4.20	1.34	1.44
14	B	819	CLA	CHB-C1B	4.20	1.48	1.39
14	x	1701	CLA	C3D-C4D	-4.20	1.34	1.44
14	A	806	CLA	CHD-C1D	4.20	1.46	1.38
14	A	813	CLA	C3D-C4D	-4.20	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	818	CLA	C3D-C4D	-4.20	1.34	1.44
14	b	808	CLA	C3C-C2C	4.19	1.45	1.36
14	B	837	CLA	C3D-C4D	-4.19	1.34	1.44
14	A	818	CLA	C3D-C4D	-4.19	1.34	1.44
14	a	818	CLA	C3D-C4D	-4.19	1.34	1.44
14	H	833	CLA	C3D-C4D	-4.19	1.34	1.44
14	b	815	CLA	C3D-C4D	-4.19	1.34	1.44
14	G	821	CLA	C3C-C2C	4.19	1.45	1.36
14	T	102	CLA	C3D-C4D	-4.19	1.34	1.44
19	H	851	LMG	O8-C28	4.19	1.45	1.33
14	A	828	CLA	C3C-C2C	4.19	1.45	1.36
14	a	815	CLA	CHD-C4C	4.19	1.48	1.39
14	H	836	CLA	C3D-C4D	-4.19	1.34	1.44
14	G	826	CLA	CHC-C4B	4.19	1.48	1.39
14	a	838	CLA	C3D-C4D	-4.19	1.34	1.44
14	a	842	CLA	C3D-C4D	-4.19	1.34	1.44
14	A	828	CLA	CHD-C1D	4.19	1.46	1.38
14	H	816	CLA	C3D-C4D	-4.18	1.34	1.44
14	a	826	CLA	CHC-C4B	4.18	1.48	1.39
14	a	816	CLA	C3D-C4D	-4.18	1.34	1.44
14	a	804	CLA	C3C-C2C	4.18	1.45	1.36
14	G	841	CLA	C3D-C4D	-4.18	1.34	1.44
14	B	823	CLA	CHD-C4C	4.18	1.48	1.39
17	G	850	LHG	O7-C7	4.18	1.46	1.34
14	B	805	CLA	C3C-C2C	4.18	1.45	1.36
14	a	827	CLA	C3C-C2C	4.18	1.45	1.36
14	H	824	CLA	C3D-C4D	-4.18	1.34	1.44
17	a	850	LHG	O8-C23	4.18	1.45	1.33
14	W	1701	CLA	C3D-C4D	-4.18	1.34	1.44
14	G	818	CLA	C3D-C4D	-4.17	1.34	1.44
16	b	843	BCR	C10-C9	-4.17	1.26	1.35
14	k	101	CLA	C3D-C4D	-4.17	1.34	1.44
14	B	811	CLA	CHD-C1D	4.17	1.46	1.38
16	B	845	BCR	C10-C9	-4.17	1.26	1.35
14	a	829	CLA	CHD-C1D	4.17	1.46	1.38
14	G	828	CLA	C3C-C2C	4.17	1.45	1.36
14	A	816	CLA	C3D-C4D	-4.17	1.34	1.44
14	B	842	CLA	CHC-C1C	4.17	1.46	1.38
16	G	843	BCR	C10-C9	-4.17	1.26	1.35
19	b	849	LMG	O8-C28	4.17	1.45	1.33
19	B	851	LMG	O8-C28	4.16	1.45	1.33
14	l	203	CLA	CHD-C1D	4.16	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	838	CLA	CHC-C1C	4.16	1.46	1.38
14	A	841	CLA	C3D-C4D	-4.16	1.34	1.44
14	l	203	CLA	C3D-C4D	-4.16	1.34	1.44
14	T	101	CLA	C3D-C4D	-4.16	1.34	1.44
14	A	820	CLA	CHD-C1D	4.16	1.46	1.38
14	a	813	CLA	C3D-C4D	-4.16	1.34	1.44
14	b	832	CLA	C3D-C4D	-4.16	1.34	1.44
14	b	806	CLA	CHD-C1D	4.16	1.46	1.38
14	Q	202	CLA	CHD-C1D	4.16	1.46	1.38
14	B	817	CLA	C3C-C2C	4.16	1.45	1.36
14	G	824	CLA	CHD-C1D	4.16	1.46	1.38
14	A	826	CLA	CHC-C4B	4.16	1.48	1.39
14	H	811	CLA	CHC-C1C	4.15	1.46	1.38
14	b	805	CLA	C3C-C2C	4.15	1.45	1.36
14	b	814	CLA	C3C-C2C	4.15	1.45	1.36
14	F	201	CLA	C3D-C4D	-4.15	1.34	1.44
14	S	101	CLA	C3D-C4D	-4.15	1.34	1.44
14	b	826	CLA	CHD-C1D	4.15	1.46	1.38
14	G	815	CLA	C3D-C4D	-4.15	1.34	1.44
14	a	809	CLA	CHD-C1D	4.15	1.46	1.38
14	H	831	CLA	CHD-C4C	4.15	1.48	1.39
14	G	809	CLA	C3D-C4D	-4.15	1.34	1.44
14	A	821	CLA	CHD-C1D	4.15	1.46	1.38
14	B	806	CLA	C3D-C4D	-4.14	1.34	1.44
14	b	804	CLA	C3C-C2C	4.14	1.45	1.36
14	a	809	CLA	C3D-C4D	-4.14	1.34	1.44
14	H	832	CLA	C3C-C2C	4.14	1.45	1.36
14	A	842	CLA	C3D-C4D	-4.14	1.34	1.44
16	F	202	BCR	C10-C9	-4.14	1.26	1.35
14	b	834	CLA	C3D-C4D	-4.14	1.34	1.44
14	H	815	CLA	CHD-C1D	4.14	1.46	1.38
14	U	205	CLA	CHD-C1D	4.14	1.46	1.38
14	A	809	CLA	C3D-C4D	-4.14	1.34	1.44
17	A	851	LHG	O7-C7	4.14	1.46	1.34
14	H	827	CLA	CHD-C4C	4.13	1.48	1.39
14	j	1302	CLA	C3D-C4D	-4.13	1.34	1.44
14	J	1302	CLA	C3D-C4D	-4.13	1.34	1.44
14	F	201	CLA	CHD-C4C	4.13	1.48	1.39
17	a	851	LHG	O7-C7	4.13	1.45	1.34
14	G	812	CLA	C3C-C2C	4.13	1.45	1.36
14	Q	201	CLA	CHC-C4B	4.13	1.48	1.39
14	U	205	CLA	C3D-C4D	-4.12	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	831	CLA	CHC-C4B	4.12	1.48	1.39
17	A	850	LHG	O7-C7	4.12	1.45	1.34
14	B	836	CLA	C3D-C4D	-4.12	1.34	1.44
17	A	850	LHG	O8-C23	4.12	1.45	1.33
14	G	840	CLA	C3C-C2C	4.12	1.45	1.36
14	A	829	CLA	CHD-C1D	4.11	1.46	1.38
14	A	824	CLA	CHC-C1C	4.11	1.46	1.38
14	b	812	CLA	C3C-C2C	4.11	1.45	1.36
14	G	851	CLA	C3D-C4D	-4.11	1.34	1.44
14	b	823	CLA	C3D-C4D	-4.11	1.34	1.44
14	a	824	CLA	C3C-C2C	4.11	1.45	1.36
14	J	1301	CLA	CHD-C1D	4.11	1.46	1.38
14	a	853	CLA	C3D-C4D	-4.10	1.35	1.44
14	B	816	CLA	CHD-C4C	4.10	1.48	1.39
14	b	819	CLA	C1D-ND	-4.10	1.32	1.37
14	G	817	CLA	CHD-C4C	4.10	1.48	1.39
14	a	828	CLA	CHD-C1D	4.10	1.46	1.38
14	G	828	CLA	CHD-C1D	4.09	1.46	1.38
14	H	842	CLA	CHD-C1D	4.09	1.46	1.38
14	L	205	CLA	CHD-C1D	4.09	1.46	1.38
14	H	831	CLA	C3C-C2C	4.09	1.45	1.36
14	A	840	CLA	C3C-C2C	4.08	1.45	1.36
14	B	812	CLA	CHC-C1C	4.08	1.46	1.38
14	b	823	CLA	CHC-C4B	4.08	1.48	1.39
14	U	205	CLA	CHC-C4B	4.08	1.48	1.39
14	F	201	CLA	CHC-C4B	4.08	1.48	1.39
16	b	842	BCR	C10-C9	-4.08	1.26	1.35
14	H	806	CLA	C3C-C2C	4.08	1.45	1.36
16	B	844	BCR	C10-C9	-4.07	1.26	1.35
14	B	815	CLA	C3C-C2C	4.07	1.45	1.36
14	b	821	CLA	CHC-C4B	4.07	1.48	1.39
17	a	850	LHG	O7-C7	4.07	1.45	1.34
14	L	204	CLA	CHC-C4B	4.07	1.48	1.39
14	b	819	CLA	C3D-C4D	-4.07	1.35	1.44
14	a	824	CLA	CHD-C1D	4.06	1.46	1.38
17	G	849	LHG	O7-C7	4.06	1.45	1.34
14	l	203	CLA	CHC-C4B	4.06	1.48	1.39
14	b	826	CLA	C3C-C2C	4.05	1.45	1.36
14	b	820	CLA	CHD-C4C	4.05	1.48	1.39
14	H	838	CLA	C3D-C4D	-4.05	1.35	1.44
14	A	826	CLA	CHD-C1D	4.05	1.46	1.38
14	B	805	CLA	MG-ND	-4.05	1.97	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Q	202	CLA	C3D-C4D	-4.05	1.35	1.44
16	H	844	BCR	C10-C9	-4.05	1.26	1.35
14	G	851	CLA	C3C-C2C	4.05	1.45	1.36
14	G	804	CLA	C3C-C2C	4.05	1.45	1.36
14	B	812	CLA	C3C-C2C	4.05	1.45	1.36
14	B	803	CLA	CHD-C4C	4.04	1.48	1.39
14	S	102	CLA	CHD-C4C	4.04	1.48	1.39
14	a	841	CLA	C3C-C2C	4.04	1.45	1.36
14	j	1301	CLA	C3D-C4D	-4.03	1.35	1.44
14	a	829	CLA	CHC-C4B	4.03	1.48	1.39
14	B	826	CLA	C1D-ND	-4.03	1.32	1.37
14	G	808	CLA	CHD-C4C	4.03	1.48	1.39
14	G	819	CLA	CHD-C4C	4.03	1.48	1.39
14	a	839	CLA	CHD-C4C	4.03	1.48	1.39
14	T	101	CLA	CHD-C4C	4.03	1.48	1.39
14	b	812	CLA	CHC-C4B	4.03	1.48	1.39
14	B	818	CLA	CHD-C4C	4.03	1.48	1.39
14	A	804	CLA	CHD-C1D	4.03	1.46	1.38
14	k	101	CLA	CHD-C4C	4.02	1.48	1.39
14	A	824	CLA	C3C-C2C	4.02	1.45	1.36
14	A	815	CLA	CHD-C4C	4.02	1.48	1.39
14	k	102	CLA	CHD-C4C	4.02	1.48	1.39
14	G	815	CLA	CHD-C4C	4.02	1.48	1.39
14	b	808	CLA	CHC-C1C	4.02	1.46	1.38
14	A	812	CLA	CHD-C1D	4.01	1.46	1.38
14	B	814	CLA	CHD-C4C	4.01	1.48	1.39
14	j	1303	CLA	CHD-C4C	4.01	1.48	1.39
14	A	841	CLA	CHD-C4C	4.01	1.48	1.39
14	H	819	CLA	CHB-C1B	4.01	1.48	1.39
14	b	811	CLA	CHD-C4C	4.01	1.48	1.39
14	A	819	CLA	CHD-C4C	4.00	1.48	1.39
14	a	819	CLA	CHD-C4C	4.00	1.48	1.39
14	b	812	CLA	CHD-C1D	4.00	1.46	1.38
14	a	817	CLA	CHD-C4C	4.00	1.48	1.39
14	j	1301	CLA	CHD-C1D	4.00	1.46	1.38
14	H	811	CLA	C3C-C2C	4.00	1.45	1.36
14	B	839	CLA	CHD-C4C	4.00	1.48	1.39
14	T	102	CLA	CHD-C4C	4.00	1.48	1.39
14	B	822	CLA	C3D-C4D	-4.00	1.35	1.44
14	B	831	CLA	CHD-C4C	4.00	1.48	1.39
14	H	839	CLA	CHD-C4C	4.00	1.48	1.39
14	b	828	CLA	CHD-C4C	4.00	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	1401	CLA	CHD-C4C	4.00	1.48	1.39
14	B	826	CLA	C3C-C2C	3.99	1.45	1.36
14	H	814	CLA	CHD-C4C	3.99	1.48	1.39
14	A	829	CLA	CHC-C4B	3.99	1.48	1.39
14	a	811	CLA	CHD-C4C	3.99	1.48	1.39
14	G	826	CLA	CHD-C4C	3.98	1.48	1.39
14	G	811	CLA	CHD-C4C	3.98	1.48	1.39
14	H	810	CLA	CHD-C4C	3.98	1.48	1.39
14	G	821	CLA	CHD-C4C	3.98	1.48	1.39
14	B	811	CLA	CHD-C4C	3.98	1.48	1.39
14	b	824	CLA	CHD-C4C	3.98	1.48	1.39
14	l	204	CLA	CHD-C1D	3.98	1.46	1.38
14	H	826	CLA	CHC-C4B	3.98	1.48	1.39
14	A	820	CLA	CHC-C4B	3.98	1.48	1.39
14	U	206	CLA	CHD-C1D	3.98	1.46	1.38
19	H	851	LMG	O7-C10	3.98	1.45	1.34
14	b	808	CLA	CHD-C4C	3.97	1.48	1.39
14	J	1303	CLA	CHD-C4C	3.97	1.48	1.39
19	b	849	LMG	O7-C10	3.97	1.45	1.34
14	G	805	CLA	CHC-C4B	3.97	1.48	1.39
14	b	816	CLA	CHD-C4C	3.97	1.48	1.39
14	G	810	CLA	CHD-C4C	3.97	1.48	1.39
14	b	807	CLA	CHD-C4C	3.97	1.48	1.39
14	A	824	CLA	CHD-C1D	3.97	1.46	1.38
14	H	805	CLA	CHD-C1D	3.97	1.46	1.38
14	A	817	CLA	CHD-C4C	3.97	1.48	1.39
14	H	807	CLA	CHD-C4C	3.97	1.48	1.39
14	b	823	CLA	C3C-C2C	3.97	1.45	1.36
14	B	837	CLA	CHD-C4C	3.97	1.48	1.39
14	b	823	CLA	C1D-ND	-3.97	1.32	1.37
14	G	829	CLA	CHC-C4B	3.97	1.48	1.39
14	H	818	CLA	CHD-C4C	3.97	1.48	1.39
14	b	831	CLA	CHD-C4C	3.96	1.48	1.39
14	G	827	CLA	CHD-C4C	3.96	1.48	1.39
14	B	804	CLA	CHD-C4C	3.96	1.48	1.39
14	B	827	CLA	CHD-C4C	3.96	1.48	1.39
14	H	830	CLA	CHD-C4C	3.96	1.48	1.39
14	H	837	CLA	CHD-C4C	3.96	1.48	1.39
14	B	832	CLA	CHD-C4C	3.96	1.48	1.39
14	b	819	CLA	CHD-C1D	3.96	1.46	1.38
14	B	833	CLA	CHD-C4C	3.96	1.48	1.39
14	b	804	CLA	CHD-C1D	3.96	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	803	CLA	CHD-C4C	3.96	1.48	1.39
14	A	834	CLA	CHC-C4B	3.96	1.48	1.39
14	H	803	CLA	CHD-C4C	3.96	1.48	1.39
14	b	809	CLA	CHC-C1C	3.95	1.46	1.38
14	a	816	CLA	CHD-C4C	3.95	1.48	1.39
14	b	809	CLA	C3C-C2C	3.95	1.45	1.36
14	b	834	CLA	CHD-C4C	3.95	1.48	1.39
14	A	827	CLA	CHD-C4C	3.95	1.48	1.39
14	B	821	CLA	CHD-C4C	3.95	1.48	1.39
14	H	824	CLA	CHD-C4C	3.95	1.48	1.39
14	H	817	CLA	C3C-C2C	3.95	1.45	1.36
14	A	816	CLA	CHD-C4C	3.95	1.48	1.39
14	a	852	CLA	CHD-C1D	3.95	1.46	1.38
14	H	833	CLA	CHD-C4C	3.95	1.48	1.39
14	J	1301	CLA	C3D-C4D	-3.95	1.35	1.44
14	b	830	CLA	CHD-C4C	3.94	1.48	1.39
14	J	1302	CLA	CHC-C4B	3.94	1.48	1.39
14	a	831	CLA	CHD-C4C	3.94	1.48	1.39
14	b	815	CLA	CHD-C4C	3.94	1.48	1.39
14	B	835	CLA	CHC-C4B	3.94	1.48	1.39
14	H	822	CLA	CHD-C1D	3.94	1.46	1.38
14	S	101	CLA	CHD-C4C	3.94	1.48	1.39
14	G	820	CLA	CHD-C4C	3.94	1.48	1.39
14	A	811	CLA	CHD-C4C	3.94	1.48	1.39
14	a	827	CLA	CHD-C4C	3.94	1.48	1.39
14	A	824	CLA	MG-ND	-3.94	1.98	2.05
14	B	806	CLA	MG-ND	-3.94	1.98	2.05
14	H	823	CLA	CHD-C4C	3.94	1.48	1.39
14	H	804	CLA	CHD-C4C	3.94	1.48	1.39
14	A	818	CLA	CHD-C4C	3.93	1.48	1.39
14	G	816	CLA	CHD-C4C	3.93	1.48	1.39
14	B	836	CLA	CHD-C4C	3.93	1.48	1.39
14	b	837	CLA	CHD-C4C	3.93	1.48	1.39
14	A	834	CLA	CHD-C4C	3.93	1.48	1.39
14	B	810	CLA	CHD-C4C	3.93	1.48	1.39
14	j	1302	CLA	CHD-C4C	3.93	1.48	1.39
14	B	824	CLA	CHD-C4C	3.93	1.48	1.39
14	H	836	CLA	CHD-C4C	3.93	1.48	1.39
14	A	805	CLA	CHC-C4B	3.93	1.48	1.39
14	H	812	CLA	C3C-C2C	3.93	1.45	1.36
14	H	842	CLA	CHD-C4C	3.93	1.48	1.39
14	H	816	CLA	CHD-C4C	3.93	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	839	CLA	CHC-C1C	3.93	1.46	1.38
14	J	1302	CLA	CHD-C4C	3.92	1.48	1.39
14	H	811	CLA	CHD-C4C	3.92	1.48	1.39
14	A	837	CLA	CHD-C4C	3.92	1.48	1.39
14	A	831	CLA	CHD-C4C	3.92	1.48	1.39
14	H	801	CLA	MG-ND	-3.92	1.98	2.05
14	L	205	CLA	CHD-C4C	3.92	1.48	1.39
14	a	842	CLA	CHC-C4B	3.91	1.48	1.39
14	a	820	CLA	CHD-C4C	3.91	1.48	1.39
14	B	815	CLA	CHD-C1D	3.91	1.46	1.38
14	b	829	CLA	CHD-C4C	3.91	1.48	1.39
14	G	831	CLA	CHD-C4C	3.91	1.48	1.39
14	a	805	CLA	CHC-C4B	3.91	1.48	1.39
14	H	819	CLA	CHD-C4C	3.91	1.48	1.39
14	H	828	CLA	CHD-C4C	3.91	1.48	1.39
14	H	826	CLA	C3C-C2C	3.91	1.45	1.36
14	l	204	CLA	CHD-C4C	3.91	1.48	1.39
14	G	838	CLA	CHD-C4C	3.91	1.48	1.39
14	A	852	CLA	CHD-C1D	3.91	1.46	1.38
14	b	816	CLA	CHB-C1B	3.90	1.48	1.39
14	B	813	CLA	CHD-C4C	3.90	1.48	1.39
14	G	812	CLA	CHC-C4B	3.90	1.48	1.39
14	H	832	CLA	CHD-C4C	3.90	1.48	1.39
14	a	813	CLA	CHD-C4C	3.90	1.48	1.39
14	H	807	CLA	CHC-C4B	3.90	1.48	1.39
14	b	833	CLA	CHC-C4B	3.90	1.48	1.39
14	a	837	CLA	CHD-C4C	3.90	1.48	1.39
14	H	835	CLA	CHC-C4B	3.90	1.48	1.39
14	B	826	CLA	CHC-C4B	3.90	1.48	1.39
14	U	206	CLA	CHD-C4C	3.89	1.48	1.39
14	A	824	CLA	C1B-NB	-3.89	1.32	1.37
14	G	813	CLA	CHC-C4B	3.89	1.48	1.39
14	B	819	CLA	CHD-C4C	3.89	1.48	1.39
14	H	821	CLA	CHD-C4C	3.89	1.48	1.39
14	b	822	CLA	CHD-C4C	3.89	1.48	1.39
14	B	807	CLA	CHD-C4C	3.89	1.48	1.39
14	A	838	CLA	CHC-C4B	3.89	1.48	1.39
14	a	812	CLA	CHC-C4B	3.89	1.48	1.39
14	A	842	CLA	CHC-C4B	3.89	1.48	1.39
14	b	835	CLA	CHD-C4C	3.89	1.48	1.39
14	B	807	CLA	CHC-C4B	3.89	1.48	1.39
14	A	810	CLA	CHD-C4C	3.88	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	1301	CLA	CHC-C4B	3.88	1.48	1.39
14	b	810	CLA	CHD-C4C	3.88	1.48	1.39
14	B	801	CLA	CHC-C4B	3.88	1.48	1.39
14	a	852	CLA	CHC-C4B	3.88	1.48	1.39
14	b	839	CLA	CHD-C4C	3.88	1.48	1.39
14	H	817	CLA	CHD-C4C	3.88	1.48	1.39
14	B	814	CLA	CHC-C4B	3.88	1.48	1.39
14	b	821	CLA	CHD-C4C	3.88	1.48	1.39
14	b	838	CLA	CHD-C4C	3.88	1.48	1.39
14	H	814	CLA	CHC-C4B	3.87	1.48	1.39
14	H	815	CLA	C3C-C2C	3.87	1.45	1.36
14	a	817	CLA	CHC-C4B	3.87	1.48	1.39
14	a	818	CLA	CHD-C4C	3.87	1.48	1.39
14	a	840	CLA	CHC-C4B	3.87	1.48	1.39
14	Q	202	CLA	CHC-C4B	3.87	1.48	1.39
14	B	840	CLA	CHD-C4C	3.87	1.48	1.39
14	M	1601	CLA	CHC-C4B	3.87	1.48	1.39
14	A	813	CLA	CHD-C4C	3.87	1.48	1.39
14	l	205	CLA	CHD-C4C	3.87	1.48	1.39
14	A	839	CLA	CHC-C4B	3.87	1.48	1.39
14	G	834	CLA	CHD-C4C	3.86	1.48	1.39
14	B	828	CLA	CHD-C4C	3.86	1.48	1.39
14	a	821	CLA	CHD-C4C	3.86	1.48	1.39
14	a	838	CLA	CHD-C4C	3.86	1.48	1.39
14	G	837	CLA	CHD-C4C	3.86	1.48	1.39
14	a	808	CLA	CHD-C4C	3.86	1.48	1.39
14	H	835	CLA	CHD-C4C	3.86	1.48	1.39
14	B	830	CLA	CHD-C4C	3.86	1.48	1.39
14	G	839	CLA	CHC-C4B	3.86	1.48	1.39
14	m	1201	CLA	CHC-C4B	3.86	1.48	1.39
14	A	813	CLA	CHC-C4B	3.86	1.48	1.39
14	H	825	CLA	CHD-C4C	3.86	1.48	1.39
14	B	825	CLA	CHD-C4C	3.86	1.48	1.39
14	b	811	CLA	CHC-C4B	3.86	1.48	1.39
14	b	827	CLA	CHD-C4C	3.86	1.48	1.39
14	a	839	CLA	C3C-C2C	3.85	1.45	1.36
14	H	824	CLA	CHC-C4B	3.85	1.48	1.39
14	G	815	CLA	CHC-C4B	3.85	1.48	1.39
14	L	206	CLA	CHD-C4C	3.85	1.48	1.39
14	U	207	CLA	CHD-C4C	3.85	1.48	1.39
14	A	812	CLA	CHC-C4B	3.85	1.48	1.39
14	b	836	CLA	CHD-C4C	3.85	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	842	CLA	CHD-C4C	3.85	1.48	1.39
13	a	801	CL0	CHB-C1B	3.85	1.48	1.39
14	b	817	CLA	CHD-C4C	3.85	1.48	1.39
14	H	840	CLA	CHD-C4C	3.85	1.48	1.39
14	G	833	CLA	CHD-C4C	3.84	1.48	1.39
14	A	838	CLA	CHD-C4C	3.84	1.48	1.39
14	H	829	CLA	CHD-C4C	3.84	1.48	1.39
14	G	838	CLA	C3C-C2C	3.84	1.45	1.36
14	G	806	CLA	CHD-C4C	3.84	1.47	1.39
14	a	828	CLA	CHB-C1B	3.84	1.48	1.39
14	b	813	CLA	CHD-C4C	3.84	1.47	1.39
14	G	825	CLA	CHD-C4C	3.84	1.47	1.39
14	B	812	CLA	CHD-C4C	3.84	1.47	1.39
14	b	819	CLA	CHC-C4B	3.84	1.48	1.39
14	b	802	CLA	CHD-C4C	3.84	1.47	1.39
14	b	825	CLA	CHD-C4C	3.84	1.47	1.39
14	H	812	CLA	C1D-ND	-3.84	1.32	1.37
14	a	825	CLA	CHD-C4C	3.84	1.47	1.39
14	a	809	CLA	CHB-C1B	3.84	1.48	1.39
14	m	1202	CLA	CHC-C4B	3.83	1.48	1.39
14	a	835	CLA	CHD-C4C	3.83	1.47	1.39
13	G	801	CL0	CHB-C1B	3.83	1.48	1.39
14	B	820	CLA	CHD-C4C	3.83	1.47	1.39
14	m	1201	CLA	CHD-C4C	3.83	1.47	1.39
14	G	841	CLA	CHD-C4C	3.83	1.47	1.39
14	A	825	CLA	CHD-C4C	3.83	1.47	1.39
14	W	1701	CLA	CHD-C4C	3.83	1.47	1.39
14	G	818	CLA	CHD-C4C	3.83	1.47	1.39
14	W	1701	CLA	CHC-C4B	3.83	1.48	1.39
14	a	842	CLA	CHD-C4C	3.82	1.47	1.39
14	G	803	CLA	CHC-C4B	3.82	1.48	1.39
14	B	838	CLA	CHD-C4C	3.82	1.47	1.39
14	A	827	CLA	CHC-C4B	3.82	1.48	1.39
14	a	803	CLA	CHC-C4B	3.82	1.48	1.39
14	A	802	CLA	CHD-C4C	3.82	1.47	1.39
14	b	801	CLA	CHC-C4B	3.82	1.48	1.39
14	G	827	CLA	CHC-C4B	3.82	1.48	1.39
14	G	841	CLA	CHC-C4B	3.82	1.48	1.39
14	B	802	CLA	CHD-C4C	3.82	1.47	1.39
14	G	834	CLA	CHC-C4B	3.82	1.48	1.39
14	B	824	CLA	CHC-C4B	3.82	1.48	1.39
14	a	834	CLA	CHD-C4C	3.82	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	809	CLA	CHD-C4C	3.82	1.47	1.39
14	G	813	CLA	CHD-C4C	3.82	1.47	1.39
14	G	822	CLA	CHD-C4C	3.82	1.47	1.39
14	H	801	CLA	CHC-C4B	3.82	1.48	1.39
14	G	802	CLA	CHD-C4C	3.82	1.47	1.39
14	B	815	CLA	CHC-C4B	3.82	1.48	1.39
14	B	806	CLA	C3C-C2C	3.81	1.45	1.36
14	A	823	CLA	CHD-C4C	3.81	1.47	1.39
14	b	840	CLA	CHD-C4C	3.81	1.47	1.39
14	a	806	CLA	CHC-C4B	3.81	1.48	1.39
14	H	820	CLA	CHD-C4C	3.81	1.47	1.39
14	H	812	CLA	CHC-C1C	3.81	1.46	1.38
14	A	812	CLA	CHD-C4C	3.81	1.47	1.39
14	a	812	CLA	CHD-C4C	3.81	1.47	1.39
14	J	1301	CLA	CHC-C4B	3.81	1.48	1.39
14	B	826	CLA	CHD-C1D	3.81	1.45	1.38
14	l	203	CLA	CHD-C4C	3.81	1.47	1.39
14	a	813	CLA	CHC-C4B	3.81	1.48	1.39
14	a	823	CLA	CHD-C4C	3.81	1.47	1.39
14	A	816	CLA	CHC-C4B	3.81	1.48	1.39
14	H	828	CLA	CHC-C4B	3.81	1.48	1.39
14	B	816	CLA	CHB-C1B	3.81	1.48	1.39
14	X	1701	CLA	CHD-C4C	3.81	1.47	1.39
14	A	852	CLA	CHC-C4B	3.80	1.48	1.39
14	A	833	CLA	CHD-C4C	3.80	1.47	1.39
14	a	824	CLA	C1D-ND	-3.80	1.32	1.37
14	A	832	CLA	CHD-C4C	3.80	1.47	1.39
14	H	822	CLA	CHC-C4B	3.80	1.47	1.39
14	A	821	CLA	CHD-C4C	3.80	1.47	1.39
14	B	835	CLA	CHD-C4C	3.80	1.47	1.39
14	b	802	CLA	CHC-C4B	3.80	1.47	1.39
14	a	820	CLA	CHC-C4B	3.80	1.47	1.39
14	A	808	CLA	CHD-C4C	3.80	1.47	1.39
14	G	832	CLA	CHD-C4C	3.80	1.47	1.39
14	a	810	CLA	CHD-C4C	3.80	1.47	1.39
14	B	842	CLA	CHD-C4C	3.80	1.47	1.39
14	a	822	CLA	CHD-C4C	3.80	1.47	1.39
14	G	806	CLA	CHC-C4B	3.80	1.47	1.39
14	H	806	CLA	CHB-C1B	3.80	1.47	1.39
14	a	804	CLA	CHD-C4C	3.80	1.47	1.39
14	x	1701	CLA	CHD-C4C	3.80	1.47	1.39
14	H	806	CLA	CHD-C1D	3.80	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	806	CLA	C1D-ND	-3.80	1.32	1.37
13	A	801	CL0	CHB-C1B	3.80	1.47	1.39
14	b	809	CLA	CHB-C1B	3.80	1.47	1.39
14	X	1701	CLA	CHC-C4B	3.79	1.47	1.39
14	S	101	CLA	CHC-C4B	3.79	1.47	1.39
14	Q	202	CLA	OBD-CAD	3.79	1.29	1.22
14	b	818	CLA	CHD-C4C	3.79	1.47	1.39
14	a	840	CLA	CHD-C4C	3.79	1.47	1.39
14	a	833	CLA	CHC-C4B	3.79	1.47	1.39
14	M	1601	CLA	CHD-C4C	3.79	1.47	1.39
14	B	834	CLA	CHD-C4C	3.79	1.47	1.39
14	b	824	CLA	CHC-C4B	3.79	1.47	1.39
14	L	204	CLA	CHD-C4C	3.79	1.47	1.39
14	B	822	CLA	CHC-C4B	3.79	1.47	1.39
14	a	814	CLA	CHC-C4B	3.79	1.47	1.39
14	A	803	CLA	CHD-C4C	3.79	1.47	1.39
14	a	834	CLA	CHC-C4B	3.79	1.47	1.39
14	a	826	CLA	CHD-C4C	3.79	1.47	1.39
14	m	1202	CLA	CHD-C4C	3.79	1.47	1.39
14	A	803	CLA	CHC-C4B	3.79	1.47	1.39
14	A	830	CLA	CHC-C4B	3.79	1.47	1.39
14	a	833	CLA	CHD-C4C	3.79	1.47	1.39
14	G	838	CLA	CHC-C4B	3.79	1.47	1.39
14	G	839	CLA	CHD-C4C	3.78	1.47	1.39
14	H	802	CLA	CHD-C4C	3.78	1.47	1.39
14	H	827	CLA	CHC-C4B	3.78	1.47	1.39
14	b	839	CLA	CHC-C4B	3.78	1.47	1.39
14	A	814	CLA	CHD-C4C	3.78	1.47	1.39
14	a	804	CLA	CHC-C4B	3.78	1.47	1.39
14	H	815	CLA	CHD-C4C	3.78	1.47	1.39
14	V	1601	CLA	CHD-C4C	3.78	1.47	1.39
14	S	101	CLA	OBD-CAD	3.78	1.29	1.22
14	A	820	CLA	CHD-C4C	3.78	1.47	1.39
14	G	823	CLA	CHD-C4C	3.78	1.47	1.39
14	B	808	CLA	CHC-C4B	3.78	1.47	1.39
14	A	817	CLA	OBD-CAD	3.78	1.29	1.22
14	L	206	CLA	CHC-C4B	3.78	1.47	1.39
14	H	804	CLA	CHC-C4B	3.77	1.47	1.39
14	B	817	CLA	CHD-C4C	3.77	1.47	1.39
14	l	205	CLA	CHC-C4B	3.77	1.47	1.39
14	A	841	CLA	C3C-C2C	3.77	1.44	1.36
14	A	828	CLA	CHB-C1B	3.77	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	x	1701	CLA	CHC-C4B	3.77	1.47	1.39
14	H	802	CLA	CHC-C4B	3.77	1.47	1.39
14	A	817	CLA	CHC-C4B	3.77	1.47	1.39
14	A	804	CLA	CHC-C4B	3.77	1.47	1.39
14	b	810	CLA	CHC-C4B	3.77	1.47	1.39
14	H	834	CLA	CHD-C4C	3.77	1.47	1.39
14	A	822	CLA	CHD-C4C	3.77	1.47	1.39
14	a	827	CLA	CHC-C4B	3.77	1.47	1.39
14	G	820	CLA	CHC-C4B	3.76	1.47	1.39
14	j	1302	CLA	OBD-CAD	3.76	1.29	1.22
14	A	806	CLA	CHC-C4B	3.76	1.47	1.39
14	A	830	CLA	CHD-C4C	3.76	1.47	1.39
14	G	815	CLA	OBD-CAD	3.76	1.29	1.22
14	a	830	CLA	CHC-C4B	3.76	1.47	1.39
14	B	841	CLA	CHD-C4C	3.76	1.47	1.39
14	b	806	CLA	CHC-C4B	3.76	1.47	1.39
14	a	823	CLA	CHB-C1B	3.76	1.47	1.39
14	G	814	CLA	CHD-C4C	3.76	1.47	1.39
14	G	851	CLA	CHD-C1D	3.76	1.45	1.38
14	b	825	CLA	CHC-C4B	3.76	1.47	1.39
14	B	816	CLA	C3C-C2C	3.76	1.44	1.36
14	A	805	CLA	CHD-C4C	3.76	1.47	1.39
14	B	830	CLA	OBD-CAD	3.76	1.29	1.22
14	H	811	CLA	CHD-C1D	3.76	1.45	1.38
14	G	827	CLA	OBD-CAD	3.76	1.28	1.22
14	G	812	CLA	CHD-C1D	3.75	1.45	1.38
14	b	814	CLA	CHD-C4C	3.75	1.47	1.39
14	G	836	CLA	CHD-C4C	3.75	1.47	1.39
14	G	819	CLA	OBD-CAD	3.75	1.28	1.22
14	A	833	CLA	CHC-C4B	3.75	1.47	1.39
14	B	827	CLA	CHC-C4B	3.75	1.47	1.39
14	H	841	CLA	CHD-C4C	3.75	1.47	1.39
14	H	841	CLA	CHC-C4B	3.75	1.47	1.39
19	b	849	LMG	C40-C39	-3.75	1.33	1.51
14	B	841	CLA	CHC-C4B	3.75	1.47	1.39
14	H	806	CLA	OBD-CAD	3.75	1.28	1.22
14	B	824	CLA	OBD-CAD	3.75	1.28	1.22
14	b	834	CLA	OBD-CAD	3.75	1.28	1.22
14	a	806	CLA	CHB-C1B	3.75	1.47	1.39
14	H	825	CLA	CHB-C1B	3.75	1.47	1.39
14	a	802	CLA	CHC-C4B	3.75	1.47	1.39
14	G	802	CLA	CHC-C4B	3.74	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	1601	CLA	CHC-C4B	3.74	1.47	1.39
14	a	807	CLA	CHD-C4C	3.74	1.47	1.39
14	B	804	CLA	CHC-C4B	3.74	1.47	1.39
14	A	806	CLA	CHB-C1B	3.74	1.47	1.39
14	a	830	CLA	CHD-C4C	3.74	1.47	1.39
14	G	816	CLA	CHC-C4B	3.74	1.47	1.39
14	G	809	CLA	OBD-CAD	3.74	1.28	1.22
14	a	819	CLA	OBD-CAD	3.74	1.28	1.22
14	B	829	CLA	CHD-C4C	3.74	1.47	1.39
14	A	825	CLA	CHC-C4B	3.74	1.47	1.39
14	H	809	CLA	CHC-C4B	3.74	1.47	1.39
14	H	815	CLA	CHC-C4B	3.74	1.47	1.39
14	Q	201	CLA	MG-NC	3.74	2.15	2.06
14	a	803	CLA	CHD-C4C	3.74	1.47	1.39
14	a	806	CLA	CHD-C4C	3.74	1.47	1.39
14	a	819	CLA	CHC-C4B	3.74	1.47	1.39
14	A	806	CLA	CHD-C4C	3.74	1.47	1.39
14	a	824	CLA	CHC-C4B	3.74	1.47	1.39
14	a	838	CLA	CHC-C4B	3.74	1.47	1.39
14	b	832	CLA	CHD-C4C	3.74	1.47	1.39
14	a	814	CLA	CHD-C4C	3.74	1.47	1.39
14	U	205	CLA	CHD-C4C	3.74	1.47	1.39
14	A	839	CLA	CHD-C4C	3.74	1.47	1.39
14	U	207	CLA	CHC-C4B	3.74	1.47	1.39
19	B	851	LMG	O7-C10	3.74	1.44	1.34
14	k	102	CLA	CHC-C4B	3.74	1.47	1.39
14	B	803	CLA	CHC-C4B	3.74	1.47	1.39
14	H	812	CLA	CHB-C1B	3.74	1.47	1.39
14	G	804	CLA	CHD-C4C	3.74	1.47	1.39
14	B	816	CLA	OBD-CAD	3.73	1.28	1.22
14	b	833	CLA	OBD-CAD	3.73	1.28	1.22
14	J	1302	CLA	OBD-CAD	3.73	1.28	1.22
19	B	851	LMG	C40-C39	-3.73	1.33	1.51
14	H	811	CLA	CHB-C1B	3.73	1.47	1.39
14	G	851	CLA	MG-ND	-3.73	1.98	2.05
19	B	851	LMG	C19-C18	-3.73	1.33	1.51
14	A	839	CLA	CHB-C1B	3.73	1.47	1.39
14	B	828	CLA	CHC-C4B	3.73	1.47	1.39
14	B	817	CLA	OBD-CAD	3.73	1.28	1.22
14	a	832	CLA	CHD-C4C	3.73	1.47	1.39
14	U	206	CLA	CHC-C4B	3.73	1.47	1.39
19	H	851	LMG	C40-C39	-3.73	1.33	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	1601	CLA	OBD-CAD	3.73	1.28	1.22
14	A	802	CLA	CHC-C4B	3.73	1.47	1.39
14	G	823	CLA	CHB-C1B	3.73	1.47	1.39
14	G	824	CLA	CHC-C4B	3.73	1.47	1.39
14	G	835	CLA	CHD-C4C	3.73	1.47	1.39
14	b	833	CLA	CHD-C4C	3.73	1.47	1.39
14	G	806	CLA	CHB-C1B	3.73	1.47	1.39
14	B	825	CLA	CHC-C4B	3.73	1.47	1.39
14	B	838	CLA	CHC-C4B	3.73	1.47	1.39
19	H	851	LMG	C19-C18	-3.73	1.33	1.51
14	a	825	CLA	CHC-C4B	3.73	1.47	1.39
14	B	805	CLA	CHB-C1B	3.73	1.47	1.39
14	G	830	CLA	CHD-C4C	3.73	1.47	1.39
14	B	810	CLA	CHB-C1B	3.73	1.47	1.39
14	B	813	CLA	CHC-C4B	3.73	1.47	1.39
14	A	809	CLA	OBD-CAD	3.72	1.28	1.22
14	X	1701	CLA	OBD-CAD	3.72	1.28	1.22
14	k	101	CLA	CHC-C4B	3.72	1.47	1.39
14	A	815	CLA	CHC-C4B	3.72	1.47	1.39
14	b	814	CLA	OBD-CAD	3.72	1.28	1.22
14	Q	201	CLA	OBD-CAD	3.72	1.28	1.22
14	W	1701	CLA	OBD-CAD	3.72	1.28	1.22
14	a	829	CLA	CHD-C4C	3.72	1.47	1.39
14	a	840	CLA	CHB-C1B	3.72	1.47	1.39
14	T	102	CLA	CHC-C4B	3.72	1.47	1.39
14	H	801	CLA	OBD-CAD	3.72	1.28	1.22
14	A	807	CLA	CHC-C4B	3.72	1.47	1.39
14	G	839	CLA	CHB-C1B	3.72	1.47	1.39
14	a	816	CLA	CHC-C4B	3.72	1.47	1.39
14	A	813	CLA	OBD-CAD	3.72	1.28	1.22
14	G	829	CLA	CHD-C4C	3.72	1.47	1.39
14	b	803	CLA	CHC-C4B	3.72	1.47	1.39
14	b	813	CLA	CHC-C4B	3.72	1.47	1.39
14	l	204	CLA	CHC-C4B	3.72	1.47	1.39
14	a	853	CLA	C3C-C2C	3.72	1.44	1.36
14	A	835	CLA	CHD-C4C	3.72	1.47	1.39
14	G	809	CLA	CHB-C1B	3.72	1.47	1.39
14	H	820	CLA	CHC-C4B	3.72	1.47	1.39
14	k	102	CLA	OBD-CAD	3.72	1.28	1.22
14	G	818	CLA	OBD-CAD	3.72	1.28	1.22
14	B	818	CLA	OBD-CAD	3.72	1.28	1.22
14	a	838	CLA	OBD-CAD	3.72	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	817	CLA	OBD-CAD	3.72	1.28	1.22
14	b	815	CLA	OBD-CAD	3.72	1.28	1.22
14	H	809	CLA	CHD-C4C	3.71	1.47	1.39
14	b	817	CLA	CHC-C4B	3.71	1.47	1.39
14	a	802	CLA	CHD-C4C	3.71	1.47	1.39
14	B	813	CLA	CHB-C1B	3.71	1.47	1.39
14	H	813	CLA	CHC-C4B	3.71	1.47	1.39
14	M	1601	CLA	OBD-CAD	3.71	1.28	1.22
14	G	803	CLA	OBD-CAD	3.71	1.28	1.22
14	G	803	CLA	CHD-C4C	3.71	1.47	1.39
14	b	806	CLA	CHD-C4C	3.71	1.47	1.39
14	a	809	CLA	OBD-CAD	3.71	1.28	1.22
14	H	828	CLA	CHB-C1B	3.71	1.47	1.39
14	b	819	CLA	CHB-C1B	3.71	1.47	1.39
14	B	831	CLA	OBD-CAD	3.71	1.28	1.22
14	a	813	CLA	OBD-CAD	3.71	1.28	1.22
14	b	822	CLA	CHC-C4B	3.71	1.47	1.39
19	b	849	LMG	C19-C18	-3.71	1.33	1.51
14	j	1302	CLA	CHC-C4B	3.71	1.47	1.39
14	j	1303	CLA	CHB-C1B	3.71	1.47	1.39
14	K	1401	CLA	CHC-C4B	3.71	1.47	1.39
14	B	825	CLA	CHB-C1B	3.70	1.47	1.39
14	G	833	CLA	CHC-C4B	3.70	1.47	1.39
14	G	808	CLA	OBD-CAD	3.70	1.28	1.22
14	G	807	CLA	CHD-C4C	3.70	1.47	1.39
14	S	102	CLA	CHB-C1B	3.70	1.47	1.39
14	H	839	CLA	CHC-C4B	3.70	1.47	1.39
14	a	827	CLA	OBD-CAD	3.70	1.28	1.22
14	B	837	CLA	OBD-CAD	3.70	1.28	1.22
14	B	839	CLA	CHC-C4B	3.70	1.47	1.39
14	a	841	CLA	CHD-C4C	3.70	1.47	1.39
14	B	809	CLA	CHD-C4C	3.70	1.47	1.39
14	B	806	CLA	CHC-C4B	3.70	1.47	1.39
14	A	819	CLA	OBD-CAD	3.70	1.28	1.22
14	K	1401	CLA	OBD-CAD	3.70	1.28	1.22
14	J	1301	CLA	C1D-ND	-3.70	1.33	1.37
14	B	802	CLA	CHC-C4B	3.70	1.47	1.39
14	H	816	CLA	CHB-C1B	3.70	1.47	1.39
14	b	804	CLA	CHB-C1B	3.70	1.47	1.39
14	B	836	CLA	OBD-CAD	3.70	1.28	1.22
14	b	811	CLA	OBD-CAD	3.70	1.28	1.22
14	A	807	CLA	CHD-C4C	3.70	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	821	CLA	OBD-CAD	3.70	1.28	1.22
14	a	815	CLA	OBD-CAD	3.70	1.28	1.22
14	B	822	CLA	CHB-C1B	3.70	1.47	1.39
14	T	101	CLA	CHC-C4B	3.69	1.47	1.39
14	A	836	CLA	CHD-C4C	3.69	1.47	1.39
14	G	819	CLA	CHC-C4B	3.69	1.47	1.39
14	V	1601	CLA	CHB-C1B	3.69	1.47	1.39
14	H	816	CLA	CHC-C4B	3.69	1.47	1.39
14	b	805	CLA	CHC-C4B	3.69	1.47	1.39
14	B	816	CLA	CHC-C4B	3.69	1.47	1.39
14	G	807	CLA	CHC-C4B	3.69	1.47	1.39
14	B	820	CLA	CHC-C4B	3.69	1.47	1.39
14	H	818	CLA	OBD-CAD	3.69	1.28	1.22
14	H	805	CLA	CHC-C4B	3.69	1.47	1.39
14	L	205	CLA	CHC-C4B	3.69	1.47	1.39
14	b	815	CLA	CHB-C1B	3.69	1.47	1.39
14	A	818	CLA	OBD-CAD	3.69	1.28	1.22
14	T	102	CLA	OBD-CAD	3.69	1.28	1.22
14	B	808	CLA	CHD-C4C	3.69	1.47	1.39
14	A	823	CLA	CHB-C1B	3.69	1.47	1.39
14	b	819	CLA	OBD-CAD	3.69	1.28	1.22
14	a	823	CLA	CHC-C4B	3.69	1.47	1.39
14	b	823	CLA	OBD-CAD	3.69	1.28	1.22
14	G	830	CLA	CHC-C4B	3.69	1.47	1.39
14	a	805	CLA	CHD-C4C	3.69	1.47	1.39
14	a	818	CLA	OBD-CAD	3.69	1.28	1.22
14	b	813	CLA	C3C-C2C	3.69	1.44	1.36
14	G	834	CLA	OBD-CAD	3.69	1.28	1.22
14	H	830	CLA	OBD-CAD	3.69	1.28	1.22
14	a	836	CLA	CHD-C4C	3.69	1.47	1.39
14	B	812	CLA	CHB-C1B	3.68	1.47	1.39
14	G	828	CLA	CHB-C1B	3.68	1.47	1.39
14	a	815	CLA	CHC-C4B	3.68	1.47	1.39
14	B	811	CLA	CHB-C1B	3.68	1.47	1.39
14	b	830	CLA	CHC-C4B	3.68	1.47	1.39
14	H	837	CLA	OBD-CAD	3.68	1.28	1.22
14	b	813	CLA	OBD-CAD	3.68	1.28	1.22
14	J	1303	CLA	CHC-C4B	3.68	1.47	1.39
14	H	836	CLA	OBD-CAD	3.68	1.28	1.22
14	A	815	CLA	OBD-CAD	3.68	1.28	1.22
14	m	1202	CLA	OBD-CAD	3.68	1.28	1.22
14	G	809	CLA	CHD-C4C	3.68	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	840	CLA	CHD-C4C	3.68	1.47	1.39
14	G	817	CLA	OBD-CAD	3.68	1.28	1.22
14	B	804	CLA	OBD-CAD	3.68	1.28	1.22
13	A	801	CL0	C1D-ND	-3.68	1.33	1.37
14	A	814	CLA	CHC-C4B	3.68	1.47	1.39
14	A	819	CLA	CHC-C4B	3.68	1.47	1.39
14	a	817	CLA	OBD-CAD	3.68	1.28	1.22
13	A	801	CL0	CHD-C4C	3.68	1.47	1.39
14	H	813	CLA	CHD-C4C	3.68	1.47	1.39
14	H	813	CLA	CHB-C1B	3.68	1.47	1.39
14	b	810	CLA	CHB-C1B	3.68	1.47	1.39
14	B	826	CLA	MG-ND	-3.68	1.98	2.05
14	A	841	CLA	CHC-C4B	3.68	1.47	1.39
14	A	806	CLA	OBD-CAD	3.67	1.28	1.22
14	a	808	CLA	OBD-CAD	3.67	1.28	1.22
14	j	1303	CLA	CHC-C4B	3.67	1.47	1.39
14	b	810	CLA	OBD-CAD	3.67	1.28	1.22
14	b	831	CLA	OBD-CAD	3.67	1.28	1.22
14	b	835	CLA	OBD-CAD	3.67	1.28	1.22
14	G	817	CLA	CHC-C4B	3.67	1.47	1.39
14	A	822	CLA	CHC-C4B	3.67	1.47	1.39
14	H	803	CLA	CHC-C4B	3.67	1.47	1.39
14	G	825	CLA	CHC-C4B	3.67	1.47	1.39
14	b	835	CLA	CHC-C4B	3.67	1.47	1.39
14	x	1701	CLA	OBD-CAD	3.67	1.28	1.22
14	b	837	CLA	CHC-C4B	3.67	1.47	1.39
14	A	838	CLA	OBD-CAD	3.67	1.28	1.22
14	A	809	CLA	CHD-C4C	3.67	1.47	1.39
14	A	839	CLA	OBD-CAD	3.67	1.28	1.22
14	b	805	CLA	OBD-CAD	3.67	1.28	1.22
13	G	801	CL0	C1D-ND	-3.67	1.33	1.37
14	a	811	CLA	CHC-C4B	3.67	1.47	1.39
14	a	803	CLA	OBD-CAD	3.67	1.28	1.22
19	b	849	LMG	C43-C42	-3.67	1.33	1.51
14	G	805	CLA	CHD-C4C	3.67	1.47	1.39
14	G	823	CLA	CHC-C4B	3.67	1.47	1.39
19	b	849	LMG	C37-C36	-3.67	1.33	1.51
14	B	835	CLA	OBD-CAD	3.67	1.28	1.22
14	a	822	CLA	CHC-C4B	3.67	1.47	1.39
14	B	837	CLA	CHC-C4B	3.67	1.47	1.39
14	a	832	CLA	OBD-CAD	3.67	1.28	1.22
14	b	830	CLA	OBD-CAD	3.67	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	808	CLA	CHC-C4B	3.67	1.47	1.39
14	A	809	CLA	CHB-C1B	3.67	1.47	1.39
14	b	808	CLA	CHB-C1B	3.67	1.47	1.39
14	G	806	CLA	OBD-CAD	3.67	1.28	1.22
14	A	842	CLA	OBD-CAD	3.66	1.28	1.22
14	a	808	CLA	CHC-C4B	3.66	1.47	1.39
14	J	1303	CLA	CHB-C1B	3.66	1.47	1.39
14	G	813	CLA	OBD-CAD	3.66	1.28	1.22
19	H	851	LMG	C43-C42	-3.66	1.33	1.51
14	G	822	CLA	CHC-C4B	3.66	1.47	1.39
14	H	821	CLA	OBD-CAD	3.66	1.28	1.22
14	G	828	CLA	OBD-CAD	3.66	1.28	1.22
14	H	826	CLA	CHD-C1D	3.66	1.45	1.38
14	H	825	CLA	CHC-C4B	3.66	1.47	1.39
14	b	804	CLA	CHC-C4B	3.66	1.47	1.39
14	a	809	CLA	CHD-C4C	3.66	1.47	1.39
14	b	828	CLA	OBD-CAD	3.66	1.28	1.22
14	a	807	CLA	OBD-CAD	3.66	1.28	1.22
14	F	201	CLA	OBD-CAD	3.66	1.28	1.22
14	H	838	CLA	CHD-C4C	3.66	1.47	1.39
14	a	824	CLA	CHB-C1B	3.66	1.47	1.39
14	G	840	CLA	CHD-C4C	3.66	1.47	1.39
14	A	814	CLA	CHB-C1B	3.66	1.47	1.39
14	H	810	CLA	CHB-C1B	3.66	1.47	1.39
14	G	841	CLA	OBD-CAD	3.66	1.28	1.22
14	A	811	CLA	CHC-C4B	3.66	1.47	1.39
14	G	824	CLA	CHD-C4C	3.66	1.47	1.39
14	H	814	CLA	OBD-CAD	3.66	1.28	1.22
14	B	818	CLA	CHC-C4B	3.65	1.47	1.39
14	H	808	CLA	CHC-C4B	3.65	1.47	1.39
19	B	851	LMG	C37-C36	-3.65	1.33	1.51
14	H	831	CLA	OBD-CAD	3.65	1.28	1.22
14	G	811	CLA	CHC-C4B	3.65	1.47	1.39
14	B	828	CLA	CHB-C1B	3.65	1.47	1.39
14	H	835	CLA	OBD-CAD	3.65	1.28	1.22
19	B	851	LMG	C43-C42	-3.65	1.33	1.51
14	m	1201	CLA	OBD-CAD	3.65	1.28	1.22
14	a	853	CLA	MG-ND	-3.65	1.98	2.05
14	A	841	CLA	C1C-NC	-3.65	1.32	1.37
14	A	804	CLA	C3C-C2C	3.65	1.44	1.36
14	a	825	CLA	OBD-CAD	3.65	1.28	1.22
14	B	810	CLA	CHC-C4B	3.65	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	837	CLA	CHC-C4B	3.65	1.47	1.39
14	H	812	CLA	OBD-CAD	3.65	1.28	1.22
14	H	833	CLA	OBD-CAD	3.65	1.28	1.22
14	b	818	CLA	OBD-CAD	3.65	1.28	1.22
14	a	814	CLA	OBD-CAD	3.65	1.28	1.22
14	b	840	CLA	CHB-C1B	3.65	1.47	1.39
13	a	801	CL0	CHD-C4C	3.65	1.47	1.39
14	H	822	CLA	CHD-C4C	3.65	1.47	1.39
14	a	806	CLA	OBD-CAD	3.65	1.28	1.22
14	G	810	CLA	CHB-C1B	3.65	1.47	1.39
14	G	839	CLA	OBD-CAD	3.65	1.28	1.22
14	a	828	CLA	OBD-CAD	3.65	1.28	1.22
14	b	805	CLA	CHD-C4C	3.65	1.47	1.39
14	G	830	CLA	OBD-CAD	3.65	1.28	1.22
14	H	812	CLA	CHD-C4C	3.65	1.47	1.39
14	G	814	CLA	OBD-CAD	3.65	1.28	1.22
14	m	1202	CLA	CHB-C1B	3.64	1.47	1.39
14	b	839	CLA	OBD-CAD	3.64	1.28	1.22
14	R	101	CLA	CHD-C4C	3.64	1.47	1.39
14	H	804	CLA	OBD-CAD	3.64	1.28	1.22
14	B	809	CLA	CHC-C4B	3.64	1.47	1.39
14	H	833	CLA	CHC-C4B	3.64	1.47	1.39
14	b	815	CLA	CHC-C4B	3.64	1.47	1.39
14	b	807	CLA	CHB-C1B	3.64	1.47	1.39
14	a	852	CLA	OBD-CAD	3.64	1.28	1.22
14	b	826	CLA	CHC-C4B	3.64	1.47	1.39
14	B	815	CLA	CHB-C1B	3.64	1.47	1.39
14	H	816	CLA	OBD-CAD	3.64	1.28	1.22
14	b	804	CLA	C1D-ND	-3.64	1.33	1.37
14	A	803	CLA	OBD-CAD	3.64	1.28	1.22
14	G	807	CLA	OBD-CAD	3.64	1.28	1.22
14	B	814	CLA	OBD-CAD	3.64	1.28	1.22
14	G	837	CLA	CHB-C1B	3.64	1.47	1.39
14	B	818	CLA	CHB-C1B	3.64	1.47	1.39
14	x	1701	CLA	CHB-C1B	3.64	1.47	1.39
14	a	811	CLA	OBD-CAD	3.64	1.28	1.22
14	H	807	CLA	OBD-CAD	3.64	1.28	1.22
14	H	836	CLA	CHB-C1B	3.64	1.47	1.39
14	A	833	CLA	OBD-CAD	3.64	1.28	1.22
14	B	829	CLA	OBD-CAD	3.64	1.28	1.22
14	G	816	CLA	OBD-CAD	3.64	1.28	1.22
14	S	102	CLA	CHC-C4B	3.64	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	813	CLA	OBD-CAD	3.64	1.28	1.22
19	H	851	LMG	C37-C36	-3.63	1.33	1.51
14	a	816	CLA	OBD-CAD	3.63	1.28	1.22
14	A	823	CLA	CHC-C4B	3.63	1.47	1.39
14	A	807	CLA	OBD-CAD	3.63	1.28	1.22
14	G	838	CLA	OBD-CAD	3.63	1.28	1.22
14	A	829	CLA	CHB-C1B	3.63	1.47	1.39
14	A	837	CLA	CHB-C1B	3.63	1.47	1.39
14	Q	202	CLA	CHD-C4C	3.63	1.47	1.39
14	a	834	CLA	OBD-CAD	3.63	1.28	1.22
14	H	827	CLA	OBD-CAD	3.63	1.28	1.22
14	B	801	CLA	MG-NC	3.63	2.14	2.06
14	H	808	CLA	CHD-C4C	3.63	1.47	1.39
14	A	834	CLA	OBD-CAD	3.63	1.28	1.22
14	a	823	CLA	OBD-CAD	3.63	1.28	1.22
14	b	838	CLA	CHC-C4B	3.63	1.47	1.39
14	b	826	CLA	CHD-C4C	3.63	1.47	1.39
14	B	807	CLA	OBD-CAD	3.63	1.28	1.22
14	H	822	CLA	CHB-C1B	3.63	1.47	1.39
14	H	829	CLA	OBD-CAD	3.63	1.28	1.22
14	B	822	CLA	CHD-C4C	3.63	1.47	1.39
14	b	812	CLA	CHD-C4C	3.63	1.47	1.39
14	G	822	CLA	OBD-CAD	3.63	1.28	1.22
14	a	830	CLA	OBD-CAD	3.63	1.28	1.22
14	a	810	CLA	OBD-CAD	3.63	1.28	1.22
14	L	201	CLA	CHD-C4C	3.63	1.47	1.39
14	H	834	CLA	OBD-CAD	3.63	1.28	1.22
14	B	833	CLA	CHC-C4B	3.62	1.47	1.39
14	H	805	CLA	CHD-C4C	3.62	1.47	1.39
14	A	823	CLA	OBD-CAD	3.62	1.28	1.22
14	j	1302	CLA	CHB-C1B	3.62	1.47	1.39
14	H	824	CLA	OBD-CAD	3.62	1.28	1.22
14	H	823	CLA	CHC-C4B	3.62	1.47	1.39
14	U	201	CLA	CHD-C4C	3.62	1.47	1.39
14	G	832	CLA	OBD-CAD	3.62	1.28	1.22
14	a	840	CLA	OBD-CAD	3.62	1.28	1.22
14	A	828	CLA	CHD-C4C	3.62	1.47	1.39
14	A	832	CLA	OBD-CAD	3.62	1.28	1.22
14	A	829	CLA	CHD-C4C	3.62	1.47	1.39
14	H	841	CLA	OBD-CAD	3.62	1.28	1.22
14	A	810	CLA	CHB-C1B	3.62	1.47	1.39
14	A	852	CLA	OBD-CAD	3.62	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	811	CLA	C1D-ND	-3.62	1.33	1.37
14	b	812	CLA	CHB-C1B	3.62	1.47	1.39
14	B	805	CLA	CHD-C1D	3.62	1.45	1.38
14	a	842	CLA	OBD-CAD	3.62	1.28	1.22
14	B	836	CLA	CHC-C4B	3.62	1.47	1.39
14	H	840	CLA	CHB-C1B	3.62	1.47	1.39
16	J	1305	BCR	C11-C12	-3.62	1.25	1.34
14	B	841	CLA	OBD-CAD	3.62	1.28	1.22
14	A	832	CLA	CHC-C4B	3.62	1.47	1.39
14	A	824	CLA	OBD-CAD	3.62	1.28	1.22
14	A	828	CLA	OBD-CAD	3.62	1.28	1.22
14	B	820	CLA	OBD-CAD	3.61	1.28	1.22
16	H	847	BCR	C10-C9	-3.61	1.27	1.35
14	b	838	CLA	CHB-C1B	3.61	1.47	1.39
14	b	817	CLA	OBD-CAD	3.61	1.28	1.22
14	X	1701	CLA	CHB-C1B	3.61	1.47	1.39
14	b	832	CLA	OBD-CAD	3.61	1.28	1.22
14	H	840	CLA	CHC-C4B	3.61	1.47	1.39
14	G	822	CLA	CHB-C1B	3.61	1.47	1.39
14	G	804	CLA	CHC-C4B	3.61	1.47	1.39
14	b	807	CLA	OBD-CAD	3.61	1.28	1.22
14	a	822	CLA	CHB-C1B	3.61	1.47	1.39
14	B	838	CLA	CHB-C1B	3.61	1.47	1.39
14	H	805	CLA	OBD-CAD	3.61	1.28	1.22
14	a	824	CLA	OBD-CAD	3.61	1.28	1.22
14	B	836	CLA	CHB-C1B	3.61	1.47	1.39
14	U	207	CLA	OBD-CAD	3.61	1.28	1.22
14	H	842	CLA	CHB-C1B	3.61	1.47	1.39
14	G	814	CLA	CHC-C4B	3.61	1.47	1.39
14	G	835	CLA	CHC-C4B	3.61	1.47	1.39
14	a	837	CLA	CHB-C1B	3.61	1.47	1.39
14	B	833	CLA	OBD-CAD	3.61	1.28	1.22
14	b	840	CLA	OBD-CAD	3.61	1.28	1.22
13	G	801	CL0	CHD-C4C	3.61	1.47	1.39
14	A	836	CLA	CHC-C4B	3.60	1.47	1.39
14	a	805	CLA	CHB-C1B	3.60	1.47	1.39
14	B	813	CLA	OBD-CAD	3.60	1.28	1.22
14	H	829	CLA	CHC-C4B	3.60	1.47	1.39
14	R	101	CLA	OBD-CAD	3.60	1.28	1.22
14	L	206	CLA	OBD-CAD	3.60	1.28	1.22
14	H	820	CLA	OBD-CAD	3.60	1.28	1.22
14	A	822	CLA	CHB-C1B	3.60	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	836	CLA	CHC-C4B	3.60	1.47	1.39
14	a	853	CLA	CHC-C4B	3.60	1.47	1.39
14	a	828	CLA	CHD-C4C	3.60	1.47	1.39
14	a	807	CLA	CHC-C4B	3.60	1.47	1.39
14	B	842	CLA	CHB-C1B	3.60	1.47	1.39
14	H	816	CLA	C3C-C2C	3.60	1.44	1.36
14	W	1701	CLA	CHB-C1B	3.60	1.47	1.39
14	B	802	CLA	OBD-CAD	3.60	1.28	1.22
14	G	810	CLA	CHC-C4B	3.60	1.47	1.39
14	L	201	CLA	CHC-C4B	3.60	1.47	1.39
14	M	1601	CLA	CHB-C1B	3.60	1.47	1.39
14	H	806	CLA	CHC-C4B	3.60	1.47	1.39
14	j	1301	CLA	CHB-C1B	3.60	1.47	1.39
13	a	801	CL0	OBD-CAD	3.60	1.28	1.22
14	A	830	CLA	OBD-CAD	3.60	1.28	1.22
14	G	825	CLA	OBD-CAD	3.60	1.28	1.22
14	a	830	CLA	CHB-C1B	3.60	1.47	1.39
14	b	825	CLA	CHB-C1B	3.60	1.47	1.39
14	b	834	CLA	CHB-C1B	3.60	1.47	1.39
14	G	831	CLA	CHC-C4B	3.59	1.47	1.39
14	G	837	CLA	OBD-CAD	3.59	1.28	1.22
14	H	811	CLA	OBD-CAD	3.59	1.28	1.22
14	A	835	CLA	CHC-C4B	3.59	1.47	1.39
14	A	827	CLA	OBD-CAD	3.59	1.28	1.22
14	B	812	CLA	OBD-CAD	3.59	1.28	1.22
14	b	827	CLA	OBD-CAD	3.59	1.28	1.22
14	L	201	CLA	OBD-CAD	3.59	1.28	1.22
14	a	824	CLA	CHD-C4C	3.59	1.47	1.39
14	b	836	CLA	CHB-C1B	3.59	1.47	1.39
14	A	811	CLA	OBD-CAD	3.59	1.28	1.22
14	Q	202	CLA	CHB-C1B	3.59	1.47	1.39
14	a	814	CLA	CHB-C1B	3.59	1.47	1.39
14	a	853	CLA	OBD-CAD	3.59	1.28	1.22
14	B	817	CLA	CHB-C1B	3.59	1.47	1.39
14	G	823	CLA	OBD-CAD	3.59	1.28	1.22
14	G	824	CLA	CHB-C1B	3.59	1.47	1.39
14	J	1302	CLA	CHB-C1B	3.59	1.47	1.39
14	B	827	CLA	OBD-CAD	3.59	1.28	1.22
14	A	803	CLA	C1D-ND	-3.59	1.33	1.37
14	B	840	CLA	CHC-C4B	3.59	1.47	1.39
14	a	837	CLA	OBD-CAD	3.59	1.28	1.22
14	a	839	CLA	OBD-CAD	3.59	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	205	CLA	OBD-CAD	3.59	1.28	1.22
14	B	831	CLA	CHC-C4B	3.59	1.47	1.39
14	j	1301	CLA	C1D-ND	-3.59	1.33	1.37
14	G	831	CLA	OBD-CAD	3.59	1.28	1.22
14	B	834	CLA	OBD-CAD	3.59	1.28	1.22
14	G	814	CLA	CHB-C1B	3.59	1.47	1.39
14	B	840	CLA	CHB-C1B	3.59	1.47	1.39
14	B	842	CLA	OBD-CAD	3.58	1.28	1.22
14	b	834	CLA	CHC-C4B	3.58	1.47	1.39
14	A	831	CLA	OBD-CAD	3.58	1.28	1.22
14	b	828	CLA	CHC-C4B	3.58	1.47	1.39
14	B	806	CLA	OBD-CAD	3.58	1.28	1.22
14	B	810	CLA	OBD-CAD	3.58	1.28	1.22
14	b	801	CLA	CHD-C1D	3.58	1.45	1.38
14	G	811	CLA	OBD-CAD	3.58	1.28	1.22
14	H	836	CLA	CHC-C4B	3.58	1.47	1.39
14	b	804	CLA	OBD-CAD	3.58	1.28	1.22
14	H	830	CLA	CHB-C1B	3.58	1.47	1.39
14	b	826	CLA	OBD-CAD	3.58	1.28	1.22
14	A	805	CLA	CHB-C1B	3.58	1.47	1.39
14	b	824	CLA	OBD-CAD	3.58	1.28	1.22
13	A	801	CL0	OBD-CAD	3.58	1.28	1.22
14	A	816	CLA	OBD-CAD	3.58	1.28	1.22
14	a	831	CLA	OBD-CAD	3.58	1.28	1.22
14	B	805	CLA	CHC-C4B	3.57	1.47	1.39
14	H	818	CLA	CHC-C4B	3.57	1.47	1.39
14	H	832	CLA	CHB-C1B	3.57	1.47	1.39
14	B	841	CLA	CHB-C1B	3.57	1.47	1.39
14	H	838	CLA	CHC-C4B	3.57	1.47	1.39
14	A	825	CLA	OBD-CAD	3.57	1.28	1.22
14	G	851	CLA	OBD-CAD	3.57	1.28	1.22
14	A	814	CLA	OBD-CAD	3.57	1.28	1.22
14	U	201	CLA	OBD-CAD	3.57	1.28	1.22
14	G	832	CLA	CHC-C4B	3.57	1.47	1.39
14	H	842	CLA	CHC-C4B	3.57	1.47	1.39
14	H	823	CLA	CHB-C1B	3.57	1.47	1.39
14	A	821	CLA	CHB-C1B	3.57	1.47	1.39
14	A	831	CLA	CHC-C4B	3.57	1.47	1.39
14	A	837	CLA	OBD-CAD	3.57	1.28	1.22
14	H	817	CLA	CHC-C4B	3.57	1.47	1.39
14	a	809	CLA	CHC-C4B	3.57	1.47	1.39
14	a	811	CLA	CHB-C1B	3.57	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	841	CLA	CHB-C1B	3.57	1.47	1.39
14	b	836	CLA	CHC-C4B	3.57	1.47	1.39
14	G	836	CLA	CHC-C4B	3.57	1.47	1.39
14	H	841	CLA	CHB-C1B	3.57	1.47	1.39
14	A	836	CLA	CHB-C1B	3.57	1.47	1.39
14	a	826	CLA	CHB-C1B	3.57	1.47	1.39
14	H	838	CLA	CHB-C1B	3.56	1.47	1.39
14	B	832	CLA	C1B-NB	-3.56	1.33	1.37
14	a	802	CLA	CHB-C1B	3.56	1.47	1.39
14	a	836	CLA	CHB-C1B	3.56	1.47	1.39
14	G	808	CLA	CHC-C4B	3.56	1.47	1.39
14	H	815	CLA	OBD-CAD	3.56	1.28	1.22
14	H	817	CLA	CHB-C1B	3.56	1.47	1.39
14	b	802	CLA	OBD-CAD	3.56	1.28	1.22
14	b	822	CLA	CHB-C1B	3.56	1.47	1.39
16	S	104	BCR	C11-C12	-3.56	1.25	1.34
13	G	801	CL0	CHC-C4B	3.56	1.47	1.39
14	B	839	CLA	CHB-C1B	3.56	1.47	1.39
14	b	809	CLA	OBD-CAD	3.56	1.28	1.22
14	G	804	CLA	CHB-C1B	3.56	1.47	1.39
14	G	840	CLA	CHB-C1B	3.56	1.47	1.39
14	G	824	CLA	OBD-CAD	3.56	1.28	1.22
14	a	822	CLA	OBD-CAD	3.56	1.28	1.22
14	b	827	CLA	CHB-C1B	3.56	1.47	1.39
14	a	821	CLA	CHB-C1B	3.56	1.47	1.39
14	U	206	CLA	OBD-CAD	3.56	1.28	1.22
14	A	840	CLA	CHB-C1B	3.56	1.47	1.39
14	A	804	CLA	CHD-C4C	3.56	1.47	1.39
14	b	814	CLA	CHB-C1B	3.56	1.47	1.39
14	a	832	CLA	CHC-C4B	3.56	1.47	1.39
14	T	101	CLA	CHB-C1B	3.56	1.47	1.39
14	B	832	CLA	OBD-CAD	3.56	1.28	1.22
14	B	801	CLA	C1B-NB	-3.55	1.33	1.37
14	b	840	CLA	CHC-C4B	3.55	1.47	1.39
14	S	101	CLA	CHB-C1B	3.55	1.47	1.39
14	G	821	CLA	CHB-C1B	3.55	1.47	1.39
14	G	835	CLA	CHB-C1B	3.55	1.47	1.39
14	a	831	CLA	CHC-C4B	3.55	1.47	1.39
14	H	839	CLA	OBD-CAD	3.55	1.28	1.22
14	H	802	CLA	OBD-CAD	3.55	1.28	1.22
14	b	832	CLA	CHC-C4B	3.55	1.47	1.39
14	B	806	CLA	CHD-C1D	3.55	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	802	CLA	OBD-CAD	3.55	1.28	1.22
14	k	101	CLA	CHB-C1B	3.55	1.47	1.39
14	H	822	CLA	OBD-CAD	3.55	1.28	1.22
14	a	810	CLA	CHB-C1B	3.55	1.47	1.39
14	a	841	CLA	OBD-CAD	3.55	1.28	1.22
14	B	811	CLA	OBD-CAD	3.55	1.28	1.22
14	A	826	CLA	CHB-C1B	3.55	1.47	1.39
14	a	802	CLA	OBD-CAD	3.55	1.28	1.22
14	G	828	CLA	CHD-C4C	3.55	1.47	1.39
14	A	841	CLA	CHB-C1B	3.55	1.47	1.39
14	a	818	CLA	CHC-C4B	3.55	1.47	1.39
14	B	839	CLA	OBD-CAD	3.55	1.28	1.22
14	G	818	CLA	CHB-C1B	3.55	1.47	1.39
14	B	830	CLA	CHB-C1B	3.55	1.47	1.39
14	B	801	CLA	C1D-ND	-3.55	1.33	1.37
14	H	810	CLA	OBD-CAD	3.55	1.28	1.22
14	U	201	CLA	CHC-C4B	3.54	1.47	1.39
14	a	828	CLA	CHC-C4B	3.54	1.47	1.39
14	A	802	CLA	CHB-C1B	3.54	1.47	1.39
14	a	837	CLA	CHC-C4B	3.54	1.47	1.39
14	G	826	CLA	CHB-C1B	3.54	1.47	1.39
14	B	811	CLA	CHC-C4B	3.54	1.47	1.39
14	b	806	CLA	CHB-C1B	3.54	1.47	1.39
16	B	847	BCR	C10-C9	-3.54	1.27	1.35
14	G	805	CLA	CHB-C1B	3.54	1.47	1.39
14	G	830	CLA	CHB-C1B	3.54	1.47	1.39
14	G	809	CLA	CHC-C4B	3.54	1.47	1.39
14	R	101	CLA	CHC-C4B	3.54	1.47	1.39
14	G	840	CLA	CHC-C4B	3.54	1.47	1.39
14	a	835	CLA	CHC-C4B	3.54	1.47	1.39
14	H	834	CLA	CHC-C4B	3.54	1.47	1.39
14	b	818	CLA	CHB-C1B	3.54	1.47	1.39
14	b	839	CLA	CHB-C1B	3.54	1.47	1.39
14	b	808	CLA	C1D-ND	-3.54	1.33	1.37
14	H	818	CLA	CHB-C1B	3.53	1.47	1.39
14	A	802	CLA	OBD-CAD	3.53	1.28	1.22
14	H	801	CLA	CHD-C1D	3.53	1.45	1.38
14	G	802	CLA	CHB-C1B	3.53	1.47	1.39
14	A	804	CLA	CHB-C1B	3.53	1.47	1.39
14	A	808	CLA	OBD-CAD	3.53	1.28	1.22
14	U	205	CLA	OBD-CAD	3.53	1.28	1.22
14	A	821	CLA	CHC-C4B	3.53	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	205	CLA	CHB-C1B	3.52	1.47	1.39
14	A	819	CLA	CHB-C1B	3.52	1.47	1.39
13	G	801	CL0	OBD-CAD	3.52	1.28	1.22
14	H	821	CLA	CHC-C4B	3.52	1.47	1.39
14	l	205	CLA	OBD-CAD	3.52	1.28	1.22
14	B	837	CLA	CHB-C1B	3.52	1.47	1.39
14	B	811	CLA	C1D-ND	-3.52	1.33	1.37
14	H	810	CLA	CHC-C4B	3.52	1.47	1.39
14	b	829	CLA	OBD-CAD	3.52	1.28	1.22
14	B	809	CLA	CHB-C1B	3.52	1.47	1.39
14	J	1301	CLA	CHB-C1B	3.52	1.47	1.39
14	b	820	CLA	CHC-C4B	3.52	1.47	1.39
14	b	807	CLA	CHC-C4B	3.52	1.47	1.39
13	a	801	CL0	CHC-C4B	3.52	1.47	1.39
14	a	829	CLA	CHB-C1B	3.52	1.47	1.39
14	a	834	CLA	CHB-C1B	3.52	1.47	1.39
14	G	833	CLA	OBD-CAD	3.52	1.28	1.22
14	B	832	CLA	MG-ND	-3.52	1.98	2.05
14	H	815	CLA	CHB-C1B	3.51	1.47	1.39
14	A	840	CLA	OBD-CAD	3.51	1.28	1.22
16	U	202	BCR	C11-C12	-3.51	1.25	1.34
14	l	204	CLA	OBD-CAD	3.51	1.28	1.22
14	A	835	CLA	CHB-C1B	3.51	1.47	1.39
14	G	837	CLA	CHC-C4B	3.51	1.47	1.39
14	H	837	CLA	CHB-C1B	3.51	1.47	1.39
14	j	1301	CLA	OBD-CAD	3.51	1.28	1.22
14	A	838	CLA	CHB-C1B	3.51	1.47	1.39
14	G	815	CLA	CHB-C1B	3.51	1.47	1.39
14	b	837	CLA	CHB-C1B	3.51	1.47	1.39
14	A	826	CLA	CHD-C4C	3.51	1.47	1.39
14	B	803	CLA	CHB-C1B	3.51	1.47	1.39
14	a	833	CLA	OBD-CAD	3.51	1.28	1.22
14	b	823	CLA	CHD-C1D	3.51	1.45	1.38
14	A	820	CLA	CHB-C1B	3.51	1.47	1.39
14	b	814	CLA	CHC-C4B	3.51	1.47	1.39
14	G	836	CLA	CHB-C1B	3.51	1.47	1.39
14	b	808	CLA	OBD-CAD	3.51	1.28	1.22
14	A	829	CLA	OBD-CAD	3.50	1.28	1.22
14	A	809	CLA	CHC-C4B	3.50	1.47	1.39
14	A	837	CLA	CHC-C4B	3.50	1.47	1.39
14	B	817	CLA	CHC-C4B	3.50	1.47	1.39
14	A	840	CLA	CHC-C4B	3.50	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	827	CLA	CHB-C1B	3.50	1.47	1.39
14	b	835	CLA	CHB-C1B	3.50	1.47	1.39
14	a	853	CLA	CHD-C1D	3.50	1.45	1.38
14	B	832	CLA	CHC-C4B	3.50	1.47	1.39
14	b	820	CLA	CHB-C1B	3.50	1.47	1.39
14	B	822	CLA	OBD-CAD	3.50	1.28	1.22
14	k	102	CLA	CHB-C1B	3.50	1.47	1.39
14	G	840	CLA	OBD-CAD	3.50	1.28	1.22
14	A	828	CLA	CHC-C4B	3.50	1.47	1.39
14	H	809	CLA	CHB-C1B	3.50	1.47	1.39
14	a	816	CLA	CHB-C1B	3.50	1.47	1.39
14	G	819	CLA	CHB-C1B	3.50	1.47	1.39
14	A	811	CLA	CHB-C1B	3.50	1.47	1.39
14	a	821	CLA	CHC-C4B	3.50	1.47	1.39
16	j	1305	BCR	C11-C12	-3.49	1.25	1.34
14	l	204	CLA	CHB-C1B	3.49	1.47	1.39
14	H	839	CLA	CHB-C1B	3.49	1.47	1.39
14	A	805	CLA	OBD-CAD	3.49	1.28	1.22
14	a	820	CLA	CHB-C1B	3.49	1.47	1.39
14	a	819	CLA	CHB-C1B	3.49	1.47	1.39
14	L	206	CLA	CHB-C1B	3.49	1.47	1.39
13	A	801	CL0	CHC-C4B	3.49	1.47	1.39
14	H	803	CLA	CHB-C1B	3.49	1.47	1.39
14	B	815	CLA	C1D-ND	-3.49	1.33	1.37
14	H	821	CLA	CHB-C1B	3.49	1.47	1.39
14	a	841	CLA	CHC-C4B	3.49	1.47	1.39
14	G	808	CLA	CHB-C1B	3.49	1.47	1.39
14	G	820	CLA	CHB-C1B	3.49	1.47	1.39
14	K	1401	CLA	CHB-C1B	3.49	1.47	1.39
16	f	201	BCR	C11-C12	-3.49	1.25	1.34
14	B	815	CLA	OBD-CAD	3.49	1.28	1.22
14	a	805	CLA	OBD-CAD	3.48	1.28	1.22
14	G	807	CLA	CHB-C1B	3.48	1.47	1.39
14	H	814	CLA	CHB-C1B	3.48	1.47	1.39
14	B	821	CLA	CHB-C1B	3.48	1.47	1.39
14	a	852	CLA	CHD-C4C	3.48	1.47	1.39
14	b	820	CLA	OBD-CAD	3.48	1.28	1.22
16	H	849	BCR	C11-C12	-3.48	1.25	1.34
14	b	829	CLA	CHC-C4B	3.48	1.47	1.39
16	G	847	BCR	C11-C12	-3.48	1.25	1.34
14	B	823	CLA	CHC-C4B	3.48	1.47	1.39
14	b	837	CLA	OBD-CAD	3.48	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	805	CLA	OBD-CAD	3.48	1.28	1.22
14	A	808	CLA	CHB-C1B	3.48	1.47	1.39
16	b	850	BCR	C11-C12	-3.48	1.25	1.34
14	A	830	CLA	CHB-C1B	3.48	1.47	1.39
14	G	834	CLA	CHB-C1B	3.48	1.47	1.39
14	G	838	CLA	CHB-C1B	3.47	1.47	1.39
14	a	839	CLA	CHB-C1B	3.47	1.47	1.39
14	L	205	CLA	CHB-C1B	3.47	1.47	1.39
14	a	852	CLA	C1D-ND	-3.47	1.33	1.37
14	l	203	CLA	OBD-CAD	3.47	1.28	1.22
16	l	201	BCR	C11-C12	-3.47	1.25	1.34
14	a	808	CLA	CHB-C1B	3.47	1.47	1.39
14	A	852	CLA	C1D-ND	-3.47	1.33	1.37
14	B	823	CLA	CHB-C1B	3.47	1.47	1.39
14	B	834	CLA	CHC-C4B	3.47	1.47	1.39
14	U	201	CLA	CHB-C1B	3.47	1.47	1.39
14	A	852	CLA	CHD-C4C	3.47	1.47	1.39
14	B	815	CLA	CHD-C4C	3.47	1.47	1.39
14	H	820	CLA	CHB-C1B	3.47	1.47	1.39
14	G	829	CLA	OBD-CAD	3.47	1.28	1.22
14	A	815	CLA	CHB-C1B	3.47	1.47	1.39
14	A	810	CLA	CHC-C4B	3.47	1.47	1.39
14	j	1301	CLA	CHD-C4C	3.47	1.47	1.39
14	B	829	CLA	CHC-C4B	3.47	1.47	1.39
14	b	803	CLA	CHB-C1B	3.47	1.47	1.39
14	J	1301	CLA	C3D-C2D	3.47	1.48	1.39
14	L	204	CLA	OBD-CAD	3.46	1.28	1.22
14	H	833	CLA	CHB-C1B	3.46	1.47	1.39
14	a	832	CLA	CHB-C1B	3.46	1.47	1.39
14	U	207	CLA	CHB-C1B	3.46	1.47	1.39
16	L	202	BCR	C11-C12	-3.46	1.25	1.34
16	A	848	BCR	C11-C12	-3.46	1.25	1.34
14	b	829	CLA	MG-ND	-3.46	1.98	2.05
14	T	102	CLA	CHB-C1B	3.46	1.47	1.39
14	G	821	CLA	OBD-CAD	3.46	1.28	1.22
14	U	206	CLA	CHB-C1B	3.46	1.47	1.39
14	J	1301	CLA	CHD-C4C	3.46	1.47	1.39
13	a	801	CL0	C1D-ND	-3.46	1.33	1.37
14	b	831	CLA	CHB-C1B	3.46	1.47	1.39
14	a	807	CLA	CHB-C1B	3.46	1.47	1.39
14	A	818	CLA	CHC-C4B	3.45	1.47	1.39
14	H	825	CLA	OBD-CAD	3.45	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	829	CLA	CHB-C1B	3.45	1.47	1.39
16	b	847	BCR	C11-C12	-3.45	1.25	1.34
14	H	812	CLA	MG-ND	-3.45	1.98	2.05
14	b	821	CLA	OBD-CAD	3.45	1.28	1.22
14	l	203	CLA	CHB-C1B	3.45	1.47	1.39
14	H	828	CLA	OBD-CAD	3.45	1.28	1.22
14	G	812	CLA	CHD-C4C	3.45	1.47	1.39
14	G	811	CLA	CHB-C1B	3.45	1.47	1.39
14	B	819	CLA	OBD-CAD	3.45	1.28	1.22
14	a	835	CLA	OBD-CAD	3.45	1.28	1.22
14	A	824	CLA	CHB-C1B	3.45	1.47	1.39
14	b	824	CLA	CHB-C1B	3.45	1.47	1.39
14	b	817	CLA	CHB-C1B	3.45	1.47	1.39
14	A	834	CLA	CHB-C1B	3.45	1.47	1.39
14	H	805	CLA	CHB-C1B	3.44	1.47	1.39
14	b	833	CLA	CHB-C1B	3.44	1.47	1.39
14	B	828	CLA	OBD-CAD	3.44	1.28	1.22
14	H	834	CLA	CHB-C1B	3.44	1.47	1.39
14	U	205	CLA	CHB-C1B	3.44	1.47	1.39
14	H	811	CLA	CHC-C4B	3.44	1.47	1.39
14	m	1201	CLA	CHB-C1B	3.44	1.47	1.39
14	G	821	CLA	CHC-C4B	3.44	1.47	1.39
14	G	828	CLA	CHC-C4B	3.44	1.47	1.39
14	B	820	CLA	CHB-C1B	3.44	1.47	1.39
14	a	835	CLA	CHB-C1B	3.44	1.47	1.39
14	A	821	CLA	OBD-CAD	3.44	1.28	1.22
14	G	835	CLA	OBD-CAD	3.44	1.28	1.22
14	H	831	CLA	CHC-C4B	3.44	1.47	1.39
14	b	812	CLA	OBD-CAD	3.44	1.28	1.22
14	B	835	CLA	CHB-C1B	3.44	1.47	1.39
16	H	850	BCR	C11-C12	-3.44	1.25	1.34
16	a	848	BCR	C11-C12	-3.44	1.25	1.34
14	a	815	CLA	CHB-C1B	3.44	1.47	1.39
14	B	803	CLA	OBD-CAD	3.44	1.28	1.22
14	B	831	CLA	CHB-C1B	3.43	1.47	1.39
14	b	829	CLA	C1B-NB	-3.43	1.33	1.37
14	a	818	CLA	CHB-C1B	3.43	1.47	1.39
14	G	818	CLA	CHC-C4B	3.43	1.47	1.39
14	b	823	CLA	MG-ND	-3.43	1.99	2.05
14	B	842	CLA	CHC-C4B	3.43	1.47	1.39
14	b	804	CLA	CHD-C4C	3.43	1.47	1.39
14	b	818	CLA	CHC-C4B	3.43	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	J	1304	BCR	C11-C12	-3.43	1.25	1.34
14	G	851	CLA	CHC-C4B	3.43	1.47	1.39
14	G	812	CLA	OBD-CAD	3.43	1.28	1.22
14	H	806	CLA	MG-ND	-3.43	1.99	2.05
14	A	810	CLA	OBD-CAD	3.42	1.28	1.22
14	a	812	CLA	CHB-C1B	3.42	1.47	1.39
14	J	1301	CLA	OBD-CAD	3.42	1.28	1.22
14	a	839	CLA	CHC-C4B	3.42	1.47	1.39
14	A	822	CLA	OBD-CAD	3.42	1.28	1.22
14	G	812	CLA	CHB-C1B	3.42	1.47	1.39
14	b	832	CLA	CHB-C1B	3.42	1.47	1.39
14	b	829	CLA	CHB-C1B	3.42	1.47	1.39
14	b	830	CLA	CHB-C1B	3.42	1.47	1.39
14	L	201	CLA	CHB-C1B	3.42	1.47	1.39
14	L	204	CLA	CHB-C1B	3.42	1.47	1.39
14	B	805	CLA	OBD-CAD	3.42	1.28	1.22
16	a	849	BCR	C11-C12	-3.42	1.25	1.34
14	a	804	CLA	CHB-C1B	3.42	1.47	1.39
16	b	846	BCR	C11-C12	-3.42	1.25	1.34
14	R	101	CLA	CHB-C1B	3.42	1.47	1.39
14	b	823	CLA	CHB-C1B	3.42	1.47	1.39
14	A	820	CLA	OBD-CAD	3.41	1.28	1.22
14	G	833	CLA	CHB-C1B	3.41	1.47	1.39
14	b	806	CLA	OBD-CAD	3.41	1.28	1.22
14	A	824	CLA	CHC-C4B	3.41	1.47	1.39
14	H	809	CLA	OBD-CAD	3.41	1.28	1.22
16	G	848	BCR	C11-C12	-3.41	1.25	1.34
14	A	818	CLA	CHB-C1B	3.41	1.47	1.39
14	b	805	CLA	CHB-C1B	3.41	1.47	1.39
16	j	1304	BCR	C11-C12	-3.41	1.25	1.34
14	H	830	CLA	CHC-C4B	3.41	1.47	1.39
14	b	828	CLA	CHB-C1B	3.41	1.47	1.39
14	b	809	CLA	C1B-NB	-3.41	1.33	1.37
14	A	807	CLA	CHB-C1B	3.41	1.47	1.39
14	a	810	CLA	CHC-C4B	3.41	1.47	1.39
14	A	835	CLA	OBD-CAD	3.41	1.28	1.22
16	A	849	BCR	C11-C12	-3.41	1.25	1.34
14	H	835	CLA	CHB-C1B	3.40	1.47	1.39
14	A	832	CLA	CHB-C1B	3.40	1.47	1.39
13	A	801	CL0	MG-ND	-3.40	1.99	2.05
14	H	831	CLA	CHB-C1B	3.40	1.47	1.39
14	H	805	CLA	C1D-ND	-3.40	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	833	CLA	CHB-C1B	3.40	1.47	1.39
14	b	819	CLA	CHD-C4C	3.40	1.46	1.39
14	b	825	CLA	OBD-CAD	3.40	1.28	1.22
14	H	812	CLA	C1B-NB	-3.40	1.33	1.37
14	a	833	CLA	CHB-C1B	3.40	1.47	1.39
14	B	809	CLA	OBD-CAD	3.40	1.28	1.22
14	G	820	CLA	OBD-CAD	3.40	1.28	1.22
16	G	845	BCR	C11-C12	-3.40	1.25	1.34
14	b	803	CLA	OBD-CAD	3.39	1.28	1.22
16	H	848	BCR	C11-C12	-3.39	1.25	1.34
16	B	849	BCR	C11-C12	-3.39	1.25	1.34
14	U	206	CLA	C1D-ND	-3.39	1.33	1.37
14	A	812	CLA	CHB-C1B	3.38	1.47	1.39
14	H	819	CLA	CHC-C4B	3.38	1.47	1.39
14	b	827	CLA	CHC-C4B	3.38	1.47	1.39
16	H	846	BCR	C11-C12	-3.38	1.25	1.34
14	H	832	CLA	CHC-C4B	3.38	1.47	1.39
14	H	842	CLA	C1D-ND	-3.38	1.33	1.37
14	B	830	CLA	CHC-C4B	3.38	1.47	1.39
14	G	836	CLA	OBD-CAD	3.38	1.28	1.22
14	A	836	CLA	OBD-CAD	3.38	1.28	1.22
14	b	836	CLA	OBD-CAD	3.38	1.28	1.22
14	a	836	CLA	OBD-CAD	3.38	1.28	1.22
14	B	808	CLA	CHB-C1B	3.38	1.47	1.39
16	G	846	BCR	C11-C12	-3.38	1.25	1.34
14	A	831	CLA	CHB-C1B	3.38	1.47	1.39
14	b	808	CLA	CHC-C4B	3.38	1.47	1.39
14	A	833	CLA	C1D-ND	-3.37	1.33	1.37
14	l	204	CLA	C1D-ND	-3.37	1.33	1.37
14	a	820	CLA	OBD-CAD	3.37	1.28	1.22
14	H	838	CLA	C3D-C2D	3.37	1.48	1.39
14	H	842	CLA	OBD-CAD	3.37	1.28	1.22
14	H	827	CLA	CHB-C1B	3.37	1.47	1.39
14	B	827	CLA	C1D-ND	-3.37	1.33	1.37
14	L	205	CLA	C1D-ND	-3.37	1.33	1.37
14	a	831	CLA	CHB-C1B	3.37	1.47	1.39
14	H	808	CLA	CHB-C1B	3.36	1.47	1.39
16	S	103	BCR	C11-C12	-3.36	1.25	1.34
16	a	846	BCR	C11-C12	-3.36	1.25	1.34
14	G	816	CLA	CHB-C1B	3.36	1.47	1.39
14	B	832	CLA	CHB-C1B	3.36	1.47	1.39
14	b	819	CLA	MG-NC	3.36	2.14	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	846	BCR	C11-C12	-3.36	1.25	1.34
14	B	812	CLA	C1B-NB	-3.36	1.33	1.37
14	H	819	CLA	OBD-CAD	3.36	1.28	1.22
14	B	821	CLA	C1C-NC	-3.36	1.32	1.37
14	a	810	CLA	C1B-NB	-3.36	1.33	1.37
14	A	833	CLA	CHB-C1B	3.36	1.46	1.39
14	B	834	CLA	CHB-C1B	3.35	1.46	1.39
14	H	823	CLA	OBD-CAD	3.35	1.28	1.22
14	b	804	CLA	MG-ND	-3.35	1.99	2.05
14	a	803	CLA	CHB-C1B	3.35	1.46	1.39
16	B	846	BCR	C11-C12	-3.35	1.25	1.34
14	G	832	CLA	CHB-C1B	3.35	1.46	1.39
16	A	847	BCR	C11-C12	-3.35	1.25	1.34
14	A	816	CLA	CHB-C1B	3.35	1.46	1.39
16	b	844	BCR	C11-C12	-3.34	1.25	1.34
14	a	828	CLA	C1D-ND	-3.34	1.33	1.37
14	A	824	CLA	CHD-C4C	3.34	1.46	1.39
14	B	823	CLA	OBD-CAD	3.34	1.28	1.22
16	G	844	BCR	C11-C12	-3.34	1.26	1.34
14	a	838	CLA	CHB-C1B	3.34	1.46	1.39
14	b	812	CLA	C1D-ND	-3.34	1.33	1.37
16	a	844	BCR	C11-C12	-3.34	1.26	1.34
14	G	841	CLA	CHB-C1B	3.33	1.46	1.39
14	H	832	CLA	C1B-NB	-3.33	1.33	1.37
14	b	812	CLA	MG-NC	3.33	2.14	2.06
14	a	804	CLA	OBD-CAD	3.33	1.28	1.22
14	b	801	CLA	C1D-ND	-3.33	1.33	1.37
14	a	853	CLA	C1B-NB	-3.33	1.33	1.37
16	B	848	BCR	C11-C12	-3.33	1.26	1.34
16	F	202	BCR	C11-C12	-3.33	1.26	1.34
16	a	845	BCR	C11-C12	-3.33	1.26	1.34
14	A	803	CLA	CHB-C1B	3.33	1.46	1.39
16	A	845	BCR	C11-C12	-3.33	1.26	1.34
14	B	826	CLA	CHB-C1B	3.33	1.46	1.39
14	G	851	CLA	C1B-NB	-3.33	1.33	1.37
14	A	804	CLA	OBD-CAD	3.33	1.28	1.22
16	m	1203	BCR	C11-C12	-3.32	1.26	1.34
14	B	812	CLA	C1D-ND	-3.32	1.33	1.37
14	G	831	CLA	CHB-C1B	3.32	1.46	1.39
16	a	847	BCR	C11-C12	-3.32	1.26	1.34
14	a	817	CLA	CHB-C1B	3.32	1.46	1.39
14	b	816	CLA	CHC-C4B	3.32	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	201	CLA	CHB-C1B	3.32	1.46	1.39
14	B	814	CLA	CHB-C1B	3.32	1.46	1.39
14	A	842	CLA	CHB-C1B	3.32	1.46	1.39
14	a	842	CLA	CHB-C1B	3.32	1.46	1.39
14	A	817	CLA	CHB-C1B	3.32	1.46	1.39
16	A	844	BCR	C11-C12	-3.32	1.26	1.34
16	M	1602	BCR	C11-C12	-3.32	1.26	1.34
16	b	848	BCR	C11-C12	-3.32	1.26	1.34
16	B	852	BCR	C11-C12	-3.32	1.26	1.34
14	G	813	CLA	CHB-C1B	3.32	1.46	1.39
14	A	812	CLA	OBD-CAD	3.31	1.28	1.22
14	H	832	CLA	C1D-ND	-3.31	1.33	1.37
14	H	808	CLA	C3C-C2C	3.31	1.43	1.36
14	b	819	CLA	MG-ND	-3.31	1.99	2.05
14	Q	201	CLA	CHB-C1B	3.31	1.46	1.39
14	b	824	CLA	C1D-ND	-3.31	1.33	1.37
14	B	822	CLA	MG-NC	3.31	2.14	2.06
14	b	822	CLA	OBD-CAD	3.31	1.28	1.22
16	i	101	BCR	C11-C12	-3.31	1.26	1.34
16	B	850	BCR	C11-C12	-3.31	1.26	1.34
14	B	838	CLA	OBD-CAD	3.31	1.28	1.22
14	B	826	CLA	C1B-NB	-3.31	1.33	1.37
14	B	807	CLA	CHB-C1B	3.31	1.46	1.39
14	G	804	CLA	OBD-CAD	3.31	1.28	1.22
14	B	829	CLA	CHB-C1B	3.31	1.46	1.39
14	H	806	CLA	CHD-C4C	3.30	1.46	1.39
14	H	829	CLA	C1D-ND	-3.30	1.33	1.37
14	b	813	CLA	CHB-C1B	3.30	1.46	1.39
14	G	817	CLA	C1B-NB	-3.30	1.33	1.37
14	b	801	CLA	MG-NC	3.30	2.14	2.06
14	H	827	CLA	C1D-ND	-3.30	1.33	1.37
14	a	839	CLA	C1B-NB	-3.30	1.33	1.37
16	V	1602	BCR	C11-C12	-3.30	1.26	1.34
14	j	1301	CLA	C3D-C2D	3.30	1.48	1.39
14	G	851	CLA	CHB-C1B	3.30	1.46	1.39
14	A	825	CLA	CHB-C1B	3.30	1.46	1.39
14	b	809	CLA	C1D-ND	-3.30	1.33	1.37
14	b	827	CLA	C1B-NB	-3.29	1.33	1.37
16	I	101	BCR	C11-C12	-3.29	1.26	1.34
14	H	815	CLA	C1D-ND	-3.29	1.33	1.37
14	B	806	CLA	C1B-NB	-3.29	1.33	1.37
16	G	843	BCR	C11-C12	-3.29	1.26	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	813	CLA	CHB-C1B	3.29	1.46	1.39
14	G	825	CLA	CHB-C1B	3.28	1.46	1.39
14	b	826	CLA	CHB-C1B	3.28	1.46	1.39
14	b	826	CLA	C1D-ND	-3.28	1.33	1.37
14	J	1301	CLA	MG-ND	-3.28	1.99	2.05
14	H	822	CLA	MG-NC	3.28	2.14	2.06
14	B	825	CLA	OBD-CAD	3.28	1.28	1.22
14	a	825	CLA	CHB-C1B	3.28	1.46	1.39
14	H	831	CLA	C1B-NB	-3.28	1.33	1.37
16	H	852	BCR	C11-C12	-3.28	1.26	1.34
14	B	804	CLA	CHB-C1B	3.28	1.46	1.39
14	a	853	CLA	CHD-C4C	3.28	1.46	1.39
14	H	804	CLA	CHB-C1B	3.28	1.46	1.39
14	Q	202	CLA	C1D-ND	-3.28	1.33	1.37
16	b	843	BCR	C11-C12	-3.27	1.26	1.34
16	L	209	BCR	C11-C12	-3.27	1.26	1.34
14	b	811	CLA	CHB-C1B	3.27	1.46	1.39
14	a	829	CLA	OBD-CAD	3.27	1.28	1.22
14	V	1601	CLA	MG-NC	3.27	2.14	2.06
14	H	802	CLA	CHB-C1B	3.27	1.46	1.39
16	B	845	BCR	C11-C12	-3.27	1.26	1.34
16	H	845	BCR	C11-C12	-3.27	1.26	1.34
14	H	807	CLA	C1B-NB	-3.27	1.33	1.37
16	U	208	BCR	C11-C12	-3.26	1.26	1.34
14	b	827	CLA	MG-ND	-3.26	1.99	2.05
14	A	828	CLA	C1D-ND	-3.26	1.33	1.37
14	G	828	CLA	C1B-NB	-3.26	1.33	1.37
14	B	806	CLA	CHB-C1B	3.26	1.46	1.39
14	A	827	CLA	CHB-C1B	3.26	1.46	1.39
16	U	203	BCR	C11-C12	-3.26	1.26	1.34
14	B	829	CLA	C1D-ND	-3.25	1.33	1.37
14	b	828	CLA	C1D-ND	-3.25	1.33	1.37
14	G	840	CLA	C1D-ND	-3.25	1.33	1.37
14	H	803	CLA	OBD-CAD	3.25	1.28	1.22
14	b	809	CLA	MG-ND	-3.25	1.99	2.05
14	B	819	CLA	CHC-C4B	3.25	1.46	1.39
14	A	824	CLA	MG-NC	3.25	2.14	2.06
14	B	826	CLA	C3D-C2D	3.25	1.47	1.39
14	G	803	CLA	CHB-C1B	3.24	1.46	1.39
14	a	824	CLA	MG-NC	3.24	2.14	2.06
14	b	801	CLA	C4D-CHA	3.24	1.49	1.38
14	B	805	CLA	C1B-NB	-3.24	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	1301	CLA	MG-ND	-3.24	1.99	2.05
14	G	824	CLA	C1D-ND	-3.24	1.33	1.37
14	B	802	CLA	CHB-C1B	3.24	1.46	1.39
14	B	803	CLA	C1D-ND	-3.24	1.33	1.37
16	l	206	BCR	C11-C12	-3.24	1.26	1.34
14	H	826	CLA	C1B-NB	-3.24	1.33	1.37
14	G	803	CLA	MG-ND	-3.23	1.99	2.05
14	B	822	CLA	C3D-C2D	3.23	1.47	1.39
14	G	824	CLA	MG-NC	3.23	2.13	2.06
16	l	202	BCR	C11-C12	-3.23	1.26	1.34
14	H	832	CLA	MG-ND	-3.23	1.99	2.05
14	b	826	CLA	MG-ND	-3.23	1.99	2.05
13	G	801	CL0	MG-ND	-3.23	1.99	2.05
14	B	812	CLA	CHC-C4B	3.23	1.46	1.39
14	M	1601	CLA	MG-NC	3.23	2.13	2.06
14	m	1202	CLA	MG-NC	3.23	2.13	2.06
14	a	827	CLA	CHB-C1B	3.23	1.46	1.39
14	A	830	CLA	C1D-ND	-3.22	1.33	1.37
14	A	840	CLA	C1D-ND	-3.22	1.33	1.37
14	B	805	CLA	CHD-C4C	3.22	1.46	1.39
16	Q	203	BCR	C11-C12	-3.22	1.26	1.34
14	H	834	CLA	C1B-NB	-3.22	1.33	1.37
14	a	812	CLA	OBD-CAD	3.22	1.28	1.22
14	j	1301	CLA	MG-NC	3.22	2.13	2.06
14	b	827	CLA	C1D-ND	-3.22	1.33	1.37
14	a	841	CLA	C1D-ND	-3.21	1.33	1.37
14	H	840	CLA	OBD-CAD	3.21	1.28	1.22
14	A	824	CLA	C3D-C2D	3.21	1.47	1.39
16	B	847	BCR	C11-C12	-3.21	1.26	1.34
14	H	829	CLA	MG-ND	-3.21	1.99	2.05
16	B	844	BCR	C11-C12	-3.21	1.26	1.34
14	j	1302	CLA	MG-NC	3.21	2.13	2.06
14	B	840	CLA	OBD-CAD	3.21	1.28	1.22
16	H	844	BCR	C11-C12	-3.21	1.26	1.34
14	a	853	CLA	CHB-C1B	3.21	1.46	1.39
14	H	825	CLA	C3D-C2D	3.20	1.47	1.39
14	H	815	CLA	MG-NC	3.20	2.13	2.06
14	H	839	CLA	C1D-ND	-3.20	1.33	1.37
16	L	207	BCR	C11-C12	-3.20	1.26	1.34
13	A	801	CL0	C1B-NB	-3.20	1.33	1.37
14	J	1301	CLA	MG-NC	3.20	2.13	2.06
14	G	828	CLA	C1D-ND	-3.20	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	830	CLA	MG-ND	-3.19	1.99	2.05
14	A	818	CLA	C1B-NB	-3.19	1.33	1.37
14	a	813	CLA	CHB-C1B	3.19	1.46	1.39
14	G	851	CLA	C3D-C2D	3.19	1.47	1.39
14	b	802	CLA	CHB-C1B	3.19	1.46	1.39
14	b	822	CLA	C3D-C2D	3.19	1.47	1.39
14	J	1302	CLA	MG-NC	3.19	2.13	2.06
14	S	101	CLA	MG-NC	3.19	2.13	2.06
14	a	824	CLA	MG-ND	-3.19	1.99	2.05
14	G	851	CLA	C1C-NC	-3.18	1.32	1.37
13	G	801	CL0	C1B-NB	-3.18	1.33	1.37
14	H	803	CLA	C1D-ND	-3.18	1.33	1.37
16	R	102	BCR	C11-C12	-3.18	1.26	1.34
13	a	801	CL0	C1B-NB	-3.18	1.33	1.37
14	B	834	CLA	C1B-NB	-3.18	1.33	1.37
14	A	839	CLA	C1D-ND	-3.18	1.33	1.37
14	B	819	CLA	MG-NC	3.18	2.13	2.06
14	b	838	CLA	OBD-CAD	3.18	1.28	1.22
14	B	822	CLA	C1D-ND	-3.17	1.33	1.37
14	G	817	CLA	MG-ND	-3.17	1.99	2.05
14	B	821	CLA	CHC-C4B	3.17	1.46	1.39
16	b	842	BCR	C11-C12	-3.17	1.26	1.34
14	B	831	CLA	C1B-NB	-3.17	1.33	1.37
14	H	827	CLA	C1B-NB	-3.17	1.33	1.37
14	B	803	CLA	MG-ND	-3.17	1.99	2.05
14	B	801	CLA	C3D-C2D	3.17	1.47	1.39
14	b	828	CLA	C1B-NB	-3.17	1.33	1.37
14	a	852	CLA	C1B-NB	-3.17	1.33	1.37
14	G	838	CLA	C1B-NB	-3.17	1.33	1.37
14	B	802	CLA	C1D-ND	-3.17	1.33	1.37
14	b	832	CLA	C1B-NB	-3.17	1.33	1.37
14	H	829	CLA	CHB-C1B	3.17	1.46	1.39
14	j	1303	CLA	MG-NC	3.17	2.13	2.06
14	H	822	CLA	MG-ND	-3.17	1.99	2.05
14	G	812	CLA	C1D-ND	-3.16	1.33	1.37
14	G	832	CLA	C1D-ND	-3.16	1.33	1.37
14	B	815	CLA	MG-NC	3.16	2.13	2.06
14	G	803	CLA	C1D-ND	-3.16	1.33	1.37
14	B	832	CLA	C1D-ND	-3.16	1.33	1.37
14	G	827	CLA	CHB-C1B	3.16	1.46	1.39
14	B	824	CLA	CHB-C1B	3.16	1.46	1.39
14	B	837	CLA	MG-NC	3.16	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	812	CLA	MG-ND	-3.16	1.99	2.05
14	B	830	CLA	C1B-NB	-3.16	1.33	1.37
14	Q	202	CLA	MG-NC	3.16	2.13	2.06
14	H	827	CLA	MG-ND	-3.16	1.99	2.05
14	B	836	CLA	MG-NC	3.16	2.13	2.06
14	b	837	CLA	C1D-ND	-3.15	1.33	1.37
14	A	822	CLA	C1D-ND	-3.15	1.33	1.37
14	H	836	CLA	MG-NC	3.15	2.13	2.06
14	a	853	CLA	C1C-NC	-3.15	1.32	1.37
14	K	1401	CLA	MG-NC	3.15	2.13	2.06
14	S	102	CLA	MG-NC	3.15	2.13	2.06
14	X	1701	CLA	C1D-ND	-3.15	1.33	1.37
14	G	841	CLA	C4D-CHA	3.15	1.49	1.38
14	B	829	CLA	MG-ND	-3.15	1.99	2.05
14	G	817	CLA	CHB-C1B	3.15	1.46	1.39
14	a	833	CLA	C1D-ND	-3.15	1.33	1.37
14	a	802	CLA	C3D-C2D	3.15	1.47	1.39
14	A	829	CLA	C1D-ND	-3.14	1.33	1.37
14	B	814	CLA	C1D-ND	-3.14	1.33	1.37
14	H	801	CLA	CHD-C4C	3.14	1.46	1.39
14	a	803	CLA	MG-NC	3.14	2.13	2.06
14	A	828	CLA	C1B-NB	-3.14	1.33	1.37
14	b	834	CLA	MG-NC	3.14	2.13	2.06
14	J	1303	CLA	MG-NC	3.14	2.13	2.06
14	k	102	CLA	MG-NC	3.14	2.13	2.06
14	H	831	CLA	C1D-ND	-3.14	1.33	1.37
14	A	835	CLA	C1B-NB	-3.14	1.33	1.37
14	H	837	CLA	MG-NC	3.14	2.13	2.06
14	b	829	CLA	C1D-ND	-3.14	1.33	1.37
14	B	825	CLA	C3D-C2D	3.14	1.47	1.39
14	B	801	CLA	OBD-CAD	3.14	1.27	1.22
14	T	102	CLA	MG-NC	3.14	2.13	2.06
14	B	812	CLA	MG-ND	-3.14	1.99	2.05
14	b	804	CLA	C1B-NB	-3.14	1.33	1.37
14	G	833	CLA	C1D-ND	-3.13	1.33	1.37
14	W	1701	CLA	MG-NC	3.13	2.13	2.06
14	j	1302	CLA	C4D-CHA	3.13	1.49	1.38
14	k	101	CLA	MG-NC	3.13	2.13	2.06
14	H	822	CLA	CMD-C2D	-3.13	1.44	1.50
14	H	806	CLA	C1B-NB	-3.13	1.33	1.37
14	B	826	CLA	CHD-C4C	3.13	1.46	1.39
14	a	842	CLA	C4D-CHA	3.13	1.49	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	a	801	CL0	MG-ND	-3.13	1.99	2.05
14	A	833	CLA	C1B-NB	-3.13	1.33	1.37
14	b	803	CLA	C1D-ND	-3.13	1.33	1.37
14	H	814	CLA	C1D-ND	-3.13	1.33	1.37
14	B	826	CLA	MG-NC	3.13	2.13	2.06
14	H	818	CLA	MG-NC	3.13	2.13	2.06
14	X	1701	CLA	MG-NC	3.13	2.13	2.06
14	x	1701	CLA	MG-NC	3.13	2.13	2.06
14	b	823	CLA	C1B-NB	-3.13	1.33	1.37
14	b	831	CLA	MG-NC	3.13	2.13	2.06
14	b	808	CLA	MG-ND	-3.13	1.99	2.05
14	A	852	CLA	CHB-C1B	3.13	1.46	1.39
14	b	827	CLA	MG-NC	3.13	2.13	2.06
14	Q	202	CLA	C3D-C2D	3.13	1.47	1.39
14	a	852	CLA	CHB-C1B	3.13	1.46	1.39
14	G	808	CLA	MG-NC	3.13	2.13	2.06
14	H	824	CLA	CHB-C1B	3.12	1.46	1.39
14	a	819	CLA	MG-NC	3.12	2.13	2.06
14	H	802	CLA	C1D-ND	-3.12	1.33	1.37
14	B	802	CLA	MG-ND	-3.12	1.99	2.05
14	B	806	CLA	C1C-NC	-3.12	1.33	1.37
14	H	838	CLA	OBD-CAD	3.12	1.27	1.22
14	B	839	CLA	C1D-ND	-3.12	1.33	1.37
14	G	828	CLA	MG-ND	-3.12	1.99	2.05
14	a	828	CLA	MG-ND	-3.12	1.99	2.05
14	A	833	CLA	C3D-C2D	3.12	1.47	1.39
14	a	832	CLA	C1D-ND	-3.12	1.33	1.37
14	a	817	CLA	C3D-C2D	3.11	1.47	1.39
14	H	826	CLA	CHB-C1B	3.11	1.46	1.39
14	H	830	CLA	C1B-NB	-3.11	1.33	1.37
14	T	101	CLA	MG-NC	3.11	2.13	2.06
14	G	815	CLA	MG-NC	3.11	2.13	2.06
14	B	831	CLA	C1D-ND	-3.11	1.33	1.37
14	B	815	CLA	MG-ND	-3.11	1.99	2.05
14	B	823	CLA	C4D-CHA	3.11	1.49	1.38
14	A	842	CLA	C4D-CHA	3.11	1.49	1.38
14	S	101	CLA	C4D-CHA	3.11	1.49	1.38
14	H	839	CLA	C1B-NB	-3.11	1.33	1.37
14	H	838	CLA	C1D-ND	-3.11	1.33	1.37
14	b	816	CLA	MG-NC	3.11	2.13	2.06
14	H	830	CLA	MG-ND	-3.11	1.99	2.05
14	a	841	CLA	MG-ND	-3.11	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	835	CLA	C1D-ND	-3.11	1.33	1.37
14	b	835	CLA	MG-NC	3.10	2.13	2.06
14	b	832	CLA	C3D-C2D	3.10	1.47	1.39
14	b	819	CLA	C3D-C2D	3.10	1.47	1.39
14	A	804	CLA	C1D-ND	-3.10	1.33	1.37
14	G	803	CLA	MG-NC	3.10	2.13	2.06
14	G	810	CLA	OBD-CAD	3.10	1.27	1.22
14	H	819	CLA	MG-NC	3.10	2.13	2.06
14	H	823	CLA	MG-NC	3.10	2.13	2.06
14	a	814	CLA	MG-NC	3.10	2.13	2.06
14	G	826	CLA	OBD-CAD	3.10	1.27	1.22
14	A	821	CLA	C1D-ND	-3.10	1.33	1.37
14	H	812	CLA	C3D-C2D	3.10	1.47	1.39
14	B	830	CLA	MG-NC	3.09	2.13	2.06
14	a	803	CLA	C1D-ND	-3.09	1.33	1.37
14	a	836	CLA	MG-NC	3.09	2.13	2.06
14	G	840	CLA	C3D-C2D	3.09	1.47	1.39
14	A	832	CLA	C3D-C2D	3.09	1.47	1.39
14	H	842	CLA	MG-NC	3.09	2.13	2.06
14	H	827	CLA	MG-NC	3.09	2.13	2.06
14	G	830	CLA	C1D-ND	-3.09	1.33	1.37
14	a	842	CLA	C1B-NB	-3.09	1.33	1.37
14	A	827	CLA	MG-NC	3.09	2.13	2.06
14	A	840	CLA	MG-ND	-3.09	1.99	2.05
14	A	817	CLA	C3D-C2D	3.09	1.47	1.39
14	a	835	CLA	C1B-NB	-3.09	1.33	1.37
13	a	801	CL0	C3D-C2D	3.09	1.47	1.39
14	A	820	CLA	C1D-ND	-3.09	1.33	1.37
14	A	840	CLA	C3D-C2D	3.09	1.47	1.39
14	b	828	CLA	MG-ND	-3.09	1.99	2.05
14	G	841	CLA	C1B-NB	-3.09	1.33	1.37
14	G	817	CLA	C1D-ND	-3.09	1.33	1.37
14	B	821	CLA	C3D-C2D	3.09	1.47	1.39
14	G	830	CLA	C1B-NB	-3.08	1.33	1.37
14	G	840	CLA	C1B-NB	-3.08	1.33	1.37
14	F	201	CLA	MG-NC	3.08	2.13	2.06
14	A	810	CLA	C1B-NB	-3.08	1.33	1.37
14	a	828	CLA	C1B-NB	-3.08	1.33	1.37
14	H	825	CLA	C1D-ND	-3.08	1.33	1.37
14	a	828	CLA	MG-NC	3.08	2.13	2.06
14	B	827	CLA	MG-NC	3.08	2.13	2.06
14	A	817	CLA	C4D-CHA	3.08	1.49	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CLA	C3D-C2D	3.08	1.47	1.39
14	b	809	CLA	CHC-C4B	3.08	1.46	1.39
14	H	805	CLA	MG-ND	-3.08	1.99	2.05
14	b	801	CLA	C3D-C2D	3.08	1.47	1.39
14	a	852	CLA	C3D-C2D	3.08	1.47	1.39
14	A	840	CLA	C1B-NB	-3.08	1.33	1.37
14	A	803	CLA	MG-ND	-3.08	1.99	2.05
14	T	101	CLA	C3D-C2D	3.08	1.47	1.39
14	k	101	CLA	C3D-C2D	3.08	1.47	1.39
14	B	808	CLA	C1B-NB	-3.08	1.33	1.37
14	a	841	CLA	C3D-C2D	3.08	1.47	1.39
14	b	818	CLA	C1C-NC	-3.08	1.33	1.37
14	G	826	CLA	C1B-NB	-3.08	1.33	1.37
14	G	840	CLA	MG-ND	-3.08	1.99	2.05
14	H	805	CLA	MG-NC	3.08	2.13	2.06
14	b	824	CLA	C1B-NB	-3.08	1.33	1.37
14	a	826	CLA	OBD-CAD	3.08	1.27	1.22
14	B	829	CLA	MG-NC	3.08	2.13	2.06
14	J	1301	CLA	C1B-NB	-3.08	1.33	1.37
14	A	839	CLA	MG-NC	3.08	2.13	2.06
14	H	839	CLA	C3D-C2D	3.07	1.47	1.39
14	B	822	CLA	C4D-CHA	3.07	1.48	1.38
14	A	841	CLA	C3D-C2D	3.07	1.47	1.39
14	B	836	CLA	C4D-CHA	3.07	1.48	1.38
14	b	823	CLA	CHD-C4C	3.07	1.46	1.39
14	L	204	CLA	C4D-CHA	3.07	1.48	1.38
14	a	838	CLA	MG-NC	3.07	2.13	2.06
14	G	827	CLA	C1B-NB	-3.07	1.33	1.37
14	B	818	CLA	MG-NC	3.07	2.13	2.06
14	a	836	CLA	C4D-CHA	3.07	1.48	1.38
14	b	837	CLA	C3D-C2D	3.07	1.47	1.39
14	A	806	CLA	C1D-ND	-3.07	1.33	1.37
14	b	815	CLA	MG-NC	3.07	2.13	2.06
14	G	835	CLA	C1B-NB	-3.07	1.33	1.37
14	G	813	CLA	C1D-ND	-3.07	1.33	1.37
14	H	808	CLA	C1B-NB	-3.07	1.33	1.37
14	B	841	CLA	MG-NC	3.07	2.13	2.06
14	b	802	CLA	MG-ND	-3.07	1.99	2.05
14	b	803	CLA	MG-ND	-3.07	1.99	2.05
14	A	833	CLA	MG-ND	-3.07	1.99	2.05
14	H	816	CLA	MG-NC	3.07	2.13	2.06
14	b	802	CLA	C1D-ND	-3.06	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	MG-NC	3.06	2.13	2.06
14	a	810	CLA	C1D-ND	-3.06	1.33	1.37
14	A	819	CLA	MG-NC	3.06	2.13	2.06
14	a	852	CLA	MG-ND	-3.06	1.99	2.05
14	G	819	CLA	MG-NC	3.06	2.13	2.06
14	A	852	CLA	C1C-NC	-3.06	1.33	1.37
14	B	825	CLA	C1D-ND	-3.06	1.33	1.37
14	G	804	CLA	C1D-ND	-3.06	1.33	1.37
14	G	818	CLA	MG-NC	3.06	2.13	2.06
14	B	823	CLA	C3D-C2D	3.06	1.47	1.39
14	J	1302	CLA	C4D-CHA	3.06	1.48	1.38
14	a	817	CLA	C4D-CHA	3.06	1.48	1.38
14	j	1301	CLA	C4D-CHA	3.06	1.48	1.38
14	H	838	CLA	C4D-CHA	3.06	1.48	1.38
14	H	830	CLA	MG-NC	3.06	2.13	2.06
14	A	828	CLA	MG-ND	-3.06	1.99	2.05
14	H	802	CLA	MG-ND	-3.06	1.99	2.05
14	H	820	CLA	MG-NC	3.06	2.13	2.06
14	B	839	CLA	C3D-C2D	3.06	1.47	1.39
14	A	836	CLA	C4D-CHA	3.05	1.48	1.38
14	b	823	CLA	MG-NC	3.05	2.13	2.06
14	G	833	CLA	C1B-NB	-3.05	1.33	1.37
14	H	816	CLA	C1B-NB	-3.05	1.33	1.37
14	b	834	CLA	C4D-CHA	3.05	1.48	1.38
14	A	819	CLA	C1D-ND	-3.05	1.33	1.37
14	a	841	CLA	C1B-NB	-3.05	1.33	1.37
14	H	836	CLA	C4D-CHA	3.05	1.48	1.38
14	a	832	CLA	C3D-C2D	3.05	1.47	1.39
14	a	829	CLA	C1D-ND	-3.05	1.33	1.37
14	b	839	CLA	C1D-ND	-3.05	1.33	1.37
14	A	828	CLA	MG-NC	3.05	2.13	2.06
14	H	829	CLA	MG-NC	3.05	2.13	2.06
14	H	841	CLA	MG-NC	3.05	2.13	2.06
14	b	821	CLA	C1D-ND	-3.05	1.33	1.37
14	G	836	CLA	MG-NC	3.05	2.13	2.06
14	a	825	CLA	C3D-C2D	3.05	1.47	1.39
14	H	842	CLA	MG-ND	-3.05	1.99	2.05
14	b	807	CLA	C1D-ND	-3.05	1.33	1.37
14	G	827	CLA	C1D-ND	-3.05	1.33	1.37
14	B	840	CLA	MG-NC	3.05	2.13	2.06
14	G	835	CLA	C1D-ND	-3.05	1.33	1.37
14	b	820	CLA	MG-NC	3.05	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	836	CLA	C4D-CHA	3.05	1.48	1.38
14	G	817	CLA	C4B-NB	-3.05	1.33	1.37
14	a	840	CLA	MG-NC	3.05	2.13	2.06
14	b	826	CLA	MG-NC	3.05	2.13	2.06
14	B	842	CLA	C1D-ND	-3.05	1.33	1.37
14	A	803	CLA	MG-NC	3.05	2.13	2.06
14	F	201	CLA	C1B-NB	-3.05	1.33	1.37
14	A	814	CLA	MG-NC	3.04	2.13	2.06
14	B	806	CLA	C3D-C2D	3.04	1.47	1.39
14	b	805	CLA	C1B-NB	-3.04	1.33	1.37
14	A	807	CLA	C1D-ND	-3.04	1.33	1.37
14	a	815	CLA	C3D-C2D	3.04	1.47	1.39
14	G	839	CLA	C1D-ND	-3.04	1.33	1.37
14	B	842	CLA	C4D-CHA	3.04	1.48	1.38
14	B	805	CLA	CMD-C2D	-3.04	1.44	1.50
14	a	827	CLA	C1D-ND	-3.04	1.33	1.37
14	B	807	CLA	C1B-NB	-3.04	1.33	1.37
14	H	810	CLA	C1D-ND	-3.04	1.33	1.37
14	B	837	CLA	C3D-C2D	3.04	1.47	1.39
14	H	828	CLA	C4D-CHA	3.04	1.48	1.38
14	a	833	CLA	C1B-NB	-3.04	1.33	1.37
14	G	819	CLA	MG-ND	-3.04	1.99	2.05
14	H	836	CLA	C3D-C2D	3.04	1.47	1.39
14	H	837	CLA	C3D-C2D	3.04	1.47	1.39
14	H	808	CLA	C4D-CHA	3.04	1.48	1.38
14	l	203	CLA	C4D-CHA	3.04	1.48	1.38
14	A	827	CLA	C1B-NB	-3.04	1.33	1.37
14	a	812	CLA	C1B-NB	-3.04	1.33	1.37
14	a	830	CLA	MG-NC	3.04	2.13	2.06
14	B	804	CLA	C4D-CHA	3.04	1.48	1.38
14	A	818	CLA	C3D-C2D	3.04	1.47	1.39
14	J	1303	CLA	C3D-C2D	3.04	1.47	1.39
14	A	826	CLA	OBD-CAD	3.04	1.27	1.22
14	A	836	CLA	MG-NC	3.04	2.13	2.06
14	G	818	CLA	C4D-CHA	3.04	1.48	1.38
14	j	1303	CLA	C3D-C2D	3.04	1.47	1.39
14	G	829	CLA	C1D-ND	-3.04	1.33	1.37
14	W	1701	CLA	C1D-ND	-3.04	1.33	1.37
14	b	805	CLA	C4D-CHA	3.04	1.48	1.38
14	B	827	CLA	C1B-NB	-3.03	1.33	1.37
14	b	801	CLA	C1B-NB	-3.03	1.33	1.37
14	b	832	CLA	C1D-ND	-3.03	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	205	CLA	C1D-ND	-3.03	1.33	1.37
14	H	817	CLA	MG-NC	3.03	2.13	2.06
14	A	818	CLA	C4D-CHA	3.03	1.48	1.38
14	H	804	CLA	C4D-CHA	3.03	1.48	1.38
14	a	818	CLA	C3D-C2D	3.03	1.47	1.39
14	G	851	CLA	CHD-C4C	3.03	1.46	1.39
14	b	820	CLA	C4D-CHA	3.03	1.48	1.38
14	a	806	CLA	C1D-ND	-3.03	1.33	1.37
14	B	829	CLA	C4B-NB	-3.03	1.33	1.37
14	b	834	CLA	C3D-C2D	3.03	1.47	1.39
14	G	822	CLA	MG-NC	3.03	2.13	2.06
14	x	1701	CLA	C1D-ND	-3.03	1.33	1.37
14	H	801	CLA	C3D-C2D	3.03	1.47	1.39
14	B	838	CLA	MG-NC	3.03	2.13	2.06
14	H	834	CLA	C3D-C2D	3.03	1.47	1.39
14	S	102	CLA	C3D-C2D	3.03	1.47	1.39
14	H	807	CLA	CHB-C1B	3.03	1.46	1.39
14	H	814	CLA	MG-NC	3.03	2.13	2.06
14	b	837	CLA	C1B-NB	-3.03	1.33	1.37
14	b	820	CLA	C3D-C2D	3.03	1.47	1.39
14	A	822	CLA	MG-NC	3.03	2.13	2.06
14	B	834	CLA	MG-ND	-3.03	1.99	2.05
14	B	828	CLA	C4D-CHA	3.03	1.48	1.38
14	U	205	CLA	C4D-CHA	3.03	1.48	1.38
14	H	820	CLA	C4D-CHA	3.03	1.48	1.38
14	a	842	CLA	MG-NC	3.03	2.13	2.06
16	H	847	BCR	C11-C12	-3.03	1.26	1.34
14	B	816	CLA	C1B-NB	-3.02	1.33	1.37
14	a	818	CLA	MG-NC	3.02	2.13	2.06
14	b	821	CLA	CHB-C1B	3.02	1.46	1.39
14	G	825	CLA	C3D-C2D	3.02	1.47	1.39
14	A	815	CLA	C3D-C2D	3.02	1.47	1.39
14	a	803	CLA	C4D-CHA	3.02	1.48	1.38
14	J	1301	CLA	C4D-CHA	3.02	1.48	1.38
14	G	831	CLA	C1D-ND	-3.02	1.33	1.37
14	a	827	CLA	C1B-NB	-3.02	1.33	1.37
14	G	818	CLA	C3D-C2D	3.02	1.47	1.39
14	G	841	CLA	MG-NC	3.02	2.13	2.06
14	L	204	CLA	MG-NC	3.02	2.13	2.06
14	a	838	CLA	C4D-CHA	3.02	1.48	1.38
14	a	812	CLA	C1D-ND	-3.02	1.33	1.37
14	a	822	CLA	C1D-ND	-3.02	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	811	CLA	C1D-ND	-3.02	1.33	1.37
14	B	813	CLA	MG-NC	3.02	2.13	2.06
14	B	831	CLA	MG-ND	-3.02	1.99	2.05
14	A	803	CLA	C4D-CHA	3.02	1.48	1.38
14	B	833	CLA	C3D-C2D	3.02	1.47	1.39
14	A	827	CLA	C4D-CHA	3.02	1.48	1.38
14	A	823	CLA	C1D-ND	-3.02	1.33	1.37
14	H	837	CLA	C4D-CHA	3.02	1.48	1.38
14	a	832	CLA	MG-ND	-3.02	1.99	2.05
14	b	822	CLA	C1D-ND	-3.02	1.33	1.37
14	b	833	CLA	C1D-ND	-3.02	1.33	1.37
14	T	102	CLA	C4D-CHA	3.02	1.48	1.38
14	B	836	CLA	C3D-C2D	3.02	1.47	1.39
14	A	835	CLA	MG-ND	-3.02	1.99	2.05
14	a	815	CLA	C4D-CHA	3.02	1.48	1.38
14	A	811	CLA	C1D-ND	-3.02	1.33	1.37
14	B	807	CLA	C1D-ND	-3.02	1.33	1.37
14	B	808	CLA	C4D-CHA	3.02	1.48	1.38
14	A	842	CLA	MG-NC	3.02	2.13	2.06
14	G	827	CLA	MG-NC	3.02	2.13	2.06
14	A	837	CLA	MG-NC	3.02	2.13	2.06
14	a	809	CLA	C1B-C2B	3.02	1.50	1.43
14	A	852	CLA	MG-ND	-3.01	1.99	2.05
14	a	818	CLA	C4D-CHA	3.01	1.48	1.38
14	H	824	CLA	C4D-CHA	3.01	1.48	1.38
14	a	802	CLA	MG-NC	3.01	2.13	2.06
14	A	842	CLA	C1B-NB	-3.01	1.33	1.37
14	H	829	CLA	C1B-NB	-3.01	1.33	1.37
14	A	802	CLA	MG-NC	3.01	2.13	2.06
14	b	824	CLA	MG-NC	3.01	2.13	2.06
14	A	852	CLA	C3D-C2D	3.01	1.47	1.39
14	A	830	CLA	MG-NC	3.01	2.13	2.06
14	B	811	CLA	MG-ND	-3.01	1.99	2.05
14	H	830	CLA	C1D-ND	-3.01	1.33	1.37
14	b	817	CLA	C4D-CHA	3.01	1.48	1.38
14	a	835	CLA	C4D-CHA	3.01	1.48	1.38
14	H	832	CLA	OBD-CAD	3.01	1.27	1.22
14	a	839	CLA	C4D-CHA	3.01	1.48	1.38
14	H	815	CLA	MG-ND	-3.01	1.99	2.05
14	G	814	CLA	MG-NC	3.01	2.13	2.06
14	H	826	CLA	MG-NC	3.01	2.13	2.06
14	b	840	CLA	C4D-CHA	3.01	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	835	CLA	C4D-CHA	3.01	1.48	1.38
14	G	808	CLA	C1B-NB	-3.01	1.33	1.37
14	K	1401	CLA	C4D-CHA	3.01	1.48	1.38
14	B	837	CLA	C4D-CHA	3.01	1.48	1.38
14	B	807	CLA	C4D-CHA	3.01	1.48	1.38
14	b	811	CLA	C3D-C2D	3.01	1.47	1.39
14	H	823	CLA	C4D-CHA	3.01	1.48	1.38
14	A	806	CLA	MG-NC	3.01	2.13	2.06
14	a	806	CLA	MG-NC	3.01	2.13	2.06
14	a	837	CLA	MG-NC	3.01	2.13	2.06
14	a	830	CLA	C1D-ND	-3.01	1.33	1.37
14	b	835	CLA	C4D-CHA	3.01	1.48	1.38
14	b	836	CLA	MG-NC	3.01	2.13	2.06
14	G	835	CLA	MG-NC	3.01	2.13	2.06
14	b	830	CLA	C3D-C2D	3.01	1.47	1.39
14	a	822	CLA	MG-NC	3.01	2.13	2.06
14	B	816	CLA	MG-NC	3.01	2.13	2.06
14	a	852	CLA	C1C-NC	-3.01	1.33	1.37
14	G	834	CLA	MG-NC	3.01	2.13	2.06
14	G	807	CLA	C1D-ND	-3.00	1.33	1.37
14	A	816	CLA	C4D-CHA	3.00	1.48	1.38
14	a	821	CLA	MG-NC	3.00	2.13	2.06
14	b	839	CLA	MG-ND	-3.00	1.99	2.05
14	G	837	CLA	MG-NC	3.00	2.13	2.06
14	H	814	CLA	C3D-C2D	3.00	1.47	1.39
14	b	825	CLA	C4D-CHA	3.00	1.48	1.38
14	A	813	CLA	MG-NC	3.00	2.13	2.06
14	b	839	CLA	MG-NC	3.00	2.13	2.06
14	H	821	CLA	C3D-C2D	3.00	1.47	1.39
14	A	832	CLA	C4D-CHA	3.00	1.48	1.38
14	H	833	CLA	C3D-C2D	3.00	1.47	1.39
14	H	834	CLA	C1D-ND	-3.00	1.33	1.37
14	G	835	CLA	MG-ND	-3.00	1.99	2.05
14	S	101	CLA	C3D-C2D	3.00	1.47	1.39
14	G	834	CLA	C1D-ND	-3.00	1.33	1.37
14	H	812	CLA	CHC-C4B	3.00	1.46	1.39
14	B	820	CLA	C4D-CHA	3.00	1.48	1.38
14	B	810	CLA	MG-NC	3.00	2.13	2.06
14	b	817	CLA	MG-NC	3.00	2.13	2.06
14	S	101	CLA	C1B-NB	-3.00	1.33	1.37
14	H	831	CLA	MG-ND	-3.00	1.99	2.05
14	b	838	CLA	MG-NC	3.00	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	815	CLA	C3D-C2D	3.00	1.47	1.39
14	U	205	CLA	MG-NC	3.00	2.13	2.06
14	G	825	CLA	C1D-ND	-3.00	1.33	1.37
14	R	101	CLA	C1D-ND	-3.00	1.33	1.37
14	A	840	CLA	C4D-CHA	3.00	1.48	1.38
14	a	826	CLA	C1B-NB	-3.00	1.33	1.37
14	a	834	CLA	MG-NC	2.99	2.13	2.06
14	B	820	CLA	MG-NC	2.99	2.13	2.06
14	B	806	CLA	CHD-C4C	2.99	1.46	1.39
14	A	831	CLA	C4D-CHA	2.99	1.48	1.38
14	G	831	CLA	C4D-CHA	2.99	1.48	1.38
14	B	827	CLA	C3D-C2D	2.99	1.47	1.39
14	b	824	CLA	C3D-C2D	2.99	1.47	1.39
14	B	824	CLA	C4D-CHA	2.99	1.48	1.38
14	A	825	CLA	C3D-C2D	2.99	1.47	1.39
14	B	838	CLA	C3D-C2D	2.99	1.47	1.39
14	A	826	CLA	C1C-NC	-2.99	1.33	1.37
14	R	101	CLA	C3D-C2D	2.99	1.47	1.39
14	A	836	CLA	C1D-ND	-2.99	1.33	1.37
14	G	806	CLA	C1D-ND	-2.99	1.33	1.37
14	a	818	CLA	C1B-NB	-2.99	1.33	1.37
14	B	834	CLA	C1D-ND	-2.99	1.33	1.37
14	l	205	CLA	C1D-ND	-2.99	1.33	1.37
14	b	819	CLA	C4D-CHA	2.99	1.48	1.38
14	B	823	CLA	MG-NC	2.99	2.13	2.06
14	G	809	CLA	C4D-CHA	2.99	1.48	1.38
14	a	820	CLA	MG-NC	2.99	2.13	2.06
14	A	832	CLA	C1D-ND	-2.99	1.33	1.37
14	G	822	CLA	C1D-ND	-2.99	1.33	1.37
14	a	835	CLA	C1D-ND	-2.99	1.33	1.37
14	b	809	CLA	C4D-CHA	2.99	1.48	1.38
14	b	840	CLA	MG-NC	2.99	2.13	2.06
14	l	203	CLA	MG-NC	2.99	2.13	2.06
14	a	820	CLA	C1D-ND	-2.99	1.33	1.37
14	b	821	CLA	C1B-NB	-2.99	1.33	1.37
14	G	824	CLA	MG-ND	-2.99	1.99	2.05
14	H	842	CLA	C4D-CHA	2.99	1.48	1.38
14	G	803	CLA	C4D-CHA	2.99	1.48	1.38
14	a	831	CLA	C4D-CHA	2.99	1.48	1.38
14	A	831	CLA	MG-NC	2.99	2.13	2.06
14	A	852	CLA	C1B-NB	-2.99	1.33	1.37
14	G	820	CLA	C1D-ND	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	MG-NC	2.99	2.13	2.06
14	U	201	CLA	C3D-C2D	2.99	1.47	1.39
14	G	832	CLA	C4D-CHA	2.99	1.48	1.38
14	M	1601	CLA	C4D-CHA	2.99	1.48	1.38
14	B	828	CLA	MG-NC	2.99	2.13	2.06
14	a	823	CLA	MG-NC	2.99	2.13	2.06
14	G	827	CLA	C4D-CHA	2.99	1.48	1.38
14	B	812	CLA	C4D-CHA	2.99	1.48	1.38
14	a	853	CLA	C3D-C2D	2.99	1.47	1.39
14	K	1401	CLA	C3D-C2D	2.99	1.47	1.39
14	a	807	CLA	C4D-CHA	2.98	1.48	1.38
14	G	818	CLA	C1D-ND	-2.98	1.33	1.37
14	G	830	CLA	MG-NC	2.98	2.13	2.06
14	a	808	CLA	MG-NC	2.98	2.13	2.06
14	B	802	CLA	C3D-C2D	2.98	1.47	1.39
14	H	805	CLA	C3D-C2D	2.98	1.47	1.39
14	G	821	CLA	C1B-NB	-2.98	1.33	1.37
14	B	801	CLA	C4D-CHA	2.98	1.48	1.38
14	A	818	CLA	MG-NC	2.98	2.13	2.06
14	A	823	CLA	C4D-CHA	2.98	1.48	1.38
14	A	835	CLA	C4D-CHA	2.98	1.48	1.38
14	b	821	CLA	C4D-CHA	2.98	1.48	1.38
14	V	1601	CLA	C4D-CHA	2.98	1.48	1.38
14	B	842	CLA	MG-ND	-2.98	1.99	2.05
14	G	814	CLA	C3D-C2D	2.98	1.47	1.39
14	H	815	CLA	C3D-C2D	2.98	1.47	1.39
14	H	840	CLA	MG-NC	2.98	2.13	2.06
14	A	825	CLA	C1D-ND	-2.98	1.33	1.37
14	B	830	CLA	C1D-ND	-2.98	1.33	1.37
14	H	804	CLA	C1B-NB	-2.98	1.33	1.37
14	B	819	CLA	C3D-C2D	2.98	1.47	1.39
14	L	201	CLA	C3D-C2D	2.98	1.47	1.39
14	G	818	CLA	C1B-NB	-2.98	1.33	1.37
14	j	1302	CLA	C3D-C2D	2.98	1.47	1.39
14	G	832	CLA	C3D-C2D	2.98	1.47	1.39
14	G	808	CLA	C1D-ND	-2.98	1.33	1.37
14	m	1201	CLA	C1B-NB	-2.98	1.33	1.37
14	A	838	CLA	C4D-CHA	2.98	1.48	1.38
14	T	102	CLA	C3D-C2D	2.98	1.47	1.39
14	a	817	CLA	MG-NC	2.98	2.13	2.06
14	G	811	CLA	C1D-ND	-2.98	1.33	1.37
14	a	825	CLA	C1D-ND	-2.98	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	840	CLA	C1D-ND	-2.98	1.33	1.37
14	L	201	CLA	C1D-ND	-2.98	1.33	1.37
14	G	813	CLA	MG-NC	2.98	2.13	2.06
14	H	811	CLA	MG-ND	-2.98	1.99	2.05
14	H	825	CLA	MG-NC	2.98	2.13	2.06
14	a	820	CLA	C3D-C2D	2.98	1.47	1.39
14	G	807	CLA	C4D-CHA	2.98	1.48	1.38
14	G	840	CLA	C4D-CHA	2.98	1.48	1.38
14	G	806	CLA	MG-NC	2.98	2.13	2.06
14	a	835	CLA	MG-ND	-2.98	1.99	2.05
14	a	802	CLA	C1D-ND	-2.98	1.33	1.37
14	a	808	CLA	C1B-NB	-2.98	1.33	1.37
14	b	813	CLA	C3D-C2D	2.98	1.47	1.39
14	H	802	CLA	C3D-C2D	2.98	1.47	1.39
14	b	821	CLA	C3D-C2D	2.98	1.47	1.39
14	a	815	CLA	MG-NC	2.98	2.13	2.06
14	m	1202	CLA	C4D-CHA	2.98	1.48	1.38
14	G	836	CLA	C1D-ND	-2.98	1.34	1.37
14	b	810	CLA	MG-NC	2.98	2.13	2.06
14	b	802	CLA	C3D-C2D	2.98	1.47	1.39
14	B	827	CLA	MG-ND	-2.98	1.99	2.05
14	G	805	CLA	C1D-ND	-2.98	1.34	1.37
14	a	840	CLA	C1D-ND	-2.98	1.34	1.37
14	B	841	CLA	C1D-ND	-2.98	1.34	1.37
14	B	815	CLA	C3D-C2D	2.97	1.47	1.39
14	x	1701	CLA	C3D-C2D	2.97	1.47	1.39
14	b	818	CLA	C3D-C2D	2.97	1.47	1.39
14	A	827	CLA	C1D-ND	-2.97	1.34	1.37
14	G	802	CLA	C1D-ND	-2.97	1.34	1.37
14	a	841	CLA	C4D-CHA	2.97	1.48	1.38
14	b	823	CLA	C3D-C2D	2.97	1.47	1.39
14	a	827	CLA	MG-ND	-2.97	1.99	2.05
14	G	819	CLA	C1D-ND	-2.97	1.34	1.37
14	B	840	CLA	C1D-ND	-2.97	1.34	1.37
14	a	831	CLA	MG-NC	2.97	2.13	2.06
14	a	814	CLA	C3D-C2D	2.97	1.47	1.39
14	H	819	CLA	C3D-C2D	2.97	1.47	1.39
14	H	803	CLA	MG-ND	-2.97	1.99	2.05
14	a	823	CLA	C1D-ND	-2.97	1.34	1.37
14	B	842	CLA	C1B-NB	-2.97	1.34	1.37
14	G	817	CLA	C3D-C2D	2.97	1.47	1.39
14	a	842	CLA	C3D-C2D	2.97	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	836	CLA	C4D-CHA	2.97	1.48	1.38
14	G	851	CLA	C4B-NB	-2.97	1.34	1.37
14	k	102	CLA	C4D-CHA	2.97	1.48	1.38
14	A	816	CLA	C3D-C2D	2.97	1.47	1.39
14	A	838	CLA	C1B-NB	-2.97	1.34	1.37
14	B	818	CLA	C4D-CHA	2.97	1.48	1.38
14	H	818	CLA	C4D-CHA	2.97	1.48	1.38
14	B	804	CLA	MG-NC	2.97	2.13	2.06
14	G	815	CLA	C4D-CHA	2.97	1.48	1.38
14	a	836	CLA	C1D-ND	-2.97	1.34	1.37
14	b	811	CLA	C1B-NB	-2.97	1.34	1.37
13	G	801	CL0	C3D-C2D	2.97	1.47	1.39
14	A	840	CLA	MG-NC	2.97	2.13	2.06
14	G	821	CLA	MG-NC	2.97	2.13	2.06
14	H	821	CLA	C1C-NC	-2.97	1.33	1.37
13	A	801	CL0	MG-NC	2.97	2.13	2.06
14	B	822	CLA	MG-ND	-2.97	1.99	2.05
14	G	831	CLA	MG-NC	2.97	2.13	2.06
14	H	824	CLA	C1B-NB	-2.97	1.34	1.37
14	A	838	CLA	MG-NC	2.97	2.13	2.06
14	a	802	CLA	C4D-CHA	2.97	1.48	1.38
14	A	835	CLA	MG-NC	2.97	2.13	2.06
14	b	816	CLA	C4D-CHA	2.97	1.48	1.38
14	a	831	CLA	C1B-NB	-2.97	1.34	1.37
14	L	206	CLA	C1D-ND	-2.97	1.34	1.37
14	B	829	CLA	C3D-C2D	2.97	1.47	1.39
14	A	808	CLA	C4D-CHA	2.97	1.48	1.38
14	G	808	CLA	C4D-CHA	2.97	1.48	1.38
14	B	834	CLA	C4D-CHA	2.97	1.48	1.38
14	H	829	CLA	C3D-C2D	2.97	1.47	1.39
14	W	1701	CLA	C3D-C2D	2.97	1.47	1.39
14	a	833	CLA	C3D-C2D	2.96	1.47	1.39
14	H	823	CLA	C3D-C2D	2.96	1.47	1.39
14	k	102	CLA	C3D-C2D	2.96	1.47	1.39
14	l	205	CLA	C3D-C2D	2.96	1.47	1.39
14	W	1701	CLA	C4D-CHA	2.96	1.48	1.38
14	H	834	CLA	C4D-CHA	2.96	1.48	1.38
19	H	851	LMG	C22-C21	-2.96	1.33	1.51
14	B	804	CLA	C1B-NB	-2.96	1.34	1.37
14	b	825	CLA	C1B-NB	-2.96	1.34	1.37
14	A	831	CLA	MG-ND	-2.96	1.99	2.05
14	a	816	CLA	MG-NC	2.96	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	838	CLA	C4D-CHA	2.96	1.48	1.38
14	H	834	CLA	MG-ND	-2.96	1.99	2.05
14	a	827	CLA	C4D-CHA	2.96	1.48	1.38
14	A	815	CLA	C4D-CHA	2.96	1.48	1.38
14	G	820	CLA	MG-NC	2.96	2.13	2.06
14	A	831	CLA	C1D-ND	-2.96	1.34	1.37
14	G	817	CLA	MG-NC	2.96	2.13	2.06
14	H	829	CLA	C4D-CHA	2.96	1.48	1.38
14	A	834	CLA	C1D-ND	-2.96	1.34	1.37
14	a	804	CLA	C1D-ND	-2.96	1.34	1.37
14	A	815	CLA	MG-NC	2.96	2.13	2.06
14	b	832	CLA	MG-ND	-2.96	1.99	2.05
14	G	836	CLA	C1B-NB	-2.96	1.34	1.37
14	H	809	CLA	C1B-NB	-2.96	1.34	1.37
14	L	204	CLA	C1D-ND	-2.96	1.34	1.37
14	b	815	CLA	C4D-CHA	2.96	1.48	1.38
14	B	830	CLA	C4D-CHA	2.96	1.48	1.38
14	A	816	CLA	MG-NC	2.96	2.13	2.06
14	H	809	CLA	C4D-CHA	2.96	1.48	1.38
14	m	1201	CLA	C4D-CHA	2.96	1.48	1.38
14	B	802	CLA	MG-NC	2.96	2.13	2.06
14	B	814	CLA	C3D-C2D	2.96	1.47	1.39
14	A	827	CLA	C3D-C2D	2.96	1.47	1.39
14	a	832	CLA	C4D-CHA	2.96	1.48	1.38
14	G	839	CLA	C3D-C2D	2.96	1.47	1.39
14	B	812	CLA	C3D-C2D	2.96	1.47	1.39
14	a	835	CLA	MG-NC	2.96	2.13	2.06
14	G	833	CLA	C3D-C2D	2.96	1.47	1.39
14	G	811	CLA	MG-NC	2.96	2.13	2.06
19	b	849	LMG	C22-C21	-2.96	1.33	1.51
14	a	816	CLA	C3D-C2D	2.96	1.47	1.39
14	A	833	CLA	MG-NC	2.96	2.13	2.06
14	b	813	CLA	C1B-NB	-2.95	1.34	1.37
14	l	203	CLA	C1B-NB	-2.95	1.34	1.37
14	A	807	CLA	C4D-CHA	2.95	1.48	1.38
14	B	817	CLA	C4D-CHA	2.95	1.48	1.38
14	G	820	CLA	C3D-C2D	2.95	1.47	1.39
14	b	807	CLA	MG-NC	2.95	2.13	2.06
14	B	842	CLA	MG-NC	2.95	2.13	2.06
14	a	821	CLA	MG-ND	-2.95	1.99	2.05
14	H	803	CLA	C4D-CHA	2.95	1.48	1.38
14	U	207	CLA	C1D-ND	-2.95	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	M	1601	CLA	C1D-ND	-2.95	1.34	1.37
14	H	833	CLA	MG-NC	2.95	2.13	2.06
14	V	1601	CLA	MG-ND	-2.95	1.99	2.05
14	U	207	CLA	C4D-CHA	2.95	1.48	1.38
14	A	834	CLA	MG-NC	2.95	2.13	2.06
14	A	833	CLA	C4D-CHA	2.95	1.48	1.38
14	G	824	CLA	C4D-CHA	2.95	1.48	1.38
14	l	203	CLA	C1D-ND	-2.95	1.34	1.37
14	b	801	CLA	CHB-C1B	2.95	1.46	1.39
14	A	837	CLA	C3D-C2D	2.95	1.47	1.39
14	A	809	CLA	C4D-CHA	2.95	1.48	1.38
14	b	827	CLA	C4D-CHA	2.95	1.48	1.38
14	J	1302	CLA	C3D-C2D	2.95	1.47	1.39
19	B	851	LMG	C22-C21	-2.95	1.33	1.51
14	A	807	CLA	MG-NC	2.95	2.13	2.06
14	G	823	CLA	C1D-ND	-2.95	1.34	1.37
14	B	824	CLA	C1B-NB	-2.95	1.34	1.37
14	b	830	CLA	C1B-NB	-2.95	1.34	1.37
14	G	827	CLA	C3D-C2D	2.95	1.47	1.39
14	H	803	CLA	C3D-C2D	2.95	1.47	1.39
14	X	1701	CLA	C4D-CHA	2.95	1.48	1.38
14	G	802	CLA	MG-NC	2.95	2.13	2.06
14	b	812	CLA	C3D-C2D	2.95	1.47	1.39
14	B	805	CLA	MG-NC	2.95	2.13	2.06
14	H	812	CLA	MG-NC	2.95	2.13	2.06
14	H	838	CLA	MG-NC	2.95	2.13	2.06
14	L	206	CLA	MG-NC	2.95	2.13	2.06
14	a	808	CLA	C1D-ND	-2.95	1.34	1.37
14	b	805	CLA	C1D-ND	-2.95	1.34	1.37
14	H	810	CLA	MG-NC	2.95	2.13	2.06
14	G	802	CLA	C3D-C2D	2.95	1.47	1.39
14	b	832	CLA	C4D-CHA	2.95	1.48	1.38
14	a	807	CLA	C1D-ND	-2.95	1.34	1.37
14	A	828	CLA	C4D-CHA	2.95	1.48	1.38
14	B	809	CLA	C4D-CHA	2.95	1.48	1.38
14	A	830	CLA	MG-ND	-2.95	1.99	2.05
14	Q	202	CLA	C4D-CHA	2.95	1.48	1.38
14	G	814	CLA	C4D-CHA	2.95	1.48	1.38
14	G	816	CLA	C4D-CHA	2.95	1.48	1.38
14	a	833	CLA	C4D-CHA	2.95	1.48	1.38
14	a	811	CLA	MG-NC	2.95	2.13	2.06
14	G	822	CLA	C4D-CHA	2.95	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	1701	CLA	C3D-C2D	2.95	1.47	1.39
14	A	826	CLA	C1B-NB	-2.95	1.34	1.37
14	b	822	CLA	C1B-NB	-2.95	1.34	1.37
14	x	1701	CLA	C4D-CHA	2.95	1.48	1.38
14	b	809	CLA	C3D-C2D	2.95	1.47	1.39
14	a	838	CLA	C1B-NB	-2.95	1.34	1.37
14	l	205	CLA	C1B-NB	-2.95	1.34	1.37
14	a	830	CLA	C4D-CHA	2.95	1.48	1.38
14	b	830	CLA	MG-NC	2.95	2.13	2.06
14	b	835	CLA	C3D-C2D	2.95	1.47	1.39
14	A	823	CLA	C3D-C2D	2.94	1.47	1.39
14	B	839	CLA	C1B-NB	-2.94	1.34	1.37
14	G	826	CLA	MG-NC	2.94	2.13	2.06
14	a	808	CLA	C4D-CHA	2.94	1.48	1.38
14	a	816	CLA	C4D-CHA	2.94	1.48	1.38
14	B	832	CLA	C4D-CHA	2.94	1.48	1.38
14	G	809	CLA	C1B-C2B	2.94	1.50	1.43
14	U	205	CLA	C1B-NB	-2.94	1.34	1.37
14	b	814	CLA	MG-NC	2.94	2.13	2.06
14	A	820	CLA	MG-NC	2.94	2.13	2.06
14	b	803	CLA	C4D-CHA	2.94	1.48	1.38
14	b	814	CLA	C4D-CHA	2.94	1.48	1.38
14	H	810	CLA	C3D-C2D	2.94	1.47	1.39
14	a	811	CLA	C3D-C2D	2.94	1.47	1.39
14	H	818	CLA	MG-ND	-2.94	2.00	2.05
14	A	808	CLA	C1B-NB	-2.94	1.34	1.37
14	a	826	CLA	MG-NC	2.94	2.13	2.06
14	H	818	CLA	C3D-C2D	2.94	1.47	1.39
14	H	822	CLA	C4D-CHA	2.94	1.48	1.38
14	a	822	CLA	C4D-CHA	2.94	1.48	1.38
14	M	1601	CLA	MG-ND	-2.94	2.00	2.05
14	B	841	CLA	C4D-CHA	2.94	1.48	1.38
14	H	804	CLA	MG-NC	2.94	2.13	2.06
14	a	811	CLA	C1D-ND	-2.94	1.34	1.37
14	m	1202	CLA	C1D-ND	-2.94	1.34	1.37
14	a	827	CLA	MG-NC	2.94	2.13	2.06
14	G	817	CLA	C4D-CHA	2.94	1.48	1.38
14	H	830	CLA	C4D-CHA	2.94	1.48	1.38
14	b	809	CLA	MG-NC	2.94	2.13	2.06
14	H	817	CLA	C4D-CHA	2.94	1.48	1.38
14	b	804	CLA	C4D-CHA	2.94	1.48	1.38
14	b	803	CLA	MG-NC	2.94	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	841	CLA	MG-NC	2.94	2.13	2.06
14	a	823	CLA	C4D-CHA	2.94	1.48	1.38
14	A	815	CLA	C1D-ND	-2.94	1.34	1.37
14	a	837	CLA	C1D-ND	-2.94	1.34	1.37
14	b	838	CLA	C1D-ND	-2.94	1.34	1.37
14	G	802	CLA	C4D-CHA	2.94	1.48	1.38
14	b	816	CLA	C3D-C2D	2.94	1.47	1.39
14	V	1601	CLA	C1D-ND	-2.94	1.34	1.37
14	b	811	CLA	MG-NC	2.94	2.13	2.06
14	A	802	CLA	C4D-CHA	2.94	1.48	1.38
14	B	808	CLA	MG-ND	-2.94	2.00	2.05
14	a	804	CLA	MG-NC	2.94	2.13	2.06
14	T	101	CLA	OBD-CAD	2.94	1.29	1.23
13	G	801	CL0	MG-NC	2.94	2.13	2.06
14	A	836	CLA	MG-ND	-2.94	2.00	2.05
14	A	817	CLA	MG-NC	2.94	2.13	2.06
14	U	207	CLA	MG-NC	2.94	2.13	2.06
14	G	823	CLA	C4D-CHA	2.94	1.48	1.38
14	B	821	CLA	C4D-CHA	2.94	1.48	1.38
14	m	1202	CLA	MG-ND	-2.93	2.00	2.05
14	G	837	CLA	C1D-ND	-2.93	1.34	1.37
14	H	840	CLA	C1D-ND	-2.93	1.34	1.37
14	G	830	CLA	C4D-CHA	2.93	1.48	1.38
14	H	807	CLA	C1D-ND	-2.93	1.34	1.37
14	a	821	CLA	OBD-CAD	2.93	1.27	1.22
14	B	829	CLA	C4D-CHA	2.93	1.48	1.38
14	B	838	CLA	C4D-CHA	2.93	1.48	1.38
14	A	818	CLA	MG-ND	-2.93	2.00	2.05
14	H	809	CLA	C1D-ND	-2.93	1.34	1.37
14	A	814	CLA	C3D-C2D	2.93	1.47	1.39
14	G	833	CLA	C4D-CHA	2.93	1.48	1.38
14	H	816	CLA	C4D-CHA	2.93	1.48	1.38
14	H	833	CLA	C1D-ND	-2.93	1.34	1.37
14	A	814	CLA	C4D-CHA	2.93	1.48	1.38
14	b	836	CLA	C3D-C2D	2.93	1.47	1.39
14	B	812	CLA	MG-NC	2.93	2.13	2.06
14	B	833	CLA	MG-NC	2.93	2.13	2.06
14	b	824	CLA	MG-ND	-2.93	2.00	2.05
14	b	806	CLA	C4D-CHA	2.93	1.48	1.38
14	b	833	CLA	MG-NC	2.93	2.13	2.06
14	H	813	CLA	C3D-C2D	2.93	1.47	1.39
14	A	808	CLA	C1D-ND	-2.93	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	837	CLA	C1D-ND	-2.93	1.34	1.37
14	a	837	CLA	C3D-C2D	2.93	1.47	1.39
14	b	814	CLA	C3D-C2D	2.93	1.47	1.39
14	a	837	CLA	MG-ND	-2.93	2.00	2.05
14	H	808	CLA	MG-ND	-2.93	2.00	2.05
14	k	101	CLA	OBD-CAD	2.93	1.29	1.23
14	a	809	CLA	C1D-ND	-2.93	1.34	1.37
14	B	806	CLA	C4B-NB	-2.93	1.34	1.37
14	H	828	CLA	MG-NC	2.93	2.13	2.06
14	H	811	CLA	C1B-C2B	2.93	1.50	1.43
14	U	201	CLA	MG-ND	-2.93	2.00	2.05
14	B	803	CLA	C3D-C2D	2.93	1.47	1.39
14	L	206	CLA	C3D-C2D	2.93	1.47	1.39
14	H	812	CLA	C4D-CHA	2.93	1.48	1.38
14	G	807	CLA	MG-NC	2.93	2.13	2.06
14	A	820	CLA	C3D-C2D	2.93	1.47	1.39
14	A	836	CLA	C1B-NB	-2.93	1.34	1.37
14	A	842	CLA	C3D-C2D	2.93	1.47	1.39
14	b	807	CLA	C3D-C2D	2.93	1.47	1.39
14	a	831	CLA	C1D-ND	-2.93	1.34	1.37
14	H	813	CLA	C4D-CHA	2.93	1.48	1.38
14	a	838	CLA	C3D-C2D	2.93	1.47	1.39
14	B	810	CLA	C3D-C2D	2.93	1.47	1.39
14	A	830	CLA	C1B-NB	-2.93	1.34	1.37
14	B	810	CLA	C1D-ND	-2.93	1.34	1.37
14	G	851	CLA	C4D-CHA	2.93	1.48	1.38
14	H	841	CLA	C4D-CHA	2.93	1.48	1.38
14	b	803	CLA	C3D-C2D	2.93	1.47	1.39
14	B	809	CLA	C1B-NB	-2.93	1.34	1.37
14	H	818	CLA	C1D-ND	-2.93	1.34	1.37
14	b	810	CLA	C3D-C2D	2.93	1.47	1.39
14	a	832	CLA	MG-NC	2.93	2.13	2.06
14	B	813	CLA	C4D-CHA	2.93	1.48	1.38
14	H	817	CLA	C3D-C2D	2.93	1.47	1.39
14	a	819	CLA	MG-ND	-2.92	2.00	2.05
14	b	810	CLA	C4D-CHA	2.92	1.48	1.38
14	a	819	CLA	C1D-ND	-2.92	1.34	1.37
14	a	821	CLA	C1D-ND	-2.92	1.34	1.37
14	B	834	CLA	C1C-NC	-2.92	1.33	1.37
14	a	829	CLA	C3D-C2D	2.92	1.47	1.39
14	H	816	CLA	C3D-C2D	2.92	1.47	1.39
14	b	833	CLA	C3D-C2D	2.92	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	834	CLA	C4D-CHA	2.92	1.48	1.38
14	H	835	CLA	C4D-CHA	2.92	1.48	1.38
14	G	816	CLA	C3D-C2D	2.92	1.47	1.39
14	a	828	CLA	C4D-CHA	2.92	1.48	1.38
14	H	801	CLA	CHB-C1B	2.92	1.46	1.39
14	b	830	CLA	C4D-CHA	2.92	1.48	1.38
14	G	811	CLA	C3D-C2D	2.92	1.47	1.39
14	G	837	CLA	C3D-C2D	2.92	1.47	1.39
14	G	840	CLA	MG-NC	2.92	2.13	2.06
14	A	823	CLA	MG-NC	2.92	2.13	2.06
14	a	809	CLA	C4D-CHA	2.92	1.48	1.38
14	G	805	CLA	MG-ND	-2.92	2.00	2.05
14	U	201	CLA	C1D-ND	-2.92	1.34	1.37
14	A	809	CLA	C1B-C2B	2.92	1.50	1.43
14	B	810	CLA	C1B-C2B	2.92	1.50	1.43
14	B	835	CLA	C1D-ND	-2.92	1.34	1.37
14	G	821	CLA	C4D-CHA	2.92	1.48	1.38
14	a	814	CLA	C4D-CHA	2.92	1.48	1.38
14	H	805	CLA	C4D-CHA	2.92	1.48	1.38
14	G	825	CLA	C4D-CHA	2.92	1.48	1.38
14	a	821	CLA	C1B-NB	-2.92	1.34	1.37
14	B	838	CLA	C1D-ND	-2.92	1.34	1.37
14	G	818	CLA	MG-ND	-2.92	2.00	2.05
14	H	833	CLA	C4D-CHA	2.92	1.48	1.38
14	A	829	CLA	C3D-C2D	2.92	1.46	1.39
14	L	201	CLA	MG-ND	-2.92	2.00	2.05
14	H	813	CLA	MG-NC	2.92	2.13	2.06
14	A	809	CLA	C3D-C2D	2.92	1.46	1.39
14	B	818	CLA	C3D-C2D	2.92	1.46	1.39
14	a	827	CLA	C3D-C2D	2.92	1.46	1.39
14	B	833	CLA	C4D-CHA	2.92	1.48	1.38
14	H	807	CLA	C4D-CHA	2.92	1.48	1.38
14	U	201	CLA	C4D-CHA	2.92	1.48	1.38
14	B	808	CLA	C1D-ND	-2.92	1.34	1.37
14	j	1301	CLA	C1B-NB	-2.92	1.34	1.37
14	a	834	CLA	C4D-CHA	2.92	1.48	1.38
14	a	837	CLA	C4D-CHA	2.92	1.48	1.38
14	A	837	CLA	MG-ND	-2.92	2.00	2.05
14	H	835	CLA	MG-NC	2.92	2.13	2.06
14	G	832	CLA	C1B-NB	-2.92	1.34	1.37
14	H	841	CLA	C1D-ND	-2.92	1.34	1.37
14	G	813	CLA	C4D-CHA	2.92	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	834	CLA	C1D-ND	-2.92	1.34	1.37
14	L	206	CLA	C4D-CHA	2.91	1.48	1.38
14	B	833	CLA	C1D-ND	-2.91	1.34	1.37
14	H	833	CLA	C1B-NB	-2.91	1.34	1.37
14	G	841	CLA	C3D-C2D	2.91	1.46	1.39
14	U	207	CLA	C3D-C2D	2.91	1.46	1.39
14	b	812	CLA	C4D-CHA	2.91	1.48	1.38
14	b	833	CLA	C4D-CHA	2.91	1.48	1.38
14	L	204	CLA	C1B-NB	-2.91	1.34	1.37
14	b	822	CLA	MG-NC	2.91	2.13	2.06
14	H	802	CLA	MG-NC	2.91	2.13	2.06
14	R	101	CLA	C1B-NB	-2.91	1.34	1.37
14	A	819	CLA	C4D-CHA	2.91	1.48	1.38
14	G	828	CLA	C4D-CHA	2.91	1.48	1.38
14	G	833	CLA	MG-NC	2.91	2.13	2.06
14	a	807	CLA	MG-NC	2.91	2.13	2.06
14	b	836	CLA	C1B-NB	-2.91	1.34	1.37
14	A	831	CLA	C3D-C2D	2.91	1.46	1.39
14	b	826	CLA	C3D-C2D	2.91	1.46	1.39
14	A	811	CLA	C3D-C2D	2.91	1.46	1.39
13	a	801	CL0	C4D-CHA	2.91	1.48	1.38
14	a	852	CLA	C4D-CHA	2.91	1.48	1.38
14	U	207	CLA	C1B-NB	-2.91	1.34	1.37
14	A	830	CLA	C4D-CHA	2.91	1.48	1.38
14	A	819	CLA	MG-ND	-2.91	2.00	2.05
14	G	828	CLA	MG-NC	2.91	2.13	2.06
14	A	828	CLA	C3D-C2D	2.91	1.46	1.39
14	a	823	CLA	C3D-C2D	2.91	1.46	1.39
14	A	825	CLA	C1B-NB	-2.91	1.34	1.37
14	A	807	CLA	C3D-C2D	2.91	1.46	1.39
14	b	826	CLA	C4D-CHA	2.91	1.48	1.38
14	B	803	CLA	MG-NC	2.91	2.13	2.06
14	a	839	CLA	C3D-C2D	2.91	1.46	1.39
14	A	813	CLA	C1D-ND	-2.91	1.34	1.37
14	H	820	CLA	C1B-NB	-2.91	1.34	1.37
14	a	813	CLA	MG-NC	2.91	2.13	2.06
14	H	819	CLA	C4D-CHA	2.91	1.48	1.38
14	G	836	CLA	MG-ND	-2.91	2.00	2.05
14	a	831	CLA	MG-ND	-2.91	2.00	2.05
14	a	819	CLA	C4D-CHA	2.91	1.48	1.38
14	A	839	CLA	MG-ND	-2.91	2.00	2.05
14	G	819	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	840	CLA	C4D-CHA	2.91	1.48	1.38
14	H	834	CLA	C1C-NC	-2.91	1.33	1.37
14	B	811	CLA	C1B-C2B	2.91	1.49	1.43
14	H	820	CLA	C3D-C2D	2.91	1.46	1.39
14	A	812	CLA	C1D-ND	-2.91	1.34	1.37
14	b	811	CLA	C4D-CHA	2.91	1.48	1.38
14	a	806	CLA	C3D-C2D	2.90	1.46	1.39
14	a	808	CLA	C3D-C2D	2.90	1.46	1.39
14	b	830	CLA	C1D-ND	-2.90	1.34	1.37
14	H	831	CLA	C4D-CHA	2.90	1.48	1.38
14	B	817	CLA	C3D-C2D	2.90	1.46	1.39
14	l	205	CLA	MG-NC	2.90	2.13	2.06
14	G	809	CLA	MG-NC	2.90	2.13	2.06
14	G	816	CLA	C1D-ND	-2.90	1.34	1.37
14	G	812	CLA	MG-ND	-2.90	2.00	2.05
14	a	807	CLA	C3D-C2D	2.90	1.46	1.39
14	Q	201	CLA	C3D-C2D	2.90	1.46	1.39
14	a	805	CLA	C4D-CHA	2.90	1.48	1.38
14	A	805	CLA	C1D-ND	-2.90	1.34	1.37
14	A	812	CLA	C1B-NB	-2.90	1.34	1.37
14	B	823	CLA	C1D-ND	-2.90	1.34	1.37
14	b	817	CLA	C3D-C2D	2.90	1.46	1.39
14	B	835	CLA	C4D-CHA	2.90	1.48	1.38
14	b	829	CLA	C4D-CHA	2.90	1.48	1.38
14	B	813	CLA	C3D-C2D	2.90	1.46	1.39
14	a	829	CLA	C4D-CHA	2.90	1.48	1.38
14	L	201	CLA	C4D-CHA	2.90	1.48	1.38
14	b	832	CLA	C1C-NC	-2.90	1.33	1.37
14	b	808	CLA	C1B-C2B	2.90	1.49	1.43
14	a	802	CLA	MG-ND	-2.90	2.00	2.05
14	B	819	CLA	C4D-CHA	2.90	1.48	1.38
14	A	821	CLA	C1B-NB	-2.90	1.34	1.37
14	B	839	CLA	MG-NC	2.90	2.13	2.06
14	Q	202	CLA	MG-ND	-2.90	2.00	2.05
14	A	841	CLA	MG-NC	2.90	2.13	2.06
14	B	817	CLA	MG-NC	2.90	2.13	2.06
14	a	838	CLA	C1D-ND	-2.90	1.34	1.37
14	H	808	CLA	C1D-ND	-2.90	1.34	1.37
14	A	805	CLA	C4D-CHA	2.90	1.48	1.38
14	B	825	CLA	C3A-C2A	-2.90	1.46	1.54
14	a	821	CLA	C4D-CHA	2.90	1.48	1.38
14	b	825	CLA	MG-NC	2.90	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	823	CLA	MG-NC	2.90	2.13	2.06
14	G	809	CLA	C3D-C2D	2.90	1.46	1.39
14	A	823	CLA	C1B-C2B	2.90	1.49	1.43
14	G	804	CLA	C1B-NB	-2.90	1.34	1.37
14	G	823	CLA	C3D-C2D	2.90	1.46	1.39
14	a	809	CLA	C3D-C2D	2.90	1.46	1.39
14	a	813	CLA	C1D-ND	-2.90	1.34	1.37
14	V	1601	CLA	C1B-C2B	2.90	1.49	1.43
14	A	821	CLA	MG-NC	2.90	2.13	2.06
14	G	839	CLA	C4D-CHA	2.90	1.48	1.38
14	a	824	CLA	C4D-CHA	2.90	1.48	1.38
14	G	813	CLA	C3D-C2D	2.89	1.46	1.39
14	B	835	CLA	MG-NC	2.89	2.13	2.06
14	G	830	CLA	MG-ND	-2.89	2.00	2.05
14	a	833	CLA	MG-ND	-2.89	2.00	2.05
14	a	804	CLA	C1B-NB	-2.89	1.34	1.37
14	G	805	CLA	C4D-CHA	2.89	1.48	1.38
14	G	806	CLA	C3D-C2D	2.89	1.46	1.39
13	a	801	CL0	MG-NC	2.89	2.13	2.06
14	A	813	CLA	C3D-C2D	2.89	1.46	1.39
14	A	809	CLA	C1D-ND	-2.89	1.34	1.37
14	a	817	CLA	C1B-NB	-2.89	1.34	1.37
14	B	815	CLA	C1B-NB	-2.89	1.34	1.37
14	b	806	CLA	C1B-NB	-2.89	1.34	1.37
14	L	206	CLA	C1B-NB	-2.89	1.34	1.37
14	G	808	CLA	C3D-C2D	2.89	1.46	1.39
14	a	825	CLA	MG-NC	2.89	2.13	2.06
14	m	1201	CLA	C1D-ND	-2.89	1.34	1.37
14	A	836	CLA	C3D-C2D	2.89	1.46	1.39
14	b	815	CLA	C3D-C2D	2.89	1.46	1.39
14	b	802	CLA	MG-NC	2.89	2.13	2.06
14	a	805	CLA	MG-ND	-2.89	2.00	2.05
14	a	831	CLA	C3D-C2D	2.89	1.46	1.39
14	A	822	CLA	MG-ND	-2.89	2.00	2.05
14	G	835	CLA	C3D-C2D	2.89	1.46	1.39
14	a	828	CLA	C3D-C2D	2.89	1.46	1.39
14	A	837	CLA	C4D-CHA	2.89	1.48	1.38
14	A	804	CLA	C1B-NB	-2.89	1.34	1.37
14	B	803	CLA	C4D-CHA	2.89	1.48	1.38
14	A	808	CLA	C3D-C2D	2.89	1.46	1.39
14	a	810	CLA	MG-ND	-2.89	2.00	2.05
14	a	836	CLA	MG-ND	-2.89	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	825	CLA	C4D-CHA	2.89	1.48	1.38
14	H	812	CLA	C1C-NC	-2.89	1.33	1.37
14	G	828	CLA	C3D-C2D	2.89	1.46	1.39
14	H	810	CLA	C1B-C2B	2.89	1.49	1.43
14	A	805	CLA	MG-NC	2.89	2.13	2.06
14	a	818	CLA	MG-ND	-2.89	2.00	2.05
14	a	805	CLA	MG-NC	2.89	2.13	2.06
14	b	831	CLA	C3D-C2D	2.89	1.46	1.39
14	H	838	CLA	C1B-NB	-2.89	1.34	1.37
14	H	803	CLA	MG-NC	2.89	2.13	2.06
14	G	812	CLA	C4D-CHA	2.89	1.48	1.38
14	A	805	CLA	C3D-C2D	2.89	1.46	1.39
14	A	832	CLA	C1B-NB	-2.89	1.34	1.37
14	R	101	CLA	C4D-CHA	2.89	1.48	1.38
14	H	806	CLA	C1B-C2B	2.89	1.49	1.43
14	G	805	CLA	MG-NC	2.89	2.13	2.06
14	G	821	CLA	C1D-ND	-2.88	1.34	1.37
14	B	829	CLA	C1B-NB	-2.88	1.34	1.37
14	a	810	CLA	MG-NC	2.88	2.13	2.06
14	A	822	CLA	C4D-CHA	2.88	1.48	1.38
14	G	834	CLA	C4D-CHA	2.88	1.48	1.38
14	A	808	CLA	MG-NC	2.88	2.13	2.06
14	a	852	CLA	C3C-C2C	2.88	1.43	1.36
14	A	817	CLA	C1D-ND	-2.88	1.34	1.37
14	H	835	CLA	C3D-C2D	2.88	1.46	1.39
14	B	842	CLA	C3D-C2D	2.88	1.46	1.39
14	B	826	CLA	C4D-CHA	2.88	1.48	1.38
14	B	828	CLA	C1B-C2B	2.88	1.49	1.43
14	b	836	CLA	MG-ND	-2.88	2.00	2.05
14	G	823	CLA	C1B-C2B	2.88	1.49	1.43
14	a	825	CLA	C4D-CHA	2.88	1.48	1.38
14	A	817	CLA	MG-ND	-2.88	2.00	2.05
14	G	831	CLA	MG-ND	-2.88	2.00	2.05
14	H	804	CLA	C3D-C2D	2.88	1.46	1.39
14	l	205	CLA	C4D-CHA	2.88	1.48	1.38
14	a	817	CLA	MG-ND	-2.88	2.00	2.05
14	H	806	CLA	MG-NC	2.88	2.13	2.06
14	b	837	CLA	MG-NC	2.88	2.13	2.06
14	G	809	CLA	C1D-ND	-2.88	1.34	1.37
14	a	805	CLA	C1D-ND	-2.88	1.34	1.37
14	R	101	CLA	C1C-NC	-2.88	1.33	1.37
14	F	201	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	810	CLA	MG-NC	2.88	2.13	2.06
14	L	205	CLA	MG-NC	2.88	2.13	2.06
14	b	822	CLA	MG-ND	-2.88	2.00	2.05
14	R	101	CLA	MG-ND	-2.88	2.00	2.05
14	b	816	CLA	MG-ND	-2.88	2.00	2.05
14	H	832	CLA	C4D-CHA	2.88	1.48	1.38
14	U	206	CLA	C3D-C2D	2.88	1.46	1.39
14	G	829	CLA	C1B-NB	-2.88	1.34	1.37
14	B	815	CLA	C4D-CHA	2.88	1.48	1.38
14	H	819	CLA	C1B-C2B	2.88	1.49	1.43
14	a	835	CLA	C3D-C2D	2.88	1.46	1.39
14	G	837	CLA	C1B-NB	-2.88	1.34	1.37
14	H	835	CLA	C1D-ND	-2.88	1.34	1.37
14	b	840	CLA	MG-ND	-2.88	2.00	2.05
14	A	826	CLA	C4D-CHA	2.88	1.48	1.38
14	H	815	CLA	C4D-CHA	2.88	1.48	1.38
14	G	829	CLA	C3D-C2D	2.88	1.46	1.39
14	A	837	CLA	C1B-NB	-2.88	1.34	1.37
14	b	802	CLA	C1B-NB	-2.88	1.34	1.37
14	H	805	CLA	C1B-NB	-2.88	1.34	1.37
14	b	814	CLA	C1D-ND	-2.88	1.34	1.37
14	a	833	CLA	MG-NC	2.88	2.13	2.06
14	A	824	CLA	C4D-CHA	2.88	1.48	1.38
14	A	841	CLA	OBD-CAD	2.88	1.28	1.23
14	a	809	CLA	MG-NC	2.88	2.13	2.06
14	U	201	CLA	MG-NC	2.88	2.13	2.06
14	b	807	CLA	C1B-C2B	2.88	1.49	1.43
14	a	817	CLA	C1D-ND	-2.88	1.34	1.37
14	a	829	CLA	C1B-NB	-2.88	1.34	1.37
14	a	837	CLA	C1B-NB	-2.88	1.34	1.37
14	G	829	CLA	C4D-CHA	2.87	1.48	1.38
14	G	807	CLA	C3D-C2D	2.87	1.46	1.39
14	H	824	CLA	C3D-C2D	2.87	1.46	1.39
14	L	205	CLA	C3D-C2D	2.87	1.46	1.39
14	b	829	CLA	MG-NC	2.87	2.13	2.06
14	B	832	CLA	MG-NC	2.87	2.13	2.06
14	B	820	CLA	C3D-C2D	2.87	1.46	1.39
14	H	825	CLA	MG-ND	-2.87	2.00	2.05
14	A	811	CLA	MG-NC	2.87	2.13	2.06
14	A	810	CLA	C1D-ND	-2.87	1.34	1.37
14	j	1303	CLA	OBD-CAD	2.87	1.28	1.23
14	G	833	CLA	MG-ND	-2.87	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	813	CLA	C1B-C2B	2.87	1.49	1.43
14	L	201	CLA	C1B-NB	-2.87	1.34	1.37
14	A	802	CLA	C3D-C2D	2.87	1.46	1.39
14	H	832	CLA	MG-NC	2.87	2.13	2.06
14	A	813	CLA	MG-ND	-2.87	2.00	2.05
14	A	852	CLA	C4D-CHA	2.87	1.48	1.38
14	G	831	CLA	C1B-NB	-2.87	1.34	1.37
14	a	832	CLA	C1B-NB	-2.87	1.34	1.37
14	B	833	CLA	MG-ND	-2.87	2.00	2.05
14	G	811	CLA	C4D-CHA	2.87	1.48	1.38
14	B	827	CLA	C4D-CHA	2.87	1.48	1.38
14	H	840	CLA	MG-ND	-2.87	2.00	2.05
14	b	820	CLA	C1B-NB	-2.87	1.34	1.37
14	H	814	CLA	C4D-CHA	2.87	1.48	1.38
14	b	816	CLA	C1B-NB	-2.87	1.34	1.37
14	H	823	CLA	MG-ND	-2.87	2.00	2.05
14	a	834	CLA	C3D-C2D	2.87	1.46	1.39
14	G	827	CLA	MG-ND	-2.87	2.00	2.05
14	b	836	CLA	C1D-ND	-2.87	1.34	1.37
14	A	813	CLA	C4D-CHA	2.87	1.48	1.38
14	H	821	CLA	C4D-CHA	2.87	1.48	1.38
14	G	831	CLA	C3D-C2D	2.87	1.46	1.39
14	a	816	CLA	C1D-ND	-2.87	1.34	1.37
14	G	837	CLA	MG-ND	-2.87	2.00	2.05
14	a	804	CLA	MG-ND	-2.87	2.00	2.05
14	B	828	CLA	C3D-C2D	2.87	1.46	1.39
14	G	837	CLA	C4D-CHA	2.87	1.48	1.38
14	b	819	CLA	C1B-NB	-2.87	1.34	1.37
14	H	806	CLA	C4D-CHA	2.86	1.48	1.38
14	b	814	CLA	MG-ND	-2.86	2.00	2.05
14	G	803	CLA	C1B-NB	-2.86	1.34	1.37
14	B	809	CLA	C1D-ND	-2.86	1.34	1.37
14	l	204	CLA	C3D-C2D	2.86	1.46	1.39
14	b	831	CLA	C4D-CHA	2.86	1.48	1.38
14	H	828	CLA	C3D-C2D	2.86	1.46	1.39
14	G	815	CLA	C1B-NB	-2.86	1.34	1.37
14	B	823	CLA	C1B-C2B	2.86	1.49	1.43
14	A	821	CLA	C4D-CHA	2.86	1.48	1.38
14	G	838	CLA	C1D-ND	-2.86	1.34	1.37
14	a	822	CLA	C3D-C2D	2.86	1.46	1.39
14	a	804	CLA	C3D-C2D	2.86	1.46	1.39
14	a	814	CLA	C1D-ND	-2.86	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	814	CLA	C1B-NB	-2.86	1.34	1.37
14	G	804	CLA	C3D-C2D	2.86	1.46	1.39
14	A	817	CLA	C1B-NB	-2.86	1.34	1.37
14	b	817	CLA	C1B-NB	-2.86	1.34	1.37
14	J	1303	CLA	C1B-C2B	2.86	1.49	1.43
14	a	836	CLA	C3D-C2D	2.86	1.46	1.39
14	G	825	CLA	C1B-NB	-2.86	1.34	1.37
14	a	834	CLA	C1B-NB	-2.86	1.34	1.37
14	H	809	CLA	MG-ND	-2.86	2.00	2.05
14	b	815	CLA	C1B-C2B	2.86	1.49	1.43
14	B	802	CLA	C4D-CHA	2.86	1.48	1.38
14	A	835	CLA	C3D-C2D	2.86	1.46	1.39
14	H	841	CLA	C3D-C2D	2.86	1.46	1.39
14	b	825	CLA	C1B-C2B	2.86	1.49	1.43
14	b	832	CLA	MG-NC	2.86	2.13	2.06
14	H	838	CLA	MG-ND	-2.86	2.00	2.05
14	a	853	CLA	C4B-NB	-2.86	1.34	1.37
14	B	806	CLA	C4D-CHA	2.86	1.48	1.38
14	G	808	CLA	MG-ND	-2.86	2.00	2.05
14	H	841	CLA	MG-ND	-2.86	2.00	2.05
14	B	804	CLA	C3D-C2D	2.86	1.46	1.39
14	b	802	CLA	C4D-CHA	2.86	1.48	1.38
14	A	826	CLA	MG-NC	2.86	2.13	2.06
14	J	1303	CLA	OBD-CAD	2.86	1.28	1.23
14	R	101	CLA	MG-NC	2.86	2.13	2.06
14	A	821	CLA	MG-ND	-2.86	2.00	2.05
14	a	853	CLA	C4D-CHA	2.85	1.48	1.38
14	G	841	CLA	C1D-ND	-2.85	1.34	1.37
13	G	801	CL0	C4D-CHA	2.85	1.48	1.38
14	j	1303	CLA	C1B-C2B	2.85	1.49	1.43
14	b	804	CLA	MG-NC	2.85	2.13	2.06
14	H	833	CLA	MG-ND	-2.85	2.00	2.05
14	B	833	CLA	C1B-NB	-2.85	1.34	1.37
14	b	817	CLA	C1D-ND	-2.85	1.34	1.37
14	b	826	CLA	C4B-NB	-2.85	1.34	1.37
14	G	836	CLA	C3D-C2D	2.85	1.46	1.39
14	A	810	CLA	C4D-CHA	2.85	1.48	1.38
14	H	840	CLA	C4D-CHA	2.85	1.48	1.38
14	A	837	CLA	C1B-C2B	2.85	1.49	1.43
14	H	813	CLA	C1B-C2B	2.85	1.49	1.43
14	a	826	CLA	C4D-CHA	2.85	1.48	1.38
14	H	802	CLA	C1B-NB	-2.85	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	838	CLA	MG-ND	-2.85	2.00	2.05
14	B	816	CLA	C4D-CHA	2.85	1.48	1.38
14	A	821	CLA	C3D-C2D	2.85	1.46	1.39
14	m	1201	CLA	MG-NC	2.85	2.13	2.06
14	b	840	CLA	C3D-C2D	2.85	1.46	1.39
14	B	802	CLA	C1B-NB	-2.85	1.34	1.37
14	a	821	CLA	C3D-C2D	2.85	1.46	1.39
14	A	832	CLA	MG-ND	-2.85	2.00	2.05
14	b	818	CLA	C4D-CHA	2.85	1.48	1.38
14	a	810	CLA	C4D-CHA	2.85	1.48	1.38
14	L	201	CLA	MG-NC	2.85	2.13	2.06
14	a	839	CLA	C1D-ND	-2.85	1.34	1.37
14	a	813	CLA	MG-ND	-2.85	2.00	2.05
14	B	835	CLA	C1B-NB	-2.85	1.34	1.37
14	A	839	CLA	C4D-CHA	2.85	1.48	1.38
14	A	818	CLA	C1D-ND	-2.85	1.34	1.37
14	A	831	CLA	C1B-NB	-2.85	1.34	1.37
14	A	842	CLA	C1D-ND	-2.85	1.34	1.37
14	a	825	CLA	C1B-NB	-2.85	1.34	1.37
14	b	817	CLA	MG-ND	-2.85	2.00	2.05
14	a	805	CLA	C3D-C2D	2.85	1.46	1.39
14	b	826	CLA	C1B-NB	-2.85	1.34	1.37
14	a	840	CLA	C3D-C2D	2.85	1.46	1.39
14	B	835	CLA	C3D-C2D	2.85	1.46	1.39
14	a	808	CLA	MG-ND	-2.85	2.00	2.05
14	A	829	CLA	C4D-CHA	2.85	1.48	1.38
14	B	807	CLA	MG-NC	2.85	2.13	2.06
14	A	841	CLA	C1D-ND	-2.85	1.34	1.37
14	b	833	CLA	MG-ND	-2.85	2.00	2.05
14	A	825	CLA	MG-NC	2.85	2.13	2.06
14	G	825	CLA	MG-ND	-2.85	2.00	2.05
14	G	837	CLA	C1B-C2B	2.85	1.49	1.43
14	Q	201	CLA	C4D-CHA	2.85	1.48	1.38
14	G	822	CLA	C3D-C2D	2.85	1.46	1.39
14	B	841	CLA	MG-ND	-2.85	2.00	2.05
14	b	838	CLA	MG-ND	-2.85	2.00	2.05
14	b	824	CLA	C4D-CHA	2.85	1.48	1.38
14	A	804	CLA	C3D-C2D	2.85	1.46	1.39
14	G	824	CLA	C1B-NB	-2.84	1.34	1.37
14	B	821	CLA	C1B-NB	-2.84	1.34	1.37
14	A	834	CLA	C3D-C2D	2.84	1.46	1.39
14	H	824	CLA	MG-NC	2.84	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	825	CLA	C1B-C2B	2.84	1.49	1.43
14	G	821	CLA	MG-ND	-2.84	2.00	2.05
14	B	840	CLA	MG-ND	-2.84	2.00	2.05
14	b	821	CLA	MG-NC	2.84	2.13	2.06
14	A	806	CLA	C1B-C2B	2.84	1.49	1.43
14	a	804	CLA	C4D-CHA	2.84	1.48	1.38
14	a	823	CLA	C1B-C2B	2.84	1.49	1.43
14	b	813	CLA	C4D-CHA	2.84	1.48	1.38
14	B	808	CLA	C3D-C2D	2.84	1.46	1.39
14	A	810	CLA	MG-NC	2.84	2.13	2.06
14	A	838	CLA	C3D-C2D	2.84	1.46	1.39
14	W	1701	CLA	MG-ND	-2.84	2.00	2.05
14	H	828	CLA	C1B-C2B	2.84	1.49	1.43
14	b	830	CLA	MG-ND	-2.84	2.00	2.05
14	H	823	CLA	C1B-NB	-2.84	1.34	1.37
14	b	839	CLA	C4D-CHA	2.84	1.48	1.38
14	H	824	CLA	C1D-ND	-2.84	1.34	1.37
14	m	1201	CLA	C3D-C2D	2.84	1.46	1.39
14	b	837	CLA	C4D-CHA	2.84	1.48	1.38
14	a	813	CLA	C3D-C2D	2.84	1.46	1.39
14	G	805	CLA	C3D-C2D	2.84	1.46	1.39
14	B	824	CLA	C1D-ND	-2.84	1.34	1.37
14	b	833	CLA	C1B-NB	-2.84	1.34	1.37
14	U	201	CLA	C1B-NB	-2.84	1.34	1.37
14	S	102	CLA	C1B-C2B	2.84	1.49	1.43
14	A	805	CLA	MG-ND	-2.84	2.00	2.05
14	G	820	CLA	C4D-CHA	2.84	1.48	1.38
14	b	806	CLA	MG-NC	2.84	2.13	2.06
14	b	804	CLA	C1B-C2B	2.84	1.49	1.43
14	B	817	CLA	MG-ND	-2.84	2.00	2.05
14	A	809	CLA	MG-NC	2.84	2.13	2.06
14	a	852	CLA	MG-NC	2.84	2.13	2.06
14	B	841	CLA	C3D-C2D	2.84	1.46	1.39
14	A	842	CLA	MG-ND	-2.84	2.00	2.05
14	a	842	CLA	MG-ND	-2.84	2.00	2.05
14	G	805	CLA	C1B-NB	-2.84	1.34	1.37
14	H	808	CLA	C3D-C2D	2.84	1.46	1.39
14	B	824	CLA	MG-NC	2.84	2.13	2.06
14	a	820	CLA	C1B-NB	-2.84	1.34	1.37
14	a	811	CLA	C4D-CHA	2.84	1.48	1.38
14	H	817	CLA	C1D-ND	-2.84	1.34	1.37
14	A	811	CLA	MG-ND	-2.83	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	204	CLA	C3D-C2D	2.83	1.46	1.39
14	B	820	CLA	C1B-NB	-2.83	1.34	1.37
14	H	820	CLA	C1D-ND	-2.83	1.34	1.37
14	b	840	CLA	C1B-C2B	2.83	1.49	1.43
14	A	802	CLA	C1D-ND	-2.83	1.34	1.37
14	A	803	CLA	C1B-NB	-2.83	1.34	1.37
14	G	810	CLA	C1B-NB	-2.83	1.34	1.37
14	G	824	CLA	C3D-C2D	2.83	1.46	1.39
14	B	828	CLA	C1B-NB	-2.83	1.34	1.37
14	b	806	CLA	C1D-ND	-2.83	1.34	1.37
14	b	805	CLA	MG-ND	-2.83	2.00	2.05
14	b	825	CLA	MG-ND	-2.83	2.00	2.05
14	l	203	CLA	C3D-C2D	2.83	1.46	1.39
14	G	825	CLA	MG-NC	2.83	2.13	2.06
14	L	206	CLA	MG-ND	-2.83	2.00	2.05
14	k	101	CLA	C1D-ND	-2.83	1.34	1.37
14	G	839	CLA	MG-ND	-2.83	2.00	2.05
14	B	818	CLA	MG-ND	-2.83	2.00	2.05
14	B	836	CLA	MG-ND	-2.83	2.00	2.05
14	A	811	CLA	C4D-CHA	2.83	1.48	1.38
14	a	830	CLA	MG-ND	-2.83	2.00	2.05
14	A	814	CLA	C1D-ND	-2.83	1.34	1.37
14	b	816	CLA	C1D-ND	-2.83	1.34	1.37
14	S	102	CLA	C1D-ND	-2.83	1.34	1.37
14	B	825	CLA	MG-ND	-2.83	2.00	2.05
14	G	832	CLA	C1C-NC	-2.83	1.33	1.37
14	a	818	CLA	C1D-ND	-2.83	1.34	1.37
14	b	823	CLA	C4D-CHA	2.83	1.48	1.38
14	G	834	CLA	C1B-NB	-2.83	1.34	1.37
14	B	838	CLA	C1B-NB	-2.83	1.34	1.37
14	b	812	CLA	C1B-NB	-2.83	1.34	1.37
14	b	839	CLA	C1B-NB	-2.83	1.34	1.37
14	a	803	CLA	MG-ND	-2.83	2.00	2.05
14	x	1701	CLA	MG-ND	-2.83	2.00	2.05
14	B	836	CLA	C1D-ND	-2.83	1.34	1.37
14	B	808	CLA	OBD-CAD	2.83	1.27	1.22
14	H	837	CLA	MG-ND	-2.83	2.00	2.05
14	A	838	CLA	C1D-ND	-2.83	1.34	1.37
14	H	813	CLA	C1D-ND	-2.83	1.34	1.37
14	H	826	CLA	C4D-CHA	2.83	1.48	1.38
14	X	1701	CLA	MG-ND	-2.83	2.00	2.05
14	B	809	CLA	C3D-C2D	2.83	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	201	CLA	C4D-CHA	2.82	1.48	1.38
14	b	838	CLA	C4D-CHA	2.82	1.48	1.38
14	B	834	CLA	MG-NC	2.82	2.13	2.06
14	l	204	CLA	MG-ND	-2.82	2.00	2.05
14	b	828	CLA	C4D-CHA	2.82	1.48	1.38
14	H	808	CLA	C1C-NC	-2.82	1.33	1.37
14	H	802	CLA	C4D-CHA	2.82	1.48	1.38
14	B	807	CLA	C3D-C2D	2.82	1.46	1.39
14	A	810	CLA	MG-ND	-2.82	2.00	2.05
14	G	841	CLA	MG-ND	-2.82	2.00	2.05
14	l	205	CLA	MG-ND	-2.82	2.00	2.05
14	U	206	CLA	MG-NC	2.82	2.13	2.06
14	a	819	CLA	C1B-NB	-2.82	1.34	1.37
14	a	842	CLA	C1D-ND	-2.82	1.34	1.37
14	H	835	CLA	C1B-NB	-2.82	1.34	1.37
14	U	205	CLA	C3D-C2D	2.82	1.46	1.39
14	H	836	CLA	C1B-NB	-2.82	1.34	1.37
14	a	822	CLA	MG-ND	-2.82	2.00	2.05
14	U	206	CLA	MG-ND	-2.82	2.00	2.05
14	B	824	CLA	C3D-C2D	2.82	1.46	1.39
14	H	840	CLA	C3D-C2D	2.82	1.46	1.39
14	S	102	CLA	OBD-CAD	2.82	1.28	1.23
14	G	807	CLA	C1B-NB	-2.82	1.34	1.37
14	G	812	CLA	C1B-NB	-2.82	1.34	1.37
14	b	804	CLA	C3D-C2D	2.82	1.46	1.39
14	A	834	CLA	C1B-NB	-2.82	1.34	1.37
14	B	814	CLA	C4D-CHA	2.82	1.48	1.38
14	A	825	CLA	MG-ND	-2.82	2.00	2.05
14	b	805	CLA	MG-NC	2.82	2.13	2.06
14	A	807	CLA	C1B-NB	-2.82	1.34	1.37
14	a	837	CLA	C1B-C2B	2.82	1.49	1.43
14	a	839	CLA	MG-NC	2.82	2.13	2.06
14	H	831	CLA	MG-NC	2.82	2.13	2.06
14	G	822	CLA	MG-ND	-2.82	2.00	2.05
14	a	820	CLA	C4D-CHA	2.82	1.48	1.38
14	b	810	CLA	C1D-ND	-2.82	1.34	1.37
14	B	820	CLA	C1D-ND	-2.82	1.34	1.37
14	G	828	CLA	C1C-NC	-2.82	1.33	1.37
14	m	1202	CLA	C1B-C2B	2.82	1.49	1.43
14	G	838	CLA	C3D-C2D	2.82	1.46	1.39
14	b	825	CLA	C3D-C2D	2.82	1.46	1.39
14	L	205	CLA	MG-ND	-2.82	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	838	CLA	C3D-C2D	2.82	1.46	1.39
14	U	201	CLA	C1C-NC	-2.81	1.33	1.37
14	G	821	CLA	C3D-C2D	2.81	1.46	1.39
14	G	806	CLA	C1B-C2B	2.81	1.49	1.43
14	B	840	CLA	C3D-C2D	2.81	1.46	1.39
14	H	809	CLA	C3D-C2D	2.81	1.46	1.39
14	H	814	CLA	C1B-NB	-2.81	1.34	1.37
14	b	807	CLA	C4D-CHA	2.81	1.48	1.38
14	H	817	CLA	C1B-C2B	2.81	1.49	1.43
14	L	201	CLA	C1C-NC	-2.81	1.33	1.37
14	H	829	CLA	C4B-NB	-2.81	1.34	1.37
14	b	808	CLA	C3D-C2D	2.81	1.46	1.39
14	A	827	CLA	MG-ND	-2.81	2.00	2.05
14	A	816	CLA	C1D-ND	-2.81	1.34	1.37
14	G	814	CLA	C1D-ND	-2.81	1.34	1.37
14	a	836	CLA	C1B-NB	-2.81	1.34	1.37
14	B	814	CLA	MG-NC	2.81	2.12	2.06
14	G	832	CLA	MG-ND	-2.81	2.00	2.05
14	H	818	CLA	C1B-C2B	2.81	1.49	1.43
14	H	842	CLA	C3D-C2D	2.81	1.46	1.39
14	B	817	CLA	C1B-C2B	2.81	1.49	1.43
14	a	840	CLA	MG-ND	-2.81	2.00	2.05
14	G	814	CLA	MG-ND	-2.81	2.00	2.05
14	H	836	CLA	C1D-ND	-2.81	1.34	1.37
14	j	1302	CLA	C1B-NB	-2.81	1.34	1.37
14	B	839	CLA	C4D-CHA	2.81	1.48	1.38
14	U	205	CLA	C3B-C4B	2.81	1.50	1.42
13	A	801	CL0	C1B-C2B	2.81	1.49	1.43
14	A	839	CLA	C1B-NB	-2.81	1.34	1.37
14	b	831	CLA	C1B-NB	-2.81	1.34	1.37
14	B	819	CLA	MG-ND	-2.81	2.00	2.05
14	B	813	CLA	C1D-ND	-2.81	1.34	1.37
14	l	204	CLA	C1B-NB	-2.81	1.34	1.37
13	G	801	CL0	C1B-C2B	2.81	1.49	1.43
14	B	816	CLA	C1D-C2D	2.81	1.50	1.45
14	B	816	CLA	C1B-C2B	2.81	1.49	1.43
14	j	1303	CLA	C1D-ND	-2.81	1.34	1.37
14	H	839	CLA	MG-NC	2.81	2.12	2.06
14	G	804	CLA	C4B-NB	-2.81	1.34	1.37
14	b	805	CLA	C3D-C2D	2.81	1.46	1.39
14	A	814	CLA	MG-ND	-2.81	2.00	2.05
14	a	823	CLA	MG-ND	-2.81	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	838	CLA	MG-NC	2.81	2.12	2.06
14	B	811	CLA	C3D-C2D	2.80	1.46	1.39
14	b	820	CLA	MG-ND	-2.80	2.00	2.05
14	H	840	CLA	C1B-NB	-2.80	1.34	1.37
14	B	810	CLA	C4D-CHA	2.80	1.48	1.38
14	U	207	CLA	MG-ND	-2.80	2.00	2.05
14	H	804	CLA	C1D-ND	-2.80	1.34	1.37
14	b	814	CLA	C1B-C2B	2.80	1.49	1.43
14	H	810	CLA	C4D-CHA	2.80	1.48	1.38
14	A	829	CLA	C1B-NB	-2.80	1.34	1.37
14	a	815	CLA	C1D-ND	-2.80	1.34	1.37
14	a	813	CLA	C4D-CHA	2.80	1.48	1.38
14	A	826	CLA	C3C-C2C	2.80	1.42	1.36
14	B	811	CLA	MG-NC	2.80	2.12	2.06
14	U	206	CLA	C1B-NB	-2.80	1.34	1.37
14	a	803	CLA	C3D-C2D	2.80	1.46	1.39
14	H	825	CLA	C1B-NB	-2.80	1.34	1.37
14	A	829	CLA	MG-NC	2.80	2.12	2.06
14	a	807	CLA	MG-ND	-2.80	2.00	2.05
14	a	825	CLA	MG-ND	-2.80	2.00	2.05
14	A	823	CLA	C1B-NB	-2.80	1.34	1.37
14	A	822	CLA	C3D-C2D	2.80	1.46	1.39
14	a	820	CLA	MG-ND	-2.80	2.00	2.05
14	H	815	CLA	C1B-NB	-2.80	1.34	1.37
14	b	815	CLA	C1D-ND	-2.80	1.34	1.37
14	a	838	CLA	MG-ND	-2.80	2.00	2.05
14	H	820	CLA	MG-ND	-2.80	2.00	2.05
14	H	811	CLA	C3D-C2D	2.80	1.46	1.39
14	A	807	CLA	MG-ND	-2.80	2.00	2.05
14	J	1302	CLA	C1B-NB	-2.80	1.34	1.37
14	B	801	CLA	CHB-C1B	2.80	1.45	1.39
14	G	804	CLA	C4D-CHA	2.80	1.48	1.38
14	G	810	CLA	C4D-CHA	2.80	1.48	1.38
14	T	101	CLA	C1D-ND	-2.80	1.34	1.37
14	B	818	CLA	C1B-C2B	2.80	1.49	1.43
14	G	826	CLA	C4D-CHA	2.80	1.48	1.38
14	H	815	CLA	C1B-C2B	2.79	1.49	1.43
14	b	810	CLA	C1B-C2B	2.79	1.49	1.43
14	H	828	CLA	C1B-NB	-2.79	1.34	1.37
14	B	840	CLA	C4D-CHA	2.79	1.48	1.38
14	H	842	CLA	C1B-C2B	2.79	1.49	1.43
14	G	811	CLA	MG-ND	-2.79	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	834	CLA	C3D-C2D	2.79	1.46	1.39
14	a	806	CLA	C1B-C2B	2.79	1.49	1.43
14	B	809	CLA	MG-NC	2.79	2.12	2.06
14	G	805	CLA	C1C-NC	-2.79	1.33	1.37
14	b	814	CLA	C1C-NC	-2.79	1.33	1.37
14	B	820	CLA	MG-ND	-2.79	2.00	2.05
14	B	817	CLA	C1C-NC	-2.79	1.33	1.37
14	B	817	CLA	C1D-ND	-2.79	1.34	1.37
14	B	836	CLA	C1B-NB	-2.79	1.34	1.37
14	b	818	CLA	C1D-ND	-2.79	1.34	1.37
14	G	830	CLA	C3D-C2D	2.79	1.46	1.39
14	G	819	CLA	C1B-NB	-2.79	1.34	1.37
14	b	818	CLA	C1B-NB	-2.79	1.34	1.37
14	G	822	CLA	C1B-NB	-2.79	1.34	1.37
14	a	824	CLA	C3D-C2D	2.79	1.46	1.39
14	G	823	CLA	C1B-NB	-2.79	1.34	1.37
14	B	831	CLA	C4D-CHA	2.79	1.48	1.38
14	a	839	CLA	MG-ND	-2.79	2.00	2.05
14	H	817	CLA	C1C-NC	-2.79	1.33	1.37
14	a	829	CLA	MG-NC	2.79	2.12	2.06
14	B	804	CLA	C1D-ND	-2.79	1.34	1.37
14	H	809	CLA	MG-NC	2.79	2.12	2.06
14	l	203	CLA	MG-ND	-2.79	2.00	2.05
14	B	805	CLA	C1B-C2B	2.79	1.49	1.43
14	H	827	CLA	C4D-CHA	2.79	1.47	1.38
14	A	819	CLA	C1B-NB	-2.79	1.34	1.37
14	G	802	CLA	C1B-NB	-2.79	1.34	1.37
14	H	837	CLA	C1B-NB	-2.79	1.34	1.37
14	B	825	CLA	MG-NC	2.79	2.12	2.06
14	H	834	CLA	MG-NC	2.79	2.12	2.06
14	A	811	CLA	C1B-NB	-2.78	1.34	1.37
14	L	205	CLA	C1B-NB	-2.78	1.34	1.37
14	H	801	CLA	C4D-CHA	2.78	1.47	1.38
14	H	817	CLA	MG-ND	-2.78	2.00	2.05
14	H	836	CLA	MG-ND	-2.78	2.00	2.05
14	b	815	CLA	MG-ND	-2.78	2.00	2.05
14	b	837	CLA	MG-ND	-2.78	2.00	2.05
14	M	1601	CLA	C1B-C2B	2.78	1.49	1.43
14	b	806	CLA	C3D-C2D	2.78	1.46	1.39
14	a	814	CLA	MG-ND	-2.78	2.00	2.05
14	a	806	CLA	C4D-CHA	2.78	1.47	1.38
16	b	845	BCR	C34-C9	2.78	1.56	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	804	CLA	MG-ND	-2.78	2.00	2.05
14	a	836	CLA	C1B-C2B	2.78	1.49	1.43
14	b	811	CLA	MG-ND	-2.78	2.00	2.05
14	a	832	CLA	C1C-NC	-2.78	1.33	1.37
14	b	835	CLA	MG-ND	-2.78	2.00	2.05
14	H	825	CLA	C4D-CHA	2.78	1.47	1.38
14	G	812	CLA	MG-NC	2.78	2.12	2.06
14	A	820	CLA	C1B-NB	-2.78	1.34	1.37
14	G	822	CLA	C1B-C2B	2.78	1.49	1.43
14	A	808	CLA	MG-ND	-2.78	2.00	2.05
14	B	818	CLA	C1D-ND	-2.78	1.34	1.37
14	b	822	CLA	C1B-C2B	2.78	1.49	1.43
14	B	825	CLA	C1B-C2B	2.78	1.49	1.43
14	a	816	CLA	C1B-C2B	2.78	1.49	1.43
14	T	101	CLA	C1B-C2B	2.78	1.49	1.43
14	A	802	CLA	C1B-NB	-2.78	1.34	1.37
14	b	834	CLA	MG-ND	-2.78	2.00	2.05
14	A	841	CLA	MG-ND	-2.78	2.00	2.05
14	a	830	CLA	C1B-NB	-2.78	1.34	1.37
14	A	806	CLA	C3D-C2D	2.78	1.46	1.39
14	G	807	CLA	MG-ND	-2.78	2.00	2.05
14	B	839	CLA	MG-ND	-2.78	2.00	2.05
13	A	801	CL0	C4D-CHA	2.78	1.47	1.38
14	a	802	CLA	C1B-NB	-2.78	1.34	1.37
14	k	101	CLA	C1B-C2B	2.78	1.49	1.43
14	G	839	CLA	C1B-NB	-2.78	1.34	1.37
14	Q	202	CLA	C1B-NB	-2.78	1.34	1.37
14	b	834	CLA	C1D-ND	-2.77	1.34	1.37
14	b	835	CLA	C1D-ND	-2.77	1.34	1.37
14	G	810	CLA	MG-ND	-2.77	2.00	2.05
14	l	204	CLA	MG-NC	2.77	2.12	2.06
14	A	810	CLA	C3D-C2D	2.77	1.46	1.39
14	a	811	CLA	MG-ND	-2.77	2.00	2.05
14	A	809	CLA	MG-ND	-2.77	2.00	2.05
14	a	830	CLA	C3D-C2D	2.77	1.46	1.39
14	G	820	CLA	C1B-NB	-2.77	1.34	1.37
14	H	810	CLA	MG-ND	-2.77	2.00	2.05
14	A	804	CLA	C4D-CHA	2.77	1.47	1.38
14	l	204	CLA	C4D-CHA	2.77	1.47	1.38
14	a	802	CLA	C1B-C2B	2.77	1.49	1.43
14	G	804	CLA	MG-ND	-2.77	2.00	2.05
14	B	814	CLA	MG-ND	-2.77	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	816	CLA	C1B-NB	-2.77	1.34	1.37
14	a	840	CLA	C1B-NB	-2.77	1.34	1.37
14	H	801	CLA	C4B-NB	-2.77	1.34	1.37
14	H	804	CLA	MG-ND	-2.77	2.00	2.05
14	A	820	CLA	C4D-CHA	2.77	1.47	1.38
14	a	812	CLA	C4D-CHA	2.77	1.47	1.38
14	b	807	CLA	MG-ND	-2.77	2.00	2.05
14	B	837	CLA	MG-ND	-2.77	2.00	2.05
14	Q	201	CLA	MG-ND	-2.77	2.00	2.05
14	A	832	CLA	MG-NC	2.77	2.12	2.06
14	a	805	CLA	C1B-NB	-2.77	1.34	1.37
14	b	815	CLA	C1B-NB	-2.77	1.34	1.37
14	A	852	CLA	MG-NC	2.77	2.12	2.06
14	G	820	CLA	MG-ND	-2.77	2.00	2.05
14	b	834	CLA	C1B-NB	-2.77	1.34	1.37
14	a	834	CLA	MG-ND	-2.77	2.00	2.05
14	H	839	CLA	MG-ND	-2.77	2.00	2.05
14	G	829	CLA	MG-NC	2.77	2.12	2.06
14	b	822	CLA	C4D-CHA	2.77	1.47	1.38
14	L	204	CLA	C3B-C4B	2.76	1.50	1.42
14	G	814	CLA	C1B-C2B	2.76	1.49	1.43
14	A	832	CLA	C1C-NC	-2.76	1.33	1.37
14	H	807	CLA	C3D-C2D	2.76	1.46	1.39
14	H	803	CLA	C1B-NB	-2.76	1.34	1.37
14	a	803	CLA	C1B-NB	-2.76	1.34	1.37
14	b	818	CLA	C1B-C2B	2.76	1.49	1.43
14	b	821	CLA	MG-ND	-2.76	2.00	2.05
14	A	841	CLA	C1B-C2B	2.76	1.49	1.43
14	G	802	CLA	MG-ND	-2.76	2.00	2.05
14	H	819	CLA	C1D-ND	-2.76	1.34	1.37
14	b	838	CLA	C1B-NB	-2.76	1.34	1.37
14	J	1303	CLA	C1D-ND	-2.76	1.34	1.37
14	H	839	CLA	C4D-CHA	2.76	1.47	1.38
14	A	806	CLA	MG-ND	-2.76	2.00	2.05
14	H	822	CLA	C1B-NB	-2.76	1.34	1.37
14	b	840	CLA	C1B-NB	-2.76	1.34	1.37
13	a	801	CL0	C1B-C2B	2.76	1.49	1.43
14	U	206	CLA	C4D-CHA	2.76	1.47	1.38
14	B	819	CLA	C1D-ND	-2.76	1.34	1.37
14	G	812	CLA	C3D-C2D	2.76	1.46	1.39
14	G	809	CLA	MG-ND	-2.76	2.00	2.05
14	H	819	CLA	MG-ND	-2.76	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	101	CLA	MG-ND	-2.76	2.00	2.05
14	B	825	CLA	C1B-NB	-2.76	1.34	1.37
14	G	832	CLA	MG-NC	2.76	2.12	2.06
14	b	813	CLA	MG-NC	2.76	2.12	2.06
14	H	808	CLA	MG-NC	2.76	2.12	2.06
14	A	838	CLA	MG-ND	-2.75	2.00	2.05
14	G	834	CLA	MG-ND	-2.75	2.00	2.05
14	H	837	CLA	C1D-ND	-2.75	1.34	1.37
14	A	802	CLA	C1B-C2B	2.75	1.49	1.43
14	H	842	CLA	C1B-NB	-2.75	1.34	1.37
14	G	806	CLA	C4D-CHA	2.75	1.47	1.38
14	B	824	CLA	MG-ND	-2.75	2.00	2.05
14	B	839	CLA	C1B-C2B	2.75	1.49	1.43
14	A	820	CLA	MG-ND	-2.75	2.00	2.05
14	A	802	CLA	MG-ND	-2.75	2.00	2.05
14	a	807	CLA	C1B-NB	-2.75	1.34	1.37
14	a	822	CLA	C1B-C2B	2.75	1.49	1.43
14	J	1302	CLA	C1D-ND	-2.75	1.34	1.37
14	B	822	CLA	C1B-C2B	2.75	1.49	1.43
14	a	810	CLA	C3D-C2D	2.75	1.46	1.39
14	a	813	CLA	C1B-NB	-2.75	1.34	1.37
14	b	820	CLA	C1B-C2B	2.75	1.49	1.43
14	a	811	CLA	C1B-NB	-2.75	1.34	1.37
14	H	823	CLA	C1B-C2B	2.75	1.49	1.43
14	A	826	CLA	C1D-ND	-2.75	1.34	1.37
14	G	818	CLA	C1B-C2B	2.75	1.49	1.43
14	a	814	CLA	C1B-C2B	2.75	1.49	1.43
14	A	821	CLA	C1B-C2B	2.75	1.49	1.43
14	a	806	CLA	MG-ND	-2.75	2.00	2.05
14	A	814	CLA	C1B-C2B	2.75	1.49	1.43
14	a	826	CLA	MG-ND	-2.75	2.00	2.05
14	k	102	CLA	MG-ND	-2.75	2.00	2.05
14	A	822	CLA	C1B-NB	-2.75	1.34	1.37
14	B	817	CLA	C1B-NB	-2.75	1.34	1.37
14	B	828	CLA	C1D-ND	-2.75	1.34	1.37
14	H	816	CLA	C1B-C2B	2.75	1.49	1.43
14	B	835	CLA	MG-ND	-2.74	2.00	2.05
14	b	834	CLA	C1B-C2B	2.74	1.49	1.43
14	A	822	CLA	C1B-C2B	2.74	1.49	1.43
14	F	201	CLA	C3B-C4B	2.74	1.50	1.42
14	a	822	CLA	C1B-NB	-2.74	1.34	1.37
14	G	803	CLA	C3D-C2D	2.74	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	810	CLA	C1D-ND	-2.74	1.34	1.37
14	L	204	CLA	C1C-NC	-2.74	1.33	1.37
14	B	840	CLA	C1B-C2B	2.74	1.49	1.43
14	G	823	CLA	C1C-NC	-2.74	1.33	1.37
14	B	828	CLA	MG-ND	-2.74	2.00	2.05
14	a	821	CLA	C1B-C2B	2.74	1.49	1.43
14	J	1303	CLA	MG-ND	-2.74	2.00	2.05
14	H	821	CLA	C1B-NB	-2.74	1.34	1.37
14	H	822	CLA	C1B-C2B	2.74	1.49	1.43
14	B	841	CLA	C1B-NB	-2.74	1.34	1.37
14	B	829	CLA	C1C-NC	-2.74	1.33	1.37
14	a	807	CLA	C1B-C2B	2.74	1.49	1.43
14	B	837	CLA	C1B-NB	-2.74	1.34	1.37
14	S	102	CLA	MG-ND	-2.74	2.00	2.05
14	T	102	CLA	MG-ND	-2.74	2.00	2.05
14	A	812	CLA	C3D-C2D	2.74	1.46	1.39
14	l	203	CLA	C3B-C4B	2.73	1.50	1.42
14	a	829	CLA	MG-ND	-2.73	2.00	2.05
14	G	821	CLA	C1B-C2B	2.73	1.49	1.43
14	H	821	CLA	MG-NC	2.73	2.12	2.06
14	H	837	CLA	C1B-C2B	2.73	1.49	1.43
14	a	826	CLA	C1D-ND	-2.73	1.34	1.37
14	b	822	CLA	C4B-NB	-2.73	1.34	1.37
14	a	812	CLA	C1D-C2D	2.73	1.50	1.45
14	A	804	CLA	C1B-C2B	2.73	1.49	1.43
14	b	803	CLA	C1B-NB	-2.73	1.34	1.37
14	G	807	CLA	C1B-C2B	2.73	1.49	1.43
14	H	825	CLA	C4B-NB	-2.73	1.34	1.37
14	A	812	CLA	C4D-CHA	2.73	1.47	1.38
14	J	1302	CLA	C1B-C2B	2.73	1.49	1.43
14	H	841	CLA	C1B-NB	-2.73	1.34	1.37
14	H	836	CLA	C1B-C2B	2.73	1.49	1.43
14	b	813	CLA	C1B-C2B	2.73	1.49	1.43
14	a	809	CLA	MG-ND	-2.73	2.00	2.05
14	B	807	CLA	MG-ND	-2.73	2.00	2.05
14	a	823	CLA	C1B-NB	-2.73	1.34	1.37
14	H	838	CLA	C1B-C2B	2.73	1.49	1.43
14	B	811	CLA	C4D-CHA	2.73	1.47	1.38
14	B	810	CLA	MG-ND	-2.73	2.00	2.05
14	A	805	CLA	C1B-NB	-2.73	1.34	1.37
14	B	822	CLA	C1B-NB	-2.73	1.34	1.37
14	b	808	CLA	C4D-CHA	2.73	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	840	CLA	C1B-C2B	2.73	1.49	1.43
14	b	835	CLA	C1B-C2B	2.73	1.49	1.43
14	b	805	CLA	C1B-C2B	2.72	1.49	1.43
14	H	828	CLA	MG-ND	-2.72	2.00	2.05
14	G	802	CLA	C1B-C2B	2.72	1.49	1.43
14	b	812	CLA	C4C-C3C	2.72	1.49	1.45
14	A	813	CLA	C1B-NB	-2.72	1.34	1.37
14	B	836	CLA	C1B-C2B	2.72	1.49	1.43
14	B	808	CLA	MG-NC	2.72	2.12	2.06
14	b	810	CLA	MG-ND	-2.72	2.00	2.05
14	H	823	CLA	C1D-ND	-2.72	1.34	1.37
14	H	811	CLA	C4D-CHA	2.72	1.47	1.38
14	A	816	CLA	MG-ND	-2.72	2.00	2.05
14	A	809	CLA	C1B-NB	-2.72	1.34	1.37
14	a	824	CLA	C1B-NB	-2.72	1.34	1.37
14	H	805	CLA	C1B-C2B	2.72	1.49	1.43
14	b	809	CLA	C1C-NC	-2.72	1.33	1.37
14	G	816	CLA	MG-ND	-2.72	2.00	2.05
14	b	828	CLA	MG-NC	2.72	2.12	2.06
14	G	838	CLA	C3B-C4B	2.72	1.50	1.42
14	G	815	CLA	C1D-C2D	2.72	1.50	1.45
14	K	1401	CLA	MG-ND	-2.71	2.00	2.05
14	b	819	CLA	C1B-C2B	2.71	1.49	1.43
14	H	821	CLA	MG-ND	-2.71	2.00	2.05
14	B	837	CLA	C1B-C2B	2.71	1.49	1.43
14	A	852	CLA	C3C-C2C	2.71	1.42	1.36
14	G	811	CLA	C1B-C2B	2.71	1.49	1.43
14	G	829	CLA	C3B-C4B	2.71	1.50	1.42
14	V	1601	CLA	C3D-C2D	2.71	1.46	1.39
14	b	820	CLA	C1D-ND	-2.71	1.34	1.37
14	A	826	CLA	MG-ND	-2.71	2.00	2.05
14	j	1303	CLA	MG-ND	-2.71	2.00	2.05
14	G	810	CLA	C3D-C2D	2.71	1.46	1.39
14	b	824	CLA	C4B-NB	-2.71	1.34	1.37
14	H	835	CLA	MG-ND	-2.71	2.00	2.05
14	x	1701	CLA	C1B-C2B	2.71	1.49	1.43
14	b	808	CLA	C1B-NB	-2.71	1.34	1.37
14	b	835	CLA	C1B-NB	-2.71	1.34	1.37
14	H	811	CLA	C1C-NC	-2.71	1.33	1.37
14	b	808	CLA	MG-NC	2.71	2.12	2.06
14	j	1302	CLA	C1D-ND	-2.71	1.34	1.37
14	A	829	CLA	MG-ND	-2.71	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	816	CLA	C1B-NB	-2.71	1.34	1.37
14	Q	201	CLA	C3B-C4B	2.71	1.50	1.42
14	B	818	CLA	C1B-NB	-2.71	1.34	1.37
14	H	807	CLA	MG-ND	-2.71	2.00	2.05
14	B	830	CLA	C3D-C2D	2.71	1.46	1.39
14	G	838	CLA	MG-ND	-2.71	2.00	2.05
14	H	813	CLA	C1B-NB	-2.71	1.34	1.37
14	A	826	CLA	C3D-C2D	2.71	1.46	1.39
14	A	806	CLA	C4D-CHA	2.71	1.47	1.38
14	b	829	CLA	C3D-C2D	2.70	1.46	1.39
14	j	1302	CLA	MG-ND	-2.70	2.00	2.05
14	B	831	CLA	C1C-NC	-2.70	1.33	1.37
14	H	801	CLA	MG-NC	2.70	2.12	2.06
14	a	829	CLA	C3B-C4B	2.70	1.50	1.42
14	G	816	CLA	C1B-NB	-2.70	1.34	1.37
14	B	803	CLA	C1B-NB	-2.70	1.34	1.37
14	A	823	CLA	C1C-NC	-2.70	1.33	1.37
14	G	819	CLA	C1B-C2B	2.70	1.49	1.43
14	a	815	CLA	C1B-C2B	2.70	1.49	1.43
14	W	1701	CLA	C1B-NB	-2.70	1.34	1.37
14	B	806	CLA	MG-NC	2.70	2.12	2.06
14	B	805	CLA	C1C-NC	-2.70	1.33	1.37
14	M	1601	CLA	C3D-C2D	2.70	1.46	1.39
14	b	838	CLA	C1B-C2B	2.70	1.49	1.43
14	a	812	CLA	MG-ND	-2.70	2.00	2.05
14	B	820	CLA	C1B-C2B	2.70	1.49	1.43
14	H	821	CLA	C1B-C2B	2.70	1.49	1.43
14	H	818	CLA	C1B-NB	-2.70	1.34	1.37
14	m	1202	CLA	C3D-C2D	2.70	1.46	1.39
14	L	206	CLA	C1B-C2B	2.70	1.49	1.43
14	A	832	CLA	C1B-C2B	2.70	1.49	1.43
14	X	1701	CLA	C1B-C2B	2.70	1.49	1.43
14	G	813	CLA	C1B-NB	-2.70	1.34	1.37
14	H	811	CLA	C1B-NB	-2.70	1.34	1.37
14	b	814	CLA	C1B-NB	-2.70	1.34	1.37
14	S	101	CLA	C1D-ND	-2.70	1.34	1.37
14	L	205	CLA	C4D-CHA	2.70	1.47	1.38
14	a	832	CLA	C1B-C2B	2.70	1.49	1.43
14	b	836	CLA	C1B-C2B	2.70	1.49	1.43
14	b	801	CLA	OBD-CAD	2.70	1.27	1.22
14	B	830	CLA	C1C-NC	-2.69	1.33	1.37
14	G	808	CLA	C1B-C2B	2.69	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	828	CLA	C1B-C2B	2.69	1.49	1.43
14	G	809	CLA	C1B-NB	-2.69	1.34	1.37
14	k	102	CLA	C1B-NB	-2.69	1.34	1.37
14	G	813	CLA	MG-ND	-2.69	2.00	2.05
14	U	201	CLA	C1B-C2B	2.69	1.49	1.43
14	A	830	CLA	C3D-C2D	2.69	1.46	1.39
14	A	815	CLA	C1B-C2B	2.69	1.49	1.43
14	G	811	CLA	C1B-NB	-2.69	1.34	1.37
14	H	831	CLA	C3D-C2D	2.69	1.46	1.39
14	U	205	CLA	MG-ND	-2.69	2.00	2.05
14	b	813	CLA	C1D-ND	-2.69	1.34	1.37
14	G	804	CLA	C1B-C2B	2.69	1.49	1.43
14	X	1701	CLA	C1B-NB	-2.69	1.34	1.37
14	a	808	CLA	C1B-C2B	2.69	1.49	1.43
14	H	840	CLA	C4B-NB	-2.69	1.34	1.37
14	G	810	CLA	C1B-C2B	2.69	1.49	1.43
14	B	831	CLA	MG-NC	2.69	2.12	2.06
14	H	821	CLA	C1D-ND	-2.69	1.34	1.37
14	A	839	CLA	C3D-C2D	2.69	1.46	1.39
14	A	807	CLA	C1B-C2B	2.68	1.49	1.43
14	a	812	CLA	C3D-C2D	2.68	1.46	1.39
14	b	806	CLA	C1B-C2B	2.68	1.49	1.43
14	T	102	CLA	C1B-NB	-2.68	1.34	1.37
14	l	203	CLA	C1C-NC	-2.68	1.33	1.37
14	A	819	CLA	C1B-C2B	2.68	1.49	1.43
14	T	101	CLA	MG-ND	-2.68	2.00	2.05
14	B	830	CLA	C4B-NB	-2.68	1.34	1.37
14	x	1701	CLA	C1B-NB	-2.68	1.34	1.37
14	A	828	CLA	C1B-C2B	2.68	1.49	1.43
14	Q	202	CLA	C1B-C2B	2.68	1.49	1.43
14	a	830	CLA	C1B-C2B	2.68	1.49	1.43
14	B	838	CLA	C1B-C2B	2.68	1.49	1.43
14	T	102	CLA	C1D-ND	-2.68	1.34	1.37
14	m	1201	CLA	MG-ND	-2.68	2.00	2.05
14	G	836	CLA	C1B-C2B	2.68	1.49	1.43
14	k	102	CLA	C1B-C2B	2.68	1.49	1.43
14	A	814	CLA	C1B-NB	-2.68	1.34	1.37
14	b	827	CLA	C3D-C2D	2.67	1.46	1.39
14	H	820	CLA	C1B-C2B	2.67	1.49	1.43
14	k	102	CLA	C1D-ND	-2.67	1.34	1.37
14	G	806	CLA	MG-ND	-2.67	2.00	2.05
14	a	819	CLA	C1B-C2B	2.67	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	809	CLA	MG-ND	-2.67	2.00	2.05
14	A	811	CLA	C1B-C2B	2.67	1.49	1.43
14	B	826	CLA	C4B-NB	-2.67	1.34	1.37
14	T	102	CLA	C1B-C2B	2.67	1.49	1.43
14	U	207	CLA	C1B-C2B	2.67	1.49	1.43
14	a	826	CLA	C1C-NC	-2.67	1.33	1.37
14	a	818	CLA	C1B-C2B	2.67	1.49	1.43
14	K	1401	CLA	C1B-C2B	2.67	1.49	1.43
14	b	837	CLA	C4B-NB	-2.67	1.34	1.37
14	G	825	CLA	C1C-NC	-2.67	1.33	1.37
14	a	811	CLA	C1B-C2B	2.67	1.49	1.43
14	B	829	CLA	C1B-C2B	2.67	1.49	1.43
14	B	812	CLA	C1C-NC	-2.67	1.33	1.37
14	A	808	CLA	C1B-C2B	2.67	1.49	1.43
14	G	804	CLA	C1C-NC	-2.67	1.33	1.37
14	B	825	CLA	C4D-CHA	2.67	1.47	1.38
14	B	825	CLA	C4B-NB	-2.67	1.34	1.37
14	b	837	CLA	C1B-C2B	2.67	1.49	1.43
14	A	841	CLA	C1B-NB	-2.67	1.34	1.37
14	B	827	CLA	C4B-NB	-2.67	1.34	1.37
14	H	825	CLA	C1C-NC	-2.66	1.33	1.37
14	H	817	CLA	C1B-NB	-2.66	1.34	1.37
14	b	828	CLA	C1C-NC	-2.66	1.33	1.37
14	A	823	CLA	MG-ND	-2.66	2.00	2.05
14	G	814	CLA	C1C-NC	-2.66	1.33	1.37
14	B	815	CLA	C1B-C2B	2.66	1.49	1.43
14	b	818	CLA	MG-ND	-2.66	2.00	2.05
14	G	819	CLA	C3D-C2D	2.66	1.46	1.39
14	B	823	CLA	C1B-NB	-2.66	1.34	1.37
14	B	837	CLA	C1D-ND	-2.66	1.34	1.37
14	H	814	CLA	MG-ND	-2.66	2.00	2.05
14	k	101	CLA	MG-ND	-2.66	2.00	2.05
14	B	808	CLA	C1B-C2B	2.66	1.49	1.43
14	B	821	CLA	C1D-ND	-2.66	1.34	1.37
14	m	1202	CLA	C1B-NB	-2.66	1.34	1.37
14	H	839	CLA	C1B-C2B	2.66	1.49	1.43
14	k	101	CLA	C1B-NB	-2.66	1.34	1.37
14	B	821	CLA	MG-ND	-2.66	2.00	2.05
14	B	805	CLA	C4D-CHA	2.66	1.47	1.38
14	A	804	CLA	MG-ND	-2.66	2.00	2.05
14	G	826	CLA	MG-ND	-2.66	2.00	2.05
14	J	1302	CLA	MG-ND	-2.66	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	829	CLA	C3B-C4B	2.66	1.50	1.42
14	A	804	CLA	C1C-NC	-2.66	1.33	1.37
14	A	812	CLA	MG-ND	-2.66	2.00	2.05
14	a	834	CLA	C1B-C2B	2.66	1.49	1.43
14	G	834	CLA	C1B-C2B	2.66	1.49	1.43
14	K	1401	CLA	C1D-ND	-2.66	1.34	1.37
14	B	809	CLA	C1B-C2B	2.65	1.49	1.43
14	H	835	CLA	C1B-C2B	2.65	1.49	1.43
14	H	815	CLA	C4C-C3C	2.65	1.49	1.45
14	G	823	CLA	MG-ND	-2.65	2.00	2.05
14	F	201	CLA	C1C-NC	-2.65	1.33	1.37
14	A	834	CLA	MG-ND	-2.65	2.00	2.05
14	B	821	CLA	C1B-C2B	2.65	1.49	1.43
14	H	813	CLA	MG-ND	-2.65	2.00	2.05
14	H	824	CLA	MG-ND	-2.65	2.00	2.05
14	G	838	CLA	C1C-NC	-2.65	1.33	1.37
14	H	807	CLA	MG-NC	2.65	2.12	2.06
14	B	811	CLA	C1C-NC	-2.65	1.33	1.37
14	Q	201	CLA	C1D-ND	-2.65	1.34	1.37
14	M	1601	CLA	C1B-NB	-2.65	1.34	1.37
14	G	815	CLA	C1B-C2B	2.65	1.49	1.43
14	H	808	CLA	C1B-C2B	2.65	1.49	1.43
14	R	101	CLA	C1B-C2B	2.64	1.49	1.43
14	a	809	CLA	C1B-NB	-2.64	1.34	1.37
14	H	804	CLA	C4B-NB	-2.64	1.34	1.37
14	a	824	CLA	C1B-C2B	2.64	1.49	1.43
14	B	840	CLA	C1B-NB	-2.64	1.34	1.37
14	B	825	CLA	C1C-NC	-2.64	1.33	1.37
14	H	828	CLA	C1C-NC	-2.64	1.33	1.37
14	A	839	CLA	C1B-C2B	2.64	1.49	1.43
14	a	829	CLA	C1C-NC	-2.64	1.33	1.37
14	H	806	CLA	C1C-NC	-2.64	1.33	1.37
14	B	840	CLA	C4B-NB	-2.64	1.34	1.37
14	A	834	CLA	C1B-C2B	2.64	1.49	1.43
14	W	1701	CLA	C1B-C2B	2.64	1.49	1.43
14	a	840	CLA	C1C-NC	-2.64	1.33	1.37
14	b	826	CLA	C1C-NC	-2.64	1.33	1.37
14	T	101	CLA	C1B-NB	-2.64	1.34	1.37
14	G	809	CLA	C1C-NC	-2.64	1.33	1.37
14	a	816	CLA	MG-ND	-2.64	2.00	2.05
14	b	817	CLA	C1B-C2B	2.64	1.49	1.43
14	b	833	CLA	C1B-C2B	2.64	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	811	CLA	MG-NC	2.64	2.12	2.06
14	H	827	CLA	C3D-C2D	2.64	1.46	1.39
14	G	804	CLA	MG-NC	2.64	2.12	2.06
14	b	806	CLA	MG-ND	-2.64	2.00	2.05
14	G	839	CLA	C1C-NC	-2.64	1.33	1.37
13	A	801	CL0	C4B-NB	-2.64	1.34	1.37
14	a	839	CLA	C1C-NC	-2.64	1.33	1.37
14	H	830	CLA	C3D-C2D	2.63	1.46	1.39
14	A	829	CLA	C1C-NC	-2.63	1.33	1.37
14	H	841	CLA	C1B-C2B	2.63	1.49	1.43
14	a	818	CLA	C4B-NB	-2.63	1.34	1.37
14	G	835	CLA	C1B-C2B	2.63	1.49	1.43
14	a	806	CLA	C1B-NB	-2.63	1.34	1.37
14	b	827	CLA	C4B-NB	-2.63	1.34	1.37
14	a	812	CLA	MG-NC	2.63	2.12	2.06
14	H	830	CLA	C4B-NB	-2.63	1.34	1.37
14	R	101	CLA	C4B-NB	-2.63	1.34	1.37
14	B	830	CLA	C1B-C2B	2.63	1.49	1.43
14	A	839	CLA	C1C-NC	-2.63	1.33	1.37
14	G	826	CLA	C1D-ND	-2.63	1.34	1.37
14	A	818	CLA	C4B-NB	-2.63	1.34	1.37
14	B	809	CLA	C1C-NC	-2.63	1.33	1.37
14	H	827	CLA	C4B-NB	-2.63	1.34	1.37
14	A	836	CLA	C1B-C2B	2.63	1.49	1.43
14	b	827	CLA	C1C-NC	-2.63	1.33	1.37
14	A	838	CLA	C1C-NC	-2.63	1.33	1.37
14	H	818	CLA	C4B-NB	-2.63	1.34	1.37
14	b	803	CLA	C1B-C2B	2.63	1.49	1.43
14	U	205	CLA	C1C-NC	-2.63	1.33	1.37
14	G	837	CLA	C4B-NB	-2.63	1.34	1.37
14	K	1401	CLA	C1B-NB	-2.63	1.34	1.37
14	a	837	CLA	C4B-NB	-2.62	1.34	1.37
14	b	818	CLA	MG-NC	2.62	2.12	2.06
14	L	204	CLA	MG-ND	-2.62	2.00	2.05
14	a	814	CLA	C1B-NB	-2.62	1.34	1.37
14	G	832	CLA	C1B-C2B	2.62	1.49	1.43
14	b	807	CLA	C1B-NB	-2.62	1.34	1.37
14	V	1601	CLA	C1B-NB	-2.62	1.34	1.37
14	B	813	CLA	MG-ND	-2.62	2.00	2.05
14	b	822	CLA	C1C-NC	-2.62	1.33	1.37
14	Q	201	CLA	C4C-C3C	2.62	1.49	1.45
14	B	810	CLA	C1C-NC	-2.62	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	201	CLA	C4B-NB	-2.62	1.34	1.37
14	A	840	CLA	C1C-NC	-2.62	1.33	1.37
14	H	806	CLA	C3D-C2D	2.62	1.46	1.39
14	G	839	CLA	C1B-C2B	2.61	1.49	1.43
13	A	801	CL0	C1C-NC	-2.61	1.33	1.37
14	A	835	CLA	C1B-C2B	2.61	1.49	1.43
14	A	838	CLA	C3B-C4B	2.61	1.50	1.42
14	A	809	CLA	C1C-NC	-2.61	1.33	1.37
14	G	814	CLA	C1B-NB	-2.61	1.34	1.37
14	a	809	CLA	C1C-NC	-2.61	1.33	1.37
14	B	805	CLA	C4B-NB	-2.61	1.34	1.37
14	G	816	CLA	C1B-C2B	2.61	1.49	1.43
14	H	833	CLA	C1B-C2B	2.61	1.49	1.43
14	b	831	CLA	C1C-NC	-2.61	1.33	1.37
14	b	802	CLA	C4B-NB	-2.61	1.34	1.37
14	G	828	CLA	C1B-C2B	2.61	1.49	1.43
14	B	841	CLA	C1B-C2B	2.61	1.49	1.43
14	B	835	CLA	C1B-C2B	2.61	1.49	1.43
14	b	832	CLA	C1B-C2B	2.60	1.49	1.43
14	H	830	CLA	C1C-NC	-2.60	1.33	1.37
14	a	819	CLA	C3D-C2D	2.60	1.46	1.39
14	G	829	CLA	MG-ND	-2.60	2.00	2.05
14	B	838	CLA	C1C-NC	-2.60	1.33	1.37
14	B	802	CLA	C4B-NB	-2.60	1.34	1.37
14	B	813	CLA	C1B-NB	-2.60	1.34	1.37
14	B	834	CLA	C4B-NB	-2.60	1.34	1.37
14	b	831	CLA	C1D-ND	-2.60	1.34	1.37
14	H	831	CLA	C1C-NC	-2.60	1.33	1.37
14	A	812	CLA	C1B-C2B	2.60	1.49	1.43
14	B	826	CLA	OBD-CAD	2.60	1.27	1.22
14	G	818	CLA	C1C-NC	-2.60	1.33	1.37
14	A	835	CLA	C4B-NB	-2.60	1.34	1.37
14	b	838	CLA	C4B-NB	-2.60	1.34	1.37
14	B	839	CLA	C4B-NB	-2.60	1.34	1.37
14	H	828	CLA	C1D-ND	-2.60	1.34	1.37
14	A	833	CLA	C4B-NB	-2.59	1.34	1.37
14	a	813	CLA	C4B-NB	-2.59	1.34	1.37
14	l	205	CLA	C1B-C2B	2.59	1.49	1.43
14	H	826	CLA	C4B-NB	-2.59	1.34	1.37
14	L	205	CLA	C1B-C2B	2.59	1.49	1.43
14	A	804	CLA	MG-NC	2.59	2.12	2.06
14	G	840	CLA	C1C-NC	-2.59	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	815	CLA	C1B-NB	-2.59	1.34	1.37
14	A	804	CLA	C4B-NB	-2.59	1.34	1.37
14	B	816	CLA	C4B-NB	-2.59	1.34	1.37
14	S	102	CLA	C1B-NB	-2.59	1.34	1.37
14	G	841	CLA	C1C-NC	-2.59	1.33	1.37
14	b	808	CLA	C1C-NC	-2.59	1.33	1.37
14	A	818	CLA	C1B-C2B	2.59	1.49	1.43
14	B	803	CLA	C1B-C2B	2.59	1.49	1.43
14	L	201	CLA	C1B-C2B	2.59	1.49	1.43
14	H	805	CLA	C4B-NB	-2.59	1.34	1.37
14	H	830	CLA	C1B-C2B	2.59	1.49	1.43
14	b	832	CLA	C4B-NB	-2.59	1.34	1.37
13	G	801	CL0	C1C-NC	-2.59	1.33	1.37
14	B	803	CLA	C1C-NC	-2.58	1.33	1.37
14	j	1301	CLA	C1B-C2B	2.58	1.49	1.43
14	L	205	CLA	C1C-NC	-2.58	1.33	1.37
14	B	813	CLA	C1C-NC	-2.58	1.33	1.37
14	B	821	CLA	MG-NC	2.58	2.12	2.06
14	A	819	CLA	C3D-C2D	2.58	1.46	1.39
14	a	840	CLA	C1B-C2B	2.58	1.49	1.43
14	A	837	CLA	C4B-NB	-2.58	1.34	1.37
14	G	832	CLA	C4B-NB	-2.58	1.34	1.37
14	a	825	CLA	C4B-NB	-2.58	1.34	1.37
14	b	831	CLA	C3B-C4B	2.58	1.50	1.42
14	B	826	CLA	C1C-NC	-2.58	1.33	1.37
14	G	836	CLA	C4B-NB	-2.58	1.34	1.37
14	G	829	CLA	C1C-NC	-2.58	1.33	1.37
14	G	828	CLA	C4B-NB	-2.58	1.34	1.37
14	B	833	CLA	C1B-C2B	2.58	1.49	1.43
14	b	804	CLA	C1C-NC	-2.58	1.33	1.37
14	a	805	CLA	C1B-C2B	2.58	1.49	1.43
14	H	810	CLA	C1B-NB	-2.58	1.34	1.37
14	G	833	CLA	C1B-C2B	2.58	1.49	1.43
14	B	810	CLA	C4B-NB	-2.58	1.34	1.37
14	a	825	CLA	C1C-NC	-2.58	1.33	1.37
14	a	835	CLA	C1B-C2B	2.58	1.49	1.43
14	G	824	CLA	C1B-C2B	2.57	1.49	1.43
14	a	812	CLA	C1B-C2B	2.57	1.49	1.43
14	H	816	CLA	C1D-C2D	2.57	1.50	1.45
14	H	839	CLA	C4B-NB	-2.57	1.34	1.37
14	a	805	CLA	C1C-NC	-2.57	1.33	1.37
14	a	807	CLA	C4B-NB	-2.57	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	810	CLA	C1C-NC	-2.57	1.33	1.37
14	U	201	CLA	C4B-NB	-2.57	1.34	1.37
14	G	825	CLA	C4B-NB	-2.57	1.34	1.37
14	A	816	CLA	C1B-C2B	2.57	1.49	1.43
14	H	809	CLA	C1B-C2B	2.57	1.49	1.43
14	A	852	CLA	C1B-C2B	2.57	1.49	1.43
14	A	818	CLA	C1C-NC	-2.57	1.33	1.37
14	b	804	CLA	C4B-NB	-2.57	1.34	1.37
14	a	842	CLA	C1C-NC	-2.57	1.33	1.37
14	A	803	CLA	C1B-C2B	2.56	1.49	1.43
14	l	205	CLA	C4B-NB	-2.56	1.34	1.37
14	B	842	CLA	C1B-C2B	2.56	1.49	1.43
14	B	808	CLA	C1C-NC	-2.56	1.33	1.37
14	J	1301	CLA	C1C-NC	-2.56	1.33	1.37
14	S	101	CLA	C1B-C2B	2.56	1.49	1.43
14	H	805	CLA	C1C-NC	-2.56	1.33	1.37
14	b	825	CLA	C1D-ND	-2.56	1.34	1.37
14	H	842	CLA	C1C-NC	-2.56	1.33	1.37
13	G	801	CL0	C4B-NB	-2.56	1.34	1.37
14	A	806	CLA	C1B-NB	-2.56	1.34	1.37
14	a	832	CLA	C4B-NB	-2.56	1.34	1.37
14	G	825	CLA	C1B-C2B	2.56	1.49	1.43
14	G	812	CLA	C4B-NB	-2.56	1.34	1.37
14	b	810	CLA	C1B-NB	-2.56	1.34	1.37
14	B	811	CLA	C1B-NB	-2.56	1.34	1.37
14	G	851	CLA	MG-NC	2.56	2.12	2.06
14	B	834	CLA	C1B-C2B	2.56	1.49	1.43
14	H	806	CLA	C4B-NB	-2.56	1.34	1.37
14	b	820	CLA	C4B-NB	-2.56	1.34	1.37
14	a	835	CLA	C1C-NC	-2.56	1.33	1.37
14	G	851	CLA	C1B-C2B	2.56	1.49	1.43
14	a	804	CLA	C1B-C2B	2.56	1.49	1.43
14	G	805	CLA	C1B-C2B	2.56	1.49	1.43
14	H	803	CLA	C1B-C2B	2.56	1.49	1.43
14	a	803	CLA	C1B-C2B	2.55	1.49	1.43
14	b	824	CLA	C1B-C2B	2.55	1.49	1.43
14	B	804	CLA	C4B-NB	-2.55	1.34	1.37
14	H	813	CLA	C1C-NC	-2.55	1.33	1.37
14	A	825	CLA	C4B-NB	-2.55	1.34	1.37
14	H	819	CLA	C1B-NB	-2.55	1.34	1.37
14	H	834	CLA	C1B-C2B	2.55	1.49	1.43
14	b	818	CLA	C4B-NB	-2.55	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	841	CLA	C1C-NC	-2.55	1.33	1.37
14	A	836	CLA	C4B-NB	-2.55	1.34	1.37
14	l	204	CLA	C1B-C2B	2.55	1.49	1.43
14	j	1303	CLA	C1B-NB	-2.55	1.34	1.37
14	B	827	CLA	C1B-C2B	2.55	1.49	1.43
14	b	839	CLA	C1B-C2B	2.55	1.49	1.43
14	H	801	CLA	C1C-NC	-2.55	1.33	1.37
14	H	812	CLA	C1B-C2B	2.55	1.49	1.43
14	B	815	CLA	C1C-NC	-2.55	1.33	1.37
14	H	838	CLA	C1C-NC	-2.55	1.33	1.37
14	A	805	CLA	C1B-C2B	2.55	1.49	1.43
14	l	204	CLA	C1C-NC	-2.55	1.33	1.37
14	a	826	CLA	C3B-C4B	2.55	1.50	1.42
14	G	803	CLA	C1B-C2B	2.55	1.49	1.43
14	G	818	CLA	C4B-NB	-2.55	1.34	1.37
14	b	836	CLA	C1C-NC	-2.55	1.33	1.37
14	U	206	CLA	C1C-NC	-2.55	1.33	1.37
14	B	815	CLA	C4C-C3C	2.55	1.49	1.45
14	H	810	CLA	C4B-NB	-2.55	1.34	1.37
14	B	827	CLA	C1C-NC	-2.54	1.33	1.37
13	a	801	CL0	C1C-NC	-2.54	1.33	1.37
14	b	826	CLA	C1B-C2B	2.54	1.49	1.43
14	B	823	CLA	C4C-C3C	2.54	1.49	1.45
14	A	824	CLA	C1C-NC	-2.54	1.33	1.37
14	J	1303	CLA	C1B-NB	-2.54	1.34	1.37
14	b	830	CLA	C1B-C2B	2.54	1.49	1.43
14	G	806	CLA	C1B-NB	-2.54	1.34	1.37
14	H	826	CLA	C3B-C2B	2.54	1.49	1.41
14	H	810	CLA	C1C-NC	-2.54	1.33	1.37
14	b	807	CLA	C1C-NC	-2.54	1.33	1.37
14	a	831	CLA	C4B-NB	-2.54	1.34	1.37
14	a	838	CLA	C1B-C2B	2.54	1.49	1.43
14	b	812	CLA	C1B-C2B	2.54	1.49	1.43
14	A	822	CLA	C1C-NC	-2.54	1.33	1.37
14	G	812	CLA	C1B-C2B	2.54	1.49	1.43
14	G	813	CLA	C4B-NB	-2.53	1.34	1.37
14	H	807	CLA	C4B-NB	-2.53	1.34	1.37
14	b	825	CLA	C1C-NC	-2.53	1.33	1.37
14	j	1301	CLA	C1C-NC	-2.53	1.33	1.37
14	B	832	CLA	C3D-C2D	2.53	1.45	1.39
14	A	812	CLA	MG-NC	2.53	2.12	2.06
14	j	1302	CLA	C1B-C2B	2.53	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	814	CLA	C1B-C2B	2.53	1.49	1.43
14	A	807	CLA	C4B-NB	-2.53	1.34	1.37
14	b	813	CLA	C4B-NB	-2.53	1.34	1.37
14	b	840	CLA	C1C-NC	-2.53	1.33	1.37
14	H	804	CLA	C1B-C2B	2.53	1.49	1.43
14	A	825	CLA	C1C-NC	-2.53	1.33	1.37
14	A	813	CLA	C4B-NB	-2.53	1.34	1.37
14	G	826	CLA	C1C-NC	-2.53	1.33	1.37
14	H	815	CLA	C1C-NC	-2.53	1.33	1.37
14	G	831	CLA	C4B-NB	-2.53	1.34	1.37
14	B	804	CLA	C1B-C2B	2.53	1.49	1.43
14	A	832	CLA	C4B-NB	-2.53	1.34	1.37
14	G	831	CLA	C1B-C2B	2.53	1.49	1.43
14	m	1201	CLA	C1B-C2B	2.53	1.49	1.43
14	a	826	CLA	C1B-C2B	2.53	1.49	1.43
14	b	809	CLA	C1B-C2B	2.53	1.49	1.43
14	H	829	CLA	C1C-NC	-2.53	1.33	1.37
14	b	831	CLA	C4C-C3C	2.53	1.49	1.45
14	H	802	CLA	C4B-NB	-2.53	1.34	1.37
14	a	808	CLA	C4B-NB	-2.53	1.34	1.37
14	A	828	CLA	C1C-NC	-2.53	1.33	1.37
14	a	853	CLA	MG-NC	2.52	2.12	2.06
14	G	820	CLA	C1B-C2B	2.52	1.49	1.43
14	A	833	CLA	C1B-C2B	2.52	1.49	1.43
14	A	831	CLA	C1C-NC	-2.52	1.33	1.37
14	Q	201	CLA	C1B-NB	-2.52	1.34	1.37
14	G	826	CLA	C3B-C4B	2.52	1.50	1.42
14	a	820	CLA	C1B-C2B	2.52	1.49	1.43
14	b	830	CLA	C1C-NC	-2.52	1.33	1.37
14	G	837	CLA	C1C-NC	-2.52	1.33	1.37
14	a	828	CLA	C1C-NC	-2.52	1.33	1.37
13	a	801	CL0	C4B-NB	-2.52	1.34	1.37
14	A	808	CLA	C1C-NC	-2.52	1.33	1.37
14	a	823	CLA	C1C-NC	-2.52	1.33	1.37
14	a	833	CLA	C1B-C2B	2.52	1.49	1.43
14	H	820	CLA	C4B-NB	-2.52	1.34	1.37
14	H	823	CLA	C4B-NB	-2.52	1.34	1.37
14	a	837	CLA	C1C-NC	-2.52	1.33	1.37
14	H	834	CLA	C4B-NB	-2.52	1.34	1.37
14	G	808	CLA	C1C-NC	-2.52	1.33	1.37
14	B	810	CLA	C1B-NB	-2.52	1.34	1.37
14	B	828	CLA	C1C-NC	-2.52	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	842	CLA	C1C-NC	-2.52	1.33	1.37
14	U	206	CLA	C1B-C2B	2.51	1.49	1.43
14	a	831	CLA	C1B-C2B	2.51	1.49	1.43
14	A	826	CLA	C3B-C4B	2.51	1.50	1.42
14	A	810	CLA	C1B-C2B	2.51	1.49	1.43
14	H	814	CLA	C1B-C2B	2.51	1.49	1.43
14	B	812	CLA	C1B-C2B	2.51	1.49	1.43
14	A	817	CLA	C1C-NC	-2.51	1.33	1.37
14	H	808	CLA	C4B-NB	-2.51	1.34	1.37
14	a	815	CLA	C1B-NB	-2.51	1.34	1.37
14	J	1303	CLA	C1D-C2D	2.51	1.50	1.45
14	a	826	CLA	C3D-C2D	2.51	1.45	1.39
14	A	805	CLA	C1C-NC	-2.51	1.33	1.37
14	a	835	CLA	C4B-NB	-2.51	1.34	1.37
14	A	825	CLA	C1B-C2B	2.51	1.49	1.43
14	a	828	CLA	C4B-NB	-2.51	1.34	1.37
14	a	836	CLA	C1C-NC	-2.51	1.34	1.37
14	H	833	CLA	C1C-NC	-2.51	1.34	1.37
14	H	831	CLA	C4B-NB	-2.51	1.34	1.37
14	A	826	CLA	C1B-C2B	2.51	1.49	1.43
14	L	206	CLA	C4B-NB	-2.51	1.34	1.37
14	A	831	CLA	C4B-NB	-2.50	1.34	1.37
14	a	808	CLA	C1C-NC	-2.50	1.34	1.37
14	a	831	CLA	C1C-NC	-2.50	1.34	1.37
14	H	840	CLA	C1C-NC	-2.50	1.34	1.37
14	G	826	CLA	C1B-C2B	2.50	1.49	1.43
14	A	842	CLA	C1C-NC	-2.50	1.34	1.37
14	A	807	CLA	C1C-NC	-2.50	1.34	1.37
14	U	206	CLA	C4B-NB	-2.50	1.34	1.37
14	A	830	CLA	C1B-C2B	2.50	1.49	1.43
14	A	831	CLA	C1B-C2B	2.50	1.49	1.43
14	k	101	CLA	C1D-C2D	2.50	1.50	1.45
14	G	835	CLA	C1C-NC	-2.50	1.34	1.37
14	a	812	CLA	C1C-NC	-2.50	1.34	1.37
14	H	827	CLA	C1C-NC	-2.50	1.34	1.37
14	j	1303	CLA	C1D-C2D	2.50	1.50	1.45
14	a	838	CLA	C1C-NC	-2.49	1.34	1.37
14	B	833	CLA	C1C-NC	-2.49	1.34	1.37
14	a	825	CLA	C1B-C2B	2.49	1.49	1.43
14	B	824	CLA	C1B-C2B	2.49	1.49	1.43
14	b	814	CLA	C4B-NB	-2.49	1.34	1.37
14	b	833	CLA	C1C-NC	-2.49	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	820	CLA	C4C-C3C	2.49	1.49	1.45
14	a	818	CLA	C1C-NC	-2.49	1.34	1.37
14	b	828	CLA	C4B-NB	-2.49	1.34	1.37
14	B	819	CLA	C1C-NC	-2.49	1.34	1.37
14	b	817	CLA	C4B-NB	-2.49	1.34	1.37
14	B	820	CLA	C4B-NB	-2.49	1.34	1.37
14	G	835	CLA	C4B-NB	-2.49	1.34	1.37
14	B	831	CLA	C4B-NB	-2.49	1.34	1.37
14	H	811	CLA	C4B-NB	-2.49	1.34	1.37
14	B	821	CLA	C4C-C3C	2.49	1.49	1.45
14	G	807	CLA	C4B-NB	-2.49	1.34	1.37
14	B	807	CLA	C1B-C2B	2.49	1.49	1.43
14	b	823	CLA	C1B-C2B	2.49	1.49	1.43
14	a	802	CLA	C1C-NC	-2.49	1.34	1.37
14	A	817	CLA	C4B-NB	-2.48	1.34	1.37
14	a	804	CLA	C4B-NB	-2.48	1.34	1.37
14	b	808	CLA	C4B-NB	-2.48	1.34	1.37
14	F	201	CLA	C1D-ND	-2.48	1.34	1.37
14	a	838	CLA	C4B-NB	-2.48	1.34	1.37
14	G	812	CLA	C1C-NC	-2.48	1.34	1.37
14	a	833	CLA	C4B-NB	-2.48	1.34	1.37
14	a	836	CLA	C4B-NB	-2.48	1.34	1.37
14	A	835	CLA	C1C-NC	-2.48	1.34	1.37
14	H	804	CLA	C1C-NC	-2.48	1.34	1.37
14	B	829	CLA	C4C-C3C	2.48	1.49	1.45
14	H	835	CLA	C1C-NC	-2.48	1.34	1.37
14	H	841	CLA	C1C-NC	-2.48	1.34	1.37
14	B	831	CLA	C3D-C2D	2.48	1.45	1.39
14	H	832	CLA	C3D-C2D	2.48	1.45	1.39
14	A	814	CLA	C1C-NC	-2.48	1.34	1.37
14	L	206	CLA	C1C-NC	-2.48	1.34	1.37
14	l	204	CLA	C4B-NB	-2.48	1.34	1.37
14	A	828	CLA	C4B-NB	-2.48	1.34	1.37
14	A	836	CLA	C1C-NC	-2.48	1.34	1.37
14	H	831	CLA	C4C-C3C	2.48	1.49	1.45
14	G	833	CLA	C4B-NB	-2.48	1.34	1.37
14	B	832	CLA	C4B-NB	-2.47	1.34	1.37
14	B	804	CLA	C1C-NC	-2.47	1.34	1.37
14	A	815	CLA	C1D-C2D	2.47	1.50	1.45
14	H	839	CLA	C1C-NC	-2.47	1.34	1.37
14	B	819	CLA	C1B-NB	-2.47	1.34	1.37
14	G	824	CLA	C1C-NC	-2.47	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	803	CLA	C1C-NC	-2.47	1.34	1.37
14	A	808	CLA	C4B-NB	-2.47	1.34	1.37
14	G	813	CLA	C1B-C2B	2.47	1.48	1.43
14	A	833	CLA	C1C-NC	-2.47	1.34	1.37
14	A	837	CLA	C1C-NC	-2.47	1.34	1.37
14	a	824	CLA	C1C-NC	-2.47	1.34	1.37
14	B	821	CLA	C1D-C2D	2.47	1.50	1.45
14	a	821	CLA	C4B-NB	-2.47	1.34	1.37
14	H	812	CLA	C4B-NB	-2.47	1.34	1.37
14	G	808	CLA	C4B-NB	-2.47	1.34	1.37
14	b	811	CLA	C1B-C2B	2.47	1.48	1.43
14	B	828	CLA	C4B-NB	-2.47	1.34	1.37
14	A	841	CLA	C1D-C2D	2.46	1.50	1.45
14	J	1301	CLA	C1B-C2B	2.46	1.48	1.43
14	A	812	CLA	C1C-NC	-2.46	1.34	1.37
14	U	207	CLA	C1C-NC	-2.46	1.34	1.37
14	a	814	CLA	C4B-NB	-2.46	1.34	1.37
14	H	827	CLA	C1B-C2B	2.46	1.48	1.43
14	a	852	CLA	C4B-NB	-2.46	1.34	1.37
14	B	840	CLA	C1C-NC	-2.46	1.34	1.37
14	b	839	CLA	C1C-NC	-2.46	1.34	1.37
14	b	821	CLA	C3B-C4B	2.46	1.49	1.42
14	A	810	CLA	C1C-NC	-2.46	1.34	1.37
14	H	819	CLA	C1C-NC	-2.46	1.34	1.37
14	a	806	CLA	C1C-NC	-2.46	1.34	1.37
14	A	802	CLA	C1C-NC	-2.46	1.34	1.37
14	A	806	CLA	C1C-NC	-2.46	1.34	1.37
14	H	826	CLA	C1C-NC	-2.46	1.34	1.37
14	b	837	CLA	C1C-NC	-2.46	1.34	1.37
14	b	839	CLA	C3D-C2D	2.46	1.45	1.39
14	A	852	CLA	C4B-NB	-2.46	1.34	1.37
14	a	839	CLA	C4C-C3C	2.45	1.49	1.45
14	b	838	CLA	C1C-NC	-2.45	1.34	1.37
14	G	814	CLA	C4B-NB	-2.45	1.34	1.37
14	k	101	CLA	C4C-C3C	2.45	1.49	1.45
14	G	802	CLA	C1C-NC	-2.45	1.34	1.37
14	b	816	CLA	C1B-C2B	2.45	1.48	1.43
14	A	838	CLA	C1B-C2B	2.45	1.48	1.43
14	b	823	CLA	C1C-C2C	2.45	1.49	1.44
14	B	826	CLA	C1B-C2B	2.45	1.48	1.43
14	H	831	CLA	C1D-C2D	2.45	1.50	1.45
14	B	837	CLA	C1D-C2D	2.45	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	C4B-NB	-2.45	1.34	1.37
14	G	827	CLA	C4B-NB	-2.45	1.34	1.37
14	F	201	CLA	MG-ND	-2.45	2.00	2.05
14	a	807	CLA	C1C-NC	-2.45	1.34	1.37
14	B	806	CLA	C1B-C2B	2.45	1.48	1.43
14	a	821	CLA	C1C-NC	-2.45	1.34	1.37
14	G	817	CLA	C1D-C2D	2.45	1.50	1.45
14	a	810	CLA	C1C-NC	-2.45	1.34	1.37
14	b	827	CLA	C4C-C3C	2.45	1.49	1.45
14	b	830	CLA	C4B-NB	-2.45	1.34	1.37
14	G	810	CLA	C1D-C2D	2.45	1.50	1.45
14	A	819	CLA	C4B-NB	-2.45	1.34	1.37
14	b	807	CLA	C4B-NB	-2.45	1.34	1.37
14	a	822	CLA	C1C-NC	-2.44	1.34	1.37
14	S	102	CLA	C1D-C2D	2.44	1.50	1.45
14	G	815	CLA	C4B-NB	-2.44	1.34	1.37
14	A	820	CLA	C1B-C2B	2.44	1.48	1.43
14	H	823	CLA	C1C-NC	-2.44	1.34	1.37
14	a	833	CLA	C1C-NC	-2.44	1.34	1.37
14	B	811	CLA	C4B-NB	-2.44	1.34	1.37
14	U	207	CLA	C4B-NB	-2.44	1.34	1.37
14	a	814	CLA	C1C-NC	-2.44	1.34	1.37
14	l	205	CLA	C1C-NC	-2.44	1.34	1.37
14	B	817	CLA	C4B-NB	-2.44	1.34	1.37
14	A	812	CLA	C1D-C2D	2.44	1.50	1.45
14	A	815	CLA	MG-ND	-2.44	2.01	2.05
14	B	833	CLA	C4B-NB	-2.44	1.34	1.37
14	H	823	CLA	C4C-C3C	2.44	1.49	1.45
14	H	818	CLA	C1D-C2D	2.44	1.50	1.45
14	G	810	CLA	C4B-NB	-2.44	1.34	1.37
14	B	816	CLA	C3D-C2D	2.43	1.45	1.39
14	A	842	CLA	C3B-C4B	2.43	1.49	1.42
14	G	802	CLA	C4B-NB	-2.43	1.34	1.37
14	T	101	CLA	C1D-C2D	2.43	1.50	1.45
14	A	813	CLA	C1B-C2B	2.43	1.48	1.43
14	G	822	CLA	C1C-NC	-2.43	1.34	1.37
14	b	812	CLA	C1C-NC	-2.43	1.34	1.37
14	H	837	CLA	C1D-C2D	2.43	1.50	1.45
14	G	831	CLA	C1C-NC	-2.43	1.34	1.37
14	A	811	CLA	C4B-NB	-2.43	1.34	1.37
14	H	817	CLA	C4B-NB	-2.43	1.34	1.37
14	A	823	CLA	C4B-NB	-2.43	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	807	CLA	C1C-NC	-2.43	1.34	1.37
14	b	823	CLA	C1C-NC	-2.43	1.34	1.37
14	b	836	CLA	C4B-NB	-2.43	1.34	1.37
14	H	830	CLA	C4C-C3C	2.43	1.49	1.45
14	G	811	CLA	C1C-NC	-2.43	1.34	1.37
14	a	817	CLA	C1C-NC	-2.43	1.34	1.37
14	H	813	CLA	C1D-C2D	2.43	1.50	1.45
14	a	813	CLA	C1C-NC	-2.43	1.34	1.37
14	k	102	CLA	C1C-NC	-2.43	1.34	1.37
14	a	827	CLA	C4B-NB	-2.43	1.34	1.37
14	B	823	CLA	C4B-NB	-2.43	1.34	1.37
14	j	1302	CLA	C4B-NB	-2.43	1.34	1.37
14	B	832	CLA	C1C-NC	-2.43	1.34	1.37
14	b	807	CLA	C1D-C2D	2.42	1.50	1.45
14	B	808	CLA	C4B-NB	-2.42	1.34	1.37
14	L	205	CLA	C4B-NB	-2.42	1.34	1.37
14	A	810	CLA	C1D-C2D	2.42	1.50	1.45
14	a	817	CLA	C1D-C2D	2.42	1.50	1.45
14	a	852	CLA	C1B-C2B	2.42	1.48	1.43
14	A	815	CLA	C1C-NC	-2.42	1.34	1.37
14	a	827	CLA	C1C-NC	-2.42	1.34	1.37
14	A	814	CLA	C4B-NB	-2.42	1.34	1.37
14	M	1601	CLA	C4B-NB	-2.42	1.34	1.37
14	a	803	CLA	C4B-NB	-2.42	1.34	1.37
14	b	824	CLA	C1C-NC	-2.42	1.34	1.37
14	a	853	CLA	C1B-C2B	2.42	1.48	1.43
14	H	826	CLA	C3B-C4B	2.42	1.49	1.42
14	T	102	CLA	C1C-NC	-2.42	1.34	1.37
14	a	842	CLA	C3B-C4B	2.42	1.49	1.42
14	a	802	CLA	C4B-NB	-2.41	1.34	1.37
14	b	806	CLA	C1C-NC	-2.41	1.34	1.37
14	G	810	CLA	C1C-NC	-2.41	1.34	1.37
14	a	820	CLA	C1C-NC	-2.41	1.34	1.37
14	a	830	CLA	C1C-NC	-2.41	1.34	1.37
14	G	806	CLA	C1D-C2D	2.41	1.50	1.45
14	j	1303	CLA	C4C-C3C	2.41	1.49	1.45
14	B	839	CLA	C1C-NC	-2.41	1.34	1.37
14	G	836	CLA	C1C-NC	-2.41	1.34	1.37
14	a	841	CLA	C1B-C2B	2.41	1.48	1.43
14	B	835	CLA	C1C-NC	-2.41	1.34	1.37
14	b	805	CLA	C4B-NB	-2.41	1.34	1.37
14	b	806	CLA	C4B-NB	-2.41	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	829	CLA	C4B-NB	-2.41	1.34	1.37
14	G	820	CLA	C1C-NC	-2.41	1.34	1.37
14	H	809	CLA	C1C-NC	-2.41	1.34	1.37
14	b	827	CLA	C1B-C2B	2.41	1.48	1.43
14	b	805	CLA	C1C-NC	-2.41	1.34	1.37
14	B	809	CLA	C4B-NB	-2.40	1.34	1.37
14	b	834	CLA	C1C-NC	-2.40	1.34	1.37
14	b	835	CLA	C4C-C3C	2.40	1.49	1.45
14	L	204	CLA	C1B-C2B	2.40	1.48	1.43
14	B	841	CLA	C1C-NC	-2.40	1.34	1.37
14	b	835	CLA	C1D-C2D	2.40	1.50	1.45
14	H	815	CLA	C4B-NB	-2.40	1.34	1.37
14	B	810	CLA	C1D-C2D	2.40	1.50	1.45
14	A	827	CLA	C4B-NB	-2.40	1.34	1.37
14	G	803	CLA	C1C-NC	-2.40	1.34	1.37
14	a	811	CLA	C1C-NC	-2.40	1.34	1.37
14	H	818	CLA	C1C-NC	-2.40	1.34	1.37
14	b	820	CLA	C1C-NC	-2.40	1.34	1.37
14	A	817	CLA	C1D-C2D	2.40	1.50	1.45
14	b	819	CLA	C1C-NC	-2.40	1.34	1.37
14	B	823	CLA	C1C-NC	-2.40	1.34	1.37
14	H	802	CLA	C1C-NC	-2.40	1.34	1.37
14	b	815	CLA	C4B-NB	-2.40	1.34	1.37
14	H	824	CLA	C1B-C2B	2.39	1.48	1.43
14	B	830	CLA	C4C-C3C	2.39	1.49	1.45
14	b	817	CLA	C1C-NC	-2.39	1.34	1.37
14	a	806	CLA	C1D-C2D	2.39	1.50	1.45
14	G	820	CLA	C4B-NB	-2.39	1.34	1.37
14	G	823	CLA	C4B-NB	-2.39	1.34	1.37
14	B	820	CLA	C1C-NC	-2.39	1.34	1.37
14	H	826	CLA	C1C-C2C	2.39	1.49	1.44
14	a	815	CLA	C1D-C2D	2.39	1.50	1.45
14	b	803	CLA	C1C-NC	-2.39	1.34	1.37
14	j	1302	CLA	C4C-C3C	2.39	1.49	1.45
14	b	813	CLA	C1D-C2D	2.39	1.50	1.45
14	k	102	CLA	C1D-C2D	2.39	1.50	1.45
14	K	1401	CLA	C1C-NC	-2.39	1.34	1.37
14	J	1303	CLA	C4B-NB	-2.39	1.34	1.37
14	G	806	CLA	C1C-NC	-2.39	1.34	1.37
14	G	815	CLA	C4C-C3C	2.39	1.49	1.45
14	B	818	CLA	C1D-C2D	2.39	1.50	1.45
14	H	807	CLA	C1B-C2B	2.39	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	811	CLA	C1C-NC	-2.39	1.34	1.37
14	b	815	CLA	C1D-C2D	2.39	1.50	1.45
14	B	837	CLA	C1C-NC	-2.39	1.34	1.37
14	a	819	CLA	C4B-NB	-2.39	1.34	1.37
14	b	809	CLA	C4B-NB	-2.39	1.34	1.37
14	B	815	CLA	C4B-NB	-2.39	1.34	1.37
14	H	837	CLA	C4C-C3C	2.39	1.49	1.45
14	G	826	CLA	C3D-C2D	2.39	1.45	1.39
14	T	101	CLA	C4C-C3C	2.39	1.49	1.45
16	b	845	BCR	C10-C9	-2.39	1.30	1.35
14	l	203	CLA	C1B-C2B	2.39	1.48	1.43
14	a	840	CLA	C3B-C4B	2.38	1.49	1.42
14	a	811	CLA	C4B-NB	-2.38	1.34	1.37
14	S	102	CLA	C4C-C3C	2.38	1.49	1.45
14	G	841	CLA	C3B-C4B	2.38	1.49	1.42
14	H	820	CLA	C1C-NC	-2.38	1.34	1.37
14	A	821	CLA	C1C-NC	-2.38	1.34	1.37
14	G	809	CLA	C4B-NB	-2.38	1.34	1.37
14	A	803	CLA	C3D-C2D	2.38	1.45	1.39
14	a	811	CLA	C1D-C2D	2.38	1.50	1.45
14	b	802	CLA	C1C-NC	-2.38	1.34	1.37
14	H	807	CLA	C1C-NC	-2.38	1.34	1.37
14	S	101	CLA	C4C-C3C	2.38	1.49	1.45
14	A	809	CLA	C4B-NB	-2.38	1.34	1.37
14	B	807	CLA	C4B-NB	-2.38	1.34	1.37
14	A	840	CLA	C1B-C2B	2.38	1.48	1.43
14	b	812	CLA	C4B-NB	-2.38	1.34	1.37
14	H	812	CLA	C4C-C3C	2.38	1.49	1.45
14	B	836	CLA	C1C-NC	-2.38	1.34	1.37
14	X	1701	CLA	C1C-NC	-2.38	1.34	1.37
14	B	823	CLA	MG-ND	-2.37	2.01	2.05
14	a	813	CLA	C1B-C2B	2.37	1.48	1.43
14	Q	202	CLA	C1C-NC	-2.37	1.34	1.37
14	H	837	CLA	C1C-NC	-2.37	1.34	1.37
14	H	821	CLA	C1D-C2D	2.37	1.50	1.45
14	a	815	CLA	C1C-NC	-2.37	1.34	1.37
14	H	816	CLA	C4B-NB	-2.37	1.34	1.37
14	b	828	CLA	C1B-C2B	2.37	1.48	1.43
14	A	827	CLA	C1B-C2B	2.37	1.48	1.43
14	G	803	CLA	C4B-NB	-2.37	1.34	1.37
14	m	1201	CLA	C4B-NB	-2.37	1.34	1.37
14	G	817	CLA	C4C-C3C	2.37	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	833	CLA	C1C-NC	-2.37	1.34	1.37
14	B	802	CLA	C1C-NC	-2.37	1.34	1.37
14	G	841	CLA	C1B-C2B	2.37	1.48	1.43
14	G	819	CLA	C1C-NC	-2.37	1.34	1.37
14	H	836	CLA	C1C-NC	-2.37	1.34	1.37
14	m	1202	CLA	C4B-NB	-2.37	1.34	1.37
14	B	837	CLA	C4C-C3C	2.37	1.49	1.45
14	a	810	CLA	C1B-C2B	2.37	1.48	1.43
14	B	813	CLA	C1D-C2D	2.37	1.50	1.45
14	G	840	CLA	C1B-C2B	2.37	1.48	1.43
14	G	839	CLA	C3B-C4B	2.37	1.49	1.42
14	J	1303	CLA	C4C-C3C	2.36	1.49	1.45
14	b	831	CLA	MG-ND	-2.36	2.01	2.05
14	G	821	CLA	C1C-NC	-2.36	1.34	1.37
14	U	205	CLA	C1B-C2B	2.36	1.48	1.43
14	b	829	CLA	C1C-NC	-2.36	1.34	1.37
14	b	828	CLA	C3D-C2D	2.36	1.45	1.39
14	a	823	CLA	C4B-NB	-2.36	1.34	1.37
14	a	809	CLA	C4B-NB	-2.36	1.34	1.37
14	G	830	CLA	C1B-C2B	2.36	1.48	1.43
14	b	816	CLA	C1C-NC	-2.36	1.34	1.37
14	T	102	CLA	C4B-NB	-2.36	1.34	1.37
14	A	820	CLA	C1C-NC	-2.36	1.34	1.37
14	H	826	CLA	CHD-C4C	2.36	1.44	1.39
14	B	814	CLA	C1C-NC	-2.36	1.34	1.37
14	k	102	CLA	C4B-NB	-2.36	1.34	1.37
14	K	1401	CLA	C4B-NB	-2.36	1.34	1.37
14	G	811	CLA	C4B-NB	-2.36	1.34	1.37
14	G	820	CLA	C1D-C2D	2.36	1.50	1.45
14	F	201	CLA	C4C-C3C	2.36	1.49	1.45
14	H	810	CLA	C1D-C2D	2.36	1.50	1.45
14	b	803	CLA	C4B-NB	-2.36	1.34	1.37
14	G	821	CLA	C4B-NB	-2.36	1.34	1.37
14	m	1201	CLA	C1C-NC	-2.36	1.34	1.37
14	H	803	CLA	C1D-C2D	2.36	1.50	1.45
14	a	839	CLA	C1D-C2D	2.35	1.50	1.45
14	a	816	CLA	C1C-NC	-2.35	1.34	1.37
14	a	806	CLA	C4B-NB	-2.35	1.34	1.37
14	T	102	CLA	C1D-C2D	2.35	1.50	1.45
14	A	840	CLA	C4B-NB	-2.35	1.34	1.37
14	G	817	CLA	C1C-NC	-2.35	1.34	1.37
14	H	807	CLA	C3B-C4B	2.35	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	845	BCR	C12-C13	2.35	1.51	1.46
14	H	807	CLA	C1D-C2D	2.35	1.50	1.45
14	b	816	CLA	C4C-C3C	2.35	1.49	1.45
14	A	827	CLA	C1C-NC	-2.35	1.34	1.37
14	G	838	CLA	C1B-C2B	2.35	1.48	1.43
14	A	806	CLA	C1D-C2D	2.35	1.50	1.45
14	b	835	CLA	C1C-NC	-2.35	1.34	1.37
14	H	832	CLA	C1B-C2B	2.35	1.48	1.43
14	a	810	CLA	C1D-C2D	2.35	1.50	1.45
14	J	1302	CLA	C4C-C3C	2.35	1.49	1.45
14	B	814	CLA	C1D-C2D	2.35	1.50	1.45
14	a	820	CLA	C4B-NB	-2.34	1.34	1.37
14	a	820	CLA	C1D-C2D	2.34	1.50	1.45
14	Q	201	CLA	C1B-C2B	2.34	1.48	1.43
14	A	820	CLA	C4B-NB	-2.34	1.34	1.37
14	H	833	CLA	C4B-NB	-2.34	1.34	1.37
14	b	825	CLA	C4B-NB	-2.34	1.34	1.37
14	V	1601	CLA	C4B-NB	-2.34	1.34	1.37
14	b	802	CLA	C1B-C2B	2.34	1.48	1.43
14	x	1701	CLA	C1C-NC	-2.34	1.34	1.37
14	A	812	CLA	C4B-NB	-2.34	1.34	1.37
14	a	804	CLA	C1C-NC	-2.34	1.34	1.37
14	b	835	CLA	C4B-NB	-2.34	1.34	1.37
14	a	817	CLA	C4B-NB	-2.34	1.34	1.37
14	H	824	CLA	C1D-C2D	2.34	1.50	1.45
14	A	816	CLA	C1C-NC	-2.34	1.34	1.37
14	A	811	CLA	C1D-C2D	2.34	1.50	1.45
14	a	816	CLA	C4B-NB	-2.34	1.34	1.37
14	G	811	CLA	C1D-C2D	2.34	1.50	1.45
14	G	816	CLA	C1D-C2D	2.34	1.50	1.45
14	b	816	CLA	C1D-C2D	2.34	1.50	1.45
14	G	805	CLA	C3B-C4B	2.33	1.49	1.42
14	V	1601	CLA	C1C-NC	-2.33	1.34	1.37
14	B	827	CLA	C4C-C3C	2.33	1.49	1.45
14	H	803	CLA	C4B-NB	-2.33	1.34	1.37
14	B	816	CLA	C4C-C3C	2.33	1.49	1.45
14	B	824	CLA	C1D-C2D	2.33	1.50	1.45
14	J	1302	CLA	C1D-C2D	2.33	1.50	1.45
14	a	805	CLA	C3B-C4B	2.33	1.49	1.42
14	A	830	CLA	C1C-NC	-2.33	1.34	1.37
14	j	1303	CLA	C3A-C2A	-2.33	1.52	1.54
14	a	812	CLA	C4B-NB	-2.33	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	828	CLA	C1D-C2D	2.33	1.49	1.45
14	A	821	CLA	C4B-NB	-2.33	1.34	1.37
14	G	813	CLA	C1C-NC	-2.33	1.34	1.37
14	B	812	CLA	C4B-NB	-2.33	1.34	1.37
14	B	823	CLA	C1D-C2D	2.33	1.49	1.45
14	B	822	CLA	C1C-NC	-2.33	1.34	1.37
14	a	827	CLA	C1B-C2B	2.33	1.48	1.43
14	W	1701	CLA	C1C-NC	-2.33	1.34	1.37
14	G	830	CLA	C1C-NC	-2.33	1.34	1.37
14	B	819	CLA	C1D-C2D	2.33	1.49	1.45
14	K	1401	CLA	C1D-C2D	2.33	1.49	1.45
14	G	809	CLA	C1A-CHA	2.33	1.52	1.43
14	j	1301	CLA	C4B-NB	-2.33	1.34	1.37
14	a	839	CLA	C3B-C4B	2.33	1.49	1.42
14	A	813	CLA	C1C-NC	-2.33	1.34	1.37
14	H	832	CLA	C4B-NB	-2.33	1.34	1.37
14	G	819	CLA	C1D-C2D	2.32	1.49	1.45
14	T	102	CLA	C4C-C3C	2.32	1.49	1.45
14	H	833	CLA	C4C-C3C	2.32	1.49	1.45
14	T	101	CLA	C1C-NC	-2.32	1.34	1.37
14	a	816	CLA	C1D-C2D	2.32	1.49	1.45
14	G	816	CLA	C1C-NC	-2.32	1.34	1.37
14	H	814	CLA	C1D-C2D	2.32	1.49	1.45
14	b	810	CLA	C1D-C2D	2.32	1.49	1.45
14	H	836	CLA	C4C-C3C	2.32	1.49	1.45
14	M	1601	CLA	C1C-NC	-2.32	1.34	1.37
14	a	842	CLA	C1B-C2B	2.32	1.48	1.43
14	b	834	CLA	C4C-C3C	2.32	1.49	1.45
14	G	827	CLA	C1C-NC	-2.32	1.34	1.37
14	a	819	CLA	C1D-C2D	2.32	1.49	1.45
14	j	1302	CLA	C1D-C2D	2.32	1.49	1.45
14	H	833	CLA	C1D-C2D	2.32	1.49	1.45
14	K	1401	CLA	C4C-C3C	2.31	1.49	1.45
14	B	833	CLA	C4C-C3C	2.31	1.49	1.45
14	A	810	CLA	C4B-NB	-2.31	1.34	1.37
14	A	839	CLA	C3B-C4B	2.31	1.49	1.42
14	A	803	CLA	C1C-NC	-2.31	1.34	1.37
14	G	826	CLA	C4C-C3C	2.31	1.49	1.45
14	G	826	CLA	C1D-C2D	2.31	1.49	1.45
14	k	101	CLA	C1C-NC	-2.31	1.34	1.37
14	k	101	CLA	C4B-NB	-2.31	1.34	1.37
14	B	835	CLA	C3B-C4B	2.31	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	834	CLA	C1C-NC	-2.31	1.34	1.37
14	S	102	CLA	C1C-NC	-2.31	1.34	1.37
14	b	823	CLA	C4B-NB	-2.31	1.34	1.37
14	G	822	CLA	C1D-C2D	2.31	1.49	1.45
14	k	102	CLA	C4C-C3C	2.31	1.49	1.45
14	H	809	CLA	C4B-NB	-2.31	1.34	1.37
14	b	820	CLA	C1D-C2D	2.31	1.49	1.45
14	H	802	CLA	C1B-C2B	2.31	1.48	1.43
14	B	818	CLA	C1C-NC	-2.31	1.34	1.37
13	A	801	CL0	C3D-C2D	2.31	1.45	1.39
14	B	807	CLA	C1C-NC	-2.31	1.34	1.37
14	B	802	CLA	C1B-C2B	2.31	1.48	1.43
14	A	829	CLA	C1B-C2B	2.30	1.48	1.43
14	a	834	CLA	C4B-NB	-2.30	1.34	1.37
14	a	839	CLA	C1B-C2B	2.30	1.48	1.43
14	b	811	CLA	C1C-NC	-2.30	1.34	1.37
14	B	831	CLA	C1B-C2B	2.30	1.48	1.43
14	b	815	CLA	C1C-NC	-2.30	1.34	1.37
14	b	809	CLA	C4C-C3C	2.30	1.48	1.45
14	A	803	CLA	C4B-NB	-2.30	1.34	1.37
14	A	806	CLA	C4B-NB	-2.30	1.34	1.37
14	H	828	CLA	C4B-NB	-2.30	1.34	1.37
14	H	838	CLA	C4B-NB	-2.30	1.34	1.37
14	B	807	CLA	C1D-C2D	2.30	1.49	1.45
14	H	837	CLA	C4B-NB	-2.30	1.34	1.37
14	B	836	CLA	C4C-C3C	2.30	1.48	1.45
14	a	819	CLA	C1C-NC	-2.30	1.34	1.37
14	A	842	CLA	C1B-C2B	2.30	1.48	1.43
14	H	821	CLA	C4B-NB	-2.30	1.34	1.37
14	H	831	CLA	C1B-C2B	2.30	1.48	1.43
14	B	837	CLA	C4B-NB	-2.30	1.34	1.37
14	H	832	CLA	C1C-NC	-2.30	1.34	1.37
14	B	818	CLA	C4B-NB	-2.30	1.34	1.37
14	b	816	CLA	OBD-CAD	2.30	1.26	1.22
14	m	1202	CLA	C1C-NC	-2.30	1.34	1.37
14	A	837	CLA	C1D-C2D	2.30	1.49	1.45
14	a	819	CLA	C4C-C3C	2.30	1.48	1.45
14	J	1301	CLA	C4B-NB	-2.29	1.34	1.37
14	a	838	CLA	C1A-CHA	2.29	1.52	1.43
14	B	803	CLA	C4B-NB	-2.29	1.34	1.37
14	S	101	CLA	C1D-C2D	2.29	1.49	1.45
14	B	803	CLA	C1D-C2D	2.29	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	824	CLA	C1C-NC	-2.29	1.34	1.37
14	G	808	CLA	C1D-C2D	2.29	1.49	1.45
14	B	833	CLA	C1D-C2D	2.29	1.49	1.45
14	H	819	CLA	C1D-C2D	2.29	1.49	1.45
14	H	822	CLA	C1C-NC	-2.29	1.34	1.37
14	G	829	CLA	C1B-C2B	2.29	1.48	1.43
14	G	818	CLA	C1A-CHA	2.29	1.52	1.43
14	H	816	CLA	C1D-ND	-2.29	1.34	1.37
14	G	821	CLA	C1D-C2D	2.29	1.49	1.45
14	b	810	CLA	C4B-NB	-2.29	1.34	1.37
14	J	1303	CLA	C1C-NC	-2.29	1.34	1.37
14	A	813	CLA	C1D-C2D	2.29	1.49	1.45
14	a	813	CLA	C1D-C2D	2.29	1.49	1.45
14	F	201	CLA	C1B-C2B	2.29	1.48	1.43
14	H	804	CLA	C1A-CHA	2.29	1.52	1.43
14	B	823	CLA	C1A-CHA	2.29	1.52	1.43
14	b	834	CLA	C1D-C2D	2.28	1.49	1.45
14	S	102	CLA	C4B-NB	-2.28	1.34	1.37
14	A	830	CLA	C4B-NB	-2.28	1.34	1.37
14	H	840	CLA	C1D-C2D	2.28	1.49	1.45
14	b	825	CLA	C1D-C2D	2.28	1.49	1.45
14	B	824	CLA	C1C-NC	-2.28	1.34	1.37
14	B	824	CLA	C3B-C4B	2.28	1.49	1.42
14	B	819	CLA	C4C-C3C	2.28	1.48	1.45
14	B	828	CLA	C1D-C2D	2.28	1.49	1.45
14	b	818	CLA	C1D-C2D	2.28	1.49	1.45
14	b	813	CLA	MG-ND	-2.28	2.01	2.05
14	H	819	CLA	C4B-NB	-2.28	1.34	1.37
14	H	826	CLA	C1B-C2B	2.28	1.48	1.43
14	B	831	CLA	C1D-C2D	2.28	1.49	1.45
14	b	821	CLA	C1C-NC	-2.28	1.34	1.37
14	B	804	CLA	C1D-C2D	2.28	1.49	1.45
14	H	817	CLA	C1D-C2D	2.28	1.49	1.45
14	b	825	CLA	C4C-C3C	2.28	1.48	1.45
14	A	842	CLA	C1A-CHA	2.28	1.52	1.43
14	A	820	CLA	C1D-C2D	2.28	1.49	1.45
14	G	840	CLA	C4B-NB	-2.28	1.34	1.37
14	B	814	CLA	C4B-NB	-2.27	1.34	1.37
14	b	830	CLA	C4C-C3C	2.27	1.48	1.45
14	H	801	CLA	C1A-CHA	2.27	1.52	1.43
14	H	835	CLA	C3B-C4B	2.27	1.49	1.42
14	H	814	CLA	C1C-NC	-2.27	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	841	CLA	C1A-CHA	2.27	1.52	1.43
14	b	833	CLA	C3B-C4B	2.27	1.49	1.42
14	S	102	CLA	C3A-C2A	-2.27	1.52	1.54
14	b	811	CLA	C1D-C2D	2.27	1.49	1.45
14	a	815	CLA	C4C-C3C	2.27	1.48	1.45
14	A	819	CLA	C1C-NC	-2.27	1.34	1.37
14	B	804	CLA	C1A-CHA	2.27	1.52	1.43
14	G	834	CLA	C1C-NC	-2.27	1.34	1.37
14	T	101	CLA	C4B-NB	-2.27	1.34	1.37
14	B	819	CLA	C1B-C2B	2.27	1.48	1.43
14	b	831	CLA	C1B-C2B	2.27	1.48	1.43
14	H	836	CLA	C1D-C2D	2.27	1.49	1.45
14	b	803	CLA	C1D-C2D	2.27	1.49	1.45
14	G	811	CLA	C4C-C3C	2.27	1.48	1.45
14	A	817	CLA	C1B-C2B	2.27	1.48	1.43
14	a	803	CLA	C1C-NC	-2.27	1.34	1.37
14	a	837	CLA	C1D-C2D	2.26	1.49	1.45
14	m	1201	CLA	C1D-C2D	2.26	1.49	1.45
14	a	842	CLA	C1A-CHA	2.26	1.52	1.43
14	F	201	CLA	C1D-C2D	2.26	1.49	1.45
14	H	818	CLA	C4C-C3C	2.26	1.48	1.45
14	B	840	CLA	C1D-C2D	2.26	1.49	1.45
14	H	839	CLA	C1D-C2D	2.26	1.49	1.45
14	a	829	CLA	C1B-C2B	2.26	1.48	1.43
14	G	808	CLA	C4C-C3C	2.26	1.48	1.45
14	B	824	CLA	C4B-NB	-2.26	1.34	1.37
14	b	811	CLA	C4C-C3C	2.26	1.48	1.45
14	b	833	CLA	C4B-NB	-2.26	1.34	1.37
14	G	837	CLA	C1D-C2D	2.26	1.49	1.45
14	a	822	CLA	C1D-C2D	2.26	1.49	1.45
14	a	823	CLA	C1D-C2D	2.26	1.49	1.45
14	G	806	CLA	C4B-NB	-2.26	1.34	1.37
14	L	205	CLA	C1D-C2D	2.26	1.49	1.45
14	A	816	CLA	C3B-C4B	2.26	1.49	1.42
14	A	822	CLA	C4B-NB	-2.26	1.34	1.37
14	B	822	CLA	C4B-NB	-2.26	1.34	1.37
14	b	821	CLA	C1B-C2B	2.26	1.48	1.43
14	a	836	CLA	C1A-CHA	2.26	1.52	1.43
14	H	829	CLA	C1B-C2B	2.26	1.48	1.43
14	b	836	CLA	C4C-C3C	2.25	1.48	1.45
14	a	818	CLA	C1A-CHA	2.25	1.52	1.43
14	J	1303	CLA	C3A-C2A	-2.25	1.52	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	823	CLA	C1D-C2D	2.25	1.49	1.45
14	H	827	CLA	C4C-C3C	2.25	1.48	1.45
14	H	828	CLA	C4C-C3C	2.25	1.48	1.45
14	A	805	CLA	C3B-C4B	2.25	1.49	1.42
14	G	816	CLA	C4B-NB	-2.25	1.34	1.37
14	B	807	CLA	C3B-C4B	2.25	1.49	1.42
14	G	834	CLA	C1D-C2D	2.25	1.49	1.45
14	H	835	CLA	C1D-C2D	2.25	1.49	1.45
14	B	834	CLA	C4C-C3C	2.25	1.48	1.45
14	B	839	CLA	C1D-C2D	2.25	1.49	1.45
14	l	205	CLA	C1D-C2D	2.25	1.49	1.45
14	H	842	CLA	C1A-CHA	2.25	1.52	1.43
14	b	834	CLA	C4B-NB	-2.25	1.34	1.37
14	a	808	CLA	C1D-C2D	2.25	1.49	1.45
14	a	841	CLA	C4B-NB	-2.25	1.34	1.37
14	H	841	CLA	C4B-NB	-2.25	1.34	1.37
14	S	101	CLA	C4B-NB	-2.25	1.34	1.37
14	a	834	CLA	C1D-C2D	2.25	1.49	1.45
14	b	831	CLA	C1D-C2D	2.25	1.49	1.45
14	B	838	CLA	C4B-NB	-2.25	1.34	1.37
14	j	1303	CLA	C4B-NB	-2.25	1.34	1.37
14	a	837	CLA	C4C-C3C	2.25	1.48	1.45
14	b	838	CLA	C1D-C2D	2.25	1.49	1.45
14	H	810	CLA	C4C-C3C	2.25	1.48	1.45
14	G	822	CLA	C4B-NB	-2.25	1.34	1.37
14	V	1601	CLA	C4C-C3C	2.25	1.48	1.45
14	b	815	CLA	C4C-C3C	2.24	1.48	1.45
14	B	841	CLA	C4B-NB	-2.24	1.34	1.37
14	H	824	CLA	C3B-C4B	2.24	1.49	1.42
14	B	842	CLA	C1A-CHA	2.24	1.52	1.43
14	A	834	CLA	C1D-C2D	2.24	1.49	1.45
14	L	204	CLA	C1A-CHA	2.24	1.52	1.43
14	b	832	CLA	C1A-CHA	2.24	1.52	1.43
14	G	823	CLA	C1D-C2D	2.24	1.49	1.45
14	j	1302	CLA	C1C-NC	-2.24	1.34	1.37
14	H	823	CLA	C1D-C2D	2.24	1.49	1.45
14	a	811	CLA	C4C-C3C	2.24	1.48	1.45
14	B	826	CLA	C1C-C2C	2.24	1.49	1.44
14	B	836	CLA	C4B-NB	-2.24	1.34	1.37
14	j	1303	CLA	C1C-NC	-2.24	1.34	1.37
14	a	831	CLA	C1D-C2D	2.24	1.49	1.45
14	U	207	CLA	C1D-C2D	2.24	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	821	CLA	C4C-C3C	2.24	1.48	1.45
14	b	839	CLA	C4B-NB	-2.24	1.34	1.37
14	G	825	CLA	C1D-C2D	2.24	1.49	1.45
14	a	822	CLA	C4B-NB	-2.24	1.34	1.37
14	a	826	CLA	C4C-C3C	2.24	1.48	1.45
14	b	830	CLA	C1D-C2D	2.24	1.49	1.45
14	H	824	CLA	C4B-NB	-2.24	1.34	1.37
14	A	836	CLA	C1A-CHA	2.24	1.52	1.43
14	B	836	CLA	C1D-C2D	2.24	1.49	1.45
14	A	802	CLA	C1D-C2D	2.24	1.49	1.45
14	b	807	CLA	C4C-C3C	2.24	1.48	1.45
14	H	820	CLA	C1D-C2D	2.23	1.49	1.45
14	G	836	CLA	C1A-CHA	2.23	1.52	1.43
14	Q	201	CLA	C1D-C2D	2.23	1.49	1.45
14	G	827	CLA	C1B-C2B	2.23	1.48	1.43
14	W	1701	CLA	C3B-C4B	2.23	1.49	1.42
14	a	810	CLA	C4B-NB	-2.23	1.34	1.37
14	G	819	CLA	C4B-NB	-2.23	1.34	1.37
14	H	804	CLA	C1D-C2D	2.23	1.49	1.45
14	A	816	CLA	C1D-C2D	2.23	1.49	1.45
14	A	818	CLA	C1A-CHA	2.23	1.52	1.43
14	A	809	CLA	C1A-CHA	2.23	1.52	1.43
14	x	1701	CLA	C4B-NB	-2.23	1.34	1.37
14	Q	202	CLA	C1A-CHA	2.23	1.52	1.43
14	H	821	CLA	C4C-C3C	2.23	1.48	1.45
14	m	1201	CLA	C3B-C4B	2.23	1.49	1.42
14	G	805	CLA	C4B-NB	-2.23	1.34	1.37
14	a	827	CLA	C1D-C2D	2.23	1.49	1.45
14	H	822	CLA	C4B-NB	-2.23	1.34	1.37
14	X	1701	CLA	C4C-C3C	2.23	1.48	1.45
14	a	825	CLA	C1D-C2D	2.23	1.49	1.45
14	L	206	CLA	C1D-C2D	2.23	1.49	1.45
14	U	205	CLA	C1A-CHA	2.23	1.52	1.43
14	l	203	CLA	C1A-CHA	2.23	1.52	1.43
14	H	841	CLA	C1D-C2D	2.23	1.49	1.45
14	M	1601	CLA	C1A-CHA	2.22	1.52	1.43
14	H	814	CLA	C4C-C3C	2.22	1.48	1.45
14	G	837	CLA	C4C-C3C	2.22	1.48	1.45
14	A	818	CLA	C1D-C2D	2.22	1.49	1.45
14	A	811	CLA	C4C-C3C	2.22	1.48	1.45
14	H	825	CLA	C4C-C3C	2.22	1.48	1.45
14	a	830	CLA	C4B-NB	-2.22	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	837	CLA	C1D-C2D	2.22	1.49	1.45
14	A	827	CLA	C1D-C2D	2.22	1.49	1.45
14	G	838	CLA	C1D-C2D	2.22	1.49	1.45
14	H	834	CLA	C1A-CHA	2.22	1.52	1.43
14	A	819	CLA	C4C-C3C	2.22	1.48	1.45
14	b	821	CLA	C4B-NB	-2.22	1.34	1.37
14	b	836	CLA	C1D-C2D	2.22	1.49	1.45
14	B	810	CLA	C4C-C3C	2.22	1.48	1.45
14	G	831	CLA	C1D-C2D	2.22	1.49	1.45
14	A	818	CLA	C4C-C3C	2.22	1.48	1.45
14	A	819	CLA	C1D-C2D	2.22	1.49	1.45
14	a	818	CLA	C4C-C3C	2.22	1.48	1.45
14	b	811	CLA	C3B-C4B	2.22	1.49	1.42
14	A	821	CLA	C1D-C2D	2.22	1.49	1.45
14	b	813	CLA	C1C-NC	-2.22	1.34	1.37
14	G	851	CLA	C1A-CHA	2.22	1.52	1.43
14	j	1301	CLA	C1A-CHA	2.22	1.52	1.43
14	b	817	CLA	C1D-C2D	2.22	1.49	1.45
14	W	1701	CLA	C4C-C3C	2.22	1.48	1.45
14	B	822	CLA	C1A-CHA	2.22	1.52	1.43
14	B	821	CLA	C1A-CHA	2.22	1.52	1.43
14	b	819	CLA	C1A-CHA	2.22	1.52	1.43
14	X	1701	CLA	C3B-C4B	2.22	1.49	1.42
14	B	818	CLA	C4C-C3C	2.22	1.48	1.45
14	A	827	CLA	C4C-C3C	2.21	1.48	1.45
14	a	820	CLA	C4C-C3C	2.21	1.48	1.45
14	a	817	CLA	C1B-C2B	2.21	1.48	1.43
14	Q	201	CLA	C1C-NC	-2.21	1.34	1.37
14	A	814	CLA	C1D-C2D	2.21	1.49	1.45
14	a	815	CLA	C1A-CHA	2.21	1.52	1.43
14	b	840	CLA	C1A-CHA	2.21	1.52	1.43
14	B	838	CLA	C4C-C3C	2.21	1.48	1.45
14	G	827	CLA	C1D-C2D	2.21	1.49	1.45
14	G	827	CLA	C3B-C4B	2.21	1.49	1.42
14	B	824	CLA	C1A-CHA	2.21	1.52	1.43
14	H	819	CLA	C4C-C3C	2.21	1.48	1.45
14	M	1601	CLA	C4C-C3C	2.21	1.48	1.45
14	b	817	CLA	C1A-CHA	2.21	1.52	1.43
14	b	805	CLA	C1A-CHA	2.21	1.52	1.43
14	A	837	CLA	C4C-C3C	2.21	1.48	1.45
14	B	804	CLA	C4C-C3C	2.21	1.48	1.45
14	A	831	CLA	C1D-C2D	2.21	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	817	CLA	C4C-C3C	2.21	1.48	1.45
14	A	815	CLA	C1A-CHA	2.21	1.52	1.43
14	b	819	CLA	C4B-NB	-2.21	1.35	1.37
14	b	822	CLA	C4C-C3C	2.21	1.48	1.45
14	B	806	CLA	C1A-CHA	2.21	1.52	1.43
14	A	822	CLA	C4C-C3C	2.21	1.48	1.45
14	B	828	CLA	C4C-C3C	2.21	1.48	1.45
14	b	818	CLA	C4C-C3C	2.21	1.48	1.45
14	H	814	CLA	C3B-C4B	2.20	1.49	1.42
14	G	819	CLA	C4C-C3C	2.20	1.48	1.45
14	H	820	CLA	C1A-CHA	2.20	1.52	1.43
14	G	814	CLA	C1D-C2D	2.20	1.49	1.45
14	A	803	CLA	C1A-CHA	2.20	1.52	1.43
14	B	820	CLA	C1A-CHA	2.20	1.52	1.43
14	a	826	CLA	C1D-C2D	2.20	1.49	1.45
14	Q	202	CLA	C1C-C2C	2.20	1.49	1.44
14	B	821	CLA	C4B-NB	-2.20	1.35	1.37
14	A	817	CLA	C1A-CHA	2.20	1.52	1.43
14	A	828	CLA	C1A-CHA	2.20	1.52	1.43
14	B	820	CLA	C1D-C2D	2.20	1.49	1.45
14	a	807	CLA	C1A-CHA	2.20	1.52	1.43
14	b	832	CLA	C4C-C3C	2.20	1.48	1.45
14	a	821	CLA	C1A-CHA	2.20	1.52	1.43
14	H	824	CLA	C1A-CHA	2.20	1.52	1.43
14	J	1302	CLA	C1A-CHA	2.20	1.52	1.43
14	H	842	CLA	C4C-C3C	2.20	1.48	1.45
14	H	822	CLA	C1A-CHA	2.20	1.52	1.43
14	B	834	CLA	C1A-CHA	2.20	1.52	1.43
14	B	830	CLA	C1A-CHA	2.20	1.52	1.43
14	H	835	CLA	C4B-NB	-2.19	1.35	1.37
14	b	811	CLA	C4B-NB	-2.19	1.35	1.37
14	G	807	CLA	C1A-CHA	2.19	1.52	1.43
14	k	102	CLA	C1A-CHA	2.19	1.52	1.43
14	a	842	CLA	C1D-C2D	2.19	1.49	1.45
14	j	1302	CLA	C1A-CHA	2.19	1.52	1.43
14	B	835	CLA	C1D-C2D	2.19	1.49	1.45
14	a	853	CLA	C1A-CHA	2.19	1.52	1.43
14	U	205	CLA	C4C-C3C	2.19	1.48	1.45
14	G	834	CLA	C4B-NB	-2.19	1.35	1.37
14	B	814	CLA	C3B-C4B	2.19	1.49	1.42
14	G	830	CLA	C4B-NB	-2.19	1.35	1.37
14	G	820	CLA	C4C-C3C	2.19	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	1202	CLA	C4C-C3C	2.19	1.48	1.45
14	A	827	CLA	C3B-C4B	2.19	1.49	1.42
14	b	823	CLA	C3B-C4B	2.19	1.49	1.42
14	a	818	CLA	C1D-C2D	2.19	1.49	1.45
14	G	818	CLA	C4C-C3C	2.19	1.48	1.45
14	U	206	CLA	C1D-C2D	2.19	1.49	1.45
14	l	204	CLA	C1D-C2D	2.19	1.49	1.45
14	a	817	CLA	C3B-C4B	2.19	1.49	1.42
14	x	1701	CLA	C4C-C3C	2.19	1.48	1.45
14	V	1601	CLA	C1A-CHA	2.19	1.52	1.43
14	A	838	CLA	C1D-C2D	2.19	1.49	1.45
14	a	814	CLA	C1D-C2D	2.19	1.49	1.45
14	A	841	CLA	C4B-NB	-2.18	1.35	1.37
14	a	827	CLA	C3B-C4B	2.18	1.49	1.42
14	G	815	CLA	C1D-ND	-2.18	1.35	1.37
14	A	821	CLA	C1A-CHA	2.18	1.52	1.43
14	G	841	CLA	C1D-C2D	2.18	1.49	1.45
14	G	821	CLA	C1A-CHA	2.18	1.52	1.43
14	G	813	CLA	C1A-CHA	2.18	1.52	1.43
14	a	803	CLA	C1A-CHA	2.18	1.52	1.43
14	B	813	CLA	C4B-NB	-2.18	1.35	1.37
14	A	815	CLA	C4B-NB	-2.18	1.35	1.37
14	a	804	CLA	C1D-C2D	2.18	1.49	1.45
14	A	815	CLA	C4C-C3C	2.18	1.48	1.45
14	G	803	CLA	C1A-CHA	2.18	1.52	1.43
14	H	823	CLA	C1A-CHA	2.18	1.52	1.43
14	x	1701	CLA	C1A-CHA	2.18	1.52	1.43
14	A	816	CLA	C1A-CHA	2.18	1.52	1.43
14	S	101	CLA	C1A-CHA	2.18	1.52	1.43
14	A	808	CLA	C1D-C2D	2.18	1.49	1.45
14	J	1301	CLA	C1A-CHA	2.18	1.52	1.43
14	K	1401	CLA	C1A-CHA	2.18	1.52	1.43
14	b	827	CLA	C1A-CHA	2.18	1.52	1.43
14	H	804	CLA	C4C-C3C	2.18	1.48	1.45
14	X	1701	CLA	C1A-CHA	2.18	1.52	1.43
14	B	836	CLA	C1A-CHA	2.18	1.52	1.43
14	b	823	CLA	C1A-CHA	2.18	1.52	1.43
14	A	842	CLA	C1D-C2D	2.18	1.49	1.45
14	G	814	CLA	C4C-C3C	2.18	1.48	1.45
14	b	818	CLA	C1A-CHA	2.18	1.52	1.43
14	A	807	CLA	C1A-CHA	2.18	1.52	1.43
14	a	809	CLA	C1A-CHA	2.18	1.52	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	817	CLA	C4C-C3C	2.18	1.48	1.45
14	G	831	CLA	C1A-CHA	2.17	1.52	1.43
14	b	821	CLA	C1D-C2D	2.17	1.49	1.45
14	m	1202	CLA	C1A-CHA	2.17	1.52	1.43
14	W	1701	CLA	C1A-CHA	2.17	1.52	1.43
14	b	812	CLA	C3B-C4B	2.17	1.49	1.42
14	B	817	CLA	C1D-C2D	2.17	1.49	1.45
14	T	102	CLA	C1A-CHA	2.17	1.52	1.43
14	A	831	CLA	C1A-CHA	2.17	1.52	1.43
14	B	841	CLA	C1D-C2D	2.17	1.49	1.45
14	a	828	CLA	C1A-CHA	2.17	1.52	1.43
14	l	203	CLA	C4C-C3C	2.17	1.48	1.45
14	a	815	CLA	MG-ND	-2.17	2.01	2.05
14	H	813	CLA	C4B-NB	-2.17	1.35	1.37
14	G	827	CLA	C4C-C3C	2.17	1.48	1.45
14	G	833	CLA	C1D-C2D	2.17	1.49	1.45
14	B	825	CLA	C1D-C2D	2.17	1.49	1.45
14	G	828	CLA	C1A-CHA	2.17	1.52	1.43
14	a	831	CLA	C1A-CHA	2.17	1.52	1.43
14	b	820	CLA	C1A-CHA	2.17	1.52	1.43
14	b	806	CLA	C1D-C2D	2.16	1.49	1.45
14	G	824	CLA	C3B-C4B	2.16	1.49	1.42
14	A	813	CLA	C4C-C3C	2.16	1.48	1.45
14	b	822	CLA	C1D-C2D	2.16	1.49	1.45
14	A	823	CLA	C4C-C3C	2.16	1.48	1.45
14	G	824	CLA	C4C-C3C	2.16	1.48	1.45
14	H	836	CLA	C4B-NB	-2.16	1.35	1.37
14	a	812	CLA	C1A-CHA	2.16	1.52	1.43
14	A	832	CLA	C1D-C2D	2.16	1.49	1.45
14	H	829	CLA	C4C-C3C	2.16	1.48	1.45
14	Q	202	CLA	C3B-C4B	2.16	1.49	1.42
14	G	812	CLA	C1A-CHA	2.16	1.52	1.43
14	A	822	CLA	C1D-C2D	2.16	1.49	1.45
14	H	825	CLA	C1D-C2D	2.16	1.49	1.45
14	A	840	CLA	C1A-CHA	2.16	1.52	1.43
14	a	824	CLA	C3B-C4B	2.16	1.49	1.42
14	a	809	CLA	C1D-C2D	2.16	1.49	1.45
14	G	822	CLA	C4C-C3C	2.16	1.48	1.45
14	a	817	CLA	C1A-CHA	2.16	1.52	1.43
14	A	812	CLA	C1A-CHA	2.15	1.52	1.43
14	a	835	CLA	C1D-C2D	2.15	1.49	1.45
14	a	808	CLA	C1A-CHA	2.15	1.52	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	814	CLA	C4C-C3C	2.15	1.48	1.45
14	a	842	CLA	C4C-C3C	2.15	1.48	1.45
14	b	834	CLA	C1A-CHA	2.15	1.52	1.43
14	G	816	CLA	C4C-C3C	2.15	1.48	1.45
14	G	803	CLA	C3B-C4B	2.15	1.49	1.42
14	A	825	CLA	C1D-C2D	2.15	1.49	1.45
14	A	834	CLA	C1A-CHA	2.15	1.51	1.43
14	A	823	CLA	C1A-CHA	2.15	1.51	1.43
14	B	818	CLA	C1A-CHA	2.15	1.51	1.43
14	a	816	CLA	C1A-CHA	2.15	1.51	1.43
14	B	809	CLA	C1A-CHA	2.15	1.51	1.43
14	G	835	CLA	C1A-CHA	2.15	1.51	1.43
14	b	840	CLA	C4B-NB	-2.15	1.35	1.37
14	a	838	CLA	C1D-C2D	2.15	1.49	1.45
14	H	830	CLA	C1A-CHA	2.14	1.51	1.43
14	H	842	CLA	C4B-NB	-2.14	1.35	1.37
14	a	810	CLA	C1A-CHA	2.14	1.51	1.43
14	H	821	CLA	C1A-CHA	2.14	1.51	1.43
14	G	812	CLA	C1D-C2D	2.14	1.49	1.45
14	B	828	CLA	C1A-CHA	2.14	1.51	1.43
14	a	824	CLA	C1A-CHA	2.14	1.51	1.43
14	H	828	CLA	C1A-CHA	2.14	1.51	1.43
14	a	835	CLA	C1A-CHA	2.14	1.51	1.43
14	H	836	CLA	C1A-CHA	2.14	1.51	1.43
14	G	804	CLA	C1D-C2D	2.14	1.49	1.45
14	b	810	CLA	C1A-CHA	2.14	1.51	1.43
14	b	839	CLA	C1D-C2D	2.14	1.49	1.45
14	H	808	CLA	CBD-CAD	-2.14	1.46	1.56
14	A	816	CLA	C4C-C3C	2.14	1.48	1.45
14	H	813	CLA	C1A-CHA	2.14	1.51	1.43
14	a	822	CLA	C4C-C3C	2.14	1.48	1.45
14	a	821	CLA	C4C-C3C	2.14	1.48	1.45
14	A	835	CLA	C1A-CHA	2.14	1.51	1.43
14	H	834	CLA	C4C-C3C	2.14	1.48	1.45
14	A	805	CLA	C1D-C2D	2.14	1.49	1.45
14	B	821	CLA	C3B-C4B	2.14	1.49	1.42
14	Q	202	CLA	C4B-NB	-2.14	1.35	1.37
14	G	830	CLA	C1A-CHA	2.14	1.51	1.43
14	a	830	CLA	C1A-CHA	2.14	1.51	1.43
14	b	819	CLA	C1C-C2C	2.13	1.48	1.44
14	H	839	CLA	C4C-C3C	2.13	1.48	1.45
14	H	813	CLA	C3B-C4B	2.13	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	834	CLA	C1A-CHA	2.13	1.51	1.43
14	H	818	CLA	C1A-CHA	2.13	1.51	1.43
14	G	830	CLA	C1D-C2D	2.13	1.49	1.45
14	B	842	CLA	C4B-NB	-2.13	1.35	1.37
14	L	201	CLA	C1A-CHA	2.13	1.51	1.43
14	S	101	CLA	C1C-NC	-2.13	1.34	1.37
14	H	809	CLA	C1A-CHA	2.13	1.51	1.43
14	B	842	CLA	C1D-C2D	2.13	1.49	1.45
14	G	819	CLA	C1A-CHA	2.13	1.51	1.43
14	A	808	CLA	C1A-CHA	2.13	1.51	1.43
14	a	803	CLA	C3B-C4B	2.13	1.48	1.42
14	a	825	CLA	C1A-CHA	2.13	1.51	1.43
14	G	824	CLA	C1A-CHA	2.13	1.51	1.43
14	a	816	CLA	C4C-C3C	2.13	1.48	1.45
14	G	808	CLA	C1A-CHA	2.13	1.51	1.43
14	L	205	CLA	C4C-C3C	2.13	1.48	1.45
14	a	830	CLA	C1D-C2D	2.13	1.49	1.45
14	G	816	CLA	C1A-CHA	2.13	1.51	1.43
14	a	841	CLA	C1A-CHA	2.13	1.51	1.43
14	B	813	CLA	C3B-C4B	2.13	1.48	1.42
14	B	831	CLA	C4C-C3C	2.13	1.48	1.45
14	b	824	CLA	C4C-C3C	2.12	1.48	1.45
14	b	816	CLA	C4B-NB	-2.12	1.35	1.37
14	G	840	CLA	C1A-CHA	2.12	1.51	1.43
14	a	834	CLA	C1A-CHA	2.12	1.51	1.43
14	R	101	CLA	C1A-CHA	2.12	1.51	1.43
14	G	805	CLA	C1D-C2D	2.12	1.49	1.45
14	b	828	CLA	C1D-C2D	2.12	1.49	1.45
14	B	819	CLA	C4B-NB	-2.12	1.35	1.37
14	G	813	CLA	C1D-C2D	2.12	1.49	1.45
14	b	810	CLA	C3B-C4B	2.12	1.48	1.42
14	b	806	CLA	C1A-CHA	2.12	1.51	1.43
14	H	827	CLA	C1D-C2D	2.12	1.49	1.45
14	W	1701	CLA	C4B-NB	-2.12	1.35	1.37
14	A	820	CLA	C3B-C4B	2.12	1.48	1.42
14	b	838	CLA	C4C-C3C	2.12	1.48	1.45
14	G	822	CLA	C1A-CHA	2.12	1.51	1.43
14	a	824	CLA	C4B-NB	-2.12	1.35	1.37
14	U	201	CLA	C1A-CHA	2.12	1.51	1.43
14	G	839	CLA	C4C-C3C	2.12	1.48	1.45
14	a	822	CLA	C1A-CHA	2.12	1.51	1.43
14	B	816	CLA	C1D-ND	-2.12	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	1301	CLA	C3B-C4B	2.12	1.48	1.42
14	G	816	CLA	C3B-C4B	2.12	1.48	1.42
14	b	821	CLA	C1C-C2C	2.12	1.48	1.44
14	B	841	CLA	C1A-CHA	2.12	1.51	1.43
14	a	821	CLA	C1D-C2D	2.12	1.49	1.45
14	A	833	CLA	C4C-C3C	2.12	1.48	1.45
14	G	835	CLA	C1D-C2D	2.12	1.49	1.45
14	B	835	CLA	C4B-NB	-2.11	1.35	1.37
14	b	814	CLA	C1D-C2D	2.11	1.49	1.45
14	b	837	CLA	C4C-C3C	2.11	1.48	1.45
14	G	832	CLA	C1A-CHA	2.11	1.51	1.43
14	B	804	CLA	C3B-C4B	2.11	1.48	1.42
14	A	830	CLA	C1A-CHA	2.11	1.51	1.43
14	b	801	CLA	C3B-C4B	2.11	1.48	1.42
14	G	827	CLA	C1A-CHA	2.11	1.51	1.43
14	A	816	CLA	C4B-NB	-2.11	1.35	1.37
14	a	833	CLA	C1A-CHA	2.11	1.51	1.43
14	b	815	CLA	C1A-CHA	2.11	1.51	1.43
14	B	817	CLA	C4C-C3C	2.11	1.48	1.45
14	A	819	CLA	C1A-CHA	2.11	1.51	1.43
14	Q	201	CLA	C1A-CHA	2.11	1.51	1.43
14	a	838	CLA	C4C-C3C	2.11	1.48	1.45
14	B	838	CLA	C1D-C2D	2.11	1.49	1.45
14	A	834	CLA	C4C-C3C	2.11	1.48	1.45
14	B	822	CLA	C4C-C3C	2.11	1.48	1.45
14	b	825	CLA	C1A-CHA	2.11	1.51	1.43
14	H	833	CLA	C1A-CHA	2.11	1.51	1.43
14	G	836	CLA	C1D-C2D	2.11	1.49	1.45
14	G	806	CLA	C4C-C3C	2.11	1.48	1.45
14	a	813	CLA	C4C-C3C	2.11	1.48	1.45
14	j	1301	CLA	C4C-C3C	2.11	1.48	1.45
14	A	834	CLA	C1C-NC	-2.11	1.34	1.37
14	G	809	CLA	C1D-C2D	2.11	1.49	1.45
14	B	801	CLA	C3B-C4B	2.11	1.48	1.42
14	H	815	CLA	C1A-CHA	2.11	1.51	1.43
14	A	833	CLA	C1A-CHA	2.11	1.51	1.43
14	B	807	CLA	C1A-CHA	2.11	1.51	1.43
14	X	1701	CLA	C4B-NB	-2.11	1.35	1.37
14	G	823	CLA	C4C-C3C	2.11	1.48	1.45
14	L	204	CLA	C4C-C3C	2.11	1.48	1.45
14	B	825	CLA	C4C-C3C	2.11	1.48	1.45
14	A	839	CLA	C4C-C3C	2.11	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	828	CLA	C4C-C3C	2.11	1.48	1.45
14	G	823	CLA	C1A-CHA	2.10	1.51	1.43
14	b	830	CLA	C1A-CHA	2.10	1.51	1.43
14	a	840	CLA	C4C-C3C	2.10	1.48	1.45
14	a	806	CLA	C4C-C3C	2.10	1.48	1.45
14	a	827	CLA	C4C-C3C	2.10	1.48	1.45
14	A	814	CLA	C1A-CHA	2.10	1.51	1.43
14	B	833	CLA	C1A-CHA	2.10	1.51	1.43
14	a	840	CLA	C1D-C2D	2.10	1.49	1.45
14	a	839	CLA	C1A-CHA	2.10	1.51	1.43
14	A	824	CLA	C4C-C3C	2.10	1.48	1.45
14	b	840	CLA	C1D-C2D	2.10	1.49	1.45
14	B	811	CLA	C4C-C3C	2.10	1.48	1.45
14	A	803	CLA	C3B-C4B	2.10	1.48	1.42
14	a	819	CLA	C1A-CHA	2.10	1.51	1.43
14	B	839	CLA	C4C-C3C	2.10	1.48	1.45
14	G	838	CLA	C1A-CHA	2.10	1.51	1.43
14	U	206	CLA	C1A-CHA	2.10	1.51	1.43
14	G	841	CLA	C4C-C3C	2.10	1.48	1.45
14	a	823	CLA	C1A-CHA	2.10	1.51	1.43
14	A	809	CLA	C1D-C2D	2.10	1.49	1.45
14	H	835	CLA	C4C-C3C	2.10	1.48	1.45
14	A	838	CLA	C1A-CHA	2.10	1.51	1.43
14	a	814	CLA	C1A-CHA	2.10	1.51	1.43
14	H	841	CLA	C1A-CHA	2.10	1.51	1.43
14	b	817	CLA	C3B-C4B	2.10	1.48	1.42
14	A	806	CLA	C4C-C3C	2.10	1.48	1.45
14	B	809	CLA	C1D-C2D	2.10	1.49	1.45
14	B	829	CLA	C1A-CHA	2.10	1.51	1.43
14	A	825	CLA	C1A-CHA	2.10	1.51	1.43
14	b	802	CLA	C1D-C2D	2.09	1.49	1.45
14	H	822	CLA	C4C-C3C	2.09	1.48	1.45
14	B	837	CLA	C1A-CHA	2.09	1.51	1.43
14	B	815	CLA	C1A-CHA	2.09	1.51	1.43
14	G	814	CLA	C1A-CHA	2.09	1.51	1.43
14	A	817	CLA	C3B-C4B	2.09	1.48	1.42
14	G	802	CLA	C1A-CHA	2.09	1.51	1.43
14	a	852	CLA	C3B-C4B	2.09	1.48	1.42
14	B	803	CLA	C1A-CHA	2.09	1.51	1.43
14	B	808	CLA	C1D-C2D	2.09	1.49	1.45
14	j	1301	CLA	C1C-C2C	2.09	1.48	1.44
14	A	813	CLA	C1A-CHA	2.09	1.51	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	808	CLA	C1D-C2D	2.09	1.49	1.45
14	x	1701	CLA	C3B-C4B	2.09	1.48	1.42
14	G	818	CLA	C1D-C2D	2.09	1.49	1.45
14	b	814	CLA	C4C-C3C	2.09	1.48	1.45
14	b	824	CLA	C1D-C2D	2.09	1.49	1.45
14	A	802	CLA	C4C-C3C	2.09	1.48	1.45
14	H	804	CLA	C3B-C4B	2.09	1.48	1.42
14	b	814	CLA	C1A-CHA	2.09	1.51	1.43
14	G	829	CLA	C1D-C2D	2.09	1.49	1.45
14	a	827	CLA	C1A-CHA	2.09	1.51	1.43
14	B	813	CLA	C1A-CHA	2.09	1.51	1.43
14	b	831	CLA	C1A-CHA	2.09	1.51	1.43
14	H	829	CLA	C1A-CHA	2.09	1.51	1.43
14	H	837	CLA	C1A-CHA	2.09	1.51	1.43
14	A	827	CLA	C1A-CHA	2.08	1.51	1.43
14	a	813	CLA	C1A-CHA	2.08	1.51	1.43
14	H	817	CLA	C1A-CHA	2.08	1.51	1.43
14	b	826	CLA	C1A-CHA	2.08	1.51	1.43
14	B	817	CLA	C1A-CHA	2.08	1.51	1.43
14	b	833	CLA	C4C-C3C	2.08	1.48	1.45
14	A	813	CLA	C3B-C4B	2.08	1.48	1.42
14	b	817	CLA	C4C-C3C	2.08	1.48	1.45
14	a	832	CLA	C1A-CHA	2.08	1.51	1.43
14	G	813	CLA	C1C-C2C	2.08	1.48	1.44
14	X	1701	CLA	C1D-C2D	2.08	1.49	1.45
14	F	201	CLA	C1A-CHA	2.08	1.51	1.43
14	H	820	CLA	C4C-C3C	2.08	1.48	1.45
14	L	206	CLA	C3B-C4B	2.08	1.48	1.42
14	A	832	CLA	C1A-CHA	2.08	1.51	1.43
14	a	815	CLA	C4B-NB	-2.08	1.35	1.37
14	a	831	CLA	C4C-C3C	2.08	1.48	1.45
14	b	839	CLA	C4C-C3C	2.08	1.48	1.45
14	G	839	CLA	C1D-C2D	2.08	1.49	1.45
14	a	836	CLA	C1D-C2D	2.08	1.49	1.45
14	A	836	CLA	C1D-C2D	2.08	1.49	1.45
14	A	810	CLA	C1A-CHA	2.08	1.51	1.43
14	a	805	CLA	C1D-C2D	2.07	1.49	1.45
14	H	820	CLA	C3B-C4B	2.07	1.48	1.42
14	B	824	CLA	C4C-C3C	2.07	1.48	1.45
14	G	825	CLA	C1A-CHA	2.07	1.51	1.43
14	G	815	CLA	C1A-CHA	2.07	1.51	1.43
14	T	101	CLA	C3B-C4B	2.07	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	814	CLA	C4B-NB	-2.07	1.35	1.37
14	A	852	CLA	C3B-C4B	2.07	1.48	1.42
14	a	813	CLA	C3B-C4B	2.07	1.48	1.42
14	J	1301	CLA	C3B-C4B	2.07	1.48	1.42
14	G	802	CLA	C4C-C3C	2.07	1.48	1.45
14	H	830	CLA	C1D-C2D	2.07	1.49	1.45
14	B	820	CLA	C4C-C3C	2.07	1.48	1.45
14	G	837	CLA	C1A-CHA	2.07	1.51	1.43
14	H	821	CLA	C3B-C4B	2.07	1.48	1.42
14	A	822	CLA	C1A-CHA	2.07	1.51	1.43
14	G	833	CLA	C1A-CHA	2.07	1.51	1.43
14	A	834	CLA	C3B-C4B	2.07	1.48	1.42
14	b	833	CLA	C1A-CHA	2.07	1.51	1.43
14	B	820	CLA	C3B-C4B	2.07	1.48	1.42
14	a	825	CLA	C3B-C4B	2.07	1.48	1.42
14	H	817	CLA	C4C-C3C	2.07	1.48	1.45
14	l	205	CLA	C3B-C4B	2.07	1.48	1.42
14	b	801	CLA	C1A-CHA	2.07	1.51	1.43
14	b	810	CLA	C4C-C3C	2.07	1.48	1.45
14	b	835	CLA	C1A-CHA	2.07	1.51	1.43
14	U	207	CLA	C1A-CHA	2.06	1.51	1.43
14	A	841	CLA	C1A-CHA	2.06	1.51	1.43
14	A	838	CLA	C4C-C3C	2.06	1.48	1.45
14	a	823	CLA	C4C-C3C	2.06	1.48	1.45
14	H	838	CLA	C1A-CHA	2.06	1.51	1.43
14	A	802	CLA	C1A-CHA	2.06	1.51	1.43
14	G	829	CLA	C1A-CHA	2.06	1.51	1.43
14	A	805	CLA	C4B-NB	-2.06	1.35	1.37
14	H	802	CLA	C1D-C2D	2.06	1.49	1.45
14	a	802	CLA	C4C-C3C	2.06	1.48	1.45
14	J	1301	CLA	C4C-C3C	2.06	1.48	1.45
14	A	824	CLA	C1A-CHA	2.06	1.51	1.43
14	H	803	CLA	C1A-CHA	2.06	1.51	1.43
14	a	834	CLA	C4C-C3C	2.06	1.48	1.45
14	B	835	CLA	C1A-CHA	2.06	1.51	1.43
14	b	801	CLA	CMD-C2D	-2.06	1.46	1.50
14	a	835	CLA	C4C-C3C	2.06	1.48	1.45
14	b	809	CLA	C1A-CHA	2.06	1.51	1.43
14	b	811	CLA	C1A-CHA	2.06	1.51	1.43
14	L	205	CLA	C1A-CHA	2.06	1.51	1.43
14	G	833	CLA	C4C-C3C	2.06	1.48	1.45
14	G	824	CLA	C4B-NB	-2.06	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	822	CLA	C3B-C2B	2.06	1.48	1.41
14	H	840	CLA	C4C-C3C	2.06	1.48	1.45
14	B	812	CLA	C1A-CHA	2.06	1.51	1.43
14	A	825	CLA	C3B-C4B	2.06	1.48	1.42
14	B	840	CLA	C4C-C3C	2.06	1.48	1.45
14	H	811	CLA	C1A-CHA	2.06	1.51	1.43
14	a	840	CLA	C1A-CHA	2.06	1.51	1.43
14	H	816	CLA	C1A-CHA	2.06	1.51	1.43
14	a	816	CLA	C3B-C4B	2.05	1.48	1.42
14	B	819	CLA	C1A-CHA	2.05	1.51	1.43
14	b	812	CLA	C1A-CHA	2.05	1.51	1.43
14	b	804	CLA	C1A-CHA	2.05	1.51	1.43
14	A	824	CLA	C4B-NB	-2.05	1.35	1.37
14	a	837	CLA	C1A-CHA	2.05	1.51	1.43
14	l	204	CLA	C1A-CHA	2.05	1.51	1.43
14	T	101	CLA	C1A-CHA	2.05	1.51	1.43
14	B	827	CLA	C3B-C4B	2.05	1.48	1.42
14	G	839	CLA	C1A-CHA	2.05	1.51	1.43
14	a	833	CLA	C1D-C2D	2.05	1.49	1.45
14	A	839	CLA	C4B-NB	-2.05	1.35	1.37
14	L	201	CLA	C3B-C4B	2.05	1.48	1.42
14	U	207	CLA	C3B-C4B	2.05	1.48	1.42
13	A	801	CL0	C4C-C3C	2.05	1.48	1.45
14	H	812	CLA	C1A-CHA	2.05	1.51	1.43
14	a	838	CLA	C3B-C4B	2.05	1.48	1.42
14	B	802	CLA	C1D-C2D	2.05	1.49	1.45
14	W	1701	CLA	C1D-C2D	2.05	1.49	1.45
14	b	808	CLA	C1A-CHA	2.05	1.51	1.43
14	H	805	CLA	C1A-CHA	2.05	1.51	1.43
14	G	834	CLA	C4C-C3C	2.05	1.48	1.45
14	b	801	CLA	C4C-C3C	2.05	1.48	1.45
14	J	1302	CLA	C1C-NC	-2.05	1.34	1.37
14	b	829	CLA	C1D-C2D	2.05	1.49	1.45
14	a	836	CLA	C4C-C3C	2.05	1.48	1.45
14	A	841	CLA	C3B-C4B	2.05	1.48	1.42
14	A	820	CLA	C1C-C2C	2.05	1.48	1.44
14	H	825	CLA	C3B-C2B	2.05	1.48	1.41
14	B	822	CLA	C1C-C2C	2.05	1.48	1.44
14	L	206	CLA	C1A-CHA	2.05	1.51	1.43
14	H	801	CLA	C3B-C4B	2.05	1.48	1.42
14	H	841	CLA	C4C-C3C	2.05	1.48	1.45
14	G	839	CLA	C4B-NB	-2.04	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	805	CLA	C1D-C2D	2.04	1.49	1.45
14	b	839	CLA	C3B-C4B	2.04	1.48	1.42
14	B	830	CLA	C1D-C2D	2.04	1.49	1.45
14	G	832	CLA	C1D-C2D	2.04	1.49	1.45
14	H	832	CLA	C1A-CHA	2.04	1.51	1.43
14	A	831	CLA	C4C-C3C	2.04	1.48	1.45
14	a	814	CLA	C4C-C3C	2.04	1.48	1.45
14	b	833	CLA	C1D-C2D	2.04	1.49	1.45
14	H	809	CLA	C1D-C2D	2.04	1.49	1.45
14	G	813	CLA	C3B-C4B	2.04	1.48	1.42
14	b	828	CLA	C3B-C4B	2.04	1.48	1.42
14	k	101	CLA	C3B-C4B	2.04	1.48	1.42
14	b	829	CLA	C1B-C2B	2.04	1.47	1.43
14	A	815	CLA	C3B-C4B	2.04	1.48	1.42
14	b	813	CLA	C1A-CHA	2.04	1.51	1.43
14	B	825	CLA	C3B-C2B	2.04	1.48	1.41
14	m	1201	CLA	C1A-CHA	2.04	1.51	1.43
14	H	808	CLA	C3B-C4B	2.04	1.48	1.42
14	A	840	CLA	C4C-C3C	2.04	1.48	1.45
14	G	831	CLA	C4C-C3C	2.04	1.48	1.45
14	a	840	CLA	C4B-NB	-2.04	1.35	1.37
14	k	101	CLA	C1A-CHA	2.04	1.51	1.43
14	H	824	CLA	C4C-C3C	2.04	1.48	1.45
14	H	839	CLA	C3B-C4B	2.04	1.48	1.42
14	B	805	CLA	C1A-CHA	2.04	1.51	1.43
14	b	803	CLA	C1A-CHA	2.04	1.51	1.43
14	a	829	CLA	C1D-C2D	2.04	1.49	1.45
14	B	826	CLA	C3B-C4B	2.04	1.48	1.42
14	B	813	CLA	C4C-C3C	2.03	1.48	1.45
14	a	807	CLA	C1D-C2D	2.03	1.49	1.45
14	J	1301	CLA	C1C-C2C	2.03	1.48	1.44
14	a	841	CLA	C4C-C3C	2.03	1.48	1.45
14	a	820	CLA	C3B-C4B	2.03	1.48	1.42
14	B	835	CLA	C4C-C3C	2.03	1.48	1.45
14	H	805	CLA	C1C-C2C	2.03	1.48	1.44
14	B	801	CLA	C4C-C3C	2.03	1.48	1.45
14	B	803	CLA	C4C-C3C	2.03	1.48	1.45
14	B	841	CLA	C4C-C3C	2.03	1.48	1.45
14	A	835	CLA	C1D-C2D	2.03	1.49	1.45
14	B	801	CLA	C1A-CHA	2.03	1.51	1.43
14	J	1303	CLA	C1A-CHA	2.03	1.51	1.43
14	A	830	CLA	C3B-C4B	2.03	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	837	CLA	C1A-CHA	2.03	1.51	1.43
14	A	842	CLA	C4C-C3C	2.03	1.48	1.45
14	R	101	CLA	C3B-C4B	2.03	1.48	1.42
14	H	822	CLA	C1C-C2C	2.03	1.48	1.44
16	B	848	BCR	C30-C25	-2.03	1.51	1.53
14	G	819	CLA	C3B-C4B	2.03	1.48	1.42
14	B	808	CLA	C3B-C4B	2.03	1.48	1.42
14	B	801	CLA	C4B-NB	-2.03	1.35	1.37
14	S	101	CLA	C3B-C4B	2.02	1.48	1.42
14	j	1303	CLA	C1A-CHA	2.02	1.51	1.43
14	H	831	CLA	C1A-CHA	2.02	1.51	1.43
14	H	807	CLA	C1A-CHA	2.02	1.51	1.43
14	A	820	CLA	C1A-CHA	2.02	1.51	1.43
14	A	821	CLA	C4C-C3C	2.02	1.48	1.45
14	B	811	CLA	C1A-CHA	2.02	1.51	1.43
14	G	807	CLA	C1D-C2D	2.02	1.49	1.45
14	H	835	CLA	C1A-CHA	2.02	1.51	1.43
14	G	836	CLA	C4C-C3C	2.02	1.48	1.45
14	a	819	CLA	C3B-C4B	2.02	1.48	1.42
14	H	814	CLA	C1A-CHA	2.02	1.51	1.43
14	G	812	CLA	C1C-C2C	2.02	1.48	1.44
14	A	804	CLA	C1D-C2D	2.02	1.49	1.45
14	G	810	CLA	C1A-CHA	2.02	1.51	1.43
14	B	838	CLA	C3B-C4B	2.02	1.48	1.42
14	A	830	CLA	C4C-C3C	2.02	1.48	1.45
14	l	205	CLA	C1A-CHA	2.02	1.51	1.43
14	H	841	CLA	C3B-C4B	2.02	1.48	1.42
14	b	803	CLA	C3B-C4B	2.02	1.48	1.42
14	M	1601	CLA	C1C-C2C	2.02	1.48	1.44
14	A	839	CLA	C1A-CHA	2.02	1.51	1.43
14	U	206	CLA	C4C-C3C	2.02	1.48	1.45
14	H	815	CLA	C3B-C4B	2.02	1.48	1.42
14	U	201	CLA	C3B-C4B	2.02	1.48	1.42
14	b	818	CLA	C3B-C4B	2.02	1.48	1.42
14	H	809	CLA	C3B-C4B	2.01	1.48	1.42
14	G	817	CLA	C1A-CHA	2.01	1.51	1.43
14	a	820	CLA	C1A-CHA	2.01	1.51	1.43
14	A	829	CLA	C1A-CHA	2.01	1.51	1.43
14	U	207	CLA	C4C-C3C	2.01	1.48	1.45
14	G	802	CLA	C1D-C2D	2.01	1.49	1.45
14	G	820	CLA	C1A-CHA	2.01	1.51	1.43
14	B	827	CLA	C1A-CHA	2.01	1.51	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	839	CLA	C4B-NB	-2.01	1.35	1.37
14	S	102	CLA	C1A-CHA	2.01	1.51	1.43
14	m	1202	CLA	C1D-C2D	2.01	1.49	1.45
14	b	816	CLA	C1A-CHA	2.01	1.51	1.43
14	G	810	CLA	C4C-C3C	2.01	1.48	1.45
14	a	802	CLA	C1A-CHA	2.01	1.51	1.43
14	A	826	CLA	C1A-CHA	2.01	1.51	1.43
14	b	803	CLA	C4C-C3C	2.01	1.48	1.45
14	G	803	CLA	C1C-C2C	2.01	1.48	1.44
14	H	801	CLA	C1C-C2C	2.01	1.48	1.44
14	G	820	CLA	C3B-C4B	2.01	1.48	1.42
14	A	812	CLA	C3B-C4B	2.01	1.48	1.42
14	b	821	CLA	C1A-CHA	2.01	1.51	1.43
14	B	815	CLA	C3B-C4B	2.01	1.48	1.42
14	G	840	CLA	C4C-C3C	2.01	1.48	1.45
14	H	819	CLA	C1A-CHA	2.01	1.51	1.43
14	J	1302	CLA	C3B-C4B	2.01	1.48	1.42
14	k	102	CLA	C3B-C4B	2.01	1.48	1.42
14	B	831	CLA	C3B-C4B	2.01	1.48	1.42
14	b	822	CLA	C3B-C4B	2.01	1.48	1.42
14	j	1302	CLA	C3B-C4B	2.01	1.48	1.42
14	x	1701	CLA	C1D-C2D	2.01	1.49	1.45
14	G	806	CLA	C3B-C4B	2.01	1.48	1.42
14	H	826	CLA	CHB-C4A	-2.01	1.32	1.37
14	H	803	CLA	C3B-C4B	2.01	1.48	1.42
14	A	826	CLA	C1D-C2D	2.01	1.49	1.45
14	a	829	CLA	C1A-CHA	2.00	1.51	1.43
14	B	841	CLA	C3B-C4B	2.00	1.48	1.42
14	b	802	CLA	C3B-C4B	2.00	1.48	1.42
14	G	825	CLA	C3B-C4B	2.00	1.48	1.42
13	A	801	CL0	CMD-C2D	-2.00	1.46	1.50
14	G	830	CLA	C4C-C3C	2.00	1.48	1.45
14	H	801	CLA	CHB-C4A	-2.00	1.32	1.37
14	b	824	CLA	C3B-C4B	2.00	1.48	1.42
14	L	201	CLA	C1D-C2D	2.00	1.49	1.45
14	G	812	CLA	C3B-C4B	2.00	1.48	1.42

All (9188) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	848	BCR	C20-C21-C22	23.64	160.43	127.28
16	A	849	BCR	C20-C21-C22	23.62	160.41	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	848	BCR	C16-C17-C18	23.54	160.29	127.28
16	A	849	BCR	C16-C17-C18	23.43	160.14	127.28
16	a	849	BCR	C20-C21-C22	23.41	160.11	127.28
16	B	847	BCR	C16-C17-C18	23.41	160.10	127.28
16	b	845	BCR	C16-C17-C18	23.38	160.07	127.28
16	a	849	BCR	C16-C17-C18	23.28	159.93	127.28
16	b	848	BCR	C20-C21-C22	23.19	159.80	127.28
16	H	847	BCR	C16-C17-C18	23.11	159.69	127.28
16	H	850	BCR	C20-C21-C22	23.07	159.63	127.28
16	B	850	BCR	C20-C21-C22	23.03	159.58	127.28
16	J	1305	BCR	C20-C21-C22	22.70	159.11	127.28
16	R	102	BCR	C20-C21-C22	22.64	159.03	127.28
16	j	1305	BCR	C20-C21-C22	22.64	159.03	127.28
16	S	104	BCR	C20-C21-C22	22.60	158.98	127.28
16	i	101	BCR	C20-C21-C22	22.50	158.83	127.28
16	I	101	BCR	C20-C21-C22	22.36	158.63	127.28
16	H	852	BCR	C20-C21-C22	22.36	158.63	127.28
16	S	103	BCR	C20-C21-C22	22.28	158.53	127.28
16	j	1304	BCR	C20-C21-C22	22.19	158.40	127.28
16	J	1304	BCR	C20-C21-C22	22.16	158.36	127.28
16	G	846	BCR	C20-C21-C22	22.14	158.32	127.28
16	A	847	BCR	C20-C21-C22	22.12	158.30	127.28
16	a	847	BCR	C20-C21-C22	22.09	158.26	127.28
16	H	845	BCR	C20-C21-C22	21.93	158.03	127.28
16	j	1305	BCR	C16-C17-C18	21.92	158.02	127.28
16	b	843	BCR	C20-C21-C22	21.83	157.89	127.28
16	S	104	BCR	C16-C17-C18	21.80	157.85	127.28
16	B	845	BCR	C20-C21-C22	21.78	157.83	127.28
16	B	852	BCR	C20-C21-C22	21.78	157.82	127.28
16	b	842	BCR	C20-C21-C22	21.71	157.73	127.28
16	B	844	BCR	C20-C21-C22	21.68	157.68	127.28
16	S	104	BCR	C15-C16-C17	21.66	167.85	123.52
16	H	844	BCR	C20-C21-C22	21.61	157.58	127.28
16	J	1305	BCR	C16-C17-C18	21.56	157.51	127.28
16	H	852	BCR	C15-C16-C17	21.54	167.59	123.52
16	b	847	BCR	C20-C21-C22	21.50	157.43	127.28
16	j	1305	BCR	C15-C16-C17	21.47	167.45	123.52
16	B	849	BCR	C20-C21-C22	21.45	157.36	127.28
16	b	850	BCR	C15-C16-C17	21.40	167.32	123.52
16	b	847	BCR	C15-C16-C17	21.34	167.18	123.52
16	B	849	BCR	C15-C16-C17	21.33	167.17	123.52
16	B	852	BCR	C15-C16-C17	21.32	167.14	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	S	103	BCR	C15-C16-C17	21.32	167.14	123.52
16	j	1304	BCR	C15-C16-C17	21.31	167.13	123.52
16	J	1304	BCR	C15-C16-C17	21.31	167.12	123.52
16	J	1305	BCR	C15-C16-C17	21.31	167.11	123.52
16	G	843	BCR	C16-C17-C18	21.30	157.15	127.28
16	H	849	BCR	C15-C16-C17	21.29	167.08	123.52
16	H	849	BCR	C20-C21-C22	21.28	157.12	127.28
16	M	1602	BCR	C20-C21-C22	21.21	157.02	127.28
16	m	1203	BCR	C20-C21-C22	21.17	156.97	127.28
16	U	208	BCR	C20-C21-C22	21.16	156.95	127.28
16	m	1203	BCR	C16-C17-C18	21.13	156.91	127.28
16	A	845	BCR	C15-C16-C17	21.12	166.73	123.52
16	B	846	BCR	C20-C21-C22	21.09	156.85	127.28
16	M	1602	BCR	C16-C17-C18	21.09	156.85	127.28
16	a	844	BCR	C20-C21-C22	21.08	156.84	127.28
16	A	844	BCR	C16-C17-C18	21.07	156.82	127.28
16	B	848	BCR	C16-C17-C18	21.05	156.81	127.28
16	G	844	BCR	C15-C16-C17	21.04	166.57	123.52
16	a	845	BCR	C15-C16-C17	21.04	166.57	123.52
16	b	850	BCR	C20-C21-C22	21.03	156.76	127.28
16	V	1602	BCR	C20-C21-C22	21.00	156.73	127.28
16	b	846	BCR	C16-C17-C18	20.97	156.69	127.28
16	b	844	BCR	C20-C21-C22	20.95	156.66	127.28
16	b	846	BCR	C20-C21-C22	20.93	156.64	127.28
16	H	848	BCR	C16-C17-C18	20.93	156.63	127.28
16	G	847	BCR	C15-C16-C17	20.92	166.33	123.52
16	A	846	BCR	C20-C21-C22	20.89	156.58	127.28
16	H	846	BCR	C20-C21-C22	20.87	156.55	127.28
16	A	847	BCR	C15-C16-C17	20.81	166.11	123.52
16	H	848	BCR	C20-C21-C22	20.81	156.46	127.28
16	a	848	BCR	C15-C16-C17	20.78	166.04	123.52
16	B	848	BCR	C20-C21-C22	20.75	156.38	127.28
16	L	207	BCR	C20-C21-C22	20.75	156.38	127.28
16	a	844	BCR	C16-C17-C18	20.74	156.36	127.28
16	G	845	BCR	C20-C21-C22	20.72	156.34	127.28
16	A	844	BCR	C20-C21-C22	20.71	156.32	127.28
16	a	846	BCR	C20-C21-C22	20.70	156.30	127.28
16	A	848	BCR	C15-C16-C17	20.69	165.86	123.52
16	H	850	BCR	C15-C16-C17	20.68	165.84	123.52
16	b	842	BCR	C16-C17-C18	20.65	156.24	127.28
16	A	845	BCR	C20-C21-C22	20.65	156.24	127.28
16	a	847	BCR	C15-C16-C17	20.65	165.76	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	L	202	BCR	C15-C16-C17	20.63	165.73	123.52
16	b	848	BCR	C15-C16-C17	20.62	165.72	123.52
16	G	843	BCR	C20-C21-C22	20.61	156.18	127.28
16	V	1602	BCR	C16-C17-C18	20.60	156.18	127.28
16	Q	203	BCR	C15-C16-C17	20.60	165.67	123.52
16	G	846	BCR	C15-C16-C17	20.59	165.66	123.52
16	l	201	BCR	C15-C16-C17	20.59	165.66	123.52
16	B	850	BCR	C15-C16-C17	20.59	165.65	123.52
16	A	846	BCR	C15-C16-C17	20.58	165.62	123.52
16	L	207	BCR	C15-C16-C17	20.56	165.60	123.52
16	U	202	BCR	C16-C17-C18	20.54	156.09	127.28
16	a	845	BCR	C20-C21-C22	20.53	156.07	127.28
16	B	844	BCR	C16-C17-C18	20.53	156.07	127.28
16	V	1602	BCR	C15-C16-C17	20.52	165.51	123.52
16	L	202	BCR	C16-C17-C18	20.51	156.04	127.28
16	M	1602	BCR	C15-C16-C17	20.50	165.47	123.52
16	F	202	BCR	C15-C16-C17	20.48	165.43	123.52
16	l	201	BCR	C16-C17-C18	20.47	155.98	127.28
16	U	208	BCR	C15-C16-C17	20.46	165.38	123.52
16	m	1203	BCR	C15-C16-C17	20.45	165.37	123.52
16	U	202	BCR	C15-C16-C17	20.45	165.37	123.52
16	G	847	BCR	C20-C21-C22	20.45	155.96	127.28
16	l	206	BCR	C15-C16-C17	20.45	165.36	123.52
16	G	845	BCR	C15-C16-C17	20.44	165.34	123.52
16	f	201	BCR	C15-C16-C17	20.43	165.33	123.52
16	B	845	BCR	C16-C17-C18	20.42	155.91	127.28
16	I	101	BCR	C16-C17-C18	20.42	155.91	127.28
16	a	846	BCR	C15-C16-C17	20.41	165.29	123.52
16	G	844	BCR	C20-C21-C22	20.38	155.87	127.28
16	A	847	BCR	C16-C17-C18	20.38	155.86	127.28
16	B	850	BCR	C16-C17-C18	20.38	155.86	127.28
16	L	209	BCR	C15-C16-C17	20.37	165.21	123.52
16	H	844	BCR	C16-C17-C18	20.37	155.84	127.28
16	b	843	BCR	C16-C17-C18	20.35	155.82	127.28
16	i	101	BCR	C16-C17-C18	20.35	155.81	127.28
16	a	848	BCR	C20-C21-C22	20.34	155.80	127.28
16	L	202	BCR	C20-C21-C22	20.32	155.77	127.28
16	U	203	BCR	C15-C16-C17	20.31	165.08	123.52
16	G	846	BCR	C16-C17-C18	20.29	155.74	127.28
16	H	850	BCR	C16-C17-C18	20.29	155.73	127.28
16	L	209	BCR	C20-C21-C22	20.28	155.72	127.28
16	R	102	BCR	C16-C17-C18	20.26	155.69	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	848	BCR	C20-C21-C22	20.23	155.66	127.28
16	l	206	BCR	C20-C21-C22	20.23	155.65	127.28
16	l	202	BCR	C15-C16-C17	20.22	164.90	123.52
16	l	201	BCR	C20-C21-C22	20.22	155.63	127.28
16	H	845	BCR	C16-C17-C18	20.22	155.63	127.28
16	a	847	BCR	C16-C17-C18	20.20	155.61	127.28
16	U	202	BCR	C20-C21-C22	20.20	155.60	127.28
16	b	848	BCR	C16-C17-C18	20.17	155.56	127.28
16	b	845	BCR	C20-C21-C22	20.16	155.55	127.28
16	l	202	BCR	C20-C21-C22	20.15	155.54	127.28
16	U	203	BCR	C20-C21-C22	20.14	155.53	127.28
16	B	846	BCR	C16-C17-C18	20.02	155.36	127.28
16	Q	203	BCR	C20-C21-C22	20.01	155.34	127.28
16	H	845	BCR	C15-C16-C17	19.98	164.40	123.52
16	i	101	BCR	C15-C16-C17	19.97	164.38	123.52
16	b	844	BCR	C15-C16-C17	19.96	164.36	123.52
16	H	846	BCR	C15-C16-C17	19.96	164.36	123.52
16	G	845	BCR	C16-C17-C18	19.95	155.26	127.28
16	b	843	BCR	C15-C16-C17	19.94	164.32	123.52
16	B	847	BCR	C20-C21-C22	19.91	155.20	127.28
16	f	201	BCR	C20-C21-C22	19.91	155.20	127.28
16	H	844	BCR	C15-C16-C17	19.91	164.25	123.52
16	B	846	BCR	C15-C16-C17	19.88	164.19	123.52
16	A	848	BCR	C16-C17-C18	19.87	155.15	127.28
16	B	845	BCR	C15-C16-C17	19.86	164.16	123.52
16	F	202	BCR	C20-C21-C22	19.86	155.13	127.28
16	H	846	BCR	C16-C17-C18	19.85	155.12	127.28
16	b	844	BCR	C16-C17-C18	19.84	155.10	127.28
16	I	101	BCR	C15-C16-C17	19.83	164.10	123.52
16	b	842	BCR	C15-C16-C17	19.83	164.10	123.52
16	a	846	BCR	C16-C17-C18	19.82	155.07	127.28
16	B	844	BCR	C15-C16-C17	19.81	164.05	123.52
16	H	847	BCR	C20-C21-C22	19.78	155.02	127.28
16	R	102	BCR	C15-C16-C17	19.75	163.94	123.52
16	G	847	BCR	C16-C17-C18	19.73	154.94	127.28
16	A	846	BCR	C16-C17-C18	19.70	154.91	127.28
16	a	848	BCR	C16-C17-C18	19.68	154.88	127.28
16	H	848	BCR	C15-C16-C17	19.68	163.78	123.52
16	b	846	BCR	C15-C16-C17	19.65	163.73	123.52
16	b	847	BCR	C16-C17-C18	19.63	154.81	127.28
16	B	849	BCR	C16-C17-C18	19.63	154.80	127.28
16	f	201	BCR	C16-C17-C18	19.57	154.73	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	848	BCR	C15-C16-C17	19.57	163.56	123.52
16	H	849	BCR	C16-C17-C18	19.56	154.71	127.28
16	Q	203	BCR	C16-C17-C18	19.55	154.69	127.28
16	F	202	BCR	C16-C17-C18	19.52	154.65	127.28
16	l	206	BCR	C16-C17-C18	19.51	154.64	127.28
16	U	208	BCR	C16-C17-C18	19.50	154.62	127.28
16	b	845	BCR	C15-C16-C17	19.48	163.37	123.52
16	H	847	BCR	C15-C16-C17	19.47	163.36	123.52
16	l	202	BCR	C16-C17-C18	19.46	154.57	127.28
16	L	207	BCR	C16-C17-C18	19.35	154.42	127.28
16	U	203	BCR	C16-C17-C18	19.34	154.40	127.28
16	B	847	BCR	C15-C16-C17	19.25	162.91	123.52
16	L	209	BCR	C16-C17-C18	19.17	154.16	127.28
16	A	844	BCR	C15-C16-C17	19.10	162.61	123.52
16	a	844	BCR	C15-C16-C17	19.09	162.57	123.52
16	B	852	BCR	C10-C11-C12	19.07	178.45	123.20
16	G	845	BCR	C10-C11-C12	19.02	178.31	123.20
16	A	844	BCR	C10-C11-C12	19.01	178.29	123.20
16	G	843	BCR	C10-C11-C12	19.00	178.26	123.20
16	A	846	BCR	C10-C11-C12	18.99	178.22	123.20
16	b	850	BCR	C10-C11-C12	18.97	178.16	123.20
16	a	844	BCR	C10-C11-C12	18.96	178.14	123.20
16	G	848	BCR	C15-C16-C17	18.96	162.31	123.52
16	B	844	BCR	C10-C11-C12	18.93	178.06	123.20
16	G	843	BCR	C15-C16-C17	18.92	162.23	123.52
16	a	849	BCR	C15-C16-C17	18.90	162.18	123.52
16	H	844	BCR	C10-C11-C12	18.85	177.83	123.20
16	A	849	BCR	C15-C16-C17	18.82	162.02	123.52
16	b	842	BCR	C10-C11-C12	18.81	177.72	123.20
16	I	101	BCR	C10-C11-C12	18.80	177.67	123.20
16	R	102	BCR	C10-C11-C12	18.79	177.64	123.20
16	H	848	BCR	C10-C11-C12	18.78	177.63	123.20
16	i	101	BCR	C10-C11-C12	18.77	177.59	123.20
16	b	846	BCR	C10-C11-C12	18.75	177.54	123.20
16	B	848	BCR	C10-C11-C12	18.75	177.52	123.20
16	H	850	BCR	C10-C11-C12	18.73	177.46	123.20
16	J	1304	BCR	C10-C11-C12	18.70	177.37	123.20
16	j	1304	BCR	C10-C11-C12	18.68	177.33	123.20
16	S	103	BCR	C10-C11-C12	18.66	177.27	123.20
16	F	202	BCR	C10-C11-C12	18.64	177.22	123.20
16	b	848	BCR	C10-C11-C12	18.64	177.22	123.20
16	G	844	BCR	C16-C17-C18	18.64	153.42	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	850	BCR	C10-C11-C12	18.64	177.20	123.20
16	A	845	BCR	C10-C11-C12	18.57	177.00	123.20
16	m	1203	BCR	C10-C11-C12	18.56	176.99	123.20
16	A	848	BCR	C10-C11-C12	18.55	176.96	123.20
16	M	1602	BCR	C10-C11-C12	18.54	176.92	123.20
16	a	848	BCR	C10-C11-C12	18.54	176.91	123.20
16	a	845	BCR	C10-C11-C12	18.53	176.90	123.20
16	l	202	BCR	C10-C11-C12	18.52	176.85	123.20
16	G	844	BCR	C10-C11-C12	18.47	176.72	123.20
16	A	845	BCR	C16-C17-C18	18.45	153.16	127.28
16	L	209	BCR	C10-C11-C12	18.44	176.64	123.20
16	a	845	BCR	C16-C17-C18	18.44	153.14	127.28
16	S	104	BCR	C10-C11-C12	18.43	176.61	123.20
16	G	847	BCR	C10-C11-C12	18.42	176.58	123.20
16	L	207	BCR	C10-C11-C12	18.42	176.56	123.20
16	j	1305	BCR	C10-C11-C12	18.41	176.55	123.20
16	l	206	BCR	C10-C11-C12	18.40	176.50	123.20
16	V	1602	BCR	C10-C11-C12	18.39	176.49	123.20
16	U	203	BCR	C10-C11-C12	18.38	176.46	123.20
16	f	201	BCR	C10-C11-C12	18.38	176.45	123.20
16	H	849	BCR	C10-C11-C12	18.37	176.42	123.20
16	U	208	BCR	C10-C11-C12	18.35	176.36	123.20
16	L	202	BCR	C10-C11-C12	18.34	176.33	123.20
16	H	845	BCR	C10-C11-C12	18.30	176.21	123.20
16	a	847	BCR	C10-C11-C12	18.27	176.14	123.20
16	l	201	BCR	C10-C11-C12	18.27	176.13	123.20
16	H	852	BCR	C10-C11-C12	18.27	176.13	123.20
16	B	845	BCR	C10-C11-C12	18.26	176.10	123.20
16	b	843	BCR	C10-C11-C12	18.25	176.08	123.20
16	H	846	BCR	C10-C11-C12	18.22	176.00	123.20
16	b	847	BCR	C10-C11-C12	18.20	175.94	123.20
16	b	844	BCR	C10-C11-C12	18.20	175.93	123.20
16	B	846	BCR	C10-C11-C12	18.19	175.92	123.20
16	A	847	BCR	C10-C11-C12	18.17	175.85	123.20
16	J	1305	BCR	C10-C11-C12	18.16	175.83	123.20
16	B	849	BCR	C10-C11-C12	18.15	175.79	123.20
16	G	846	BCR	C10-C11-C12	18.13	175.74	123.20
16	U	202	BCR	C10-C11-C12	18.12	175.70	123.20
16	j	1304	BCR	C16-C17-C18	17.85	152.31	127.28
16	Q	203	BCR	C10-C11-C12	17.83	174.88	123.20
16	J	1304	BCR	C16-C17-C18	17.82	152.27	127.28
16	S	103	BCR	C16-C17-C18	17.75	152.17	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	850	BCR	C16-C17-C18	17.72	152.13	127.28
16	B	852	BCR	C16-C17-C18	17.52	151.85	127.28
16	a	846	BCR	C10-C11-C12	17.51	173.93	123.20
16	A	849	BCR	C10-C11-C12	17.20	173.03	123.20
16	a	849	BCR	C10-C11-C12	17.11	172.78	123.20
16	G	848	BCR	C10-C11-C12	17.07	172.65	123.20
16	b	848	BCR	C21-C20-C19	16.88	172.10	123.20
16	H	852	BCR	C16-C17-C18	16.86	150.92	127.28
16	H	850	BCR	C21-C20-C19	16.60	171.31	123.20
16	B	850	BCR	C21-C20-C19	16.55	171.17	123.20
16	B	847	BCR	C10-C11-C12	16.38	170.66	123.20
16	G	848	BCR	C11-C10-C9	16.23	150.04	127.28
16	A	849	BCR	C11-C10-C9	16.00	149.71	127.28
16	a	849	BCR	C11-C10-C9	15.98	149.69	127.28
16	b	847	BCR	C21-C20-C19	15.06	166.83	123.20
16	B	849	BCR	C21-C20-C19	14.99	166.62	123.20
16	a	845	BCR	C21-C20-C19	14.90	166.38	123.20
16	G	844	BCR	C21-C20-C19	14.88	166.32	123.20
16	A	845	BCR	C21-C20-C19	14.87	166.28	123.20
16	H	849	BCR	C21-C20-C19	14.85	166.23	123.20
16	A	844	BCR	C21-C20-C19	14.65	165.65	123.20
16	f	201	BCR	C21-C20-C19	14.62	165.55	123.20
16	F	202	BCR	C21-C20-C19	14.61	165.53	123.20
16	G	843	BCR	C21-C20-C19	14.60	165.49	123.20
16	a	844	BCR	C21-C20-C19	14.58	165.45	123.20
16	Q	203	BCR	C21-C20-C19	14.57	165.42	123.20
16	H	847	BCR	C16-C15-C14	14.44	153.07	123.52
16	l	202	BCR	C21-C20-C19	14.36	164.81	123.20
16	b	850	BCR	C21-C20-C19	14.22	164.41	123.20
16	L	209	BCR	C21-C20-C19	14.20	164.35	123.20
16	U	203	BCR	C21-C20-C19	14.20	164.34	123.20
16	B	847	BCR	C16-C15-C14	14.18	152.52	123.52
16	A	844	BCR	C11-C10-C9	14.15	147.13	127.28
16	a	846	BCR	C21-C20-C19	14.13	164.15	123.20
16	G	843	BCR	C16-C15-C14	14.11	152.40	123.52
16	A	844	BCR	C16-C15-C14	14.11	152.39	123.52
16	a	848	BCR	C21-C20-C19	14.10	164.06	123.20
16	A	846	BCR	C21-C20-C19	14.07	163.98	123.20
16	b	845	BCR	C16-C15-C14	14.07	152.31	123.52
16	G	845	BCR	C21-C20-C19	14.07	163.97	123.20
16	a	844	BCR	C16-C15-C14	14.07	152.31	123.52
16	A	848	BCR	C21-C20-C19	14.03	163.85	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	847	BCR	C10-C11-C12	14.00	163.77	123.20
16	G	847	BCR	C21-C20-C19	13.99	163.75	123.20
16	H	846	BCR	C11-C10-C9	13.96	146.86	127.28
16	B	846	BCR	C21-C20-C19	13.95	163.62	123.20
16	H	846	BCR	C21-C20-C19	13.95	163.61	123.20
16	b	844	BCR	C21-C20-C19	13.91	163.51	123.20
16	B	846	BCR	C11-C10-C9	13.91	146.79	127.28
16	b	842	BCR	C21-C20-C19	13.91	163.50	123.20
16	B	844	BCR	C21-C20-C19	13.89	163.45	123.20
16	H	844	BCR	C21-C20-C19	13.89	163.44	123.20
16	B	852	BCR	C21-C20-C19	13.88	163.42	123.20
16	b	844	BCR	C11-C10-C9	13.85	146.71	127.28
16	b	842	BCR	C11-C10-C9	13.81	146.64	127.28
16	H	848	BCR	C21-C20-C19	13.79	163.17	123.20
16	l	206	BCR	C21-C20-C19	13.77	163.10	123.20
16	B	845	BCR	C21-C20-C19	13.77	163.09	123.20
16	b	846	BCR	C21-C20-C19	13.77	163.09	123.20
16	J	1305	BCR	C11-C10-C9	13.75	146.56	127.28
16	L	207	BCR	C21-C20-C19	13.74	163.02	123.20
16	L	202	BCR	C21-C20-C19	13.73	162.99	123.20
16	B	848	BCR	C21-C20-C19	13.73	162.99	123.20
16	H	845	BCR	C21-C20-C19	13.73	162.99	123.20
16	b	843	BCR	C21-C20-C19	13.73	162.98	123.20
16	U	208	BCR	C21-C20-C19	13.71	162.94	123.20
16	U	202	BCR	C21-C20-C19	13.70	162.89	123.20
16	l	201	BCR	C21-C20-C19	13.68	162.85	123.20
16	H	844	BCR	C11-C10-C9	13.66	146.43	127.28
16	U	202	BCR	C11-C10-C9	13.63	146.39	127.28
16	G	844	BCR	C11-C10-C9	13.62	146.38	127.28
16	j	1305	BCR	C11-C10-C9	13.61	146.36	127.28
16	L	209	BCR	C11-C10-C9	13.59	146.34	127.28
16	a	845	BCR	C11-C10-C9	13.58	146.32	127.28
16	A	847	BCR	C11-C10-C9	13.58	146.32	127.28
16	V	1602	BCR	C11-C10-C9	13.52	146.24	127.28
16	G	846	BCR	C21-C20-C19	13.52	162.36	123.20
16	i	101	BCR	C21-C20-C19	13.51	162.36	123.20
16	b	843	BCR	C11-C10-C9	13.51	146.22	127.28
16	G	846	BCR	C11-C10-C9	13.50	146.21	127.28
16	a	847	BCR	C21-C20-C19	13.49	162.30	123.20
16	A	847	BCR	C21-C20-C19	13.48	162.26	123.20
16	A	845	BCR	C11-C10-C9	13.48	146.18	127.28
16	I	101	BCR	C21-C20-C19	13.47	162.23	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	844	BCR	C16-C15-C14	13.46	151.07	123.52
16	m	1203	BCR	C21-C20-C19	13.46	162.19	123.20
16	l	201	BCR	C11-C10-C9	13.44	146.13	127.28
16	b	842	BCR	C16-C15-C14	13.44	151.02	123.52
16	l	202	BCR	C11-C10-C9	13.43	146.11	127.28
16	B	844	BCR	C11-C10-C9	13.42	146.10	127.28
16	R	102	BCR	C21-C20-C19	13.42	162.08	123.20
16	H	844	BCR	C16-C15-C14	13.42	150.97	123.52
16	M	1602	BCR	C21-C20-C19	13.41	162.06	123.20
16	U	203	BCR	C11-C10-C9	13.38	146.04	127.28
16	U	208	BCR	C11-C10-C9	13.38	146.04	127.28
16	G	843	BCR	C11-C10-C9	13.38	146.04	127.28
16	L	202	BCR	C11-C10-C9	13.37	146.03	127.28
16	H	845	BCR	C11-C10-C9	13.36	146.01	127.28
16	a	846	BCR	C11-C10-C9	13.35	146.00	127.28
16	a	844	BCR	C11-C10-C9	13.33	145.98	127.28
16	B	845	BCR	C11-C10-C9	13.31	145.94	127.28
16	H	852	BCR	C21-C20-C19	13.30	161.74	123.20
16	B	849	BCR	C11-C10-C9	13.30	145.93	127.28
16	B	848	BCR	C16-C15-C14	13.28	150.69	123.52
16	R	102	BCR	C11-C10-C9	13.27	145.89	127.28
16	G	848	BCR	C21-C20-C19	13.27	161.66	123.20
16	a	847	BCR	C11-C10-C9	13.26	145.88	127.28
16	i	101	BCR	C11-C10-C9	13.24	145.85	127.28
16	A	849	BCR	C21-C20-C19	13.22	161.52	123.20
16	J	1304	BCR	C21-C20-C19	13.20	161.46	123.20
16	I	101	BCR	C11-C10-C9	13.20	145.78	127.28
16	j	1304	BCR	C21-C20-C19	13.19	161.41	123.20
16	l	206	BCR	C11-C10-C9	13.18	145.76	127.28
16	S	103	BCR	C21-C20-C19	13.16	161.32	123.20
16	H	848	BCR	C16-C15-C14	13.16	150.44	123.52
16	a	849	BCR	C21-C20-C19	13.14	161.26	123.20
16	b	848	BCR	C11-C10-C9	13.13	145.70	127.28
16	b	846	BCR	C16-C15-C14	13.13	150.39	123.52
16	L	207	BCR	C11-C10-C9	13.11	145.66	127.28
16	b	844	BCR	C16-C15-C14	13.10	150.32	123.52
16	V	1602	BCR	C21-C20-C19	13.08	161.11	123.20
16	A	849	BCR	C16-C15-C14	13.07	150.26	123.52
16	B	850	BCR	C11-C10-C9	13.06	145.60	127.28
16	H	846	BCR	C16-C15-C14	13.05	150.21	123.52
16	B	845	BCR	C16-C15-C14	13.04	150.21	123.52
16	B	846	BCR	C16-C15-C14	13.04	150.21	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	M	1602	BCR	C11-C10-C9	13.04	145.57	127.28
16	a	849	BCR	C16-C15-C14	13.02	150.16	123.52
16	b	843	BCR	C16-C15-C14	12.97	150.05	123.52
16	l	202	BCR	C16-C15-C14	12.95	150.01	123.52
16	H	845	BCR	C16-C15-C14	12.90	149.92	123.52
16	b	847	BCR	C11-C10-C9	12.89	145.35	127.28
16	G	848	BCR	C16-C15-C14	12.88	149.88	123.52
16	j	1305	BCR	C21-C20-C19	12.88	160.52	123.20
16	S	104	BCR	C21-C20-C19	12.87	160.50	123.20
16	L	209	BCR	C16-C15-C14	12.87	149.85	123.52
16	S	104	BCR	C11-C10-C9	12.86	145.31	127.28
16	J	1305	BCR	C21-C20-C19	12.85	160.43	123.20
16	U	203	BCR	C16-C15-C14	12.75	149.61	123.52
16	H	850	BCR	C11-C10-C9	12.73	145.13	127.28
16	m	1203	BCR	C11-C10-C9	12.73	145.13	127.28
16	R	102	BCR	C16-C15-C14	12.68	149.47	123.52
16	I	101	BCR	C16-C15-C14	12.68	149.46	123.52
16	i	101	BCR	C16-C15-C14	12.66	149.41	123.52
16	U	208	BCR	C16-C15-C14	12.64	149.39	123.52
16	B	850	BCR	C16-C15-C14	12.62	149.35	123.52
16	l	206	BCR	C16-C15-C14	12.62	149.34	123.52
16	V	1602	BCR	C16-C15-C14	12.61	149.31	123.52
16	G	848	BCR	C11-C12-C13	12.60	160.91	126.36
16	L	207	BCR	C16-C15-C14	12.58	149.26	123.52
16	m	1203	BCR	C16-C15-C14	12.56	149.23	123.52
16	S	103	BCR	C11-C10-C9	12.55	144.88	127.28
16	b	848	BCR	C16-C15-C14	12.54	149.17	123.52
16	j	1304	BCR	C11-C10-C9	12.53	144.85	127.28
16	a	846	BCR	C16-C15-C14	12.53	149.15	123.52
16	A	849	BCR	C11-C12-C13	12.50	160.64	126.36
16	a	849	BCR	C11-C12-C13	12.49	160.62	126.36
16	J	1304	BCR	C11-C10-C9	12.49	144.79	127.28
16	H	850	BCR	C16-C15-C14	12.46	149.02	123.52
16	G	845	BCR	C16-C15-C14	12.43	148.96	123.52
16	M	1602	BCR	C16-C15-C14	12.41	148.91	123.52
16	f	201	BCR	C16-C15-C14	12.40	148.88	123.52
16	B	848	BCR	C11-C10-C9	12.38	144.65	127.28
16	F	202	BCR	C16-C15-C14	12.37	148.82	123.52
16	A	846	BCR	C16-C15-C14	12.35	148.78	123.52
16	A	846	BCR	C11-C10-C9	12.34	144.59	127.28
16	Q	203	BCR	C16-C15-C14	12.33	148.75	123.52
16	G	845	BCR	C11-C10-C9	12.31	144.54	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	846	BCR	C11-C10-C9	12.30	144.53	127.28
16	H	849	BCR	C11-C10-C9	12.29	144.52	127.28
16	H	848	BCR	C11-C10-C9	12.22	144.41	127.28
16	G	846	BCR	C16-C15-C14	12.21	148.50	123.52
16	a	847	BCR	C16-C15-C14	12.20	148.48	123.52
16	U	202	BCR	C16-C15-C14	12.16	148.40	123.52
16	A	847	BCR	C16-C15-C14	12.13	148.33	123.52
16	a	845	BCR	C16-C15-C14	12.08	148.24	123.52
16	G	844	BCR	C16-C15-C14	12.08	148.24	123.52
16	l	201	BCR	C16-C15-C14	12.07	148.22	123.52
16	L	202	BCR	C16-C15-C14	12.06	148.19	123.52
16	A	845	BCR	C16-C15-C14	12.02	148.11	123.52
16	b	850	BCR	C11-C12-C13	12.01	159.28	126.36
16	B	852	BCR	C11-C12-C13	11.96	159.15	126.36
16	f	201	BCR	C11-C10-C9	11.93	144.01	127.28
16	G	847	BCR	C11-C12-C13	11.93	159.07	126.36
16	a	848	BCR	C16-C15-C14	11.90	147.87	123.52
16	A	848	BCR	C16-C15-C14	11.84	147.75	123.52
16	A	848	BCR	C11-C10-C9	11.82	143.85	127.28
16	G	847	BCR	C16-C15-C14	11.81	147.69	123.52
16	b	847	BCR	C11-C12-C13	11.79	158.70	126.36
16	J	1304	BCR	C16-C15-C14	11.77	147.60	123.52
16	j	1304	BCR	C16-C15-C14	11.76	147.59	123.52
16	S	103	BCR	C16-C15-C14	11.73	147.51	123.52
16	A	848	BCR	C11-C12-C13	11.69	158.41	126.36
16	G	847	BCR	C11-C10-C9	11.68	143.66	127.28
16	a	848	BCR	C11-C12-C13	11.64	158.28	126.36
16	a	848	BCR	C11-C10-C9	11.63	143.59	127.28
16	H	849	BCR	C11-C12-C13	11.61	158.19	126.36
16	B	849	BCR	C16-C15-C14	11.59	147.23	123.52
16	b	850	BCR	C16-C15-C14	11.52	147.08	123.52
16	J	1305	BCR	C11-C12-C13	11.51	157.91	126.36
16	B	849	BCR	C11-C12-C13	11.50	157.91	126.36
16	b	845	BCR	C21-C20-C19	11.50	156.51	123.20
16	B	852	BCR	C16-C15-C14	11.49	147.02	123.52
16	H	852	BCR	C16-C15-C14	11.46	146.96	123.52
16	H	849	BCR	C16-C15-C14	11.44	146.93	123.52
16	V	1602	BCR	C11-C12-C13	11.44	157.73	126.36
16	H	852	BCR	C11-C12-C13	11.43	157.72	126.36
16	H	847	BCR	C21-C20-C19	11.43	156.32	123.20
16	B	845	BCR	C11-C12-C13	11.42	157.69	126.36
16	B	846	BCR	C11-C12-C13	11.42	157.68	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	843	BCR	C11-C12-C13	11.40	157.62	126.36
16	j	1305	BCR	C16-C15-C14	11.40	146.84	123.52
16	H	846	BCR	C11-C12-C13	11.37	157.54	126.36
16	b	844	BCR	C11-C12-C13	11.37	157.53	126.36
16	G	846	BCR	C11-C12-C13	11.36	157.53	126.36
16	B	847	BCR	C21-C20-C19	11.35	156.09	123.20
16	l	206	BCR	C11-C12-C13	11.35	157.47	126.36
16	U	208	BCR	C11-C12-C13	11.34	157.47	126.36
16	L	207	BCR	C11-C12-C13	11.34	157.46	126.36
16	m	1203	BCR	C11-C12-C13	11.34	157.46	126.36
16	A	847	BCR	C11-C12-C13	11.32	157.41	126.36
16	H	845	BCR	C11-C12-C13	11.31	157.38	126.36
16	U	203	BCR	C11-C12-C13	11.31	157.37	126.36
16	b	847	BCR	C16-C15-C14	11.30	146.65	123.52
16	U	202	BCR	C11-C12-C13	11.29	157.31	126.36
16	M	1602	BCR	C11-C12-C13	11.28	157.29	126.36
16	J	1305	BCR	C16-C15-C14	11.25	146.53	123.52
16	S	104	BCR	C16-C15-C14	11.23	146.49	123.52
16	H	848	BCR	C11-C12-C13	11.19	157.04	126.36
16	L	209	BCR	C11-C12-C13	11.18	157.03	126.36
16	B	848	BCR	C11-C12-C13	11.18	157.01	126.36
16	b	846	BCR	C11-C12-C13	11.17	156.98	126.36
16	F	202	BCR	C11-C10-C9	11.13	142.88	127.28
16	J	1304	BCR	C11-C12-C13	11.11	156.82	126.36
16	S	103	BCR	C11-C12-C13	11.10	156.81	126.36
16	j	1304	BCR	C11-C12-C13	11.10	156.80	126.36
16	a	847	BCR	C11-C12-C13	11.09	156.77	126.36
16	l	202	BCR	C11-C12-C13	11.08	156.76	126.36
16	l	201	BCR	C11-C12-C13	10.99	156.50	126.36
16	R	102	BCR	C11-C12-C13	10.94	156.36	126.36
16	I	101	BCR	C11-C12-C13	10.87	156.16	126.36
16	i	101	BCR	C11-C12-C13	10.84	156.08	126.36
16	Q	203	BCR	C11-C10-C9	10.83	142.47	127.28
16	L	202	BCR	C11-C12-C13	10.83	156.05	126.36
16	B	850	BCR	C11-C12-C13	10.76	155.88	126.36
16	G	844	BCR	C11-C12-C13	10.75	155.84	126.36
16	a	845	BCR	C11-C12-C13	10.75	155.83	126.36
16	b	842	BCR	C11-C12-C13	10.73	155.78	126.36
16	A	845	BCR	C11-C12-C13	10.72	155.75	126.36
16	H	850	BCR	C11-C12-C13	10.69	155.67	126.36
16	b	848	BCR	C11-C12-C13	10.68	155.66	126.36
16	H	844	BCR	C11-C12-C13	10.61	155.44	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	844	BCR	C11-C12-C13	10.51	155.19	126.36
16	G	845	BCR	C11-C12-C13	10.44	154.98	126.36
16	A	846	BCR	C11-C12-C13	10.43	154.95	126.36
16	G	843	BCR	C11-C12-C13	10.41	154.91	126.36
16	A	844	BCR	C11-C12-C13	10.39	154.86	126.36
16	a	844	BCR	C11-C12-C13	10.36	154.77	126.36
16	S	104	BCR	C11-C12-C13	10.00	153.77	126.36
14	a	812	CLA	CMD-C2D-C1D	9.96	142.26	124.73
16	j	1305	BCR	C11-C12-C13	9.74	153.08	126.36
14	B	816	CLA	CMD-C2D-C1D	9.60	141.64	124.73
14	G	826	CLA	CMD-C2D-C1D	9.59	141.61	124.73
14	b	828	CLA	CMD-C2D-C1D	9.56	141.56	124.73
16	B	847	BCR	C20-C19-C18	9.53	152.49	126.36
16	b	845	BCR	C20-C19-C18	9.48	152.35	126.36
16	f	201	BCR	C11-C12-C13	9.47	152.34	126.36
16	H	847	BCR	C20-C19-C18	9.41	152.17	126.36
14	B	831	CLA	CMD-C2D-C1D	9.38	141.24	124.73
16	b	850	BCR	C11-C10-C9	9.38	140.43	127.28
16	F	202	BCR	C11-C12-C13	9.30	151.87	126.36
14	A	812	CLA	CMD-C2D-C1D	9.29	141.08	124.73
14	a	826	CLA	CMD-C2D-C1D	9.25	141.02	124.73
16	a	846	BCR	C11-C12-C13	9.22	151.65	126.36
14	b	839	CLA	CMD-C2D-C1D	9.19	140.91	124.73
14	a	817	CLA	O2D-CGD-CBD	9.13	127.19	111.23
14	G	810	CLA	CMD-C2D-C1D	9.13	140.80	124.73
16	b	845	BCR	C11-C10-C9	-9.08	114.55	127.28
14	A	810	CLA	CMD-C2D-C1D	9.07	140.70	124.73
14	H	831	CLA	CMD-C2D-C1D	9.05	140.66	124.73
16	B	852	BCR	C11-C10-C9	9.05	139.97	127.28
14	A	819	CLA	CMD-C2D-C1D	9.05	140.66	124.73
16	Q	203	BCR	C11-C12-C13	9.04	151.14	126.36
14	G	819	CLA	CMD-C2D-C1D	9.03	140.62	124.73
14	a	819	CLA	CMD-C2D-C1D	9.02	140.62	124.73
14	B	832	CLA	CMD-C2D-C1D	8.98	140.55	124.73
14	b	829	CLA	CMD-C2D-C1D	8.87	140.34	124.73
14	a	810	CLA	CMD-C2D-C1D	8.83	140.28	124.73
14	G	812	CLA	CMD-C2D-C1D	8.69	140.04	124.73
14	H	830	CLA	CMD-C2D-C1D	8.69	140.03	124.73
14	H	827	CLA	CMD-C2D-C1D	8.68	140.02	124.73
14	B	830	CLA	CMD-C2D-C1D	8.65	139.96	124.73
14	H	832	CLA	CMD-C2D-C1D	8.62	139.91	124.73
14	b	825	CLA	CMD-C2D-C1D	8.60	139.88	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	821	CLA	CMD-C2D-C1D	8.49	139.69	124.73
14	H	807	CLA	CMD-C2D-C1D	8.47	139.64	124.73
14	A	806	CLA	CMD-C2D-C1D	8.47	139.64	124.73
14	H	828	CLA	CMD-C2D-C1D	8.43	139.58	124.73
14	m	1201	CLA	CMD-C2D-C1D	8.43	139.57	124.73
14	a	813	CLA	CMD-C2D-C1D	8.42	139.55	124.73
14	G	815	CLA	CMD-C2D-C1D	8.41	139.54	124.73
14	H	824	CLA	CMD-C2D-C1D	8.41	139.54	124.73
14	b	838	CLA	CMD-C2D-C1D	8.41	139.53	124.73
14	H	840	CLA	CMD-C2D-C1D	8.41	139.53	124.73
14	A	826	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	B	807	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	B	840	CLA	CMD-C2D-C1D	8.39	139.50	124.73
14	A	822	CLA	CMD-C2D-C1D	8.38	139.49	124.73
14	A	838	CLA	CMD-C2D-C1D	8.36	139.45	124.73
14	a	830	CLA	CMD-C2D-C1D	8.35	139.44	124.73
14	B	828	CLA	CMD-C2D-C1D	8.35	139.44	124.73
14	A	813	CLA	CMD-C2D-C1D	8.35	139.43	124.73
14	G	822	CLA	CMD-C2D-C1D	8.34	139.41	124.73
14	b	815	CLA	CMD-C2D-C1D	8.33	139.40	124.73
14	a	822	CLA	CMD-C2D-C1D	8.32	139.38	124.73
14	H	818	CLA	CMD-C2D-C1D	8.32	139.38	124.73
14	B	818	CLA	CMD-C2D-C1D	8.32	139.38	124.73
14	a	806	CLA	CMD-C2D-C1D	8.31	139.36	124.73
14	B	824	CLA	CMD-C2D-C1D	8.30	139.35	124.73
16	V	1602	BCR	C20-C19-C18	8.30	149.11	126.36
14	G	838	CLA	CMD-C2D-C1D	8.29	139.33	124.73
14	G	830	CLA	CMD-C2D-C1D	8.29	139.33	124.73
14	a	839	CLA	CMD-C2D-C1D	8.28	139.32	124.73
14	G	817	CLA	CMD-C2D-C1D	8.28	139.31	124.73
14	G	831	CLA	CMD-C2D-C1D	8.28	139.31	124.73
14	A	821	CLA	CMD-C2D-C1D	8.28	139.30	124.73
14	B	804	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	G	827	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	b	803	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	a	827	CLA	CMD-C2D-C1D	8.26	139.28	124.73
14	B	810	CLA	CMD-C2D-C1D	8.26	139.28	124.73
14	a	835	CLA	CMD-C2D-C1D	8.26	139.28	124.73
14	a	831	CLA	CMD-C2D-C1D	8.26	139.27	124.73
14	b	806	CLA	CMD-C2D-C1D	8.25	139.26	124.73
14	G	806	CLA	CMD-C2D-C1D	8.25	139.25	124.73
16	j	1305	BCR	C20-C19-C18	8.25	148.97	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	840	CLA	CMD-C2D-C1D	8.24	139.25	124.73
14	H	813	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	H	810	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	A	827	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	B	803	CLA	CMD-C2D-C1D	8.24	139.23	124.73
14	H	809	CLA	CMD-C2D-C1D	8.23	139.23	124.73
14	b	817	CLA	CMD-C2D-C1D	8.23	139.23	124.73
14	A	809	CLA	CMD-C2D-C1D	8.23	139.23	124.73
14	A	802	CLA	CMD-C2D-C1D	8.23	139.23	124.73
14	B	809	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	H	841	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	H	837	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	B	837	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	G	834	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	H	808	CLA	CMD-C2D-C1D	8.23	139.21	124.73
14	A	834	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	b	807	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	m	1202	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	L	205	CLA	CMD-C2D-C1D	8.22	139.20	124.73
14	B	813	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	B	841	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	H	817	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	H	835	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	a	834	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	b	835	CLA	CMD-C2D-C1D	8.21	139.19	124.73
14	G	816	CLA	CMD-C2D-C1D	8.21	139.18	124.73
14	b	810	CLA	CMD-C2D-C1D	8.20	139.18	124.73
14	G	809	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	H	803	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	K	1401	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	B	808	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	G	823	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	B	820	CLA	CMD-C2D-C1D	8.20	139.17	124.73
14	B	819	CLA	CMD-C2D-C1D	8.20	139.16	124.73
14	J	1302	CLA	CMD-C2D-C1D	8.20	139.16	124.73
16	J	1305	BCR	C20-C19-C18	8.19	148.83	126.36
14	G	805	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	F	201	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	A	831	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	H	820	CLA	CMD-C2D-C1D	8.19	139.14	124.73
14	H	804	CLA	CMD-C2D-C1D	8.18	139.13	124.73
14	M	1601	CLA	CMD-C2D-C1D	8.18	139.13	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	S	104	BCR	C20-C19-C18	8.18	148.79	126.36
14	A	811	CLA	CMD-C2D-C1D	8.18	139.12	124.73
14	B	842	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	k	102	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	A	839	CLA	CMD-C2D-C1D	8.17	139.12	124.73
16	U	208	BCR	C24-C23-C22	-8.17	114.15	126.23
14	T	102	CLA	CMD-C2D-C1D	8.17	139.11	124.73
14	H	819	CLA	CMD-C2D-C1D	8.17	139.11	124.73
14	a	809	CLA	CMD-C2D-C1D	8.17	139.11	124.73
14	A	817	CLA	CMD-C2D-C1D	8.17	139.11	124.73
14	b	805	CLA	CMD-C2D-C1D	8.16	139.10	124.73
14	j	1303	CLA	CMD-C2D-C1D	8.16	139.10	124.73
14	U	207	CLA	CMD-C2D-C1D	8.16	139.09	124.73
14	b	831	CLA	CMD-C2D-C1D	8.16	139.09	124.73
14	V	1601	CLA	CMD-C2D-C1D	8.16	139.09	124.73
14	a	811	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	a	808	CLA	CMD-C2D-C1D	8.15	139.07	124.73
14	H	823	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	a	815	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	j	1302	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	J	1303	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	G	808	CLA	CMD-C2D-C1D	8.14	139.05	124.73
14	a	804	CLA	CMD-C2D-C1D	8.14	139.05	124.73
14	S	102	CLA	CMD-C2D-C1D	8.13	139.05	124.73
14	A	842	CLA	CMD-C2D-C1D	8.13	139.05	124.73
14	A	815	CLA	CMD-C2D-C1D	8.13	139.05	124.73
14	a	805	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	b	816	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	b	820	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	S	101	CLA	CMD-C2D-C1D	8.12	139.04	124.73
14	G	811	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	a	820	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	A	820	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	G	835	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	A	805	CLA	CMD-C2D-C1D	8.11	139.01	124.73
14	G	820	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	B	817	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	a	816	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	A	808	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	G	841	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	L	206	CLA	CMD-C2D-C1D	8.09	138.98	124.73
14	U	206	CLA	CMD-C2D-C1D	8.09	138.98	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	817	CLA	O2D-CGD-CBD	8.09	125.38	111.23
14	G	804	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	a	842	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	a	823	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	l	204	CLA	CMD-C2D-C1D	8.07	138.95	124.73
14	A	830	CLA	CMD-C2D-C1D	8.07	138.95	124.73
14	A	835	CLA	CMD-C2D-C1D	8.07	138.94	124.73
14	G	836	CLA	CMD-C2D-C1D	8.06	138.93	124.73
14	l	205	CLA	CMD-C2D-C1D	8.06	138.93	124.73
14	b	827	CLA	CMD-C2D-C1D	8.06	138.91	124.73
14	A	823	CLA	CMD-C2D-C1D	8.05	138.91	124.73
14	A	804	CLA	CMD-C2D-C1D	8.05	138.90	124.73
14	a	821	CLA	CMD-C2D-C1D	8.05	138.90	124.73
14	a	814	CLA	CMD-C2D-C1D	8.04	138.88	124.73
14	G	837	CLA	CMD-C2D-C1D	8.04	138.88	124.73
14	a	817	CLA	CMD-C2D-C1D	8.04	138.88	124.73
14	A	837	CLA	CMD-C2D-C1D	8.03	138.88	124.73
14	A	841	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	A	814	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	a	837	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	b	834	CLA	CMD-C2D-C1D	8.02	138.86	124.73
16	j	1304	BCR	C20-C19-C18	8.02	148.35	126.36
16	S	103	BCR	C20-C19-C18	8.02	148.34	126.36
14	H	833	CLA	CMD-C2D-C1D	8.01	138.84	124.73
14	B	833	CLA	CMD-C2D-C1D	8.01	138.84	124.73
16	J	1304	BCR	C20-C19-C18	8.01	148.32	126.36
14	A	836	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	B	823	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	b	830	CLA	CMD-C2D-C1D	8.00	138.81	124.73
14	a	836	CLA	CMD-C2D-C1D	8.00	138.81	124.73
14	H	821	CLA	CMD-C2D-C1D	8.00	138.81	124.73
14	a	840	CLA	CMD-C2D-C1D	7.99	138.81	124.73
14	A	818	CLA	CMD-C2D-C1D	7.99	138.80	124.73
14	A	816	CLA	CMD-C2D-C1D	7.98	138.79	124.73
14	B	835	CLA	CMD-C2D-C1D	7.98	138.78	124.73
14	T	101	CLA	CMD-C2D-C1D	7.97	138.77	124.73
14	H	814	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	b	836	CLA	CMD-C2D-C1D	7.96	138.75	124.73
14	b	818	CLA	CMD-C2D-C1D	7.96	138.75	124.73
14	G	814	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	B	821	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	Q	201	CLA	CMD-C2D-C1D	7.96	138.74	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	803	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	k	101	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	H	836	CLA	CMD-C2D-C1D	7.95	138.72	124.73
14	b	802	CLA	CMD-C2D-C1D	7.94	138.71	124.73
14	B	814	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	B	836	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	H	816	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	G	829	CLA	CMD-C2D-C1D	7.92	138.68	124.73
14	l	203	CLA	CMD-C2D-C1D	7.92	138.68	124.73
14	H	802	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	a	818	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	B	802	CLA	CMD-C2D-C1D	7.91	138.66	124.73
14	b	813	CLA	CMD-C2D-C1D	7.91	138.66	124.73
14	b	811	CLA	CMD-C2D-C1D	7.91	138.65	124.73
14	G	807	CLA	CMD-C2D-C1D	7.90	138.64	124.73
14	G	803	CLA	CMD-C2D-C1D	7.90	138.63	124.73
14	G	813	CLA	CMD-C2D-C1D	7.89	138.63	124.73
14	a	807	CLA	CMD-C2D-C1D	7.89	138.63	124.73
14	G	833	CLA	CMD-C2D-C1D	7.86	138.57	124.73
14	b	821	CLA	CMD-C2D-C1D	7.85	138.55	124.73
14	a	838	CLA	CMD-C2D-C1D	7.84	138.53	124.73
14	H	811	CLA	CMD-C2D-C1D	7.83	138.52	124.73
13	A	801	CL0	CMD-C2D-C1D	7.82	138.51	124.73
14	L	204	CLA	CMD-C2D-C1D	7.82	138.50	124.73
14	B	811	CLA	CMD-C2D-C1D	7.81	138.49	124.73
14	b	814	CLA	CMD-C2D-C1D	7.81	138.47	124.73
14	U	205	CLA	CMD-C2D-C1D	7.80	138.47	124.73
14	A	807	CLA	CMD-C2D-C1D	7.80	138.46	124.73
14	G	825	CLA	CMD-C2D-C1D	7.76	138.40	124.73
14	A	825	CLA	CMD-C2D-C1D	7.76	138.39	124.73
14	B	839	CLA	CMD-C2D-C1D	7.73	138.34	124.73
14	b	837	CLA	CMD-C2D-C1D	7.71	138.31	124.73
14	W	1701	CLA	CMD-C2D-C1D	7.71	138.31	124.73
14	G	802	CLA	CMD-C2D-C1D	7.70	138.29	124.73
14	X	1701	CLA	CMD-C2D-C1D	7.69	138.28	124.73
16	M	1602	BCR	C20-C19-C18	7.69	147.44	126.36
16	R	102	BCR	C20-C19-C18	7.69	147.44	126.36
14	A	832	CLA	CMD-C2D-C1D	7.68	138.26	124.73
14	a	825	CLA	CMD-C2D-C1D	7.67	138.24	124.73
14	a	833	CLA	CMD-C2D-C1D	7.67	138.24	124.73
14	G	839	CLA	CMD-C2D-C1D	7.65	138.20	124.73
16	b	843	BCR	C20-C19-C18	7.65	147.34	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	818	CLA	CMD-C2D-C1D	7.63	138.17	124.73
14	b	824	CLA	CMD-C2D-C1D	7.63	138.16	124.73
14	x	1701	CLA	CMD-C2D-C1D	7.63	138.16	124.73
16	H	845	BCR	C20-C19-C18	7.62	147.27	126.36
14	H	829	CLA	CMD-C2D-C1D	7.62	138.14	124.73
14	b	808	CLA	CMD-C2D-C1D	7.61	138.13	124.73
14	G	832	CLA	CMD-C2D-C1D	7.61	138.13	124.73
14	b	833	CLA	CMD-C2D-C1D	7.61	138.13	124.73
14	B	838	CLA	CMD-C2D-C1D	7.60	138.12	124.73
16	I	101	BCR	C20-C19-C18	7.59	147.18	126.36
16	m	1203	BCR	C20-C19-C18	7.59	147.17	126.36
14	a	829	CLA	CMD-C2D-C1D	7.59	138.09	124.73
14	b	826	CLA	CMD-C2D-C1D	7.59	138.09	124.73
16	i	101	BCR	C20-C19-C18	7.58	147.15	126.36
14	B	815	CLA	CMD-C2D-C1D	7.58	138.08	124.73
16	B	845	BCR	C20-C19-C18	7.57	147.13	126.36
16	H	852	BCR	C11-C10-C9	7.57	137.90	127.28
14	b	813	CLA	C4A-NA-C1A	7.53	110.12	106.68
14	L	201	CLA	CMD-C2D-C1D	7.51	137.95	124.73
14	a	813	CLA	O2D-CGD-CBD	7.50	124.34	111.23
14	B	827	CLA	CMD-C2D-C1D	7.49	137.91	124.73
14	U	201	CLA	CMD-C2D-C1D	7.48	137.90	124.73
16	A	847	BCR	C20-C19-C18	7.48	146.87	126.36
14	G	828	CLA	CMD-C2D-C1D	7.47	137.89	124.73
14	R	101	CLA	CMD-C2D-C1D	7.46	137.87	124.73
14	B	812	CLA	CMD-C2D-C1D	7.46	137.86	124.73
14	A	803	CLA	CMD-C2D-C1D	7.43	137.81	124.73
14	B	829	CLA	CMD-C2D-C1D	7.43	137.81	124.73
16	a	847	BCR	C20-C19-C18	7.41	146.67	126.36
14	a	832	CLA	CMD-C2D-C1D	7.39	137.75	124.73
14	H	839	CLA	CMD-C2D-C1D	7.39	137.75	124.73
16	G	846	BCR	C20-C19-C18	7.39	146.62	126.36
14	H	834	CLA	CMD-C2D-C1D	7.38	137.72	124.73
14	b	809	CLA	CMD-C2D-C1D	7.38	137.72	124.73
14	A	828	CLA	CMD-C2D-C1D	7.37	137.70	124.73
14	H	815	CLA	CMD-C2D-C1D	7.35	137.66	124.73
14	A	829	CLA	CMD-C2D-C1D	7.33	137.65	124.73
16	l	201	BCR	C20-C19-C18	7.33	146.45	126.36
14	b	822	CLA	CMD-C2D-C1D	7.31	137.61	124.73
16	U	202	BCR	C20-C19-C18	7.31	146.39	126.36
14	G	851	CLA	C4A-NA-C1A	7.30	110.01	106.68
16	l	206	BCR	C24-C23-C22	-7.29	115.45	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	842	CLA	CMD-C2D-C1D	7.28	137.54	124.73
16	B	848	BCR	C20-C19-C18	7.28	146.32	126.36
16	L	202	BCR	C20-C19-C18	7.27	146.31	126.36
14	b	812	CLA	CMD-C2D-C1D	7.27	137.53	124.73
14	G	824	CLA	CMD-C2D-C1D	7.24	137.48	124.73
16	U	203	BCR	C20-C19-C18	7.24	146.21	126.36
16	b	846	BCR	C20-C19-C18	7.23	146.20	126.36
14	B	834	CLA	CMD-C2D-C1D	7.23	137.46	124.73
14	B	825	CLA	CMD-C2D-C1D	7.23	137.46	124.73
16	H	848	BCR	C20-C19-C18	7.22	146.15	126.36
16	L	207	BCR	C20-C19-C18	7.21	146.14	126.36
16	A	849	BCR	C20-C19-C18	7.19	146.08	126.36
16	G	847	BCR	C20-C19-C18	7.19	146.08	126.36
14	a	828	CLA	CMD-C2D-C1D	7.17	137.35	124.73
16	l	206	BCR	C20-C19-C18	7.17	146.02	126.36
16	a	848	BCR	C20-C19-C18	7.15	145.97	126.36
14	H	825	CLA	CMD-C2D-C1D	7.15	137.31	124.73
16	A	848	BCR	C20-C19-C18	7.14	145.94	126.36
16	a	844	BCR	C20-C19-C18	7.10	145.84	126.36
16	L	209	BCR	C20-C19-C18	7.10	145.82	126.36
16	U	208	BCR	C20-C19-C18	7.09	145.79	126.36
14	H	812	CLA	C2C-C1C-NC	7.06	117.40	109.98
14	a	841	CLA	CMD-C2D-C1D	7.06	137.16	124.73
16	A	846	BCR	C20-C19-C18	7.04	145.65	126.36
16	a	849	BCR	C20-C19-C18	7.02	145.62	126.36
14	B	806	CLA	C4A-NA-C1A	7.02	109.88	106.68
16	l	202	BCR	C20-C19-C18	7.02	145.60	126.36
14	H	811	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	B	844	BCR	C20-C19-C18	7.00	145.57	126.36
16	H	844	BCR	C20-C19-C18	7.00	145.54	126.36
16	G	845	BCR	C20-C19-C18	6.99	145.54	126.36
14	b	808	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	a	846	BCR	C20-C19-C18	6.98	145.50	126.36
14	H	805	CLA	CMD-C2D-C1D	6.98	137.02	124.73
16	b	842	BCR	C20-C19-C18	6.98	145.50	126.36
14	A	824	CLA	C2C-C1C-NC	6.96	117.29	109.98
16	b	844	BCR	C20-C19-C18	6.96	145.43	126.36
14	b	832	CLA	CMD-C2D-C1D	6.95	136.97	124.73
16	G	843	BCR	C20-C19-C18	6.92	145.35	126.36
16	H	846	BCR	C20-C19-C18	6.92	145.33	126.36
16	b	848	BCR	C20-C19-C18	6.92	145.33	126.36
14	a	839	CLA	C2C-C1C-NC	6.91	117.24	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	L	207	BCR	C24-C23-C22	-6.91	116.01	126.23
14	A	852	CLA	CMD-C2D-C1D	6.91	136.89	124.73
14	A	840	CLA	CMD-C2D-C1D	6.89	136.86	124.73
16	B	846	BCR	C20-C19-C18	6.89	145.25	126.36
14	a	802	CLA	CMD-C2D-C1D	6.88	136.85	124.73
14	B	811	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	A	844	BCR	C20-C19-C18	6.82	145.06	126.36
14	A	833	CLA	CMD-C2D-C1D	6.79	136.68	124.73
14	a	807	CLA	O2D-CGD-CBD	6.79	123.10	111.23
14	G	840	CLA	CMD-C2D-C1D	6.78	136.66	124.73
16	G	848	BCR	C20-C19-C18	6.78	144.94	126.36
14	b	809	CLA	C2C-C1C-NC	6.76	117.08	109.98
14	a	852	CLA	CMD-C2D-C1D	6.74	136.60	124.73
14	a	853	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	B	829	CLA	C2C-C1C-NC	6.71	117.03	109.98
14	G	817	CLA	O2D-CGD-CBD	6.71	122.95	111.23
14	G	807	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	H	806	CLA	CMD-C2D-C1D	6.69	136.51	124.73
14	A	813	CLA	O2D-CGD-CBD	6.68	122.90	111.23
14	A	807	CLA	O2D-CGD-CBD	6.65	122.85	111.23
15	G	842	PQN	C17-C16-C15	-6.64	95.57	113.26
16	b	845	BCR	C10-C11-C12	6.63	142.43	123.20
14	Q	202	CLA	CMD-C2D-C1D	6.63	136.40	124.73
16	Q	203	BCR	C20-C19-C18	6.62	144.52	126.36
14	G	813	CLA	O2D-CGD-CBD	6.61	122.79	111.23
14	b	816	CLA	C2C-C1C-NC	6.61	116.92	109.98
16	F	202	BCR	C20-C19-C18	6.60	144.46	126.36
16	f	201	BCR	C20-C19-C18	6.60	144.46	126.36
13	a	801	CL0	CMD-C2D-C1D	6.60	136.34	124.73
16	H	850	BCR	C20-C19-C18	6.57	144.38	126.36
14	A	809	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	b	827	CLA	C2C-C1C-NC	6.56	116.87	109.98
14	b	831	CLA	C2C-C1C-NC	6.55	116.86	109.98
14	B	830	CLA	C2C-C1C-NC	6.55	116.86	109.98
16	B	852	BCR	C20-C19-C18	6.54	144.29	126.36
14	G	809	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	B	823	CLA	C2C-C1C-NC	6.53	116.84	109.98
14	G	838	CLA	C2C-C1C-NC	6.52	116.83	109.98
14	L	201	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	B	819	CLA	C2C-C1C-NC	6.51	116.82	109.98
14	B	822	CLA	CMD-C2D-C1D	6.51	136.19	124.73
14	B	838	CLA	C2C-C1C-NC	6.51	116.82	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	830	CLA	C2C-C1C-NC	6.50	116.81	109.98
16	b	850	BCR	C20-C19-C18	6.49	144.15	126.36
14	b	836	CLA	C2C-C1C-NC	6.47	116.78	109.98
14	b	808	CLA	C2C-C1C-NC	6.47	116.78	109.98
14	G	805	CLA	C2C-C1C-NC	6.47	116.78	109.98
14	H	819	CLA	C2C-C1C-NC	6.47	116.78	109.98
14	H	812	CLA	CMD-C2D-C1D	6.46	136.10	124.73
16	B	850	BCR	C20-C19-C18	6.44	144.03	126.36
13	G	801	CL0	CMD-C2D-C1D	6.43	136.05	124.73
14	G	818	CLA	C2C-C1C-NC	6.43	116.73	109.98
14	B	842	CLA	C2C-C1C-NC	6.43	116.73	109.98
14	H	838	CLA	C2C-C1C-NC	6.43	116.73	109.98
14	b	840	CLA	C4A-NA-C1A	6.42	109.61	106.68
16	H	849	BCR	C20-C19-C18	6.42	143.96	126.36
14	A	812	CLA	C1C-C2C-C3C	-6.41	100.24	106.98
14	A	837	CLA	C2C-C1C-NC	6.40	116.70	109.98
14	G	824	CLA	C2C-C1C-NC	6.40	116.70	109.98
14	A	822	CLA	C2C-C1C-NC	6.39	116.69	109.98
14	H	816	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	a	837	CLA	C2C-C1C-NC	6.38	116.68	109.98
14	B	812	CLA	C2C-C1C-NC	6.37	116.67	109.98
14	b	804	CLA	CMD-C2D-C1D	6.37	135.95	124.73
14	a	824	CLA	C2C-C1C-NC	6.37	116.67	109.98
14	a	803	CLA	O2D-CGD-CBD	6.36	122.35	111.23
14	a	809	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	U	201	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	G	821	CLA	C2C-C1C-NC	6.36	116.66	109.98
14	G	808	CLA	C2C-C1C-NC	6.36	116.66	109.98
14	G	837	CLA	C2C-C1C-NC	6.35	116.65	109.98
16	H	852	BCR	C20-C19-C18	6.35	143.77	126.36
16	B	849	BCR	C20-C19-C18	6.34	143.76	126.36
13	A	801	CL0	C2C-C1C-NC	6.34	116.64	109.98
14	G	839	CLA	C2C-C1C-NC	6.34	116.64	109.98
14	B	836	CLA	C2C-C1C-NC	6.34	116.64	109.98
16	b	847	BCR	C20-C19-C18	6.34	143.75	126.36
14	a	840	CLA	C2C-C1C-NC	6.34	116.64	109.98
14	B	831	CLA	O2D-CGD-CBD	6.33	122.30	111.23
14	H	836	CLA	C2C-C1C-NC	6.33	116.63	109.98
14	A	839	CLA	C2C-C1C-NC	6.32	116.62	109.98
14	a	810	CLA	C2C-C1C-NC	6.32	116.62	109.98
14	G	838	CLA	C1C-C2C-C3C	-6.32	100.33	106.98
14	H	813	CLA	C2C-C1C-NC	6.32	116.62	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1601	CLA	C2C-C1C-NC	6.32	116.61	109.98
14	B	842	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	a	842	CLA	C2C-C1C-NC	6.31	116.61	109.98
14	a	835	CLA	C2C-C1C-NC	6.30	116.60	109.98
14	H	825	CLA	O2D-CGD-CBD	6.30	122.25	111.23
14	a	838	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	b	820	CLA	C2C-C1C-NC	6.29	116.58	109.98
14	b	840	CLA	C2C-C1C-NC	6.28	116.58	109.98
14	H	842	CLA	C2C-C1C-NC	6.28	116.58	109.98
14	H	832	CLA	C2C-C1C-NC	6.28	116.57	109.98
14	b	828	CLA	O2D-CGD-CBD	6.27	122.20	111.23
14	A	828	CLA	C2C-C1C-NC	6.27	116.56	109.98
14	a	828	CLA	C2C-C1C-NC	6.27	116.56	109.98
14	A	818	CLA	C2C-C1C-NC	6.26	116.56	109.98
14	a	822	CLA	C2C-C1C-NC	6.26	116.56	109.98
14	G	841	CLA	C2C-C1C-NC	6.26	116.56	109.98
14	a	818	CLA	C2C-C1C-NC	6.26	116.55	109.98
14	a	839	CLA	C1C-C2C-C3C	-6.25	100.40	106.98
14	a	821	CLA	C2C-C1C-NC	6.25	116.55	109.98
14	H	806	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	A	838	CLA	C2C-C1C-NC	6.24	116.53	109.98
14	H	831	CLA	O2D-CGD-CBD	6.24	122.13	111.23
14	H	823	CLA	C2C-C1C-NC	6.24	116.53	109.98
16	H	847	BCR	C24-C23-C22	-6.24	117.01	126.23
14	G	822	CLA	C2C-C1C-NC	6.23	116.53	109.98
14	b	834	CLA	C2C-C1C-NC	6.23	116.53	109.98
14	b	835	CLA	C2C-C1C-NC	6.23	116.52	109.98
14	H	807	CLA	O2D-CGD-CBD	6.23	122.12	111.23
14	H	837	CLA	C2C-C1C-NC	6.22	116.52	109.98
14	B	813	CLA	C2C-C1C-NC	6.22	116.51	109.98
14	m	1202	CLA	C2C-C1C-NC	6.21	116.51	109.98
14	B	822	CLA	C2C-C1C-NC	6.21	116.51	109.98
14	B	828	CLA	C2C-C1C-NC	6.21	116.51	109.98
14	b	819	CLA	C2C-C1C-NC	6.21	116.50	109.98
14	a	852	CLA	O2D-CGD-CBD	6.21	122.08	111.23
14	B	819	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	R	101	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	a	831	CLA	C2C-C1C-NC	6.20	116.49	109.98
14	M	1601	CLA	C2C-C1C-NC	6.20	116.49	109.98
14	A	842	CLA	C2C-C1C-NC	6.20	116.49	109.98
16	A	845	BCR	C20-C19-C18	6.19	143.35	126.36
14	H	840	CLA	C2C-C1C-NC	6.19	116.48	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	810	CLA	C2C-C1C-NC	6.19	116.48	109.98
14	J	1301	CLA	C2C-C1C-NC	6.19	116.48	109.98
16	G	844	BCR	C20-C19-C18	6.19	143.33	126.36
14	a	829	CLA	O2D-CGD-CBD	6.18	122.04	111.23
14	R	101	CLA	C2C-C1C-NC	6.18	116.47	109.98
14	H	815	CLA	CAC-C3C-C4C	6.18	132.83	124.79
16	a	845	BCR	C20-C19-C18	6.18	143.30	126.36
14	b	808	CLA	O2D-CGD-CBD	6.18	122.03	111.23
14	m	1201	CLA	O2D-CGD-CBD	6.17	122.03	111.23
14	A	836	CLA	C2C-C1C-NC	6.17	116.47	109.98
14	B	837	CLA	C2C-C1C-NC	6.17	116.46	109.98
14	H	811	CLA	O2D-CGD-CBD	6.17	122.01	111.23
14	H	828	CLA	C2C-C1C-NC	6.16	116.45	109.98
14	b	808	CLA	C1C-C2C-C3C	-6.16	100.50	106.98
14	G	806	CLA	O2D-CGD-CBD	6.16	122.00	111.23
14	G	836	CLA	C2C-C1C-NC	6.16	116.45	109.98
14	H	818	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	H	806	CLA	O2D-CGD-CBD	6.15	121.98	111.23
13	a	801	CL0	C2C-C1C-NC	6.15	116.44	109.98
14	B	810	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	B	821	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	H	810	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	a	836	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	A	835	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	A	812	CLA	C3D-C2D-C1D	-6.15	97.44	105.83
14	A	831	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	U	201	CLA	C2C-C1C-NC	6.14	116.44	109.98
14	A	821	CLA	C2C-C1C-NC	6.14	116.44	109.98
14	G	835	CLA	C2C-C1C-NC	6.14	116.43	109.98
14	a	853	CLA	C2D-C1D-ND	6.14	116.20	110.13
14	H	831	CLA	C2C-C1C-NC	6.14	116.43	109.98
16	B	847	BCR	C24-C23-C22	-6.14	117.16	126.23
14	a	808	CLA	C2C-C1C-NC	6.13	116.42	109.98
13	G	801	CL0	C2C-C1C-NC	6.13	116.42	109.98
14	A	830	CLA	O2D-CGD-CBD	6.13	121.94	111.23
14	B	825	CLA	CMA-C3A-C2A	-6.13	90.29	113.98
14	G	832	CLA	O2D-CGD-CBD	6.12	121.94	111.23
14	A	828	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	b	807	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	A	810	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	k	102	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	A	819	CLA	C2C-C1C-NC	6.12	116.41	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	812	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	a	812	CLA	C3D-C2D-C1D	-6.11	97.49	105.83
14	L	201	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	H	829	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	T	101	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	A	829	CLA	O2D-CGD-CBD	6.11	121.91	111.23
14	T	102	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	A	852	CLA	O2D-CGD-CBD	6.10	121.90	111.23
14	J	1303	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	B	805	CLA	C4A-NA-C1A	6.10	109.46	106.68
14	H	826	CLA	C3B-C2B-C1B	-6.10	99.98	107.17
16	b	845	BCR	C24-C23-C22	-6.10	117.21	126.23
14	A	832	CLA	O2D-CGD-CBD	6.09	121.88	111.23
14	K	1401	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	k	101	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	a	830	CLA	O2D-CGD-CBD	6.09	121.88	111.23
14	G	828	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	B	840	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	L	204	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	a	819	CLA	C2C-C1C-NC	6.08	116.37	109.98
14	H	822	CLA	CMD-C2D-C1D	6.08	135.44	124.73
14	B	823	CLA	C1C-C2C-C3C	-6.08	100.59	106.98
14	H	842	CLA	C4A-NA-C1A	6.07	109.45	106.68
14	H	825	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	B	832	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	G	812	CLA	C3D-C2D-C1D	-6.07	97.55	105.83
14	H	832	CLA	C1C-C2C-C3C	-6.07	100.60	106.98
14	G	829	CLA	O2D-CGD-CBD	6.07	121.84	111.23
14	G	831	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	H	822	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	a	832	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	b	837	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	A	810	CLA	C4A-NA-C1A	6.06	109.44	106.68
14	b	829	CLA	C2C-C1C-NC	6.06	116.34	109.98
14	G	810	CLA	C2C-C1C-NC	6.06	116.34	109.98
14	B	811	CLA	O2D-CGD-CBD	6.06	121.82	111.23
14	b	815	CLA	C2C-C1C-NC	6.06	116.34	109.98
14	G	830	CLA	O2D-CGD-CBD	6.05	121.81	111.23
14	j	1302	CLA	C2C-C1C-NC	6.05	116.34	109.98
14	G	832	CLA	C2C-C1C-NC	6.05	116.34	109.98
14	B	811	CLA	C2C-C1C-NC	6.05	116.33	109.98
14	l	203	CLA	C2C-C1C-NC	6.03	116.32	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	818	CLA	C2C-C1C-NC	6.03	116.31	109.98
14	S	102	CLA	C2C-C1C-NC	6.03	116.31	109.98
14	B	827	CLA	O2D-CGD-CBD	6.03	121.77	111.23
14	A	840	CLA	C2C-C1C-NC	6.03	116.31	109.98
14	A	821	CLA	C4A-NA-C1A	6.03	109.43	106.68
14	A	832	CLA	C2C-C1C-NC	6.02	116.31	109.98
14	H	816	CLA	C1D-ND-C4D	-6.02	102.09	106.31
14	B	825	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	b	838	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	H	838	CLA	CMD-C2D-C1D	6.02	135.32	124.73
14	G	819	CLA	C2C-C1C-NC	6.01	116.30	109.98
14	j	1303	CLA	C2C-C1C-NC	6.01	116.29	109.98
14	x	1701	CLA	C2C-C1C-NC	6.01	116.29	109.98
14	a	805	CLA	C2C-C1C-NC	6.00	116.29	109.98
14	U	205	CLA	C2C-C1C-NC	6.00	116.28	109.98
14	a	816	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	a	810	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	a	841	CLA	C2C-C1C-NC	5.99	116.28	109.98
14	B	839	CLA	C2C-C1C-NC	5.99	116.28	109.98
14	j	1301	CLA	C2C-C1C-NC	5.99	116.28	109.98
14	G	826	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	W	1701	CLA	C2C-C1C-NC	5.98	116.27	109.98
14	H	827	CLA	O2D-CGD-CBD	5.98	121.69	111.23
14	b	814	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	G	840	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	X	1701	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	H	833	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	G	815	CLA	C2C-C1C-NC	5.97	116.25	109.98
14	G	803	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	G	828	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	b	818	CLA	C4A-NA-C1A	5.96	109.40	106.68
14	G	817	CLA	C2C-C1C-NC	5.96	116.25	109.98
14	b	824	CLA	O2D-CGD-CBD	5.96	121.66	111.23
14	A	852	CLA	CMC-C2C-C1C	5.96	134.35	125.03
14	a	853	CLA	C3B-C2B-C1B	-5.96	100.15	107.17
14	a	832	CLA	O2D-CGD-CBD	5.95	121.64	111.23
14	b	825	CLA	C2C-C1C-NC	5.95	116.23	109.98
14	B	827	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	S	101	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	G	818	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	a	815	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	a	816	CLA	C2C-C1C-NC	5.94	116.22	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	827	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	B	823	CLA	O2D-CGD-CBD	5.94	121.61	111.23
14	H	807	CLA	C3B-C2B-C1B	-5.94	100.17	107.17
14	A	812	CLA	C4A-NA-C1A	5.93	109.38	106.68
14	b	822	CLA	C2C-C1C-NC	5.93	116.21	109.98
14	Q	202	CLA	C2C-C1C-NC	5.93	116.21	109.98
14	b	805	CLA	O2A-CGA-O1A	-5.93	108.80	123.63
14	a	825	CLA	O2D-CGD-CBD	5.93	121.59	111.23
14	H	818	CLA	C3B-C2B-C1B	-5.93	100.19	107.17
14	G	812	CLA	C2D-C1D-ND	5.92	115.99	110.13
14	B	806	CLA	C3B-C2B-C1B	-5.92	100.19	107.17
14	a	807	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	A	803	CLA	C4A-NA-C1A	5.92	109.38	106.68
14	a	828	CLA	C4A-NA-C1A	5.92	109.38	106.68
14	A	802	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	B	833	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	F	201	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	B	805	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	B	834	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	a	838	CLA	C2C-C1C-NC	5.92	116.19	109.98
14	b	832	CLA	C2C-C1C-NC	5.92	116.19	109.98
16	H	847	BCR	C7-C8-C9	-5.91	117.48	126.23
14	a	811	CLA	C2C-C1C-NC	5.91	116.19	109.98
14	b	830	CLA	C2C-C1C-NC	5.91	116.19	109.98
14	H	819	CLA	C4A-NA-C1A	5.91	109.38	106.68
14	H	811	CLA	C2D-C1D-ND	5.91	115.97	110.13
14	b	826	CLA	C3B-C2B-C1B	-5.91	100.21	107.17
14	G	805	CLA	C1C-C2C-C3C	-5.91	100.77	106.98
14	B	842	CLA	C1C-C2C-C3C	-5.90	100.77	106.98
14	a	810	CLA	C1C-C2C-C3C	-5.90	100.78	106.98
14	A	812	CLA	C2D-C1D-ND	5.90	115.96	110.13
14	b	804	CLA	C4A-NA-C1A	5.90	109.37	106.68
14	b	812	CLA	CAC-C3C-C4C	5.89	132.46	124.79
14	A	817	CLA	C2C-C1C-NC	5.89	116.17	109.98
14	B	820	CLA	C2C-C1C-NC	5.89	116.17	109.98
14	H	816	CLA	C2C-C1C-NC	5.89	116.16	109.98
14	a	826	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	a	813	CLA	C3B-C2B-C1B	-5.88	100.23	107.17
14	B	816	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	b	824	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	B	808	CLA	O2A-CGA-O1A	-5.87	108.93	123.63
14	H	811	CLA	C2C-C1C-NC	5.87	116.15	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	814	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	G	802	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	B	807	CLA	O2D-CGD-CBD	5.87	121.49	111.23
14	G	804	CLA	C3B-C2B-C1B	-5.86	100.26	107.17
14	H	805	CLA	O2D-CGD-CBD	5.86	121.48	111.23
14	b	805	CLA	C4A-NA-C1A	5.86	109.35	106.68
14	G	825	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	B	817	CLA	C4A-NA-C1A	5.86	109.35	106.68
14	a	802	CLA	C2C-C1C-NC	5.86	116.13	109.98
14	H	820	CLA	C2C-C1C-NC	5.86	116.13	109.98
14	H	827	CLA	C2C-C1C-NC	5.85	116.13	109.98
14	T	102	CLA	O2D-CGD-CBD	5.85	121.46	111.23
14	A	814	CLA	C2C-C1C-NC	5.85	116.13	109.98
14	b	817	CLA	C2C-C1C-NC	5.85	116.13	109.98
14	b	827	CLA	O2D-CGD-CBD	5.85	121.46	111.23
14	a	830	CLA	C2C-C1C-NC	5.85	116.12	109.98
14	H	838	CLA	C2D-C1D-ND	5.85	115.91	110.13
14	b	823	CLA	C2D-C1D-ND	5.84	115.91	110.13
14	G	811	CLA	C2C-C1C-NC	5.84	116.12	109.98
14	A	803	CLA	O2D-CGD-CBD	5.84	121.44	111.23
14	A	815	CLA	C2C-C1C-NC	5.84	116.12	109.98
14	A	804	CLA	O2D-CGD-CBD	5.84	121.44	111.23
14	B	832	CLA	C1C-C2C-C3C	-5.84	100.84	106.98
14	B	841	CLA	C2C-C1C-NC	5.84	116.11	109.98
14	G	817	CLA	C3B-C2B-C1B	-5.84	100.29	107.17
14	H	808	CLA	O2A-CGA-O1A	-5.83	109.04	123.63
16	V	1602	BCR	C7-C8-C9	-5.83	117.61	126.23
14	A	813	CLA	C3B-C2B-C1B	-5.83	100.30	107.17
14	b	803	CLA	C2C-C1C-NC	5.83	116.10	109.98
14	G	813	CLA	C3B-C2B-C1B	-5.83	100.30	107.17
14	H	839	CLA	C2C-C1C-NC	5.82	116.10	109.98
14	b	829	CLA	C1C-C2C-C3C	-5.82	100.86	106.98
14	B	804	CLA	C2C-C1C-NC	5.82	116.10	109.98
14	H	805	CLA	C2C-C1C-NC	5.82	116.09	109.98
14	a	823	CLA	C2C-C1C-NC	5.82	116.09	109.98
14	A	805	CLA	C2C-C1C-NC	5.81	116.09	109.98
16	B	847	BCR	C7-C8-C9	-5.81	117.64	126.23
14	b	802	CLA	C3B-C2B-C1B	-5.81	100.32	107.17
14	a	808	CLA	C1C-C2C-C3C	-5.81	100.87	106.98
14	G	816	CLA	C2C-C1C-NC	5.81	116.08	109.98
14	G	810	CLA	C4A-NA-C1A	5.81	109.33	106.68
14	G	822	CLA	C4A-NA-C1A	5.81	109.33	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	m	1201	CLA	C4A-NA-C1A	5.80	109.33	106.68
14	A	852	CLA	O2A-C1-C2	5.80	130.44	108.11
14	A	834	CLA	O2D-CGD-CBD	5.80	121.37	111.23
14	G	807	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	A	809	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	H	804	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	K	1401	CLA	O2D-CGD-CBD	5.79	121.36	111.23
14	G	830	CLA	C2C-C1C-NC	5.79	116.07	109.98
14	a	834	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	G	851	CLA	C3B-C2B-C1B	-5.79	100.34	107.17
14	B	824	CLA	C4A-NA-C1A	5.79	109.32	106.68
14	A	816	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	G	821	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	a	812	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	A	810	CLA	C1C-C2C-C3C	-5.78	100.90	106.98
14	A	811	CLA	C2C-C1C-NC	5.78	116.05	109.98
14	G	821	CLA	C4A-NA-C1A	5.78	109.31	106.68
14	A	830	CLA	C2C-C1C-NC	5.77	116.05	109.98
14	H	813	CLA	C1C-C2C-C3C	-5.77	100.91	106.98
14	a	841	CLA	C4A-NA-C1A	5.76	109.31	106.68
14	b	804	CLA	O2D-CGD-CBD	5.76	121.30	111.23
14	a	814	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	A	838	CLA	C1C-C2C-C3C	-5.76	100.92	106.98
14	B	829	CLA	C3B-C2B-C1B	-5.76	100.39	107.17
14	B	802	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	U	207	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	A	833	CLA	O2A-CGA-O1A	-5.75	109.24	123.63
16	H	847	BCR	C34-C9-C10	-5.75	113.50	122.82
14	a	825	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	A	803	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	G	810	CLA	C1C-C2C-C3C	-5.74	100.94	106.98
14	a	821	CLA	C4A-NA-C1A	5.74	109.30	106.68
14	L	204	CLA	O2D-CGD-CBD	5.74	121.26	111.23
14	G	834	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	A	823	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	l	203	CLA	O2D-CGD-CBD	5.74	121.26	111.23
14	b	821	CLA	C3B-C2B-C1B	-5.74	100.41	107.17
14	G	803	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	H	824	CLA	C4A-NA-C1A	5.73	109.30	106.68
14	B	815	CLA	C2D-C1D-ND	5.73	115.80	110.13
14	H	804	CLA	C3B-C2B-C1B	-5.73	100.42	107.17
14	J	1302	CLA	C2C-C1C-NC	5.73	116.00	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	816	CLA	C1C-C2C-C3C	-5.73	100.96	106.98
14	G	808	CLA	C1C-C2C-C3C	-5.72	100.96	106.98
14	A	825	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	a	820	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	H	841	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	G	833	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	A	821	CLA	C1C-C2C-C3C	-5.72	100.97	106.98
14	A	833	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	B	809	CLA	C2C-C1C-NC	5.72	115.98	109.98
14	B	803	CLA	C2C-C1C-NC	5.71	115.98	109.98
14	G	833	CLA	O2A-CGA-O1A	-5.71	109.34	123.63
14	G	819	CLA	O2D-CGD-CBD	5.71	121.22	111.23
14	G	814	CLA	O2D-CGD-CBD	5.71	121.22	111.23
14	G	825	CLA	C3B-C2B-C1B	-5.71	100.44	107.17
14	G	820	CLA	C2C-C1C-NC	5.71	115.98	109.98
14	A	825	CLA	C3B-C2B-C1B	-5.71	100.44	107.17
14	G	815	CLA	C1C-C2C-C3C	-5.71	100.97	106.98
14	b	812	CLA	C2D-C1D-ND	5.71	115.77	110.13
14	a	821	CLA	C1C-C2C-C3C	-5.71	100.98	106.98
14	a	817	CLA	C2C-C1C-NC	5.71	115.97	109.98
14	A	807	CLA	C2C-C1C-NC	5.70	115.97	109.98
14	A	840	CLA	C4A-NA-C1A	5.70	109.28	106.68
14	B	804	CLA	C3B-C2B-C1B	-5.70	100.45	107.17
14	A	804	CLA	C2D-C1D-ND	5.70	115.77	110.13
14	A	826	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	k	102	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	A	819	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	H	816	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	a	833	CLA	O2A-CGA-O1A	-5.70	109.38	123.63
14	a	825	CLA	C3B-C2B-C1B	-5.69	100.46	107.17
14	H	829	CLA	C3B-C2B-C1B	-5.69	100.46	107.17
14	A	836	CLA	O2D-CGD-CBD	5.69	121.18	111.23
14	L	205	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	b	820	CLA	O2D-CGD-CBD	5.69	121.17	111.23
14	b	806	CLA	C2C-C1C-NC	5.69	115.95	109.98
14	b	840	CLA	C1C-C2C-C3C	-5.69	101.00	106.98
14	H	827	CLA	C3B-C2B-C1B	-5.69	100.47	107.17
14	G	835	CLA	C1C-C2C-C3C	-5.68	101.00	106.98
14	G	851	CLA	C2C-C1C-NC	5.68	115.95	109.98
14	b	814	CLA	O2D-CGD-CBD	5.68	121.16	111.23
14	H	820	CLA	C3B-C2B-C1B	-5.68	100.47	107.17
14	H	838	CLA	C3D-C2D-C1D	-5.68	98.08	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	824	CLA	C3B-C2B-C1B	-5.67	100.48	107.17
14	b	816	CLA	C1C-C2C-C3C	-5.67	101.02	106.98
14	H	808	CLA	O2D-CGD-CBD	5.67	121.14	111.23
14	a	804	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	B	831	CLA	C2C-C1C-NC	5.67	115.94	109.98
14	B	820	CLA	C3B-C2B-C1B	-5.67	100.49	107.17
14	H	806	CLA	C2C-C1C-NC	5.67	115.93	109.98
14	U	205	CLA	C2D-C1D-ND	5.67	115.73	110.13
14	B	807	CLA	C3B-C2B-C1B	-5.66	100.49	107.17
14	b	817	CLA	C3B-C2B-C1B	-5.66	100.49	107.17
14	H	802	CLA	C3B-C2B-C1B	-5.66	100.50	107.17
14	a	803	CLA	C4A-NA-C1A	5.66	109.26	106.68
14	H	808	CLA	C3D-C2D-C1D	-5.66	98.10	105.83
14	b	811	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	b	828	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	a	809	CLA	C2C-C1C-NC	5.66	115.92	109.98
14	B	807	CLA	C4A-NA-C1A	5.66	109.26	106.68
14	H	817	CLA	C4A-NA-C1A	5.66	109.26	106.68
14	H	834	CLA	C2C-C1C-NC	5.66	115.92	109.98
14	H	819	CLA	C1C-C2C-C3C	-5.66	101.03	106.98
14	b	812	CLA	C3D-C2D-C1D	-5.65	98.11	105.83
14	G	809	CLA	C2C-C1C-NC	5.65	115.92	109.98
14	L	206	CLA	C2C-C1C-NC	5.65	115.92	109.98
14	H	838	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
14	G	803	CLA	O2D-CGD-CBD	5.65	121.11	111.23
14	B	813	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
16	H	849	BCR	C7-C8-C9	-5.65	117.88	126.23
14	l	205	CLA	C2C-C1C-NC	5.65	115.91	109.98
14	G	812	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
14	l	203	CLA	C2D-C1D-ND	5.64	115.71	110.13
14	A	806	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	a	853	CLA	O2D-CGD-CBD	5.64	121.09	111.23
14	b	814	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	G	812	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
14	A	852	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
14	G	834	CLA	O2D-CGD-CBD	5.64	121.09	111.23
14	B	808	CLA	O2D-CGD-CBD	5.64	121.09	111.23
14	b	818	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	b	839	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	B	817	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	B	816	CLA	O2D-CGD-CBD	5.63	121.08	111.23
14	H	805	CLA	C4A-NA-C1A	5.63	109.25	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	807	CLA	C4A-NA-C1A	5.63	109.25	106.68
14	b	809	CLA	C4A-NA-C1A	5.63	109.25	106.68
14	A	808	CLA	C2C-C1C-NC	5.63	115.89	109.98
14	b	829	CLA	O2D-CGD-CBD	5.63	121.07	111.23
14	b	815	CLA	C4A-NA-C1A	5.63	109.25	106.68
16	V	1602	BCR	C24-C23-C22	-5.63	117.91	126.23
14	A	803	CLA	C3B-C2B-C1B	-5.63	100.54	107.17
14	A	852	CLA	C2D-C1D-ND	5.63	115.69	110.13
14	B	808	CLA	C3B-C2B-C1B	-5.62	100.54	107.17
14	b	837	CLA	C1C-C2C-C3C	-5.62	101.07	106.98
14	A	836	CLA	C4A-NA-C1A	5.62	109.24	106.68
14	a	812	CLA	C2D-C1D-ND	5.62	115.69	110.13
14	a	818	CLA	C4A-NA-C1A	5.62	109.24	106.68
14	a	852	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
14	a	852	CLA	C2D-C1D-ND	5.62	115.69	110.13
14	l	204	CLA	C2C-C1C-NC	5.62	115.88	109.98
14	A	824	CLA	C1C-C2C-C3C	-5.62	101.07	106.98
14	G	803	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
14	A	833	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
14	H	803	CLA	C2C-C1C-NC	5.62	115.88	109.98
14	b	833	CLA	C2C-C1C-NC	5.61	115.88	109.98
14	H	831	CLA	C1C-C2C-C3C	-5.61	101.08	106.98
14	H	808	CLA	C3B-C2B-C1B	-5.61	100.56	107.17
14	m	1201	CLA	C3B-C2B-C1B	-5.61	100.56	107.17
14	a	826	CLA	O2D-CGD-CBD	5.61	121.04	111.23
14	B	820	CLA	C4A-NA-C1A	5.61	109.24	106.68
14	B	815	CLA	C2C-C1C-NC	5.61	115.87	109.98
14	B	817	CLA	O2D-CGD-CBD	5.61	121.03	111.23
14	A	827	CLA	C2C-C1C-NC	5.61	115.87	109.98
14	b	804	CLA	C2C-C1C-NC	5.60	115.87	109.98
14	A	837	CLA	C1C-C2C-C3C	-5.60	101.09	106.98
14	a	806	CLA	C2C-C1C-NC	5.60	115.87	109.98
14	b	805	CLA	C2C-C1C-NC	5.60	115.87	109.98
14	H	814	CLA	C2C-C1C-NC	5.60	115.86	109.98
14	a	822	CLA	C4A-NA-C1A	5.60	109.23	106.68
14	U	206	CLA	C2C-C1C-NC	5.60	115.86	109.98
14	l	204	CLA	C2D-C1D-ND	5.60	115.67	110.13
14	A	819	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	a	804	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	H	804	CLA	C4A-NA-C1A	5.59	109.23	106.68
14	a	803	CLA	C2C-C1C-NC	5.59	115.85	109.98
14	a	842	CLA	C1C-C2C-C3C	-5.59	101.10	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	832	CLA	O2D-CGD-CBD	5.59	121.00	111.23
14	a	833	CLA	C2C-C1C-NC	5.59	115.85	109.98
14	B	815	CLA	C3D-C2D-C1D	-5.59	98.21	105.83
14	A	821	CLA	O2D-CGD-CBD	5.58	120.99	111.23
14	H	805	CLA	C2D-C1D-ND	5.58	115.65	110.13
14	H	809	CLA	C2C-C1C-NC	5.58	115.84	109.98
14	a	829	CLA	C2C-C1C-NC	5.58	115.84	109.98
14	a	836	CLA	C4A-NA-C1A	5.58	109.22	106.68
14	B	816	CLA	C4A-NA-C1A	5.58	109.22	106.68
14	a	803	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
14	G	815	CLA	C1D-ND-C4D	-5.58	102.40	106.31
14	a	807	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	b	810	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	G	821	CLA	O2D-CGD-CBD	5.58	120.98	111.23
14	A	828	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	A	822	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	G	813	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	B	839	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	H	801	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	a	807	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	H	823	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	b	825	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	G	829	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	a	824	CLA	CMD-C2D-C1D	5.57	134.53	124.73
14	B	822	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	G	823	CLA	C2C-C1C-NC	5.57	115.83	109.98
14	B	816	CLA	C1C-C2C-C3C	-5.57	101.12	106.98
14	b	805	CLA	C3B-C2B-C1B	-5.56	100.61	107.17
14	A	842	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	A	814	CLA	C3B-C2B-C1B	-5.56	100.61	107.17
14	A	829	CLA	C2C-C1C-NC	5.56	115.82	109.98
14	a	812	CLA	C3B-C2B-C1B	-5.56	100.61	107.17
14	A	834	CLA	C2C-C1C-NC	5.56	115.82	109.98
14	a	837	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	a	840	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	a	819	CLA	O2D-CGD-CBD	5.56	120.95	111.23
14	l	204	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
14	A	806	CLA	C4A-NA-C1A	5.56	109.22	106.68
14	B	816	CLA	C1D-ND-C4D	-5.56	102.41	106.31
14	a	812	CLA	CHD-C1D-ND	-5.56	116.98	124.80
14	A	812	CLA	C3B-C2B-C1B	-5.56	100.62	107.17
14	l	203	CLA	C3D-C2D-C1D	-5.56	98.25	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	837	CLA	C1C-C2C-C3C	-5.56	101.14	106.98
14	G	827	CLA	C3B-C2B-C1B	-5.56	100.62	107.17
14	j	1302	CLA	O2D-CGD-CBD	5.56	120.94	111.23
14	A	822	CLA	C1C-C2C-C3C	-5.56	101.14	106.98
14	A	804	CLA	C3D-C2D-C1D	-5.55	98.25	105.83
14	U	206	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	A	835	CLA	C1C-C2C-C3C	-5.55	101.14	106.98
14	b	802	CLA	C2C-C1C-NC	5.55	115.81	109.98
14	a	835	CLA	C1C-C2C-C3C	-5.55	101.14	106.98
14	G	840	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	G	806	CLA	C2C-C1C-NC	5.55	115.81	109.98
13	A	801	CL0	C1C-C2C-C3C	-5.55	101.14	106.98
14	A	831	CLA	C1C-C2C-C3C	-5.55	101.15	106.98
14	B	841	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	H	809	CLA	C3D-C2D-C1D	-5.55	98.26	105.83
14	H	815	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	a	821	CLA	O2D-CGD-CBD	5.54	120.92	111.23
14	a	813	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	A	804	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
14	A	827	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
14	H	842	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	G	826	CLA	O2D-CGD-CBD	5.54	120.91	111.23
14	A	813	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	b	806	CLA	C3D-C2D-C1D	-5.54	98.28	105.83
14	G	841	CLA	C1C-C2C-C3C	-5.54	101.16	106.98
14	b	819	CLA	O2D-CGD-CBD	5.53	120.91	111.23
14	a	838	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	H	835	CLA	C2C-C1C-NC	5.53	115.79	109.98
14	B	802	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	B	827	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	B	819	CLA	C1C-C2C-C3C	-5.53	101.16	106.98
14	B	824	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	l	205	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	a	831	CLA	C1C-C2C-C3C	-5.53	101.16	106.98
14	A	821	CLA	C3D-C2D-C1D	-5.53	98.28	105.83
14	A	829	CLA	C2D-C1D-ND	5.53	115.60	110.13
14	B	823	CLA	C4A-NA-C1A	5.53	109.20	106.68
14	b	813	CLA	O2D-CGD-CBD	5.52	120.89	111.23
14	b	813	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
14	H	802	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	G	851	CLA	C2D-C1D-ND	5.52	115.59	110.13
14	H	822	CLA	O2D-CGD-CBD	5.52	120.88	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	808	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
14	G	807	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
14	A	839	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
14	a	824	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
14	A	802	CLA	O2D-CGD-CBD	5.52	120.88	111.23
14	B	804	CLA	C4A-NA-C1A	5.52	109.20	106.68
14	b	826	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	a	806	CLA	O2D-CGD-CBD	5.52	120.88	111.23
14	G	827	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	U	207	CLA	C3B-C2B-C1B	-5.52	100.67	107.17
14	B	811	CLA	C1C-C2C-C3C	-5.52	101.18	106.98
14	b	807	CLA	C1C-C2C-C3C	-5.52	101.18	106.98
14	G	822	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
14	H	811	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	H	818	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
14	G	805	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	H	820	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	H	810	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
14	B	821	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	H	818	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	a	811	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	U	205	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	B	822	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	a	809	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	U	205	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	B	818	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	R	101	CLA	C1C-C2C-C3C	-5.51	101.19	106.98
14	G	813	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	G	839	CLA	C1C-C2C-C3C	-5.51	101.19	106.98
14	G	832	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	b	817	CLA	C4A-NA-C1A	5.51	109.19	106.68
14	B	805	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	H	839	CLA	C1C-C2C-C3C	-5.50	101.19	106.98
16	A	848	BCR	C24-C23-C22	-5.50	118.09	126.23
14	G	802	CLA	O2A-CGA-O1A	-5.50	109.86	123.63
14	L	206	CLA	C3B-C2B-C1B	-5.50	100.68	107.17
14	b	805	CLA	C3D-C2D-C1D	-5.50	98.32	105.83
14	b	831	CLA	O2D-CGD-CBD	5.50	120.85	111.23
14	a	805	CLA	C3D-C2D-C1D	-5.50	98.32	105.83
14	H	838	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	H	841	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	B	820	CLA	O2D-CGD-CBD	5.50	120.85	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	835	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	a	821	CLA	C3D-C2D-C1D	-5.50	98.33	105.83
14	U	206	CLA	C3D-C2D-C1D	-5.50	98.33	105.83
14	B	821	CLA	O2D-CGD-CBD	5.50	120.84	111.23
14	B	809	CLA	C3D-C2D-C1D	-5.50	98.33	105.83
14	H	817	CLA	O2D-CGD-CBD	5.50	120.84	111.23
14	G	831	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	G	831	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	B	822	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	l	204	CLA	O2D-CGD-CBD	5.50	120.84	111.23
14	b	836	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	U	206	CLA	C2D-C1D-ND	5.50	115.56	110.13
14	V	1601	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	A	816	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	a	822	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	A	812	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	L	205	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	B	839	CLA	C3B-C2B-C1B	-5.49	100.70	107.17
14	a	833	CLA	C3B-C2B-C1B	-5.49	100.70	107.17
14	b	822	CLA	C3B-C2B-C1B	-5.49	100.70	107.17
14	B	839	CLA	C4A-NA-C1A	5.49	109.18	106.68
14	H	803	CLA	C3B-C2B-C1B	-5.49	100.70	107.17
14	j	1301	CLA	CMD-C2D-C1D	5.49	134.39	124.73
14	A	836	CLA	C3D-C2D-C1D	-5.49	98.35	105.83
14	S	101	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	B	808	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	H	814	CLA	O2D-CGD-CBD	5.48	120.82	111.23
14	G	836	CLA	C1C-C2C-C3C	-5.48	101.21	106.98
14	A	818	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	B	828	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	A	809	CLA	C3D-C2D-C1D	-5.48	98.35	105.83
14	a	819	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	J	1301	CLA	C2D-C1D-ND	5.48	115.55	110.13
14	A	826	CLA	C3D-C2D-C1D	-5.48	98.35	105.83
14	H	840	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
14	H	817	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	H	821	CLA	C2C-C1C-NC	5.48	115.73	109.98
14	a	806	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	L	205	CLA	C2D-C1D-ND	5.48	115.55	110.13
14	Q	202	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	L	201	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	B	832	CLA	O2D-CGD-CBD	5.47	120.80	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	842	CLA	O2D-CGD-CBD	5.47	120.80	111.23
14	b	824	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	B	840	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
14	A	814	CLA	O2D-CGD-CBD	5.47	120.79	111.23
14	B	838	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	H	820	CLA	C4A-NA-C1A	5.47	109.17	106.68
14	B	803	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
14	a	828	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	a	814	CLA	O2D-CGD-CBD	5.47	120.79	111.23
14	M	1601	CLA	C3B-C2B-C1B	-5.47	100.73	107.17
14	H	812	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	m	1201	CLA	C2C-C1C-NC	5.47	115.72	109.98
14	H	840	CLA	C1C-C2C-C3C	-5.46	101.23	106.98
14	X	1701	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	b	803	CLA	C3B-C2B-C1B	-5.46	100.73	107.17
14	A	802	CLA	O2A-CGA-O1A	-5.46	109.97	123.63
14	H	805	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	A	814	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	A	832	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	G	816	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	U	201	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	a	805	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	H	839	CLA	C2D-C1D-ND	5.46	115.53	110.13
14	L	205	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	H	836	CLA	C1C-C2C-C3C	-5.46	101.24	106.98
14	A	831	CLA	C3B-C2B-C1B	-5.46	100.74	107.17
14	G	818	CLA	C1C-C2C-C3C	-5.45	101.24	106.98
14	a	836	CLA	C1C-C2C-C3C	-5.45	101.24	106.98
14	B	825	CLA	C1C-C2C-C3C	-5.45	101.24	106.98
16	b	847	BCR	C7-C8-C9	-5.45	118.17	126.23
14	A	805	CLA	C3D-C2D-C1D	-5.45	98.39	105.83
14	H	828	CLA	C4A-NA-C1A	5.45	109.17	106.68
14	b	831	CLA	C4A-NA-C1A	5.45	109.17	106.68
14	G	804	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	b	837	CLA	C4A-NA-C1A	5.45	109.17	106.68
16	m	1203	BCR	C24-C23-C22	-5.45	118.17	126.23
14	B	818	CLA	O2D-CGD-CBD	5.45	120.76	111.23
14	b	820	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	A	807	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	a	827	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	b	820	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	G	809	CLA	C3D-C2D-C1D	-5.45	98.40	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	802	CLA	O2D-CGD-CBD	5.45	120.75	111.23
14	a	809	CLA	C2D-C1D-ND	5.45	115.52	110.13
14	a	807	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	a	829	CLA	C2D-C1D-ND	5.45	115.52	110.13
14	b	831	CLA	C1C-C2C-C3C	-5.44	101.25	106.98
14	A	819	CLA	C3B-C2B-C1B	-5.44	100.75	107.17
14	H	837	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	G	819	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	H	839	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	T	102	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	m	1202	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	a	836	CLA	C3D-C2D-C1D	-5.44	98.41	105.83
15	A	843	PQN	C14-C13-C15	5.44	124.67	115.23
14	B	836	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	a	831	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	a	802	CLA	O2D-CGD-CBD	5.44	120.73	111.23
14	H	823	CLA	O2D-CGD-CBD	5.44	120.73	111.23
14	B	803	CLA	O2D-CGD-CBD	5.44	120.73	111.23
14	b	809	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	G	833	CLA	C3B-C2B-C1B	-5.43	100.76	107.17
14	b	837	CLA	C3B-C2B-C1B	-5.43	100.76	107.17
14	A	836	CLA	C1C-C2C-C3C	-5.43	101.26	106.98
14	B	818	CLA	C3B-C2B-C1B	-5.43	100.76	107.17
14	G	807	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	a	830	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	B	840	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	a	804	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
13	a	801	CL0	C1C-C2C-C3C	-5.43	101.27	106.98
14	A	825	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	G	806	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	G	812	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	B	810	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	B	842	CLA	O2D-CGD-CBD	5.43	120.72	111.23
14	B	826	CLA	C2C-C1C-NC	5.43	115.69	109.98
14	G	807	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	B	824	CLA	C2C-C1C-NC	5.43	115.68	109.98
14	G	824	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	A	814	CLA	C3D-C2D-C1D	-5.43	98.43	105.83
14	B	840	CLA	O2D-CGD-CBD	5.43	120.72	111.23
14	l	204	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	H	816	CLA	C2D-C1D-ND	5.42	115.50	110.13
14	A	808	CLA	C3B-C2B-C1B	-5.42	100.78	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	836	CLA	C3D-C2D-C1D	-5.42	98.43	105.83
14	b	812	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	G	839	CLA	O2D-CGD-CBD	5.42	120.71	111.23
14	B	823	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	b	838	CLA	O2D-CGD-CBD	5.42	120.71	111.23
14	a	819	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	B	814	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	H	839	CLA	C3D-C2D-C1D	-5.42	98.43	105.83
14	A	840	CLA	O2D-CGD-CBD	5.42	120.71	111.23
14	A	806	CLA	C3D-C2D-C1D	-5.42	98.44	105.83
14	B	813	CLA	C4A-NA-C1A	5.42	109.15	106.68
14	Q	202	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	a	815	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
14	a	802	CLA	O2A-CGA-O1A	-5.42	110.08	123.63
14	l	204	CLA	C4A-NA-C1A	5.42	109.15	106.68
14	J	1303	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	B	818	CLA	C1C-C2C-C3C	-5.41	101.28	106.98
14	a	814	CLA	C3D-C2D-C1D	-5.41	98.44	105.83
14	M	1601	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	a	814	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	K	1401	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	B	828	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	A	811	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	W	1701	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	b	838	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	b	817	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	L	201	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	G	811	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	B	820	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	B	807	CLA	C2C-C1C-NC	5.41	115.66	109.98
14	j	1302	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	H	840	CLA	C3D-C2D-C1D	-5.41	98.45	105.83
14	G	836	CLA	C4A-NA-C1A	5.41	109.14	106.68
14	G	817	CLA	C1C-C2C-C3C	-5.41	101.30	106.98
14	A	822	CLA	O2D-CGD-CBD	5.41	120.68	111.23
14	G	829	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	B	817	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	a	836	CLA	O2D-CGD-CBD	5.40	120.68	111.23
14	G	819	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	b	835	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	H	821	CLA	C4A-NA-C1A	5.40	109.14	106.68
14	b	833	CLA	C4A-NA-C1A	5.40	109.14	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	842	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	a	816	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	B	829	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	H	805	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	a	834	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	G	816	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	A	842	CLA	O2D-CGD-CBD	5.40	120.67	111.23
14	B	840	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	U	201	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	b	803	CLA	O2D-CGD-CBD	5.40	120.66	111.23
14	b	840	CLA	C3D-C2D-C1D	-5.40	98.47	105.83
14	a	825	CLA	C1C-C2C-C3C	-5.40	101.31	106.98
14	H	809	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	H	840	CLA	O2D-CGD-CBD	5.40	120.66	111.23
14	H	820	CLA	C3D-C2D-C1D	-5.39	98.47	105.83
14	H	824	CLA	C2C-C1C-NC	5.39	115.65	109.98
14	A	804	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	b	801	CLA	C2B-C1B-NB	5.39	115.92	110.33
14	B	837	CLA	O2D-CGD-CBD	5.39	120.66	111.23
14	a	808	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	B	814	CLA	O2D-CGD-CBD	5.39	120.66	111.23
14	b	814	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	A	806	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	H	827	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	m	1202	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	G	802	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	V	1601	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	G	835	CLA	C3D-C2D-C1D	-5.39	98.48	105.83
14	a	818	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	B	806	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	a	813	CLA	C3D-C2D-C1D	-5.39	98.48	105.83
14	a	823	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	H	826	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	a	829	CLA	C3D-C2D-C1D	-5.39	98.48	105.83
14	A	805	CLA	C1C-C2C-C3C	-5.39	101.32	106.98
14	B	822	CLA	C3D-C2D-C1D	-5.38	98.48	105.83
14	k	102	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	H	828	CLA	C3D-C2D-C1D	-5.38	98.48	105.83
14	B	828	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	b	815	CLA	C3B-C2B-C1B	-5.38	100.82	107.17
14	B	822	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	B	835	CLA	C2C-C1C-NC	5.38	115.64	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	815	CLA	C3D-C2D-C1D	-5.38	98.49	105.83
14	H	823	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	b	815	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	A	825	CLA	O2D-CGD-CBD	5.38	120.64	111.23
14	U	206	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	A	823	CLA	C4A-NA-C1A	5.38	109.13	106.68
14	a	837	CLA	O2D-CGD-CBD	5.38	120.63	111.23
14	F	201	CLA	O2D-CGD-CBD	5.38	120.63	111.23
14	b	828	CLA	C4A-NA-C1A	5.38	109.13	106.68
14	B	837	CLA	C1C-C2C-C3C	-5.38	101.33	106.98
14	G	804	CLA	O2D-CGD-CBD	5.38	120.63	111.23
14	H	803	CLA	O2D-CGD-CBD	5.38	120.63	111.23
14	b	822	CLA	C1C-C2C-C3C	-5.38	101.33	106.98
14	G	825	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	b	815	CLA	O2D-CGD-CBD	5.37	120.62	111.23
14	a	834	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	G	836	CLA	C3B-C2B-C1B	-5.37	100.83	107.17
14	H	825	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	a	832	CLA	C4A-NA-C1A	5.37	109.13	106.68
13	G	801	CL0	C1C-C2C-C3C	-5.37	101.33	106.98
14	T	101	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	B	814	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	k	101	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	B	828	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	B	829	CLA	O2A-CGA-O1A	-5.37	110.20	123.63
14	a	833	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	b	825	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	a	805	CLA	O2A-CGA-O1A	-5.37	110.20	123.63
14	H	817	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	G	814	CLA	C3D-C2D-C1D	-5.37	98.51	105.83
16	M	1602	BCR	C24-C23-C22	-5.36	118.30	126.23
14	G	808	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	B	833	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	H	824	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	b	823	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	B	830	CLA	C1C-C2C-C3C	-5.36	101.34	106.98
14	B	830	CLA	C4A-NA-C1A	5.36	109.12	106.68
16	B	847	BCR	C34-C9-C10	-5.36	114.13	122.82
14	b	832	CLA	O2D-CGD-CBD	5.36	120.60	111.23
14	a	830	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	b	830	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	a	819	CLA	O2A-CGA-O1A	-5.36	110.22	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	k	102	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	A	802	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	B	811	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	b	803	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	H	822	CLA	C4A-NA-C1A	5.36	109.12	106.68
14	S	101	CLA	O2D-CGD-CBD	5.36	120.59	111.23
14	G	814	CLA	C3B-C2B-C1B	-5.36	100.86	107.17
14	H	830	CLA	C1C-C2C-C3C	-5.36	101.35	106.98
14	B	825	CLA	C3B-C2B-C1B	-5.36	100.86	107.17
14	b	837	CLA	O2D-CGD-CBD	5.35	120.59	111.23
14	A	809	CLA	C2D-C1D-ND	5.35	115.42	110.13
14	A	832	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	A	820	CLA	C3D-C2D-C1D	-5.35	98.52	105.83
14	A	832	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	B	826	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	b	806	CLA	C4A-NA-C1A	5.35	109.12	106.68
14	x	1701	CLA	C4A-NA-C1A	5.35	109.12	106.68
14	G	832	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	H	825	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
16	a	848	BCR	C24-C23-C22	-5.35	118.32	126.23
14	A	805	CLA	O2A-CGA-O1A	-5.35	110.24	123.63
14	b	840	CLA	O2D-CGD-CBD	5.35	120.59	111.23
14	b	826	CLA	O2A-CGA-O1A	-5.35	110.24	123.63
14	G	832	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	T	102	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	H	831	CLA	O2A-CGA-O1A	-5.35	110.25	123.63
14	A	817	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	G	830	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	H	837	CLA	O2D-CGD-CBD	5.35	120.58	111.23
14	L	204	CLA	C2D-C1D-ND	5.35	115.42	110.13
14	B	802	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	b	812	CLA	C3B-C2B-C1B	-5.35	100.87	107.17
14	A	852	CLA	C3D-C2D-C1D	-5.35	98.54	105.83
14	A	818	CLA	C1C-C2C-C3C	-5.35	101.36	106.98
14	J	1303	CLA	C1C-C2C-C3C	-5.35	101.36	106.98
14	b	806	CLA	C2D-C1D-ND	5.34	115.42	110.13
14	A	817	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	G	834	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	m	1202	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	b	816	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	L	204	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	b	834	CLA	C1C-C2C-C3C	-5.34	101.36	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	819	CLA	O2A-CGA-O1A	-5.34	110.27	123.63
14	G	814	CLA	C4A-NA-C1A	5.34	109.12	106.68
14	b	838	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	b	805	CLA	C2D-C1D-ND	5.34	115.41	110.13
14	Q	201	CLA	O2D-CGD-CBD	5.34	120.57	111.23
14	G	837	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	G	809	CLA	O2D-CGD-CBD	5.34	120.56	111.23
14	G	825	CLA	O2D-CGD-CBD	5.34	120.56	111.23
14	H	802	CLA	C3D-C2D-C1D	-5.34	98.55	105.83
14	A	829	CLA	C3D-C2D-C1D	-5.34	98.55	105.83
14	B	826	CLA	C2D-C1D-ND	5.34	115.41	110.13
14	A	819	CLA	O2A-CGA-O1A	-5.34	110.28	123.63
14	b	812	CLA	O2A-CGA-O1A	-5.34	110.28	123.63
14	G	841	CLA	C4A-NA-C1A	5.34	109.11	106.68
14	B	841	CLA	C1C-C2C-C3C	-5.34	101.37	106.98
14	B	815	CLA	O2A-CGA-O1A	-5.34	110.28	123.63
14	A	837	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	a	836	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	L	205	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	G	805	CLA	O2A-CGA-O1A	-5.33	110.28	123.63
14	a	806	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	A	821	CLA	C2D-C1D-ND	5.33	115.41	110.13
14	G	812	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	A	835	CLA	O2D-CGD-CBD	5.33	120.55	111.23
14	a	816	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	a	818	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	a	833	CLA	C4A-NA-C1A	5.33	109.11	106.68
14	H	823	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	b	825	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	H	801	CLA	C4A-NA-C1A	5.33	109.11	106.68
14	H	818	CLA	O2D-CGD-CBD	5.33	120.55	111.23
14	J	1302	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
14	b	803	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	a	802	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
14	b	806	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	a	811	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
14	H	829	CLA	O2A-CGA-O1A	-5.33	110.30	123.63
14	a	852	CLA	C4A-NA-C1A	5.33	109.11	106.68
14	j	1303	CLA	CAA-C2A-C3A	-5.33	104.02	116.23
14	K	1401	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
14	A	810	CLA	C3D-C2D-C1D	-5.33	98.56	105.83
14	A	842	CLA	C4A-NA-C1A	5.32	109.11	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	823	CLA	C4A-NA-C1A	5.32	109.11	106.68
14	a	827	CLA	C2C-C1C-NC	5.32	115.57	109.98
14	b	826	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	H	828	CLA	C3B-C2B-C1B	-5.32	100.89	107.17
14	b	838	CLA	C3B-C2B-C1B	-5.32	100.89	107.17
14	b	827	CLA	C1C-C2C-C3C	-5.32	101.38	106.98
14	b	806	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	H	839	CLA	C4A-NA-C1A	5.32	109.11	106.68
14	b	808	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	b	820	CLA	C4A-NA-C1A	5.32	109.11	106.68
14	a	837	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	b	807	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	G	841	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	R	101	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	H	803	CLA	C3D-C2D-C1D	-5.32	98.58	105.83
14	b	811	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	A	815	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	H	815	CLA	O2A-CGA-O1A	-5.32	110.33	123.63
14	G	835	CLA	O2D-CGD-CBD	5.32	120.52	111.23
14	a	832	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	b	837	CLA	C3D-C2D-C1D	-5.31	98.58	105.83
14	j	1302	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
14	G	834	CLA	C3D-C2D-C1D	-5.31	98.58	105.83
14	j	1302	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	G	833	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
16	M	1602	BCR	C7-C8-C9	-5.31	118.38	126.23
14	G	837	CLA	O2D-CGD-CBD	5.31	120.52	111.23
14	a	834	CLA	C3D-C2D-C1D	-5.31	98.58	105.83
14	j	1301	CLA	C2D-C1D-ND	5.31	115.38	110.13
14	A	832	CLA	C3D-C2D-C1D	-5.31	98.58	105.83
14	B	819	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	A	804	CLA	C1D-ND-C4D	-5.31	102.59	106.31
14	H	813	CLA	C4A-NA-C1A	5.31	109.10	106.68
14	b	828	CLA	O2A-CGA-O1A	-5.31	110.35	123.63
14	G	807	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	A	802	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	B	811	CLA	O2A-CGA-O1A	-5.31	110.36	123.63
14	a	852	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	k	101	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
14	G	834	CLA	C1C-C2C-C3C	-5.30	101.40	106.98
14	B	807	CLA	O2A-CGA-O1A	-5.30	110.36	123.63
14	b	811	CLA	O2D-CGD-CBD	5.30	120.50	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	803	CLA	C3D-C2D-C1D	-5.30	98.59	105.83
14	S	102	CLA	C1C-C2C-C3C	-5.30	101.40	106.98
14	A	813	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	B	812	CLA	C1C-C2C-C3C	-5.30	101.40	106.98
14	H	811	CLA	C1C-C2C-C3C	-5.30	101.40	106.98
14	H	829	CLA	C1C-C2C-C3C	-5.30	101.40	106.98
14	b	802	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	a	835	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	S	102	CLA	CAA-C2A-C3A	-5.30	104.08	116.23
14	a	840	CLA	O2D-CGD-CBD	5.30	120.50	111.23
14	a	842	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	B	812	CLA	C4A-NA-C1A	5.30	109.10	106.68
14	b	807	CLA	C4A-NA-C1A	5.30	109.10	106.68
14	A	807	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	A	812	CLA	C1D-ND-C4D	-5.30	102.59	106.31
14	G	821	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	A	841	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
16	B	849	BCR	C7-C8-C9	-5.30	118.40	126.23
14	A	807	CLA	C1C-C2C-C3C	-5.30	101.41	106.98
14	m	1201	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	H	833	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	b	816	CLA	C4A-NA-C1A	5.30	109.09	106.68
14	H	819	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	a	835	CLA	O2D-CGD-CBD	5.30	120.49	111.23
14	B	833	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	H	807	CLA	C2B-C1B-NB	5.29	115.82	110.33
14	a	832	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	j	1303	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	H	801	CLA	C2C-C1C-NC	5.29	115.54	109.98
14	G	809	CLA	C2D-C1D-ND	5.29	115.36	110.13
14	B	809	CLA	C4A-NA-C1A	5.29	109.09	106.68
14	H	812	CLA	O2A-CGA-O1A	-5.29	110.39	123.63
16	m	1203	BCR	C7-C8-C9	-5.29	118.41	126.23
14	H	801	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	L	205	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	F	201	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	a	807	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	B	807	CLA	C1C-C2C-C3C	-5.29	101.42	106.98
14	a	811	CLA	C1C-C2C-C3C	-5.29	101.42	106.98
14	B	835	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
14	G	829	CLA	C2C-C1C-NC	5.29	115.53	109.98
14	b	830	CLA	C3D-C2D-C1D	-5.29	98.62	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	806	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
14	a	820	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
14	R	101	CLA	O2D-CGD-CBD	5.29	120.47	111.23
14	G	804	CLA	C3D-C2D-C1D	-5.29	98.62	105.83
14	a	824	CLA	C4A-NA-C1A	5.28	109.09	106.68
14	l	204	CLA	C1C-C2C-C3C	-5.28	101.42	106.98
14	b	801	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	A	816	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	H	833	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	B	828	CLA	O2D-CGD-CBD	5.28	120.47	111.23
14	b	807	CLA	O2D-CGD-CBD	5.28	120.47	111.23
14	J	1302	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	G	820	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	G	806	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	H	835	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	a	805	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	G	823	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	S	101	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	b	823	CLA	C4A-NA-C1A	5.28	109.09	106.68
14	A	842	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	B	811	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	b	831	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	b	831	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	G	820	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	H	810	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	A	830	CLA	C1C-C2C-C3C	-5.27	101.43	106.98
14	A	835	CLA	C4A-NA-C1A	5.27	109.08	106.68
14	G	829	CLA	C4A-NA-C1A	5.27	109.08	106.68
14	H	815	CLA	C2C-C1C-NC	5.27	115.52	109.98
14	A	835	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	G	827	CLA	O2D-CGD-CBD	5.27	120.44	111.23
14	U	206	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
14	B	831	CLA	O2A-CGA-O1A	-5.27	110.44	123.63
14	H	823	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	b	837	CLA	C2D-C1D-ND	5.27	115.34	110.13
14	b	809	CLA	O2A-CGA-O1A	-5.27	110.45	123.63
14	A	827	CLA	O2D-CGD-CBD	5.27	120.44	111.23
14	H	828	CLA	O2D-CGD-CBD	5.27	120.44	111.23
14	G	825	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	A	834	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	a	806	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
14	X	1701	CLA	C3D-C2D-C1D	-5.27	98.64	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	m	1201	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
14	H	834	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	B	834	CLA	O2D-CGD-CBD	5.26	120.43	111.23
14	A	834	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
16	B	847	BCR	C15-C14-C13	-5.26	119.90	127.28
14	H	817	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	b	808	CLA	O2A-CGA-O1A	-5.26	110.47	123.63
14	b	832	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	a	802	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	G	822	CLA	O2D-CGD-CBD	5.26	120.43	111.23
14	H	837	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	A	826	CLA	C2D-C1D-ND	5.26	115.33	110.13
14	a	830	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	a	838	CLA	C1C-C2C-C3C	-5.26	101.45	106.98
16	J	1304	BCR	C24-C23-C22	-5.26	118.45	126.23
14	b	801	CLA	C1C-C2C-C3C	-5.26	101.45	106.98
14	L	204	CLA	C1C-C2C-C3C	-5.26	101.45	106.98
13	a	801	CL0	O2D-CGD-CBD	5.26	120.42	111.23
14	a	827	CLA	O2D-CGD-CBD	5.26	120.42	111.23
14	a	835	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	H	815	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	H	811	CLA	O2A-CGA-O1A	-5.26	110.47	123.63
14	H	811	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	A	815	CLA	C4A-NA-C1A	5.26	109.08	106.68
14	H	831	CLA	C4A-NA-C1A	5.26	109.08	106.68
14	b	819	CLA	C4A-NA-C1A	5.26	109.08	106.68
14	a	830	CLA	C1C-C2C-C3C	-5.26	101.45	106.98
14	G	810	CLA	C3B-C2B-C1B	-5.25	100.97	107.17
14	a	822	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	A	808	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	W	1701	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	J	1301	CLA	C1C-C2C-C3C	-5.25	101.45	106.98
14	A	833	CLA	C4A-NA-C1A	5.25	109.08	106.68
14	a	817	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
14	b	835	CLA	O2D-CGD-CBD	5.25	120.41	111.23
14	Q	202	CLA	C4A-NA-C1A	5.25	109.08	106.68
14	G	828	CLA	O2D-CGD-CBD	5.25	120.41	111.23
14	H	811	CLA	C1D-ND-C4D	-5.25	102.63	106.31
14	H	822	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
14	a	812	CLA	C2C-C1C-NC	5.25	115.50	109.98
14	H	839	CLA	O2D-CGD-CBD	5.25	120.41	111.23
14	S	101	CLA	C1C-C2C-C3C	-5.25	101.46	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	821	CLA	O2A-CGA-O1A	-5.25	110.50	123.63
14	a	826	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	a	820	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	G	805	CLA	C2D-C1D-ND	5.25	115.32	110.13
14	b	805	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	a	808	CLA	C3D-C2D-C1D	-5.25	98.67	105.83
14	B	812	CLA	O2A-CGA-O1A	-5.24	110.51	123.63
14	B	841	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
14	G	806	CLA	O2A-CGA-O1A	-5.24	110.51	123.63
14	H	810	CLA	O2D-CGD-CBD	5.24	120.40	111.23
14	A	806	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
14	A	837	CLA	C4A-NA-C1A	5.24	109.07	106.68
14	G	839	CLA	C4A-NA-C1A	5.24	109.07	106.68
14	G	816	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
14	A	837	CLA	O2D-CGD-CBD	5.24	120.39	111.23
14	A	835	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
14	L	205	CLA	O2D-CGD-CBD	5.24	120.39	111.23
14	A	820	CLA	C2D-C1D-ND	5.24	115.31	110.13
14	L	201	CLA	C2D-C1D-ND	5.24	115.31	110.13
14	G	822	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	b	820	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	H	816	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
16	I	101	BCR	C3-C4-C5	-5.24	104.72	114.06
16	i	101	BCR	C3-C4-C5	-5.24	104.72	114.06
14	A	816	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
14	A	806	CLA	O2A-CGA-O1A	-5.24	110.53	123.63
14	a	806	CLA	O2A-CGA-O1A	-5.24	110.53	123.63
14	B	801	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
16	A	849	BCR	C7-C8-C9	-5.24	118.49	126.23
14	a	842	CLA	C4A-NA-C1A	5.24	109.07	106.68
14	U	207	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
14	X	1701	CLA	C2D-C1D-ND	5.24	115.31	110.13
14	T	101	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
14	A	802	CLA	C1C-C2C-C3C	-5.23	101.47	106.98
14	b	817	CLA	O2D-CGD-CBD	5.23	120.38	111.23
14	b	833	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	A	830	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	B	825	CLA	O2D-CGD-CBD	5.23	120.38	111.23
14	a	823	CLA	O2A-CGA-O1A	-5.23	110.54	123.63
14	a	804	CLA	C4A-NA-C1A	5.23	109.07	106.68
14	W	1701	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	j	1302	CLA	C3D-C2D-C1D	-5.23	98.69	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	809	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	B	804	CLA	C1C-C2C-C3C	-5.23	101.48	106.98
14	a	823	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	A	830	CLA	O2A-CGA-O1A	-5.23	110.55	123.63
14	A	823	CLA	O2A-CGA-O1A	-5.23	110.55	123.63
14	B	839	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	G	840	CLA	O2D-CGD-CBD	5.23	120.37	111.23
14	A	809	CLA	C3B-C2B-C1B	-5.23	101.01	107.17
14	A	820	CLA	C3B-C2B-C1B	-5.23	101.01	107.17
14	Q	201	CLA	C3D-C2D-C1D	-5.23	98.70	105.83
14	a	840	CLA	C4A-NA-C1A	5.23	109.06	106.68
14	B	810	CLA	C4A-NA-C1A	5.23	109.06	106.68
14	B	824	CLA	O2A-CGA-O1A	-5.23	110.56	123.63
14	B	807	CLA	C3D-C2D-C1D	-5.23	98.70	105.83
14	B	802	CLA	C1C-C2C-C3C	-5.23	101.48	106.98
14	A	822	CLA	C3B-C2B-C1B	-5.23	101.01	107.17
14	B	837	CLA	C3B-C2B-C1B	-5.23	101.01	107.17
14	B	841	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	b	819	CLA	C1C-C2C-C3C	-5.22	101.48	106.98
14	a	825	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	F	201	CLA	C2D-C1D-ND	5.22	115.30	110.13
13	G	801	CL0	O2A-CGA-O1A	-5.22	110.56	123.63
14	B	837	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	B	817	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	a	829	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	H	822	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	b	818	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	H	841	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	G	830	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	H	804	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	S	101	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	A	838	CLA	O2D-CGD-CBD	5.22	120.36	111.23
14	B	810	CLA	O2D-CGD-CBD	5.22	120.36	111.23
14	b	832	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
16	G	847	BCR	C24-C23-C22	-5.22	118.51	126.23
14	U	206	CLA	O2D-CGD-CBD	5.22	120.35	111.23
14	H	837	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	H	807	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	J	1303	CLA	CAA-C2A-C3A	-5.22	104.27	116.23
14	U	201	CLA	C2D-C1D-ND	5.22	115.29	110.13
14	X	1701	CLA	C1C-C2C-C3C	-5.22	101.50	106.98
13	G	801	CL0	C4A-NA-C1A	5.21	109.06	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	835	CLA	C4A-NA-C1A	5.21	109.06	106.68
16	R	102	BCR	C3-C4-C5	-5.21	104.76	114.06
14	x	1701	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	A	803	CLA	O2A-CGA-O1A	-5.21	110.59	123.63
14	a	822	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	F	201	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	G	815	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	L	206	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
13	a	801	CL0	C4A-NA-C1A	5.21	109.06	106.68
14	B	809	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	A	825	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	l	205	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	M	1601	CLA	C4A-NA-C1A	5.21	109.06	106.68
14	A	836	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	a	804	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	G	826	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	x	1701	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	a	827	CLA	C3D-C2D-C1D	-5.21	98.73	105.83
14	a	842	CLA	O2D-CGD-CBD	5.21	120.33	111.23
14	A	811	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	G	817	CLA	O2A-CGA-O1A	-5.21	110.61	123.63
14	H	809	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	A	805	CLA	C2D-C1D-ND	5.20	115.28	110.13
14	B	822	CLA	C3B-C2B-C1B	-5.20	101.03	107.17
14	a	837	CLA	C4A-NA-C1A	5.20	109.05	106.68
14	G	822	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	B	803	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	A	823	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	H	814	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	B	813	CLA	C3D-C2D-C1D	-5.20	98.73	105.83
14	x	1701	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	G	838	CLA	O2A-CGA-O1A	-5.20	110.62	123.63
14	G	823	CLA	O2A-CGA-O1A	-5.20	110.62	123.63
14	a	823	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	B	839	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	a	841	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	b	825	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	U	205	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	G	811	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	H	801	CLA	O2D-CGD-CBD	5.20	120.31	111.23
14	A	811	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	B	809	CLA	C1C-C2C-C3C	-5.20	101.52	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	203	CLA	C1C-C2C-C3C	-5.20	101.52	106.98
14	a	815	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	B	810	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	b	835	CLA	C3D-C2D-C1D	-5.19	98.74	105.83
14	a	817	CLA	C1C-C2C-C3C	-5.19	101.52	106.98
14	G	827	CLA	C3D-C2D-C1D	-5.19	98.74	105.83
14	H	807	CLA	C2C-C1C-NC	5.19	115.44	109.98
14	A	807	CLA	C2D-C1D-ND	5.19	115.27	110.13
14	b	805	CLA	O2D-CGD-CBD	5.19	120.31	111.23
14	A	827	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	A	815	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	b	835	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
16	j	1304	BCR	C24-C23-C22	-5.19	118.56	126.23
14	G	823	CLA	O2D-CGD-CBD	5.19	120.30	111.23
14	H	824	CLA	O2A-CGA-O1A	-5.19	110.65	123.63
14	W	1701	CLA	C1C-C2C-C3C	-5.19	101.52	106.98
14	G	815	CLA	C2D-C1D-ND	5.19	115.26	110.13
13	a	801	CL0	O2A-CGA-O1A	-5.19	110.65	123.63
14	B	825	CLA	C4A-NA-C1A	5.19	109.05	106.68
14	b	811	CLA	C1C-C2C-C3C	-5.19	101.52	106.98
14	A	817	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	H	820	CLA	C1C-C2C-C3C	-5.19	101.53	106.98
14	A	831	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	a	802	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	G	803	CLA	O2A-CGA-O1A	-5.18	110.66	123.63
14	H	835	CLA	C3D-C2D-C1D	-5.18	98.76	105.83
14	A	822	CLA	O2A-CGA-O1A	-5.18	110.66	123.63
14	B	805	CLA	C1C-C2C-C3C	-5.18	101.53	106.98
14	a	806	CLA	C2D-C1D-ND	5.18	115.25	110.13
14	a	830	CLA	C2D-C1D-ND	5.18	115.25	110.13
14	b	813	CLA	C1D-ND-C4D	-5.18	102.68	106.31
13	G	801	CL0	O2D-CGD-CBD	5.18	120.29	111.23
14	A	839	CLA	O2D-CGD-CBD	5.18	120.29	111.23
14	a	830	CLA	O2A-CGA-O1A	-5.18	110.67	123.63
14	B	834	CLA	C4A-NA-C1A	5.18	109.04	106.68
14	G	834	CLA	C2D-C1D-ND	5.18	115.25	110.13
14	a	828	CLA	O2D-CGD-CBD	5.18	120.28	111.23
14	B	820	CLA	C1C-C2C-C3C	-5.18	101.53	106.98
14	H	814	CLA	C3B-C2B-C1B	-5.18	101.07	107.17
14	B	831	CLA	C4A-NA-C1A	5.18	109.04	106.68
16	S	103	BCR	C24-C23-C22	-5.18	118.58	126.23
14	G	813	CLA	C3D-C2D-C1D	-5.18	98.77	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	836	CLA	C3B-C2B-C1B	-5.18	101.07	107.17
14	H	801	CLA	C3B-C2B-C1B	-5.18	101.07	107.17
14	a	803	CLA	O2A-CGA-O1A	-5.18	110.68	123.63
14	b	816	CLA	O2A-CGA-O1A	-5.18	110.68	123.63
14	A	839	CLA	C4A-NA-C1A	5.18	109.04	106.68
14	B	834	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	L	201	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	H	807	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	A	803	CLA	C1C-C2C-C3C	-5.17	101.54	106.98
14	A	807	CLA	C4A-NA-C1A	5.17	109.04	106.68
14	b	814	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	A	838	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	a	811	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	G	820	CLA	C1C-C2C-C3C	-5.17	101.54	106.98
14	b	817	CLA	C1C-C2C-C3C	-5.17	101.54	106.98
14	G	811	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	H	810	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
14	H	808	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	R	101	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	U	201	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	G	804	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	B	835	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	A	828	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	a	839	CLA	O2A-CGA-O1A	-5.17	110.70	123.63
14	A	833	CLA	C1C-C2C-C3C	-5.17	101.54	106.98
14	G	835	CLA	C3B-C2B-C1B	-5.17	101.08	107.17
14	G	837	CLA	C4A-NA-C1A	5.17	109.04	106.68
14	b	834	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	B	815	CLA	C3B-C2B-C1B	-5.17	101.08	107.17
14	B	810	CLA	C3D-C2D-C1D	-5.16	98.78	105.83
14	U	207	CLA	C3D-C2D-C1D	-5.16	98.78	105.83
14	H	838	CLA	O2A-CGA-O1A	-5.16	110.71	123.63
14	a	836	CLA	C2D-C1D-ND	5.16	115.24	110.13
14	A	823	CLA	C3B-C2B-C1B	-5.16	101.08	107.17
14	H	810	CLA	C4A-NA-C1A	5.16	109.03	106.68
14	A	834	CLA	C1C-C2C-C3C	-5.16	101.55	106.98
14	A	838	CLA	O2A-CGA-O1A	-5.16	110.72	123.63
14	b	808	CLA	C2D-C1D-ND	5.16	115.23	110.13
14	H	836	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	G	830	CLA	O2A-CGA-O1A	-5.16	110.72	123.63
13	A	801	CL0	O2A-CGA-O1A	-5.16	110.72	123.63
14	B	839	CLA	C2D-C1D-ND	5.16	115.23	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	852	CLA	CMC-C2C-C1C	5.16	133.09	125.03
14	A	828	CLA	C2D-C1D-ND	5.16	115.23	110.13
14	A	829	CLA	C1C-C2C-C3C	-5.16	101.56	106.98
14	A	823	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	B	809	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	A	806	CLA	C1D-ND-C4D	-5.16	102.69	106.31
14	U	201	CLA	O2D-CGD-CBD	5.16	120.24	111.23
14	G	833	CLA	C3D-C2D-C1D	-5.16	98.80	105.83
16	B	847	BCR	C11-C12-C13	5.16	140.50	126.36
14	b	810	CLA	C3D-C2D-C1D	-5.16	98.80	105.83
14	k	102	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	a	822	CLA	O2D-CGD-CBD	5.15	120.24	111.23
14	H	824	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	H	809	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	b	836	CLA	O2A-CGA-O1A	-5.15	110.74	123.63
14	j	1303	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	H	829	CLA	O2D-CGD-CBD	5.15	120.23	111.23
14	A	834	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	A	829	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	S	102	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	A	818	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	B	836	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	G	807	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	H	809	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	a	820	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	b	828	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	H	834	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	a	813	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	a	833	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	K	1401	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	b	815	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	a	822	CLA	O2A-CGA-O1A	-5.15	110.75	123.63
14	G	829	CLA	C1C-C2C-C3C	-5.15	101.57	106.98
14	G	837	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	b	833	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	B	811	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	a	834	CLA	O2D-CGD-CBD	5.14	120.22	111.23
14	G	813	CLA	C1C-C2C-C3C	-5.14	101.57	106.98
14	a	814	CLA	C4A-NA-C1A	5.14	109.03	106.68
14	V	1601	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	G	802	CLA	C1C-C2C-C3C	-5.14	101.57	106.98
14	b	821	CLA	C3D-C2D-C1D	-5.14	98.81	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	853	CLA	C2C-C1C-NC	5.14	115.38	109.98
14	b	818	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	l	205	CLA	C1C-C2C-C3C	-5.14	101.57	106.98
14	B	814	CLA	C1C-C2C-C3C	-5.14	101.57	106.98
14	b	807	CLA	C3D-C2D-C1D	-5.14	98.81	105.83
14	G	822	CLA	O2A-CGA-O1A	-5.14	110.77	123.63
14	a	809	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	B	834	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	T	102	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	G	833	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	H	812	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	b	823	CLA	O2D-CGD-CBD	5.14	120.21	111.23
14	B	838	CLA	O2A-CGA-O1A	-5.14	110.77	123.63
14	a	823	CLA	C1C-C2C-C3C	-5.14	101.58	106.98
14	G	840	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	a	831	CLA	O2D-CGD-CBD	5.14	120.21	111.23
14	B	831	CLA	C1C-C2C-C3C	-5.14	101.58	106.98
14	a	831	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	B	808	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	x	1701	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	G	829	CLA	C1D-ND-C4D	-5.14	102.71	106.31
14	b	819	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	J	1303	CLA	C3D-C2D-C1D	-5.13	98.82	105.83
14	B	813	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	a	803	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	b	808	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	G	810	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	a	814	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	G	831	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	b	836	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	b	813	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	G	816	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	H	833	CLA	C4A-NA-C1A	5.13	109.02	106.68
14	B	838	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	a	837	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	B	819	CLA	O2D-CGD-CBD	5.13	120.19	111.23
14	a	828	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	L	206	CLA	O2D-CGD-CBD	5.13	120.19	111.23
14	a	817	CLA	O2A-CGA-O1A	-5.13	110.81	123.63
14	A	831	CLA	O2D-CGD-CBD	5.13	120.19	111.23
14	M	1601	CLA	O2D-CGD-CBD	5.13	120.19	111.23
14	b	832	CLA	C2D-C1D-ND	5.13	115.20	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	828	CLA	C3D-C2D-C1D	-5.13	98.84	105.83
14	b	817	CLA	C2D-C1D-ND	5.12	115.20	110.13
14	G	830	CLA	C2D-C1D-ND	5.12	115.20	110.13
14	a	810	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	808	CLA	C1C-C2C-C3C	-5.12	101.59	106.98
14	A	840	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	b	826	CLA	O2D-CGD-CBD	5.12	120.18	111.23
14	b	813	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	Q	202	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	829	CLA	C4A-NA-C1A	5.12	109.02	106.68
14	j	1303	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	806	CLA	O2D-CGD-CBD	5.12	120.18	111.23
14	a	813	CLA	C1C-C2C-C3C	-5.12	101.59	106.98
14	L	206	CLA	C1C-C2C-C3C	-5.12	101.60	106.98
14	B	801	CLA	C2B-C1B-NB	5.12	115.63	110.33
14	H	834	CLA	O2D-CGD-CBD	5.12	120.18	111.23
14	a	828	CLA	O2A-CGA-O1A	-5.12	110.83	123.63
13	A	801	CL0	C4A-NA-C1A	5.12	109.01	106.68
14	A	837	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
16	H	847	BCR	C15-C14-C13	-5.12	120.10	127.28
14	R	101	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	m	1201	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	A	802	CLA	C4A-NA-C1A	5.12	109.01	106.68
14	a	808	CLA	C4A-NA-C1A	5.12	109.01	106.68
14	b	811	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	b	833	CLA	C2D-C1D-ND	5.11	115.19	110.13
14	H	841	CLA	O2D-CGD-CBD	5.11	120.17	111.23
14	a	841	CLA	C1C-C2C-C3C	-5.11	101.60	106.98
14	H	824	CLA	C1C-C2C-C3C	-5.11	101.60	106.98
14	H	818	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	a	841	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	a	811	CLA	O2A-CGA-O1A	-5.11	110.84	123.63
14	G	806	CLA	C2D-C1D-ND	5.11	115.19	110.13
14	a	807	CLA	C2D-C1D-ND	5.11	115.19	110.13
14	a	821	CLA	C2D-C1D-ND	5.11	115.19	110.13
14	G	839	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	b	831	CLA	C1D-ND-C4D	-5.11	102.73	106.31
14	B	820	CLA	C2D-C1D-ND	5.11	115.18	110.13
14	G	823	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
14	B	836	CLA	C4A-NA-C1A	5.11	109.01	106.68
14	a	818	CLA	O2D-CGD-CBD	5.11	120.16	111.23
14	G	802	CLA	C3D-C2D-C1D	-5.11	98.86	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	827	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	S	102	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	H	802	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	J	1302	CLA	C4A-NA-C1A	5.11	109.01	106.68
14	B	824	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	G	813	CLA	C2D-C1D-ND	5.11	115.18	110.13
14	B	829	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	J	1302	CLA	C1C-C2C-C3C	-5.10	101.61	106.98
14	A	816	CLA	O2D-CGD-CBD	5.10	120.15	111.23
14	H	813	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	H	841	CLA	C3B-C2B-C1B	-5.10	101.15	107.17
14	a	834	CLA	C2D-C1D-ND	5.10	115.18	110.13
14	A	828	CLA	O2A-CGA-O1A	-5.10	110.87	123.63
14	L	204	CLA	C4A-NA-C1A	5.10	109.01	106.68
14	G	836	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	B	818	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	H	821	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	a	804	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
14	a	817	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	b	802	CLA	O2D-CGD-CBD	5.10	120.14	111.23
14	B	801	CLA	O2A-CGA-O1A	-5.10	110.87	123.63
14	H	840	CLA	C4A-NA-C1A	5.10	109.00	106.68
14	a	832	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	b	813	CLA	C2C-C1C-NC	5.10	115.34	109.98
14	b	826	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	b	840	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	a	834	CLA	C4A-NA-C1A	5.10	109.00	106.68
14	H	830	CLA	C4A-NA-C1A	5.10	109.00	106.68
14	J	1302	CLA	O2D-CGD-CBD	5.10	120.14	111.23
14	G	811	CLA	O2A-CGA-O1A	-5.10	110.88	123.63
14	A	814	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
14	A	811	CLA	O2A-CGA-O1A	-5.09	110.88	123.63
14	a	804	CLA	O2D-CGD-CBD	5.09	120.14	111.23
14	H	815	CLA	O2D-CGD-CBD	5.09	120.13	111.23
14	A	814	CLA	C2D-C1D-ND	5.09	115.17	110.13
14	b	836	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	b	804	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
14	G	808	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	a	823	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
14	H	814	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	a	818	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	b	813	CLA	C1C-C2C-C3C	-5.09	101.63	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	m	1201	CLA	O2A-CGA-O1A	-5.09	110.90	123.63
14	A	817	CLA	O2A-CGA-O1A	-5.09	110.90	123.63
14	a	803	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	A	841	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	H	833	CLA	C1C-C2C-C3C	-5.09	101.63	106.98
14	H	835	CLA	C1C-C2C-C3C	-5.09	101.63	106.98
14	H	829	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	a	816	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	B	806	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	B	823	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	B	840	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	a	802	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	H	841	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	G	840	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	G	831	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	H	835	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	G	803	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	H	803	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	Q	202	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	H	807	CLA	O2A-CGA-O1A	-5.08	110.93	123.63
14	B	829	CLA	O2D-CGD-CBD	5.08	120.10	111.23
14	J	1301	CLA	CMD-C2D-C1D	5.07	133.66	124.73
14	b	821	CLA	C4A-NA-C1A	5.07	108.99	106.68
14	G	815	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
14	B	830	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
14	A	808	CLA	O2D-CGD-CBD	5.07	120.10	111.23
14	b	816	CLA	O2D-CGD-CBD	5.07	120.10	111.23
14	B	804	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	B	838	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	G	828	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	b	830	CLA	C1C-C2C-C3C	-5.07	101.65	106.98
14	b	823	CLA	C2C-C1C-NC	5.07	115.31	109.98
14	b	801	CLA	O2D-CGD-CBD	5.07	120.09	111.23
14	k	101	CLA	C3D-C2D-C1D	-5.07	98.92	105.83
14	b	839	CLA	O2D-CGD-CBD	5.06	120.08	111.23
14	a	821	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	B	805	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
16	l	202	BCR	C28-C27-C26	-5.06	105.03	114.06
14	a	838	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	A	840	CLA	C1C-C2C-C3C	-5.06	101.66	106.98
14	H	828	CLA	C1C-C2C-C3C	-5.06	101.66	106.98
14	b	815	CLA	O2A-CGA-O1A	-5.06	110.97	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	834	CLA	C4A-NA-C1A	5.06	108.99	106.68
14	a	852	CLA	O2A-C1-C2	5.06	127.58	108.11
14	A	818	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	b	821	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	G	824	CLA	C4A-NA-C1A	5.06	108.99	106.68
16	F	202	BCR	C24-C23-C22	-5.06	118.75	126.23
14	H	820	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	G	818	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
14	B	815	CLA	CAC-C3C-C4C	5.06	131.37	124.79
14	G	811	CLA	O2D-CGD-CBD	5.06	120.07	111.23
14	A	825	CLA	O2A-CGA-O1A	-5.06	110.98	123.63
14	b	819	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	L	205	CLA	C1D-ND-C4D	-5.06	102.76	106.31
14	A	828	CLA	O2D-CGD-CBD	5.06	120.07	111.23
14	a	833	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	l	205	CLA	O2D-CGD-CBD	5.06	120.07	111.23
13	A	801	CL0	O2D-CGD-CBD	5.05	120.07	111.23
14	X	1701	CLA	C3B-C2B-C1B	-5.05	101.21	107.17
14	G	802	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	b	832	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	l	203	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	A	824	CLA	O2D-CGD-CBD	5.05	120.07	111.23
16	H	852	BCR	C24-C23-C22	-5.05	118.76	126.23
14	H	804	CLA	C3D-C2D-C1D	-5.05	98.93	105.83
14	H	818	CLA	O2A-CGA-O1A	-5.05	110.99	123.63
14	A	819	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	G	816	CLA	O2D-CGD-CBD	5.05	120.06	111.23
14	H	819	CLA	O2D-CGD-CBD	5.05	120.06	111.23
14	A	808	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	b	839	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
14	G	815	CLA	O2D-CGD-CBD	5.05	120.06	111.23
14	H	806	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	G	812	CLA	O2A-CGA-O1A	-5.05	111.00	123.63
14	l	204	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	H	832	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	H	833	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	a	833	CLA	O2D-CGD-CBD	5.05	120.05	111.23
14	b	810	CLA	O2D-CGD-CBD	5.05	120.05	111.23
14	b	802	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	a	835	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	j	1301	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
14	B	841	CLA	O2D-CGD-CBD	5.05	120.05	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	838	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	A	809	CLA	C1C-C2C-C3C	-5.04	101.67	106.98
14	B	814	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	a	840	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	A	822	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	G	812	CLA	O2D-CGD-CBD	5.04	120.05	111.23
14	A	813	CLA	C1C-C2C-C3C	-5.04	101.67	106.98
14	b	828	CLA	C3B-C2B-C1B	-5.04	101.22	107.17
14	A	810	CLA	O2A-CGA-O1A	-5.04	111.02	123.63
14	B	833	CLA	C1C-C2C-C3C	-5.04	101.68	106.98
14	A	813	CLA	C2D-C1D-ND	5.04	115.12	110.13
14	G	828	CLA	C1C-C2C-C3C	-5.04	101.68	106.98
14	a	810	CLA	O2A-CGA-O1A	-5.04	111.02	123.63
14	H	802	CLA	O2D-CGD-CBD	5.04	120.04	111.23
14	H	842	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	a	839	CLA	C4A-NA-C1A	5.04	108.98	106.68
14	j	1301	CLA	C1C-C2C-C3C	-5.04	101.68	106.98
14	G	820	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	a	815	CLA	O2D-CGD-CBD	5.04	120.03	111.23
14	A	821	CLA	O2A-CGA-O1A	-5.04	110.38	123.33
14	G	817	CLA	C3D-C2D-C1D	-5.04	98.96	105.83
14	H	842	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	a	831	CLA	O2A-CGA-O1A	-5.03	111.03	123.63
14	a	805	CLA	O2D-CGD-CBD	5.03	120.03	111.23
14	G	811	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	G	834	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	U	205	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	b	833	CLA	C1C-C2C-C3C	-5.03	101.69	106.98
14	T	101	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	A	816	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	A	834	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	A	852	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	b	810	CLA	C4A-NA-C1A	5.03	108.97	106.68
14	A	815	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	A	806	CLA	C1C-C2C-C3C	-5.03	101.69	106.98
14	G	805	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
14	G	814	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	A	818	CLA	O2D-CGD-CBD	5.03	120.02	111.23
14	B	807	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	G	805	CLA	O2D-CGD-CBD	5.03	120.02	111.23
14	B	842	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	X	1701	CLA	O2D-CGD-CBD	5.02	120.01	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	815	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
14	a	812	CLA	O2A-CGA-O1A	-5.02	111.07	123.63
14	A	832	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	G	828	CLA	O2A-CGA-O1A	-5.02	111.07	123.63
14	G	821	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
14	H	806	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
14	b	830	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	A	808	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	H	836	CLA	C4A-NA-C1A	5.02	108.97	106.68
16	B	845	BCR	C24-C23-C22	-5.02	118.81	126.23
14	B	818	CLA	O2A-CGA-O1A	-5.02	111.08	123.63
14	B	805	CLA	C4D-C3D-CAD	5.02	113.55	108.11
14	G	818	CLA	C3B-C2B-C1B	-5.02	101.26	107.17
14	G	840	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	a	829	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	A	833	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	a	814	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	L	201	CLA	O2D-CGD-CBD	5.01	119.99	111.23
14	a	827	CLA	C4A-NA-C1A	5.01	108.97	106.68
14	a	825	CLA	O2A-CGA-O1A	-5.01	111.09	123.63
14	G	822	CLA	C2D-C1D-ND	5.01	115.09	110.13
14	F	201	CLA	C1D-ND-C4D	-5.01	102.80	106.31
14	B	815	CLA	O2D-CGD-CBD	5.01	119.99	111.23
14	G	818	CLA	O2D-CGD-CBD	5.01	119.99	111.23
14	H	816	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	a	821	CLA	O2A-CGA-O1A	-5.01	110.44	123.33
14	A	812	CLA	CHD-C1D-ND	-5.01	117.75	124.80
14	A	833	CLA	C2D-C1D-ND	5.01	115.08	110.13
14	B	835	CLA	C2D-C1D-ND	5.01	115.08	110.13
14	a	822	CLA	C2D-C1D-ND	5.01	115.08	110.13
14	G	821	CLA	O2A-CGA-O1A	-5.01	110.45	123.33
14	H	834	CLA	C2D-C1D-ND	5.01	115.08	110.13
14	a	841	CLA	O2A-CGA-O1A	-5.01	111.10	123.63
14	G	824	CLA	C2D-C1D-ND	5.01	115.08	110.13
14	B	830	CLA	O2D-CGD-CBD	5.01	119.98	111.23
14	A	812	CLA	O2A-CGA-O1A	-5.01	111.11	123.63
14	B	821	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	H	805	CLA	C1C-C2C-C3C	-5.00	101.72	106.98
14	b	824	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	G	839	CLA	C2D-C1D-ND	5.00	115.08	110.13
14	b	821	CLA	C2B-C1B-NB	5.00	115.51	110.33
14	m	1202	CLA	O2D-CGD-CBD	5.00	119.97	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	829	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	A	821	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
14	J	1302	CLA	C2D-C1D-ND	5.00	115.07	110.13
14	B	825	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	W	1701	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
16	Q	203	BCR	C24-C23-C22	-5.00	118.84	126.23
14	A	840	CLA	C2D-C1D-ND	5.00	115.07	110.13
14	A	832	CLA	O2A-CGA-O1A	-5.00	111.13	123.63
14	B	819	CLA	O2A-CGA-O1A	-4.99	111.14	123.63
14	a	823	CLA	C2D-C1D-ND	4.99	115.07	110.13
14	B	827	CLA	C2D-C1D-ND	4.99	115.07	110.13
14	H	801	CLA	O2A-CGA-O1A	-4.99	111.14	123.63
16	G	843	BCR	C7-C8-C9	-4.99	118.85	126.23
14	B	828	CLA	C2D-C1D-ND	4.99	115.07	110.13
14	b	810	CLA	C3B-C2B-C1B	-4.99	101.29	107.17
14	G	825	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	b	838	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	a	808	CLA	O2D-CGD-CBD	4.99	119.95	111.23
14	a	820	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	G	830	CLA	C4A-NA-C1A	4.99	108.95	106.68
14	b	818	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	A	840	CLA	O2A-CGA-O1A	-4.99	111.16	123.63
14	j	1301	CLA	C3D-C2D-C1D	-4.99	99.03	105.83
14	b	804	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	G	825	CLA	O2A-CGA-O1A	-4.99	111.16	123.63
14	B	835	CLA	C1C-C2C-C3C	-4.98	101.74	106.98
14	A	831	CLA	O2A-CGA-O1A	-4.98	111.16	123.63
14	G	841	CLA	O2D-CGD-CBD	4.98	119.94	111.23
14	G	828	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	H	807	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	G	823	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	B	814	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	H	835	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	A	825	CLA	C2D-C1D-ND	4.98	115.06	110.13
14	H	802	CLA	C2D-C1D-ND	4.98	115.05	110.13
14	A	830	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	H	834	CLA	O2A-CGA-O1A	-4.98	111.17	123.63
14	A	805	CLA	O2D-CGD-CBD	4.98	119.93	111.23
14	b	823	CLA	CMD-C2D-C1D	4.98	133.49	124.73
14	b	812	CLA	O2D-CGD-CBD	4.98	119.93	111.23
14	B	834	CLA	C2D-C1D-ND	4.98	115.05	110.13
14	H	806	CLA	C2D-C1D-ND	4.98	115.05	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	852	BCR	C7-C8-C9	-4.98	118.87	126.23
14	H	813	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
14	A	805	CLA	O2A-CGA-CBA	4.98	127.01	111.83
14	G	851	CLA	O2A-CGA-O1A	-4.98	111.18	123.63
14	j	1303	CLA	C4A-NA-C1A	4.98	108.95	106.68
14	a	812	CLA	C1D-ND-C4D	-4.98	102.82	106.31
14	B	827	CLA	C3D-C2D-C1D	-4.97	99.04	105.83
14	H	813	CLA	O2D-CGD-CBD	4.97	119.93	111.23
14	A	829	CLA	C1D-ND-C4D	-4.97	102.82	106.31
14	H	805	CLA	O2A-C1-C2	4.97	127.24	108.11
14	G	832	CLA	O2A-CGA-O1A	-4.97	111.19	123.63
14	B	810	CLA	C2D-C1D-ND	4.97	115.05	110.13
14	U	206	CLA	C1D-ND-C4D	-4.97	102.83	106.31
14	b	801	CLA	O2A-CGA-O1A	-4.97	111.20	123.63
14	a	831	CLA	C4A-NA-C1A	4.97	108.95	106.68
14	a	832	CLA	O2A-CGA-O1A	-4.97	111.20	123.63
14	b	836	CLA	C4A-NA-C1A	4.97	108.94	106.68
16	f	201	BCR	C24-C23-C22	-4.97	118.89	126.23
14	a	805	CLA	O2A-CGA-CBA	4.97	126.98	111.83
14	G	806	CLA	C1C-C2C-C3C	-4.97	101.76	106.98
14	G	840	CLA	O2A-CGA-O1A	-4.96	111.21	123.63
14	a	806	CLA	C1C-C2C-C3C	-4.96	101.76	106.98
14	G	831	CLA	O2A-CGA-O1A	-4.96	111.22	123.63
14	H	834	CLA	C4A-NA-C1A	4.96	108.94	106.68
14	H	825	CLA	C3D-C2D-C1D	-4.96	99.06	105.83
14	A	815	CLA	O2D-CGD-CBD	4.96	119.90	111.23
14	U	207	CLA	O2D-CGD-CBD	4.96	119.90	111.23
14	W	1701	CLA	O2D-CGD-CBD	4.96	119.90	111.23
14	a	853	CLA	O2A-CGA-O1A	-4.96	111.23	123.63
14	A	802	CLA	C2D-C1D-ND	4.96	115.03	110.13
14	l	205	CLA	C2D-C1D-ND	4.96	115.03	110.13
14	b	839	CLA	C1C-C2C-C3C	-4.96	101.77	106.98
14	G	824	CLA	C3D-C2D-C1D	-4.96	99.07	105.83
14	B	841	CLA	C2D-C1D-ND	4.95	115.03	110.13
14	B	833	CLA	C2D-C1D-ND	4.95	115.03	110.13
16	b	848	BCR	C24-C23-C22	-4.95	118.91	126.23
14	a	821	CLA	OBD-CAD-C3D	-4.95	116.84	128.42
14	G	835	CLA	C2D-C1D-ND	4.95	115.03	110.13
14	B	840	CLA	C2D-C1D-ND	4.95	115.03	110.13
14	A	834	CLA	O2A-CGA-O1A	-4.95	110.60	123.33
16	l	202	BCR	C24-C23-C22	-4.95	118.91	126.23
14	a	841	CLA	C2D-C1D-ND	4.95	115.02	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	206	CLA	C2D-C1D-ND	4.95	115.02	110.13
14	G	833	CLA	C2D-C1D-ND	4.95	115.02	110.13
14	A	831	CLA	C4A-NA-C1A	4.95	108.94	106.68
14	B	806	CLA	O2A-CGA-O1A	-4.95	111.25	123.63
14	H	841	CLA	C2D-C1D-ND	4.95	115.02	110.13
14	A	833	CLA	O2D-CGD-CBD	4.95	119.88	111.23
16	B	844	BCR	C7-C8-C9	-4.94	118.92	126.23
14	B	831	CLA	C3B-C2B-C1B	-4.94	101.34	107.17
16	B	850	BCR	C24-C23-C22	-4.94	118.92	126.23
16	b	843	BCR	C24-C23-C22	-4.94	118.92	126.23
14	a	840	CLA	O2A-CGA-O1A	-4.94	111.27	123.63
16	H	849	BCR	C24-C23-C22	-4.94	118.92	126.23
14	G	832	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
14	b	822	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
14	b	821	CLA	C2C-C1C-NC	4.94	115.17	109.98
14	a	829	CLA	C1D-ND-C4D	-4.94	102.84	106.31
14	G	805	CLA	O2A-CGA-CBA	4.94	126.90	111.83
14	a	815	CLA	C4A-NA-C1A	4.94	108.93	106.68
14	H	838	CLA	O2D-CGD-CBD	4.94	119.87	111.23
14	B	816	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
14	b	813	CLA	O2A-CGA-O1A	-4.94	111.28	123.63
14	B	832	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
14	G	827	CLA	C4A-NA-C1A	4.94	108.93	106.68
14	a	816	CLA	O2D-CGD-CBD	4.93	119.86	111.23
14	b	811	CLA	C2D-C1D-ND	4.93	115.01	110.13
14	A	826	CLA	C4A-NA-C1A	4.93	108.93	106.68
14	a	824	CLA	O2D-CGD-CBD	4.93	119.86	111.23
14	b	836	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	j	1301	CLA	C4A-NA-C1A	4.93	108.93	106.68
14	B	839	CLA	O2A-CGA-O1A	-4.93	111.30	123.63
16	a	844	BCR	C7-C8-C9	-4.93	118.94	126.23
16	U	203	BCR	C24-C23-C22	-4.93	118.94	126.23
14	G	824	CLA	O2A-CGA-O1A	-4.93	111.30	123.63
14	H	839	CLA	C1D-ND-C4D	-4.93	102.85	106.31
14	B	833	CLA	C4A-NA-C1A	4.93	108.93	106.68
16	H	844	BCR	C7-C8-C9	-4.93	118.95	126.23
14	a	824	CLA	O2A-CGA-O1A	-4.93	111.31	123.63
14	b	827	CLA	C4A-NA-C1A	4.93	108.93	106.68
14	B	805	CLA	O2A-CGA-O1A	-4.92	111.32	123.63
14	b	832	CLA	O2A-CGA-O1A	-4.92	111.32	123.63
14	x	1701	CLA	O2D-CGD-CBD	4.92	119.83	111.23
14	a	802	CLA	C4A-NA-C1A	4.92	108.92	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	833	CLA	O2A-CGA-CBA	4.92	126.84	111.83
14	a	833	CLA	O2A-CGA-CBA	4.92	126.84	111.83
14	b	834	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	A	820	CLA	C2C-C1C-NC	4.92	115.15	109.98
16	b	850	BCR	C7-C8-C9	-4.92	118.96	126.23
14	L	204	CLA	O2A-CGA-O1A	-4.92	111.33	123.63
14	H	810	CLA	C2D-C1D-ND	4.92	114.99	110.13
14	B	834	CLA	O2A-CGA-O1A	-4.92	111.33	123.63
14	Q	201	CLA	C2C-C1C-NC	4.92	115.14	109.98
14	B	813	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
14	A	839	CLA	O2A-CGA-O1A	-4.91	111.34	123.63
14	a	839	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
14	B	826	CLA	O2D-CGD-CBD	4.91	119.82	111.23
14	b	804	CLA	C1C-C2C-C3C	-4.91	101.81	106.98
14	a	825	CLA	C2D-C1D-ND	4.91	114.99	110.13
14	a	806	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	G	803	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
14	b	839	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	a	842	CLA	C2D-C1D-ND	4.91	114.98	110.13
14	H	830	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
14	A	820	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	G	810	CLA	O2A-CGA-O1A	-4.91	111.36	123.63
14	H	816	CLA	O2A-CGA-O1A	-4.91	111.36	123.63
14	G	827	CLA	C1C-C2C-C3C	-4.90	101.82	106.98
14	a	819	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	H	808	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	b	838	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	A	835	CLA	C2D-C1D-ND	4.90	114.98	110.13
14	G	839	CLA	O2A-CGA-O1A	-4.90	111.37	123.63
14	b	823	CLA	O2A-CGA-O1A	-4.90	111.37	123.63
14	H	806	CLA	O2A-CGA-O1A	-4.90	111.37	123.63
14	J	1303	CLA	C4A-NA-C1A	4.90	108.91	106.68
14	G	834	CLA	O2A-CGA-O1A	-4.90	110.73	123.33
14	a	826	CLA	C4A-NA-C1A	4.90	108.91	106.68
14	B	802	CLA	O2D-CGD-CBD	4.90	119.79	111.23
14	b	837	CLA	O2A-CGA-O1A	-4.89	111.38	123.63
14	U	205	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	B	813	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	A	805	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	G	841	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	G	802	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	B	817	CLA	C2D-C1D-ND	4.89	114.97	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	203	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	G	838	CLA	C4A-NA-C1A	4.89	108.91	106.68
14	A	811	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	H	822	CLA	O2A-CGA-O1A	-4.89	110.76	123.33
14	a	840	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	b	824	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	G	812	CLA	C1D-ND-C4D	-4.89	102.88	106.31
14	B	808	CLA	C4A-NA-C1A	4.89	108.91	106.68
14	b	822	CLA	O2D-CGD-CBD	4.89	119.77	111.23
14	A	842	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	H	828	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	B	802	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	b	802	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	A	824	CLA	O2A-CGA-O1A	-4.88	111.41	123.63
14	B	824	CLA	C3D-C2D-C1D	-4.88	99.17	105.83
14	b	810	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	A	842	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
14	a	820	CLA	O2D-CGD-CBD	4.88	119.76	111.23
14	H	838	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
14	H	805	CLA	O2A-CGA-O1A	-4.88	111.42	123.63
14	H	819	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	H	824	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	H	840	CLA	C2D-C1D-ND	4.88	114.95	110.13
14	A	833	CLA	O2A-CGA-CBA	4.88	126.71	111.83
14	a	834	CLA	O2A-CGA-O1A	-4.88	110.79	123.33
14	b	823	CLA	C1C-C2C-C3C	-4.88	101.85	106.98
14	G	838	CLA	O2D-CGD-CBD	4.87	119.75	111.23
14	A	838	CLA	C2D-C1D-ND	4.87	114.95	110.13
14	a	803	CLA	C2D-C1D-ND	4.87	114.95	110.13
14	J	1301	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
14	G	820	CLA	C4A-NA-C1A	4.87	108.90	106.68
14	B	825	CLA	C2D-C1D-ND	4.87	114.95	110.13
14	G	806	CLA	C1D-ND-C4D	-4.87	102.89	106.31
14	G	816	CLA	C2D-C1D-ND	4.87	114.94	110.13
14	A	811	CLA	C4A-NA-C1A	4.87	108.90	106.68
14	A	827	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	H	839	CLA	O2A-CGA-O1A	-4.87	111.45	123.63
14	B	814	CLA	C4A-NA-C1A	4.87	108.90	106.68
14	a	809	CLA	C1C-C2C-C3C	-4.86	101.86	106.98
14	a	816	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	b	825	CLA	C1C-C2C-C3C	-4.86	101.86	106.98
16	L	209	BCR	C24-C23-C22	-4.86	119.04	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	841	CLA	O2A-CGA-O1A	-4.86	110.83	123.33
14	a	826	CLA	C1C-C2C-C3C	-4.86	101.87	106.98
14	H	814	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	B	816	CLA	O2A-CGA-O1A	-4.86	111.47	123.63
14	k	101	CLA	O2A-CGA-O1A	-4.86	110.84	123.33
14	G	841	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	a	853	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	B	812	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	a	808	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	H	825	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	a	842	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	a	832	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	b	821	CLA	C1C-C2C-C3C	-4.85	101.88	106.98
14	G	821	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	A	829	CLA	O2A-CGA-O1A	-4.85	111.50	123.63
14	b	814	CLA	C2D-C1D-ND	4.85	114.92	110.13
14	G	824	CLA	O2D-CGD-CBD	4.85	119.70	111.23
14	k	102	CLA	C4A-NA-C1A	4.85	108.89	106.68
14	a	852	CLA	O2A-CGA-O1A	-4.85	111.51	123.63
14	L	201	CLA	O2A-CGA-O1A	-4.85	111.51	123.63
14	K	1401	CLA	C4A-NA-C1A	4.84	108.89	106.68
16	I	101	BCR	C24-C23-C22	-4.84	119.07	126.23
14	b	807	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	H	821	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	A	826	CLA	C1D-ND-C4D	-4.84	102.92	106.31
14	T	101	CLA	O2A-CGA-O1A	-4.84	110.88	123.33
14	A	808	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	a	810	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	B	826	CLA	O2A-CGA-O1A	-4.84	111.52	123.63
14	R	101	CLA	O2A-CGA-O1A	-4.84	111.52	123.63
14	G	820	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	B	836	CLA	C3B-C2B-C1B	-4.84	101.47	107.17
14	A	822	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	H	830	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	A	823	CLA	C2D-C1D-ND	4.84	114.91	110.13
14	B	819	CLA	C2D-C1D-ND	4.84	114.91	110.13
14	G	829	CLA	O2A-CGA-O1A	-4.84	111.53	123.63
14	H	836	CLA	C3B-C2B-C1B	-4.83	101.47	107.17
14	J	1301	CLA	C3B-C2B-C1B	-4.83	101.47	107.17
16	H	845	BCR	C24-C23-C22	-4.83	119.08	126.23
14	G	833	CLA	O2D-CGD-CBD	4.83	119.68	111.23
14	A	823	CLA	C1C-C2C-C3C	-4.83	101.90	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	U	207	CLA	C2D-C1D-ND	4.83	114.91	110.13
14	a	835	CLA	C2D-C1D-ND	4.83	114.90	110.13
14	G	808	CLA	O2D-CGD-CBD	4.83	119.67	111.23
14	Q	201	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	G	831	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	A	824	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	j	1302	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	b	811	CLA	O2A-CGA-O1A	-4.82	110.93	123.33
14	a	805	CLA	C3B-C2B-C1B	-4.82	101.48	107.17
14	a	839	CLA	O2D-CGD-CBD	4.82	119.66	111.23
14	V	1601	CLA	O2D-CGD-CBD	4.82	119.66	111.23
16	H	847	BCR	C11-C12-C13	4.82	139.58	126.36
14	b	823	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
14	A	807	CLA	O2A-CGA-O1A	-4.82	111.58	123.63
14	H	824	CLA	O2D-CGD-CBD	4.82	119.65	111.23
14	G	808	CLA	O2A-CGA-O1A	-4.82	111.58	123.63
14	A	808	CLA	O2A-CGA-O1A	-4.81	111.58	123.63
14	U	205	CLA	C1D-ND-C4D	-4.81	102.93	106.31
16	a	849	BCR	C7-C8-C9	-4.81	119.11	126.23
14	S	102	CLA	C4A-NA-C1A	4.81	108.88	106.68
14	G	811	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	l	203	CLA	C1D-ND-C4D	-4.81	102.94	106.31
14	a	829	CLA	O2A-CGA-O1A	-4.81	111.60	123.63
14	M	1601	CLA	O2A-CGA-O1A	-4.81	110.97	123.33
14	A	830	CLA	C2D-C1D-ND	4.81	114.88	110.13
14	S	101	CLA	C2D-C1D-ND	4.81	114.88	110.13
14	B	836	CLA	C2D-C1D-ND	4.81	114.88	110.13
14	b	832	CLA	C1C-C2C-C3C	-4.81	101.93	106.98
16	B	849	BCR	C24-C23-C22	-4.80	119.13	126.23
14	a	808	CLA	O2A-CGA-O1A	-4.80	111.61	123.63
16	b	847	BCR	C24-C23-C22	-4.80	119.13	126.23
14	G	815	CLA	C4A-NA-C1A	4.80	108.87	106.68
14	a	811	CLA	C2D-C1D-ND	4.80	114.88	110.13
14	B	838	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
13	a	801	CL0	C2D-C1D-ND	4.80	114.88	110.13
14	A	852	CLA	O2A-CGA-O1A	-4.80	111.62	123.63
14	b	809	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
13	a	801	CL0	C3D-C2D-C1D	-4.80	99.28	105.83
14	M	1601	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	V	1601	CLA	O2A-CGA-O1A	-4.80	110.99	123.33
14	H	814	CLA	O2A-CGA-O1A	-4.80	110.99	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	838	CLA	C2D-C1D-ND	4.80	114.87	110.13
14	b	827	CLA	C3B-C2B-C1B	-4.80	101.52	107.17
16	H	852	BCR	C38-C26-C25	-4.80	119.25	124.48
14	b	839	CLA	O2A-CGA-O1A	-4.79	111.64	123.63
14	T	102	CLA	C4A-NA-C1A	4.79	108.87	106.68
14	H	826	CLA	C2C-C1C-NC	4.79	115.02	109.98
14	B	814	CLA	C1D-ND-C4D	-4.79	102.95	106.31
16	H	850	BCR	C24-C23-C22	-4.79	119.15	126.23
14	A	824	CLA	CMD-C2D-C1D	4.79	133.16	124.73
14	b	804	CLA	O2A-CGA-O1A	-4.79	111.65	123.63
14	H	825	CLA	O2A-CGA-O1A	-4.79	111.02	123.33
14	G	826	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
14	H	841	CLA	O2A-CGA-O1A	-4.79	111.65	123.63
14	m	1202	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
14	H	816	CLA	CMC-C2C-C1C	4.79	132.51	125.03
14	b	815	CLA	C2D-C1D-ND	4.79	114.86	110.13
14	a	810	CLA	C2D-C1D-ND	4.78	114.86	110.13
14	A	810	CLA	O2D-CGD-CBD	4.78	119.59	111.23
14	B	841	CLA	O2A-CGA-O1A	-4.78	111.66	123.63
14	b	818	CLA	O2D-CGD-CBD	4.78	119.59	111.23
14	B	811	CLA	C1D-ND-C4D	-4.78	102.96	106.31
16	U	203	BCR	C28-C27-C26	-4.78	105.53	114.06
14	m	1202	CLA	O2A-CGA-O1A	-4.78	111.04	123.33
14	b	830	CLA	C4A-NA-C1A	4.78	108.86	106.68
14	A	816	CLA	C2D-C1D-ND	4.78	114.85	110.13
14	a	826	CLA	C2D-C1D-ND	4.78	114.85	110.13
14	A	837	CLA	O2A-CGA-O1A	-4.78	111.05	123.33
14	J	1302	CLA	O2A-CGA-O1A	-4.78	111.05	123.33
14	b	827	CLA	O2A-CGA-O1A	-4.77	111.69	123.63
14	B	807	CLA	C2B-C1B-NB	4.77	115.28	110.33
14	j	1302	CLA	O2A-CGA-O1A	-4.77	111.06	123.33
16	i	101	BCR	C24-C23-C22	-4.77	119.18	126.23
14	B	804	CLA	O2A-CGA-O1A	-4.77	111.69	123.63
14	a	838	CLA	C2D-C1D-ND	4.77	114.85	110.13
14	b	822	CLA	O2A-CGA-O1A	-4.77	111.07	123.33
14	a	816	CLA	O2A-CGA-O1A	-4.77	111.70	123.63
14	a	824	CLA	C2D-C1D-ND	4.77	114.84	110.13
14	H	821	CLA	C2D-C1D-ND	4.77	114.84	110.13
14	U	201	CLA	O2A-CGA-O1A	-4.77	111.70	123.63
14	H	812	CLA	C3D-C2D-C1D	-4.77	99.33	105.83
14	a	837	CLA	O2A-CGA-O1A	-4.77	111.08	123.33
14	S	101	CLA	O2A-CGA-O1A	-4.77	111.08	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	825	CLA	O2A-CGA-O1A	-4.76	111.08	123.33
14	F	201	CLA	C3B-C2B-C1B	-4.76	101.55	107.17
14	H	836	CLA	C2D-C1D-ND	4.76	114.84	110.13
14	a	807	CLA	O2A-CGA-O1A	-4.76	111.71	123.63
14	B	824	CLA	O2D-CGD-CBD	4.76	119.56	111.23
14	b	825	CLA	C2D-C1D-ND	4.76	114.84	110.13
16	A	844	BCR	C7-C8-C9	-4.76	119.19	126.23
14	H	830	CLA	O2A-CGA-O1A	-4.76	111.72	123.63
16	L	209	BCR	C28-C27-C26	-4.76	105.57	114.06
14	G	825	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	H	804	CLA	O2A-CGA-O1A	-4.76	111.72	123.63
14	G	814	CLA	C1C-C2C-C3C	-4.76	101.98	106.98
14	G	810	CLA	O2D-CGD-CBD	4.76	119.55	111.23
14	H	813	CLA	C2D-C1D-ND	4.76	114.83	110.13
14	T	101	CLA	C2D-C1D-ND	4.76	114.83	110.13
14	b	840	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
14	A	828	CLA	C3B-C2B-C1B	-4.75	101.56	107.17
14	B	830	CLA	O2A-CGA-O1A	-4.75	111.74	123.63
14	H	823	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	G	836	CLA	O2D-CGD-CBD	4.75	119.54	111.23
14	b	834	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	a	820	CLA	C4A-NA-C1A	4.75	108.85	106.68
14	Q	201	CLA	C1C-C2C-C3C	-4.75	101.98	106.98
14	a	826	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	H	837	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	a	817	CLA	O2D-CGD-O1D	-4.75	114.61	123.85
14	W	1701	CLA	O2A-CGA-O1A	-4.75	111.12	123.33
14	B	810	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	x	1701	CLA	O2A-CGA-O1A	-4.75	111.12	123.33
14	a	804	CLA	O2A-C1-C2	4.74	126.37	108.11
14	A	820	CLA	O2D-CGD-CBD	4.74	119.53	111.23
14	G	837	CLA	O2A-CGA-O1A	-4.74	111.13	123.33
14	V	1601	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	A	838	CLA	C4A-NA-C1A	4.74	108.84	106.68
14	b	822	CLA	C2D-C1D-ND	4.74	114.82	110.13
14	a	827	CLA	C2D-C1D-ND	4.74	114.82	110.13
14	l	204	CLA	O2A-CGA-O1A	-4.74	111.77	123.63
14	H	831	CLA	C3B-C2B-C1B	-4.74	101.58	107.17
14	G	818	CLA	C2D-C1D-ND	4.74	114.82	110.13
14	G	804	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	b	806	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	A	809	CLA	O2A-CGA-O1A	-4.74	111.14	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	810	CLA	O2A-CGA-O1A	-4.74	111.78	123.63
14	b	804	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
14	a	809	CLA	O2A-CGA-O1A	-4.74	111.15	123.33
14	B	835	CLA	O2A-CGA-O1A	-4.74	111.15	123.33
14	L	205	CLA	O2A-CGA-O1A	-4.73	111.78	123.63
16	R	102	BCR	C24-C23-C22	-4.73	119.23	126.23
14	X	1701	CLA	O2A-CGA-O1A	-4.73	111.16	123.33
16	A	844	BCR	C24-C23-C22	-4.73	119.23	126.23
14	G	837	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	H	810	CLA	O2A-CGA-O1A	-4.73	111.79	123.63
14	b	836	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	b	837	CLA	C1D-ND-C4D	-4.73	102.99	106.31
14	G	804	CLA	C1C-C2C-C3C	-4.73	102.00	106.98
14	A	841	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	a	809	CLA	O2D-CGD-CBD	4.73	119.50	111.23
14	A	810	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	B	822	CLA	O2A-CGA-O1A	-4.73	111.17	123.33
14	G	809	CLA	O2A-CGA-O1A	-4.72	111.18	123.33
14	H	832	CLA	O2A-CGA-O1A	-4.72	111.18	123.33
14	b	803	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	B	839	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	G	838	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	H	835	CLA	O2A-CGA-O1A	-4.72	111.19	123.33
14	a	842	CLA	O2A-CGA-O1A	-4.72	111.82	123.63
14	a	804	CLA	O2A-CGA-O1A	-4.72	111.82	123.63
14	k	101	CLA	C2D-C1D-ND	4.72	114.80	110.13
16	G	844	BCR	C24-C23-C22	-4.72	119.25	126.23
14	G	809	CLA	C1C-C2C-C3C	-4.72	102.02	106.98
14	b	833	CLA	O2A-CGA-O1A	-4.72	111.20	123.33
14	Q	202	CLA	O2D-CGD-CBD	4.72	119.47	111.23
14	H	804	CLA	C2B-C1B-NB	4.72	115.22	110.33
14	H	833	CLA	O2D-CGD-CBD	4.72	119.47	111.23
14	G	813	CLA	O2A-CGA-O1A	-4.71	111.21	123.33
14	B	837	CLA	O2A-CGA-O1A	-4.71	111.21	123.33
14	F	201	CLA	C4A-NA-C1A	4.71	108.83	106.68
14	B	833	CLA	O2A-CGA-O1A	-4.71	111.21	123.33
14	a	811	CLA	C4A-NA-C1A	4.71	108.83	106.68
14	k	102	CLA	O2A-CGA-O1A	-4.71	111.21	123.33
14	b	820	CLA	C2D-C1D-ND	4.71	114.79	110.13
14	a	819	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
16	B	852	BCR	C24-C23-C22	-4.71	119.27	126.23
16	b	846	BCR	C24-C23-C22	-4.71	119.27	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	816	CLA	O2A-CGA-O1A	-4.71	111.85	123.63
14	A	818	CLA	C2D-C1D-ND	4.71	114.79	110.13
14	U	206	CLA	O2A-CGA-O1A	-4.71	111.85	123.63
14	G	827	CLA	C2B-C1B-NB	4.71	115.21	110.33
14	T	102	CLA	O2A-CGA-O1A	-4.71	111.22	123.33
14	A	837	CLA	C2D-C1D-ND	4.71	114.78	110.13
14	J	1303	CLA	C2D-C1D-ND	4.71	114.78	110.13
14	b	823	CLA	CMC-C2C-C1C	4.71	132.39	125.03
14	H	836	CLA	O2D-CGD-CBD	4.71	119.46	111.23
14	b	830	CLA	O2A-CGA-O1A	-4.71	111.23	123.33
14	G	841	CLA	O2A-CGA-O1A	-4.71	111.86	123.63
14	K	1401	CLA	O2A-CGA-O1A	-4.70	111.23	123.33
14	b	834	CLA	O2D-CGD-CBD	4.70	119.45	111.23
14	a	813	CLA	O2A-CGA-O1A	-4.70	111.23	123.33
14	a	809	CLA	C1D-ND-C4D	-4.70	103.01	106.31
14	A	813	CLA	O2A-CGA-O1A	-4.70	111.24	123.33
14	b	835	CLA	O2A-CGA-O1A	-4.70	111.24	123.33
14	B	834	CLA	C1C-C2C-C3C	-4.70	102.04	106.98
14	A	826	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	b	821	CLA	O2D-CGD-CBD	4.70	119.44	111.23
14	H	821	CLA	O2A-CGA-O1A	-4.70	111.88	123.63
14	H	803	CLA	C2D-C1D-ND	4.70	114.78	110.13
16	b	842	BCR	C3-C4-C5	-4.70	105.68	114.06
14	H	833	CLA	O2A-CGA-O1A	-4.70	111.25	123.33
14	H	812	CLA	C2D-C1D-ND	4.70	114.77	110.13
14	A	809	CLA	O2D-CGD-CBD	4.70	119.44	111.23
14	B	824	CLA	C2B-C1B-NB	4.70	115.19	110.33
14	B	826	CLA	C1C-C2C-C3C	-4.69	102.04	106.98
14	S	102	CLA	C2D-C1D-ND	4.69	114.77	110.13
14	a	814	CLA	O2A-CGA-O1A	-4.69	111.26	123.33
14	H	831	CLA	C3D-C2D-C1D	-4.69	99.42	105.83
14	B	814	CLA	O2A-CGA-O1A	-4.69	111.26	123.33
14	H	836	CLA	O2A-CGA-O1A	-4.69	111.26	123.33
14	b	806	CLA	O2A-CGA-O1A	-4.69	111.89	123.63
14	B	809	CLA	O2A-CGA-O1A	-4.69	111.89	123.63
14	A	842	CLA	O2A-CGA-O1A	-4.69	111.89	123.63
14	a	828	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
14	b	807	CLA	O2A-CGA-O1A	-4.69	111.90	123.63
14	a	838	CLA	O2A-CGA-O1A	-4.69	111.90	123.63
14	H	837	CLA	O2A-CGA-O1A	-4.69	111.27	123.33
14	H	819	CLA	O2A-CGA-O1A	-4.69	111.90	123.63
14	G	820	CLA	C1D-ND-C4D	-4.69	103.02	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	823	CLA	C1D-ND-C4D	-4.69	103.02	106.31
14	G	836	CLA	O2A-CGA-O1A	-4.69	111.91	123.63
14	A	825	CLA	C4A-NA-C1A	4.69	108.82	106.68
14	G	827	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	H	829	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	k	102	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	G	819	CLA	C4A-NA-C1A	4.68	108.82	106.68
14	B	830	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	G	816	CLA	O2A-CGA-O1A	-4.68	111.91	123.63
14	B	803	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	K	1401	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	A	820	CLA	C4A-NA-C1A	4.68	108.81	106.68
14	B	836	CLA	O2A-CGA-O1A	-4.68	111.29	123.33
14	a	837	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	a	818	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	j	1303	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	B	838	CLA	C4A-NA-C1A	4.68	108.81	106.68
14	Q	201	CLA	C3B-C2B-C1B	-4.68	101.66	107.17
14	A	830	CLA	C4A-NA-C1A	4.68	108.81	106.68
14	A	819	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	H	815	CLA	C1D-ND-C4D	-4.68	103.03	106.31
14	b	809	CLA	O2D-CGD-CBD	4.68	119.40	111.23
14	H	809	CLA	O2A-CGA-O1A	-4.67	111.94	123.63
14	l	205	CLA	O2A-CGA-O1A	-4.67	111.94	123.63
14	b	834	CLA	O2A-CGA-O1A	-4.67	111.31	123.33
14	A	826	CLA	CMC-C2C-C1C	4.67	132.34	125.03
13	G	801	CL0	C3B-C2B-C1B	-4.67	101.66	107.17
14	b	820	CLA	O2A-CGA-O1A	-4.67	111.32	123.33
14	a	836	CLA	O2A-CGA-O1A	-4.67	111.94	123.63
14	H	823	CLA	O2A-CGA-O1A	-4.67	111.32	123.33
14	G	814	CLA	O2A-CGA-O1A	-4.67	111.32	123.33
14	B	809	CLA	O2D-CGD-CBD	4.67	119.39	111.23
14	B	818	CLA	C2D-C1D-ND	4.67	114.75	110.13
14	G	830	CLA	C3B-C2B-C1B	-4.67	101.67	107.17
14	H	826	CLA	O2A-CGA-O1A	-4.67	111.96	123.63
14	b	838	CLA	O2A-CGA-O1A	-4.67	111.33	123.33
14	H	809	CLA	O2D-CGD-CBD	4.66	119.39	111.23
14	b	806	CLA	O2D-CGD-CBD	4.66	119.38	111.23
14	l	205	CLA	C4A-NA-C1A	4.66	108.81	106.68
14	G	834	CLA	C1D-ND-C4D	-4.66	103.04	106.31
14	b	819	CLA	O2A-CGA-O1A	-4.66	111.35	123.33
14	B	815	CLA	C1D-ND-C4D	-4.66	103.04	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	807	CLA	C1D-ND-C4D	-4.66	103.04	106.31
14	G	823	CLA	C1C-C2C-C3C	-4.66	102.08	106.98
14	A	835	CLA	O2A-CGA-O1A	-4.65	111.99	123.63
14	T	102	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	G	819	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	b	813	CLA	CMC-C2C-C1C	4.65	132.30	125.03
14	b	818	CLA	O2A-CGA-O1A	-4.65	112.00	123.63
16	a	845	BCR	C24-C23-C22	-4.65	119.36	126.23
14	G	803	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	A	814	CLA	O2A-CGA-O1A	-4.65	111.38	123.33
14	a	804	CLA	C1D-ND-C4D	-4.65	103.05	106.31
14	L	206	CLA	C4A-NA-C1A	4.64	108.80	106.68
16	H	852	BCR	C34-C9-C10	-4.64	115.29	122.82
14	Q	202	CLA	O2A-CGA-O1A	-4.64	111.39	123.33
14	B	812	CLA	O2D-CGD-CBD	4.64	119.35	111.23
14	B	804	CLA	C2B-C1B-NB	4.64	115.14	110.33
14	b	835	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	J	1301	CLA	O2A-CGA-O1A	-4.64	111.39	123.33
14	L	206	CLA	O2A-CGA-O1A	-4.64	112.02	123.63
14	A	834	CLA	C1D-ND-C4D	-4.64	103.06	106.31
14	a	820	CLA	C1D-ND-C4D	-4.64	103.06	106.31
14	A	815	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	a	831	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	H	809	CLA	C1D-ND-C4D	-4.64	103.06	106.31
14	j	1301	CLA	O2A-CGA-O1A	-4.64	111.40	123.33
14	A	839	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
14	B	836	CLA	O2D-CGD-CBD	4.64	119.34	111.23
14	A	836	CLA	O2A-CGA-O1A	-4.64	112.03	123.63
14	A	831	CLA	C2D-C1D-ND	4.64	114.72	110.13
16	H	848	BCR	C24-C23-C22	-4.64	119.38	126.23
14	B	804	CLA	C2D-C1D-ND	4.64	114.72	110.13
16	b	842	BCR	C7-C8-C9	-4.64	119.38	126.23
14	H	842	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
14	A	804	CLA	O2A-CGA-O1A	-4.64	112.03	123.63
14	B	837	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	b	829	CLA	O2A-CGA-O1A	-4.63	111.42	123.33
14	H	804	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	a	835	CLA	O2A-CGA-O1A	-4.63	112.04	123.63
14	A	817	CLA	C2D-C1D-ND	4.63	114.71	110.13
16	H	844	BCR	C24-C23-C22	-4.63	119.38	126.23
14	B	840	CLA	O2A-CGA-O1A	-4.63	111.42	123.33
14	A	811	CLA	O2D-CGD-CBD	4.63	119.33	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	G	801	CL0	C2D-C1D-ND	4.63	114.71	110.13
14	A	827	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	H	828	CLA	O2A-CGA-O1A	-4.63	112.05	123.63
14	G	804	CLA	O2A-CGA-O1A	-4.62	112.06	123.63
14	G	832	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	B	832	CLA	O2A-CGA-O1A	-4.62	111.45	123.33
14	a	813	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	H	806	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	a	815	CLA	O2A-CGA-O1A	-4.62	111.46	123.33
14	b	816	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	H	840	CLA	O2A-CGA-O1A	-4.62	111.46	123.33
14	a	805	CLA	C1D-ND-C4D	-4.61	103.07	106.31
14	B	813	CLA	O2A-CGA-O1A	-4.61	111.46	123.33
13	a	801	CL0	C3B-C2B-C1B	-4.61	101.73	107.17
14	b	825	CLA	O2A-CGA-O1A	-4.61	112.09	123.63
14	A	827	CLA	C2B-C1B-NB	4.61	115.11	110.33
14	G	813	CLA	C1D-ND-C4D	-4.61	103.08	106.31
14	U	207	CLA	O2A-CGA-O1A	-4.61	112.09	123.63
14	B	826	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
14	b	818	CLA	C1D-ND-C4D	-4.61	103.08	106.31
15	a	843	PQN	C14-C13-C15	4.61	123.23	115.23
14	A	815	CLA	O2A-CGA-O1A	-4.61	111.48	123.33
14	B	833	CLA	O2D-CGD-CBD	4.61	119.28	111.23
14	A	821	CLA	C1D-ND-C4D	-4.61	103.08	106.31
14	G	839	CLA	C3B-C2B-C1B	-4.61	101.74	107.17
14	A	812	CLA	O2D-CGD-CBD	4.60	119.28	111.23
14	a	827	CLA	C1C-C2C-C3C	-4.60	102.14	106.98
14	a	840	CLA	C3B-C2B-C1B	-4.60	101.74	107.17
14	B	823	CLA	O2A-CGA-O1A	-4.60	111.50	123.33
14	b	803	CLA	C4A-NA-C1A	4.60	108.78	106.68
14	B	828	CLA	O2A-CGA-O1A	-4.60	112.13	123.63
14	A	819	CLA	O2A-CGA-CBA	4.60	125.85	111.83
14	a	813	CLA	C4A-NA-C1A	4.60	108.78	106.68
14	A	805	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	B	817	CLA	O2A-CGA-O1A	-4.59	111.52	123.33
14	H	813	CLA	O2A-CGA-O1A	-4.59	111.52	123.33
14	a	834	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	J	1301	CLA	O2D-CGD-CBD	4.59	119.26	111.23
14	B	823	CLA	C2D-C1D-ND	4.59	114.67	110.13
16	H	852	BCR	C7-C8-C9	-4.59	119.45	126.23
14	B	832	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
16	b	850	BCR	C34-C9-C10	-4.59	115.38	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	804	CLA	C4A-NA-C1A	4.59	108.77	106.68
14	H	812	CLA	O2D-CGD-CBD	4.59	119.25	111.23
16	a	844	BCR	C24-C23-C22	-4.58	119.45	126.23
14	b	803	CLA	O2A-CGA-O1A	-4.58	112.16	123.63
16	A	845	BCR	C24-C23-C22	-4.58	119.45	126.23
14	G	828	CLA	C3B-C2B-C1B	-4.58	101.77	107.17
14	H	805	CLA	O2A-CGA-CBA	4.58	125.81	111.83
14	b	830	CLA	O2D-CGD-CBD	4.58	119.24	111.23
14	H	801	CLA	CMB-C2B-C3B	4.58	137.32	126.55
14	H	834	CLA	C1C-C2C-C3C	-4.58	102.16	106.98
14	A	803	CLA	O2A-CGA-CBA	4.58	125.80	111.83
14	b	810	CLA	O2A-CGA-O1A	-4.58	111.56	123.33
14	H	803	CLA	C4A-NA-C1A	4.58	108.77	106.68
14	G	835	CLA	O2A-CGA-O1A	-4.58	112.18	123.63
14	G	851	CLA	C1C-C2C-C3C	-4.58	102.17	106.98
14	B	835	CLA	C1D-ND-C4D	-4.57	103.10	106.31
14	L	204	CLA	C1D-ND-C4D	-4.57	103.10	106.31
14	L	204	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
14	B	825	CLA	C1D-ND-C4D	-4.57	103.10	106.31
14	H	815	CLA	O2A-CGA-CBA	4.57	125.78	111.83
14	H	818	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	H	835	CLA	C1D-ND-C4D	-4.57	103.10	106.31
14	A	820	CLA	O2A-CGA-O1A	-4.57	112.19	123.63
14	H	810	CLA	C1D-ND-C4D	-4.57	103.11	106.31
14	a	819	CLA	O2A-CGA-CBA	4.57	125.77	111.83
14	J	1301	CLA	C4A-NA-C1A	4.57	108.76	106.68
14	j	1301	CLA	O2D-CGD-CBD	4.57	119.22	111.23
14	b	814	CLA	O2A-CGA-O1A	-4.57	111.58	123.33
14	a	820	CLA	O2A-CGA-O1A	-4.57	112.20	123.63
14	a	853	CLA	C1D-ND-C4D	-4.57	103.11	106.31
14	m	1201	CLA	C2B-C1B-NB	4.57	115.06	110.33
14	A	852	CLA	C1D-ND-C4D	-4.57	103.11	106.31
14	G	820	CLA	O2A-CGA-O1A	-4.56	112.22	123.63
14	B	821	CLA	O2A-CGA-O1A	-4.56	112.22	123.63
14	B	824	CLA	C2D-C1D-ND	4.56	114.64	110.13
14	H	817	CLA	O2A-CGA-O1A	-4.56	111.61	123.33
16	H	844	BCR	C3-C4-C5	-4.56	105.93	114.06
14	a	824	CLA	C3B-C2B-C1B	-4.56	101.80	107.17
14	G	808	CLA	C2D-C1D-ND	4.56	114.64	110.13
14	b	839	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
14	G	817	CLA	C2B-C1B-NB	4.56	115.05	110.33
14	M	1601	CLA	C2D-C1D-ND	4.55	114.63	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	827	CLA	C2B-C1B-NB	4.55	115.05	110.33
14	B	812	CLA	C2D-C1D-ND	4.55	114.63	110.13
14	m	1201	CLA	C1D-ND-C4D	-4.55	103.12	106.31
14	G	808	CLA	C4A-NA-C1A	4.55	108.75	106.68
14	G	831	CLA	C2D-C1D-ND	4.55	114.63	110.13
14	H	811	CLA	O2A-CGA-CBA	4.55	125.70	111.83
13	A	801	CL0	C3B-C2B-C1B	-4.55	101.81	107.17
14	b	807	CLA	C1D-ND-C4D	-4.55	103.12	106.31
14	b	812	CLA	C1D-ND-C4D	-4.54	103.12	106.31
14	b	826	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	A	820	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	A	841	CLA	C4A-NA-C1A	4.54	108.75	106.68
14	b	833	CLA	C1D-ND-C4D	-4.54	103.13	106.31
14	B	811	CLA	O2A-CGA-CBA	4.54	125.68	111.83
14	b	821	CLA	O2A-CGA-CBA	4.54	125.68	111.83
14	b	829	CLA	C3B-C2B-C1B	-4.54	101.82	107.17
14	a	815	CLA	C2D-C1D-ND	4.54	114.62	110.13
14	H	837	CLA	C4A-NA-C1A	4.54	108.75	106.68
14	G	826	CLA	C3B-C2B-C1B	-4.53	101.83	107.17
14	b	824	CLA	C4A-NA-C1A	4.53	108.75	106.68
14	m	1202	CLA	C2D-C1D-ND	4.53	114.61	110.13
14	H	830	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	G	819	CLA	O2A-CGA-CBA	4.53	125.64	111.83
14	b	819	CLA	CMD-C2D-C1D	4.53	132.70	124.73
14	B	813	CLA	C1D-ND-C4D	-4.53	103.14	106.31
14	l	203	CLA	C3B-C2B-C1B	-4.53	101.83	107.17
14	B	815	CLA	O2A-CGA-CBA	4.53	125.63	111.83
14	G	803	CLA	O2A-CGA-CBA	4.52	125.63	111.83
14	b	808	CLA	O2A-CGA-CBA	4.52	125.63	111.83
14	H	803	CLA	O2A-CGA-O1A	-4.52	112.32	123.63
14	G	805	CLA	C1D-ND-C4D	-4.52	103.14	106.31
14	H	832	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
14	A	839	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
14	G	810	CLA	OBD-CAD-C3D	-4.52	117.86	128.42
14	A	813	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	b	835	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	T	101	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	a	817	CLA	C2D-C1D-ND	4.52	114.60	110.13
14	B	829	CLA	C2D-C1D-ND	4.52	114.60	110.13
14	a	826	CLA	O2A-CGA-O1A	-4.52	112.33	123.63
14	G	804	CLA	O2A-C1-C2	4.51	125.48	108.11
16	B	844	BCR	C3-C4-C5	-4.51	106.01	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	813	CLA	C2B-C1B-NB	4.51	115.00	110.33
14	U	207	CLA	C4A-NA-C1A	4.51	108.74	106.68
14	a	830	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	H	829	CLA	C4A-NA-C1A	4.51	108.73	106.68
14	b	812	CLA	O2A-CGA-CBA	4.51	125.57	111.83
14	A	841	CLA	C2C-C1C-NC	4.51	114.71	109.98
14	G	822	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	H	825	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	b	838	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	A	824	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	a	840	CLA	C1D-ND-C4D	-4.50	103.16	106.31
14	G	826	CLA	O2A-CGA-O1A	-4.50	112.37	123.63
14	B	803	CLA	O2A-CGA-O1A	-4.50	112.37	123.63
14	B	827	CLA	C4A-NA-C1A	4.50	108.73	106.68
14	H	820	CLA	O2A-CGA-O1A	-4.50	112.38	123.63
14	b	811	CLA	C4A-NA-C1A	4.50	108.73	106.68
14	B	821	CLA	C2D-C1D-ND	4.49	114.57	110.13
14	G	815	CLA	O2A-CGA-O1A	-4.49	111.78	123.33
14	B	829	CLA	O2A-CGA-CBA	4.49	125.53	111.83
14	a	803	CLA	O2A-CGA-CBA	4.49	125.52	111.83
16	B	844	BCR	C24-C23-C22	-4.49	119.60	126.23
14	H	831	CLA	O2A-CGA-CBA	4.49	125.51	111.83
14	H	829	CLA	O2A-CGA-CBA	4.48	125.51	111.83
14	A	838	CLA	C3B-C2B-C1B	-4.48	101.88	107.17
14	B	809	CLA	C1D-ND-C4D	-4.48	103.17	106.31
14	a	852	CLA	C1D-ND-C4D	-4.48	103.17	106.31
14	b	808	CLA	C1D-ND-C4D	-4.48	103.17	106.31
14	B	831	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
14	B	826	CLA	CMD-C2D-C1D	4.48	132.62	124.73
14	b	817	CLA	C2B-C1B-NB	4.48	114.97	110.33
14	k	101	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	G	826	CLA	C1D-ND-C4D	-4.48	103.17	106.31
14	B	807	CLA	C1D-ND-C4D	-4.47	103.17	106.31
14	H	821	CLA	C1D-ND-C4D	-4.47	103.17	106.31
14	A	826	CLA	O2A-CGA-O1A	-4.47	112.44	123.63
14	a	840	CLA	O2A-CGA-CBA	4.47	125.47	111.83
14	G	807	CLA	O2A-CGA-O1A	-4.47	112.44	123.63
14	b	831	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
14	U	205	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
14	X	1701	CLA	C1D-ND-C4D	-4.47	103.18	106.31
14	a	827	CLA	O2A-C1-C2	4.46	125.29	108.11
14	A	813	CLA	C1D-ND-C4D	-4.46	103.18	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1601	CLA	C2D-C1D-ND	4.46	114.54	110.13
14	a	852	CLA	O2A-CGA-CBA	4.46	125.44	111.83
14	H	801	CLA	C2B-C1B-NB	4.46	114.95	110.33
13	G	801	CL0	C3D-C2D-C1D	-4.46	99.74	105.83
14	b	811	CLA	C1D-ND-C4D	-4.46	103.18	106.31
14	W	1701	CLA	C1D-ND-C4D	-4.46	103.18	106.31
14	a	826	CLA	C3B-C2B-C1B	-4.46	101.91	107.17
14	A	839	CLA	O2A-CGA-CBA	4.46	125.43	111.83
14	B	806	CLA	O2A-CGA-CBA	4.46	125.43	111.83
14	H	827	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	B	824	CLA	O2A-CGA-CBA	4.45	125.42	111.83
14	H	824	CLA	C2B-C1B-NB	4.45	114.94	110.33
14	H	824	CLA	O2A-CGA-CBA	4.45	125.40	111.83
14	A	804	CLA	C2C-C1C-NC	4.45	114.65	109.98
14	A	811	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	G	830	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	A	809	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	b	826	CLA	C4A-NA-C1A	4.45	108.71	106.68
14	H	821	CLA	O2D-CGD-CBD	4.44	119.00	111.23
14	G	839	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	a	823	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	A	803	CLA	C2B-C1B-NB	4.44	114.93	110.33
14	B	840	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	b	805	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	b	821	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	A	852	CLA	O2A-CGA-CBA	4.43	125.35	111.83
14	b	822	CLA	CAA-C2A-C3A	-4.43	101.03	113.00
14	H	820	CLA	C2B-C1B-NB	4.43	114.92	110.33
14	G	812	CLA	CHD-C1D-ND	-4.43	118.57	124.80
14	a	806	CLA	O2A-CGA-CBA	4.43	125.34	111.83
14	A	813	CLA	C2B-C1B-NB	4.43	114.92	110.33
14	b	810	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	a	838	CLA	O2D-CGD-CBD	4.42	118.96	111.23
14	b	826	CLA	O2A-CGA-CBA	4.42	125.31	111.83
14	b	828	CLA	O2A-CGA-CBA	4.42	125.31	111.83
14	G	809	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	H	801	CLA	O2A-CGA-CBA	4.42	125.31	111.83
14	b	814	CLA	C1C-C2C-C3C	-4.42	102.33	106.98
14	L	201	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	G	839	CLA	O2A-CGA-CBA	4.42	125.30	111.83
14	B	837	CLA	C4A-NA-C1A	4.41	108.69	106.68
14	B	801	CLA	O2A-CGA-CBA	4.41	125.29	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	838	CLA	C1D-ND-C4D	-4.41	103.22	106.31
14	G	851	CLA	O2A-CGA-CBA	4.41	125.28	111.83
14	b	818	CLA	C1C-C2C-C3C	-4.41	102.34	106.98
14	a	853	CLA	O2A-CGA-CBA	4.41	125.28	111.83
14	a	822	CLA	C1D-ND-C4D	-4.41	103.22	106.31
14	B	820	CLA	C2B-C1B-NB	4.41	114.90	110.33
14	H	814	CLA	C1D-ND-C4D	-4.41	103.22	106.31
16	B	852	BCR	C34-C9-C10	-4.41	115.68	122.82
14	G	838	CLA	O2A-CGA-CBA	4.40	125.26	111.83
14	b	824	CLA	C2B-C1B-NB	4.40	114.89	110.33
14	B	815	CLA	C4A-NA-C1A	4.40	108.69	106.68
14	A	840	CLA	C3B-C2B-C1B	-4.40	101.98	107.17
14	G	824	CLA	C3B-C2B-C1B	-4.40	101.98	107.17
14	A	806	CLA	O2A-CGA-CBA	4.40	125.26	111.83
17	A	850	LHG	O7-C7-C8	4.40	121.00	111.48
14	H	825	CLA	C4A-NA-C1A	4.40	108.69	106.68
14	G	803	CLA	C2B-C1B-NB	4.40	114.89	110.33
14	G	810	CLA	C2D-C1D-ND	4.40	114.48	110.13
14	G	851	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
14	G	806	CLA	O2A-CGA-CBA	4.40	125.25	111.83
14	B	827	CLA	C1D-ND-C4D	-4.39	103.23	106.31
16	b	845	BCR	C7-C8-C9	-4.39	119.74	126.23
16	J	1304	BCR	C36-C18-C17	-4.39	115.70	122.82
14	G	802	CLA	O2A-CGA-CBA	4.39	125.22	111.83
14	A	822	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	a	825	CLA	C4A-NA-C1A	4.39	108.68	106.68
14	A	839	CLA	C2D-C1D-ND	4.39	114.47	110.13
14	B	831	CLA	O2A-CGA-CBA	4.39	125.22	111.83
14	H	841	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	b	822	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	A	802	CLA	O2A-CGA-CBA	4.39	125.21	111.83
16	B	850	BCR	C3-C4-C5	-4.39	106.23	114.06
14	a	838	CLA	C2B-C1B-NB	4.39	114.88	110.33
14	B	801	CLA	O2D-CGD-CBD	4.39	118.90	111.23
14	a	816	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	H	832	CLA	C3B-C2B-C1B	-4.38	102.00	107.17
14	G	816	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	A	838	CLA	O2A-CGA-CBA	4.38	125.18	111.83
14	l	205	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	A	810	CLA	C3B-C2B-C1B	-4.38	102.01	107.17
14	A	822	CLA	O2A-CGA-CBA	4.37	125.17	111.83
14	G	811	CLA	O2A-CGA-CBA	4.37	125.17	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	813	CLA	C1D-ND-C4D	-4.37	103.24	106.31
14	G	827	CLA	O2A-C1-C2	4.37	124.93	108.11
14	B	838	CLA	O2A-CGA-CBA	4.37	125.16	111.83
14	A	838	CLA	C1D-ND-C4D	-4.37	103.25	106.31
14	A	811	CLA	O2A-CGA-CBA	4.37	125.15	111.83
14	G	813	CLA	C2B-C1B-NB	4.37	114.85	110.33
14	a	839	CLA	O2A-CGA-CBA	4.37	125.15	111.83
14	a	802	CLA	O2A-CGA-CBA	4.36	125.14	111.83
14	a	814	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	B	820	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	L	206	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	B	817	CLA	C1C-C2C-C3C	-4.36	102.39	106.98
14	H	808	CLA	O2A-CGA-CBA	4.36	125.13	111.83
14	A	804	CLA	O2A-C1-C2	4.36	124.89	108.11
14	B	820	CLA	O2A-CGA-O1A	-4.36	112.72	123.63
14	a	811	CLA	O2A-CGA-CBA	4.36	125.13	111.83
14	A	823	CLA	O2A-CGA-CBA	4.36	125.12	111.83
14	G	829	CLA	C3B-C2B-C1B	-4.36	102.03	107.17
14	a	802	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	H	833	CLA	C1D-ND-C4D	-4.36	103.25	106.31
14	b	840	CLA	O2A-CGA-O1A	-4.36	112.73	123.63
14	A	807	CLA	C1D-ND-C4D	-4.35	103.26	106.31
16	j	1304	BCR	C36-C18-C17	-4.35	115.76	122.82
14	H	826	CLA	CMC-C2C-C1C	4.35	131.84	125.03
14	G	823	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	a	833	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	A	827	CLA	O2A-C1-C2	4.35	124.85	108.11
14	a	823	CLA	O2A-CGA-CBA	4.35	125.10	111.83
17	a	850	LHG	O7-C7-C8	4.35	120.89	111.48
14	A	814	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	a	852	CLA	C2B-C1B-NB	4.35	114.83	110.33
14	H	808	CLA	C2B-C1B-NB	4.35	114.83	110.33
14	B	816	CLA	CMC-C2C-C1C	4.35	131.83	125.03
14	U	201	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	G	823	CLA	O2A-CGA-CBA	4.35	125.08	111.83
14	b	827	CLA	C3D-C2D-C1D	-4.35	99.90	105.83
14	a	808	CLA	O2A-CGA-CBA	4.34	125.08	111.83
16	S	103	BCR	C36-C18-C17	-4.34	115.78	122.82
14	x	1701	CLA	C1D-ND-C4D	-4.34	103.27	106.31
14	H	814	CLA	C4A-NA-C1A	4.34	108.66	106.68
14	a	812	CLA	O2D-CGD-CBD	4.34	118.82	111.23
14	A	825	CLA	C1D-ND-C4D	-4.34	103.27	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	811	CLA	C1D-ND-C4D	-4.34	103.27	106.31
17	G	849	LHG	O7-C7-C8	4.34	120.86	111.48
14	G	811	CLA	C1D-ND-C4D	-4.34	103.27	106.31
14	a	810	CLA	C1D-ND-C4D	-4.34	103.27	106.31
15	G	842	PQN	C14-C13-C15	4.34	122.76	115.23
14	a	825	CLA	C2B-C1B-NB	4.34	114.82	110.33
14	a	822	CLA	O2A-CGA-CBA	4.34	125.06	111.83
14	b	801	CLA	O2A-CGA-CBA	4.33	125.05	111.83
14	A	825	CLA	C2B-C1B-NB	4.33	114.82	110.33
14	H	838	CLA	O2A-CGA-CBA	4.33	125.05	111.83
14	H	840	CLA	C1D-ND-C4D	-4.33	103.27	106.31
14	b	819	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
14	B	803	CLA	C4A-NA-C1A	4.33	108.66	106.68
14	Q	202	CLA	C1D-ND-C4D	-4.33	103.27	106.31
14	B	808	CLA	C2B-C1B-NB	4.33	114.82	110.33
14	b	809	CLA	C2D-C1D-ND	4.33	114.41	110.13
14	A	830	CLA	O2A-CGA-CBA	4.33	125.03	111.83
14	B	816	CLA	C3D-C2D-C1D	-4.33	99.93	105.83
14	a	828	CLA	O2A-CGA-CBA	4.33	125.02	111.83
14	b	817	CLA	C1D-ND-C4D	-4.32	103.28	106.31
14	b	836	CLA	O2A-CGA-CBA	4.32	125.02	111.83
14	H	824	CLA	C1D-ND-C4D	-4.32	103.28	106.31
14	G	826	CLA	C4A-NA-C1A	4.32	108.65	106.68
14	A	802	CLA	C1D-ND-C4D	-4.32	103.28	106.31
14	B	817	CLA	C1D-ND-C4D	-4.32	103.28	106.31
14	b	805	CLA	O2A-CGA-CBA	4.32	125.01	111.83
14	A	808	CLA	O2A-CGA-CBA	4.32	125.01	111.83
16	G	843	BCR	C24-C23-C22	-4.32	119.84	126.23
14	B	842	CLA	O2A-CGA-O1A	-4.32	112.83	123.63
14	H	802	CLA	O2A-CGA-O1A	-4.32	112.83	123.63
14	G	808	CLA	O2A-CGA-CBA	4.32	124.99	111.83
14	B	808	CLA	O2A-CGA-CBA	4.31	124.99	111.83
14	a	821	CLA	C1D-ND-C4D	-4.31	103.29	106.31
16	b	842	BCR	C24-C23-C22	-4.31	119.86	126.23
14	B	801	CLA	C1C-C2C-C3C	-4.31	102.44	106.98
16	j	1305	BCR	C3-C4-C5	-4.31	106.37	114.06
14	B	804	CLA	O2D-CGD-CBD	4.31	118.76	111.23
14	G	824	CLA	C1D-ND-C4D	-4.31	103.29	106.31
14	B	827	CLA	C2B-C1B-NB	4.31	114.79	110.33
14	a	830	CLA	O2A-CGA-CBA	4.31	124.97	111.83
14	G	830	CLA	O2A-CGA-CBA	4.31	124.97	111.83
14	G	840	CLA	C3B-C2B-C1B	-4.31	102.09	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	828	CLA	C1D-ND-C4D	-4.31	103.29	106.31
14	a	841	CLA	C3B-C2B-C1B	-4.30	102.09	107.17
14	G	807	CLA	C1D-ND-C4D	-4.30	103.29	106.31
14	G	814	CLA	C1D-ND-C4D	-4.30	103.29	106.31
14	G	838	CLA	C1D-ND-C4D	-4.30	103.30	106.31
14	G	851	CLA	O2D-CGD-CBD	4.30	118.75	111.23
14	T	101	CLA	C1D-ND-C4D	-4.30	103.30	106.31
14	a	805	CLA	C4A-NA-C1A	4.30	108.64	106.68
14	B	841	CLA	C1D-ND-C4D	-4.30	103.30	106.31
14	H	803	CLA	C2B-C1B-NB	4.30	114.78	110.33
14	b	802	CLA	C2B-C1B-NB	4.30	114.78	110.33
14	H	839	CLA	C2B-C1B-NB	4.29	114.78	110.33
14	H	825	CLA	CAA-C2A-C3A	-4.29	101.40	113.00
14	H	826	CLA	C1C-C2C-C3C	-4.29	102.47	106.98
14	G	822	CLA	O2A-CGA-CBA	4.29	124.91	111.83
14	a	839	CLA	C2D-C1D-ND	4.29	114.37	110.13
14	R	101	CLA	C1D-ND-C4D	-4.29	103.30	106.31
14	A	852	CLA	C2B-C1B-NB	4.29	114.77	110.33
14	G	825	CLA	C2B-C1B-NB	4.29	114.77	110.33
16	a	845	BCR	C19-C18-C17	4.29	125.75	119.01
14	G	833	CLA	C1D-ND-C4D	-4.29	103.31	106.31
14	H	842	CLA	O2A-CGA-O1A	-4.29	112.91	123.63
14	G	825	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	H	819	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	A	828	CLA	O2A-CGA-CBA	4.28	124.89	111.83
14	A	839	CLA	C1D-ND-C4D	-4.28	103.31	106.31
16	S	104	BCR	C3-C4-C5	-4.28	106.43	114.06
14	b	830	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	B	821	CLA	C1C-C2C-C3C	-4.28	102.48	106.98
14	A	833	CLA	C2B-C1B-NB	4.27	114.76	110.33
14	a	803	CLA	C2B-C1B-NB	4.27	114.76	110.33
14	Q	201	CLA	C2B-C1B-NB	4.27	114.76	110.33
14	a	807	CLA	C1D-ND-C4D	-4.27	103.32	106.31
14	l	205	CLA	C2B-C1B-NB	4.27	114.75	110.33
16	G	846	BCR	C24-C23-C22	-4.27	119.92	126.23
14	B	823	CLA	C2B-C1B-NB	4.27	114.75	110.33
16	a	848	BCR	C34-C9-C10	-4.26	115.91	122.82
13	a	801	CL0	CAA-C2A-C3A	-4.26	101.48	113.00
14	b	805	CLA	C2B-C1B-NB	4.26	114.75	110.33
16	A	847	BCR	C24-C23-C22	-4.26	119.93	126.23
14	H	828	CLA	C1D-ND-C4D	-4.26	103.32	106.31
14	b	815	CLA	C1D-ND-C4D	-4.25	103.33	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	828	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
14	b	824	CLA	C1D-ND-C4D	-4.25	103.33	106.31
14	B	802	CLA	O2A-CGA-O1A	-4.25	113.00	123.63
14	a	824	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
14	b	802	CLA	O2A-CGA-O1A	-4.25	113.00	123.63
14	b	840	CLA	C1D-ND-C4D	-4.25	103.33	106.31
14	H	820	CLA	C1D-ND-C4D	-4.24	103.33	106.31
14	k	101	CLA	C1D-ND-C4D	-4.24	103.33	106.31
14	A	817	CLA	C4A-NA-C1A	4.24	108.61	106.68
14	B	801	CLA	CMB-C2B-C3B	4.24	136.53	126.55
14	B	814	CLA	C2B-C1B-NB	4.24	114.72	110.33
14	H	805	CLA	C1D-ND-C4D	-4.24	103.34	106.31
14	G	805	CLA	C4A-NA-C1A	4.24	108.61	106.68
14	H	804	CLA	O2D-CGD-CBD	4.24	118.64	111.23
14	b	822	CLA	C4A-NA-C1A	4.24	108.61	106.68
14	B	822	CLA	C1D-ND-C4D	-4.24	103.34	106.31
14	G	817	CLA	C2D-C1D-ND	4.24	114.32	110.13
14	B	842	CLA	C3B-C2B-C1B	-4.23	102.18	107.17
14	B	803	CLA	C2B-C1B-NB	4.23	114.72	110.33
14	H	806	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	H	829	CLA	C2B-C1B-NB	4.23	114.72	110.33
14	b	811	CLA	C2B-C1B-NB	4.23	114.71	110.33
14	B	808	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	J	1302	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	H	801	CLA	C3D-C2D-C1D	-4.23	100.06	105.83
14	G	802	CLA	C1D-ND-C4D	-4.23	103.35	106.31
16	a	847	BCR	C24-C23-C22	-4.23	119.98	126.23
14	a	841	CLA	O2A-CGA-CBA	4.23	124.72	111.83
14	A	804	CLA	CAA-C2A-C3A	-4.22	101.59	113.00
14	a	817	CLA	C2B-C1B-NB	4.22	114.70	110.33
16	B	848	BCR	C40-C30-C25	-4.22	103.62	110.24
14	A	810	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	J	1303	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	U	207	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	B	801	CLA	CMD-C2D-C1D	4.22	132.15	124.73
14	H	815	CLA	C4A-NA-C1A	4.22	108.60	106.68
14	A	805	CLA	CAA-C2A-C3A	-4.21	101.61	113.00
14	Q	201	CLA	C1D-ND-C4D	-4.21	103.36	106.31
16	A	849	BCR	C38-C26-C25	-4.21	119.89	124.48
14	a	833	CLA	C2B-C1B-NB	4.21	114.69	110.33
14	B	821	CLA	C3B-C2B-C1B	-4.21	102.21	107.17
14	A	837	CLA	C1D-ND-C4D	-4.21	103.36	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	834	CLA	O2A-CGA-CBA	4.21	124.66	111.83
14	a	853	CLA	CMD-C2D-C1D	4.20	132.13	124.73
14	H	801	CLA	C1D-ND-C4D	-4.20	103.36	106.31
14	A	817	CLA	C2B-C1B-NB	4.20	114.69	110.33
14	B	816	CLA	CAC-C3C-C4C	4.20	130.26	124.79
14	b	839	CLA	C1D-ND-C4D	-4.20	103.36	106.31
14	H	802	CLA	C1D-ND-C4D	-4.20	103.37	106.31
14	B	816	CLA	O2A-CGA-CBA	4.20	124.63	111.83
14	A	830	CLA	C1D-ND-C4D	-4.20	103.37	106.31
14	A	823	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	A	824	CLA	C4A-NA-C1A	4.19	108.59	106.68
14	G	804	CLA	CAA-C2A-C3A	-4.19	101.67	113.00
14	G	821	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	a	824	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	H	802	CLA	C2B-C1B-NB	4.19	114.67	110.33
14	b	803	CLA	C2B-C1B-NB	4.19	114.67	110.33
16	G	848	BCR	C7-C8-C9	-4.19	120.04	126.23
14	G	805	CLA	CAA-C2A-C3A	-4.19	101.68	113.00
14	a	853	CLA	C2B-C1B-NB	4.19	114.67	110.33
14	a	836	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	U	207	CLA	C2B-C1B-NB	4.19	114.67	110.33
14	B	824	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	H	827	CLA	C3D-C2D-C1D	-4.19	100.12	105.83
14	B	833	CLA	C1D-ND-C4D	-4.19	103.38	106.31
14	A	815	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	B	838	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	B	830	CLA	O2A-C1-C2	4.18	124.21	108.11
14	G	808	CLA	C2B-C1B-NB	4.18	114.66	110.33
14	A	840	CLA	O2A-CGA-CBA	4.18	124.59	111.83
14	a	808	CLA	C2B-C1B-NB	4.18	114.66	110.33
14	a	804	CLA	CAA-C2A-C3A	-4.18	101.70	113.00
14	b	814	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	G	837	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	B	834	CLA	C2B-C1B-NB	4.18	114.66	110.33
14	A	816	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	A	828	CLA	C1D-ND-C4D	-4.18	103.38	106.31
14	G	840	CLA	O2A-CGA-CBA	4.18	124.57	111.83
16	H	852	BCR	C19-C18-C17	4.18	125.58	119.01
14	b	832	CLA	O2A-CGA-CBA	4.18	124.56	111.83
14	H	826	CLA	C2B-C1B-NB	4.17	114.65	110.33
14	H	830	CLA	O2A-C1-C2	4.17	124.16	108.11
14	a	825	CLA	C1D-ND-C4D	-4.17	103.39	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	841	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	G	810	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	b	836	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	b	832	CLA	C2B-C1B-NB	4.17	114.65	110.33
14	H	812	CLA	O2A-CGA-CBA	4.17	124.55	111.83
14	A	805	CLA	C4A-NA-C1A	4.17	108.58	106.68
14	H	834	CLA	C2B-C1B-NB	4.17	114.65	110.33
14	H	817	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	S	102	CLA	C1D-ND-C4D	-4.17	103.39	106.31
14	A	818	CLA	O2A-CGA-O1A	-4.16	113.21	123.63
14	G	828	CLA	C1D-ND-C4D	-4.16	103.39	106.31
14	B	826	CLA	CMC-C2C-C1C	4.16	131.54	125.03
14	B	806	CLA	C3D-C2D-C1D	-4.16	100.15	105.83
14	L	206	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	a	810	CLA	C3B-C2B-C1B	-4.16	102.27	107.17
16	b	848	BCR	C3-C4-C5	-4.16	106.64	114.06
14	A	816	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	A	808	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	B	821	CLA	C1D-ND-C4D	-4.16	103.40	106.31
14	B	819	CLA	C1D-ND-C4D	-4.15	103.40	106.31
14	a	837	CLA	C1D-ND-C4D	-4.15	103.40	106.31
14	B	815	CLA	C1C-C2C-C3C	-4.15	102.61	106.98
14	a	819	CLA	C2D-C1D-ND	4.15	114.24	110.13
13	A	801	CL0	CAA-C2A-C3A	-4.15	101.78	113.00
14	B	807	CLA	O2A-CGA-CBA	4.15	124.49	111.83
14	a	805	CLA	CAA-C2A-C3A	-4.15	101.79	113.00
14	A	825	CLA	O2A-CGA-CBA	4.15	124.49	111.83
14	B	812	CLA	O2A-CGA-CBA	4.15	124.49	111.83
14	j	1303	CLA	C1D-ND-C4D	-4.15	103.40	106.31
14	a	810	CLA	O2A-CGA-CBA	4.14	124.47	111.83
14	G	828	CLA	O2A-CGA-CBA	4.14	124.47	111.83
14	b	825	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	B	835	CLA	C2B-C1B-NB	4.14	114.62	110.33
14	b	816	CLA	O2A-CGA-CBA	4.14	124.46	111.83
14	b	827	CLA	O2A-C1-C2	4.14	124.05	108.11
14	b	809	CLA	O2A-C1-C2	4.14	124.05	108.11
14	H	816	CLA	O2A-CGA-CBA	4.14	124.46	111.83
14	H	826	CLA	CGD-CBD-CAD	-4.14	97.44	110.85
14	H	808	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	A	836	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	b	813	CLA	O2A-CGA-CBA	4.14	124.44	111.83
13	G	801	CL0	CAA-C2A-C3A	-4.13	101.83	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	a	801	CL0	O2A-CGA-CBA	4.13	124.43	111.83
14	b	837	CLA	C2B-C1B-NB	4.13	114.61	110.33
14	H	802	CLA	C4A-NA-C1A	4.13	108.56	106.68
14	G	826	CLA	C4D-C3D-CAD	4.13	112.59	108.11
16	b	843	BCR	C33-C5-C6	-4.13	119.98	124.48
14	b	832	CLA	C1D-ND-C4D	-4.12	103.42	106.31
14	m	1202	CLA	C1D-ND-C4D	-4.12	103.42	106.31
14	H	821	CLA	C1C-C2C-C3C	-4.12	102.64	106.98
14	B	839	CLA	C2B-C1B-NB	4.12	114.60	110.33
14	b	809	CLA	O2A-CGA-CBA	4.12	124.41	111.83
14	B	834	CLA	O2A-CGA-CBA	4.12	124.40	111.83
14	G	826	CLA	C2D-C1D-ND	4.12	114.20	110.13
14	H	812	CLA	O2A-C1-C2	4.12	123.96	108.11
14	G	838	CLA	C3B-C2B-C1B	-4.12	102.31	107.17
14	G	833	CLA	C2B-C1B-NB	4.12	114.60	110.33
16	b	850	BCR	C24-C23-C22	-4.12	120.14	126.23
14	B	812	CLA	O2A-C1-C2	4.12	123.96	108.11
14	a	828	CLA	C1D-ND-C4D	-4.12	103.42	106.31
16	B	852	BCR	C3-C4-C5	-4.12	106.71	114.06
14	B	818	CLA	C1D-ND-C4D	-4.12	103.42	106.31
14	H	820	CLA	O2A-CGA-CBA	4.12	124.39	111.83
13	G	801	CL0	O2A-CGA-CBA	4.12	124.38	111.83
14	a	815	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	k	102	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	b	804	CLA	C1D-ND-C4D	-4.11	103.43	106.31
16	a	849	BCR	C3-C4-C5	-4.11	106.73	114.06
14	A	819	CLA	C2D-C1D-ND	4.11	114.19	110.13
14	b	802	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	G	836	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	G	816	CLA	C2B-C1B-NB	4.11	114.58	110.33
14	A	842	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	G	819	CLA	C2B-C1B-NB	4.10	114.58	110.33
16	B	845	BCR	C33-C5-C6	-4.10	120.01	124.48
16	H	845	BCR	C33-C5-C6	-4.10	120.01	124.48
14	b	839	CLA	C2D-C1D-ND	4.10	114.19	110.13
14	H	817	CLA	C1C-C2C-C3C	-4.10	102.67	106.98
13	A	801	CL0	O2A-CGA-CBA	4.10	124.33	111.83
14	a	825	CLA	O2A-CGA-CBA	4.10	124.33	111.83
14	G	825	CLA	O2A-CGA-CBA	4.10	124.32	111.83
14	A	832	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	A	817	CLA	O2D-CGD-O1D	-4.09	115.88	123.85
14	a	842	CLA	C2B-C1B-NB	4.09	114.57	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	820	CLA	C2B-C1B-NB	4.09	114.57	110.33
14	H	818	CLA	C2B-C1B-NB	4.09	114.57	110.33
14	b	813	CLA	C2B-C1B-NB	4.09	114.57	110.33
14	L	204	CLA	C2B-C1B-NB	4.09	114.57	110.33
14	A	810	CLA	O2A-CGA-CBA	4.09	124.31	111.83
14	G	839	CLA	O2A-C1-C2	4.09	123.85	108.11
14	H	842	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	H	819	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
14	a	808	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	L	205	CLA	CHD-C1D-ND	-4.09	119.05	124.80
14	b	833	CLA	O2D-CGD-CBD	4.09	118.37	111.23
14	M	1601	CLA	C1D-ND-C4D	-4.09	103.44	106.31
14	V	1601	CLA	C1D-ND-C4D	-4.08	103.45	106.31
17	a	851	LHG	O7-C7-C8	4.08	120.31	111.48
14	a	840	CLA	O2A-C1-C2	4.08	123.82	108.11
14	F	201	CLA	C2B-C1B-NB	4.08	114.56	110.33
14	a	803	CLA	C1D-ND-C4D	-4.08	103.45	106.31
14	G	831	CLA	C2B-C1B-NB	4.08	114.55	110.33
14	B	804	CLA	O2A-CGA-CBA	4.07	124.25	111.83
17	A	851	LHG	O7-C7-C8	4.07	120.29	111.48
14	G	817	CLA	CMB-C2B-C3B	4.07	136.13	126.55
14	B	828	CLA	O2A-CGA-CBA	4.07	124.25	111.83
14	m	1201	CLA	O2A-CGA-CBA	4.07	124.25	111.83
14	a	853	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
14	H	835	CLA	C2B-C1B-NB	4.07	114.55	110.33
14	b	825	CLA	O2A-CGA-CBA	4.07	124.25	111.83
14	A	812	CLA	CAC-C3C-C4C	-4.07	119.49	124.79
14	a	853	CLA	O2A-C1-C2	4.07	123.77	108.11
14	b	830	CLA	C2B-C1B-NB	4.07	114.54	110.33
14	B	804	CLA	C1D-ND-C4D	-4.07	103.46	106.31
14	H	835	CLA	O2D-CGD-CBD	4.06	118.34	111.23
14	H	807	CLA	O2A-CGA-CBA	4.06	124.22	111.83
14	b	828	CLA	C2B-C1B-NB	4.06	114.54	110.33
14	A	808	CLA	C1D-ND-C4D	-4.06	103.46	106.31
14	A	831	CLA	C2B-C1B-NB	4.06	114.54	110.33
16	B	848	BCR	C24-C23-C22	-4.06	120.23	126.23
16	H	852	BCR	C3-C4-C5	-4.06	106.82	114.06
14	b	801	CLA	O2A-C1-C2	4.06	123.72	108.11
14	H	828	CLA	O2A-CGA-CBA	4.06	124.20	111.83
14	B	826	CLA	C1D-ND-C4D	-4.05	103.47	106.31
14	H	826	CLA	CHA-C1A-NA	-4.05	117.21	126.39
14	B	830	CLA	C2D-C1D-ND	4.05	114.14	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	826	CLA	O2A-C1-C2	4.05	123.70	108.11
14	l	204	CLA	CHD-C1D-ND	-4.05	119.10	124.80
14	B	816	CLA	C4D-C3D-CAD	4.05	112.50	108.11
14	K	1401	CLA	C1D-ND-C4D	-4.05	103.47	106.31
14	G	841	CLA	C2B-C1B-NB	4.05	114.53	110.33
14	b	828	CLA	CMD-C2D-C3D	-4.05	118.41	127.69
16	G	848	BCR	C38-C26-C25	-4.05	120.07	124.48
16	I	101	BCR	C7-C8-C9	-4.04	120.25	126.23
14	a	815	CLA	C2B-C1B-NB	4.04	114.52	110.33
14	H	804	CLA	O2A-CGA-CBA	4.04	124.14	111.83
16	a	845	BCR	C38-C26-C25	-4.04	120.08	124.48
14	B	816	CLA	CMD-C2D-C3D	-4.04	118.43	127.69
14	H	834	CLA	C1D-ND-C4D	-4.04	103.48	106.31
14	a	812	CLA	O2A-CGA-CBA	4.04	124.14	111.83
14	b	802	CLA	C4A-NA-C1A	4.04	108.52	106.68
14	a	838	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	b	822	CLA	C2B-C1B-NB	4.03	114.51	110.33
14	B	833	CLA	C2B-C1B-NB	4.03	114.51	110.33
14	G	812	CLA	O2A-CGA-CBA	4.03	124.13	111.83
14	G	832	CLA	C2B-C1B-NB	4.03	114.51	110.33
14	B	834	CLA	C1D-ND-C4D	-4.03	103.48	106.31
14	G	832	CLA	O2A-CGA-CBA	4.03	124.12	111.83
14	A	833	CLA	C1D-ND-C4D	-4.03	103.48	106.31
13	G	801	CL0	C1D-ND-C4D	-4.03	103.49	106.31
14	G	832	CLA	O2A-C1-C2	4.03	123.60	108.11
14	S	101	CLA	C2B-C1B-NB	4.02	114.50	110.33
14	H	831	CLA	CAC-C3C-C4C	4.02	130.03	124.79
14	a	829	CLA	C3B-C2B-C1B	-4.02	102.43	107.17
17	G	850	LHG	O7-C7-C8	4.02	120.18	111.48
14	U	206	CLA	CHD-C1D-ND	-4.02	119.14	124.80
14	A	812	CLA	O2A-CGA-CBA	4.02	124.09	111.83
14	G	851	CLA	O2A-C1-C2	4.02	123.58	108.11
14	b	817	CLA	O2A-CGA-O1A	-4.02	113.58	123.63
14	G	823	CLA	O2A-C1-C2	4.02	123.56	108.11
14	b	826	CLA	C1D-ND-C4D	-4.02	103.49	106.31
14	A	839	CLA	O2A-C1-C2	4.01	123.55	108.11
14	a	838	CLA	O2A-CGA-CBA	4.01	124.06	111.83
16	A	845	BCR	C19-C18-C17	4.01	125.32	119.01
14	G	832	CLA	C1D-ND-C4D	-4.01	103.50	106.31
14	B	801	CLA	C3D-C2D-C1D	-4.01	100.36	105.83
14	b	833	CLA	C2B-C1B-NB	4.01	114.48	110.33
14	a	818	CLA	O2A-CGA-O1A	-4.00	113.61	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	102	CLA	C1D-ND-C4D	-4.00	103.50	106.31
14	A	823	CLA	O2A-C1-C2	4.00	123.52	108.11
14	a	823	CLA	O2A-C1-C2	4.00	123.52	108.11
14	a	832	CLA	O2A-CGA-CBA	4.00	124.03	111.83
14	B	842	CLA	C1D-ND-C4D	-4.00	103.50	106.31
14	j	1302	CLA	C2B-C1B-NB	4.00	114.47	110.33
14	A	839	CLA	C4-C3-C5	4.00	122.17	115.23
14	a	831	CLA	C2B-C1B-NB	4.00	114.47	110.33
14	G	807	CLA	C2B-C1B-NB	4.00	114.47	110.33
14	B	818	CLA	C2B-C1B-NB	3.99	114.47	110.33
14	G	824	CLA	O2A-CGA-CBA	3.99	124.00	111.83
16	b	850	BCR	C19-C18-C17	3.99	125.28	119.01
14	a	819	CLA	C1D-ND-C4D	-3.99	103.51	106.31
14	H	837	CLA	C1D-ND-C4D	-3.99	103.51	106.31
14	H	802	CLA	O2A-CGA-CBA	3.99	124.00	111.83
14	a	839	CLA	CAC-C3C-C4C	3.99	129.98	124.79
14	G	817	CLA	O2A-CGA-CBA	3.99	123.99	111.83
16	H	852	BCR	C40-C30-C25	-3.99	103.99	110.24
14	H	804	CLA	C1D-ND-C4D	-3.98	103.52	106.31
14	a	817	CLA	C4A-NA-C1A	3.98	108.50	106.68
16	A	845	BCR	C38-C26-C25	-3.98	120.14	124.48
14	a	819	CLA	C2B-C1B-NB	3.98	114.46	110.33
14	a	840	CLA	C4-C3-C5	3.98	122.14	115.23
16	A	848	BCR	C34-C9-C10	-3.98	116.36	122.82
14	H	842	CLA	O2A-C1-C2	3.98	123.43	108.11
14	B	831	CLA	C2B-C1B-NB	3.98	114.45	110.33
14	B	806	CLA	O2A-C1-C2	3.98	123.42	108.11
14	H	826	CLA	O2A-C1-C2	3.98	123.42	108.11
14	B	819	CLA	O2A-CGA-CBA	3.98	123.96	111.83
14	G	840	CLA	C1D-ND-C4D	-3.98	103.52	106.31
14	B	831	CLA	C1D-ND-C4D	-3.98	103.52	106.31
14	a	826	CLA	O2A-CGA-CBA	3.98	123.96	111.83
14	a	818	CLA	C2B-C1B-NB	3.98	114.45	110.33
14	l	203	CLA	C2B-C1B-NB	3.97	114.45	110.33
14	H	833	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	B	809	CLA	O2A-C1-C2	3.97	123.39	108.11
16	M	1602	BCR	C33-C5-C6	-3.97	120.15	124.48
14	A	829	CLA	O2A-CGA-CBA	3.97	123.94	111.83
16	V	1602	BCR	C33-C5-C6	-3.97	120.15	124.48
14	A	818	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	H	814	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	B	816	CLA	C2D-C1D-ND	3.97	114.05	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	205	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	b	803	CLA	O2A-C1-C2	3.97	123.37	108.11
14	H	808	CLA	C2C-C1C-NC	3.96	114.14	109.98
14	H	806	CLA	O2A-CGA-CBA	3.96	123.92	111.83
14	b	816	CLA	O2A-C1-C2	3.96	123.35	108.11
14	G	839	CLA	C4-C3-C5	3.96	122.10	115.23
14	b	818	CLA	C2B-C1B-NB	3.96	114.43	110.33
14	A	807	CLA	C2B-C1B-NB	3.96	114.43	110.33
14	a	824	CLA	O2A-CGA-CBA	3.96	123.90	111.83
14	B	823	CLA	C1D-ND-C4D	-3.96	103.53	106.31
14	G	829	CLA	O2A-CGA-CBA	3.96	123.90	111.83
14	A	819	CLA	C2B-C1B-NB	3.95	114.43	110.33
14	G	835	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	b	812	CLA	C1C-C2C-C3C	-3.95	102.82	106.98
14	H	832	CLA	C2D-C1D-ND	3.95	114.04	110.13
14	b	801	CLA	CHD-C1D-ND	-3.95	119.24	124.80
14	a	832	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	B	806	CLA	C2B-C1B-NB	3.95	114.42	110.33
14	A	824	CLA	O2A-CGA-CBA	3.95	123.87	111.83
14	B	805	CLA	O2A-CGA-CBA	3.95	123.87	111.83
14	l	204	CLA	C2B-C1B-NB	3.95	114.42	110.33
14	G	810	CLA	O2A-CGA-CBA	3.95	123.87	111.83
14	A	832	CLA	O2A-CGA-CBA	3.95	123.87	111.83
14	b	823	CLA	O2A-C1-C2	3.95	123.29	108.11
14	A	835	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	H	823	CLA	C1D-ND-C4D	-3.95	103.54	106.31
14	b	826	CLA	C2B-C1B-NB	3.94	114.42	110.33
14	B	839	CLA	O2A-CGA-CBA	3.94	123.86	111.83
14	A	812	CLA	CAC-C3C-C2C	3.94	134.81	127.56
14	A	812	CLA	C2B-C1B-NB	3.94	114.42	110.33
14	H	823	CLA	C2B-C1B-NB	3.94	114.41	110.33
14	j	1302	CLA	C1D-ND-C4D	-3.94	103.55	106.31
14	a	816	CLA	C2B-C1B-NB	3.94	114.41	110.33
14	A	826	CLA	O2A-CGA-CBA	3.94	123.85	111.83
14	b	839	CLA	C4D-C3D-CAD	3.94	112.39	108.11
14	G	818	CLA	O2A-CGA-O1A	-3.94	113.78	123.63
14	b	837	CLA	O2A-CGA-CBA	3.94	123.84	111.83
14	A	840	CLA	C1D-ND-C4D	-3.94	103.55	106.31
14	H	836	CLA	C1D-ND-C4D	-3.94	103.55	106.31
14	T	102	CLA	C2B-C1B-NB	3.94	114.41	110.33
14	B	802	CLA	C2B-C1B-NB	3.93	114.40	110.33
14	G	826	CLA	O2A-CGA-CBA	3.93	123.82	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	811	CLA	C2B-C1B-NB	3.93	114.40	110.33
14	B	836	CLA	C1D-ND-C4D	-3.93	103.55	106.31
14	A	832	CLA	C2B-C1B-NB	3.93	114.40	110.33
16	J	1305	BCR	C3-C4-C5	-3.93	107.05	114.06
14	J	1301	CLA	C1D-ND-C4D	-3.93	103.56	106.31
13	a	801	CL0	C1D-ND-C4D	-3.93	103.56	106.31
14	a	827	CLA	C1D-ND-C4D	-3.93	103.56	106.31
16	G	844	BCR	C38-C26-C25	-3.93	120.20	124.48
14	a	820	CLA	C2B-C1B-NB	3.93	114.40	110.33
14	b	835	CLA	C1D-ND-C4D	-3.92	103.56	106.31
14	G	819	CLA	C2D-C1D-ND	3.92	114.01	110.13
14	S	101	CLA	C1D-ND-C4D	-3.92	103.56	106.31
14	a	812	CLA	C2B-C1B-NB	3.92	114.39	110.33
14	B	830	CLA	O2A-CGA-CBA	3.92	123.78	111.83
14	b	802	CLA	O2A-CGA-CBA	3.92	123.78	111.83
14	A	811	CLA	C2B-C1B-NB	3.92	114.39	110.33
14	A	834	CLA	C2B-C1B-NB	3.92	114.39	110.33
14	b	806	CLA	O2A-C1-C2	3.91	123.17	108.11
14	H	807	CLA	O2A-C1-C2	3.91	123.17	108.11
14	H	839	CLA	O2A-CGA-CBA	3.91	123.77	111.83
14	G	804	CLA	C2B-C1B-NB	3.91	114.38	110.33
16	j	1305	BCR	C24-C23-C22	-3.91	120.45	126.23
14	b	825	CLA	C2B-C1B-NB	3.91	114.38	110.33
14	L	204	CLA	O2A-CGA-CBA	3.91	123.75	111.83
14	a	807	CLA	C2B-C1B-NB	3.91	114.38	110.33
14	B	825	CLA	CAA-C2A-C3A	-3.91	102.44	113.00
14	H	816	CLA	CAC-C3C-C4C	3.91	129.88	124.79
14	b	834	CLA	C1D-ND-C4D	-3.91	103.57	106.31
14	H	830	CLA	O2A-CGA-CBA	3.91	123.75	111.83
14	A	815	CLA	C2B-C1B-NB	3.91	114.38	110.33
14	K	1401	CLA	C2B-C1B-NB	3.91	114.38	110.33
14	A	804	CLA	C2B-C1B-NB	3.91	114.38	110.33
14	G	802	CLA	C2B-C1B-NB	3.90	114.37	110.33
16	m	1203	BCR	C33-C5-C6	-3.90	120.22	124.48
14	a	841	CLA	C1D-ND-C4D	-3.90	103.57	106.31
14	B	829	CLA	C2B-C1B-NB	3.90	114.37	110.33
14	H	819	CLA	CMB-C2B-C1B	3.90	131.36	125.42
14	a	834	CLA	C2B-C1B-NB	3.90	114.37	110.33
14	A	818	CLA	O2A-CGA-CBA	3.90	123.72	111.83
14	U	206	CLA	C2B-C1B-NB	3.90	114.37	110.33
15	A	843	PQN	C11-C3-C4	3.90	122.68	118.58
14	B	802	CLA	C1D-ND-C4D	-3.90	103.58	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	816	CLA	C1D-ND-C4D	-3.90	103.58	106.31
14	b	829	CLA	C2D-C1D-ND	3.89	113.98	110.13
14	a	842	CLA	C1D-ND-C4D	-3.89	103.58	106.31
14	A	840	CLA	O2A-C1-C2	3.89	123.08	108.11
14	B	820	CLA	O2A-CGA-CBA	3.89	123.70	111.83
14	a	804	CLA	C2B-C1B-NB	3.89	114.36	110.33
14	b	801	CLA	CMB-C2B-C3B	3.89	135.70	126.55
14	B	812	CLA	C3B-C2B-C1B	-3.89	102.59	107.17
14	b	827	CLA	O2A-CGA-CBA	3.89	123.69	111.83
16	B	848	BCR	C38-C26-C25	-3.89	120.24	124.48
14	a	829	CLA	O2A-CGA-CBA	3.89	123.69	111.83
14	H	811	CLA	O2A-C1-C2	3.89	123.06	108.11
14	F	201	CLA	O2A-C1-C2	3.89	123.06	108.11
14	B	842	CLA	O2A-C1-C2	3.88	123.05	108.11
14	a	835	CLA	C1D-ND-C4D	-3.88	103.59	106.31
16	G	847	BCR	C34-C9-C10	-3.88	116.53	122.82
14	A	820	CLA	C2B-C1B-NB	3.88	114.35	110.33
14	J	1302	CLA	C2B-C1B-NB	3.88	114.35	110.33
14	k	102	CLA	C2B-C1B-NB	3.88	114.35	110.33
16	b	843	BCR	C34-C9-C10	-3.88	116.53	122.82
14	U	205	CLA	O2A-CGA-CBA	3.88	123.66	111.83
14	A	829	CLA	C3B-C2B-C1B	-3.88	102.60	107.17
14	A	810	CLA	CHD-C1D-ND	-3.88	119.35	124.80
14	l	203	CLA	O2A-CGA-CBA	3.88	123.65	111.83
14	A	841	CLA	C2B-C1B-NB	3.87	114.34	110.33
14	a	832	CLA	O2A-C1-C2	3.87	123.01	108.11
14	H	803	CLA	O2A-C1-C2	3.87	123.01	108.11
14	B	811	CLA	O2A-C1-C2	3.87	123.01	108.11
14	a	817	CLA	O2A-CGA-CBA	3.87	123.64	111.83
14	b	820	CLA	C1D-ND-C4D	-3.87	103.60	106.31
16	A	849	BCR	C3-C4-C5	-3.87	107.16	114.06
14	b	808	CLA	CBC-CAC-C3C	-3.87	101.94	112.42
14	H	831	CLA	CHD-C1D-ND	-3.87	119.36	124.80
14	a	808	CLA	O2A-C1-C2	3.87	122.99	108.11
14	G	803	CLA	C1D-ND-C4D	-3.86	103.60	106.31
14	G	841	CLA	C1D-ND-C4D	-3.86	103.60	106.31
16	B	845	BCR	C34-C9-C10	-3.86	116.56	122.82
14	G	820	CLA	C2B-C1B-NB	3.86	114.33	110.33
14	a	841	CLA	O2A-C1-C2	3.86	122.96	108.11
14	H	827	CLA	C4D-C3D-CAD	3.86	112.30	108.11
14	b	803	CLA	C1D-ND-C4D	-3.86	103.61	106.31
14	H	818	CLA	O2A-CGA-CBA	3.86	123.59	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	812	CLA	C2B-C1B-NB	3.86	114.32	110.33
13	A	801	CL0	C4D-C3D-CAD	3.86	112.29	108.11
14	b	815	CLA	O2A-CGA-CBA	3.85	123.59	111.83
14	G	810	CLA	CHD-C1D-ND	-3.85	119.38	124.80
14	B	837	CLA	C1D-ND-C4D	-3.85	103.61	106.31
14	j	1301	CLA	C1D-ND-C4D	-3.85	103.61	106.31
14	H	803	CLA	C1D-ND-C4D	-3.85	103.61	106.31
14	B	818	CLA	O2A-CGA-CBA	3.85	123.57	111.83
14	G	851	CLA	C1D-ND-C4D	-3.85	103.61	106.31
14	B	806	CLA	C1C-C2C-C3C	-3.85	102.93	106.98
14	A	819	CLA	C1D-ND-C4D	-3.85	103.61	106.31
16	i	101	BCR	C7-C8-C9	-3.85	120.55	126.23
14	G	808	CLA	O2A-C1-C2	3.84	122.90	108.11
14	b	812	CLA	CAA-C2A-C3A	-3.84	102.62	113.00
14	B	807	CLA	O2A-C1-C2	3.84	122.89	108.11
14	m	1201	CLA	O2A-C1-C2	3.84	122.89	108.11
14	G	818	CLA	O2A-CGA-CBA	3.84	123.54	111.83
14	G	851	CLA	C2B-C1B-NB	3.84	114.31	110.33
14	A	852	CLA	CAC-C3C-C4C	3.84	129.78	124.79
14	a	811	CLA	C2B-C1B-NB	3.84	114.30	110.33
14	a	831	CLA	C1D-ND-C4D	-3.84	103.62	106.31
16	a	849	BCR	C38-C26-C25	-3.83	120.30	124.48
14	b	815	CLA	O2A-C1-C2	3.83	122.86	108.11
14	A	842	CLA	C1D-ND-C4D	-3.83	103.62	106.31
14	B	803	CLA	O2A-C1-C2	3.83	122.85	108.11
14	b	831	CLA	O2A-C1-C2	3.83	122.85	108.11
14	G	840	CLA	O2A-C1-C2	3.83	122.85	108.11
14	a	835	CLA	C2B-C1B-NB	3.83	114.30	110.33
14	b	840	CLA	O2A-C1-C2	3.83	122.84	108.11
16	R	102	BCR	C7-C8-C9	-3.83	120.57	126.23
14	L	201	CLA	C2B-C1B-NB	3.83	114.30	110.33
16	H	845	BCR	C34-C9-C10	-3.83	116.62	122.82
14	L	205	CLA	C2B-C1B-NB	3.83	114.29	110.33
14	B	826	CLA	C4A-NA-C1A	3.82	108.42	106.68
16	S	104	BCR	C24-C23-C22	-3.82	120.58	126.23
14	A	818	CLA	C1D-ND-C4D	-3.82	103.63	106.31
14	a	818	CLA	C1D-ND-C4D	-3.82	103.63	106.31
14	H	818	CLA	C1D-ND-C4D	-3.82	103.63	106.31
14	b	808	CLA	O2A-C1-C2	3.82	122.81	108.11
14	b	836	CLA	O2A-C1-C2	3.82	122.80	108.11
14	H	831	CLA	C2D-C1D-ND	3.82	113.91	110.13
14	a	815	CLA	CHD-C1D-ND	-3.82	119.43	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	844	BCR	C19-C18-C17	3.82	125.01	119.01
14	A	838	CLA	C2B-C1B-NB	3.82	114.28	110.33
14	G	818	CLA	C1D-ND-C4D	-3.82	103.64	106.31
14	B	815	CLA	CAA-C2A-C3A	-3.82	102.69	113.00
14	H	830	CLA	C2D-C1D-ND	3.82	113.90	110.13
14	a	839	CLA	C3B-C2B-C1B	-3.82	102.67	107.17
16	G	844	BCR	C3-C4-C5	-3.81	107.25	114.06
14	A	808	CLA	O2A-C1-C2	3.81	122.78	108.11
14	b	815	CLA	C2B-C1B-NB	3.81	114.28	110.33
14	H	809	CLA	C2B-C1B-NB	3.81	114.28	110.33
14	b	831	CLA	O2A-CGA-O1A	-3.81	114.10	123.63
14	B	831	CLA	C2D-C1D-ND	3.81	113.89	110.13
14	B	817	CLA	C2B-C1B-NB	3.81	114.27	110.33
14	G	838	CLA	C2B-C1B-NB	3.81	114.27	110.33
14	b	804	CLA	O2A-CGA-CBA	3.80	123.44	111.83
14	B	801	CLA	O2A-C1-C2	3.80	122.75	108.11
14	G	827	CLA	C1D-ND-C4D	-3.80	103.64	106.31
14	G	834	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	H	815	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
14	H	809	CLA	O2A-C1-C2	3.80	122.74	108.11
14	a	824	CLA	CMB-C2B-C1B	3.80	131.20	125.42
14	B	828	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	b	806	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	B	806	CLA	C1D-ND-C4D	-3.80	103.65	106.31
14	L	204	CLA	O2A-C1-C2	3.80	122.72	108.11
14	B	818	CLA	O2A-C1-C2	3.80	122.72	108.11
14	B	802	CLA	O2A-CGA-CBA	3.79	123.40	111.83
14	b	801	CLA	C2C-C1C-NC	3.79	113.97	109.98
14	H	815	CLA	CAA-C2A-C3A	-3.79	102.75	113.00
14	G	829	CLA	C2B-C1B-NB	3.79	114.26	110.33
14	X	1701	CLA	C2B-C1B-NB	3.79	114.26	110.33
14	Q	201	CLA	O2A-C1-C2	3.79	122.70	108.11
16	a	846	BCR	C28-C27-C26	-3.79	107.30	114.06
14	H	822	CLA	C4D-C3D-CAD	3.79	112.22	108.11
16	B	852	BCR	C19-C18-C17	3.79	124.97	119.01
14	a	825	CLA	CAA-C2A-C3A	-3.79	102.76	113.00
14	B	835	CLA	O2D-CGD-CBD	3.79	117.85	111.23
16	G	843	BCR	C3-C4-C5	-3.79	107.31	114.06
14	H	831	CLA	C2B-C1B-NB	3.78	114.25	110.33
14	H	818	CLA	O2A-C1-C2	3.78	122.67	108.11
14	A	830	CLA	C2B-C1B-NB	3.78	114.25	110.33
14	H	828	CLA	C2B-C1B-NB	3.78	114.25	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	840	CLA	C2B-C1B-NB	3.78	114.25	110.33
16	V	1602	BCR	C28-C27-C26	-3.78	107.31	114.06
14	a	811	CLA	O2A-C1-C2	3.78	122.66	108.11
16	b	845	BCR	C15-C14-C13	-3.78	121.97	127.28
14	A	802	CLA	C2B-C1B-NB	3.78	114.25	110.33
14	k	101	CLA	C2B-C1B-NB	3.78	114.25	110.33
14	B	816	CLA	CHD-C1D-ND	-3.78	119.48	124.80
14	U	205	CLA	O2A-C1-C2	3.78	122.65	108.11
14	b	812	CLA	C2B-C1B-NB	3.78	114.25	110.33
14	B	802	CLA	O2A-C1-C2	3.78	122.65	108.11
14	T	101	CLA	C2B-C1B-NB	3.78	114.24	110.33
14	R	101	CLA	C2B-C1B-NB	3.78	114.24	110.33
14	b	814	CLA	C2B-C1B-NB	3.78	114.24	110.33
14	B	803	CLA	CHD-C1D-ND	-3.78	119.49	124.80
14	B	810	CLA	CHD-C1D-ND	-3.77	119.49	124.80
14	a	810	CLA	CHD-C1D-ND	-3.77	119.49	124.80
14	A	817	CLA	C1D-ND-C4D	-3.77	103.67	106.31
16	a	844	BCR	C3-C4-C5	-3.77	107.33	114.06
14	B	825	CLA	C2B-C1B-NB	3.77	114.24	110.33
14	G	808	CLA	C1D-ND-C4D	-3.77	103.67	106.31
14	B	803	CLA	C1D-ND-C4D	-3.77	103.67	106.31
14	B	831	CLA	CMD-C2D-C3D	-3.77	119.04	127.69
14	A	814	CLA	C2B-C1B-NB	3.77	114.24	110.33
14	l	203	CLA	O2A-C1-C2	3.77	122.62	108.11
14	A	811	CLA	O2A-C1-C2	3.77	122.61	108.11
16	b	844	BCR	C33-C5-C6	-3.77	120.37	124.48
16	A	845	BCR	C3-C4-C5	-3.77	107.34	114.06
14	A	832	CLA	O2A-C1-C2	3.77	122.60	108.11
14	B	802	CLA	C4A-NA-C1A	3.76	108.40	106.68
16	m	1203	BCR	C28-C27-C26	-3.76	107.35	114.06
14	a	818	CLA	O2A-CGA-CBA	3.76	123.31	111.83
14	A	817	CLA	C1-C2-C3	-3.76	120.68	126.76
14	J	1303	CLA	C2B-C1B-NB	3.76	114.22	110.33
14	b	812	CLA	C4A-NA-C1A	3.76	108.39	106.68
16	H	846	BCR	C33-C5-C6	-3.75	120.39	124.48
14	G	811	CLA	O2A-C1-C2	3.75	122.56	108.11
14	A	842	CLA	O2A-CGA-CBA	3.75	123.28	111.83
14	G	826	CLA	CMD-C2D-C3D	-3.75	119.08	127.69
14	A	807	CLA	O2A-C1-C2	3.75	122.55	108.11
16	G	846	BCR	C3-C4-C5	-3.75	107.36	114.06
14	a	842	CLA	O2A-CGA-CBA	3.75	123.27	111.83
14	b	823	CLA	O2A-CGA-CBA	3.75	123.27	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	837	CLA	C2B-C1B-NB	3.75	114.21	110.33
14	A	820	CLA	CAA-C2A-C3A	-3.75	102.87	113.00
14	A	825	CLA	CAA-C2A-C3A	-3.75	102.87	113.00
14	G	841	CLA	O2A-CGA-CBA	3.75	123.26	111.83
14	H	825	CLA	C2B-C1B-NB	3.75	114.21	110.33
16	A	847	BCR	C3-C4-C5	-3.75	107.37	114.06
16	H	852	BCR	C8-C9-C10	3.75	124.90	119.01
14	U	201	CLA	C2B-C1B-NB	3.75	114.21	110.33
14	W	1701	CLA	C2B-C1B-NB	3.75	114.21	110.33
14	a	806	CLA	O2A-C1-C2	3.74	122.51	108.11
14	B	838	CLA	O2A-C1-C2	3.74	122.51	108.11
14	B	810	CLA	O2A-CGA-CBA	3.74	123.24	111.83
14	H	817	CLA	C2B-C1B-NB	3.74	114.21	110.33
14	x	1701	CLA	C2B-C1B-NB	3.74	114.20	110.33
14	b	827	CLA	C2D-C1D-ND	3.74	113.83	110.13
14	H	839	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	b	807	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	A	817	CLA	O2A-C1-C2	3.74	122.48	108.11
14	a	817	CLA	C1-C2-C3	-3.74	120.72	126.76
14	A	806	CLA	CHD-C1D-ND	-3.73	119.55	124.80
16	b	850	BCR	C4-C5-C6	-3.73	117.66	122.70
14	B	831	CLA	CHD-C1D-ND	-3.73	119.55	124.80
16	B	846	BCR	C33-C5-C6	-3.73	120.41	124.48
14	G	810	CLA	C4D-C3D-CAD	3.73	112.16	108.11
16	G	845	BCR	C24-C23-C22	-3.73	120.72	126.23
14	G	827	CLA	O2A-CGA-O1A	-3.73	114.30	123.63
14	A	831	CLA	C1D-ND-C4D	-3.73	103.70	106.31
14	a	839	CLA	C1D-ND-C4D	-3.73	103.70	106.31
14	a	806	CLA	CHD-C1D-ND	-3.73	119.56	124.80
14	H	837	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	A	827	CLA	C1D-ND-C4D	-3.73	103.70	106.31
14	b	828	CLA	C1D-ND-C4D	-3.73	103.70	106.31
16	l	202	BCR	C3-C4-C5	-3.73	107.41	114.06
14	a	813	CLA	CHD-C1D-ND	-3.73	119.56	124.80
14	H	803	CLA	CHD-C1D-ND	-3.73	119.56	124.80
16	H	850	BCR	C3-C4-C5	-3.72	107.41	114.06
14	G	825	CLA	CAA-C2A-C3A	-3.72	102.94	113.00
14	H	838	CLA	O2A-C1-C2	3.72	122.44	108.11
14	H	827	CLA	O2A-CGA-O1A	-3.72	112.08	123.20
14	b	813	CLA	CHD-C1D-ND	-3.72	119.56	124.80
14	L	201	CLA	O2A-CGA-CBA	3.72	123.19	111.83
16	A	847	BCR	C38-C26-C25	-3.72	120.42	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	848	BCR	C3-C4-C5	-3.72	107.42	114.06
14	a	817	CLA	C1D-ND-C4D	-3.72	103.70	106.31
14	A	831	CLA	O2A-C1-C2	3.72	122.42	108.11
14	R	101	CLA	O2A-CGA-CBA	3.72	123.17	111.83
16	a	847	BCR	C3-C4-C5	-3.72	107.42	114.06
14	G	810	CLA	C2B-C1B-NB	3.72	114.18	110.33
16	A	844	BCR	C3-C4-C5	-3.72	107.43	114.06
14	b	817	CLA	O2A-CGA-CBA	3.71	123.16	111.83
16	a	845	BCR	C3-C4-C5	-3.71	107.43	114.06
14	G	817	CLA	C1-C2-C3	-3.71	120.75	126.76
14	b	824	CLA	O2A-CGA-O1A	-3.71	112.11	123.20
16	J	1305	BCR	C24-C23-C22	-3.71	120.74	126.23
14	A	807	CLA	O2A-CGA-CBA	3.71	123.16	111.83
14	a	816	CLA	O2A-CGA-CBA	3.71	123.15	111.83
14	B	809	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	B	827	CLA	O2A-CGA-O1A	-3.71	112.13	123.20
14	b	809	CLA	C3B-C2B-C1B	-3.71	102.80	107.17
14	a	829	CLA	O2A-C1-C2	3.71	122.37	108.11
14	a	802	CLA	C2B-C1B-NB	3.71	114.17	110.33
16	H	848	BCR	C3-C4-C5	-3.71	107.45	114.06
14	b	819	CLA	C1D-ND-C4D	-3.70	103.71	106.31
14	H	826	CLA	C3C-C4C-NC	3.70	115.17	110.43
14	a	832	CLA	C2B-C1B-NB	3.70	114.17	110.33
16	a	847	BCR	C38-C26-C25	-3.70	120.44	124.48
14	H	801	CLA	O2A-C1-C2	3.70	122.36	108.11
14	A	822	CLA	C2B-C1B-NB	3.70	114.17	110.33
14	a	805	CLA	O2A-C1-C2	3.70	122.35	108.11
14	A	817	CLA	O2A-CGA-CBA	3.70	123.12	111.83
14	A	805	CLA	O2A-C1-C2	3.70	122.35	108.11
14	G	805	CLA	O2A-C1-C2	3.70	122.35	108.11
16	L	209	BCR	C3-C4-C5	-3.70	107.46	114.06
14	H	810	CLA	O2A-CGA-CBA	3.70	123.11	111.83
14	a	814	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	H	812	CLA	C3B-C2B-C1B	-3.70	102.81	107.17
14	B	841	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	a	817	CLA	O2A-C1-C2	3.70	122.33	108.11
14	b	807	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	A	835	CLA	C2B-C1B-NB	3.69	114.16	110.33
16	A	849	BCR	C24-C23-C22	-3.69	120.77	126.23
16	G	846	BCR	C38-C26-C25	-3.69	120.45	124.48
16	b	846	BCR	C3-C4-C5	-3.69	107.47	114.06
14	Q	202	CLA	C2B-C1B-NB	3.69	114.15	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	802	CLA	O2A-C1-C2	3.69	122.31	108.11
14	H	824	CLA	O2A-C1-C2	3.69	122.31	108.11
14	G	806	CLA	O2A-C1-C2	3.69	122.31	108.11
16	l	201	BCR	C7-C8-C9	-3.69	120.78	126.23
14	b	838	CLA	CHD-C1D-ND	-3.69	119.61	124.80
16	M	1602	BCR	C28-C27-C26	-3.69	107.48	114.06
14	A	806	CLA	O2A-C1-C2	3.69	122.30	108.11
14	a	820	CLA	CHD-C1D-ND	-3.68	119.62	124.80
14	G	831	CLA	C1D-ND-C4D	-3.68	103.73	106.31
16	H	846	BCR	C7-C8-C9	-3.68	120.79	126.23
14	G	820	CLA	CHD-C1D-ND	-3.68	119.62	124.80
14	A	803	CLA	C3D-C2D-C1D	-3.68	100.81	105.83
14	G	805	CLA	C2B-C1B-NB	3.68	114.14	110.33
14	A	815	CLA	CHD-C1D-ND	-3.68	119.62	124.80
14	H	807	CLA	CHD-C1D-ND	-3.68	119.62	124.80
14	L	205	CLA	O2A-CGA-CBA	3.68	123.05	111.83
14	G	836	CLA	C2B-C1B-NB	3.68	114.14	110.33
16	B	852	BCR	C38-C26-C25	-3.68	120.47	124.48
14	A	803	CLA	C2D-C1D-ND	3.68	113.76	110.13
14	A	818	CLA	O2A-C1-C2	3.68	122.25	108.11
14	H	810	CLA	CHD-C1D-ND	-3.67	119.63	124.80
14	a	807	CLA	O2A-C1-C2	3.67	122.25	108.11
19	H	851	LMG	O7-C10-C11	3.67	119.43	111.48
14	a	827	CLA	O2A-CGA-O1A	-3.67	114.44	123.63
14	M	1601	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	G	814	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	G	807	CLA	O2A-C1-C2	3.67	122.23	108.11
14	G	818	CLA	C2B-C1B-NB	3.67	114.13	110.33
14	A	852	CLA	C4C-C3C-C2C	-3.67	101.56	106.89
14	H	827	CLA	C1D-ND-C4D	-3.67	103.74	106.31
16	B	849	BCR	C31-C1-C6	-3.67	104.50	110.24
14	A	810	CLA	C4D-C3D-CAD	3.66	112.09	108.11
14	H	812	CLA	CAC-C3C-C4C	3.66	129.56	124.79
14	G	837	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	H	841	CLA	O2A-CGA-CBA	3.66	123.00	111.83
14	A	804	CLA	C1C-C2C-C3C	-3.66	103.13	106.98
14	H	815	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	a	822	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	H	832	CLA	C1D-ND-C4D	-3.66	103.75	106.31
14	b	823	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	b	807	CLA	O2A-CGA-CBA	3.66	122.98	111.83
14	U	206	CLA	O2A-CGA-CBA	3.66	122.98	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	844	BCR	C7-C8-C9	-3.65	120.83	126.23
14	A	823	CLA	C2B-C1B-NB	3.65	114.11	110.33
14	G	838	CLA	O2A-C1-C2	3.65	122.16	108.11
14	a	807	CLA	O2A-CGA-CBA	3.65	122.97	111.83
14	G	819	CLA	O2A-C1-C2	3.65	122.16	108.11
16	U	203	BCR	C3-C4-C5	-3.65	107.54	114.06
14	B	824	CLA	O2A-C1-C2	3.65	122.16	108.11
14	G	817	CLA	CHD-C1D-ND	-3.65	119.66	124.80
14	A	826	CLA	CAC-C3C-C4C	3.65	129.54	124.79
14	a	839	CLA	O2A-C1-C2	3.65	122.16	108.11
14	b	835	CLA	C2B-C1B-NB	3.65	114.11	110.33
14	B	826	CLA	O2A-CGA-CBA	3.65	122.96	111.83
14	a	830	CLA	C2B-C1B-NB	3.65	114.11	110.33
16	B	846	BCR	C7-C8-C9	-3.65	120.84	126.23
14	H	816	CLA	O2A-C1-C2	3.65	122.14	108.11
14	B	840	CLA	CHD-C1D-ND	-3.65	119.67	124.80
16	H	847	BCR	C3-C4-C5	-3.65	107.55	114.06
14	B	816	CLA	O2A-C1-C2	3.64	122.13	108.11
14	b	837	CLA	O2A-C1-C2	3.64	122.13	108.11
14	G	822	CLA	C2B-C1B-NB	3.64	114.10	110.33
14	l	204	CLA	O2A-CGA-CBA	3.64	122.94	111.83
14	U	201	CLA	C1-O2A-CGA	3.64	125.46	116.65
14	H	821	CLA	C2B-C1B-NB	3.64	114.10	110.33
14	A	802	CLA	O2A-C1-C2	3.64	122.11	108.11
14	A	819	CLA	O2A-C1-C2	3.64	122.11	108.11
14	A	837	CLA	C2B-C1B-NB	3.64	114.10	110.33
14	A	841	CLA	CAC-C3C-C4C	3.64	129.53	124.79
14	b	821	CLA	O2A-C1-C2	3.64	122.11	108.11
14	B	832	CLA	C2D-C1D-ND	3.64	113.73	110.13
14	G	825	CLA	O2A-C1-C2	3.64	122.10	108.11
16	L	207	BCR	C19-C18-C17	3.64	124.73	119.01
14	H	802	CLA	CHD-C1D-ND	-3.63	119.69	124.80
14	A	821	CLA	CHD-C1D-ND	-3.63	119.69	124.80
14	A	829	CLA	O2A-C1-C2	3.63	122.09	108.11
14	G	831	CLA	O2A-C1-C2	3.63	122.09	108.11
14	a	852	CLA	C3C-C4C-NC	3.63	115.08	110.43
14	H	821	CLA	O2A-CGA-CBA	3.63	122.91	111.83
14	G	806	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	H	805	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	G	816	CLA	O2A-CGA-CBA	3.63	122.90	111.83
16	a	846	BCR	C24-C23-C22	-3.63	120.86	126.23
14	U	201	CLA	O2A-CGA-CBA	3.63	122.90	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	811	CLA	CHD-C1D-ND	-3.63	119.70	124.80
14	b	803	CLA	CHD-C1D-ND	-3.63	119.70	124.80
14	G	835	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	G	822	CLA	CHD-C1D-ND	-3.62	119.70	124.80
14	G	809	CLA	C2B-C1B-NB	3.62	114.08	110.33
14	A	825	CLA	O2A-C1-C2	3.62	122.06	108.11
14	A	838	CLA	O2A-C1-C2	3.62	122.06	108.11
14	H	834	CLA	O2A-C1-C2	3.62	122.05	108.11
14	G	802	CLA	O2A-C1-C2	3.62	122.05	108.11
14	a	820	CLA	CAA-C2A-C3A	-3.62	103.21	113.00
14	a	825	CLA	O2A-C1-C2	3.62	122.05	108.11
16	J	1304	BCR	C7-C8-C9	-3.62	120.88	126.23
14	B	841	CLA	O2A-CGA-CBA	3.62	122.87	111.83
14	A	820	CLA	CMC-C2C-C1C	3.62	130.69	125.03
14	a	806	CLA	C2B-C1B-NB	3.62	114.08	110.33
14	b	803	CLA	O2A-CGA-CBA	3.62	122.87	111.83
14	Q	201	CLA	O2A-CGA-O1A	-3.62	114.58	123.63
14	H	821	CLA	CAA-C2A-C3A	-3.62	103.23	113.00
14	a	852	CLA	C4C-C3C-C2C	-3.62	101.63	106.89
14	L	206	CLA	O2A-CGA-CBA	3.61	122.86	111.83
14	a	831	CLA	O2A-C1-C2	3.61	122.02	108.11
14	A	816	CLA	O2A-CGA-CBA	3.61	122.85	111.83
14	G	816	CLA	CHD-C1D-ND	-3.61	119.72	124.80
14	B	807	CLA	CHD-C1D-ND	-3.61	119.72	124.80
14	G	811	CLA	CHD-C1D-ND	-3.61	119.72	124.80
16	H	849	BCR	C31-C1-C6	-3.61	104.58	110.24
14	H	827	CLA	C2D-C1D-ND	3.61	113.70	110.13
16	G	848	BCR	C33-C5-C6	-3.61	120.54	124.48
14	H	842	CLA	CMB-C2B-C1B	3.61	130.91	125.42
14	B	812	CLA	C1D-ND-C4D	-3.61	103.78	106.31
14	B	826	CLA	C2B-C1B-NB	3.61	114.07	110.33
14	b	839	CLA	O2A-CGA-CBA	3.61	122.83	111.83
14	G	820	CLA	CAA-C2A-C3A	-3.61	103.25	113.00
14	B	830	CLA	C2B-C1B-NB	3.61	114.06	110.33
14	A	826	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	b	806	CLA	O2A-CGA-CBA	3.60	122.82	111.83
16	B	848	BCR	C3-C4-C5	-3.60	107.63	114.06
14	l	205	CLA	O2A-CGA-CBA	3.60	122.82	111.83
14	H	829	CLA	C1D-ND-C4D	-3.60	103.78	106.31
14	B	809	CLA	O2A-CGA-CBA	3.60	122.81	111.83
14	H	809	CLA	O2A-CGA-CBA	3.60	122.81	111.83
14	a	837	CLA	C2B-C1B-NB	3.60	114.06	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	S	102	CLA	CHD-C1D-ND	-3.60	119.74	124.80
14	a	804	CLA	O2A-CGA-CBA	3.60	122.80	111.83
14	a	819	CLA	O2A-C1-C2	3.60	121.95	108.11
16	U	202	BCR	C7-C8-C9	-3.60	120.91	126.23
14	A	835	CLA	O2A-CGA-CBA	3.60	122.80	111.83
14	b	818	CLA	O2A-CGA-CBA	3.60	122.80	111.83
14	b	824	CLA	CHD-C1D-ND	-3.59	119.74	124.80
16	b	842	BCR	C2-C1-C6	3.59	115.66	110.44
14	H	830	CLA	C4D-C3D-CAD	3.59	112.01	108.11
14	B	839	CLA	O2A-C1-C2	3.59	121.94	108.11
16	L	202	BCR	C7-C8-C9	-3.59	120.92	126.23
14	b	832	CLA	O2A-C1-C2	3.59	121.93	108.11
14	A	826	CLA	CAA-C2A-C3A	-3.59	103.30	113.00
14	H	839	CLA	O2A-C1-C2	3.59	121.92	108.11
14	b	813	CLA	CAC-C3C-C4C	3.59	129.46	124.79
14	a	831	CLA	O2A-CGA-CBA	3.59	122.78	111.83
14	l	204	CLA	CAA-C2A-C3A	-3.59	103.31	113.00
16	J	1304	BCR	C3-C4-C5	-3.59	107.66	114.06
14	A	805	CLA	C2B-C1B-NB	3.59	114.04	110.33
14	b	817	CLA	C4-C3-C5	3.59	121.45	115.23
14	B	839	CLA	CHD-C1D-ND	-3.59	119.76	124.80
14	A	809	CLA	C2B-C1B-NB	3.58	114.04	110.33
14	b	839	CLA	CMD-C2D-C3D	-3.58	119.47	127.69
14	H	815	CLA	O2A-C1-C2	3.58	121.89	108.11
14	G	807	CLA	O2A-CGA-CBA	3.58	122.76	111.83
16	A	849	BCR	C33-C5-C6	-3.58	120.58	124.48
14	H	840	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	b	813	CLA	O2A-C1-C2	3.58	121.89	108.11
14	a	822	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	H	811	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	S	102	CLA	C2B-C1B-NB	3.58	114.04	110.33
14	B	815	CLA	O2A-C1-C2	3.58	121.88	108.11
16	S	103	BCR	C19-C18-C17	3.58	124.64	119.01
14	a	802	CLA	O2A-C1-C2	3.58	121.88	108.11
14	b	838	CLA	C2B-C1B-NB	3.58	114.04	110.33
14	a	820	CLA	O2A-CGA-CBA	3.58	122.74	111.83
14	F	201	CLA	O2A-CGA-O1A	-3.58	114.68	123.63
14	G	829	CLA	O2A-C1-C2	3.58	121.87	108.11
14	G	806	CLA	CHD-C1D-ND	-3.58	119.77	124.80
14	B	815	CLA	C2B-C1B-NB	3.58	114.03	110.33
14	a	841	CLA	C4-C3-C5	3.58	121.43	115.23
14	A	839	CLA	CMA-C3A-C4A	3.58	121.38	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	CAA-C2A-C3A	-3.57	103.34	113.00
14	b	823	CLA	C3C-C4C-NC	3.57	115.01	110.43
14	a	811	CLA	CHD-C1D-ND	-3.57	119.77	124.80
14	H	810	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	B	831	CLA	C4D-C3D-CAD	3.57	111.99	108.11
14	b	828	CLA	CHD-C1D-ND	-3.57	119.78	124.80
16	b	850	BCR	C8-C9-C10	3.57	124.63	119.01
16	J	1304	BCR	C19-C18-C17	3.57	124.63	119.01
14	H	822	CLA	C2B-C1B-NB	3.57	114.03	110.33
14	G	826	CLA	C2B-C1B-NB	3.57	114.03	110.33
19	b	849	LMG	O7-C10-C11	3.57	119.20	111.48
14	A	813	CLA	CHD-C1D-ND	-3.57	119.78	124.80
14	b	837	CLA	CHD-C1D-ND	-3.57	119.78	124.80
14	A	821	CLA	O2A-CGA-CBA	3.57	125.27	114.00
14	A	810	CLA	OBD-CAD-C3D	-3.57	120.08	128.42
14	G	836	CLA	O2A-CGA-CBA	3.57	122.70	111.83
14	B	840	CLA	C2B-C1B-NB	3.56	114.02	110.33
16	S	103	BCR	C3-C4-C5	-3.56	107.70	114.06
14	a	835	CLA	O2A-CGA-CBA	3.56	122.70	111.83
14	G	819	CLA	C1D-ND-C4D	-3.56	103.81	106.31
14	a	827	CLA	CHD-C1D-ND	-3.56	119.79	124.80
14	H	841	CLA	C2B-C1B-NB	3.56	114.02	110.33
14	B	801	CLA	C1-O2A-CGA	3.56	125.28	116.65
14	A	803	CLA	C1D-ND-C4D	-3.56	103.81	106.31
14	a	836	CLA	C2B-C1B-NB	3.56	114.02	110.33
14	B	834	CLA	O2A-C1-C2	3.56	121.82	108.11
16	A	846	BCR	C28-C27-C26	-3.56	107.70	114.06
14	B	802	CLA	CHD-C1D-ND	-3.56	119.79	124.80
14	B	818	CLA	CHD-C1D-ND	-3.56	119.79	124.80
14	A	812	CLA	CHD-C4C-C3C	-3.56	119.58	124.77
14	H	805	CLA	OBD-CAD-C3D	-3.56	120.10	128.42
14	G	823	CLA	C2B-C1B-NB	3.56	114.02	110.33
14	G	840	CLA	C4-C3-C5	3.56	121.41	115.23
14	A	852	CLA	C3C-C4C-NC	3.56	114.99	110.43
14	H	820	CLA	O2A-C1-C2	3.56	121.80	108.11
14	A	819	CLA	C4D-C3D-CAD	3.56	111.97	108.11
14	H	828	CLA	O2A-C1-C2	3.56	121.80	108.11
14	b	802	CLA	CHD-C1D-ND	-3.56	119.80	124.80
14	A	831	CLA	O2A-CGA-CBA	3.56	122.68	111.83
14	a	805	CLA	C2B-C1B-NB	3.56	114.01	110.33
14	A	804	CLA	O2A-CGA-CBA	3.56	122.68	111.83
14	j	1303	CLA	C2B-C1B-NB	3.56	114.01	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	J	1303	CLA	CHD-C1D-ND	-3.55	119.80	124.80
14	a	821	CLA	O2A-CGA-CBA	3.55	125.23	114.00
14	H	803	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	B	814	CLA	CHD-C1D-ND	-3.55	119.80	124.80
14	b	829	CLA	CHD-C1D-ND	-3.55	119.80	124.80
14	A	820	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	G	817	CLA	O2A-C1-C2	3.55	121.78	108.11
14	b	828	CLA	C4D-C3D-CAD	3.55	111.96	108.11
15	H	843	PQN	C2M-C2-C3	-3.55	118.61	124.45
14	b	828	CLA	C2D-C1D-ND	3.55	113.64	110.13
14	A	822	CLA	CHD-C1D-ND	-3.55	119.81	124.80
16	f	201	BCR	C28-C27-C26	-3.55	107.72	114.06
14	b	825	CLA	O2A-C1-C2	3.55	121.77	108.11
14	G	829	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	G	820	CLA	O2A-CGA-CBA	3.55	122.66	111.83
14	U	207	CLA	O2A-CGA-CBA	3.55	122.66	111.83
14	B	823	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	A	820	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	m	1201	CLA	CHD-C1D-ND	-3.55	119.81	124.80
14	b	821	CLA	CHD-C1D-ND	-3.55	119.81	124.80
16	V	1602	BCR	C37-C22-C21	-3.54	117.08	122.82
14	G	804	CLA	O2A-CGA-CBA	3.54	122.63	111.83
14	b	839	CLA	C2B-C1B-NB	3.54	114.00	110.33
14	H	802	CLA	O2A-C1-C2	3.54	121.73	108.11
16	j	1304	BCR	C3-C4-C5	-3.54	107.74	114.06
14	H	815	CLA	CMC-C2C-C1C	3.54	130.56	125.03
14	B	803	CLA	O2A-CGA-CBA	3.54	122.62	111.83
16	B	849	BCR	C3-C4-C5	-3.54	107.75	114.06
14	H	812	CLA	CAA-C2A-C3A	-3.54	103.45	113.00
14	H	813	CLA	CHD-C1D-ND	-3.53	119.83	124.80
14	B	801	CLA	CHD-C1D-ND	-3.53	119.83	124.80
16	j	1304	BCR	C7-C8-C9	-3.53	121.01	126.23
14	a	827	CLA	C1-O2A-CGA	3.53	125.19	116.65
16	G	845	BCR	C28-C27-C26	-3.53	107.76	114.06
14	H	813	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	H	830	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	a	817	CLA	CHD-C1D-ND	-3.53	119.84	124.80
14	G	821	CLA	O2A-CGA-CBA	3.53	125.15	114.00
14	B	812	CLA	CAA-C2A-C3A	-3.53	103.47	113.00
14	G	815	CLA	CHD-C1D-ND	-3.53	119.84	124.80
14	T	101	CLA	CHD-C1D-ND	-3.53	119.84	124.80
14	H	818	CLA	CHD-C1D-ND	-3.53	119.84	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	821	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	B	826	CLA	C3C-C4C-NC	3.52	114.94	110.43
14	B	815	CLA	CHD-C1D-ND	-3.52	119.84	124.80
14	B	828	CLA	O2A-C1-C2	3.52	121.67	108.11
14	a	836	CLA	O2A-CGA-CBA	3.52	122.58	111.83
14	b	840	CLA	CMB-C2B-C1B	3.52	130.78	125.42
16	a	845	BCR	C36-C18-C17	-3.52	117.11	122.82
14	b	818	CLA	CAA-C2A-C3A	-3.52	103.48	113.00
14	V	1601	CLA	CMB-C2B-C1B	3.52	130.78	125.42
16	j	1304	BCR	C19-C18-C17	3.52	124.54	119.01
14	a	823	CLA	C2B-C1B-NB	3.52	113.97	110.33
14	a	840	CLA	C2B-C1B-NB	3.52	113.97	110.33
14	A	827	CLA	O2A-CGA-O1A	-3.52	114.83	123.63
14	j	1303	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	H	841	CLA	CMA-C3A-C4A	3.52	121.22	111.77
15	A	843	PQN	C15-C13-C12	-3.52	113.28	121.17
14	m	1202	CLA	C2B-C1B-NB	3.51	113.97	110.33
14	b	812	CLA	O2A-C1-C2	3.51	121.63	108.11
14	G	831	CLA	O2A-CGA-CBA	3.51	122.55	111.83
14	A	817	CLA	CHD-C1D-ND	-3.51	119.86	124.80
14	A	836	CLA	C2B-C1B-NB	3.51	113.97	110.33
16	H	849	BCR	C3-C4-C5	-3.51	107.79	114.06
14	G	827	CLA	CHD-C1D-ND	-3.51	119.86	124.80
14	B	810	CLA	CMB-C2B-C1B	3.51	130.76	125.42
14	a	826	CLA	CAA-C2A-C3A	-3.51	103.52	113.00
16	b	845	BCR	C3-C4-C5	-3.51	107.80	114.06
14	H	806	CLA	O2D-CGD-O1D	-3.51	117.02	123.85
14	G	827	CLA	O2A-CGA-CBA	3.51	122.53	111.83
14	b	804	CLA	C4-C3-C5	3.51	121.31	115.23
16	l	201	BCR	C3-C4-C5	-3.51	107.80	114.06
14	b	809	CLA	CAA-C2A-C3A	-3.51	103.53	113.00
14	a	826	CLA	C4D-C3D-CAD	3.50	111.91	108.11
14	a	818	CLA	O2A-C1-C2	3.50	121.59	108.11
14	A	840	CLA	C4-C3-C5	3.50	121.31	115.23
14	H	831	CLA	C1D-ND-C4D	-3.50	103.86	106.31
14	G	835	CLA	O2A-CGA-CBA	3.50	122.50	111.83
16	H	849	BCR	C28-C27-C26	-3.50	107.82	114.06
14	B	820	CLA	O2A-C1-C2	3.50	121.57	108.11
14	H	811	CLA	CBC-CAC-C3C	-3.50	102.94	112.42
14	B	822	CLA	C2B-C1B-NB	3.50	113.95	110.33
16	B	847	BCR	C3-C4-C5	-3.50	107.82	114.06
14	a	821	CLA	C2B-C1B-NB	3.49	113.95	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	835	CLA	O2A-C1-C2	3.49	121.55	108.11
16	b	845	BCR	C34-C9-C10	-3.49	117.16	122.82
16	L	209	BCR	C19-C18-C17	3.49	124.50	119.01
14	G	803	CLA	O2A-C1-C2	3.49	121.53	108.11
14	A	821	CLA	C2B-C1B-NB	3.49	113.94	110.33
14	H	814	CLA	CHD-C1D-ND	-3.49	119.89	124.80
14	B	842	CLA	O2A-CGA-CBA	3.49	122.47	111.83
14	b	815	CLA	CHD-C1D-ND	-3.49	119.89	124.80
14	B	830	CLA	C1D-ND-C4D	-3.49	103.87	106.31
14	k	101	CLA	CHD-C1D-ND	-3.49	119.90	124.80
14	B	821	CLA	O2D-CGD-O1D	-3.49	117.06	123.85
14	H	824	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	a	826	CLA	O2A-C1-C2	3.48	121.52	108.11
14	A	827	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	a	827	CLA	O2A-CGA-CBA	3.48	122.45	111.83
14	b	831	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	L	201	CLA	C1-O2A-CGA	3.48	125.08	116.65
14	a	852	CLA	CAC-C3C-C4C	3.48	129.32	124.79
14	U	206	CLA	CAA-C2A-C3A	-3.48	103.59	113.00
14	b	827	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	A	820	CLA	O2A-C1-C2	3.48	121.50	108.11
14	B	802	CLA	CAA-C2A-C3A	-3.48	103.60	113.00
14	l	205	CLA	CHD-C1D-ND	-3.48	119.91	124.80
14	b	810	CLA	C2B-C1B-NB	3.48	113.93	110.33
14	A	826	CLA	O2A-C1-C2	3.48	121.49	108.11
14	G	838	CLA	CMC-C2C-C1C	3.48	130.47	125.03
14	a	838	CLA	O2A-C1-C2	3.48	121.49	108.11
14	G	821	CLA	CHD-C1D-ND	-3.48	119.91	124.80
14	H	820	CLA	C4-C3-C5	3.48	121.26	115.23
14	B	820	CLA	C4-C3-C5	3.48	121.26	115.23
16	U	203	BCR	C37-C22-C21	-3.47	117.19	122.82
14	a	809	CLA	CMA-C3A-C4A	3.47	121.11	111.77
14	b	816	CLA	C3B-C2B-C1B	-3.47	103.08	107.17
14	b	834	CLA	C2B-C1B-NB	3.47	113.93	110.33
14	B	804	CLA	O2A-C1-C2	3.47	121.46	108.11
14	G	826	CLA	O2A-C1-C2	3.47	121.46	108.11
14	B	811	CLA	CHD-C1D-ND	-3.47	119.92	124.80
14	H	804	CLA	O2A-C1-C2	3.47	121.45	108.11
14	G	818	CLA	O2A-C1-C2	3.46	121.44	108.11
16	L	202	BCR	C3-C4-C5	-3.46	107.88	114.06
16	l	202	BCR	C37-C22-C21	-3.46	117.20	122.82
14	B	832	CLA	CHD-C1D-ND	-3.46	119.93	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	839	CLA	C2B-C1B-NB	3.46	113.92	110.33
14	k	101	CLA	CAA-C2A-C3A	-3.46	103.64	113.00
14	H	833	CLA	CHD-C1D-ND	-3.46	119.93	124.80
14	A	806	CLA	C2B-C1B-NB	3.46	113.92	110.33
14	b	840	CLA	O2A-CGA-CBA	3.46	122.39	111.83
14	G	838	CLA	CAA-C2A-C3A	-3.46	103.65	113.00
14	G	830	CLA	O2A-C1-C2	3.46	121.42	108.11
14	a	804	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	F	201	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	G	823	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	a	816	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	b	840	CLA	CHD-C1D-ND	-3.46	119.94	124.80
14	a	829	CLA	C2B-C1B-NB	3.46	113.91	110.33
14	b	830	CLA	CHD-C1D-ND	-3.45	119.94	124.80
14	B	821	CLA	C2B-C1B-NB	3.45	113.91	110.33
16	H	847	BCR	C37-C22-C21	-3.45	117.22	122.82
14	b	807	CLA	CMB-C2B-C1B	3.45	130.68	125.42
14	a	803	CLA	O2A-C1-C2	3.45	121.39	108.11
14	A	825	CLA	CHD-C1D-ND	-3.45	119.94	124.80
14	H	816	CLA	CHD-C1D-ND	-3.45	119.94	124.80
14	a	835	CLA	O2A-C1-C2	3.45	121.39	108.11
16	S	103	BCR	C7-C8-C9	-3.45	121.13	126.23
14	B	832	CLA	C2B-C1B-NB	3.45	113.90	110.33
14	b	831	CLA	C1-O2A-CGA	3.45	125.00	116.65
16	Q	203	BCR	C28-C27-C26	-3.45	107.91	114.06
14	a	830	CLA	O2A-C1-C2	3.45	121.37	108.11
14	B	833	CLA	CHD-C1D-ND	-3.45	119.95	124.80
14	U	207	CLA	CHD-C1D-ND	-3.45	119.95	124.80
16	A	844	BCR	C28-C27-C26	-3.45	107.91	114.06
16	b	850	BCR	C38-C26-C25	-3.44	120.73	124.48
14	A	841	CLA	CHD-C1D-ND	-3.44	119.96	124.80
16	f	201	BCR	C19-C18-C17	3.44	124.42	119.01
14	B	842	CLA	CHD-C1D-ND	-3.44	119.96	124.80
14	G	815	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	b	817	CLA	CHD-C1D-ND	-3.44	119.96	124.80
16	H	846	BCR	C34-C9-C10	-3.44	117.24	122.82
14	a	823	CLA	CHD-C1D-ND	-3.44	119.96	124.80
14	a	853	CLA	CAC-C3C-C4C	3.44	129.27	124.79
14	A	836	CLA	O2A-CGA-CBA	3.44	122.32	111.83
14	b	802	CLA	CAA-C2A-C3A	-3.44	103.71	113.00
14	j	1301	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	G	812	CLA	CMC-C2C-C1C	3.44	130.41	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	837	CLA	CHD-C1D-ND	-3.44	119.97	124.80
14	b	839	CLA	CMA-C3A-C4A	3.44	121.01	111.77
14	a	819	CLA	C4D-C3D-CAD	3.44	111.84	108.11
14	b	819	CLA	C3C-C4C-NC	3.44	114.83	110.43
14	a	830	CLA	CHD-C1D-ND	-3.44	119.97	124.80
14	A	804	CLA	CHD-C1D-ND	-3.43	119.97	124.80
14	H	810	CLA	CMB-C2B-C1B	3.43	130.65	125.42
14	A	830	CLA	O2A-C1-C2	3.43	121.31	108.11
14	H	822	CLA	O2A-CGA-CBA	3.43	124.84	114.00
14	H	835	CLA	CHD-C1D-ND	-3.43	119.98	124.80
16	b	847	BCR	C31-C1-C6	-3.43	104.87	110.24
14	A	831	CLA	CHD-C1D-ND	-3.43	119.98	124.80
16	l	202	BCR	C19-C18-C17	3.43	124.40	119.01
14	a	817	CLA	CBA-CAA-C2A	3.43	123.99	113.79
14	B	821	CLA	O2A-CGA-CBA	3.43	122.29	111.83
14	T	101	CLA	CAA-C2A-C3A	-3.43	103.74	113.00
14	b	820	CLA	CAC-C3C-C4C	3.43	129.25	124.79
14	a	852	CLA	OBD-CAD-C3D	-3.43	120.41	128.42
14	b	811	CLA	CHD-C1D-ND	-3.43	119.98	124.80
16	a	844	BCR	C28-C27-C26	-3.43	107.95	114.06
14	H	836	CLA	C2B-C1B-NB	3.43	113.88	110.33
14	A	827	CLA	C1-O2A-CGA	3.42	124.94	116.65
16	U	202	BCR	C3-C4-C5	-3.42	107.95	114.06
16	b	844	BCR	C34-C9-C10	-3.42	117.27	122.82
14	H	819	CLA	O2A-CGA-CBA	3.42	122.27	111.83
16	Q	203	BCR	C19-C18-C17	3.42	124.39	119.01
14	A	828	CLA	O2A-C1-C2	3.42	121.27	108.11
16	H	848	BCR	C33-C5-C6	-3.42	120.75	124.48
14	G	820	CLA	O2A-C1-C2	3.42	121.27	108.11
14	a	813	CLA	O2D-CGD-O1D	-3.42	117.19	123.85
14	Q	202	CLA	CMC-C2C-C1C	3.42	130.38	125.03
14	a	826	CLA	C2B-C1B-NB	3.42	113.87	110.33
14	H	802	CLA	CAA-C2A-C3A	-3.42	103.76	113.00
14	H	837	CLA	CHD-C1D-ND	-3.42	119.99	124.80
14	B	820	CLA	CHD-C1D-ND	-3.42	119.99	124.80
16	F	202	BCR	C19-C18-C17	3.42	124.38	119.01
14	H	827	CLA	CMD-C2D-C3D	-3.41	119.86	127.69
14	B	829	CLA	O2A-C1-C2	3.41	121.24	108.11
16	a	849	BCR	C33-C5-C6	-3.41	120.76	124.48
16	l	201	BCR	C38-C26-C25	-3.41	120.76	124.48
14	A	827	CLA	O2A-CGA-CBA	3.41	122.23	111.83
14	G	826	CLA	CAA-C2A-C3A	-3.41	103.78	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	819	CLA	CHD-C1D-ND	-3.41	120.01	124.80
14	G	825	CLA	CHD-C1D-ND	-3.41	120.01	124.80
14	G	837	CLA	CHD-C1D-ND	-3.41	120.01	124.80
14	b	831	CLA	CHD-C1D-ND	-3.41	120.01	124.80
14	A	803	CLA	C4D-C3D-CAD	3.41	111.81	108.11
16	l	206	BCR	C19-C18-C17	3.40	124.36	119.01
14	A	832	CLA	CAA-C2A-C3A	-3.40	103.80	113.00
13	A	801	CL0	C1D-ND-C4D	-3.40	103.92	106.31
14	H	812	CLA	C1D-ND-C4D	-3.40	103.92	106.31
14	A	819	CLA	CHD-C1D-ND	-3.40	120.02	124.80
16	B	846	BCR	C34-C9-C10	-3.40	117.31	122.82
14	a	828	CLA	O2A-C1-C2	3.40	121.20	108.11
14	A	819	CLA	CMD-C2D-C3D	-3.40	119.89	127.69
14	H	827	CLA	C4A-NA-C1A	3.40	108.23	106.68
14	G	819	CLA	CMD-C2D-C3D	-3.40	119.89	127.69
16	G	848	BCR	C8-C9-C10	3.40	124.36	119.01
14	B	808	CLA	O2A-C1-C2	3.40	121.18	108.11
16	A	849	BCR	C30-C25-C24	3.40	124.87	115.65
14	G	835	CLA	O2A-C1-C2	3.40	121.18	108.11
14	J	1301	CLA	C2B-C1B-NB	3.40	113.85	110.33
14	G	834	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	a	820	CLA	O2A-C1-C2	3.40	121.18	108.11
14	H	809	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	H	821	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	b	810	CLA	CHD-C1D-ND	-3.40	120.02	124.80
14	b	808	CLA	C2B-C1B-NB	3.40	113.85	110.33
14	B	803	CLA	CAA-C2A-C3A	-3.40	103.82	113.00
14	H	819	CLA	CHD-C1D-ND	-3.39	120.03	124.80
16	L	202	BCR	C38-C26-C25	-3.39	120.78	124.48
14	a	831	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	B	827	CLA	CHD-C1D-ND	-3.39	120.03	124.80
16	a	848	BCR	C38-C26-C25	-3.39	120.78	124.48
14	H	801	CLA	C1-O2A-CGA	3.39	124.86	116.65
14	A	839	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	H	808	CLA	O2A-C1-C2	3.39	121.16	108.11
14	H	831	CLA	CMD-C2D-C3D	-3.39	119.91	127.69
14	B	837	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	A	841	CLA	CAA-C2A-C3A	-3.39	103.84	113.00
14	G	804	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	a	825	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	B	811	CLA	CMB-C2B-C1B	3.39	130.58	125.42
14	A	823	CLA	CHD-C1D-ND	-3.39	120.04	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	834	CLA	CHD-C1D-ND	-3.39	120.04	124.80
14	H	808	CLA	CMC-C2C-C1C	3.39	130.32	125.03
14	k	102	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	A	838	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	G	831	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	H	801	CLA	CMD-C2D-C1D	3.38	130.68	124.73
14	a	828	CLA	CMA-C3A-C4A	3.38	120.86	111.77
14	H	842	CLA	O2A-CGA-CBA	3.38	122.15	111.83
16	G	848	BCR	C30-C25-C24	3.38	124.82	115.65
14	G	835	CLA	CHD-C1D-ND	-3.38	120.04	124.80
16	H	850	BCR	C7-C8-C9	-3.38	121.23	126.23
14	M	1601	CLA	O2A-CGA-CBA	3.38	124.68	114.00
16	A	848	BCR	C38-C26-C25	-3.38	120.80	124.48
14	A	803	CLA	O2A-C1-C2	3.38	121.11	108.11
14	B	806	CLA	C3C-C4C-NC	3.38	114.76	110.43
14	G	819	CLA	C4D-C3D-CAD	3.38	111.78	108.11
14	B	836	CLA	C2B-C1B-NB	3.38	113.83	110.33
16	H	847	BCR	C34-C9-C8	3.38	123.25	118.09
14	H	834	CLA	C4-C3-C5	3.38	121.09	115.23
14	G	826	CLA	CHD-C1D-ND	-3.38	120.05	124.80
14	H	817	CLA	CHD-C1D-ND	-3.38	120.05	124.80
14	L	206	CLA	CHD-C1D-ND	-3.38	120.05	124.80
14	B	841	CLA	CMA-C3A-C4A	3.38	120.85	111.77
16	B	847	BCR	C4-C5-C6	-3.38	118.14	122.70
14	m	1202	CLA	O2A-CGA-CBA	3.37	124.66	114.00
14	G	817	CLA	O2D-CGD-O1D	-3.37	117.28	123.85
14	A	812	CLA	CAA-C2A-C3A	-3.37	103.88	113.00
14	A	834	CLA	CHD-C1D-ND	-3.37	120.06	124.80
16	U	202	BCR	C38-C26-C25	-3.37	120.80	124.48
14	b	836	CLA	C2B-C1B-NB	3.37	113.82	110.33
16	a	849	BCR	C24-C23-C22	-3.37	121.25	126.23
14	B	834	CLA	C4-C3-C5	3.37	121.08	115.23
14	B	813	CLA	CMB-C2B-C1B	3.37	130.55	125.42
14	K	1401	CLA	CHD-C1D-ND	-3.37	120.06	124.80
16	b	850	BCR	C3-C4-C5	-3.37	108.05	114.06
14	H	820	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	a	839	CLA	CAA-C2A-C3A	-3.37	103.90	113.00
14	B	811	CLA	C2B-C1B-NB	3.37	113.82	110.33
14	b	831	CLA	O2A-CGA-CBA	3.37	122.10	111.83
14	b	820	CLA	CHD-C1D-ND	-3.36	120.07	124.80
14	H	826	CLA	C1D-CHD-C4C	-3.36	118.87	126.02
14	a	832	CLA	CAA-C2A-C3A	-3.36	103.91	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1601	CLA	O2A-CGA-CBA	3.36	124.62	114.00
16	G	847	BCR	C38-C26-C25	-3.36	120.82	124.48
14	a	819	CLA	CMD-C2D-C3D	-3.36	119.98	127.69
16	G	843	BCR	C28-C27-C26	-3.36	108.06	114.06
14	a	809	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	b	826	CLA	O2A-C1-C2	3.36	121.04	108.11
14	a	829	CLA	CHD-C1D-ND	-3.36	120.07	124.80
14	b	832	CLA	C4-C3-C5	3.36	121.06	115.23
14	b	835	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	T	102	CLA	CHD-C1D-ND	-3.36	120.08	124.80
16	B	848	BCR	C33-C5-C6	-3.36	120.82	124.48
14	B	821	CLA	CAA-C2A-C3A	-3.36	103.92	113.00
14	a	839	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	a	853	CLA	O2D-CGD-O1D	-3.36	117.31	123.85
14	B	813	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	b	817	CLA	O2A-C1-C2	3.36	121.02	108.11
14	B	819	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	b	808	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	B	813	CLA	CHD-C1D-ND	-3.35	120.08	124.80
16	S	104	BCR	C32-C1-C31	-3.35	99.03	108.63
14	H	842	CLA	CHD-C1D-ND	-3.35	120.08	124.80
14	B	819	CLA	O2A-C1-C2	3.35	121.01	108.11
16	b	845	BCR	C37-C22-C21	-3.35	117.38	122.82
14	a	821	CLA	CHD-C1D-ND	-3.35	120.08	124.80
14	B	841	CLA	CHD-C1D-ND	-3.35	120.08	124.80
16	L	209	BCR	C37-C22-C21	-3.35	117.39	122.82
16	B	847	BCR	C37-C22-C21	-3.35	117.39	122.82
14	G	830	CLA	C2B-C1B-NB	3.35	113.80	110.33
14	b	803	CLA	CAA-C2A-C3A	-3.35	103.95	113.00
14	H	830	CLA	C1D-ND-C4D	-3.35	103.96	106.31
14	A	816	CLA	CHD-C1D-ND	-3.35	120.09	124.80
14	G	827	CLA	C1-O2A-CGA	3.34	124.75	116.65
14	G	838	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	a	819	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	B	830	CLA	C4D-C3D-CAD	3.34	111.74	108.11
14	A	809	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	G	832	CLA	CAA-C2A-C3A	-3.34	103.97	113.00
16	B	852	BCR	C8-C9-C10	3.34	124.27	119.01
14	b	816	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	b	827	CLA	C4D-C3D-CAD	3.34	111.73	108.11
14	H	803	CLA	CAA-C2A-C3A	-3.34	103.97	113.00
16	F	202	BCR	C28-C27-C26	-3.34	108.10	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	827	CLA	CAA-C2A-C3A	-3.34	103.98	113.00
14	J	1302	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	G	813	CLA	CHD-C1D-ND	-3.34	120.11	124.80
14	a	839	CLA	CHD-C1D-ND	-3.34	120.11	124.80
14	A	838	CLA	CAA-C2A-C3A	-3.34	103.98	113.00
14	G	809	CLA	O2A-CGA-CBA	3.34	124.54	114.00
14	b	809	CLA	C1D-ND-C4D	-3.34	103.97	106.31
14	a	837	CLA	CHD-C1D-ND	-3.33	120.11	124.80
14	H	816	CLA	CAA-C2A-C3A	-3.33	103.99	113.00
14	H	826	CLA	C4-C3-C5	3.33	121.02	115.23
14	A	841	CLA	C4C-C3C-C2C	-3.33	102.04	106.89
13	A	801	CL0	C3D-C2D-C1D	-3.33	101.28	105.83
14	a	808	CLA	CHD-C1D-ND	-3.33	120.11	124.80
14	A	829	CLA	CAA-C2A-C3A	-3.33	103.99	113.00
14	b	801	CLA	C1-O2A-CGA	3.33	124.72	116.65
14	A	828	CLA	CMA-C3A-C4A	3.33	120.73	111.77
14	H	806	CLA	C4-C3-C5	3.33	121.01	115.23
14	b	804	CLA	C2B-C1B-NB	3.33	113.78	110.33
14	a	810	CLA	CMA-C3A-C4A	3.33	120.73	111.77
14	a	809	CLA	CHD-C1D-ND	-3.33	120.12	124.80
14	A	834	CLA	O2D-CGD-O1D	-3.33	117.37	123.85
14	B	841	CLA	O2A-C1-C2	3.33	120.91	108.11
14	B	831	CLA	CAA-C2A-C3A	-3.33	104.01	113.00
14	H	825	CLA	O2A-CGA-CBA	3.33	124.51	114.00
14	G	824	CLA	CMB-C2B-C1B	3.33	130.48	125.42
16	b	848	BCR	C38-C26-C25	-3.32	120.86	124.48
14	A	821	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	B	824	CLA	CHD-C1D-ND	-3.32	120.13	124.80
14	x	1701	CLA	CHD-C1D-ND	-3.32	120.13	124.80
14	j	1301	CLA	C3C-C4C-NC	3.32	114.68	110.43
14	G	828	CLA	O2A-C1-C2	3.32	120.88	108.11
14	a	814	CLA	CHD-C1D-ND	-3.32	120.13	124.80
14	B	828	CLA	CAA-C2A-C3A	-3.32	104.03	113.00
14	B	838	CLA	C2B-C1B-NB	3.32	113.77	110.33
14	W	1701	CLA	CHD-C1D-ND	-3.32	120.14	124.80
14	G	839	CLA	CMA-C3A-C4A	3.32	120.69	111.77
14	b	829	CLA	C2B-C1B-NB	3.32	113.76	110.33
14	B	823	CLA	OBD-CAD-C3D	-3.31	120.67	128.42
16	B	847	BCR	C34-C9-C8	3.31	123.15	118.09
14	a	833	CLA	CHD-C1D-ND	-3.31	120.14	124.80
14	X	1701	CLA	CHD-C1D-ND	-3.31	120.14	124.80
14	B	801	CLA	C2C-C1C-NC	3.31	113.46	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	808	CLA	CHD-C1D-ND	-3.31	120.14	124.80
14	b	825	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
14	b	838	CLA	O2A-CGA-CBA	3.31	124.45	114.00
14	a	853	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
14	b	839	CLA	O2A-C1-C2	3.31	120.84	108.11
14	H	838	CLA	C2B-C1B-NB	3.31	113.76	110.33
14	M	1601	CLA	C4D-C3D-CAD	3.31	111.70	108.11
14	G	833	CLA	CHD-C1D-ND	-3.31	120.15	124.80
14	B	825	CLA	CHD-C1D-ND	-3.31	120.15	124.80
14	B	805	CLA	C4-C3-C5	3.30	120.96	115.23
14	A	809	CLA	O2A-CGA-CBA	3.30	124.44	114.00
14	H	841	CLA	O2A-C1-C2	3.30	120.82	108.11
14	b	818	CLA	CHD-C1D-ND	-3.30	120.15	124.80
14	J	1301	CLA	C3C-C4C-NC	3.30	114.66	110.43
14	b	802	CLA	OBD-CAD-C3D	-3.30	120.70	128.42
14	A	818	CLA	CHD-C1D-ND	-3.30	120.16	124.80
14	B	825	CLA	O2A-CGA-CBA	3.30	124.43	114.00
14	H	823	CLA	CAC-C3C-C4C	3.30	129.09	124.79
16	b	847	BCR	C3-C4-C5	-3.30	108.17	114.06
14	b	824	CLA	CAA-C2A-C3A	-3.30	104.08	113.00
14	b	819	CLA	C2B-C1B-NB	3.30	113.75	110.33
16	S	104	BCR	C34-C9-C8	3.30	123.13	118.09
14	B	810	CLA	C2B-C1B-NB	3.30	113.75	110.33
16	b	846	BCR	C33-C5-C6	-3.30	120.89	124.48
14	Q	201	CLA	C4A-NA-C1A	3.30	108.18	106.68
14	B	809	CLA	CHD-C1D-ND	-3.30	120.17	124.80
14	G	810	CLA	CMA-C3A-C4A	3.29	120.63	111.77
14	a	842	CLA	O2A-C1-C2	3.29	120.78	108.11
14	A	805	CLA	CHD-C1D-ND	-3.29	120.17	124.80
14	H	828	CLA	CHD-C1D-ND	-3.29	120.17	124.80
14	G	817	CLA	C1D-ND-C4D	-3.29	104.00	106.31
14	G	841	CLA	O2A-C1-C2	3.29	120.78	108.11
14	B	817	CLA	CHD-C1D-ND	-3.29	120.17	124.80
14	G	813	CLA	O2A-CGA-CBA	3.29	124.40	114.00
14	B	822	CLA	O2A-CGA-CBA	3.29	124.40	114.00
14	H	829	CLA	O2A-C1-C2	3.29	120.77	108.11
16	H	847	BCR	C33-C5-C6	-3.29	120.89	124.48
14	B	805	CLA	C2B-C1B-NB	3.29	113.74	110.33
14	H	826	CLA	CMB-C2B-C3B	3.29	134.28	126.55
16	L	209	BCR	C36-C18-C17	-3.29	117.49	122.82
14	B	808	CLA	CHD-C1D-ND	-3.29	120.17	124.80
14	G	829	CLA	CAA-C2A-C3A	-3.29	104.12	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	818	CLA	CHD-C1D-ND	-3.29	120.18	124.80
14	B	823	CLA	CMA-C3A-C4A	3.29	120.61	111.77
16	H	847	BCR	C1-C6-C5	-3.29	118.15	122.64
16	a	844	BCR	C15-C14-C13	-3.28	122.67	127.28
14	G	813	CLA	CMC-C2C-C1C	3.28	130.17	125.03
14	B	821	CLA	CHD-C1D-ND	-3.28	120.18	124.80
14	a	809	CLA	O2A-CGA-CBA	3.28	124.37	114.00
14	A	852	CLA	OBD-CAD-C3D	-3.28	120.74	128.42
14	G	808	CLA	CHD-C1D-ND	-3.28	120.18	124.80
14	A	837	CLA	O2A-CGA-CBA	3.28	124.37	114.00
14	B	828	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	H	828	CLA	CAA-C2A-C3A	-3.28	104.14	113.00
14	R	101	CLA	C1-O2A-CGA	3.28	124.59	116.65
14	B	835	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	H	823	CLA	CHD-C1D-ND	-3.28	120.19	124.80
16	j	1305	BCR	C28-C27-C26	-3.28	108.21	114.06
14	G	830	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	G	837	CLA	O2A-CGA-CBA	3.28	124.36	114.00
14	A	826	CLA	C4C-C3C-C2C	-3.28	102.12	106.89
14	H	823	CLA	OBD-CAD-C3D	-3.28	120.75	128.42
14	A	813	CLA	O2D-CGD-O1D	-3.28	117.47	123.85
14	H	811	CLA	C2B-C1B-NB	3.28	113.72	110.33
16	U	203	BCR	C19-C18-C17	3.28	124.16	119.01
14	b	810	CLA	CMB-C2B-C1B	3.28	130.41	125.42
14	H	840	CLA	O2A-CGA-CBA	3.28	124.35	114.00
14	G	802	CLA	C4-C3-C5	3.28	120.91	115.23
14	B	840	CLA	O2A-CGA-CBA	3.28	124.35	114.00
14	A	842	CLA	O2A-C1-C2	3.27	120.71	108.11
14	a	836	CLA	CMA-C3A-C4A	3.27	120.58	111.77
14	H	841	CLA	CHD-C1D-ND	-3.27	120.20	124.80
16	H	844	BCR	C19-C18-C17	3.27	124.16	119.01
14	a	802	CLA	C4-C3-C5	3.27	120.91	115.23
14	a	803	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	b	822	CLA	O2A-CGA-CBA	3.27	124.33	114.00
13	A	801	CL0	CMD-C2D-C3D	-3.27	120.19	127.69
14	a	835	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	b	836	CLA	CHD-C1D-ND	-3.27	120.20	124.80
16	A	849	BCR	C8-C9-C10	3.27	124.15	119.01
14	H	806	CLA	O2A-C1-C2	3.27	120.68	108.11
14	A	841	CLA	O2A-CGA-CBA	3.27	124.32	114.00
16	J	1305	BCR	C34-C9-C8	3.27	123.08	118.09
14	B	827	CLA	CAA-C2A-C3A	-3.26	104.18	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	814	CLA	CHD-C1D-ND	-3.26	120.21	124.80
14	H	813	CLA	CMB-C2B-C1B	3.26	130.38	125.42
14	b	806	CLA	CHD-C1D-ND	-3.26	120.21	124.80
14	a	837	CLA	O2A-CGA-CBA	3.26	124.30	114.00
14	a	829	CLA	CAA-C2A-C3A	-3.26	104.19	113.00
14	B	804	CLA	CHD-C1D-ND	-3.26	120.22	124.80
14	G	851	CLA	C3C-C4C-NC	3.26	114.60	110.43
16	I	101	BCR	C38-C26-C25	-3.26	120.93	124.48
14	a	840	CLA	CMA-C3A-C4A	3.26	120.53	111.77
16	B	849	BCR	C28-C27-C26	-3.26	108.25	114.06
14	A	842	CLA	CHD-C1D-ND	-3.26	120.22	124.80
14	b	823	CLA	C4-C3-C5	3.26	120.88	115.23
14	b	805	CLA	O2A-C1-C2	3.26	120.64	108.11
14	A	816	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
16	H	847	BCR	C33-C5-C4	3.26	120.54	113.60
14	a	842	CLA	CHD-C1D-ND	-3.26	120.22	124.80
14	G	828	CLA	CMA-C3A-C4A	3.25	120.52	111.77
14	G	812	CLA	CHD-C4C-C3C	-3.25	120.03	124.77
16	R	102	BCR	C38-C26-C25	-3.25	120.93	124.48
14	G	812	CLA	CAA-C2A-C3A	-3.25	104.21	113.00
14	X	1701	CLA	CAA-C2A-C3A	-3.25	104.21	113.00
14	H	826	CLA	CMD-C2D-C3D	3.25	135.15	127.69
14	H	807	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
14	H	825	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
16	a	849	BCR	C30-C25-C24	3.25	124.46	115.65
14	L	206	CLA	O2A-C1-C2	3.25	120.61	108.11
14	a	812	CLA	CMD-C2D-C3D	-3.25	120.24	127.69
14	A	814	CLA	CHD-C1D-ND	-3.25	120.23	124.80
14	k	101	CLA	O2A-CGA-CBA	3.25	124.26	114.00
14	A	833	CLA	O2A-C1-C2	3.24	120.59	108.11
14	B	826	CLA	C4-C3-C5	3.24	120.86	115.23
15	A	843	PQN	C17-C16-C15	-3.24	104.61	113.26
14	G	833	CLA	O2A-C1-C2	3.24	120.59	108.11
16	U	203	BCR	C36-C18-C17	-3.24	117.56	122.82
14	V	1601	CLA	C2B-C1B-NB	3.24	113.69	110.33
16	b	845	BCR	C1-C6-C5	-3.24	118.21	122.64
14	b	804	CLA	CAA-C2A-C3A	-3.24	104.25	113.00
14	b	819	CLA	O2A-CGA-CBA	3.24	124.23	114.00
14	B	813	CLA	CAA-C2A-C3A	-3.24	104.25	113.00
14	A	813	CLA	O2A-CGA-CBA	3.24	124.22	114.00
14	a	833	CLA	O2A-C1-C2	3.23	120.56	108.11
14	H	836	CLA	CHD-C1D-ND	-3.23	120.25	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	836	CLA	O2A-CGA-CBA	3.23	124.22	114.00
14	T	101	CLA	O2A-CGA-CBA	3.23	124.22	114.00
14	b	811	CLA	O2A-CGA-CBA	3.23	124.22	114.00
14	H	808	CLA	C16-C15-C13	-3.23	105.22	115.97
14	G	836	CLA	CMA-C3A-C4A	3.23	120.46	111.77
14	a	826	CLA	CHD-C1D-ND	-3.23	120.25	124.80
14	H	805	CLA	CMB-C2B-C1B	3.23	130.34	125.42
14	a	821	CLA	CMA-C3A-C4A	3.23	120.46	111.77
14	b	827	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
14	A	810	CLA	CMA-C3A-C4A	3.23	120.46	111.77
16	G	848	BCR	C24-C23-C22	-3.23	121.46	126.23
14	S	101	CLA	CHD-C1D-ND	-3.23	120.26	124.80
14	a	839	CLA	CMC-C2C-C1C	3.23	130.08	125.03
14	G	821	CLA	C4D-C3D-CAD	3.23	111.61	108.11
14	m	1202	CLA	C4D-C3D-CAD	3.23	111.61	108.11
14	A	806	CLA	O2D-CGD-CBD	3.23	116.87	111.23
14	V	1601	CLA	C4D-C3D-CAD	3.23	111.61	108.11
14	b	834	CLA	CHD-C1D-ND	-3.23	120.26	124.80
16	U	208	BCR	C19-C18-C17	3.23	124.08	119.01
16	f	201	BCR	C38-C26-C25	-3.23	120.97	124.48
14	A	826	CLA	C3C-C4C-NC	3.22	114.56	110.43
14	B	814	CLA	O2A-CGA-CBA	3.22	124.19	114.00
14	a	810	CLA	C4D-C3D-CAD	3.22	111.61	108.11
14	Q	202	CLA	CAA-C2A-C3A	-3.22	104.29	113.00
14	G	805	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	H	835	CLA	O2A-CGA-CBA	3.22	124.18	114.00
14	A	836	CLA	CMA-C3A-C4A	3.22	120.43	111.77
14	b	822	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	a	814	CLA	O2A-CGA-CBA	3.22	124.17	114.00
14	a	805	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	j	1302	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	A	835	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	H	830	CLA	CMD-C2D-C3D	-3.22	120.31	127.69
14	k	102	CLA	O2A-CGA-CBA	3.22	124.17	114.00
14	A	809	CLA	CMA-C3A-C4A	3.22	120.42	111.77
14	a	813	CLA	O2A-CGA-CBA	3.22	124.17	114.00
14	a	826	CLA	CMD-C2D-C3D	-3.22	120.31	127.69
14	G	813	CLA	O2D-CGD-O1D	-3.22	117.59	123.85
15	B	843	PQN	C14-C13-C15	3.22	120.81	115.23
14	G	836	CLA	CHD-C1D-ND	-3.22	120.28	124.80
14	W	1701	CLA	CAA-C2A-C3A	-3.22	104.31	113.00
14	B	823	CLA	O2A-CGA-CBA	3.22	124.16	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	832	CLA	CHD-C1D-ND	-3.22	120.28	124.80
14	x	1701	CLA	CAA-C2A-C3A	-3.22	104.31	113.00
16	H	852	BCR	C36-C18-C17	-3.21	117.61	122.82
14	A	824	CLA	C3C-C4C-NC	3.21	114.55	110.43
14	a	840	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	B	836	CLA	O2A-CGA-CBA	3.21	124.15	114.00
14	b	834	CLA	O2A-CGA-CBA	3.21	124.15	114.00
14	H	827	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	A	808	CLA	CHD-C1D-ND	-3.21	120.28	124.80
16	l	202	BCR	C36-C18-C17	-3.21	117.61	122.82
14	H	831	CLA	CAA-C2A-C3A	-3.21	104.32	113.00
14	G	814	CLA	O2A-CGA-CBA	3.21	124.14	114.00
16	a	849	BCR	C8-C9-C10	3.21	124.06	119.01
14	B	837	CLA	O2A-CGA-CBA	3.21	124.14	114.00
14	Q	202	CLA	O2A-CGA-CBA	3.21	124.14	114.00
14	B	835	CLA	O2A-CGA-CBA	3.21	124.14	114.00
14	H	837	CLA	O2A-CGA-CBA	3.21	124.14	114.00
14	b	825	CLA	CHD-C1D-ND	-3.21	120.29	124.80
16	A	844	BCR	C15-C14-C13	-3.21	122.78	127.28
14	x	1701	CLA	O2A-CGA-CBA	3.21	124.13	114.00
14	A	802	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	G	830	CLA	CMC-C2C-C1C	3.21	130.04	125.03
14	a	817	CLA	O1D-CGD-CBD	-3.20	118.20	124.52
14	A	814	CLA	O2A-CGA-CBA	3.20	124.12	114.00
14	a	807	CLA	CMC-C2C-C1C	3.20	130.04	125.03
14	b	840	CLA	C2B-C1B-NB	3.20	113.65	110.33
16	b	850	BCR	C36-C18-C17	-3.20	117.63	122.82
16	b	845	BCR	C33-C5-C4	3.20	120.42	113.60
14	G	841	CLA	CHD-C1D-ND	-3.20	120.30	124.80
14	A	828	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	b	835	CLA	O2A-CGA-CBA	3.20	124.11	114.00
14	K	1401	CLA	O2A-CGA-CBA	3.20	124.11	114.00
15	A	843	PQN	O4-C4-C5	-3.20	116.45	121.57
14	J	1301	CLA	O2A-CGA-CBA	3.20	124.11	114.00
14	H	802	CLA	OBD-CAD-C3D	-3.20	120.94	128.42
14	b	839	CLA	CHD-C1D-ND	-3.20	120.30	124.80
14	H	823	CLA	O2A-CGA-CBA	3.20	124.11	114.00
14	G	828	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	G	809	CLA	CHD-C1D-ND	-3.20	120.30	124.80
16	B	844	BCR	C2-C1-C6	3.20	115.08	110.44
14	b	833	CLA	O2A-CGA-CBA	3.20	124.10	114.00
14	b	818	CLA	O2A-C1-C2	3.20	120.41	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	829	CLA	CHD-C1D-ND	-3.20	120.30	124.80
14	B	832	CLA	CMD-C2D-C3D	-3.20	120.36	127.69
14	a	816	CLA	C4D-C3D-CAD	3.20	111.58	108.11
14	H	805	CLA	C3C-C4C-NC	3.20	114.52	110.43
14	H	814	CLA	O2A-CGA-CBA	3.20	124.10	114.00
14	Q	201	CLA	C1-O2A-CGA	3.20	124.39	116.65
14	T	102	CLA	O2A-CGA-CBA	3.19	124.09	114.00
16	a	844	BCR	C36-C18-C17	-3.19	117.64	122.82
14	b	814	CLA	CHD-C1D-ND	-3.19	120.31	124.80
14	G	810	CLA	CMD-C2D-C3D	-3.19	120.37	127.69
16	B	852	BCR	C2-C1-C6	3.19	115.08	110.44
14	H	832	CLA	CHD-C1D-ND	-3.19	120.31	124.80
14	b	809	CLA	CAC-C3C-C4C	3.19	128.94	124.79
14	H	811	CLA	CMB-C2B-C1B	3.19	130.28	125.42
16	U	208	BCR	C38-C26-C25	-3.19	121.00	124.48
14	b	805	CLA	CMC-C2C-C1C	3.19	130.02	125.03
14	H	829	CLA	CHD-C1D-ND	-3.19	120.31	124.80
16	b	845	BCR	C33-C5-C6	-3.19	121.00	124.48
14	B	824	CLA	C4D-C3D-CAD	3.19	111.57	108.11
16	A	845	BCR	C36-C18-C17	-3.19	117.66	122.82
14	A	802	CLA	C4-C3-C5	3.18	120.76	115.23
16	B	850	BCR	C38-C26-C25	-3.18	121.01	124.48
14	b	805	CLA	CHD-C1D-ND	-3.18	120.32	124.80
14	H	813	CLA	CAA-C2A-C3A	-3.18	104.39	113.00
16	i	101	BCR	C38-C26-C25	-3.18	121.01	124.48
14	G	818	CLA	CMA-C3A-C4A	3.18	120.33	111.77
14	J	1302	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	X	1701	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	j	1301	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	A	829	CLA	C2B-C1B-NB	3.18	113.63	110.33
14	b	808	CLA	CMB-C2B-C1B	3.18	130.26	125.42
16	B	850	BCR	C19-C18-C17	3.18	124.01	119.01
14	b	812	CLA	CMC-C2C-C1C	3.18	130.00	125.03
14	a	824	CLA	CMC-C2C-C1C	3.18	130.00	125.03
14	m	1202	CLA	CMB-C2B-C1B	3.18	130.26	125.42
14	W	1701	CLA	O2A-CGA-CBA	3.18	124.03	114.00
14	A	804	CLA	CAC-C3C-C4C	3.17	128.92	124.79
16	G	846	BCR	C33-C5-C6	-3.17	121.02	124.48
14	b	820	CLA	O2A-CGA-CBA	3.17	124.03	114.00
14	j	1301	CLA	CAA-C2A-C3A	-3.17	104.42	113.00
14	A	852	CLA	CHD-C1D-ND	-3.17	120.34	124.80
14	a	814	CLA	CMA-C3A-C4A	3.17	120.30	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	846	BCR	C24-C23-C22	-3.17	121.54	126.23
14	a	803	CLA	CMC-C2C-C1C	3.17	129.99	125.03
14	a	813	CLA	CMA-C3A-C4A	3.17	120.29	111.77
14	H	821	CLA	O2A-C1-C2	3.17	120.31	108.11
14	B	823	CLA	CAC-C3C-C4C	3.17	128.91	124.79
14	H	832	CLA	CMD-C2D-C3D	-3.17	120.42	127.69
14	A	812	CLA	C4D-C3D-CAD	3.17	111.55	108.11
14	H	804	CLA	CHD-C1D-ND	-3.17	120.34	124.80
14	B	836	CLA	CHD-C1D-ND	-3.17	120.35	124.80
14	G	851	CLA	CAA-C2A-C3A	-3.17	104.45	113.00
14	B	819	CLA	CAA-C2A-C3A	-3.16	104.45	113.00
16	a	847	BCR	C33-C5-C6	-3.16	121.03	124.48
14	A	830	CLA	CHD-C1D-ND	-3.16	120.35	124.80
14	H	825	CLA	CHD-C1D-ND	-3.16	120.35	124.80
14	H	828	CLA	C9-C8-C7	-3.16	100.00	111.27
14	b	817	CLA	CMA-C3A-C4A	3.16	120.27	111.77
14	B	829	CLA	C1D-ND-C4D	-3.16	104.09	106.31
14	A	821	CLA	OBD-CAD-C3D	-3.16	121.03	128.42
14	b	826	CLA	CHD-C1D-ND	-3.16	120.36	124.80
14	H	832	CLA	O2A-CGA-CBA	3.16	123.98	114.00
14	j	1302	CLA	O2A-CGA-CBA	3.16	123.98	114.00
16	G	843	BCR	C37-C22-C21	-3.16	117.70	122.82
14	G	803	CLA	C4D-C3D-CAD	3.16	111.53	108.11
14	B	806	CLA	CMD-C2D-C1D	3.16	130.29	124.73
16	L	209	BCR	C33-C5-C6	-3.16	121.04	124.48
14	x	1701	CLA	CMA-C3A-C4A	3.15	120.25	111.77
14	A	804	CLA	CMC-C2C-C1C	3.15	129.96	125.03
16	F	202	BCR	C38-C26-C25	-3.15	121.04	124.48
14	b	829	CLA	O2A-CGA-CBA	3.15	123.96	114.00
14	A	838	CLA	CMC-C2C-C1C	3.15	129.96	125.03
14	B	816	CLA	C3D-C4D-ND	3.15	115.11	109.99
14	A	830	CLA	C4D-C3D-CAD	3.15	111.53	108.11
14	H	806	CLA	C2B-C1B-NB	3.15	113.59	110.33
16	G	843	BCR	C15-C14-C13	-3.15	122.86	127.28
14	B	828	CLA	CMA-C3A-C4A	3.15	120.23	111.77
14	A	830	CLA	CMC-C2C-C1C	3.15	129.95	125.03
16	Q	203	BCR	C38-C26-C25	-3.15	121.05	124.48
14	G	810	CLA	O2A-C1-C2	3.15	120.21	108.11
14	a	824	CLA	CMA-C3A-C4A	3.14	120.22	111.77
14	b	801	CLA	CMD-C2D-C1D	3.14	130.26	124.73
14	U	207	CLA	O2A-C1-C2	3.14	120.21	108.11
14	X	1701	CLA	CMA-C3A-C4A	3.14	120.22	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	S	101	CLA	O2A-CGA-CBA	3.14	123.93	114.00
14	B	832	CLA	O2A-CGA-CBA	3.14	123.92	114.00
14	A	824	CLA	CMA-C3A-C4A	3.14	120.21	111.77
14	B	806	CLA	CAC-C3C-C4C	3.14	128.88	124.79
14	B	835	CLA	CMC-C2C-C1C	3.14	129.94	125.03
14	A	840	CLA	C2B-C1B-NB	3.14	113.58	110.33
14	B	811	CLA	CAA-C2A-C3A	-3.14	104.52	113.00
14	A	826	CLA	C4D-C3D-CAD	3.14	111.51	108.11
14	b	808	CLA	C4D-C3D-CAD	3.14	111.51	108.11
14	B	802	CLA	OBD-CAD-C3D	-3.14	121.09	128.42
14	H	801	CLA	C3C-C4C-NC	3.13	114.44	110.43
14	A	852	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
14	a	823	CLA	CAA-C2A-C3A	-3.13	104.53	113.00
16	l	202	BCR	C33-C5-C6	-3.13	121.06	124.48
14	B	805	CLA	O2A-C1-C2	3.13	120.17	108.11
14	b	833	CLA	CHD-C1D-ND	-3.13	120.39	124.80
14	A	836	CLA	CHD-C1D-ND	-3.13	120.39	124.80
14	G	814	CLA	CMA-C3A-C4A	3.13	120.19	111.77
14	b	820	CLA	CMA-C3A-C4A	3.13	120.19	111.77
14	H	831	CLA	O2A-C1-C2	3.13	120.16	108.11
14	H	804	CLA	CMA-C3A-C4A	3.13	120.19	111.77
14	B	819	CLA	C3B-C2B-C1B	-3.13	103.48	107.17
14	B	840	CLA	CAA-C2A-C3A	-3.13	104.54	113.00
14	A	852	CLA	CMB-C2B-C1B	3.13	130.18	125.42
14	a	830	CLA	CMC-C2C-C1C	3.13	129.92	125.03
16	j	1305	BCR	C34-C9-C8	3.13	122.87	118.09
16	A	847	BCR	C33-C5-C6	-3.13	121.07	124.48
14	T	102	CLA	CMA-C3A-C4A	3.13	120.18	111.77
14	W	1701	CLA	CMA-C3A-C4A	3.13	120.18	111.77
14	H	816	CLA	C3D-C4D-ND	3.13	115.07	109.99
16	b	842	BCR	C19-C18-C17	3.13	123.93	119.01
14	B	817	CLA	CAC-C3C-C4C	3.13	128.86	124.79
14	A	824	CLA	C1D-ND-C4D	-3.13	104.12	106.31
14	A	807	CLA	CMC-C2C-C1C	3.12	129.92	125.03
14	H	840	CLA	CAA-C2A-C3A	-3.12	104.56	113.00
16	G	847	BCR	C34-C9-C8	3.12	122.86	118.09
14	G	823	CLA	CAA-C2A-C3A	-3.12	104.56	113.00
14	A	814	CLA	CMA-C3A-C4A	3.12	120.16	111.77
14	A	826	CLA	CHD-C1D-ND	-3.12	120.41	124.80
14	H	816	CLA	C2B-C1B-NB	3.12	113.56	110.33
14	J	1302	CLA	CMA-C3A-C4A	3.12	120.16	111.77
14	H	842	CLA	C2B-C1B-NB	3.12	113.56	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	833	CLA	O2A-CGA-CBA	3.12	123.85	114.00
14	A	822	CLA	O2A-C1-C2	3.12	120.11	108.11
14	H	832	CLA	C4D-C3D-CAD	3.12	111.49	108.11
14	A	812	CLA	OBD-CAD-C3D	-3.12	121.13	128.42
14	B	821	CLA	O2A-C1-C2	3.12	120.10	108.11
16	G	846	BCR	C34-C9-C8	3.12	122.85	118.09
14	A	815	CLA	O2A-CGA-CBA	3.12	123.85	114.00
14	b	810	CLA	CAA-C2A-C3A	-3.12	104.58	113.00
14	G	824	CLA	CMC-C2C-C1C	3.12	129.90	125.03
16	b	844	BCR	C24-C23-C22	-3.11	121.63	126.23
14	A	821	CLA	CMA-C3A-C4A	3.11	120.14	111.77
14	B	816	CLA	CAA-C2A-C3A	-3.11	104.58	113.00
14	K	1401	CLA	CMA-C3A-C4A	3.11	120.14	111.77
14	H	833	CLA	O2A-CGA-CBA	3.11	123.83	114.00
14	k	102	CLA	CMA-C3A-C4A	3.11	120.14	111.77
14	A	807	CLA	C4D-C3D-CAD	3.11	111.49	108.11
14	B	820	CLA	CMA-C3A-C4A	3.11	120.14	111.77
14	G	807	CLA	CHD-C1D-ND	-3.11	120.42	124.80
14	G	830	CLA	C4D-C3D-CAD	3.11	111.48	108.11
14	B	838	CLA	CHD-C1D-ND	-3.11	120.43	124.80
14	G	813	CLA	CMA-C3A-C4A	3.11	120.13	111.77
14	B	804	CLA	CMA-C3A-C4A	3.11	120.13	111.77
14	H	819	CLA	O2A-C1-C2	3.11	120.07	108.11
14	b	830	CLA	O2A-CGA-CBA	3.11	123.82	114.00
16	A	845	BCR	C7-C8-C9	-3.11	121.64	126.23
14	A	839	CLA	C4D-C3D-CAD	3.11	111.48	108.11
14	a	836	CLA	CHD-C1D-ND	-3.11	120.43	124.80
14	G	822	CLA	O2A-C1-C2	3.11	120.06	108.11
14	B	830	CLA	CMD-C2D-C3D	-3.10	120.57	127.69
14	H	808	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
14	G	826	CLA	OBD-CAD-C3D	-3.10	121.16	128.42
14	a	815	CLA	O2A-CGA-CBA	3.10	123.80	114.00
13	a	801	CL0	C2B-C1B-NB	3.10	113.54	110.33
14	a	817	CLA	CMA-C3A-C4A	3.10	120.11	111.77
14	G	834	CLA	O2A-CGA-CBA	3.10	123.80	114.00
14	B	813	CLA	O2A-CGA-CBA	3.10	123.80	114.00
14	B	811	CLA	C4D-C3D-CAD	3.10	111.47	108.11
16	H	850	BCR	C38-C26-C25	-3.10	121.10	124.48
14	G	817	CLA	CBA-CAA-C2A	3.10	123.02	113.79
14	a	822	CLA	O2A-C1-C2	3.10	120.03	108.11
14	H	813	CLA	O2A-CGA-CBA	3.10	123.79	114.00
14	b	828	CLA	O2A-C1-C2	3.10	120.03	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	848	BCR	C34-C9-C8	3.10	122.82	118.09
14	H	823	CLA	CMA-C3A-C4A	3.10	120.09	111.77
14	G	809	CLA	CMA-C3A-C4A	3.10	120.09	111.77
14	B	812	CLA	CHD-C1D-ND	-3.10	120.45	124.80
16	B	847	BCR	C1-C6-C5	-3.10	118.41	122.64
14	G	839	CLA	CHD-C1D-ND	-3.09	120.45	124.80
13	G	801	CL0	C2B-C1B-NB	3.09	113.53	110.33
14	A	816	CLA	C4D-C3D-CAD	3.09	111.47	108.11
14	H	820	CLA	CMA-C3A-C4A	3.09	120.08	111.77
16	a	845	BCR	C7-C8-C9	-3.09	121.66	126.23
16	U	203	BCR	C33-C5-C6	-3.09	121.11	124.48
16	H	847	BCR	C8-C7-C6	3.09	135.26	127.00
14	B	815	CLA	C3C-C4C-NC	3.09	114.39	110.43
14	G	840	CLA	CHD-C1D-ND	-3.09	120.45	124.80
14	G	803	CLA	CMC-C2C-C1C	3.09	129.86	125.03
14	a	822	CLA	CMA-C3A-C4A	3.09	120.08	111.77
14	G	814	CLA	CAA-C2A-C3A	-3.09	104.65	113.00
14	a	807	CLA	CHD-C1D-ND	-3.09	120.46	124.80
14	H	842	CLA	C1-O2A-CGA	3.09	124.12	116.65
14	b	812	CLA	CHD-C1D-ND	-3.09	120.46	124.80
14	a	834	CLA	O2A-CGA-CBA	3.09	123.75	114.00
14	G	807	CLA	CMC-C2C-C1C	3.08	129.85	125.03
14	H	832	CLA	CMC-C2C-C1C	3.08	129.85	125.03
14	Q	201	CLA	O2A-CGA-CBA	3.08	121.24	111.83
14	G	802	CLA	CHD-C1D-ND	-3.08	120.46	124.80
14	A	822	CLA	CMA-C3A-C4A	3.08	120.06	111.77
16	A	848	BCR	C34-C9-C8	3.08	122.80	118.09
14	H	836	CLA	CMB-C2B-C1B	3.08	130.11	125.42
14	H	838	CLA	CMB-C2B-C1B	3.08	130.11	125.42
16	G	844	BCR	C36-C18-C17	-3.08	117.83	122.82
16	A	849	BCR	C34-C9-C10	-3.08	117.83	122.82
14	a	824	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	b	825	CLA	CMA-C3A-C4A	3.08	120.05	111.77
14	F	201	CLA	C1-O2A-CGA	3.08	124.11	116.65
14	B	806	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
14	A	831	CLA	C1-C2-C3	-3.08	121.15	126.20
14	H	819	CLA	CAA-C2A-C3A	-3.08	104.68	113.00
14	G	817	CLA	C4A-NA-C1A	3.08	108.08	106.68
14	b	829	CLA	C4A-NA-C1A	3.08	108.08	106.68
14	b	835	CLA	CAA-C2A-C3A	-3.08	104.68	113.00
16	H	846	BCR	C24-C23-C22	-3.08	121.68	126.23
14	b	808	CLA	CAA-C2A-C3A	-3.08	104.69	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	805	CLA	C3C-C4C-NC	3.08	114.37	110.43
14	L	201	CLA	CHD-C1D-ND	-3.08	120.47	124.80
14	b	810	CLA	O2A-CGA-CBA	3.08	123.72	114.00
14	b	814	CLA	CAC-C3C-C4C	3.08	128.79	124.79
14	V	1601	CLA	CMA-C3A-C4A	3.08	120.04	111.77
14	a	852	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
14	H	826	CLA	C1D-ND-C4D	-3.08	104.15	106.31
14	a	852	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	B	805	CLA	CAA-C2A-C3A	-3.07	104.69	113.00
14	b	827	CLA	C1D-ND-C4D	-3.07	104.16	106.31
14	G	818	CLA	CHD-C1D-ND	-3.07	120.48	124.80
14	H	828	CLA	CMA-C3A-C4A	3.07	120.03	111.77
14	H	806	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	H	831	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	H	826	CLA	O2A-CGA-CBA	3.07	121.20	111.83
14	l	205	CLA	O2A-C1-C2	3.07	119.92	108.11
14	a	838	CLA	CHD-C1D-ND	-3.07	120.48	124.80
14	b	838	CLA	CAA-C2A-C3A	-3.07	104.70	113.00
14	B	817	CLA	O2A-CGA-CBA	3.07	123.70	114.00
14	b	829	CLA	CMD-C2D-C3D	-3.07	120.65	127.69
14	a	813	CLA	O1D-CGD-CBD	-3.07	118.47	124.52
14	a	807	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	H	810	CLA	O2A-C1-C2	3.07	119.91	108.11
14	b	828	CLA	CAA-C2A-C3A	-3.07	104.71	113.00
16	a	846	BCR	C34-C9-C8	3.06	122.77	118.09
16	b	848	BCR	C34-C9-C10	-3.06	117.85	122.82
14	H	817	CLA	O2A-CGA-CBA	3.06	123.68	114.00
14	m	1202	CLA	CMA-C3A-C4A	3.06	120.01	111.77
14	H	827	CLA	CMB-C2B-C3B	3.06	133.76	126.55
14	A	803	CLA	CMC-C2C-C1C	3.06	129.82	125.03
14	G	824	CLA	C2B-C1B-NB	3.06	113.50	110.33
14	a	807	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
16	H	850	BCR	C19-C18-C17	3.06	123.82	119.01
14	G	831	CLA	C1-C2-C3	-3.06	121.18	126.20
16	H	847	BCR	C4-C5-C6	-3.06	118.57	122.70
14	a	828	CLA	C2B-C1B-NB	3.06	113.50	110.33
16	H	847	BCR	C38-C26-C27	3.06	120.12	113.60
16	G	848	BCR	C34-C9-C10	-3.06	117.86	122.82
14	H	805	CLA	C4D-C3D-CAD	3.06	111.43	108.11
14	a	825	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
16	b	845	BCR	C4-C5-C6	-3.06	118.57	122.70
14	A	807	CLA	CHD-C1D-ND	-3.06	120.50	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	201	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	a	841	CLA	C2B-C1B-NB	3.05	113.49	110.33
16	b	847	BCR	C33-C5-C6	-3.05	121.15	124.48
16	F	202	BCR	C37-C22-C21	-3.05	117.87	122.82
14	A	813	CLA	CMA-C3A-C4A	3.05	119.98	111.77
13	A	801	CL0	C2D-C1D-ND	3.05	113.15	110.13
17	a	851	LHG	O8-C23-C24	3.05	120.42	111.15
14	G	840	CLA	C2B-C1B-NB	3.05	113.49	110.33
14	a	823	CLA	CMA-C3A-C4A	3.05	119.97	111.77
16	a	845	BCR	C30-C25-C24	3.05	123.92	115.65
14	A	822	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	R	101	CLA	CHD-C1D-ND	-3.05	120.51	124.80
14	b	814	CLA	O2A-CGA-CBA	3.05	123.63	114.00
16	a	849	BCR	C34-C9-C10	-3.05	117.88	122.82
14	A	840	CLA	CAC-C3C-C4C	3.05	128.75	124.79
14	G	807	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	M	1601	CLA	CMA-C3A-C4A	3.04	119.96	111.77
14	G	815	CLA	O2A-CGA-CBA	3.04	123.62	114.00
14	H	826	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
16	b	847	BCR	C28-C27-C26	-3.04	108.63	114.06
14	B	836	CLA	CMB-C2B-C1B	3.04	130.05	125.42
14	B	842	CLA	CMB-C2B-C1B	3.04	130.05	125.42
16	b	844	BCR	C36-C18-C17	-3.04	117.89	122.82
14	S	102	CLA	CMA-C3A-C4A	3.04	119.95	111.77
14	G	823	CLA	CMA-C3A-C4A	3.04	119.95	111.77
16	U	203	BCR	C29-C30-C25	3.04	114.86	110.44
14	b	804	CLA	C3C-C4C-NC	3.04	114.32	110.43
14	b	831	CLA	CAC-C3C-C4C	3.04	128.74	124.79
14	H	806	CLA	C3C-C4C-NC	3.04	114.32	110.43
14	B	837	CLA	CAA-C2A-C3A	-3.04	104.79	113.00
14	J	1303	CLA	CMA-C3A-C4A	3.04	119.94	111.77
14	G	822	CLA	CMA-C3A-C4A	3.04	119.94	111.77
14	A	834	CLA	O2A-CGA-CBA	3.04	123.60	114.00
14	H	815	CLA	CHD-C1D-ND	-3.04	120.53	124.80
16	b	848	BCR	C19-C18-C17	3.04	123.78	119.01
15	G	842	PQN	C11-C3-C2	-3.04	119.69	124.89
14	A	823	CLA	CAA-C2A-C3A	-3.04	104.80	113.00
16	A	847	BCR	C34-C9-C8	3.03	122.72	118.09
14	S	101	CLA	CMA-C3A-C4A	3.03	119.93	111.77
14	a	803	CLA	C4D-C3D-CAD	3.03	111.40	108.11
14	A	810	CLA	CMD-C2D-C3D	-3.03	120.73	127.69
16	B	852	BCR	C36-C18-C17	-3.03	117.90	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	807	CLA	O2A-C1-C2	3.03	119.77	108.11
14	A	823	CLA	CMA-C3A-C4A	3.03	119.92	111.77
14	H	829	CLA	CAA-C2A-C3A	-3.03	104.81	113.00
14	G	824	CLA	CMA-C3A-C4A	3.03	119.92	111.77
14	H	824	CLA	C4D-C3D-CAD	3.03	111.40	108.11
14	B	817	CLA	CMB-C2B-C1B	3.03	130.03	125.42
14	H	837	CLA	CAA-C2A-C3A	-3.03	104.81	113.00
14	B	823	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
16	A	847	BCR	C30-C25-C24	3.03	123.86	115.65
14	B	821	CLA	CMC-C2C-C3C	3.03	134.34	126.15
14	H	807	CLA	CMB-C2B-C3B	3.03	133.67	126.55
14	a	841	CLA	CHD-C1D-ND	-3.03	120.54	124.80
14	F	201	CLA	O2A-CGA-CBA	3.03	121.06	111.83
17	A	851	LHG	O8-C23-C24	3.02	120.33	111.15
14	H	832	CLA	C2B-C1B-NB	3.02	113.46	110.33
14	b	826	CLA	CAA-C2A-C3A	-3.02	104.83	113.00
14	a	831	CLA	C1-C2-C3	-3.02	121.25	126.20
14	H	811	CLA	CBA-CAA-C2A	3.02	122.78	113.79
16	B	847	BCR	C33-C5-C4	3.02	120.04	113.60
14	A	814	CLA	CAA-C2A-C3A	-3.02	104.83	113.00
14	A	821	CLA	CBC-CAC-C3C	-3.02	104.23	112.42
14	A	829	CLA	CMB-C2B-C1B	3.02	130.02	125.42
14	G	832	CLA	CHD-C1D-ND	-3.02	120.55	124.80
16	A	844	BCR	C37-C22-C21	-3.02	117.92	122.82
14	a	814	CLA	CAA-C2A-C3A	-3.02	104.84	113.00
16	H	848	BCR	C33-C5-C4	3.02	120.03	113.60
14	H	811	CLA	CAA-C2A-C3A	-3.02	104.84	113.00
14	a	838	CLA	CMA-C3A-C4A	3.02	119.89	111.77
14	B	827	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
16	H	846	BCR	C1-C6-C5	-3.02	118.51	122.64
16	B	845	BCR	C38-C26-C25	-3.02	121.19	124.48
14	H	822	CLA	C3C-C4C-NC	3.02	114.29	110.43
14	a	852	CLA	CHD-C1D-ND	-3.02	120.56	124.80
16	a	844	BCR	C37-C22-C21	-3.02	117.93	122.82
14	B	811	CLA	CBA-CAA-C2A	3.02	122.76	113.79
14	A	817	CLA	CMA-C3A-C4A	3.01	119.88	111.77
14	b	814	CLA	CMB-C2B-C1B	3.01	130.01	125.42
14	G	807	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
14	a	841	CLA	CAC-C3C-C4C	3.01	128.71	124.79
16	H	847	BCR	C27-C26-C25	-3.01	118.63	122.70
16	G	846	BCR	C30-C25-C24	3.01	123.82	115.65
14	b	812	CLA	C3C-C4C-NC	3.01	114.29	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	831	CLA	O2A-C1-C2	3.01	119.69	108.11
16	B	844	BCR	C19-C18-C17	3.01	123.74	119.01
17	G	850	LHG	O8-C23-C24	3.01	120.28	111.15
14	b	824	CLA	O2A-CGA-CBA	3.01	123.50	112.14
14	B	829	CLA	CAC-C3C-C4C	3.01	128.70	124.79
14	A	818	CLA	CMA-C3A-C4A	3.01	119.85	111.77
14	j	1303	CLA	CMA-C3A-C4A	3.01	119.85	111.77
14	H	807	CLA	CHB-C4A-NA	3.01	128.74	124.40
14	j	1302	CLA	CMA-C3A-C4A	3.00	119.85	111.77
14	a	802	CLA	CAA-C2A-C3A	-3.00	104.88	113.00
14	H	835	CLA	CMC-C2C-C1C	3.00	129.73	125.03
14	H	841	CLA	C4D-C3D-CAD	3.00	111.37	108.11
14	J	1301	CLA	CAA-C2A-C3A	-3.00	104.88	113.00
14	a	842	CLA	CMA-C3A-C4A	3.00	119.85	111.77
16	B	847	BCR	C27-C26-C25	-3.00	118.64	122.70
14	G	821	CLA	CMA-C3A-C4A	3.00	119.84	111.77
14	B	810	CLA	O2A-C1-C2	3.00	119.66	108.11
14	H	804	CLA	CED-O2D-CGD	3.00	122.73	115.92
14	m	1201	CLA	CMC-C2C-C1C	3.00	129.72	125.03
14	H	826	CLA	OBD-CAD-C3D	3.00	135.43	128.42
14	A	824	CLA	O2A-C1-C2	3.00	119.66	108.11
14	b	824	CLA	CMB-C2B-C3B	3.00	133.61	126.55
14	B	827	CLA	O2A-CGA-CBA	3.00	123.48	112.14
14	G	840	CLA	CMA-C3A-C4A	3.00	119.84	111.77
16	b	845	BCR	C8-C7-C6	3.00	135.01	127.00
14	a	818	CLA	CMA-C3A-C4A	3.00	119.84	111.77
14	A	813	CLA	CMC-C2C-C1C	3.00	129.72	125.03
14	A	810	CLA	C2B-C1B-NB	3.00	113.44	110.33
14	H	827	CLA	O2A-CGA-CBA	3.00	123.47	112.14
16	B	847	BCR	C38-C26-C27	3.00	119.99	113.60
16	b	845	BCR	C38-C26-C27	3.00	119.99	113.60
14	U	205	CLA	CHD-C1D-ND	-3.00	120.58	124.80
14	B	822	CLA	C3C-C4C-NC	3.00	114.27	110.43
14	U	206	CLA	O2A-C1-C2	3.00	119.64	108.11
14	J	1302	CLA	CAA-C2A-C3A	-3.00	104.90	113.00
16	f	201	BCR	C37-C22-C21	-3.00	117.96	122.82
14	G	816	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	a	830	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	A	852	CLA	C4D-C3D-CAD	2.99	111.36	108.11
14	B	806	CLA	CAA-C2A-C3A	-2.99	104.91	113.00
14	a	812	CLA	CAA-C2A-C3A	-2.99	104.91	113.00
14	b	831	CLA	C4D-C3D-CAD	2.99	111.36	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	O2A-C1-C2	2.99	119.63	108.11
16	B	847	BCR	C8-C7-C6	2.99	134.99	127.00
14	A	840	CLA	CHD-C1D-ND	-2.99	120.59	124.80
14	H	801	CLA	CMC-C2C-C1C	2.99	129.71	125.03
14	a	810	CLA	C2B-C1B-NB	2.99	113.43	110.33
14	U	207	CLA	CAA-C2A-C3A	-2.99	104.91	113.00
14	L	204	CLA	CHD-C1D-ND	-2.99	120.59	124.80
14	a	824	CLA	O2A-C1-C2	2.99	119.62	108.11
14	A	821	CLA	CMC-C2C-C1C	2.99	129.71	125.03
16	a	847	BCR	C30-C25-C24	2.99	123.76	115.65
14	a	821	CLA	CMC-C2C-C1C	2.99	129.70	125.03
14	H	836	CLA	CMA-C3A-C4A	2.99	119.80	111.77
16	H	845	BCR	C38-C26-C25	-2.99	121.22	124.48
14	H	817	CLA	CMA-C3A-C4A	2.99	119.80	111.77
14	Q	201	CLA	CHD-C1D-ND	-2.99	120.60	124.80
14	L	204	CLA	O2D-CGD-O1D	-2.99	118.04	123.85
14	b	833	CLA	CMC-C2C-C1C	2.99	129.70	125.03
14	G	806	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	H	807	CLA	CMA-C3A-C4A	-2.98	103.75	111.77
14	G	824	CLA	O2A-C1-C2	2.98	119.59	108.11
16	L	207	BCR	C38-C26-C25	-2.98	121.23	124.48
14	b	814	CLA	CMA-C3A-C4A	2.98	119.79	111.77
14	A	807	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	A	842	CLA	CMA-C3A-C4A	2.98	119.79	111.77
16	A	849	BCR	C38-C26-C27	2.98	119.95	113.60
14	A	806	CLA	CMC-C2C-C1C	2.98	129.69	125.03
14	A	839	CLA	CHD-C1D-ND	-2.98	120.61	124.80
14	B	836	CLA	CMA-C3A-C4A	2.98	119.78	111.77
16	b	845	BCR	C27-C26-C25	-2.98	118.68	122.70
16	b	844	BCR	C1-C6-C5	-2.98	118.56	122.64
14	b	839	CLA	C1-O2A-CGA	2.98	123.86	116.65
16	B	848	BCR	C30-C25-C26	-2.98	118.57	122.64
14	b	834	CLA	CMB-C2B-C1B	2.98	129.95	125.42
16	L	207	BCR	C7-C8-C9	-2.98	121.83	126.23
14	H	817	CLA	CMB-C2B-C1B	2.97	129.95	125.42
14	A	802	CLA	CAA-C2A-C3A	-2.97	104.97	113.00
16	B	846	BCR	C1-C6-C5	-2.97	118.58	122.64
14	a	821	CLA	C4D-C3D-CAD	2.97	111.33	108.11
14	G	815	CLA	C3D-C4D-ND	2.97	114.81	109.99
14	a	810	CLA	CMD-C2D-C3D	-2.97	120.88	127.69
14	a	827	CLA	C4D-C3D-CAD	2.97	111.33	108.11
14	H	827	CLA	O2D-CGD-O1D	-2.97	118.07	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	828	CLA	CMC-C2C-C1C	2.97	129.67	125.03
14	b	824	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
14	A	809	CLA	C4D-C3D-CAD	2.97	111.33	108.11
16	H	847	BCR	C38-C26-C25	-2.97	121.25	124.48
16	a	847	BCR	C34-C9-C8	2.96	122.62	118.09
16	Q	203	BCR	C37-C22-C21	-2.96	118.02	122.82
14	a	813	CLA	CMC-C2C-C1C	2.96	129.66	125.03
14	B	842	CLA	C1-O2A-CGA	2.96	123.82	116.65
14	b	819	CLA	CMC-C2C-C1C	2.96	129.66	125.03
14	H	804	CLA	CMB-C2B-C3B	2.96	133.51	126.55
14	B	807	CLA	CMC-C2C-C1C	2.96	129.66	125.03
14	l	203	CLA	CHD-C1D-ND	-2.96	120.64	124.80
16	U	202	BCR	C33-C5-C6	-2.96	121.25	124.48
14	A	840	CLA	CMA-C3A-C4A	2.96	119.73	111.77
14	H	814	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
16	H	850	BCR	C34-C9-C8	2.96	122.61	118.09
14	a	810	CLA	O2A-C1-C2	2.96	119.49	108.11
14	b	836	CLA	CMB-C2B-C1B	2.96	129.92	125.42
14	A	824	CLA	CMC-C2C-C1C	2.96	129.66	125.03
14	G	809	CLA	C4D-C3D-CAD	2.96	111.32	108.11
14	B	810	CLA	CMC-C2C-C1C	2.96	129.66	125.03
16	A	845	BCR	C30-C25-C24	2.96	123.67	115.65
16	B	848	BCR	C33-C5-C4	2.96	119.90	113.60
14	G	812	CLA	O2A-C1-C2	2.96	119.49	108.11
14	G	806	CLA	CMC-C2C-C1C	2.96	129.65	125.03
14	G	833	CLA	C4D-C3D-CAD	2.96	111.32	108.11
14	G	805	CLA	CMC-C2C-C1C	2.96	129.65	125.03
14	G	821	CLA	CMC-C2C-C1C	2.96	129.65	125.03
14	G	828	CLA	C4D-C3D-CAD	2.96	111.32	108.11
14	a	828	CLA	C3C-C4C-NC	2.95	114.22	110.43
14	A	812	CLA	O2A-C1-C2	2.95	119.48	108.11
14	H	806	CLA	CAA-C2A-C3A	-2.95	105.02	113.00
14	H	834	CLA	CHD-C1D-ND	-2.95	120.64	124.80
17	a	850	LHG	O8-C23-C24	2.95	120.84	111.83
16	L	209	BCR	C29-C30-C25	2.95	114.73	110.44
14	U	201	CLA	CMA-C3A-C4A	2.95	119.71	111.77
16	b	846	BCR	C34-C9-C8	2.95	122.60	118.09
14	B	817	CLA	CMA-C3A-C4A	2.95	119.71	111.77
14	H	807	CLA	C1-C2-C3	-2.95	121.98	126.76
16	b	848	BCR	C7-C8-C9	-2.95	121.87	126.23
14	H	808	CLA	C1C-C2C-C3C	-2.95	103.88	106.98
14	B	841	CLA	C4D-C3D-CAD	2.95	111.31	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	850	BCR	C32-C1-C6	-2.95	105.62	110.24
14	a	816	CLA	C1-O2A-CGA	2.95	123.79	116.65
14	a	812	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	B	808	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	b	831	CLA	CMB-C2B-C1B	2.95	129.91	125.42
14	a	827	CLA	CMC-C2C-C1C	2.95	129.64	125.03
16	b	846	BCR	C33-C5-C4	2.95	119.88	113.60
14	b	804	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	A	812	CLA	CED-O2D-CGD	-2.95	109.23	115.92
14	a	841	CLA	CMA-C3A-C4A	2.94	119.69	111.77
16	m	1203	BCR	C38-C26-C25	-2.94	121.27	124.48
14	B	829	CLA	CAA-C2A-C3A	-2.94	105.05	113.00
14	A	826	CLA	OBD-CAD-C3D	-2.94	121.54	128.42
14	b	816	CLA	C1-C2-C3	-2.94	121.38	126.20
14	H	830	CLA	CHD-C1D-ND	-2.94	120.66	124.80
14	a	803	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	G	803	CLA	CHD-C1D-ND	-2.94	120.67	124.80
14	a	826	CLA	OBD-CAD-C3D	-2.94	121.55	128.42
14	a	804	CLA	CMC-C2C-C1C	2.94	129.63	125.03
14	a	829	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	Q	202	CLA	CHD-C1D-ND	-2.94	120.67	124.80
14	Q	202	CLA	C3C-C4C-NC	2.94	114.19	110.43
16	b	843	BCR	C38-C26-C25	-2.94	121.28	124.48
14	G	841	CLA	CMA-C3A-C4A	2.94	119.67	111.77
14	a	833	CLA	CMC-C2C-C1C	2.94	129.62	125.03
16	G	844	BCR	C7-C8-C9	-2.94	121.89	126.23
14	a	812	CLA	O2A-C1-C2	2.94	119.41	108.11
14	R	101	CLA	CMA-C3A-C4A	2.94	119.66	111.77
14	G	824	CLA	CHD-C1D-ND	-2.94	120.67	124.80
14	H	814	CLA	CMC-C2C-C1C	2.94	129.62	125.03
14	G	827	CLA	C4D-C3D-CAD	2.94	111.29	108.11
14	B	837	CLA	CMB-C2B-C1B	2.93	129.89	125.42
14	M	1601	CLA	CMB-C2B-C1B	2.93	129.89	125.42
14	H	806	CLA	CMC-C2C-C1C	2.93	129.62	125.03
16	B	845	BCR	C34-C9-C8	2.93	122.57	118.09
14	B	833	CLA	C4D-C3D-CAD	2.93	111.29	108.11
16	l	202	BCR	C29-C30-C25	2.93	114.70	110.44
14	a	834	CLA	CMA-C3A-C4A	2.93	119.66	111.77
14	A	817	CLA	O1D-CGD-CBD	-2.93	118.73	124.52
16	G	844	BCR	C30-C25-C24	2.93	123.61	115.65
14	b	834	CLA	CAC-C3C-C4C	2.93	128.60	124.79
14	H	839	CLA	CMB-C2B-C3B	2.93	133.44	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	810	CLA	CMC-C2C-C1C	2.93	129.62	125.03
14	B	823	CLA	CMC-C2C-C1C	2.93	129.61	125.03
14	l	204	CLA	O2A-C1-C2	2.93	119.38	108.11
14	G	840	CLA	CAA-C2A-C3A	-2.93	105.08	113.00
16	A	846	BCR	C3-C4-C5	-2.93	108.83	114.06
16	J	1305	BCR	C33-C5-C6	-2.93	121.29	124.48
14	H	838	CLA	CMA-C3A-C4A	2.93	119.65	111.77
14	b	829	CLA	CMC-C2C-C1C	2.93	129.61	125.03
14	G	851	CLA	CMD-C2D-C1D	2.93	129.88	124.73
14	A	829	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	G	816	CLA	C1-O2A-CGA	2.93	123.74	116.65
14	b	830	CLA	C4D-C3D-CAD	2.93	111.28	108.11
14	b	819	CLA	CMA-C3A-C4A	2.92	119.63	111.77
14	F	201	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	B	832	CLA	CMC-C2C-C1C	2.92	129.60	125.03
14	B	803	CLA	C4-C3-C5	2.92	120.30	115.23
14	B	819	CLA	CMB-C2B-C1B	2.92	129.87	125.42
16	b	843	BCR	C34-C9-C8	2.92	122.55	118.09
14	b	829	CLA	C1D-ND-C4D	-2.92	104.26	106.31
14	b	805	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	H	848	BCR	C34-C9-C8	2.92	122.55	118.09
14	a	833	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	H	807	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	b	816	CLA	CAA-C2A-C3A	-2.92	105.11	113.00
16	l	206	BCR	C38-C26-C25	-2.92	121.30	124.48
14	A	817	CLA	CBA-CAA-C2A	2.92	122.48	113.79
14	H	823	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	G	817	CLA	CMA-C3A-C4A	2.92	119.62	111.77
14	L	206	CLA	CAA-C2A-C3A	-2.92	105.11	113.00
14	G	806	CLA	CMA-C3A-C4A	2.92	119.62	111.77
14	B	826	CLA	CAC-C3C-C4C	2.92	128.59	124.79
14	a	809	CLA	C4D-C3D-CAD	2.92	111.27	108.11
14	H	815	CLA	CMB-C2B-C1B	2.92	129.86	125.42
14	H	825	CLA	CMA-C3A-C4A	2.92	119.61	111.77
14	b	820	CLA	O2D-CGD-O1D	-2.91	118.17	123.85
16	B	848	BCR	C29-C30-C25	2.91	114.67	110.44
14	L	201	CLA	CMA-C3A-C4A	2.91	119.61	111.77
14	A	828	CLA	CHD-C1D-ND	-2.91	120.70	124.80
14	G	808	CLA	CMA-C3A-C4A	2.91	119.60	111.77
14	H	836	CLA	CAC-C3C-C4C	2.91	128.58	124.79
16	B	846	BCR	C24-C23-C22	-2.91	121.93	126.23
14	A	806	CLA	C4D-C3D-CAD	2.91	111.27	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	205	CLA	CAA-C2A-C3A	-2.91	105.14	113.00
16	H	852	BCR	C32-C1-C6	-2.91	105.68	110.24
14	B	834	CLA	CHD-C1D-ND	-2.91	120.71	124.80
14	A	816	CLA	C1-O2A-CGA	2.91	123.69	116.65
16	Q	203	BCR	C35-C13-C14	-2.91	118.10	122.82
14	B	801	CLA	CHD-C4C-NC	-2.91	119.72	124.23
14	H	822	CLA	CMA-C3A-C4A	2.91	119.59	111.77
14	b	809	CLA	CHD-C1D-ND	-2.91	120.71	124.80
16	H	850	BCR	C34-C9-C10	-2.91	118.11	122.82
14	H	805	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	l	203	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
16	M	1602	BCR	C38-C26-C25	-2.91	121.31	124.48
16	A	848	BCR	C37-C22-C21	-2.91	118.11	122.82
16	H	845	BCR	C19-C18-C17	2.91	123.58	119.01
14	H	831	CLA	CMC-C2C-C1C	2.91	129.57	125.03
16	A	846	BCR	C19-C18-C17	2.90	123.58	119.01
14	A	834	CLA	CMA-C3A-C4A	2.90	119.58	111.77
14	H	825	CLA	C3D-C4D-ND	2.90	114.71	109.99
13	A	801	CL0	C2B-C1B-NB	2.90	113.34	110.33
16	H	849	BCR	C33-C5-C6	-2.90	121.31	124.48
16	G	848	BCR	C38-C26-C27	2.90	119.79	113.60
14	b	813	CLA	C3D-C4D-ND	2.90	114.71	109.99
14	A	804	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	X	1701	CLA	C4D-C3D-CAD	2.90	111.26	108.11
14	B	840	CLA	CMA-C3A-C4A	2.90	119.57	111.77
14	Q	201	CLA	CMB-C2B-C1B	2.90	129.84	125.42
16	a	846	BCR	C3-C4-C5	-2.90	108.88	114.06
14	B	802	CLA	C1-O2A-CGA	2.90	123.67	116.65
14	a	836	CLA	CMC-C2C-C1C	2.90	129.56	125.03
14	G	828	CLA	CHD-C1D-ND	-2.90	120.72	124.80
16	B	850	BCR	C34-C9-C10	-2.90	118.12	122.82
14	a	824	CLA	C4D-C3D-CAD	2.90	111.25	108.11
14	B	827	CLA	C4D-C3D-CAD	2.90	111.25	108.11
14	G	837	CLA	CAA-C2A-C3A	-2.90	105.17	113.00
17	G	849	LHG	O8-C23-C24	2.90	120.67	111.83
14	H	811	CLA	C4D-C3D-CAD	2.90	111.25	108.11
14	R	101	CLA	O2A-C1-C2	2.90	119.26	108.11
14	H	805	CLA	CAA-C2A-C3A	-2.90	105.17	113.00
14	a	832	CLA	CHD-C1D-ND	-2.89	120.73	124.80
14	b	807	CLA	CMC-C2C-C1C	2.89	129.56	125.03
14	B	836	CLA	CAC-C3C-C4C	2.89	128.55	124.79
14	H	817	CLA	CAC-C3C-C4C	2.89	128.55	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	j	1302	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
16	l	202	BCR	C1-C6-C5	-2.89	118.69	122.64
14	b	826	CLA	CMC-C2C-C1C	2.89	129.55	125.03
14	G	838	CLA	C4D-C3D-CAD	2.89	111.25	108.11
16	V	1602	BCR	C38-C26-C25	-2.89	121.33	124.48
16	B	848	BCR	C34-C9-C8	2.89	122.50	118.09
16	f	201	BCR	C36-C18-C17	-2.89	118.14	122.82
16	G	846	BCR	C38-C26-C27	2.89	119.76	113.60
16	G	845	BCR	C34-C9-C8	2.89	122.50	118.09
14	G	812	CLA	OBD-CAD-C3D	-2.89	121.66	128.42
16	b	845	BCR	C38-C26-C25	-2.89	121.33	124.48
14	a	812	CLA	CHD-C4C-C3C	-2.89	120.56	124.77
16	L	209	BCR	C1-C6-C5	-2.89	118.69	122.64
14	a	837	CLA	CAA-C2A-C3A	-2.89	105.19	113.00
14	A	818	CLA	CBA-CAA-C2A	2.89	122.39	113.79
14	B	825	CLA	C3D-C4D-ND	2.89	114.68	109.99
14	b	827	CLA	CMA-C3A-C4A	2.89	119.53	111.77
14	B	822	CLA	CMC-C2C-C1C	2.89	129.54	125.03
14	b	835	CLA	CMB-C2B-C1B	2.89	129.81	125.42
16	a	847	BCR	C38-C26-C27	2.89	119.75	113.60
14	G	821	CLA	CBC-CAC-C3C	-2.89	104.60	112.42
16	A	847	BCR	C38-C26-C27	2.89	119.75	113.60
14	A	852	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	L	207	BCR	C36-C18-C17	-2.88	118.14	122.82
14	a	852	CLA	CHB-C4A-NA	2.88	128.56	124.40
14	B	815	CLA	CMC-C2C-C1C	2.88	129.54	125.03
14	b	801	CLA	CHD-C4C-NC	-2.88	119.76	124.23
14	A	816	CLA	O2A-C1-C2	2.88	119.19	108.11
16	G	845	BCR	C3-C4-C5	-2.88	108.92	114.06
14	b	801	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	a	832	CLA	CMB-C2B-C1B	2.88	129.81	125.42
14	b	808	CLA	CBA-CAA-C2A	2.88	122.36	113.79
14	H	813	CLA	C4D-C3D-CAD	2.88	111.23	108.11
14	H	823	CLA	CMC-C2C-C1C	2.88	129.53	125.03
16	A	846	BCR	C34-C9-C8	2.88	122.48	118.09
14	B	842	CLA	C2B-C1B-NB	2.88	113.31	110.33
16	F	202	BCR	C36-C18-C17	-2.88	118.16	122.82
16	Q	203	BCR	C36-C18-C17	-2.88	118.16	122.82
14	H	833	CLA	C4D-C3D-CAD	2.88	111.23	108.11
14	B	814	CLA	CAA-C2A-C3A	-2.87	105.23	113.00
14	b	821	CLA	CMC-C2C-C1C	2.87	129.53	125.03
14	H	811	CLA	O2D-CGD-O1D	-2.87	118.25	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	833	CLA	CHD-C1D-ND	-2.87	120.76	124.80
16	H	845	BCR	C34-C9-C8	2.87	122.48	118.09
14	a	836	CLA	C6-C5-C3	-2.87	106.47	113.47
14	G	833	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	G	812	CLA	C4D-C3D-CAD	2.87	111.22	108.11
14	a	812	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	a	834	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	U	205	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	b	816	CLA	OBD-CAD-C3D	-2.87	121.71	128.42
14	M	1601	CLA	C3C-C4C-NC	2.87	114.11	110.43
14	a	808	CLA	CMA-C3A-C4A	2.87	119.48	111.77
14	a	827	CLA	CAC-C3C-C4C	2.87	128.52	124.79
14	B	814	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	H	840	CLA	CMA-C3A-C4A	2.87	119.48	111.77
14	b	804	CLA	O2A-C1-C2	2.87	119.14	108.11
16	H	844	BCR	C2-C1-C6	2.87	114.60	110.44
14	b	832	CLA	CHD-C1D-ND	-2.87	120.77	124.80
16	G	848	BCR	C1-C6-C7	2.87	123.42	115.65
14	A	827	CLA	CMC-C2C-C1C	2.87	129.51	125.03
14	b	822	CLA	C3D-C4D-ND	2.86	114.64	109.99
14	H	835	CLA	C4D-C3D-CAD	2.86	111.22	108.11
14	m	1201	CLA	C1-C2-C3	-2.86	122.13	126.76
14	A	805	CLA	CMB-C2B-C1B	2.86	129.78	125.42
13	A	801	CL0	O2A-C1-C2	2.86	119.13	108.11
14	A	833	CLA	CMC-C2C-C1C	2.86	129.51	125.03
14	G	832	CLA	CMB-C2B-C1B	2.86	129.78	125.42
14	b	804	CLA	CMC-C2C-C1C	2.86	129.51	125.03
14	H	837	CLA	CMB-C2B-C1B	2.86	129.78	125.42
14	H	820	CLA	CBA-CAA-C2A	2.86	122.30	113.79
14	b	824	CLA	C4D-C3D-CAD	2.86	111.21	108.11
14	b	840	CLA	C1-O2A-CGA	2.86	123.57	116.65
14	A	808	CLA	CMA-C3A-C4A	2.86	119.46	111.77
13	a	801	CL0	O2A-C1-C2	2.86	119.11	108.11
14	B	830	CLA	CHD-C1D-ND	-2.86	120.78	124.80
16	B	847	BCR	C38-C26-C25	-2.86	121.37	124.48
14	H	839	CLA	CMC-C2C-C1C	2.86	129.50	125.03
14	b	801	CLA	CMC-C2C-C1C	2.86	129.50	125.03
14	b	818	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	H	826	CLA	C4A-NA-C1A	-2.86	105.38	106.68
16	G	845	BCR	C34-C9-C10	-2.86	118.19	122.82
14	H	808	CLA	C3C-C4C-NC	2.85	114.09	110.43
14	A	832	CLA	CMB-C2B-C1B	2.85	129.76	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	818	CLA	CMA-C3A-C4A	2.85	119.44	111.77
14	G	829	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	H	830	CLA	CMA-C3A-C4A	2.85	119.44	111.77
16	S	104	BCR	C28-C27-C26	-2.85	108.97	114.06
14	a	804	CLA	C4-C3-C5	2.85	120.18	115.23
14	A	837	CLA	CAA-C2A-C3A	-2.85	105.29	113.00
14	B	830	CLA	CMA-C3A-C4A	2.85	119.44	111.77
14	a	813	CLA	C4D-C3D-CAD	2.85	111.20	108.11
16	b	843	BCR	C7-C8-C9	-2.85	122.02	126.23
14	A	820	CLA	CAC-C3C-C4C	2.85	128.50	124.79
14	B	822	CLA	CMA-C3A-C4A	2.85	119.44	111.77
14	b	813	CLA	CAA-C2A-C3A	-2.85	105.29	113.00
14	A	835	CLA	C1-C2-C3	-2.85	122.15	126.76
14	a	818	CLA	CBA-CAA-C2A	2.85	122.28	113.79
16	B	849	BCR	C36-C18-C17	-2.85	118.20	122.82
14	B	816	CLA	C2B-C1B-NB	2.85	113.28	110.33
14	b	802	CLA	C1-O2A-CGA	2.85	123.55	116.65
14	G	830	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
16	a	848	BCR	C37-C22-C21	-2.85	118.20	122.82
14	H	812	CLA	CHD-C1D-ND	-2.85	120.79	124.80
14	A	806	CLA	CMA-C3A-C4A	2.85	119.43	111.77
14	A	836	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	H	841	CLA	C1-O2A-CGA	2.85	123.54	116.65
14	B	838	CLA	CMA-C3A-C4A	2.85	119.42	111.77
16	A	846	BCR	C34-C9-C10	-2.85	118.20	122.82
14	a	840	CLA	CMC-C2C-C1C	2.85	129.48	125.03
16	G	845	BCR	C19-C18-C17	2.85	123.48	119.01
14	W	1701	CLA	C4D-C3D-CAD	2.85	111.20	108.11
14	H	824	CLA	C4-C3-C5	2.84	120.17	115.23
14	A	842	CLA	C3C-C4C-NC	2.84	114.07	110.43
14	G	827	CLA	CMC-C2C-C1C	2.84	129.48	125.03
14	b	834	CLA	CMA-C3A-C4A	2.84	119.42	111.77
14	a	838	CLA	CMC-C2C-C1C	2.84	129.48	125.03
14	A	830	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
16	H	852	BCR	C35-C13-C12	2.84	122.43	118.09
14	B	807	CLA	C1-C2-C3	-2.84	122.17	126.76
14	A	824	CLA	C3B-C2B-C1B	-2.84	103.82	107.17
16	H	849	BCR	C36-C18-C17	-2.84	118.21	122.82
14	H	823	CLA	CAA-C2A-C3A	-2.84	105.32	113.00
14	G	824	CLA	C3C-C4C-NC	2.84	114.07	110.43
14	H	804	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	B	838	CLA	CMB-C2B-C1B	2.84	129.74	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	842	CLA	C3C-C4C-NC	2.84	114.06	110.43
16	f	201	BCR	C12-C13-C14	2.84	123.47	119.01
14	b	827	CLA	CMD-C2D-C3D	-2.84	121.18	127.69
14	A	834	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	l	203	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	B	807	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	b	821	CLA	C4-C3-C5	2.84	120.15	115.23
14	H	836	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	H	803	CLA	C4-C3-C5	2.83	120.15	115.23
14	A	826	CLA	CMA-C3A-C4A	2.83	119.39	111.77
14	A	836	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	S	101	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	G	822	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	A	824	CLA	CAC-C3C-C4C	2.83	128.48	124.79
14	B	841	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	a	806	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	H	837	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	B	804	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	S	101	CLA	CAA-C2A-C3A	-2.83	105.35	113.00
14	a	802	CLA	CHD-C1D-ND	-2.83	120.82	124.80
14	a	829	CLA	CMB-C2B-C1B	2.83	129.73	125.42
14	a	822	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	b	817	CLA	CBA-CAA-C2A	2.83	122.21	113.79
14	G	804	CLA	C4-C3-C5	2.83	120.14	115.23
14	G	834	CLA	CMA-C3A-C4A	2.83	119.38	111.77
14	A	839	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	A	832	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	J	1303	CLA	CMC-C2C-C1C	2.83	129.45	125.03
14	B	831	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	m	1202	CLA	C3C-C4C-NC	2.83	114.05	110.43
14	Q	201	CLA	CMA-C3A-C4A	2.83	119.37	111.77
14	a	841	CLA	CMC-C2C-C1C	2.83	129.45	125.03
14	B	818	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	l	204	CLA	CMC-C2C-C1C	2.83	129.45	125.03
16	a	846	BCR	C19-C18-C17	2.83	123.46	119.01
14	A	839	CLA	CMD-C2D-C3D	-2.83	121.21	127.69
16	b	844	BCR	C19-C18-C17	2.83	123.45	119.01
14	G	816	CLA	O2A-C1-C2	2.83	118.98	108.11
16	Q	203	BCR	C33-C5-C6	-2.83	121.40	124.48
14	G	838	CLA	C1-C2-C3	-2.83	122.19	126.76
16	l	206	BCR	C37-C22-C21	-2.83	118.24	122.82
14	H	805	CLA	CHD-C1D-ND	-2.82	120.83	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	845	BCR	C7-C8-C9	-2.82	122.06	126.23
14	A	810	CLA	O2A-C1-C2	2.82	118.97	108.11
14	H	822	CLA	C1D-ND-C4D	-2.82	104.33	106.31
14	B	814	CLA	C3D-C4D-ND	2.82	114.58	109.99
14	a	830	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	a	828	CLA	CMC-C2C-C1C	2.82	129.44	125.03
14	a	841	CLA	CAA-C2A-C3A	-2.82	105.37	113.00
14	G	839	CLA	CMC-C2C-C1C	2.82	129.44	125.03
14	F	201	CLA	CMA-C3A-C4A	2.82	119.36	111.77
16	U	208	BCR	C37-C22-C21	-2.82	118.25	122.82
14	m	1202	CLA	CHD-C1D-ND	-2.82	120.83	124.80
14	a	806	CLA	CMA-C3A-C4A	2.82	119.35	111.77
19	B	851	LMG	O7-C10-C11	2.82	117.58	111.48
14	b	815	CLA	C4D-C3D-CAD	2.82	111.17	108.11
13	G	801	CL0	O2A-C1-C2	2.82	118.96	108.11
14	A	808	CLA	CMC-C2C-C1C	2.82	129.44	125.03
14	b	801	CLA	C4A-NA-C1A	2.82	107.97	106.68
16	U	203	BCR	C1-C6-C5	-2.82	118.78	122.64
16	B	846	BCR	C19-C18-C17	2.82	123.44	119.01
14	B	804	CLA	CMC-C2C-C1C	2.82	129.44	125.03
16	J	1305	BCR	C12-C13-C14	-2.82	114.58	119.01
16	B	845	BCR	C19-C18-C17	2.82	123.44	119.01
14	B	821	CLA	CHC-C1C-C2C	-2.82	118.94	126.95
14	B	805	CLA	C3D-C4D-ND	2.82	114.56	109.99
14	m	1201	CLA	C4D-C3D-CAD	2.82	111.16	108.11
14	M	1601	CLA	CHD-C1D-ND	-2.81	120.84	124.80
14	x	1701	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	a	836	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	b	828	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	a	824	CLA	CAC-C3C-C4C	2.81	128.45	124.79
14	V	1601	CLA	CHD-C1D-ND	-2.81	120.84	124.80
14	H	822	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	H	831	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	A	806	CLA	C3D-C4D-ND	2.81	114.56	109.99
16	H	846	BCR	C36-C18-C17	-2.81	118.26	122.82
14	b	803	CLA	C4-C3-C5	2.81	120.11	115.23
14	b	822	CLA	CMB-C2B-C3B	2.81	133.16	126.55
14	a	839	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	j	1303	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	b	801	CLA	C3D-C2D-C1D	-2.81	102.00	105.83
14	H	801	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	A	827	CLA	C4D-C3D-CAD	2.81	111.16	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	815	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	k	102	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	b	837	CLA	CMB-C2B-C3B	2.81	133.16	126.55
14	B	836	CLA	CMC-C2C-C1C	2.81	129.42	125.03
16	H	845	BCR	C7-C8-C9	-2.81	122.08	126.23
14	G	840	CLA	CAC-C3C-C4C	2.81	128.44	124.79
14	H	838	CLA	CHD-C1D-ND	-2.81	120.85	124.80
14	A	838	CLA	C4D-C3D-CAD	2.81	111.15	108.11
14	G	822	CLA	CMB-C2B-C1B	2.81	129.69	125.42
14	G	834	CLA	C4D-C3D-CAD	2.80	111.15	108.11
17	A	850	LHG	O8-C23-C24	2.80	120.39	111.83
14	A	838	CLA	C1-C2-C3	-2.80	122.22	126.76
14	a	835	CLA	C1-C2-C3	-2.80	122.22	126.76
14	G	819	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	B	819	CLA	C1-C2-C3	-2.80	121.60	126.20
16	a	849	BCR	C38-C26-C27	2.80	119.57	113.60
14	S	102	CLA	CMC-C2C-C1C	2.80	129.41	125.03
14	b	837	CLA	CMC-C2C-C1C	2.80	129.41	125.03
14	a	819	CLA	CMC-C2C-C1C	2.80	129.41	125.03
16	B	846	BCR	C36-C18-C17	-2.80	118.28	122.82
16	b	847	BCR	C36-C18-C17	-2.80	118.28	122.82
14	G	832	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	A	840	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
14	a	816	CLA	O2A-C1-C2	2.80	118.88	108.11
14	J	1302	CLA	C4D-C3D-CAD	2.80	111.14	108.11
14	A	813	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
14	b	829	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	b	843	BCR	C19-C18-C17	2.80	123.41	119.01
14	H	822	CLA	CMD-C2D-C3D	-2.80	121.27	127.69
14	b	820	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
14	G	836	CLA	CMC-C2C-C1C	2.80	129.40	125.03
14	B	825	CLA	CMC-C2C-C1C	2.80	129.40	125.03
14	j	1302	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
14	a	830	CLA	CMB-C2B-C1B	2.80	129.68	125.42
14	B	810	CLA	C1-O2A-CGA	2.80	123.42	116.65
14	b	836	CLA	CMA-C3A-C4A	2.79	119.28	111.77
14	M	1601	CLA	CMC-C2C-C1C	2.79	129.40	125.03
14	b	820	CLA	OBD-CAD-C3D	-2.79	121.89	128.42
16	l	206	BCR	C7-C8-C9	-2.79	122.11	126.23
14	A	828	CLA	C4D-C3D-CAD	2.79	111.14	108.11
14	a	807	CLA	O1D-CGD-CBD	-2.79	119.01	124.52
14	H	804	CLA	CMC-C2C-C1C	2.79	129.40	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	807	CLA	CMC-C2C-C1C	2.79	129.40	125.03
16	f	201	BCR	C34-C9-C10	-2.79	118.29	122.82
14	B	841	CLA	C1-O2A-CGA	2.79	123.41	116.65
14	b	832	CLA	CAC-C3C-C4C	2.79	128.42	124.79
14	b	820	CLA	C4D-C3D-CAD	2.79	111.14	108.11
19	H	851	LMG	O8-C28-C29	2.79	120.34	111.83
14	A	835	CLA	C4D-C3D-CAD	2.79	111.14	108.11
14	G	834	CLA	CMC-C2C-C1C	2.79	129.39	125.03
16	H	844	BCR	C36-C18-C17	-2.79	118.30	122.82
14	B	827	CLA	CMB-C2B-C3B	2.79	133.11	126.55
16	b	848	BCR	C34-C9-C8	2.79	122.35	118.09
14	A	819	CLA	CMC-C2C-C1C	2.79	129.39	125.03
14	L	206	CLA	C4D-C3D-CAD	2.79	111.13	108.11
14	b	826	CLA	C3C-C4C-NC	2.79	114.00	110.43
14	H	839	CLA	C3D-C4D-ND	2.79	114.51	109.99
16	m	1203	BCR	C37-C22-C21	-2.78	118.30	122.82
14	b	838	CLA	CMA-C3A-C4A	2.78	119.26	111.77
14	L	201	CLA	O2A-C1-C2	2.78	118.82	108.11
16	G	847	BCR	C37-C22-C21	-2.78	118.31	122.82
16	A	845	BCR	C38-C26-C27	2.78	119.53	113.60
16	a	845	BCR	C38-C26-C27	2.78	119.53	113.60
14	a	842	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	B	850	BCR	C34-C9-C8	2.78	122.34	118.09
14	G	806	CLA	C3D-C4D-ND	2.78	114.51	109.99
14	A	826	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	B	842	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	B	811	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
19	B	851	LMG	O8-C28-C29	2.78	120.31	111.83
14	H	802	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	V	1601	CLA	C3C-C4C-NC	2.78	113.99	110.43
14	B	835	CLA	C4D-C3D-CAD	2.78	111.12	108.11
14	B	839	CLA	C4D-C3D-CAD	2.78	111.12	108.11
14	J	1301	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	b	829	CLA	CBA-CAA-C2A	2.78	122.06	113.79
19	b	849	LMG	O8-C28-C29	2.78	120.31	111.83
14	B	832	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	a	824	CLA	C3C-C4C-NC	2.78	113.99	110.43
14	L	205	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	G	802	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
14	A	815	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
14	a	852	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
14	G	819	CLA	CMC-C2C-C1C	2.78	129.37	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	812	CLA	CMB-C2B-C1B	2.77	129.64	125.42
14	A	820	CLA	C3D-C4D-ND	2.77	114.50	109.99
14	G	826	CLA	CMA-C3A-C4A	2.77	119.22	111.77
14	B	820	CLA	CBA-CAA-C2A	2.77	122.04	113.79
14	b	820	CLA	CMC-C2C-C1C	2.77	129.36	125.03
16	j	1304	BCR	C39-C30-C25	-2.77	105.90	110.24
14	G	841	CLA	C3C-C4C-NC	2.77	113.98	110.43
14	j	1301	CLA	CMC-C2C-C1C	2.77	129.36	125.03
16	H	846	BCR	C33-C5-C4	2.77	119.50	113.60
14	A	822	CLA	CMB-C2B-C1B	2.77	129.64	125.42
14	b	835	CLA	CMC-C2C-C1C	2.77	129.36	125.03
16	B	850	BCR	C7-C8-C9	-2.77	122.14	126.23
14	B	823	CLA	CAA-C2A-C3A	-2.77	105.52	113.00
14	A	813	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	K	1401	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	A	804	CLA	C4-C3-C5	2.77	120.03	115.23
14	F	201	CLA	CMB-C2B-C1B	2.77	129.63	125.42
14	m	1202	CLA	CMC-C2C-C1C	2.77	129.36	125.03
14	a	852	CLA	CMB-C2B-C1B	2.77	129.63	125.42
16	J	1305	BCR	C38-C26-C25	-2.77	121.47	124.48
14	H	818	CLA	C4D-C3D-CAD	2.77	111.11	108.11
16	a	849	BCR	C1-C6-C7	2.77	123.15	115.65
14	b	802	CLA	CMC-C2C-C1C	2.77	129.36	125.03
14	a	806	CLA	C3D-C4D-ND	2.77	114.48	109.99
14	B	839	CLA	CMC-C2C-C1C	2.77	129.35	125.03
14	G	818	CLA	CBA-CAA-C2A	2.77	122.02	113.79
14	B	806	CLA	C4C-C3C-C2C	-2.76	102.87	106.89
14	a	828	CLA	CHD-C1D-ND	-2.76	120.91	124.80
14	a	809	CLA	C3C-C4C-NC	2.76	113.97	110.43
16	j	1305	BCR	C32-C1-C31	-2.76	100.72	108.63
16	H	845	BCR	C1-C6-C5	-2.76	118.86	122.64
14	j	1302	CLA	CMC-C2C-C1C	2.76	129.35	125.03
16	G	844	BCR	C38-C26-C27	2.76	119.49	113.60
16	b	850	BCR	C33-C5-C4	2.76	119.49	113.60
14	b	804	CLA	C4D-C3D-CAD	2.76	111.11	108.11
16	M	1602	BCR	C37-C22-C21	-2.76	118.34	122.82
16	a	846	BCR	C36-C18-C17	-2.76	118.34	122.82
14	b	824	CLA	CMC-C2C-C1C	2.76	129.35	125.03
14	H	817	CLA	CAA-C2A-C3A	-2.76	105.54	113.00
14	G	826	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
14	G	837	CLA	CMA-C3A-C4A	2.76	119.19	111.77
14	a	813	CLA	CAA-C2A-C3A	-2.76	105.54	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	838	CLA	CED-O2D-CGD	2.76	122.17	115.92
13	G	801	CL0	C4D-C3D-CAD	2.76	111.10	108.11
14	H	814	CLA	CAA-C2A-C3A	-2.76	105.55	113.00
16	L	207	BCR	C23-C22-C21	2.76	123.34	119.01
14	G	810	CLA	CMC-C2C-C1C	2.76	129.34	125.03
14	b	815	CLA	CMC-C2C-C1C	2.76	129.34	125.03
16	l	206	BCR	C36-C18-C17	-2.76	118.35	122.82
14	G	827	CLA	CMB-C2B-C3B	2.76	133.03	126.55
14	H	842	CLA	CMA-C3A-C4A	2.76	119.18	111.77
14	A	819	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	G	809	CLA	C3C-C4C-NC	2.76	113.96	110.43
14	a	832	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	a	822	CLA	CMB-C2B-C1B	2.76	129.61	125.42
14	B	810	CLA	C3D-C4D-ND	2.75	114.47	109.99
14	a	814	CLA	C4D-C3D-CAD	2.75	111.10	108.11
16	A	846	BCR	C36-C18-C17	-2.75	118.35	122.82
14	G	829	CLA	CMC-C2C-C1C	2.75	129.34	125.03
14	a	821	CLA	CBC-CAC-C3C	-2.75	104.96	112.42
14	B	812	CLA	C2B-C1B-NB	2.75	113.18	110.33
14	B	814	CLA	CMC-C2C-C1C	2.75	129.34	125.03
14	a	839	CLA	C1-C2-C3	-2.75	122.31	126.76
14	G	813	CLA	CAA-C2A-C3A	-2.75	105.56	113.00
14	V	1601	CLA	CMC-C2C-C1C	2.75	129.34	125.03
14	B	838	CLA	CAA-C2A-C3A	-2.75	105.56	113.00
14	b	834	CLA	CAA-C2A-C3A	-2.75	105.56	113.00
14	G	807	CLA	O1D-CGD-CBD	-2.75	119.09	124.52
14	U	205	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	S	101	CLA	CMC-C2C-C1C	2.75	129.33	125.03
14	A	803	CLA	CMD-C2D-C3D	-2.75	121.38	127.69
14	b	823	CLA	CHD-C4C-C3C	-2.75	120.76	124.77
14	H	816	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	A	841	CLA	C3C-C4C-NC	2.75	113.95	110.43
14	a	811	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
14	B	839	CLA	C3D-C4D-ND	2.75	114.46	109.99
16	S	104	BCR	C35-C13-C12	2.75	122.29	118.09
16	l	206	BCR	C23-C22-C21	2.75	123.33	119.01
14	a	826	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
14	a	820	CLA	C3D-C4D-ND	2.75	114.45	109.99
14	A	807	CLA	O1D-CGD-CBD	-2.74	119.10	124.52
16	J	1305	BCR	C35-C13-C12	2.74	122.28	118.09
16	b	843	BCR	C1-C6-C5	-2.74	118.89	122.64
14	A	840	CLA	CMC-C2C-C1C	2.74	129.32	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	837	CLA	CMC-C2C-C1C	2.74	129.32	125.03
16	B	846	BCR	C33-C5-C4	2.74	119.44	113.60
16	G	844	BCR	C37-C22-C21	-2.74	118.37	122.82
14	a	827	CLA	CMB-C2B-C3B	2.74	133.00	126.55
14	b	807	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	B	804	CLA	CED-O2D-CGD	2.74	122.14	115.92
14	b	822	CLA	CMC-C2C-C1C	2.74	129.32	125.03
14	b	837	CLA	CMA-C3A-C4A	2.74	119.14	111.77
14	b	805	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	b	806	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	b	811	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
14	B	838	CLA	C3C-C4C-NC	2.74	113.94	110.43
14	k	102	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
14	H	827	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	b	814	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	H	825	CLA	OBD-CAD-C3D	-2.74	122.02	128.42
14	G	803	CLA	C3C-C4C-NC	2.74	113.94	110.43
14	T	102	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	B	804	CLA	CMB-C2B-C3B	2.74	132.99	126.55
15	H	843	PQN	C14-C13-C15	2.74	119.98	115.23
16	S	103	BCR	C28-C27-C26	-2.74	109.18	114.06
14	b	811	CLA	CMC-C2C-C1C	2.74	129.31	125.03
16	S	104	BCR	C12-C13-C14	-2.74	114.70	119.01
14	A	812	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	A	842	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	A	807	CLA	C1-O2A-CGA	2.74	123.27	116.65
14	G	835	CLA	C1-C2-C3	-2.74	122.34	126.76
14	b	810	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	A	805	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	a	830	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	A	837	CLA	CMA-C3A-C4A	2.73	119.12	111.77
16	j	1304	BCR	C28-C27-C26	-2.73	109.18	114.06
16	A	849	BCR	C1-C6-C7	2.73	123.07	115.65
14	H	805	CLA	CMC-C2C-C1C	2.73	129.31	125.03
14	J	1302	CLA	CMC-C2C-C1C	2.73	129.31	125.03
16	G	843	BCR	C36-C18-C17	-2.73	118.39	122.82
14	b	825	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	B	832	CLA	C1D-ND-C4D	-2.73	104.39	106.31
14	G	815	CLA	CAA-C2A-C3A	-2.73	105.62	113.00
14	b	823	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	A	829	CLA	CMC-C2C-C1C	2.73	129.30	125.03
14	B	840	CLA	CMC-C2C-C1C	2.73	129.30	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	802	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	G	831	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	G	820	CLA	C3D-C4D-ND	2.73	114.43	109.99
14	B	822	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	U	206	CLA	CMC-C2C-C1C	2.73	129.30	125.03
14	G	833	CLA	C1-O2A-CGA	2.73	123.26	116.65
14	B	832	CLA	C4A-NA-C1A	2.73	107.92	106.68
14	A	803	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	b	840	CLA	CMC-C2C-C1C	2.73	129.30	125.03
14	G	821	CLA	O2D-CGD-O1D	-2.73	118.53	123.85
14	B	834	CLA	CMB-C2B-C3B	2.73	132.97	126.55
14	a	817	CLA	CAA-CBA-CGA	-2.73	105.46	113.21
14	b	813	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	a	811	CLA	C4D-C3D-CAD	2.73	111.07	108.11
13	G	801	CL0	C3C-C4C-NC	2.73	113.93	110.43
14	b	826	CLA	O1D-CGD-CBD	-2.73	119.14	124.52
16	b	844	BCR	C33-C5-C4	2.73	119.41	113.60
16	G	845	BCR	C36-C18-C17	-2.73	118.40	122.82
16	S	103	BCR	C39-C30-C25	-2.73	105.97	110.24
16	B	849	BCR	C33-C5-C6	-2.73	121.51	124.48
14	a	834	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	B	822	CLA	CHD-C1D-ND	-2.73	120.97	124.80
14	A	828	CLA	C3C-C4C-NC	2.73	113.92	110.43
14	a	835	CLA	C3C-C4C-NC	2.73	113.92	110.43
14	H	818	CLA	CMC-C2C-C1C	2.73	129.29	125.03
14	G	807	CLA	CBA-CAA-C2A	2.73	121.90	113.79
14	U	206	CLA	C3D-C4D-ND	2.73	114.42	109.99
14	l	204	CLA	C3D-C4D-ND	2.73	114.42	109.99
14	a	822	CLA	C3C-C4C-NC	2.73	113.92	110.43
14	A	836	CLA	C4-C3-C5	2.72	119.96	115.23
14	A	806	CLA	CMB-C2B-C1B	2.72	129.57	125.42
14	A	824	CLA	CAA-C2A-C3A	-2.72	105.64	113.00
14	a	837	CLA	CMA-C3A-C4A	2.72	119.10	111.77
14	G	815	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	H	822	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	a	810	CLA	CMC-C2C-C1C	2.72	129.29	125.03
14	A	802	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	B	817	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	H	803	CLA	CMC-C2C-C1C	2.72	129.29	125.03
16	J	1304	BCR	C39-C30-C25	-2.72	105.97	110.24
14	j	1303	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	x	1701	CLA	CMC-C2C-C1C	2.72	129.29	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	U	208	BCR	C36-C18-C17	-2.72	118.41	122.82
14	A	831	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	B	814	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	B	813	CLA	C4D-C3D-CAD	2.72	111.06	108.11
16	j	1304	BCR	C29-C30-C25	2.72	114.39	110.44
14	A	852	CLA	C4-C3-C5	2.72	119.95	115.23
14	G	817	CLA	CHB-C1B-C2B	-2.72	119.53	127.43
14	G	804	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	a	840	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	H	810	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	G	814	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	a	808	CLA	CMC-C2C-C1C	2.72	129.28	125.03
14	A	834	CLA	CMC-C2C-C1C	2.72	129.28	125.03
16	a	847	BCR	C36-C18-C17	-2.72	118.41	122.82
14	B	817	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	b	826	CLA	CAC-C3C-C4C	2.72	128.33	124.79
14	A	852	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
14	U	205	CLA	CMA-C3A-C4A	2.72	119.08	111.77
14	G	824	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	B	809	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
16	G	847	BCR	C35-C13-C12	2.72	122.24	118.09
14	b	814	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
16	L	202	BCR	C24-C23-C22	-2.72	122.22	126.23
14	A	812	CLA	CMD-C2D-C3D	-2.72	121.46	127.69
14	H	810	CLA	C3D-C4D-ND	2.72	114.40	109.99
14	a	814	CLA	CMC-C2C-C1C	2.71	129.28	125.03
14	H	821	CLA	C3D-C4D-ND	2.71	114.40	109.99
14	a	828	CLA	C4D-C3D-CAD	2.71	111.05	108.11
16	G	848	BCR	C35-C13-C12	2.71	122.23	118.09
16	f	201	BCR	C38-C26-C27	2.71	119.38	113.60
14	B	817	CLA	CAA-C2A-C3A	-2.71	105.67	113.00
14	b	834	CLA	CMC-C2C-C1C	2.71	129.27	125.03
14	a	853	CLA	C3C-C4C-NC	2.71	113.90	110.43
14	S	101	CLA	C4D-C3D-CAD	2.71	111.05	108.11
16	B	852	BCR	C35-C13-C12	2.71	122.23	118.09
14	H	823	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
14	H	811	CLA	CMC-C2C-C1C	2.71	129.27	125.03
14	B	839	CLA	CMB-C2B-C3B	2.71	132.93	126.55
14	A	811	CLA	C4D-C3D-CAD	2.71	111.05	108.11
16	A	847	BCR	C36-C18-C17	-2.71	118.43	122.82
14	H	839	CLA	OBD-CAD-C3D	-2.71	122.08	128.42
14	a	833	CLA	C1-O2A-CGA	2.71	123.21	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	1401	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	B	845	BCR	C1-C6-C5	-2.71	118.93	122.64
14	G	840	CLA	CMC-C2C-C1C	2.71	129.27	125.03
14	m	1201	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	G	838	CLA	CMA-C3A-C4A	2.71	119.05	111.77
16	S	103	BCR	C29-C30-C25	2.71	114.37	110.44
14	B	824	CLA	CMD-C2D-C3D	-2.71	121.48	127.69
14	H	836	CLA	CAA-C2A-C3A	-2.71	105.68	113.00
14	B	824	CLA	C4-C3-C5	2.71	119.93	115.23
16	G	847	BCR	C33-C5-C6	-2.71	121.53	124.48
14	B	810	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	A	833	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	a	819	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	T	102	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	A	821	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
14	b	837	CLA	C3D-C4D-ND	2.70	114.38	109.99
14	a	838	CLA	C4D-C3D-CAD	2.70	111.04	108.11
16	a	845	BCR	C37-C22-C21	-2.70	118.44	122.82
14	l	203	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	J	1302	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
14	H	829	CLA	O1D-CGD-CBD	-2.70	119.19	124.52
14	a	823	CLA	CMC-C2C-C1C	2.70	129.26	125.03
14	B	805	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
14	x	1701	CLA	C3C-C4C-NC	2.70	113.89	110.43
16	J	1305	BCR	C32-C1-C31	-2.70	100.90	108.63
14	m	1202	CLA	CMD-C2D-C3D	-2.70	121.49	127.69
14	B	821	CLA	C3D-C4D-ND	2.70	114.38	109.99
16	F	202	BCR	C33-C5-C6	-2.70	121.54	124.48
14	b	813	CLA	C4D-C3D-CAD	2.70	111.04	108.11
14	A	810	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	B	837	CLA	CAC-C3C-C4C	2.70	128.30	124.79
14	b	816	CLA	CMB-C2B-C1B	2.70	129.53	125.42
14	a	829	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	B	832	CLA	CBA-CAA-C2A	2.70	121.82	113.79
14	T	101	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	H	838	CLA	C3C-C4C-NC	2.70	113.88	110.43
14	H	822	CLA	CMB-C2B-C1B	2.70	129.52	125.42
14	A	804	CLA	C4D-C3D-CAD	2.69	111.03	108.11
16	L	209	BCR	C33-C5-C4	2.69	119.34	113.60
14	G	821	CLA	OBD-CAD-C3D	-2.69	122.12	128.42
16	G	846	BCR	C36-C18-C17	-2.69	118.45	122.82
14	B	809	CLA	C4D-C3D-CAD	2.69	111.03	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	1401	CLA	CAA-C2A-C3A	-2.69	105.72	113.00
16	a	848	BCR	C33-C5-C6	-2.69	121.55	124.48
14	B	802	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	X	1701	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	G	838	CLA	CAC-C3C-C4C	2.69	128.29	124.79
14	b	823	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	a	806	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	A	820	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	U	201	CLA	O2A-C1-C2	2.69	118.47	108.11
14	A	835	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	L	204	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	a	805	CLA	CMB-C2B-C1B	2.69	129.52	125.42
14	b	833	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	B	842	CLA	CMA-C3A-C4A	2.69	119.00	111.77
14	l	204	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	B	849	BCR	C19-C18-C17	2.69	123.24	119.01
14	b	827	CLA	CHD-C1D-ND	-2.69	121.02	124.80
14	B	818	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	W	1701	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	A	839	CLA	C3C-C4C-NC	2.69	113.87	110.43
14	a	842	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	A	816	CLA	CMB-C2B-C1B	2.69	129.51	125.42
14	H	828	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
14	G	841	CLA	C4D-C3D-CAD	2.69	111.02	108.11
14	A	836	CLA	C1-O2A-CGA	2.69	123.15	116.65
14	A	804	CLA	C3D-C4D-ND	2.69	114.35	109.99
14	k	101	CLA	CMC-C2C-C1C	2.69	129.23	125.03
14	H	832	CLA	CBC-CAC-C3C	-2.69	105.14	112.42
14	B	802	CLA	CMB-C2B-C1B	2.68	129.51	125.42
16	H	847	BCR	C8-C9-C10	2.68	123.23	119.01
14	b	817	CLA	C4D-C3D-CAD	2.68	111.02	108.11
14	H	824	CLA	CMC-C2C-C1C	2.68	129.23	125.03
14	H	834	CLA	CMB-C2B-C3B	2.68	132.86	126.55
14	b	828	CLA	CMB-C2B-C3B	2.68	132.86	126.55
14	b	814	CLA	C4D-C3D-CAD	2.68	111.02	108.11
15	b	841	PQN	C14-C13-C15	2.68	119.88	115.23
14	a	831	CLA	C4D-C3D-CAD	2.68	111.02	108.11
14	a	835	CLA	C4D-C3D-CAD	2.68	111.02	108.11
14	A	803	CLA	CHD-C1D-ND	-2.68	121.03	124.80
16	H	844	BCR	C27-C26-C25	-2.68	119.08	122.70
14	b	818	CLA	C3D-C4D-ND	2.68	114.35	109.99
14	A	811	CLA	CAA-C2A-C3A	-2.68	105.75	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	841	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	B	844	BCR	C36-C18-C17	-2.68	118.47	122.82
14	H	840	CLA	CMC-C2C-C1C	2.68	129.22	125.03
16	H	852	BCR	C38-C26-C27	2.68	119.31	113.60
14	A	836	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	G	822	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	T	101	CLA	CAC-C3C-C4C	2.68	128.28	124.79
14	A	825	CLA	CMC-C2C-C1C	2.68	129.22	125.03
14	W	1701	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	A	822	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	G	839	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	b	807	CLA	C1-O2A-CGA	2.68	123.14	116.65
14	H	829	CLA	CMC-C2C-C1C	2.68	129.22	125.03
14	U	205	CLA	CMC-C2C-C1C	2.68	129.22	125.03
14	a	812	CLA	OBD-CAD-C3D	-2.68	122.16	128.42
14	V	1601	CLA	CMD-C2D-C3D	-2.68	121.55	127.69
14	A	833	CLA	C4D-C3D-CAD	2.68	111.01	108.11
14	A	806	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	L	204	CLA	C4D-C3D-CAD	2.68	111.01	108.11
14	H	825	CLA	CMB-C2B-C3B	2.68	132.84	126.55
14	b	832	CLA	CMB-C2B-C3B	2.68	132.84	126.55
14	A	827	CLA	CMB-C2B-C3B	2.68	132.84	126.55
14	L	205	CLA	CMC-C2C-C1C	2.68	129.22	125.03
14	X	1701	CLA	C3C-C4C-NC	2.68	113.86	110.43
16	f	201	BCR	C35-C13-C14	-2.68	118.48	122.82
14	b	838	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	G	813	CLA	C4D-C3D-CAD	2.67	111.01	108.11
14	H	841	CLA	C3C-C4C-NC	2.67	113.86	110.43
16	J	1304	BCR	C28-C27-C26	-2.67	109.29	114.06
14	k	101	CLA	CAC-C3C-C4C	2.67	128.27	124.79
14	a	839	CLA	CMD-C2D-C3D	-2.67	121.56	127.69
14	U	205	CLA	C3C-C4C-NC	2.67	113.86	110.43
14	H	810	CLA	CAC-C3C-C4C	2.67	128.27	124.79
14	A	812	CLA	CMB-C2B-C1B	2.67	129.49	125.42
16	f	201	BCR	C34-C9-C8	2.67	122.17	118.09
14	a	824	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
14	U	207	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	A	822	CLA	CMD-C2D-C3D	-2.67	121.56	127.69
14	H	826	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	a	826	CLA	CMA-C3A-C4A	2.67	118.95	111.77
14	U	201	CLA	CMC-C2C-C1C	2.67	129.21	125.03
16	H	846	BCR	C19-C18-C17	2.67	123.21	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	802	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	B	808	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	A	838	CLA	CMA-C3A-C4A	2.67	118.95	111.77
14	H	817	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
14	H	827	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	l	205	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	a	803	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	B	811	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	b	825	CLA	CMD-C2D-C3D	-2.67	121.57	127.69
14	A	833	CLA	C1-O2A-CGA	2.67	123.11	116.65
14	A	814	CLA	C4D-C3D-CAD	2.67	111.00	108.11
14	m	1201	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	b	829	CLA	C4D-C3D-CAD	2.67	111.00	108.11
14	G	829	CLA	CMA-C3A-C4A	2.67	118.94	111.77
14	H	837	CLA	CAC-C3C-C4C	2.67	128.26	124.79
14	G	805	CLA	C3C-C4C-NC	2.67	113.84	110.43
14	G	835	CLA	C4D-C3D-CAD	2.67	111.00	108.11
14	b	807	CLA	C4D-C3D-CAD	2.67	111.00	108.11
14	B	807	CLA	CMB-C2B-C3B	2.67	132.82	126.55
14	b	813	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
14	A	842	CLA	C4D-C3D-CAD	2.66	111.00	108.11
14	b	834	CLA	C4D-C3D-CAD	2.66	111.00	108.11
14	G	823	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	B	821	CLA	CMB-C2B-C1B	2.66	129.47	125.42
14	A	814	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	a	836	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	M	1601	CLA	CMD-C2D-C3D	-2.66	121.58	127.69
14	a	812	CLA	CMB-C2B-C1B	2.66	129.47	125.42
14	H	810	CLA	C1-O2A-CGA	2.66	123.10	116.65
14	A	807	CLA	CBA-CAA-C2A	2.66	121.72	113.79
16	b	842	BCR	C36-C18-C17	-2.66	118.50	122.82
14	a	807	CLA	CBA-CAA-C2A	2.66	121.72	113.79
16	A	845	BCR	C37-C22-C21	-2.66	118.50	122.82
14	a	805	CLA	CMC-C2C-C1C	2.66	129.19	125.03
14	H	809	CLA	C4D-C3D-CAD	2.66	111.00	108.11
14	b	808	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
14	a	825	CLA	CMC-C2C-C1C	2.66	129.19	125.03
14	A	823	CLA	C1-C2-C3	-2.66	121.84	126.20
13	a	801	CL0	C3C-C4C-NC	2.66	113.84	110.43
14	G	836	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	a	814	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	H	807	CLA	CMD-C2D-C3D	-2.66	121.59	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	837	CLA	C4D-C3D-CAD	2.66	110.99	108.11
16	U	208	BCR	C7-C8-C9	-2.66	122.30	126.23
14	B	828	CLA	C4D-C3D-CAD	2.66	110.99	108.11
14	b	819	CLA	CMB-C2B-C1B	2.66	129.47	125.42
14	H	826	CLA	C3D-C2D-C1D	-2.66	102.20	105.83
14	G	823	CLA	C1-C2-C3	-2.66	121.84	126.20
16	l	202	BCR	C33-C5-C4	2.66	119.26	113.60
13	G	801	CL0	C4-C3-C5	2.66	119.84	115.23
14	H	820	CLA	CMC-C2C-C1C	2.66	129.19	125.03
14	b	832	CLA	O1D-CGD-CBD	-2.66	119.28	124.52
16	G	845	BCR	C37-C22-C21	-2.66	118.51	122.82
14	a	802	CLA	CMC-C2C-C1C	2.66	129.18	125.03
14	G	828	CLA	C3C-C4C-NC	2.66	113.83	110.43
14	G	804	CLA	O2D-CGD-O1D	-2.66	118.68	123.85
14	l	203	CLA	CMA-C3A-C4A	2.66	118.91	111.77
14	a	807	CLA	C6-C5-C3	-2.65	107.00	113.47
14	G	811	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
14	Q	201	CLA	C4D-C3D-CAD	2.65	110.99	108.11
16	l	202	BCR	C23-C22-C21	2.65	123.18	119.01
16	U	202	BCR	C36-C18-C17	-2.65	118.52	122.82
14	H	825	CLA	CMC-C2C-C1C	2.65	129.18	125.03
14	R	101	CLA	CMC-C2C-C1C	2.65	129.18	125.03
16	U	203	BCR	C33-C5-C4	2.65	119.25	113.60
14	j	1302	CLA	C4D-C3D-CAD	2.65	110.99	108.11
14	b	835	CLA	CAC-C3C-C4C	2.65	128.24	124.79
14	b	819	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
14	b	825	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	H	849	BCR	C19-C18-C17	2.65	123.18	119.01
14	H	814	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	T	102	CLA	CAA-C2A-C3A	-2.65	105.84	113.00
14	b	808	CLA	CMC-C2C-C1C	2.65	129.18	125.03
14	H	811	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	k	102	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	a	849	BCR	C35-C13-C12	2.65	122.14	118.09
14	H	834	CLA	C4D-C3D-CAD	2.65	110.98	108.11
14	A	822	CLA	C1-O2A-CGA	2.65	123.06	116.65
14	B	822	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
14	G	811	CLA	C4D-C3D-CAD	2.65	110.98	108.11
14	S	102	CLA	CAC-C3C-C4C	2.65	128.24	124.79
14	j	1303	CLA	CAC-C3C-C4C	2.65	128.24	124.79
14	a	802	CLA	C3C-C4C-NC	2.65	113.82	110.43
14	A	840	CLA	C1-C2-C3	-2.65	121.86	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	S	104	BCR	C33-C5-C6	-2.65	121.59	124.48
16	b	844	BCR	C15-C14-C13	-2.65	123.56	127.28
14	G	834	CLA	O2D-CGD-O1D	-2.65	118.70	123.85
14	B	836	CLA	CAA-C2A-C3A	-2.65	105.85	113.00
14	B	820	CLA	CMC-C2C-C1C	2.65	129.17	125.03
14	b	831	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	B	837	CLA	CMA-C3A-C4A	2.65	118.88	111.77
14	b	808	CLA	O1D-CGD-CBD	-2.65	119.30	124.52
16	S	104	BCR	C38-C26-C25	-2.64	121.60	124.48
16	H	848	BCR	C1-C6-C5	-2.64	119.02	122.64
14	a	804	CLA	C4D-C3D-CAD	2.64	110.98	108.11
14	A	827	CLA	CAC-C3C-C4C	2.64	128.23	124.79
16	L	202	BCR	C34-C9-C10	-2.64	118.53	122.82
13	a	801	CL0	CHD-C1D-ND	-2.64	121.08	124.80
16	j	1305	BCR	C35-C13-C12	2.64	122.12	118.09
14	G	812	CLA	C3C-C4C-NC	2.64	113.81	110.43
16	l	201	BCR	C34-C9-C10	-2.64	118.54	122.82
14	B	829	CLA	O1D-CGD-CBD	-2.64	119.31	124.52
14	b	829	CLA	CMA-C3A-C4A	2.64	118.86	111.77
14	B	805	CLA	C1D-CHD-C4C	-2.64	120.41	126.02
14	G	822	CLA	CMC-C2C-C1C	2.64	129.16	125.03
14	b	806	CLA	CAA-C2A-C3A	-2.64	105.87	113.00
14	b	810	CLA	CMC-C2C-C1C	2.64	129.16	125.03
14	H	814	CLA	C4D-C3D-CAD	2.64	110.97	108.11
14	H	817	CLA	C4D-C3D-CAD	2.64	110.97	108.11
14	a	827	CLA	CMA-C3A-C4A	2.64	118.86	111.77
16	Q	203	BCR	C38-C26-C27	2.64	119.22	113.60
14	B	811	CLA	CMC-C2C-C1C	2.64	129.15	125.03
14	G	840	CLA	C1-C2-C3	-2.63	121.88	126.20
14	a	837	CLA	CMC-C2C-C1C	2.63	129.15	125.03
14	G	830	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	B	803	CLA	O2D-CGD-O1D	-2.63	118.72	123.85
16	a	846	BCR	C37-C22-C21	-2.63	118.55	122.82
14	a	830	CLA	C1-C2-C3	-2.63	122.50	126.76
14	b	817	CLA	CMC-C2C-C1C	2.63	129.15	125.03
14	G	827	CLA	CAC-C3C-C4C	2.63	128.22	124.79
14	B	819	CLA	C4D-C3D-CAD	2.63	110.97	108.11
14	G	836	CLA	O2A-C1-C2	2.63	118.23	108.11
16	J	1304	BCR	C29-C30-C25	2.63	114.26	110.44
16	B	844	BCR	C15-C14-C13	-2.63	123.59	127.28
14	H	809	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
14	G	814	CLA	CAC-C3C-C4C	2.63	128.21	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	k	101	CLA	C3D-C4D-ND	2.63	114.26	109.99
14	a	827	CLA	C4-C3-C5	2.63	119.79	115.23
14	H	820	CLA	C4D-C3D-CAD	2.63	110.96	108.11
14	L	201	CLA	C4D-C3D-CAD	2.63	110.96	108.11
16	U	203	BCR	C23-C22-C21	2.63	123.14	119.01
14	B	829	CLA	CHD-C1D-ND	-2.63	121.10	124.80
16	A	844	BCR	C36-C18-C17	-2.63	118.56	122.82
14	A	814	CLA	CMC-C2C-C1C	2.63	129.14	125.03
14	L	204	CLA	CMA-C3A-C4A	2.63	118.83	111.77
14	A	826	CLA	C2C-C1C-NC	2.63	112.74	109.98
14	a	840	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	B	841	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	H	815	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	H	824	CLA	CMD-C2D-C3D	-2.63	121.67	127.69
16	A	849	BCR	C35-C13-C12	2.63	122.10	118.09
14	a	837	CLA	O2D-CGD-O1D	-2.63	118.74	123.85
16	H	846	BCR	C15-C14-C13	-2.63	123.59	127.28
14	G	802	CLA	C3C-C4C-NC	2.63	113.79	110.43
14	a	806	CLA	C4D-C3D-CAD	2.63	110.96	108.11
14	L	201	CLA	CMC-C2C-C1C	2.63	129.14	125.03
14	B	828	CLA	O2D-CGD-O1D	-2.63	118.74	123.85
14	H	838	CLA	O2D-CGD-O1D	-2.63	118.74	123.85
14	a	823	CLA	C3C-C4C-NC	2.63	113.79	110.43
14	a	811	CLA	C1-O2A-CGA	2.63	123.00	116.65
16	a	847	BCR	C19-C18-C17	2.62	123.14	119.01
16	G	846	BCR	C19-C18-C17	2.62	123.14	119.01
14	A	804	CLA	C3C-C4C-NC	2.62	113.79	110.43
14	G	804	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	a	822	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	G	813	CLA	C3C-C4C-NC	2.62	113.79	110.43
16	a	846	BCR	C27-C26-C25	-2.62	119.16	122.70
14	B	832	CLA	CMA-C3A-C4A	2.62	118.82	111.77
16	A	844	BCR	C19-C18-C17	2.62	123.13	119.01
16	b	843	BCR	C38-C26-C27	2.62	119.18	113.60
14	B	805	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	a	815	CLA	CMA-C3A-C4A	2.62	118.82	111.77
14	B	825	CLA	CMB-C2B-C3B	2.62	132.71	126.55
14	a	823	CLA	C1-C2-C3	-2.62	121.90	126.20
14	H	834	CLA	CAC-C3C-C4C	2.62	128.20	124.79
14	a	821	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
14	a	833	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
14	A	837	CLA	CMC-C2C-C1C	2.62	129.13	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	816	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
14	b	803	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	b	811	CLA	CAA-C2A-C3A	-2.62	105.92	113.00
16	b	845	BCR	C8-C9-C10	2.62	123.13	119.01
14	a	829	CLA	CMA-C3A-C4A	2.62	118.81	111.77
14	x	1701	CLA	CMB-C2B-C1B	2.62	129.41	125.42
13	A	801	CL0	C4-C3-C5	2.62	119.77	115.23
14	a	836	CLA	C4-C3-C5	2.62	119.77	115.23
14	B	831	CLA	O1D-CGD-CBD	-2.62	119.36	124.52
14	H	832	CLA	CBA-CAA-C2A	2.62	121.58	113.79
14	a	808	CLA	C4D-C3D-CAD	2.62	110.95	108.11
14	L	206	CLA	CMC-C2C-C1C	2.62	129.12	125.03
14	G	829	CLA	CMB-C2B-C1B	2.62	129.40	125.42
14	H	837	CLA	CMA-C3A-C4A	2.62	118.80	111.77
14	G	833	CLA	O2D-CGD-O1D	-2.61	118.76	123.85
14	H	836	CLA	C4D-C3D-CAD	2.61	110.95	108.11
14	j	1302	CLA	CAC-C3C-C4C	2.61	128.19	124.79
14	B	827	CLA	C3D-C4D-ND	2.61	114.24	109.99
14	H	812	CLA	CHC-C1C-C2C	-2.61	119.52	126.95
14	b	802	CLA	C3C-C4C-NC	2.61	113.78	110.43
14	B	826	CLA	CHA-C1A-NA	-2.61	120.47	126.39
14	G	824	CLA	CAA-C2A-C3A	-2.61	105.94	113.00
14	B	831	CLA	C3D-C4D-ND	2.61	114.23	109.99
14	G	835	CLA	C3C-C4C-NC	2.61	113.78	110.43
16	H	849	BCR	C34-C9-C10	-2.61	118.59	122.82
14	B	836	CLA	C4D-C3D-CAD	2.61	110.94	108.11
14	G	824	CLA	CAC-C3C-C4C	2.61	128.19	124.79
14	A	826	CLA	CHD-C4C-C3C	-2.61	120.97	124.77
14	B	821	CLA	C4C-C3C-C2C	-2.61	103.09	106.89
14	a	839	CLA	CHC-C1C-C2C	-2.61	119.53	126.95
14	B	807	CLA	O2D-CGD-O1D	-2.61	118.77	123.85
14	l	203	CLA	C1-C2-C3	-2.61	121.92	126.20
14	A	805	CLA	C4-C3-C5	2.61	119.76	115.23
14	H	819	CLA	C4D-C3D-CAD	2.61	110.94	108.11
14	a	822	CLA	C4-C3-C5	2.61	119.20	116.13
14	A	809	CLA	C3C-C4C-NC	2.61	113.77	110.43
14	B	821	CLA	CMA-C3A-C4A	2.61	118.78	111.77
14	l	203	CLA	CMC-C2C-C1C	2.61	129.11	125.03
16	B	845	BCR	C38-C26-C27	2.61	119.15	113.60
14	H	842	CLA	O2D-CGD-O1D	-2.61	118.78	123.85
16	a	848	BCR	C36-C18-C17	-2.61	118.59	122.82
16	U	202	BCR	C34-C9-C10	-2.61	118.59	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	821	CLA	CMD-C2D-C3D	-2.61	121.71	127.69
16	b	850	BCR	C2-C3-C4	-2.61	105.55	111.28
14	U	207	CLA	C4D-C3D-CAD	2.61	110.94	108.11
14	a	813	CLA	C3D-C4D-ND	2.60	114.22	109.99
14	b	811	CLA	C3D-C4D-ND	2.60	114.22	109.99
16	l	201	BCR	C33-C5-C6	-2.60	121.64	124.48
14	G	815	CLA	CMA-C3A-C4A	2.60	118.77	111.77
14	b	835	CLA	CMA-C3A-C4A	2.60	118.77	111.77
16	b	850	BCR	C2-C1-C6	2.60	114.22	110.44
14	a	805	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	G	827	CLA	CMA-C3A-C4A	2.60	118.77	111.77
14	B	837	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
14	A	815	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	b	840	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	G	805	CLA	CMB-C2B-C1B	2.60	129.38	125.42
14	A	814	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
14	H	815	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	G	838	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
14	a	817	CLA	CMC-C2C-C1C	2.60	129.10	125.03
16	H	845	BCR	C33-C5-C4	2.60	119.14	113.60
14	G	807	CLA	C6-C5-C3	-2.60	107.13	113.47
14	A	811	CLA	C3D-C4D-ND	2.60	114.21	109.99
14	b	839	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	H	808	CLA	C4C-C3C-C2C	-2.60	103.11	106.89
14	b	836	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
14	T	101	CLA	C3D-C4D-ND	2.60	114.21	109.99
16	U	203	BCR	C34-C9-C10	-2.60	118.61	122.82
16	A	847	BCR	C19-C18-C17	2.60	123.10	119.01
14	G	817	CLA	CMD-C2D-C3D	-2.60	121.73	127.69
14	G	814	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	A	839	CLA	C3D-C4D-ND	2.60	114.21	109.99
16	H	845	BCR	C36-C18-C17	-2.60	118.61	122.82
16	b	850	BCR	C37-C22-C21	-2.60	118.61	122.82
14	B	814	CLA	CHB-C4A-NA	2.60	128.15	124.40
14	A	829	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	m	1201	CLA	O1D-CGD-CBD	-2.60	119.40	124.52
14	H	809	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	G	836	CLA	O2D-CGD-O1D	-2.60	118.80	123.85
14	H	820	CLA	C3C-C4C-NC	2.60	113.75	110.43
14	B	823	CLA	C4D-C3D-CAD	2.60	110.92	108.11
16	a	846	BCR	C34-C9-C10	-2.60	118.61	122.82
16	L	202	BCR	C36-C18-C17	-2.60	118.61	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	205	CLA	CMB-C2B-C3B	2.60	132.65	126.55
14	b	807	CLA	CAC-C3C-C4C	2.59	128.17	124.79
14	a	815	CLA	CAA-C2A-C3A	-2.59	105.99	113.00
14	G	837	CLA	CAC-C3C-C4C	2.59	128.16	124.79
14	G	815	CLA	CMD-C2D-C3D	-2.59	121.74	127.69
14	G	816	CLA	CMC-C2C-C1C	2.59	129.09	125.03
14	a	825	CLA	C4D-C3D-CAD	2.59	110.92	108.11
16	L	207	BCR	C37-C22-C21	-2.59	118.62	122.82
14	a	811	CLA	C3D-C4D-ND	2.59	114.20	109.99
14	B	813	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	B	824	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	A	805	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	G	837	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	U	205	CLA	C1-C2-C3	-2.59	121.95	126.20
14	B	820	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	A	803	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
14	A	825	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	G	825	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	B	818	CLA	CMD-C2D-C3D	-2.59	121.75	127.69
14	b	814	CLA	C3C-C4C-NC	2.59	113.75	110.43
16	B	848	BCR	C1-C6-C5	-2.59	119.10	122.64
14	G	802	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	B	815	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	a	838	CLA	CAC-C3C-C4C	2.59	128.16	124.79
16	H	848	BCR	C4-C5-C6	-2.59	119.21	122.70
14	a	814	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
14	b	811	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	G	807	CLA	C3C-C4C-NC	2.59	113.74	110.43
16	a	844	BCR	C19-C18-C17	2.59	123.08	119.01
14	a	815	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	J	1303	CLA	CAC-C3C-C4C	2.59	128.16	124.79
14	G	822	CLA	C4-C3-C5	2.59	119.17	116.13
14	H	832	CLA	CMA-C3A-C4A	2.59	118.72	111.77
14	H	829	CLA	C3C-C4C-NC	2.59	113.74	110.43
14	a	802	CLA	CMA-C3A-C4A	2.58	118.72	111.77
14	A	817	CLA	CAA-CBA-CGA	-2.58	105.87	113.21
14	a	823	CLA	C4D-C3D-CAD	2.58	110.91	108.11
14	H	842	CLA	CMC-C2C-C1C	2.58	129.07	125.03
14	G	851	CLA	CHB-C4A-NA	2.58	128.13	124.40
14	H	818	CLA	CMD-C2D-C3D	-2.58	121.77	127.69
14	A	830	CLA	C1-C2-C3	-2.58	122.58	126.76
14	b	802	CLA	C4D-C3D-CAD	2.58	110.91	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	817	CLA	C3C-C4C-NC	2.58	113.74	110.43
14	H	841	CLA	CMC-C2C-C1C	2.58	129.07	125.03
14	G	811	CLA	O2D-CGD-O1D	-2.58	118.82	123.85
14	a	837	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	b	805	CLA	C3C-C4C-NC	2.58	113.74	110.43
14	G	830	CLA	C1-C2-C3	-2.58	122.59	126.76
16	H	845	BCR	C38-C26-C27	2.58	119.10	113.60
14	F	201	CLA	C3D-C4D-ND	2.58	114.18	109.99
16	G	847	BCR	C36-C18-C17	-2.58	118.64	122.82
14	H	835	CLA	CMB-C2B-C1B	2.58	129.35	125.42
14	G	829	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	B	804	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	H	835	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	J	1302	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	a	841	CLA	C1-C2-C3	-2.58	121.97	126.20
14	A	811	CLA	C1-O2A-CGA	2.58	122.89	116.65
14	G	821	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	G	809	CLA	O1D-CGD-CBD	-2.58	119.43	124.52
14	A	807	CLA	C3C-C4C-NC	2.58	113.73	110.43
14	b	828	CLA	O1D-CGD-CBD	-2.58	119.43	124.52
14	a	818	CLA	C4D-C3D-CAD	2.58	110.91	108.11
14	A	833	CLA	C3C-C4C-NC	2.58	113.73	110.43
14	a	815	CLA	C4D-C3D-CAD	2.58	110.91	108.11
14	G	809	CLA	CMB-C2B-C1B	2.58	129.34	125.42
14	A	838	CLA	CMD-C2D-C3D	-2.58	121.78	127.69
14	B	801	CLA	C2D-C1D-ND	2.58	112.68	110.13
14	B	810	CLA	CAC-C3C-C4C	2.58	128.14	124.79
16	F	202	BCR	C35-C13-C14	-2.58	118.64	122.82
16	B	852	BCR	C4-C5-C6	-2.58	119.22	122.70
14	A	830	CLA	C3C-C4C-NC	2.58	113.73	110.43
14	G	811	CLA	C3D-C4D-ND	2.58	114.17	109.99
14	b	812	CLA	C4C-C3C-C2C	-2.58	103.14	106.89
14	A	823	CLA	CED-O2D-CGD	2.58	121.76	115.92
14	B	807	CLA	CMD-C2D-C3D	-2.58	121.78	127.69
14	B	812	CLA	C4D-C3D-CAD	2.58	110.90	108.11
14	G	827	CLA	C4-C3-C5	2.58	119.70	115.23
16	Q	203	BCR	C12-C13-C14	2.57	123.06	119.01
14	L	204	CLA	C1-C2-C3	-2.57	121.98	126.20
14	L	206	CLA	C3C-C4C-NC	2.57	113.73	110.43
14	A	822	CLA	C4-C3-C5	2.57	119.16	116.13
16	b	842	BCR	C27-C26-C25	-2.57	119.23	122.70
14	G	811	CLA	C1-O2A-CGA	2.57	122.88	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	204	CLA	CMC-C2C-C1C	2.57	129.05	125.03
14	H	839	CLA	CMA-C3A-C4A	2.57	118.69	111.77
14	G	831	CLA	CMD-C2D-C3D	-2.57	121.79	127.69
14	B	825	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
14	B	815	CLA	C4C-C3C-C2C	-2.57	103.15	106.89
16	b	846	BCR	C4-C5-C6	-2.57	119.23	122.70
16	A	846	BCR	C37-C22-C21	-2.57	118.65	122.82
14	b	806	CLA	C3C-C4C-NC	2.57	113.72	110.43
14	a	804	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
14	A	818	CLA	CAC-C3C-C4C	2.57	128.13	124.79
14	A	823	CLA	C3C-C4C-NC	2.57	113.72	110.43
14	A	806	CLA	CED-O2D-CGD	2.57	121.75	115.92
13	A	801	CL0	C3C-C4C-NC	2.57	113.72	110.43
14	G	829	CLA	C4D-C3D-CAD	2.57	110.90	108.11
14	B	834	CLA	C4D-C3D-CAD	2.57	110.90	108.11
14	b	815	CLA	CMD-C2D-C3D	-2.57	121.80	127.69
14	a	806	CLA	CAC-C3C-C4C	2.57	128.13	124.79
16	B	845	BCR	C33-C5-C4	2.57	119.07	113.60
14	A	841	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	B	804	CLA	CMD-C2D-C3D	-2.57	121.80	127.69
14	b	824	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	A	838	CLA	O1D-CGD-CBD	-2.57	119.45	124.52
14	H	821	CLA	CAC-C3C-C4C	2.57	128.13	124.79
14	a	829	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	S	101	CLA	CAC-C3C-C4C	2.57	128.13	124.79
14	a	811	CLA	CAA-C2A-C3A	-2.57	106.06	113.00
14	J	1303	CLA	C3D-C4D-ND	2.57	114.16	109.99
16	B	848	BCR	C19-C18-C17	2.56	123.04	119.01
14	A	833	CLA	CAC-C3C-C4C	2.56	128.13	124.79
13	A	801	CL0	C3D-C4D-ND	2.56	114.15	109.99
14	a	816	CLA	CMC-C2C-C1C	2.56	129.04	125.03
16	G	843	BCR	C19-C18-C17	2.56	123.04	119.01
14	R	101	CLA	C4D-C3D-CAD	2.56	110.89	108.11
14	H	821	CLA	CMB-C2B-C1B	2.56	129.32	125.42
14	a	810	CLA	C1-O2A-CGA	2.56	122.85	116.65
14	a	852	CLA	C2C-C1C-NC	2.56	112.67	109.98
14	B	810	CLA	CAA-C2A-C3A	-2.56	106.08	113.00
14	G	813	CLA	C3D-C4D-ND	2.56	114.15	109.99
16	R	102	BCR	C36-C18-C17	-2.56	118.67	122.82
14	a	836	CLA	C1-O2A-CGA	2.56	122.85	116.65
14	a	804	CLA	C3C-C4C-NC	2.56	113.71	110.43
14	H	829	CLA	CAC-C3C-C4C	2.56	128.12	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	806	CLA	C3C-C4C-NC	2.56	113.71	110.43
14	H	801	CLA	CHB-C1B-C2B	-2.56	119.99	127.43
14	A	815	CLA	C3D-C4D-ND	2.56	114.15	109.99
14	H	813	CLA	C3D-C4D-ND	2.56	114.15	109.99
14	b	809	CLA	C4D-C3D-CAD	2.56	110.89	108.11
14	H	811	CLA	CAC-C3C-C4C	2.56	128.12	124.79
14	G	810	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
14	B	835	CLA	CMB-C2B-C1B	2.56	129.32	125.42
14	a	840	CLA	C3D-C4D-ND	2.56	114.15	109.99
14	A	837	CLA	CAC-C3C-C4C	2.56	128.12	124.79
14	H	804	CLA	CAC-C3C-C4C	2.56	128.12	124.79
16	l	201	BCR	C24-C23-C22	-2.56	122.45	126.23
16	F	202	BCR	C38-C26-C27	2.56	119.05	113.60
14	B	817	CLA	C3C-C4C-NC	2.56	113.71	110.43
14	b	809	CLA	CHC-C1C-C2C	-2.56	119.68	126.95
14	G	807	CLA	CMA-C3A-C4A	2.56	118.64	111.77
14	L	204	CLA	CMB-C2B-C1B	2.56	129.31	125.42
14	X	1701	CLA	CMB-C2B-C1B	2.56	129.31	125.42
16	b	846	BCR	C15-C14-C13	-2.56	123.69	127.28
14	G	803	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
14	G	831	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	B	813	CLA	C3D-C4D-ND	2.56	114.14	109.99
16	B	846	BCR	C15-C14-C13	-2.56	123.69	127.28
14	b	803	CLA	CMA-C3A-C4A	2.56	118.64	111.77
14	K	1401	CLA	CMB-C2B-C1B	2.55	129.31	125.42
14	m	1201	CLA	CMD-C2D-C3D	-2.55	121.83	127.69
14	b	831	CLA	CMA-C3A-C4A	2.55	118.64	111.77
14	G	804	CLA	CAC-C3C-C4C	2.55	128.11	124.79
16	B	847	BCR	C11-C10-C9	2.55	130.86	127.28
14	U	201	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	b	828	CLA	C3D-C4D-ND	2.55	114.14	109.99
14	G	839	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	R	101	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
16	b	847	BCR	C19-C18-C17	2.55	123.03	119.01
14	k	101	CLA	CMB-C2B-C1B	2.55	129.31	125.42
14	b	833	CLA	CAC-C3C-C4C	2.55	128.11	124.79
14	B	841	CLA	C1-C2-C3	-2.55	122.02	126.20
14	B	833	CLA	OBD-CAD-C3D	-2.55	122.45	128.42
16	G	848	BCR	C30-C25-C26	-2.55	119.15	122.64
16	l	202	BCR	C34-C9-C10	-2.55	118.68	122.82
14	A	802	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	b	807	CLA	O2D-CGD-O1D	-2.55	118.88	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	824	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	B	819	CLA	C3C-C4C-NC	2.55	113.70	110.43
16	L	202	BCR	C33-C5-C6	-2.55	121.70	124.48
14	b	816	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
15	G	842	PQN	C11-C3-C4	2.55	121.27	118.58
14	A	837	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	a	840	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	B	819	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	B	809	CLA	C1-C2-C3	-2.55	122.02	126.20
16	A	848	BCR	C33-C5-C6	-2.55	121.70	124.48
14	A	809	CLA	CMB-C2B-C1B	2.55	129.30	125.42
14	H	831	CLA	O1D-CGD-CBD	-2.55	119.49	124.52
14	B	816	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	b	839	CLA	C3D-C4D-ND	2.55	114.13	109.99
14	S	102	CLA	C3D-C4D-ND	2.55	114.13	109.99
14	G	825	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	G	839	CLA	C4D-C3D-CAD	2.55	110.87	108.11
14	A	838	CLA	CAC-C3C-C4C	2.55	128.10	124.79
14	G	802	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	H	839	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	H	830	CLA	CAC-C3C-C4C	2.55	128.10	124.79
14	a	819	CLA	C4-C3-C5	2.55	119.65	115.23
14	H	819	CLA	C3C-C4C-NC	2.55	113.69	110.43
14	k	102	CLA	CMB-C2B-C1B	2.55	129.30	125.42
14	H	842	CLA	C4D-C3D-CAD	2.55	110.87	108.11
16	V	1602	BCR	C38-C26-C27	2.55	119.02	113.60
14	b	838	CLA	C3D-C4D-ND	2.55	114.12	109.99
14	a	807	CLA	C1-C2-C3	-2.55	122.03	126.20
14	G	837	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	H	803	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
16	b	846	BCR	C37-C22-C21	-2.54	118.69	122.82
16	l	201	BCR	C36-C18-C17	-2.54	118.69	122.82
14	A	818	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	a	810	CLA	C4-C3-C5	2.54	119.64	115.23
16	b	843	BCR	C33-C5-C4	2.54	119.02	113.60
16	L	209	BCR	C23-C22-C21	2.54	123.01	119.01
14	a	818	CLA	CAC-C3C-C4C	2.54	128.10	124.79
14	A	837	CLA	C3D-C4D-ND	2.54	114.12	109.99
14	b	822	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	B	825	CLA	OBD-CAD-C3D	-2.54	122.47	128.42
13	G	801	CL0	CMC-C2C-C1C	2.54	129.01	125.03
14	b	815	CLA	O2D-CGD-O1D	-2.54	118.90	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	830	CLA	OBD-CAD-C3D	-2.54	122.47	128.42
16	A	849	BCR	C24-C25-C26	-2.54	115.70	121.56
14	B	802	CLA	C3C-C4C-NC	2.54	113.69	110.43
14	G	823	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	b	821	CLA	C4D-C3D-CAD	2.54	110.87	108.11
16	H	848	BCR	C37-C22-C21	-2.54	118.70	122.82
16	L	209	BCR	C34-C9-C10	-2.54	118.70	122.82
16	H	844	BCR	C30-C25-C26	-2.54	119.16	122.64
14	B	830	CLA	C1-C2-C3	-2.54	122.03	126.20
14	L	206	CLA	C1-C2-C3	-2.54	122.03	126.20
14	B	830	CLA	CAC-C3C-C4C	2.54	128.10	124.79
14	A	815	CLA	CMC-C2C-C1C	2.54	129.01	125.03
14	b	840	CLA	CMA-C3A-C4A	2.54	118.61	111.77
14	b	836	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
14	A	812	CLA	C4-C3-C5	2.54	119.64	115.23
14	H	828	CLA	C4D-C3D-CAD	2.54	110.87	108.11
16	b	844	BCR	C38-C26-C25	-2.54	121.71	124.48
16	U	202	BCR	C24-C23-C22	-2.54	122.48	126.23
14	A	839	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
14	b	837	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
16	b	846	BCR	C1-C6-C5	-2.54	119.17	122.64
16	B	848	BCR	C4-C5-C6	-2.54	119.27	122.70
14	A	841	CLA	CMB-C2B-C1B	2.54	129.29	125.42
14	a	816	CLA	O2D-CGD-O1D	-2.54	118.91	123.85
14	a	822	CLA	C1-O2A-CGA	2.54	122.80	116.65
14	A	812	CLA	CMC-C2C-C1C	2.54	129.00	125.03
14	A	827	CLA	O1D-CGD-CBD	-2.54	119.51	124.52
14	j	1303	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	H	830	CLA	C1-C2-C3	-2.54	122.04	126.20
14	A	820	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	H	838	CLA	CAA-C2A-C3A	-2.54	106.14	113.00
14	b	808	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	b	812	CLA	C1-C2-C3	-2.54	122.04	126.20
16	A	847	BCR	C31-C1-C6	-2.54	106.27	110.24
14	b	831	CLA	CMC-C2C-C1C	2.54	129.00	125.03
13	G	801	CL0	C3D-C4D-ND	2.54	114.11	109.99
14	b	803	CLA	O2D-CGD-O1D	-2.54	118.91	123.85
14	b	833	CLA	CMB-C2B-C1B	2.54	129.28	125.42
14	A	804	CLA	CHD-C4C-C3C	-2.54	121.08	124.77
14	H	832	CLA	O2D-CGD-O1D	-2.54	118.91	123.85
14	b	832	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	A	829	CLA	C3D-C4D-ND	2.54	114.11	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	844	BCR	C27-C26-C25	-2.53	119.28	122.70
14	G	806	CLA	CAC-C3C-C4C	2.53	128.09	124.79
13	a	801	CL0	CMC-C2C-C1C	2.53	128.99	125.03
14	A	816	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	H	802	CLA	C4D-C3D-CAD	2.53	110.86	108.11
14	B	829	CLA	CMA-C3A-C4A	2.53	118.58	111.77
14	T	101	CLA	CMB-C2B-C1B	2.53	129.28	125.42
16	m	1203	BCR	C38-C26-C27	2.53	119.00	113.60
14	A	825	CLA	C3D-C4D-ND	2.53	114.11	109.99
14	H	818	CLA	O2D-CGD-O1D	-2.53	118.92	123.85
14	a	803	CLA	O1D-CGD-CBD	-2.53	119.52	124.52
14	H	839	CLA	C4D-C3D-CAD	2.53	110.86	108.11
14	A	817	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	B	818	CLA	O2D-CGD-O1D	-2.53	118.92	123.85
14	b	827	CLA	C1-C2-C3	-2.53	122.05	126.20
14	b	827	CLA	CAC-C3C-C4C	2.53	128.08	124.79
14	G	829	CLA	C3C-C4C-NC	2.53	113.67	110.43
14	a	808	CLA	CAA-C2A-C3A	-2.53	106.16	113.00
14	B	832	CLA	CHA-C1A-NA	-2.53	120.66	126.39
14	b	803	CLA	C1-C2-C3	-2.53	122.05	126.20
14	U	201	CLA	C3C-C4C-NC	2.53	113.67	110.43
14	B	840	CLA	C3D-C4D-ND	2.53	114.10	109.99
16	i	101	BCR	C2-C1-C6	2.53	114.11	110.44
14	l	205	CLA	C3D-C4D-ND	2.53	114.10	109.99
14	A	831	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	G	808	CLA	C4D-C3D-CAD	2.53	110.85	108.11
14	G	817	CLA	C4D-C3D-CAD	2.53	110.85	108.11
16	b	843	BCR	C36-C18-C17	-2.53	118.72	122.82
16	b	848	BCR	C36-C18-C17	-2.53	118.72	122.82
14	J	1303	CLA	C4D-C3D-CAD	2.53	110.85	107.69
14	U	205	CLA	CMB-C2B-C1B	2.53	129.27	125.42
14	G	812	CLA	O2D-CGD-O1D	-2.53	118.93	123.85
14	A	840	CLA	C3C-C4C-NC	2.53	113.67	110.43
16	a	848	BCR	C35-C13-C12	2.53	121.95	118.09
14	H	813	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	b	821	CLA	CAA-C2A-C3A	-2.53	106.17	113.00
14	A	802	CLA	CMA-C3A-C4A	2.53	118.56	111.77
14	A	808	CLA	CAA-C2A-C3A	-2.53	106.17	113.00
14	b	829	CLA	CBC-CAC-C3C	-2.53	105.57	112.42
14	b	821	CLA	CHB-C4A-NA	2.53	128.04	124.40
14	B	811	CLA	CAC-C3C-C4C	2.53	128.08	124.79
14	b	836	CLA	C3C-C4C-NC	2.53	113.67	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	820	CLA	CMB-C2B-C3B	2.52	132.49	126.55
14	A	813	CLA	C3D-C4D-ND	2.52	114.09	109.99
14	H	835	CLA	C3D-C4D-ND	2.52	114.09	109.99
14	G	815	CLA	CMC-C2C-C1C	2.52	128.98	125.03
14	l	205	CLA	C3C-C4C-NC	2.52	113.66	110.43
16	H	848	BCR	C15-C14-C13	-2.52	123.74	127.28
14	G	819	CLA	C4-C3-C5	2.52	119.61	115.23
16	H	844	BCR	C15-C14-C13	-2.52	123.74	127.28
14	a	807	CLA	CMA-C3A-C4A	2.52	118.55	111.77
14	H	803	CLA	CMA-C3A-C4A	2.52	118.55	111.77
14	b	808	CLA	CMA-C3A-C4A	2.52	118.55	111.77
14	B	803	CLA	CMC-C2C-C1C	2.52	128.98	125.03
14	a	839	CLA	CMA-C3A-C4A	2.52	118.55	111.77
16	j	1305	BCR	C12-C13-C14	-2.52	115.04	119.01
14	H	840	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	B	839	CLA	CMA-C3A-C4A	2.52	118.55	111.77
14	H	810	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
14	B	842	CLA	C4D-C3D-CAD	2.52	110.84	108.11
14	a	816	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	a	837	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	a	826	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	b	815	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	b	827	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	a	831	CLA	CMD-C2D-C3D	-2.52	121.91	127.69
14	B	820	CLA	C4D-C3D-CAD	2.52	110.84	108.11
16	A	846	BCR	C27-C26-C25	-2.52	119.30	122.70
16	a	849	BCR	C30-C25-C26	-2.52	119.19	122.64
14	a	834	CLA	CMB-C2B-C1B	2.52	129.25	125.42
14	A	823	CLA	C4D-C3D-CAD	2.52	110.84	108.11
14	b	822	CLA	OBD-CAD-C3D	-2.52	122.53	128.42
14	G	822	CLA	CMD-C2D-C3D	-2.52	121.91	127.69
14	A	827	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	G	820	CLA	C4D-C3D-CAD	2.52	110.84	108.11
14	G	839	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	a	802	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
14	H	826	CLA	CAC-C3C-C4C	2.52	128.06	124.79
16	I	101	BCR	C37-C22-C21	-2.52	118.74	122.82
14	A	819	CLA	C4-C3-C5	2.52	119.60	115.23
14	b	817	CLA	CMB-C2B-C3B	2.52	132.47	126.55
14	U	206	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
14	A	825	CLA	C1-C2-C3	-2.52	122.07	126.20
14	G	832	CLA	C1-C2-C3	-2.52	122.07	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	830	CLA	CMA-C3A-C4A	2.52	118.54	111.77
14	b	818	CLA	CMA-C3A-C4A	2.52	118.54	111.77
14	R	101	CLA	C4-C3-C5	2.52	119.59	115.23
16	H	847	BCR	C31-C1-C6	-2.52	106.30	110.24
14	B	810	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
14	A	806	CLA	CMD-C2D-C3D	-2.51	121.92	127.69
14	a	806	CLA	O2D-CGD-O1D	-2.51	118.95	123.85
16	F	202	BCR	C34-C9-C8	2.51	121.93	118.09
14	b	833	CLA	C3C-C4C-NC	2.51	113.65	110.43
16	B	849	BCR	C1-C6-C5	-2.51	119.20	122.64
14	b	826	CLA	CMB-C2B-C1B	2.51	129.25	125.42
14	m	1201	CLA	CHB-C4A-NA	2.51	128.03	124.40
14	U	201	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
16	A	847	BCR	C35-C13-C12	2.51	121.93	118.09
14	k	101	CLA	C4D-C3D-CAD	2.51	110.83	107.69
16	A	848	BCR	C35-C13-C12	2.51	121.93	118.09
14	T	102	CLA	CMB-C2B-C1B	2.51	129.24	125.42
16	b	843	BCR	C37-C22-C21	-2.51	118.75	122.82
14	U	201	CLA	CMB-C2B-C1B	2.51	129.24	125.42
14	a	825	CLA	C3C-C4C-NC	2.51	113.65	110.43
14	H	810	CLA	CAA-C2A-C3A	-2.51	106.21	113.00
14	H	804	CLA	CMD-C2D-C3D	-2.51	121.93	127.69
14	a	836	CLA	O2A-C1-C2	2.51	117.77	108.11
14	G	807	CLA	C1-C2-C3	-2.51	122.08	126.20
14	H	833	CLA	CAC-C3C-C4C	2.51	128.06	124.79
16	j	1305	BCR	C33-C5-C6	-2.51	121.75	124.48
14	B	838	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
14	A	806	CLA	CAC-C3C-C4C	2.51	128.06	124.79
14	B	810	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	G	818	CLA	CAC-C3C-C4C	2.51	128.05	124.79
14	H	828	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	a	811	CLA	CMC-C2C-C1C	2.51	128.95	125.03
14	A	805	CLA	C4D-C3D-CAD	2.51	110.83	108.11
16	B	845	BCR	C36-C18-C17	-2.51	118.75	122.82
14	a	808	CLA	CMB-C2B-C3B	2.51	132.45	126.55
14	B	833	CLA	CAC-C3C-C4C	2.51	128.05	124.79
14	H	825	CLA	CAC-C3C-C4C	2.51	128.05	124.79
14	H	802	CLA	C4-C3-C5	2.51	119.58	115.23
14	A	822	CLA	C3D-C4D-ND	2.51	114.06	109.99
14	G	837	CLA	C3D-C4D-ND	2.51	114.06	109.99
14	G	810	CLA	C3D-C4D-ND	2.51	114.06	109.99
14	G	813	CLA	O1D-CGD-CBD	-2.51	119.58	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	846	BCR	C35-C13-C12	2.51	121.92	118.09
16	l	202	BCR	C34-C9-C8	2.51	121.92	118.09
13	a	801	CL0	C6-C5-C3	-2.51	107.36	113.47
14	a	853	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	B	825	CLA	CAA-CBA-CGA	-2.51	105.81	112.49
16	H	848	BCR	C36-C18-C17	-2.51	118.76	122.82
14	Q	202	CLA	C4D-C3D-CAD	2.51	110.83	108.11
14	H	820	CLA	O2D-CGD-O1D	-2.51	118.97	123.85
14	G	834	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	B	836	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	H	802	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	H	842	CLA	C1-C2-C3	-2.50	122.09	126.20
14	a	825	CLA	C3D-C4D-ND	2.50	114.06	109.99
14	A	808	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	G	840	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	A	808	CLA	CMB-C2B-C3B	2.50	132.44	126.55
14	G	825	CLA	C3D-C4D-ND	2.50	114.06	109.99
14	L	201	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	a	804	CLA	C3D-C4D-ND	2.50	114.06	109.99
14	a	815	CLA	C3D-C4D-ND	2.50	114.06	109.99
14	G	808	CLA	CAA-C2A-C3A	-2.50	106.23	113.00
14	A	802	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	a	829	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	G	805	CLA	C4-C3-C5	2.50	119.57	115.23
14	b	819	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	b	825	CLA	CHC-C1C-C2C	-2.50	119.84	126.95
14	b	803	CLA	C3C-C4C-NC	2.50	113.64	110.43
14	H	801	CLA	CMB-C2B-C1B	-2.50	121.61	125.42
14	A	810	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	A	836	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	b	832	CLA	CAA-CBA-CGA	-2.50	106.11	113.21
14	a	822	CLA	CMD-C2D-C3D	-2.50	121.96	127.69
14	G	812	CLA	C4-C3-C5	2.50	119.57	115.23
14	k	102	CLA	C3C-C4C-NC	2.50	113.63	110.43
16	F	202	BCR	C7-C8-C9	-2.50	122.54	126.23
14	B	833	CLA	C3C-C4C-NC	2.50	113.63	110.43
14	A	829	CLA	CMA-C3A-C4A	2.50	118.49	111.77
14	B	842	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
16	B	848	BCR	C36-C18-C17	-2.50	118.77	122.82
14	H	812	CLA	C3C-C4C-NC	2.50	113.63	110.43
14	b	816	CLA	C3C-C4C-NC	2.50	113.63	110.43
14	G	810	CLA	C1-O2A-CGA	2.50	122.70	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	815	CLA	CMD-C2D-C3D	-2.50	121.96	127.69
14	b	824	CLA	OBD-CAD-C3D	-2.50	122.58	128.42
14	b	827	CLA	CMB-C2B-C3B	2.50	132.42	126.55
14	G	827	CLA	O1D-CGD-CBD	-2.50	119.59	124.52
14	H	819	CLA	C4-C3-C5	2.50	119.56	115.23
14	a	830	CLA	CMA-C3A-C4A	2.50	118.48	111.77
14	G	822	CLA	C3D-C4D-ND	2.50	114.04	109.99
14	G	832	CLA	C3D-C4D-ND	2.50	114.04	109.99
14	b	830	CLA	CAC-C3C-C4C	2.50	128.04	124.79
14	a	828	CLA	C1-C2-C3	-2.50	122.11	126.20
14	J	1302	CLA	C3C-C4C-NC	2.50	113.63	110.43
16	B	844	BCR	C30-C25-C26	-2.50	119.23	122.64
14	G	827	CLA	CMD-C2D-C3D	-2.49	121.97	127.69
14	a	813	CLA	CMD-C2D-C3D	-2.49	121.97	127.69
14	H	824	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	B	834	CLA	CAC-C3C-C4C	2.49	128.03	124.79
14	a	824	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	a	816	CLA	CMB-C2B-C1B	2.49	129.22	125.42
14	W	1701	CLA	CMB-C2B-C1B	2.49	129.22	125.42
14	A	823	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
14	G	816	CLA	CMB-C2B-C1B	2.49	129.22	125.42
14	A	812	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	b	840	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
14	G	816	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	G	826	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	b	810	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	G	806	CLA	C4D-C3D-CAD	2.49	110.81	108.11
13	a	801	CL0	O2D-CGD-O1D	-2.49	119.00	123.85
14	A	813	CLA	CMD-C2D-C3D	-2.49	121.98	127.69
14	b	830	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	K	1401	CLA	C3C-C4C-NC	2.49	113.62	110.43
16	f	201	BCR	C30-C25-C26	-2.49	119.23	122.64
14	b	807	CLA	CMD-C2D-C3D	-2.49	121.98	127.69
14	A	841	CLA	C4D-C3D-CAD	2.49	110.81	107.69
14	A	808	CLA	C4D-C3D-CAD	2.49	110.81	108.11
16	G	843	BCR	C34-C9-C10	-2.49	118.78	122.82
14	H	825	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	A	813	CLA	O1D-CGD-CBD	-2.49	119.61	124.52
14	A	827	CLA	C4-C3-C5	2.49	119.55	115.23
14	L	205	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	b	826	CLA	C1-C2-C3	-2.49	122.12	126.20
16	i	101	BCR	C36-C18-C17	-2.49	118.79	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	835	CLA	CAC-C3C-C4C	2.49	128.03	124.79
14	H	841	CLA	C1-C2-C3	-2.49	122.12	126.20
16	b	846	BCR	C19-C18-C17	2.49	122.92	119.01
14	a	841	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	A	815	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
14	H	810	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
14	B	812	CLA	CAC-C3C-C4C	2.49	128.03	124.79
14	G	816	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
14	a	832	CLA	C3C-C4C-NC	2.49	113.61	110.43
14	H	811	CLA	CMA-C3A-C4A	2.49	118.45	111.77
14	F	201	CLA	CMC-C2C-C1C	2.49	128.92	125.03
14	j	1303	CLA	C4D-C3D-CAD	2.49	110.80	107.69
13	a	801	CL0	C4-C3-C5	2.49	119.54	115.23
14	a	834	CLA	C3D-C4D-ND	2.48	114.03	109.99
14	L	206	CLA	C3D-C4D-ND	2.48	114.03	109.99
16	B	848	BCR	C15-C14-C13	-2.48	123.79	127.28
14	B	815	CLA	C1-C2-C3	-2.48	122.13	126.20
14	a	827	CLA	CMD-C2D-C3D	-2.48	121.99	127.69
14	B	806	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	S	102	CLA	CMB-C2B-C1B	2.48	129.20	125.42
14	H	817	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	H	816	CLA	CMA-C3A-C4A	2.48	118.44	111.77
16	b	847	BCR	C35-C13-C12	2.48	121.88	118.09
14	A	852	CLA	CMC-C2C-C3C	-2.48	119.44	126.15
14	b	833	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	G	822	CLA	C1-O2A-CGA	2.48	122.66	116.65
14	a	820	CLA	C4D-C3D-CAD	2.48	110.80	108.11
16	H	848	BCR	C19-C18-C17	2.48	122.91	119.01
16	R	102	BCR	C2-C1-C6	2.48	114.04	110.44
16	b	848	BCR	C33-C5-C6	-2.48	121.78	124.48
14	B	809	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	a	812	CLA	C4-C3-C5	2.48	119.53	115.23
16	b	842	BCR	C30-C25-C26	-2.48	119.25	122.64
14	a	837	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	B	835	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	H	807	CLA	C3D-C4D-ND	2.48	114.02	109.99
14	B	813	CLA	CMA-C3A-C4A	2.48	118.44	111.77
14	a	806	CLA	CAA-C2A-C3A	-2.48	106.30	113.00
14	b	832	CLA	CED-O2D-CGD	2.48	121.54	115.92
14	a	838	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	B	830	CLA	C3C-C4C-NC	2.48	113.61	110.43
14	H	813	CLA	CMC-C2C-C1C	2.48	128.91	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	101	CLA	C4D-C3D-CAD	2.48	110.79	107.69
14	G	816	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
14	U	206	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	H	826	CLA	CHA-C4D-ND	2.48	137.66	132.55
16	b	846	BCR	C36-C18-C17	-2.48	118.80	122.82
14	B	838	CLA	C3D-C4D-ND	2.48	114.01	109.99
14	T	102	CLA	C3C-C4C-NC	2.48	113.60	110.43
14	A	840	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
16	G	845	BCR	C27-C26-C25	-2.48	119.36	122.70
14	H	834	CLA	C3C-C4C-NC	2.48	113.60	110.43
14	G	825	CLA	C3C-C4C-NC	2.47	113.60	110.43
16	l	206	BCR	C33-C5-C6	-2.47	121.78	124.48
14	B	829	CLA	C1-C2-C3	-2.47	122.14	126.20
14	a	804	CLA	C1-O2A-CGA	2.47	122.64	116.65
14	a	823	CLA	C3D-C4D-ND	2.47	114.01	109.99
16	U	202	BCR	C34-C9-C8	2.47	121.87	118.09
14	H	840	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	b	838	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	A	835	CLA	O2D-CGD-O1D	-2.47	119.03	123.85
14	B	820	CLA	O2D-CGD-O1D	-2.47	119.03	123.85
14	G	805	CLA	C4D-C3D-CAD	2.47	110.79	108.11
14	G	851	CLA	C4C-C3C-C2C	-2.47	103.29	106.89
14	A	827	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	A	830	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	a	805	CLA	C4-C3-C5	2.47	119.52	115.23
14	a	804	CLA	C1-C2-C3	-2.47	122.15	126.20
14	b	839	CLA	C1-C2-C3	-2.47	122.15	126.20
14	b	823	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
14	K	1401	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
16	A	844	BCR	C34-C9-C10	-2.47	118.81	122.82
14	a	802	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	A	811	CLA	CMC-C2C-C1C	2.47	128.90	125.03
14	S	102	CLA	C4D-C3D-CAD	2.47	110.78	107.69
16	b	847	BCR	C34-C9-C10	-2.47	118.81	122.82
14	b	807	CLA	CAA-C2A-C3A	-2.47	106.32	113.00
14	H	819	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	H	833	CLA	C3C-C4C-NC	2.47	113.59	110.43
14	A	827	CLA	CMA-C3A-C4A	2.47	118.41	111.77
13	A	801	CL0	CMC-C2C-C1C	2.47	128.89	125.03
14	G	811	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	B	803	CLA	CMA-C3A-C4A	2.47	118.41	111.77
14	H	808	CLA	CMB-C2B-C3B	2.47	132.36	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	821	CLA	C4C-C3C-C2C	-2.47	103.30	106.89
14	b	817	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
14	b	810	CLA	CMD-C2D-C3D	-2.47	122.03	127.69
14	G	835	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
14	G	834	CLA	C3D-C4D-ND	2.47	114.00	109.99
16	B	845	BCR	C37-C22-C21	-2.47	118.82	122.82
16	L	207	BCR	C33-C5-C6	-2.47	121.79	124.48
14	B	812	CLA	C1-O2A-CGA	2.47	122.62	116.65
14	B	840	CLA	CMD-C2D-C3D	-2.47	122.03	127.69
14	B	834	CLA	CAA-CBA-CGA	-2.47	106.20	113.21
16	I	101	BCR	C2-C1-C6	2.47	114.02	110.44
14	A	834	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	H	831	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	b	836	CLA	C3D-C4D-ND	2.47	114.00	109.99
16	G	846	BCR	C31-C1-C6	-2.47	106.38	110.24
14	A	841	CLA	C1C-C2C-C3C	-2.46	104.39	106.98
14	H	812	CLA	C1-O2A-CGA	2.46	122.62	116.65
14	b	818	CLA	CHC-C1C-C2C	-2.46	119.94	126.95
14	Q	202	CLA	CMB-C2B-C1B	2.46	129.17	125.42
14	b	801	CLA	CAA-C2A-C3A	-2.46	106.34	113.00
14	G	802	CLA	CMA-C3A-C4A	2.46	118.39	111.77
14	H	802	CLA	C3D-C4D-ND	2.46	113.99	109.99
13	G	801	CL0	CHD-C1D-ND	-2.46	121.34	124.80
14	T	102	CLA	CMC-C2C-C1C	2.46	128.88	125.03
14	B	818	CLA	CMA-C3A-C4A	2.46	118.39	111.77
14	H	833	CLA	C3D-C4D-ND	2.46	113.99	109.99
14	a	803	CLA	C1-C2-C3	-2.46	122.16	126.20
14	G	832	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
14	b	821	CLA	C3D-C4D-ND	2.46	113.99	109.99
16	I	101	BCR	C36-C18-C17	-2.46	118.83	122.82
14	a	830	CLA	CMD-C2D-C3D	-2.46	122.04	127.69
16	a	846	BCR	C7-C8-C9	-2.46	122.59	126.23
14	a	852	CLA	C4-C3-C5	2.46	119.50	115.23
14	G	836	CLA	C4D-C3D-CAD	2.46	110.78	108.11
16	R	102	BCR	C37-C22-C21	-2.46	118.83	122.82
14	A	815	CLA	CMA-C3A-C4A	2.46	118.39	111.77
14	A	807	CLA	C6-C5-C3	-2.46	107.47	113.47
14	G	808	CLA	CMB-C2B-C3B	2.46	132.34	126.55
14	B	807	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	a	810	CLA	C3D-C4D-ND	2.46	113.98	109.99
14	G	818	CLA	CMC-C2C-C1C	2.46	128.88	125.03
14	B	826	CLA	CMA-C3A-C2A	2.46	123.49	113.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	801	CLA	CHB-C1B-C2B	-2.46	120.29	127.43
14	R	101	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	U	207	CLA	C1-C2-C3	-2.46	122.17	126.20
14	A	817	CLA	C4D-C3D-CAD	2.46	110.78	108.11
14	b	825	CLA	CAC-C3C-C4C	2.46	127.99	124.79
16	G	844	BCR	C34-C9-C8	2.46	121.84	118.09
14	H	835	CLA	CMD-C2D-C3D	-2.46	122.05	127.69
14	A	807	CLA	CMA-C3A-C4A	2.46	118.38	111.77
14	H	819	CLA	C3D-C4D-ND	2.46	113.98	109.99
14	b	829	CLA	CHA-C1A-NA	-2.46	120.83	126.39
14	B	837	CLA	CMD-C2D-C3D	-2.46	122.06	127.69
14	j	1303	CLA	CMD-C2D-C3D	-2.46	122.06	127.69
14	b	806	CLA	C1-C2-C3	-2.46	122.17	126.20
14	B	827	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	H	825	CLA	C4D-C3D-CAD	2.46	110.77	108.11
14	a	838	CLA	CMB-C2B-C3B	2.46	132.33	126.55
16	A	847	BCR	C30-C25-C26	-2.46	119.28	122.64
16	b	845	BCR	C30-C25-C26	-2.46	119.28	122.64
14	b	828	CLA	CMA-C3A-C4A	2.46	118.37	111.77
14	H	815	CLA	CMA-C3A-C4A	2.46	118.37	111.77
14	G	808	CLA	CMD-C2D-C3D	-2.45	122.06	127.69
14	k	102	CLA	CMC-C2C-C1C	2.45	128.87	125.03
16	j	1305	BCR	C38-C26-C25	-2.45	121.81	124.48
14	B	818	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	G	823	CLA	O2D-CGD-O1D	-2.45	119.07	123.85
16	M	1602	BCR	C38-C26-C27	2.45	118.83	113.60
14	B	828	CLA	C3C-C4C-NC	2.45	113.57	110.43
16	a	846	BCR	C30-C25-C26	-2.45	119.28	122.64
14	A	803	CLA	C1-C2-C3	-2.45	122.18	126.20
14	A	830	CLA	CAA-C2A-C3A	-2.45	106.37	113.00
14	A	833	CLA	CMB-C2B-C3B	2.45	132.32	126.55
14	G	828	CLA	C4-C3-C5	2.45	119.48	115.23
14	j	1302	CLA	C3C-C4C-NC	2.45	113.57	110.43
16	S	104	BCR	C34-C9-C10	-2.45	118.84	122.82
14	j	1302	CLA	CMB-C2B-C3B	2.45	132.31	126.55
14	A	805	CLA	C3D-C4D-ND	2.45	113.97	109.99
14	a	827	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	S	101	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	b	835	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	T	102	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	a	835	CLA	O2D-CGD-O1D	-2.45	119.08	123.85
14	H	819	CLA	O2D-CGD-O1D	-2.45	119.08	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	814	CLA	C4D-C3D-CAD	2.45	110.77	108.11
17	G	849	LHG	C5-O7-C7	-2.45	111.93	117.80
14	H	841	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	b	809	CLA	C2B-C1B-NB	2.45	112.87	110.33
14	A	820	CLA	CMA-C3A-C4A	2.45	118.36	111.77
14	B	813	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
16	A	846	BCR	C30-C25-C26	-2.45	119.29	122.64
16	U	203	BCR	C34-C9-C8	2.45	121.83	118.09
14	G	833	CLA	C3D-C4D-ND	2.45	113.97	109.99
14	H	805	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	b	802	CLA	C3D-C4D-ND	2.45	113.97	109.99
14	a	821	CLA	CAC-C3C-C4C	2.45	127.97	124.79
16	H	852	BCR	C4-C5-C6	-2.45	119.40	122.70
14	B	834	CLA	CED-O2D-CGD	2.45	121.47	115.92
14	G	825	CLA	C1-C2-C3	-2.45	122.19	126.20
14	B	817	CLA	C3D-C4D-ND	2.45	113.96	109.99
16	B	852	BCR	C37-C22-C21	-2.45	118.85	122.82
16	R	102	BCR	C34-C9-C10	-2.45	118.85	122.82
14	G	822	CLA	O2D-CGD-O1D	-2.45	119.09	123.85
14	H	837	CLA	C4D-C3D-CAD	2.45	110.76	108.11
14	a	833	CLA	C3C-C4C-NC	2.45	113.56	110.43
14	U	207	CLA	C3D-C4D-ND	2.45	113.96	109.99
14	k	102	CLA	CMD-C2D-C3D	-2.45	122.08	127.69
16	H	846	BCR	C38-C26-C25	-2.45	121.82	124.48
14	H	827	CLA	CAC-C3C-C4C	2.45	127.97	124.79
14	a	834	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	b	825	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	G	823	CLA	CMC-C2C-C1C	2.44	128.85	125.03
14	a	812	CLA	C3D-C4D-ND	2.44	113.96	109.99
16	L	209	BCR	C34-C9-C8	2.44	121.82	118.09
14	b	835	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	B	825	CLA	C2A-C3A-C4A	2.44	105.82	101.87
14	b	832	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	H	815	CLA	C1-C2-C3	-2.44	122.19	126.20
16	G	848	BCR	C19-C18-C17	2.44	122.85	119.01
14	B	826	CLA	C3D-C4D-ND	2.44	113.96	109.99
14	a	809	CLA	CMB-C2B-C1B	2.44	129.14	125.42
14	S	102	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	B	829	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	l	205	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	G	834	CLA	CMB-C2B-C1B	2.44	129.14	125.42
16	B	847	BCR	C33-C5-C6	-2.44	121.82	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	820	CLA	CMA-C3A-C4A	2.44	118.34	111.77
14	G	803	CLA	C1-C2-C3	-2.44	122.20	126.20
14	A	823	CLA	CAC-C3C-C4C	2.44	127.97	124.79
16	H	845	BCR	C37-C22-C21	-2.44	118.86	122.82
16	H	850	BCR	C36-C18-C17	-2.44	118.86	122.82
14	G	830	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
14	G	804	CLA	CMC-C2C-C1C	2.44	128.85	125.03
14	H	815	CLA	C3D-C4D-ND	2.44	113.95	109.99
14	a	822	CLA	C3D-C4D-ND	2.44	113.95	109.99
14	a	806	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	B	801	CLA	CAA-C2A-C3A	-2.44	106.41	113.00
14	H	826	CLA	CHB-C1B-C2B	-2.44	120.35	127.43
14	b	826	CLA	C4D-C3D-CAD	2.44	110.75	108.11
14	b	839	CLA	CMC-C2C-C1C	2.44	128.84	125.03
16	B	850	BCR	C33-C5-C6	-2.44	121.82	124.48
14	A	828	CLA	C1-C2-C3	-2.44	122.20	126.20
14	a	817	CLA	C4D-C3D-CAD	2.44	110.75	108.11
14	G	836	CLA	C1-O2A-CGA	2.44	122.55	116.65
14	A	834	CLA	C3C-C4C-NC	2.44	113.55	110.43
14	a	825	CLA	C1-C2-C3	-2.44	122.20	126.20
14	G	851	CLA	O2D-CGD-O1D	-2.44	119.10	123.85
16	a	848	BCR	C7-C8-C9	-2.44	122.63	126.23
14	A	830	CLA	CMA-C3A-C4A	2.44	118.32	111.77
14	H	828	CLA	C7-C6-C5	-2.44	106.77	113.26
14	B	839	CLA	O2D-CGD-O1D	-2.44	119.10	123.85
14	H	802	CLA	CMB-C2B-C1B	2.44	129.13	125.42
14	G	818	CLA	C4D-C3D-CAD	2.44	110.75	108.11
14	b	836	CLA	C4D-C3D-CAD	2.44	110.75	108.11
14	A	831	CLA	CMD-C2D-C3D	-2.44	122.10	127.69
14	b	840	CLA	C3C-C4C-NC	2.44	113.55	110.43
13	G	801	CL0	O2D-CGD-O1D	-2.44	119.11	123.85
14	H	815	CLA	C4C-C3C-C2C	-2.44	103.35	106.89
14	B	820	CLA	CMB-C2B-C3B	2.44	132.28	126.55
16	B	848	BCR	C37-C22-C21	-2.44	118.87	122.82
14	A	837	CLA	C4D-C3D-CAD	2.43	110.75	108.11
14	B	841	CLA	CMD-C2D-C3D	-2.43	122.11	127.69
14	G	811	CLA	CAC-C3C-C4C	2.43	127.96	124.79
16	G	846	BCR	C33-C5-C4	2.43	118.78	113.60
14	a	836	CLA	CMB-C2B-C1B	2.43	129.12	125.42
14	b	821	CLA	C3C-C4C-NC	2.43	113.55	110.43
16	H	847	BCR	C12-C13-C14	2.43	122.83	119.01
13	a	801	CL0	C3D-C4D-ND	2.43	113.94	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	848	BCR	C19-C18-C17	2.43	122.83	119.01
14	H	826	CLA	CHD-C4C-C3C	-2.43	121.23	124.77
14	a	805	CLA	C4D-C3D-CAD	2.43	110.75	108.11
14	B	835	CLA	C3C-C4C-NC	2.43	113.55	110.43
14	A	830	CLA	O1D-CGD-CBD	-2.43	119.72	124.52
16	I	101	BCR	C34-C9-C10	-2.43	118.88	122.82
14	H	809	CLA	C4-C3-C5	2.43	119.45	115.23
14	G	820	CLA	CMC-C2C-C1C	2.43	128.83	125.03
14	a	827	CLA	O1D-CGD-CBD	-2.43	119.72	124.52
14	H	841	CLA	C3D-C4D-ND	2.43	113.94	109.99
16	Q	203	BCR	C30-C25-C26	-2.43	119.31	122.64
14	H	821	CLA	CMA-C3A-C4A	2.43	118.31	111.77
16	G	848	BCR	C24-C25-C26	-2.43	115.96	121.56
14	H	828	CLA	CHC-C1C-C2C	-2.43	120.04	126.95
14	B	818	CLA	C3D-C4D-ND	2.43	113.94	109.99
14	B	801	CLA	CAC-C3C-C2C	2.43	132.02	127.56
13	a	801	CL0	C4D-C3D-CAD	2.43	110.75	108.11
14	J	1303	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	A	842	CLA	CMB-C2B-C1B	2.43	129.12	125.42
14	a	807	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	H	813	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	H	841	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
14	B	828	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	b	830	CLA	C3D-C4D-ND	2.43	113.93	109.99
16	B	849	BCR	C34-C9-C10	-2.43	118.88	122.82
14	G	806	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	a	816	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	U	207	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	a	833	CLA	C3D-C4D-ND	2.43	113.93	109.99
14	b	806	CLA	C4-C3-C5	2.43	119.44	115.23
14	B	834	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	H	821	CLA	C3C-C4C-NC	2.43	113.54	110.43
16	H	847	BCR	C30-C25-C26	-2.43	119.32	122.64
14	b	802	CLA	C4-C3-C5	2.43	119.44	115.23
14	H	811	CLA	O1D-CGD-CBD	-2.43	119.73	124.52
14	B	831	CLA	CMA-C3A-C4A	2.43	118.30	111.77
14	K	1401	CLA	CMC-C2C-C1C	2.43	128.83	125.03
14	B	831	CLA	CMB-C2B-C3B	2.43	132.26	126.55
14	a	835	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	H	837	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	G	818	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	G	820	CLA	C3C-C4C-NC	2.43	113.54	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	810	CLA	C4-C3-C5	2.43	119.44	115.23
14	R	101	CLA	C3D-C4D-ND	2.43	113.93	109.99
16	l	201	BCR	C23-C24-C25	-2.43	120.52	127.00
14	H	801	CLA	C3D-C4D-ND	2.42	113.93	109.99
14	H	818	CLA	C3C-C4C-NC	2.42	113.54	110.43
14	b	810	CLA	CED-O2D-CGD	2.42	121.42	115.92
14	A	809	CLA	O2D-CGD-O1D	-2.42	119.13	123.85
14	b	806	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	A	826	CLA	CMD-C2D-C3D	-2.42	122.13	127.69
14	b	834	CLA	C3C-C4C-NC	2.42	113.53	110.43
14	A	823	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	a	822	CLA	O2D-CGD-O1D	-2.42	119.13	123.85
14	a	820	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	A	811	CLA	CMD-C2D-C3D	-2.42	122.13	127.69
14	B	807	CLA	O1D-CGD-CBD	-2.42	119.74	124.52
14	B	802	CLA	C4D-C3D-CAD	2.42	110.74	108.11
14	b	810	CLA	C3C-C4C-NC	2.42	113.53	110.43
16	i	101	BCR	C37-C22-C21	-2.42	118.89	122.82
14	B	811	CLA	O1D-CGD-CBD	-2.42	119.74	124.52
16	H	852	BCR	C2-C3-C4	-2.42	105.95	111.28
14	G	838	CLA	C3D-C4D-ND	2.42	113.92	109.99
16	B	848	BCR	C34-C9-C10	-2.42	118.89	122.82
14	A	822	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	A	817	CLA	CMD-C2D-C3D	-2.42	122.14	127.69
14	a	825	CLA	CMA-C3A-C4A	2.42	118.28	111.77
14	A	813	CLA	C3C-C4C-NC	2.42	113.53	110.43
14	G	830	CLA	CMD-C2D-C3D	-2.42	122.14	127.69
14	X	1701	CLA	CAC-C3C-C4C	2.42	127.94	124.79
14	b	815	CLA	C3D-C4D-ND	2.42	113.92	109.99
16	G	846	BCR	C30-C25-C26	-2.42	119.33	122.64
14	a	832	CLA	C1-C2-C3	-2.42	122.23	126.20
14	b	821	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
14	A	810	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	G	823	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	A	803	CLA	O1D-CGD-CBD	-2.42	119.75	124.52
16	a	844	BCR	C34-C9-C10	-2.42	118.90	122.82
14	B	826	CLA	C1-O2A-CGA	2.42	122.50	116.65
16	a	847	BCR	C30-C25-C26	-2.42	119.33	122.64
14	a	842	CLA	CMB-C2B-C1B	2.42	129.10	125.42
14	B	833	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	b	814	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	U	207	CLA	C3C-C4C-NC	2.42	113.53	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	850	BCR	C31-C1-C6	-2.42	106.45	110.24
16	H	846	BCR	C34-C9-C8	2.42	121.78	118.09
14	A	834	CLA	CMD-C2D-C3D	-2.42	122.15	127.69
14	A	826	CLA	C1-C2-C3	-2.42	122.24	126.20
14	A	836	CLA	C6-C5-C3	-2.42	107.58	113.47
14	A	813	CLA	CAC-C3C-C4C	2.42	127.93	124.79
14	a	833	CLA	CMB-C2B-C3B	2.41	132.23	126.55
14	a	811	CLA	CMD-C2D-C3D	-2.41	122.15	127.69
14	a	809	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	a	819	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	a	826	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	B	827	CLA	OBD-CAD-C3D	-2.41	122.77	128.42
16	B	847	BCR	C12-C13-C14	2.41	122.81	119.01
14	H	830	CLA	C3C-C4C-NC	2.41	113.52	110.43
16	J	1304	BCR	C34-C9-C8	2.41	121.78	118.09
14	a	841	CLA	CMB-C2B-C1B	2.41	129.09	125.42
14	a	836	CLA	C4D-C3D-CAD	2.41	110.73	108.11
14	b	835	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
14	A	825	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	H	808	CLA	CHB-C4A-NA	2.41	127.88	124.40
16	U	202	BCR	C23-C24-C25	-2.41	120.55	127.00
14	G	837	CLA	C4D-C3D-CAD	2.41	110.73	108.11
14	A	816	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	B	808	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	a	830	CLA	O1D-CGD-CBD	-2.41	119.76	124.52
14	H	817	CLA	CMD-C2D-C3D	-2.41	122.16	127.69
14	G	817	CLA	CMC-C2C-C1C	2.41	128.80	125.03
14	G	814	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	B	819	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	b	809	CLA	C1-O2A-CGA	2.41	122.49	116.65
16	b	844	BCR	C34-C9-C8	2.41	121.77	118.09
14	G	806	CLA	CMB-C2B-C1B	2.41	129.09	125.42
14	H	819	CLA	C6-C5-C3	-2.41	107.59	113.47
14	A	825	CLA	O2D-CGD-O1D	-2.41	119.16	123.85
14	G	817	CLA	O1D-CGD-CBD	-2.41	119.76	124.52
14	B	837	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	b	838	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	B	829	CLA	CHC-C1C-C2C	-2.41	120.10	126.95
14	B	824	CLA	C3D-C4D-ND	2.41	113.90	109.99
14	a	837	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	b	835	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	a	831	CLA	CMC-C2C-C1C	2.41	128.80	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	807	CLA	C3D-C4D-ND	2.41	113.90	109.99
14	L	205	CLA	O2D-CGD-O1D	-2.41	119.16	123.85
14	b	818	CLA	C4-C3-C5	2.41	119.41	115.23
14	X	1701	CLA	O2D-CGD-O1D	-2.41	119.16	123.85
14	b	818	CLA	C4C-C3C-C2C	-2.41	103.39	106.89
14	B	812	CLA	CHC-C1C-C2C	-2.41	120.10	126.95
14	B	842	CLA	C1-C2-C3	-2.41	122.25	126.20
14	G	841	CLA	CMB-C2B-C1B	2.41	129.08	125.42
16	F	202	BCR	C12-C13-C14	2.41	122.80	119.01
16	A	849	BCR	C30-C25-C26	-2.41	119.35	122.64
14	G	816	CLA	CAA-C2A-C3A	-2.41	106.50	113.00
14	H	817	CLA	C3D-C4D-ND	2.41	113.90	109.99
16	H	849	BCR	C1-C6-C5	-2.41	119.35	122.64
14	A	824	CLA	O2D-CGD-O1D	-2.41	119.17	123.85
14	F	201	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	a	806	CLA	CMB-C2B-C1B	2.41	129.08	125.42
14	G	836	CLA	C6-C5-C3	-2.41	107.61	113.47
16	U	208	BCR	C23-C24-C25	2.41	133.42	127.00
16	G	848	BCR	C33-C5-C4	2.41	118.72	113.60
14	G	826	CLA	C1-C2-C3	-2.40	122.26	126.20
16	B	847	BCR	C30-C25-C26	-2.40	119.35	122.64
16	A	846	BCR	C7-C8-C9	-2.40	122.68	126.23
14	L	201	CLA	C3D-C4D-ND	2.40	113.89	109.99
14	G	839	CLA	CAC-C3C-C4C	2.40	127.92	124.79
14	B	803	CLA	CMD-C2D-C3D	-2.40	122.18	127.69
14	k	102	CLA	C3D-C4D-ND	2.40	113.89	109.99
16	j	1304	BCR	C34-C9-C8	2.40	121.76	118.09
14	l	203	CLA	CMB-C2B-C1B	2.40	129.08	125.42
14	G	827	CLA	C3C-C4C-NC	2.40	113.51	110.43
14	a	820	CLA	C3C-C4C-NC	2.40	113.51	110.43
14	A	832	CLA	O1D-CGD-CBD	-2.40	119.78	124.52
14	A	814	CLA	CAC-C3C-C4C	2.40	127.92	124.79
14	A	823	CLA	C3D-C4D-ND	2.40	113.89	109.99
14	a	823	CLA	O2D-CGD-O1D	-2.40	119.17	123.85
14	A	802	CLA	CMD-C2D-C3D	-2.40	122.18	127.69
14	a	833	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
14	H	803	CLA	C3C-C4C-NC	2.40	113.50	110.43
14	A	809	CLA	CBA-CAA-C2A	2.40	120.93	113.79
14	a	815	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
14	L	201	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
14	W	1701	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
16	L	202	BCR	C23-C24-C25	-2.40	120.59	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	832	CLA	C4D-C3D-CAD	2.40	110.71	108.11
14	b	818	CLA	C4D-C3D-CAD	2.40	110.71	108.11
14	S	101	CLA	CMB-C2B-C3B	2.40	132.19	126.55
14	a	816	CLA	C3C-C4C-NC	2.40	113.50	110.43
14	B	825	CLA	C3C-C4C-NC	2.40	113.50	110.43
16	b	846	BCR	C34-C9-C10	-2.40	118.93	122.82
14	G	828	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
14	A	816	CLA	C3D-C4D-ND	2.40	113.88	109.99
14	H	812	CLA	C4D-C3D-CAD	2.40	110.71	108.11
16	G	845	BCR	C30-C25-C26	-2.40	119.36	122.64
14	B	840	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
14	b	803	CLA	CMD-C2D-C3D	-2.40	122.19	127.69
14	b	839	CLA	CAA-C2A-C3A	-2.40	106.52	113.00
16	B	846	BCR	C34-C9-C8	2.40	121.75	118.09
14	B	840	CLA	C3C-C4C-NC	2.40	113.50	110.43
16	H	848	BCR	C34-C9-C10	-2.40	118.93	122.82
14	a	828	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
16	b	842	BCR	C15-C14-C13	-2.40	123.92	127.28
14	A	821	CLA	C3D-C4D-ND	2.40	113.88	109.99
14	G	802	CLA	C3D-C4D-ND	2.40	113.88	109.99
14	H	840	CLA	C3C-C4C-NC	2.40	113.50	110.43
14	G	811	CLA	CMD-C2D-C3D	-2.40	122.20	127.69
14	a	839	CLA	CMB-C2B-C1B	2.39	129.06	125.42
14	b	805	CLA	C4-C3-C5	2.39	119.38	115.23
14	B	829	CLA	C3C-C4C-NC	2.39	113.50	110.43
16	A	845	BCR	C34-C9-C8	2.39	121.75	118.09
14	b	815	CLA	CMA-C3A-C4A	2.39	118.20	111.77
14	T	102	CLA	C3D-C4D-ND	2.39	113.88	109.99
14	G	837	CLA	C3C-C4C-NC	2.39	113.50	110.43
14	b	818	CLA	C3C-C4C-NC	2.39	113.50	110.43
14	G	823	CLA	CMD-C2D-C3D	-2.39	122.20	127.69
14	a	814	CLA	C3D-C4D-ND	2.39	113.88	109.99
14	a	809	CLA	CBA-CAA-C2A	2.39	120.91	113.79
14	G	834	CLA	CMD-C2D-C3D	-2.39	122.20	127.69
14	m	1201	CLA	C3C-C4C-NC	2.39	113.49	110.43
16	a	847	BCR	C31-C1-C6	-2.39	106.49	110.24
14	H	821	CLA	C4-C3-C5	2.39	119.38	115.23
14	X	1701	CLA	C3D-C4D-ND	2.39	113.87	109.99
14	a	830	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
14	b	807	CLA	C1-C2-C3	-2.39	122.28	126.20
14	G	816	CLA	C3C-C4C-NC	2.39	113.49	110.43
14	B	803	CLA	C3C-C4C-NC	2.39	113.49	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	820	CLA	C4-C3-C5	2.39	119.38	115.23
14	J	1302	CLA	CMD-C2D-C3D	-2.39	122.21	127.69
16	U	202	BCR	C35-C13-C12	2.39	121.74	118.09
14	H	813	CLA	CED-O2D-CGD	2.39	121.33	115.92
14	A	833	CLA	C3D-C4D-ND	2.39	113.87	109.99
14	K	1401	CLA	C3D-C4D-ND	2.39	113.87	109.99
14	b	826	CLA	CMA-C3A-C4A	2.39	118.19	111.77
14	H	815	CLA	C1-O2A-CGA	2.39	122.43	116.65
14	a	824	CLA	O2D-CGD-O1D	-2.39	119.20	123.85
14	B	830	CLA	CMB-C2B-C3B	2.39	132.16	126.55
16	H	849	BCR	C33-C5-C4	2.39	118.69	113.60
14	J	1303	CLA	CMB-C2B-C1B	2.39	129.05	125.42
14	B	813	CLA	C3C-C4C-NC	2.39	113.49	110.43
14	A	819	CLA	C3D-C4D-ND	2.39	113.86	109.99
14	b	831	CLA	O2D-CGD-O1D	-2.39	119.20	123.85
14	a	817	CLA	CAA-C2A-C3A	-2.39	106.55	113.00
16	a	847	BCR	C7-C8-C9	-2.38	122.71	126.23
14	L	206	CLA	CMB-C2B-C3B	2.38	132.16	126.55
14	B	837	CLA	C4D-C3D-CAD	2.38	110.70	108.11
16	A	848	BCR	C36-C18-C17	-2.38	118.95	122.82
14	H	803	CLA	C3D-C4D-ND	2.38	113.86	109.99
14	B	803	CLA	C1-C2-C3	-2.38	122.29	126.20
14	A	828	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	L	206	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	H	802	CLA	C6-C5-C3	-2.38	107.66	113.47
14	H	836	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	a	810	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
16	A	847	BCR	C33-C5-C4	2.38	118.67	113.60
14	A	822	CLA	CAA-C2A-C3A	-2.38	106.56	113.00
16	U	208	BCR	C33-C5-C6	-2.38	121.89	124.48
14	a	841	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	A	831	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	A	834	CLA	CMB-C2B-C1B	2.38	129.04	125.42
14	a	818	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	a	834	CLA	CMD-C2D-C3D	-2.38	122.23	127.69
14	a	853	CLA	C4C-C3C-C2C	-2.38	103.43	106.89
14	H	841	CLA	CMB-C2B-C1B	2.38	129.04	125.42
14	A	822	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	F	201	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	G	823	CLA	CAC-C3C-C4C	2.38	127.89	124.79
14	A	832	CLA	C3D-C4D-ND	2.38	113.86	109.99
16	G	847	BCR	C19-C18-C17	2.38	122.75	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	850	BCR	C36-C18-C17	-2.38	118.96	122.82
14	G	821	CLA	CMB-C2B-C1B	2.38	129.04	125.42
14	G	824	CLA	C3D-C4D-ND	2.38	113.86	109.99
16	A	848	BCR	C7-C8-C9	-2.38	122.72	126.23
14	A	837	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	b	831	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	B	821	CLA	C4-C3-C5	2.38	119.36	115.23
14	b	837	CLA	CAA-C2A-C3A	-2.38	106.57	113.00
14	H	837	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	A	820	CLA	O2D-CGD-O1D	-2.38	119.22	123.85
14	b	838	CLA	O2D-CGD-O1D	-2.38	119.22	123.85
14	A	802	CLA	C3D-C4D-ND	2.38	113.85	109.99
14	G	803	CLA	CMD-C2D-C3D	-2.38	122.24	127.69
14	a	829	CLA	O1D-CGD-CBD	-2.38	119.83	124.52
14	B	821	CLA	CAC-C3C-C4C	2.38	127.88	124.79
16	l	201	BCR	C34-C9-C8	2.38	121.72	118.09
14	A	814	CLA	C3D-C4D-ND	2.38	113.85	109.99
14	F	201	CLA	CMD-C2D-C3D	-2.38	122.24	127.69
14	H	831	CLA	CMA-C3A-C4A	2.38	118.16	111.77
14	b	823	CLA	C1-O2A-CGA	2.38	122.40	116.65
14	a	811	CLA	CAC-C3C-C4C	2.38	127.88	124.79
14	a	805	CLA	C3D-C4D-ND	2.37	113.85	109.99
14	A	815	CLA	C3C-C4C-NC	2.37	113.47	110.43
14	B	812	CLA	C3C-C4C-NC	2.37	113.47	110.43
16	a	845	BCR	C34-C9-C8	2.37	121.72	118.09
14	b	825	CLA	C1-C2-C3	-2.37	122.31	126.20
14	H	813	CLA	CMA-C3A-C4A	2.37	118.15	111.77
14	x	1701	CLA	C3D-C4D-ND	2.37	113.84	109.99
16	S	103	BCR	C34-C9-C8	2.37	121.71	118.09
14	a	840	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	H	809	CLA	C1-O2A-CGA	2.37	122.39	116.65
14	m	1201	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	a	817	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	j	1302	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	H	840	CLA	O2D-CGD-O1D	-2.37	119.23	123.85
16	G	846	BCR	C1-C6-C5	-2.37	119.39	122.64
14	A	816	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	B	819	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
16	H	849	BCR	C29-C30-C25	2.37	113.89	110.44
14	G	808	CLA	CMC-C2C-C1C	2.37	128.74	125.03
14	A	838	CLA	C3D-C4D-ND	2.37	113.84	109.99
16	i	101	BCR	C34-C9-C10	-2.37	118.97	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	803	CLA	C1-C2-C3	-2.37	122.31	126.20
14	B	841	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	H	824	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	W	1701	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	A	841	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	a	808	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
16	b	842	BCR	C34-C9-C10	-2.37	118.97	122.82
16	A	847	BCR	C1-C6-C5	-2.37	119.40	122.64
14	H	802	CLA	CMA-C3A-C4A	2.37	118.14	111.77
14	H	837	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	b	811	CLA	CAC-C3C-C4C	2.37	127.87	124.79
14	H	803	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	b	807	CLA	C6-C5-C3	-2.37	107.69	113.47
14	B	823	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	B	819	CLA	C6-C5-C3	-2.37	107.70	113.47
14	G	805	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	A	831	CLA	O2D-CGD-O1D	-2.37	119.24	123.85
14	l	205	CLA	O2D-CGD-O1D	-2.37	119.24	123.85
14	a	839	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	B	815	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	B	821	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	S	101	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
16	G	844	BCR	C2-C1-C6	2.37	113.88	110.44
16	b	847	BCR	C12-C13-C14	-2.37	115.28	119.01
16	L	202	BCR	C19-C18-C17	2.37	122.73	119.01
14	a	807	CLA	C1-O2A-CGA	2.37	122.38	116.65
14	U	201	CLA	C4-C3-C5	2.37	119.34	115.23
14	G	819	CLA	C3C-C4C-NC	2.37	113.46	110.43
14	B	832	CLA	CHA-C4D-ND	2.37	137.43	132.55
16	U	208	BCR	C15-C14-C13	-2.37	123.96	127.28
14	U	201	CLA	C3D-C4D-ND	2.37	113.83	109.99
14	H	801	CLA	CHD-C4C-C3C	-2.37	121.32	124.77
14	A	842	CLA	CAA-C2A-C3A	-2.37	106.61	113.00
14	G	827	CLA	CHB-C1B-C2B	-2.37	120.56	127.43
14	b	801	CLA	CHB-C1B-C2B	-2.37	120.56	127.43
14	B	811	CLA	CMA-C3A-C4A	2.37	118.13	111.77
14	b	812	CLA	CMA-C3A-C4A	2.37	118.13	111.77
14	B	808	CLA	CMB-C2B-C3B	2.37	132.11	126.55
16	a	847	BCR	C33-C5-C4	2.36	118.64	113.60
14	U	205	CLA	CBA-CAA-C2A	2.36	120.83	113.79
14	a	819	CLA	C3C-C4C-NC	2.36	113.46	110.43
14	A	840	CLA	CMB-C2B-C1B	2.36	129.02	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	205	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	W	1701	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	H	812	CLA	C2B-C1B-NB	2.36	112.78	110.33
14	B	832	CLA	CBC-CAC-C3C	-2.36	106.01	112.42
14	T	101	CLA	CMD-C2D-C3D	-2.36	122.27	127.69
14	A	852	CLA	CHD-C4C-C3C	-2.36	121.33	124.77
16	l	201	BCR	C35-C13-C12	2.36	121.70	118.09
14	S	102	CLA	C3C-C4C-NC	2.36	113.46	110.43
14	B	806	CLA	CMC-C2C-C1C	2.36	128.72	125.03
16	R	102	BCR	C38-C26-C27	2.36	118.63	113.60
14	a	817	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	b	826	CLA	CBA-CAA-C2A	2.36	120.82	113.79
14	b	831	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	a	820	CLA	CMA-C3A-C4A	2.36	118.12	111.77
14	b	822	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	A	837	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	B	809	CLA	C1-O2A-CGA	2.36	122.36	116.65
16	b	845	BCR	C1-C6-C7	2.36	122.05	115.65
14	a	820	CLA	O2D-CGD-O1D	-2.36	119.25	123.85
14	a	824	CLA	CHD-C1D-ND	-2.36	121.48	124.80
14	G	829	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
16	G	844	BCR	C34-C9-C10	-2.36	119.00	122.82
14	F	201	CLA	C4B-CHC-C1C	2.36	131.79	126.25
14	a	808	CLA	C3D-C4D-ND	2.36	113.82	109.99
14	H	818	CLA	C3D-C4D-ND	2.36	113.82	109.99
14	x	1701	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	b	820	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	a	818	CLA	CMC-C2C-C1C	2.36	128.72	125.03
14	G	836	CLA	C4-C3-C5	2.36	119.32	115.23
16	B	847	BCR	C8-C9-C10	2.36	122.72	119.01
14	B	823	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	H	821	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	H	819	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	b	840	CLA	CMD-C2D-C3D	-2.36	122.29	127.69
14	j	1301	CLA	CMB-C2B-C1B	2.36	129.01	125.42
14	G	830	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
14	H	828	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	b	839	CLA	O2D-CGD-O1D	-2.35	119.27	123.85
16	G	845	BCR	C7-C8-C9	-2.35	122.75	126.23
14	a	830	CLA	CAC-C3C-C4C	2.35	127.85	124.79
14	a	832	CLA	O1D-CGD-CBD	-2.35	119.88	124.52
14	H	829	CLA	C1-C2-C3	-2.35	122.34	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	814	CLA	CAC-C3C-C4C	2.35	127.85	124.79
14	a	831	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	H	826	CLA	C4C-C3C-C2C	-2.35	103.47	106.89
14	A	826	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	G	803	CLA	CHB-C4A-NA	2.35	127.79	124.40
16	H	847	BCR	C11-C10-C9	2.35	130.58	127.28
14	b	832	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	H	823	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	B	841	CLA	O2D-CGD-O1D	-2.35	119.27	123.85
14	A	823	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	b	810	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	B	839	CLA	OBD-CAD-C3D	-2.35	122.92	128.42
14	B	816	CLA	CMB-C2B-C1B	2.35	129.00	125.42
14	A	832	CLA	C1-C2-C3	-2.35	122.35	126.20
16	a	845	BCR	C34-C9-C10	-2.35	119.01	122.82
16	a	847	BCR	C1-C6-C5	-2.35	119.42	122.64
14	L	206	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	b	840	CLA	C1-C2-C3	-2.35	122.35	126.20
14	B	825	CLA	C4D-C3D-CAD	2.35	110.66	108.11
16	b	847	BCR	C29-C28-C27	-2.35	106.11	111.28
14	b	809	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	a	820	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	G	820	CLA	C4-C3-C5	2.35	119.31	115.23
13	A	801	CL0	CHA-C4D-ND	2.35	137.40	132.55
14	A	806	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
14	G	830	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	a	813	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	B	842	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	a	826	CLA	C1-C2-C3	-2.35	122.35	126.20
14	H	810	CLA	C1-C2-C3	-2.35	122.35	126.20
14	B	817	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	G	819	CLA	C3D-C4D-ND	2.35	113.80	109.99
14	J	1303	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	j	1303	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	a	837	CLA	CMD-C2D-C3D	-2.35	122.31	127.69
14	a	832	CLA	C3D-C4D-ND	2.35	113.80	109.99
16	b	843	BCR	C27-C26-C25	-2.35	119.53	122.70
14	H	814	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	G	826	CLA	CMB-C2B-C1B	2.35	128.99	125.42
16	V	1602	BCR	C33-C5-C4	2.35	118.60	113.60
14	G	806	CLA	CAA-C2A-C3A	-2.35	106.66	113.00
14	b	823	CLA	C3D-C4D-ND	2.34	113.80	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	837	CLA	CMD-C2D-C3D	-2.34	122.31	127.69
14	G	833	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	G	840	CLA	CMB-C2B-C1B	2.34	128.99	125.42
14	B	832	CLA	CMB-C2B-C3B	2.34	132.06	126.55
14	a	853	CLA	CMC-C2C-C1C	2.34	128.70	125.03
14	b	822	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	G	826	CLA	CHA-C4D-ND	2.34	137.38	132.55
16	A	845	BCR	C30-C25-C26	-2.34	119.44	122.64
14	B	810	CLA	C1-C2-C3	-2.34	122.36	126.20
14	G	840	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	H	821	CLA	CMD-C2D-C3D	-2.34	122.32	127.69
16	U	202	BCR	C19-C18-C17	2.34	122.69	119.01
14	B	830	CLA	O2D-CGD-O1D	-2.34	119.29	123.85
14	G	828	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	a	814	CLA	CAC-C3C-C4C	2.34	127.83	124.79
14	A	842	CLA	CMD-C2D-C3D	-2.34	122.32	127.69
14	B	805	CLA	C1-C2-C3	-2.34	122.36	126.20
14	H	824	CLA	CMB-C2B-C1B	2.34	128.98	125.42
16	B	849	BCR	C29-C30-C25	2.34	113.84	110.44
14	b	817	CLA	CMD-C2D-C3D	-2.34	122.32	127.69
14	b	806	CLA	C3D-C4D-ND	2.34	113.79	109.99
13	A	801	CL0	O2D-CGD-O1D	-2.34	119.29	123.85
14	G	828	CLA	C1-C2-C3	-2.34	122.36	126.20
14	B	826	CLA	CMB-C2B-C1B	2.34	128.98	125.42
14	A	817	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	H	830	CLA	O2D-CGD-O1D	-2.34	119.30	123.85
14	A	803	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	H	842	CLA	C3C-C4C-NC	2.34	113.42	110.43
14	G	806	CLA	C1-C2-C3	-2.34	122.98	126.76
14	H	839	CLA	CAA-C2A-C3A	-2.34	106.68	113.00
14	A	811	CLA	C3C-C4C-NC	2.34	113.42	110.43
14	a	817	CLA	C3D-C4D-ND	2.34	113.78	109.99
14	B	804	CLA	C3D-C4D-ND	2.34	113.78	109.99
14	A	836	CLA	O2A-C1-C2	2.34	117.10	108.11
14	B	830	CLA	CHC-C1C-C2C	-2.34	120.31	126.95
14	B	804	CLA	C3C-C4C-NC	2.34	113.42	110.43
16	H	844	BCR	C34-C9-C10	-2.34	119.03	122.82
14	G	840	CLA	O2D-CGD-O1D	-2.34	119.30	123.85
14	H	826	CLA	CHC-C1C-NC	-2.34	120.79	124.31
14	b	812	CLA	CBC-CAC-C3C	2.34	118.75	112.42
16	A	845	BCR	C34-C9-C10	-2.34	119.03	122.82
14	a	831	CLA	O2D-CGD-O1D	-2.33	119.30	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	847	BCR	C1-C6-C5	-2.33	119.44	122.64
14	B	803	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	H	826	CLA	CMA-C3A-C2A	2.33	123.01	113.98
14	a	826	CLA	CMB-C2B-C1B	2.33	128.97	125.42
14	b	805	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	H	829	CLA	C4D-C3D-CAD	2.33	110.64	108.11
14	H	835	CLA	C3C-C4C-NC	2.33	113.42	110.43
14	G	831	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
14	A	803	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	G	831	CLA	C4-C3-C5	2.33	119.28	115.23
16	A	845	BCR	C2-C1-C6	2.33	113.83	110.44
14	B	834	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	B	829	CLA	CBA-CAA-C2A	2.33	120.74	113.79
14	A	818	CLA	C3C-C4C-NC	2.33	113.42	110.43
14	b	830	CLA	CED-O2D-CGD	2.33	121.21	115.92
14	H	830	CLA	CHC-C1C-C2C	-2.33	120.32	126.95
14	B	825	CLA	CAC-C3C-C4C	2.33	127.83	124.79
14	A	839	CLA	CMB-C2B-C1B	2.33	128.97	125.42
14	A	811	CLA	CAC-C3C-C4C	2.33	127.82	124.79
14	b	816	CLA	C3D-C4D-ND	2.33	113.78	109.99
16	J	1305	BCR	C28-C27-C26	-2.33	109.90	114.06
14	x	1701	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
16	a	847	BCR	C34-C9-C10	-2.33	119.04	122.82
14	B	815	CLA	OBD-CAD-C3D	-2.33	122.97	128.42
14	B	802	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	a	842	CLA	C1-C2-C3	-2.33	122.99	126.76
14	A	829	CLA	C4D-C3D-CAD	2.33	110.64	108.11
14	H	827	CLA	OBD-CAD-C3D	-2.33	122.97	128.42
14	V	1601	CLA	C3D-C4D-ND	2.33	113.77	109.99
16	H	847	BCR	C1-C6-C7	2.33	121.97	115.65
14	T	102	CLA	O1D-CGD-CBD	-2.33	119.92	124.52
14	B	833	CLA	CED-O2D-CGD	2.33	121.20	115.92
14	b	836	CLA	CAC-C3C-C4C	2.33	127.82	124.79
14	H	826	CLA	C1-O2A-CGA	2.33	122.29	116.65
14	A	808	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	a	823	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	G	828	CLA	CAA-C2A-C3A	-2.33	106.71	113.00
14	A	826	CLA	CMB-C2B-C1B	2.33	128.96	125.42
14	G	821	CLA	C3D-C4D-ND	2.33	113.77	109.99
14	l	205	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	B	801	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
14	a	812	CLA	C6-C5-C3	-2.33	107.80	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	811	CLA	C1-C2-C3	-2.33	123.00	126.76
14	A	825	CLA	CMA-C3A-C4A	2.33	118.03	111.77
14	a	827	CLA	C3D-C4D-ND	2.33	113.77	109.99
16	F	202	BCR	C30-C25-C26	-2.33	119.46	122.64
14	k	101	CLA	CMD-C2D-C3D	-2.33	122.35	127.69
14	l	203	CLA	CAC-C3C-C4C	2.33	127.82	124.79
16	i	101	BCR	C38-C26-C27	2.33	118.56	113.60
14	H	801	CLA	C4D-C3D-CAD	2.33	110.63	108.11
14	J	1301	CLA	C3D-C4D-ND	2.33	113.77	109.99
14	B	810	CLA	C6-C5-C3	-2.33	107.80	113.47
14	G	811	CLA	C3C-C4C-NC	2.33	113.41	110.43
14	G	831	CLA	C3C-C4C-NC	2.33	113.41	110.43
14	H	814	CLA	CMD-C2D-C3D	-2.33	122.36	127.69
14	H	804	CLA	C3D-C4D-ND	2.33	113.77	109.99
14	G	804	CLA	C3C-C4C-NC	2.32	113.41	110.43
14	b	827	CLA	CHC-C1C-C2C	-2.32	120.34	126.95
14	a	813	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	B	815	CLA	O2D-CGD-O1D	-2.32	119.32	123.85
14	G	841	CLA	C1-C2-C3	-2.32	123.00	126.76
14	B	814	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	A	808	CLA	C3D-C4D-ND	2.32	113.76	109.99
14	B	837	CLA	C3D-C4D-ND	2.32	113.76	109.99
14	b	803	CLA	C3D-C4D-ND	2.32	113.76	109.99
14	G	851	CLA	CMB-C2B-C1B	2.32	128.96	125.42
14	G	828	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	b	836	CLA	C6-C5-C3	-2.32	107.81	113.47
14	b	834	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	B	808	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	b	831	CLA	O1D-CGD-CBD	-2.32	119.94	124.52
14	b	836	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	B	802	CLA	C4-C3-C5	2.32	119.26	115.23
16	M	1602	BCR	C33-C5-C4	2.32	118.55	113.60
14	A	829	CLA	O1D-CGD-CBD	-2.32	119.94	124.52
14	A	842	CLA	C1-C2-C3	-2.32	123.01	126.76
16	a	846	BCR	C15-C14-C13	-2.32	124.02	127.28
14	b	811	CLA	C3C-C4C-NC	2.32	113.40	110.43
14	H	828	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	a	831	CLA	C4-C3-C5	2.32	119.25	115.23
14	H	842	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	B	828	CLA	C1-C2-C3	-2.32	122.40	126.20
14	A	832	CLA	C3C-C4C-NC	2.32	113.40	110.43
14	b	806	CLA	C1-O2A-CGA	2.32	122.26	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	817	CLA	CHB-C1B-C2B	-2.32	120.70	127.43
14	a	852	CLA	CHA-C1A-NA	-2.32	121.14	126.39
14	m	1202	CLA	C3D-C4D-ND	2.32	113.75	109.99
14	b	816	CLA	CMC-C2C-C1C	2.32	128.66	125.03
14	a	803	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	l	204	CLA	C4-C3-C5	2.32	119.25	115.23
14	H	831	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	G	808	CLA	C3D-C4D-ND	2.32	113.75	109.99
14	a	841	CLA	C3D-C4D-ND	2.32	113.75	109.99
14	G	824	CLA	O2D-CGD-O1D	-2.32	119.34	123.85
14	G	807	CLA	C1-O2A-CGA	2.32	122.26	116.65
14	B	823	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	B	807	CLA	C3C-C4C-NC	2.32	113.40	110.43
16	B	846	BCR	C31-C1-C6	-2.32	106.61	110.24
14	A	806	CLA	C1-C2-C3	-2.32	123.02	126.76
14	l	203	CLA	CBA-CAA-C2A	2.32	120.68	113.79
14	H	822	CLA	C2D-C1D-ND	2.32	112.42	110.13
14	H	832	CLA	C3D-C4D-ND	2.32	113.75	109.99
14	G	820	CLA	O2D-CGD-O1D	-2.32	119.34	123.85
14	a	830	CLA	C3D-C4D-ND	2.32	113.75	109.99
14	L	201	CLA	C4-C3-C5	2.31	119.25	115.23
16	L	202	BCR	C35-C13-C12	2.31	121.62	118.09
14	B	838	CLA	C4D-C3D-CAD	2.31	110.62	108.11
14	B	820	CLA	CMD-C2D-C3D	-2.31	122.38	127.69
14	A	820	CLA	C1-C2-C3	-2.31	122.41	126.20
14	A	835	CLA	CMC-C2C-C1C	2.31	128.65	125.03
14	A	811	CLA	O2D-CGD-O1D	-2.31	119.34	123.85
14	H	804	CLA	C3C-C4C-NC	2.31	113.39	110.43
14	B	806	CLA	CMB-C2B-C1B	2.31	128.94	125.42
14	G	820	CLA	CMD-C2D-C3D	-2.31	122.38	127.69
16	V	1602	BCR	C30-C25-C26	-2.31	119.47	122.64
14	a	802	CLA	CAC-C3C-C4C	2.31	127.80	124.79
14	B	816	CLA	C1-C2-C3	-2.31	122.41	126.20
14	H	829	CLA	CMA-C3A-C4A	2.31	117.99	111.77
14	b	835	CLA	C3D-C4D-ND	2.31	113.75	109.99
14	U	207	CLA	O2D-CGD-O1D	-2.31	119.35	123.85
14	A	817	CLA	C3C-C4C-NC	2.31	113.39	110.43
14	A	807	CLA	C1-C2-C3	-2.31	122.41	126.20
14	H	820	CLA	CMD-C2D-C3D	-2.31	122.39	127.69
16	a	847	BCR	C35-C13-C12	2.31	121.62	118.09
14	a	816	CLA	CAA-C2A-C3A	-2.31	106.75	113.00
14	A	826	CLA	C4-C3-C5	2.31	119.24	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	806	CLA	O1D-CGD-CBD	-2.31	119.96	124.52
14	H	819	CLA	C1-C2-C3	-2.31	122.41	126.20
14	G	826	CLA	C4-C3-C5	2.31	119.24	115.23
14	A	840	CLA	C3D-C4D-ND	2.31	113.74	109.99
14	G	820	CLA	C1-C2-C3	-2.31	122.41	126.20
14	H	821	CLA	CHC-C1C-C2C	-2.31	120.38	126.95
14	T	101	CLA	C3C-C4C-NC	2.31	113.39	110.43
16	l	201	BCR	C19-C18-C17	2.31	122.64	119.01
14	B	814	CLA	CAC-C3C-C4C	2.31	127.79	124.79
16	a	849	BCR	C33-C5-C4	2.31	118.52	113.60
14	M	1601	CLA	O1D-CGD-CBD	-2.31	119.97	124.52
14	G	836	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
14	A	815	CLA	O2D-CGD-O1D	-2.31	119.36	123.85
14	H	828	CLA	C1-C2-C3	-2.31	122.42	126.20
14	U	207	CLA	CMB-C2B-C3B	2.31	131.98	126.55
14	L	204	CLA	CAC-C3C-C4C	2.31	127.79	124.79
14	b	834	CLA	C3D-C4D-ND	2.31	113.74	109.99
14	A	830	CLA	CMB-C2B-C1B	2.31	128.93	125.42
14	a	838	CLA	C3D-C4D-ND	2.31	113.74	109.99
14	A	818	CLA	CMD-C2D-C3D	-2.31	122.40	127.69
14	U	206	CLA	C4-C3-C5	2.31	119.23	115.23
14	a	813	CLA	CHB-C1B-C2B	-2.31	120.73	127.43
14	G	809	CLA	CBA-CAA-C2A	2.31	120.65	113.79
14	Q	201	CLA	O1D-CGD-CBD	-2.31	119.97	124.52
14	G	833	CLA	CAA-C2A-C3A	-2.31	106.77	113.00
14	H	825	CLA	CAA-CBA-CGA	-2.31	106.34	112.49
16	A	849	BCR	C33-C5-C4	2.31	118.51	113.60
14	a	820	CLA	C1-C2-C3	-2.31	122.42	126.20
14	b	829	CLA	CHA-C4D-ND	2.31	137.31	132.55
14	B	841	CLA	CAA-C2A-C3A	-2.31	106.77	113.00
14	G	835	CLA	CMC-C2C-C1C	2.31	128.64	125.03
14	L	204	CLA	CBA-CAA-C2A	2.30	120.65	113.79
16	B	852	BCR	C32-C1-C6	-2.30	106.63	110.24
14	H	820	CLA	CAC-C3C-C4C	2.30	127.79	124.79
14	Q	201	CLA	C3D-C4D-ND	2.30	113.73	109.99
14	A	818	CLA	CMB-C2B-C3B	2.30	131.97	126.55
14	a	824	CLA	C4-C3-C5	2.30	119.23	115.23
15	A	843	PQN	C11-C3-C2	-2.30	120.94	124.89
14	G	841	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
14	B	839	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
14	a	806	CLA	C1-C2-C3	-2.30	123.04	126.76
16	L	202	BCR	C34-C9-C8	2.30	121.61	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	836	CLA	C1-C2-C3	-2.30	122.42	126.20
14	B	834	CLA	CHC-C1C-C2C	-2.30	120.40	126.95
14	a	818	CLA	O2D-CGD-O1D	-2.30	119.37	123.85
14	A	803	CLA	CMB-C2B-C1B	2.30	128.92	125.42
14	A	852	CLA	C3D-C4D-ND	2.30	113.73	109.99
14	H	802	CLA	C1-O2A-CGA	2.30	122.22	116.65
14	G	812	CLA	CMD-C2D-C3D	-2.30	122.41	127.69
14	H	835	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	A	821	CLA	C3C-C4C-NC	2.30	113.38	110.43
14	k	101	CLA	C3C-C4C-NC	2.30	113.38	110.43
14	b	823	CLA	CHC-C1C-NC	-2.30	120.84	124.31
14	B	819	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	H	836	CLA	C3D-C4D-ND	2.30	113.73	109.99
14	B	827	CLA	CAC-C3C-C4C	2.30	127.78	124.79
16	I	101	BCR	C38-C26-C27	2.30	118.50	113.60
14	G	828	CLA	CHC-C1C-C2C	-2.30	120.41	126.95
16	b	844	BCR	C31-C1-C6	-2.30	106.64	110.24
14	a	840	CLA	CMB-C2B-C1B	2.30	128.92	125.42
14	A	818	CLA	C3D-C4D-ND	2.30	113.72	109.99
14	A	821	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
16	B	844	BCR	C34-C9-C10	-2.30	119.09	122.82
14	B	834	CLA	O1D-CGD-CBD	-2.30	119.98	124.52
14	G	804	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	A	809	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	A	835	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	B	842	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	b	816	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	a	805	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
14	H	826	CLA	C3A-C2A-C1A	-2.30	97.90	101.34
14	H	838	CLA	C3D-C4D-ND	2.30	113.72	109.99
14	H	821	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
16	a	845	BCR	C2-C1-C6	2.30	113.78	110.44
14	H	838	CLA	C6-C5-C3	-2.30	107.88	113.47
14	G	833	CLA	CMB-C2B-C3B	2.30	131.95	126.55
14	a	842	CLA	CAA-C2A-C3A	-2.30	106.80	113.00
14	l	204	CLA	C4D-C3D-CAD	2.30	110.60	108.11
14	b	802	CLA	CMB-C2B-C1B	2.30	128.91	125.42
14	B	838	CLA	C6-C5-C3	-2.29	107.88	113.47
14	H	805	CLA	CHA-C1A-NA	-2.29	121.19	126.39
16	a	849	BCR	C24-C25-C26	-2.29	116.27	121.56
14	A	833	CLA	CHB-C4A-NA	2.29	127.71	124.40
16	L	209	BCR	C4-C5-C6	-2.29	119.60	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	j	1301	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
14	A	824	CLA	CHC-C1C-C2C	-2.29	120.43	126.95
14	V	1601	CLA	CED-O2D-CGD	2.29	121.12	115.92
14	B	809	CLA	C3D-C4D-ND	2.29	113.71	109.99
14	G	809	CLA	CMD-C2D-C3D	-2.29	122.43	127.69
14	a	811	CLA	C3C-C4C-NC	2.29	113.37	110.43
14	H	809	CLA	C3D-C4D-ND	2.29	113.71	109.99
14	G	824	CLA	C4-C3-C5	2.29	119.21	115.23
16	f	201	BCR	C7-C8-C9	-2.29	122.84	126.23
14	A	830	CLA	C3D-C4D-ND	2.29	113.71	109.99
14	H	841	CLA	CAA-C2A-C3A	-2.29	106.81	113.00
14	a	842	CLA	CMC-C2C-C3C	2.29	132.34	126.15
14	H	840	CLA	C4D-C3D-CAD	2.29	110.59	108.11
14	a	811	CLA	C1-C2-C3	-2.29	123.06	126.76
14	G	839	CLA	CMB-C2B-C1B	2.29	128.91	125.42
14	A	824	CLA	C4-C3-C5	2.29	119.20	115.23
14	a	853	CLA	C3D-C4D-ND	2.29	113.71	109.99
16	R	102	BCR	C19-C18-C17	2.29	122.61	119.01
14	a	852	CLA	C3D-C4D-ND	2.29	113.71	109.99
14	a	842	CLA	CMD-C2D-C3D	-2.29	122.44	127.69
14	G	811	CLA	C1-C2-C3	-2.29	123.06	126.76
14	B	826	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
14	B	816	CLA	O1D-CGD-CBD	-2.29	120.00	124.52
14	G	841	CLA	CMD-C2D-C3D	-2.29	122.44	127.69
14	H	808	CLA	C4-C3-C5	2.29	119.20	115.23
14	G	830	CLA	CAC-C3C-C4C	2.29	127.77	124.79
14	G	811	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	B	835	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	a	834	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
14	H	817	CLA	C4C-C3C-C2C	-2.29	103.56	106.89
14	a	808	CLA	C3C-C4C-NC	2.29	113.36	110.43
14	H	822	CLA	C3D-C4D-ND	2.29	113.70	109.99
14	H	808	CLA	CAC-C3C-C4C	2.29	127.77	124.79
14	G	825	CLA	CMA-C3A-C4A	2.29	117.92	111.77
14	H	837	CLA	O2D-CGD-O1D	-2.29	119.40	123.85
14	A	820	CLA	CMD-C2D-C3D	-2.29	122.44	127.69
14	B	808	CLA	C4-C3-C5	2.29	119.20	115.23
14	B	809	CLA	C4-C3-C5	2.29	119.20	115.23
14	L	205	CLA	C4-C3-C5	2.29	119.20	115.23
14	G	827	CLA	C3D-C4D-ND	2.29	113.70	109.99
14	A	818	CLA	CHC-C1C-C2C	-2.29	120.45	126.95
14	a	818	CLA	CMD-C2D-C3D	-2.29	122.45	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	804	CLA	CHD-C1D-ND	-2.29	121.59	124.80
14	a	840	CLA	C1-O2A-CGA	2.29	122.18	116.65
14	B	809	CLA	CMD-C2D-C3D	-2.29	122.45	127.69
14	A	805	CLA	O2D-CGD-O1D	-2.29	119.40	123.85
14	B	828	CLA	C3D-C4D-ND	2.29	113.70	109.99
14	B	835	CLA	CMD-C2D-C3D	-2.28	122.45	127.69
14	A	852	CLA	CHA-C1A-NA	-2.28	121.22	126.39
14	H	830	CLA	CMB-C2B-C3B	2.28	131.92	126.55
14	G	803	CLA	O1D-CGD-CBD	-2.28	120.01	124.52
14	G	817	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
14	G	818	CLA	C3D-C4D-ND	2.28	113.70	109.99
16	F	202	BCR	C34-C9-C10	-2.28	119.12	122.82
14	a	836	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
16	H	846	BCR	C31-C1-C6	-2.28	106.66	110.24
16	H	848	BCR	C1-C6-C7	2.28	121.84	115.65
14	b	805	CLA	CMB-C2B-C3B	2.28	131.92	126.55
14	A	807	CLA	C3D-C4D-ND	2.28	113.70	109.99
14	a	815	CLA	C3C-C4C-NC	2.28	113.35	110.43
14	a	822	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
14	a	841	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	A	830	CLA	CAC-C3C-C4C	2.28	127.76	124.79
14	H	812	CLA	C3D-C4D-ND	2.28	113.70	109.99
14	a	832	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	B	812	CLA	C1-C2-C3	-2.28	122.46	126.20
14	b	817	CLA	C3D-C4D-ND	2.28	113.69	109.99
14	G	817	CLA	C3D-C4D-ND	2.28	113.69	109.99
14	M	1601	CLA	C3D-C4D-ND	2.28	113.69	109.99
14	a	803	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
16	i	101	BCR	C32-C1-C6	-2.28	106.67	110.24
14	a	818	CLA	C3D-C4D-ND	2.28	113.69	109.99
14	H	834	CLA	CAA-CBA-CGA	-2.28	106.73	113.21
14	a	803	CLA	CHB-C4A-NA	2.28	127.69	124.40
14	b	812	CLA	O2D-CGD-O1D	-2.28	119.41	123.85
14	H	831	CLA	C4-C3-C5	2.28	119.18	115.23
14	b	815	CLA	C4-C3-C5	2.28	119.18	115.23
14	b	809	CLA	C1-C2-C3	-2.28	122.46	126.20
14	H	837	CLA	O1D-CGD-CBD	-2.28	120.02	124.52
14	b	813	CLA	CMD-C2D-C3D	-2.28	122.46	127.69
14	B	840	CLA	CMB-C2B-C1B	2.28	128.89	125.42
14	B	804	CLA	C4-C3-C5	2.28	119.18	115.23
16	U	203	BCR	C4-C5-C6	-2.28	119.63	122.70
14	b	806	CLA	CMD-C2D-C3D	-2.28	122.47	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	802	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	b	808	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	B	816	CLA	CHC-C1C-C2C	-2.28	120.48	126.95
16	B	848	BCR	C40-C30-C39	2.28	115.15	108.63
14	L	205	CLA	CMD-C2D-C3D	-2.28	122.47	127.69
14	B	831	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	L	205	CLA	CMA-C3A-C4A	2.28	117.89	111.77
14	B	802	CLA	CHA-C1A-NA	-2.28	121.24	126.39
16	H	849	BCR	C37-C22-C21	-2.28	119.13	122.82
14	A	836	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	B	816	CLA	CMA-C3A-C4A	2.27	117.89	111.77
16	B	849	BCR	C37-C22-C21	-2.27	119.13	122.82
14	G	836	CLA	CAC-C3C-C4C	2.27	127.75	124.79
14	A	835	CLA	CAA-C2A-C3A	-2.27	106.85	113.00
14	a	835	CLA	CAA-C2A-C3A	-2.27	106.85	113.00
14	A	810	CLA	C1-O2A-CGA	2.27	122.16	116.65
14	B	841	CLA	CMB-C2B-C1B	2.27	128.88	125.42
14	B	836	CLA	C3D-C4D-ND	2.27	113.68	109.99
14	j	1301	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
14	Q	202	CLA	C3D-C4D-ND	2.27	113.68	109.99
14	B	826	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
16	a	845	BCR	C30-C25-C26	-2.27	119.53	122.64
14	a	828	CLA	C3D-C4D-ND	2.27	113.68	109.99
14	B	820	CLA	C3D-C4D-ND	2.27	113.68	109.99
14	A	819	CLA	C3C-C4C-NC	2.27	113.34	110.43
14	a	810	CLA	C3C-C4C-NC	2.27	113.34	110.43
16	B	852	BCR	C33-C5-C4	2.27	118.44	113.60
14	H	809	CLA	CMC-C2C-C1C	2.27	128.58	125.03
14	H	818	CLA	C4-C3-C5	2.27	119.17	115.23
14	K	1401	CLA	O1D-CGD-CBD	-2.27	120.04	124.52
14	G	808	CLA	C3C-C4C-NC	2.27	113.34	110.43
16	j	1304	BCR	C34-C9-C10	-2.27	119.14	122.82
14	B	831	CLA	C4-C3-C5	2.27	119.17	115.23
15	a	843	PQN	C15-C13-C12	-2.27	116.07	121.17
14	B	834	CLA	CBA-CAA-C2A	2.27	120.54	113.79
16	V	1602	BCR	C36-C18-C17	-2.27	119.14	122.82
14	H	824	CLA	C3C-C4C-NC	2.27	113.33	110.43
14	A	831	CLA	C4-C3-C5	2.27	119.16	115.23
14	G	804	CLA	C1-C2-C3	-2.27	122.48	126.20
14	b	817	CLA	C1-C2-C3	-2.27	122.48	126.20
14	H	836	CLA	CMD-C2D-C3D	-2.27	122.49	127.69
16	B	847	BCR	C1-C6-C7	2.27	121.80	115.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	848	BCR	C19-C18-C17	2.27	122.57	119.01
14	a	852	CLA	O1D-CGD-CBD	-2.27	120.05	124.52
16	B	849	BCR	C29-C28-C27	-2.27	106.30	111.28
14	a	821	CLA	CMB-C2B-C1B	2.27	128.87	125.42
14	B	812	CLA	CMA-C3A-C4A	2.27	117.86	111.77
14	H	828	CLA	C3D-C4D-ND	2.27	113.67	109.99
16	V	1602	BCR	C27-C26-C25	-2.27	119.64	122.70
14	a	821	CLA	C3D-C4D-ND	2.26	113.67	109.99
14	a	831	CLA	C3D-C4D-ND	2.26	113.67	109.99
14	H	820	CLA	C3D-C4D-ND	2.26	113.67	109.99
14	b	828	CLA	C4-C3-C5	2.26	119.16	115.23
14	b	829	CLA	OBD-CAD-C3D	-2.26	123.12	128.42
14	G	835	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
14	H	806	CLA	C1-C2-C3	-2.26	122.49	126.20
14	H	816	CLA	O1D-CGD-CBD	-2.26	120.05	124.52
14	b	818	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	a	828	CLA	CAA-C2A-C3A	-2.26	106.88	113.00
14	B	830	CLA	C1-O2A-CGA	2.26	122.13	116.65
14	b	811	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
14	b	826	CLA	C3D-C4D-ND	2.26	113.67	109.99
14	G	818	CLA	O2D-CGD-O1D	-2.26	119.44	123.85
14	a	803	CLA	CMB-C2B-C1B	2.26	128.86	125.42
14	H	834	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	H	809	CLA	C1-C2-C3	-2.26	122.49	126.20
14	G	812	CLA	C6-C5-C3	-2.26	107.96	113.47
14	b	809	CLA	C3C-C4C-NC	2.26	113.33	110.43
14	G	804	CLA	C1-O2A-CGA	2.26	122.12	116.65
14	A	809	CLA	C3D-C4D-ND	2.26	113.66	109.99
16	B	849	BCR	C35-C13-C12	2.26	121.54	118.09
14	H	809	CLA	CMD-C2D-C3D	-2.26	122.51	127.69
14	G	839	CLA	C1-O2A-CGA	2.26	122.12	116.65
14	b	820	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	B	836	CLA	CMD-C2D-C3D	-2.26	122.51	127.69
14	G	809	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	B	820	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	b	804	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	j	1301	CLA	CHD-C1D-ND	-2.26	121.62	124.80
16	B	845	BCR	C27-C26-C25	-2.26	119.65	122.70
14	a	827	CLA	CHB-C1B-C2B	-2.26	120.87	127.43
14	Q	201	CLA	O2D-CGD-O1D	-2.26	119.45	123.85
16	V	1602	BCR	C23-C22-C21	2.26	122.56	119.01
14	A	828	CLA	C3D-C4D-ND	2.26	113.66	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	838	CLA	C4-C3-C5	2.26	119.15	115.23
16	f	201	BCR	C27-C26-C25	-2.26	119.65	122.70
14	m	1202	CLA	CED-O2D-CGD	2.26	121.03	115.92
14	U	205	CLA	C4B-CHC-C1C	2.26	131.55	126.25
14	b	840	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	b	838	CLA	C4D-C3D-CAD	2.26	110.56	108.11
16	M	1602	BCR	C30-C25-C26	-2.26	119.55	122.64
14	B	822	CLA	C3D-C4D-ND	2.26	113.65	109.99
14	H	831	CLA	CMB-C2B-C3B	2.26	131.85	126.55
14	b	838	CLA	O1D-CGD-CBD	-2.25	120.07	124.52
14	a	826	CLA	CAC-C3C-C4C	2.25	127.72	124.79
14	A	818	CLA	CMC-C2C-C1C	2.25	128.56	125.03
14	B	817	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	G	805	CLA	O2D-CGD-O1D	-2.25	119.46	123.85
14	b	816	CLA	CHC-C1C-C2C	-2.25	120.54	126.95
14	b	836	CLA	CMC-C2C-C1C	2.25	128.56	125.03
14	B	832	CLA	CHB-C1B-C2B	-2.25	120.88	127.43
14	B	813	CLA	O2D-CGD-O1D	-2.25	119.46	123.85
14	A	839	CLA	C1-O2A-CGA	2.25	122.11	116.65
14	H	829	CLA	C3D-C4D-ND	2.25	113.65	109.99
14	B	832	CLA	CAA-CBA-CGA	-2.25	106.48	112.49
16	I	101	BCR	C32-C1-C6	-2.25	106.71	110.24
14	B	840	CLA	C4D-C3D-CAD	2.25	110.55	108.11
14	j	1301	CLA	C3D-C4D-ND	2.25	113.65	109.99
16	m	1203	BCR	C36-C18-C17	-2.25	119.17	122.82
16	l	206	BCR	C15-C14-C13	-2.25	124.12	127.28
14	H	804	CLA	C4-C3-C5	2.25	119.14	115.23
14	A	818	CLA	O2D-CGD-O1D	-2.25	119.47	123.85
16	l	202	BCR	C4-C5-C6	-2.25	119.66	122.70
14	A	833	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
14	a	804	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
16	S	103	BCR	C33-C5-C6	-2.25	122.03	124.48
14	b	802	CLA	O1D-CGD-CBD	-2.25	120.08	124.52
14	B	808	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
14	B	812	CLA	C3D-C4D-ND	2.25	113.64	109.99
14	A	838	CLA	CMB-C2B-C1B	2.25	128.84	125.42
14	a	839	CLA	O2D-CGD-O1D	-2.25	119.47	123.85
14	H	832	CLA	O1D-CGD-CBD	-2.25	120.08	124.52
14	G	832	CLA	C3C-C4C-NC	2.25	113.31	110.43
14	H	838	CLA	C1-C2-C3	-2.25	122.52	126.20
14	B	816	CLA	CGD-CBD-CAD	-2.25	103.57	110.85
14	G	805	CLA	CMD-C2D-C3D	-2.25	122.54	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	807	CLA	C3D-C4D-ND	2.25	113.64	109.99
14	H	823	CLA	C3D-C4D-ND	2.25	113.64	109.99
14	a	838	CLA	C1-C2-C3	-2.25	122.52	126.20
14	H	816	CLA	C1-C2-C3	-2.25	122.52	126.20
14	G	811	CLA	CMB-C2B-C1B	2.25	128.84	125.42
16	J	1304	BCR	C35-C13-C12	2.25	121.52	118.09
14	l	204	CLA	CAC-C3C-C4C	2.25	127.71	124.79
14	G	818	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
16	m	1203	BCR	C1-C6-C7	2.24	121.74	115.65
14	A	822	CLA	O1D-CGD-CBD	-2.24	120.09	124.52
14	a	838	CLA	CMD-C2D-C3D	-2.24	122.54	127.69
14	b	817	CLA	CAC-C3C-C4C	2.24	127.71	124.79
14	b	812	CLA	C4D-C3D-CAD	2.24	110.54	108.11
14	b	824	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	G	807	CLA	CBC-CAC-C3C	-2.24	106.34	112.42
16	H	845	BCR	C27-C26-C25	-2.24	119.67	122.70
14	b	818	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
14	A	808	CLA	CAC-C3C-C4C	2.24	127.71	124.79
14	l	203	CLA	C3D-C4D-ND	2.24	113.63	109.99
14	H	812	CLA	C1-C2-C3	-2.24	122.53	126.20
16	G	843	BCR	C23-C22-C21	2.24	122.53	119.01
16	j	1304	BCR	C33-C5-C6	-2.24	122.04	124.48
14	H	841	CLA	C4-C3-C5	2.24	119.12	115.23
14	b	810	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
14	H	842	CLA	C3D-C4D-ND	2.24	113.63	109.99
14	B	840	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
14	B	836	CLA	O2D-CGD-O1D	-2.24	119.49	123.85
14	b	837	CLA	OBD-CAD-C3D	-2.24	123.18	128.42
14	H	818	CLA	CMB-C2B-C3B	2.24	131.82	126.55
14	G	851	CLA	C3D-C4D-ND	2.24	113.63	109.99
14	a	807	CLA	C3D-C4D-ND	2.24	113.63	109.99
16	M	1602	BCR	C1-C6-C7	2.24	121.72	115.65
14	H	833	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
14	H	806	CLA	C3D-C4D-ND	2.24	113.63	109.99
16	H	852	BCR	C33-C5-C4	2.24	118.37	113.60
14	k	102	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
14	U	205	CLA	C3D-C4D-ND	2.24	113.62	109.99
14	a	829	CLA	C4D-C3D-CAD	2.24	110.54	108.11
16	B	849	BCR	C39-C30-C25	-2.24	106.73	110.24
14	b	840	CLA	C4-C3-C5	2.24	119.11	115.23
14	B	806	CLA	C3D-C4D-ND	2.24	113.62	109.99
14	G	833	CLA	CAC-C3C-C4C	2.24	127.70	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	840	CLA	O1D-CGD-CBD	-2.24	120.11	124.52
16	H	845	BCR	C31-C1-C6	-2.24	106.73	110.24
14	B	833	CLA	CMD-C2D-C3D	-2.24	122.56	127.69
16	S	103	BCR	C34-C9-C10	-2.24	119.19	122.82
14	b	819	CLA	C3D-C4D-ND	2.24	113.62	109.99
14	B	820	CLA	O1D-CGD-CBD	-2.23	120.11	124.52
14	Q	201	CLA	CMD-C2D-C3D	-2.23	122.56	127.69
14	b	814	CLA	C4C-C3C-C2C	-2.23	103.64	106.89
14	b	822	CLA	O2D-CGD-O1D	-2.23	119.50	123.85
14	b	839	CLA	C4-C3-C5	2.23	119.11	115.23
14	b	801	CLA	CHB-C4A-NA	2.23	127.62	124.40
14	A	819	CLA	CMB-C2B-C1B	2.23	128.82	125.42
16	B	848	BCR	C1-C6-C7	2.23	121.71	115.65
14	b	802	CLA	CHA-C1A-NA	-2.23	121.33	126.39
14	b	830	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
14	B	839	CLA	C3C-C4C-NC	2.23	113.29	110.43
16	R	102	BCR	C32-C1-C6	-2.23	106.74	110.24
16	G	844	BCR	C30-C25-C26	-2.23	119.58	122.64
14	G	812	CLA	CMA-C3A-C4A	2.23	117.77	111.77
16	A	847	BCR	C7-C8-C9	-2.23	122.93	126.23
14	G	826	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	b	833	CLA	CHB-C4A-NA	2.23	127.62	124.40
14	A	804	CLA	C4C-C3C-C2C	-2.23	103.64	106.89
14	a	812	CLA	O2D-CGD-O1D	-2.23	119.51	123.85
14	b	813	CLA	C4-C3-C5	2.23	119.10	115.23
14	H	804	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
14	J	1302	CLA	C3D-C4D-ND	2.23	113.61	109.99
14	b	805	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
14	a	809	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
14	G	831	CLA	C3D-C4D-ND	2.23	113.61	109.99
14	L	204	CLA	C3D-C4D-ND	2.23	113.61	109.99
16	j	1304	BCR	C35-C13-C12	2.23	121.49	118.09
16	b	846	BCR	C1-C6-C7	2.23	121.70	115.65
16	J	1304	BCR	C34-C9-C10	-2.23	119.20	122.82
14	A	816	CLA	CAA-C2A-C3A	-2.23	106.98	113.00
14	a	804	CLA	CAC-C3C-C4C	2.23	127.69	124.79
14	H	840	CLA	CAC-C3C-C4C	2.23	127.69	124.79
16	b	843	BCR	C31-C1-C6	-2.23	106.75	110.24
14	G	821	CLA	CHC-C1C-C2C	-2.23	120.62	126.95
16	B	845	BCR	C31-C1-C6	-2.23	106.75	110.24
16	a	846	BCR	C38-C26-C27	2.23	118.34	113.60
14	a	810	CLA	CBC-CAC-C3C	-2.23	106.38	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	812	CLA	C3D-C4D-ND	2.23	113.61	109.99
14	B	842	CLA	C4-C3-C5	2.23	119.09	115.23
14	B	834	CLA	C4C-C3C-C2C	-2.23	103.65	106.89
14	A	827	CLA	C3D-C4D-ND	2.23	113.61	109.99
14	b	834	CLA	O2D-CGD-O1D	-2.23	119.51	123.85
14	a	828	CLA	C4-C3-C5	2.23	119.09	115.23
14	b	812	CLA	C3D-C4D-ND	2.23	113.61	109.99
14	B	820	CLA	C1-C2-C3	-2.23	122.55	126.20
14	H	815	CLA	O1D-CGD-CBD	-2.23	120.13	124.52
16	H	849	BCR	C35-C13-C12	2.23	121.49	118.09
14	B	821	CLA	C3C-C4C-NC	2.23	113.28	110.43
14	A	812	CLA	C6-C5-C3	-2.23	108.05	113.47
14	A	831	CLA	C3D-C4D-ND	2.23	113.60	109.99
14	a	836	CLA	CAC-C3C-C4C	2.23	127.69	124.79
14	A	836	CLA	CAA-C2A-C3A	-2.23	106.99	113.00
14	H	836	CLA	O2D-CGD-O1D	-2.23	119.52	123.85
14	A	813	CLA	CHB-C1B-C2B	-2.22	120.97	127.43
14	G	833	CLA	OBD-CAD-C3D	-2.22	123.22	128.42
16	Q	203	BCR	C34-C9-C10	-2.22	119.21	122.82
14	H	830	CLA	C3D-C4D-ND	2.22	113.60	109.99
14	A	838	CLA	C3C-C4C-NC	2.22	113.28	110.43
14	A	817	CLA	CHB-C1B-C2B	-2.22	120.97	127.43
14	H	805	CLA	C4-C3-C5	2.22	119.09	115.23
14	H	833	CLA	OBD-CAD-C3D	-2.22	123.22	128.42
14	b	823	CLA	CHA-C1A-NA	-2.22	121.36	126.39
14	G	825	CLA	C4-C3-C5	2.22	119.09	115.23
14	a	823	CLA	CED-O2D-CGD	2.22	120.96	115.92
16	A	847	BCR	C34-C9-C10	-2.22	119.22	122.82
14	G	803	CLA	C3D-C4D-ND	2.22	113.60	109.99
13	A	801	CL0	CHD-C1D-ND	-2.22	121.68	124.80
14	B	824	CLA	C3C-C4C-NC	2.22	113.28	110.43
16	a	845	BCR	C24-C25-C26	-2.22	116.44	121.56
14	B	830	CLA	C3D-C4D-ND	2.22	113.60	109.99
14	B	810	CLA	C3C-C4C-NC	2.22	113.28	110.43
14	H	832	CLA	CHC-C1C-C2C	-2.22	120.64	126.95
14	b	839	CLA	CMB-C2B-C1B	2.22	128.80	125.42
14	a	803	CLA	C6-C5-C3	-2.22	108.06	113.47
14	H	834	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	A	811	CLA	CMB-C2B-C1B	2.22	128.80	125.42
14	B	804	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
14	G	820	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	b	813	CLA	CMB-C2B-C1B	2.22	128.80	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	m	1203	BCR	C30-C25-C26	-2.22	119.61	122.64
14	A	805	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
14	G	813	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
14	F	201	CLA	O1D-CGD-CBD	-2.22	120.14	124.52
16	H	847	BCR	C23-C22-C21	2.22	122.50	119.01
14	G	835	CLA	CMA-C3A-C4A	2.22	117.73	111.77
14	B	812	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	L	205	CLA	CAC-C3C-C4C	2.22	127.67	124.79
14	B	841	CLA	C4-C3-C5	2.22	119.08	115.23
14	b	820	CLA	CMB-C2B-C3B	2.22	131.76	126.55
14	Q	202	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	H	838	CLA	CGD-CBD-CAD	-2.22	103.67	110.85
14	H	807	CLA	CHB-C1B-C2B	-2.22	121.00	127.43
14	H	834	CLA	C4C-C3C-C2C	-2.22	103.67	106.89
14	G	834	CLA	CAC-C3C-C4C	2.22	127.67	124.79
14	B	842	CLA	CBA-CAA-C2A	2.22	120.38	113.79
14	a	825	CLA	C4-C3-C5	2.22	119.07	115.23
14	H	812	CLA	CMA-C3A-C4A	2.21	117.73	111.77
14	H	816	CLA	CMD-C2D-C3D	-2.21	122.61	127.69
14	G	832	CLA	CHB-C4A-NA	2.21	127.60	124.40
14	A	824	CLA	CHA-C1A-NA	-2.21	121.38	126.39
14	H	816	CLA	C4-C3-C5	2.21	119.07	115.23
14	l	204	CLA	C3C-C4C-NC	2.21	113.27	110.43
14	H	826	CLA	CHD-C1D-C2D	-2.21	120.88	125.49
14	H	820	CLA	O1D-CGD-CBD	-2.21	120.15	124.52
14	b	825	CLA	C3D-C4D-ND	2.21	113.58	109.99
14	b	816	CLA	C6-C5-C3	-2.21	108.08	113.47
14	a	842	CLA	CAC-C3C-C2C	2.21	131.62	127.56
14	H	803	CLA	CMB-C2B-C3B	2.21	131.75	126.55
14	b	813	CLA	C1-C2-C3	-2.21	122.57	126.20
16	f	201	BCR	C33-C5-C6	-2.21	122.07	124.48
16	J	1304	BCR	C33-C5-C6	-2.21	122.07	124.48
16	b	847	BCR	C37-C22-C21	-2.21	119.23	122.82
14	A	839	CLA	CAC-C3C-C4C	2.21	127.67	124.79
14	l	205	CLA	C6-C5-C3	-2.21	108.08	113.47
14	A	832	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	Q	201	CLA	C4B-CHC-C1C	2.21	131.44	126.25
14	a	803	CLA	C3D-C4D-ND	2.21	113.58	109.99
14	b	820	CLA	CHC-C1C-C2C	-2.21	120.67	126.95
14	A	839	CLA	CAA-C2A-C3A	-2.21	107.03	113.00
14	B	829	CLA	CHB-C4A-NA	2.21	127.59	124.40
14	H	839	CLA	CAC-C3C-C4C	2.21	127.66	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	818	CLA	C4-C3-C5	2.21	119.06	115.23
16	G	845	BCR	C15-C14-C13	-2.21	124.18	127.28
16	l	202	BCR	C15-C14-C13	-2.21	124.18	127.28
16	M	1602	BCR	C36-C18-C17	-2.21	119.24	122.82
14	H	838	CLA	CHC-C1C-C2C	-2.21	120.68	126.95
14	G	832	CLA	C4D-C3D-CAD	2.21	110.50	108.11
14	a	853	CLA	C4D-C3D-CAD	2.21	110.50	108.11
14	a	806	CLA	O1D-CGD-CBD	-2.21	120.17	124.52
14	b	836	CLA	CHC-C1C-C2C	-2.21	120.68	126.95
14	B	831	CLA	C1-O2A-CGA	2.21	121.99	116.65
16	H	849	BCR	C39-C30-C25	-2.21	106.78	110.24
16	m	1203	BCR	C27-C26-C25	-2.21	119.72	122.70
14	B	821	CLA	C4D-C3D-CAD	2.21	110.50	108.11
14	a	805	CLA	CMD-C2D-C3D	-2.20	122.63	127.69
14	a	823	CLA	CAC-C3C-C4C	2.20	127.66	124.79
14	b	837	CLA	C3C-C4C-NC	2.20	113.25	110.43
14	A	828	CLA	CAA-C2A-C3A	-2.20	107.04	113.00
14	B	808	CLA	C4D-C3D-CAD	2.20	110.50	108.11
14	A	827	CLA	CHB-C1B-C2B	-2.20	121.03	127.43
14	A	803	CLA	C6-C5-C3	-2.20	108.10	113.47
14	B	806	CLA	CHD-C1D-C2D	-2.20	120.91	125.49
14	a	840	CLA	CAC-C3C-C4C	2.20	127.66	124.79
16	I	101	BCR	C19-C18-C17	2.20	122.47	119.01
14	A	813	CLA	CMB-C2B-C3B	2.20	131.73	126.55
14	G	833	CLA	CMD-C2D-C3D	-2.20	122.64	127.69
14	b	821	CLA	CMD-C2D-C3D	-2.20	122.64	127.69
16	B	849	BCR	C33-C5-C4	2.20	118.29	113.60
14	A	825	CLA	C4-C3-C5	2.20	119.05	115.23
14	H	801	CLA	CAA-C2A-C3A	-2.20	107.05	113.00
14	B	822	CLA	C4D-C3D-CAD	2.20	110.50	108.11
14	a	832	CLA	CMC-C2C-C1C	2.20	128.47	125.03
16	i	101	BCR	C19-C18-C17	2.20	122.47	119.01
16	b	847	BCR	C29-C30-C25	2.20	113.64	110.44
14	A	802	CLA	CAC-C3C-C4C	2.20	127.65	124.79
14	G	836	CLA	CMD-C2D-C3D	-2.20	122.64	127.69
14	b	831	CLA	CHC-C1C-C2C	-2.20	120.70	126.95
14	A	811	CLA	CHB-C4A-NA	2.20	127.57	124.40
16	G	845	BCR	C38-C26-C27	2.20	118.28	113.60
14	a	820	CLA	CAC-C3C-C4C	2.20	127.65	124.79
14	G	838	CLA	CHC-C1C-C2C	-2.20	120.70	126.95
14	H	829	CLA	CHA-C1A-NA	-2.20	121.41	126.39
16	A	844	BCR	C2-C1-C6	2.20	113.63	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	825	CLA	CMB-C2B-C3B	2.20	131.72	126.55
16	Q	203	BCR	C27-C26-C25	-2.20	119.73	122.70
14	G	851	CLA	CHD-C1D-C2D	-2.20	120.92	125.49
14	R	101	CLA	CMB-C2B-C1B	2.20	128.76	125.42
16	b	850	BCR	C38-C26-C27	2.20	118.28	113.60
14	A	804	CLA	C1-C2-C3	-2.20	122.60	126.20
14	a	808	CLA	C1-C2-C3	-2.20	122.60	126.20
14	a	852	CLA	CHD-C4C-C3C	-2.20	121.57	124.77
14	b	801	CLA	C2D-C1D-ND	2.20	112.30	110.13
14	b	809	CLA	C3D-C4D-ND	2.20	113.56	109.99
14	B	828	CLA	CAC-C3C-C4C	2.20	127.65	124.79
16	J	1305	BCR	C2-C1-C6	2.20	113.63	110.44
14	B	819	CLA	CHC-C1C-C2C	-2.19	120.71	126.95
14	b	830	CLA	CMC-C2C-C1C	2.19	128.46	125.03
16	j	1304	BCR	C37-C22-C21	-2.19	119.26	122.82
14	L	201	CLA	OBD-CAD-C3D	-2.19	123.29	128.42
14	G	835	CLA	CHD-C4C-C3C	-2.19	121.57	124.77
14	B	828	CLA	CMC-C2C-C1C	2.19	128.46	125.03
14	a	810	CLA	CHC-C1C-C2C	-2.19	120.71	126.95
14	a	838	CLA	O2D-CGD-O1D	-2.19	119.58	123.85
14	A	814	CLA	OBD-CAD-C3D	-2.19	123.29	128.42
14	B	814	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	A	835	CLA	C3D-C4D-ND	2.19	113.55	109.99
14	b	801	CLA	C4-C3-C5	2.19	119.03	115.23
14	G	817	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	B	834	CLA	O2D-CGD-O1D	-2.19	119.58	123.85
14	H	809	CLA	O2D-CGD-O1D	-2.19	119.58	123.85
14	b	809	CLA	O2D-CGD-O1D	-2.19	119.58	123.85
16	B	846	BCR	C38-C26-C25	-2.19	122.09	124.48
14	B	822	CLA	CAC-C3C-C4C	2.19	127.64	124.79
14	G	822	CLA	CAA-C2A-C3A	-2.19	107.08	113.00
14	B	824	CLA	O2D-CGD-O1D	-2.19	119.58	123.85
14	Q	201	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
14	H	834	CLA	CBA-CAA-C2A	2.19	120.31	113.79
14	U	206	CLA	CAC-C3C-C4C	2.19	127.64	124.79
14	A	828	CLA	C4-C3-C5	2.19	119.03	115.23
14	H	802	CLA	O1D-CGD-CBD	-2.19	120.20	124.52
16	R	102	BCR	C35-C13-C12	2.19	121.43	118.09
14	A	821	CLA	CBA-CAA-C2A	2.19	120.31	113.79
14	H	810	CLA	C3C-C4C-NC	2.19	113.23	110.43
14	A	824	CLA	C4D-C3D-CAD	2.19	110.48	108.11
16	B	849	BCR	C8-C9-C10	2.19	122.45	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	204	CLA	C4B-CHC-C1C	2.19	131.39	126.25
14	H	805	CLA	C4C-C3C-C2C	-2.19	103.71	106.89
14	H	830	CLA	CBA-CAA-C2A	2.19	120.30	113.79
14	B	839	CLA	C1-O2A-CGA	2.19	121.94	116.65
14	b	837	CLA	CBC-CAC-C3C	-2.19	106.49	112.42
16	S	103	BCR	C35-C13-C12	2.19	121.43	118.09
14	A	808	CLA	O2D-CGD-O1D	-2.19	119.59	123.85
14	a	814	CLA	CMD-C2D-C3D	-2.19	122.67	127.69
16	a	844	BCR	C2-C1-C6	2.19	113.61	110.44
14	A	825	CLA	O1D-CGD-CBD	-2.19	120.21	124.52
14	B	838	CLA	C1-O2A-CGA	2.19	121.94	116.65
14	B	832	CLA	OBD-CAD-C3D	-2.18	123.31	128.42
14	H	808	CLA	CMD-C2D-C3D	-2.18	122.68	127.69
14	G	835	CLA	C3D-C4D-ND	2.18	113.54	109.99
14	B	842	CLA	C3D-C4D-ND	2.18	113.54	109.99
14	G	835	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
14	M	1601	CLA	CED-O2D-CGD	2.18	120.87	115.92
14	H	831	CLA	C1-O2A-CGA	2.18	121.94	116.65
14	G	834	CLA	O1D-CGD-CBD	-2.18	120.21	124.52
14	A	834	CLA	CAC-C3C-C4C	2.18	127.63	124.79
14	b	840	CLA	CBA-CAA-C2A	2.18	120.29	113.79
14	A	803	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
16	U	202	BCR	C31-C1-C6	-2.18	106.82	110.24
16	b	850	BCR	C35-C13-C12	2.18	121.42	118.09
16	H	849	BCR	C29-C28-C27	-2.18	106.48	111.28
14	G	809	CLA	CED-O2D-CGD	2.18	120.86	115.92
14	A	831	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
14	b	824	CLA	CAC-C3C-C4C	2.18	127.63	124.79
14	H	819	CLA	C2B-C1B-NB	2.18	112.59	110.33
16	Q	203	BCR	C34-C9-C8	2.18	121.42	118.09
14	G	818	CLA	C4-C3-C5	2.18	119.01	115.23
14	a	840	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
16	l	201	BCR	C38-C26-C27	2.18	118.25	113.60
16	J	1304	BCR	C37-C22-C21	-2.18	119.28	122.82
14	a	811	CLA	CMB-C2B-C1B	2.18	128.74	125.42
16	a	844	BCR	C33-C5-C6	-2.18	122.11	124.48
14	G	826	CLA	CAC-C3C-C4C	2.18	127.63	124.79
14	G	821	CLA	CBA-CAA-C2A	2.18	120.28	113.79
14	b	802	CLA	CMD-C2D-C3D	-2.18	122.69	127.69
14	B	801	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	a	826	CLA	C4-C3-C5	2.18	119.01	115.23
14	L	201	CLA	CMB-C2B-C1B	2.18	128.74	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	201	CLA	OBD-CAD-C3D	-2.18	123.33	128.42
14	l	204	CLA	CMA-C3A-C4A	2.18	117.63	111.77
14	b	808	CLA	CHC-C1C-C2C	-2.18	120.76	126.95
14	A	809	CLA	CMC-C2C-C1C	2.18	128.44	125.03
14	U	206	CLA	CMD-C2D-C3D	-2.18	122.69	127.69
14	G	835	CLA	CHA-C1A-NA	-2.18	121.46	126.39
14	B	804	CLA	C1-C2-C3	-2.18	122.63	126.20
14	H	823	CLA	C3C-C4C-NC	2.18	113.22	110.43
15	b	841	PQN	C2M-C2-C3	-2.18	120.87	124.45
14	A	810	CLA	C4-C3-C5	2.18	119.01	115.23
14	a	803	CLA	C4-C3-C5	2.18	119.01	115.23
14	B	811	CLA	CMD-C2D-C3D	-2.18	122.70	127.69
14	a	818	CLA	CHC-C1C-C2C	-2.18	120.76	126.95
14	a	831	CLA	CAA-C2A-C3A	-2.18	107.12	113.00
14	G	813	CLA	CHB-C1B-C2B	-2.18	121.11	127.43
14	A	842	CLA	CMC-C2C-C3C	2.18	132.03	126.15
14	B	808	CLA	C3D-C4D-ND	2.18	113.52	109.99
16	L	209	BCR	C15-C14-C13	-2.18	124.23	127.28
16	G	846	BCR	C7-C8-C9	-2.18	123.02	126.23
14	B	825	CLA	CHB-C4A-NA	2.18	127.54	124.40
14	a	842	CLA	CHB-C1B-C2B	-2.18	121.11	127.43
14	H	812	CLA	O2D-CGD-O1D	-2.18	119.61	123.85
14	H	824	CLA	CAA-C2A-C3A	-2.18	107.12	113.00
14	b	823	CLA	CMA-C3A-C2A	2.18	122.39	113.98
14	G	814	CLA	O1D-CGD-CBD	-2.18	120.23	124.52
14	a	835	CLA	C3D-C4D-ND	2.17	113.52	109.99
14	G	803	CLA	C6-C5-C3	-2.17	108.17	113.47
14	G	817	CLA	CHA-C1A-NA	-2.17	121.47	126.39
14	B	842	CLA	CHC-C1C-C2C	-2.17	120.77	126.95
14	b	821	CLA	O2D-CGD-O1D	-2.17	119.61	123.85
16	G	846	BCR	C34-C9-C10	-2.17	119.29	122.82
14	H	827	CLA	O1D-CGD-CBD	-2.17	120.23	124.52
14	a	853	CLA	CMB-C2B-C1B	2.17	128.73	125.42
14	H	830	CLA	C1-O2A-CGA	2.17	121.91	116.65
14	U	206	CLA	CMA-C3A-C4A	2.17	117.61	111.77
14	H	825	CLA	O1D-CGD-CBD	-2.17	120.23	124.52
14	a	835	CLA	CHA-C1A-NA	-2.17	121.47	126.39
14	H	842	CLA	C4-C3-C5	2.17	119.00	115.23
14	B	828	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	b	832	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	a	807	CLA	CMB-C2B-C1B	2.17	128.73	125.42
14	A	832	CLA	C4D-C3D-CAD	2.17	110.46	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	803	CLA	C4D-C3D-CAD	2.17	110.46	108.11
14	b	823	CLA	C1-C2-C3	-2.17	122.64	126.20
14	B	829	CLA	CHA-C1A-NA	-2.17	121.47	126.39
14	G	815	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	B	819	CLA	C4-C3-C5	2.17	119.00	115.23
16	b	844	BCR	C40-C30-C25	2.17	113.65	110.24
14	H	819	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	a	833	CLA	CHB-C4A-NA	2.17	127.53	124.40
14	b	818	CLA	CMC-C2C-C3C	2.17	132.02	126.15
14	G	838	CLA	O2D-CGD-O1D	-2.17	119.62	123.85
14	a	832	CLA	CMA-C3A-C4A	2.17	117.60	111.77
14	A	802	CLA	O1D-CGD-CBD	-2.17	120.24	124.52
14	R	101	CLA	OBD-CAD-C3D	-2.17	123.35	128.42
14	b	803	CLA	CMB-C2B-C3B	2.17	131.65	126.55
14	A	814	CLA	CMD-C2D-C3D	-2.17	122.72	127.69
14	A	819	CLA	CMA-C3A-C4A	2.17	117.60	111.77
14	G	813	CLA	CMB-C2B-C3B	2.17	131.65	126.55
14	b	837	CLA	C1-O2A-CGA	2.17	121.90	116.65
14	G	823	CLA	C4C-C3C-C2C	-2.17	103.73	106.89
14	J	1301	CLA	C4C-C3C-C2C	-2.17	103.73	106.89
14	B	840	CLA	CAC-C3C-C4C	2.17	127.61	124.79
14	H	806	CLA	CHD-C1D-ND	-2.17	121.75	124.80
14	B	817	CLA	CHC-C1C-C2C	-2.17	120.79	126.95
14	A	842	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
14	B	816	CLA	C4-C3-C5	2.17	118.99	115.23
14	H	810	CLA	C4-C3-C5	2.17	118.99	115.23
17	a	851	LHG	C5-O7-C7	-2.17	112.61	117.80
16	H	849	BCR	C12-C13-C14	-2.17	115.60	119.01
14	b	838	CLA	CAC-C3C-C4C	2.17	127.61	124.79
14	H	802	CLA	CAA-CBA-CGA	-2.17	107.06	113.21
14	H	833	CLA	CED-O2D-CGD	2.17	120.83	115.92
14	A	840	CLA	O1D-CGD-CBD	-2.17	120.25	124.52
14	a	819	CLA	CAC-C3C-C4C	2.17	127.61	124.79
14	H	839	CLA	C1-O2A-CGA	2.17	121.89	116.65
14	a	818	CLA	C4-C3-C5	2.17	118.99	115.23
14	B	810	CLA	C4-C3-C5	2.17	118.99	115.23
14	l	203	CLA	C4B-CHC-C1C	2.16	131.34	126.25
14	A	808	CLA	C1-C2-C3	-2.16	122.65	126.20
14	U	206	CLA	C3C-C4C-NC	2.16	113.20	110.43
14	a	821	CLA	CBA-CAA-C2A	2.16	120.23	113.79
14	G	808	CLA	C1-C2-C3	-2.16	122.65	126.20
14	a	816	CLA	CMA-C3A-C4A	2.16	117.59	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	829	CLA	CHB-C1B-C2B	-2.16	121.14	127.43
16	b	847	BCR	C33-C5-C4	2.16	118.21	113.60
14	H	836	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
14	B	809	CLA	O2D-CGD-O1D	-2.16	119.64	123.85
14	b	814	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
14	G	808	CLA	O2D-CGD-O1D	-2.16	119.64	123.85
14	A	832	CLA	C1-O2A-CGA	2.16	121.89	116.65
14	H	815	CLA	CBC-CAC-C3C	2.16	118.28	112.42
14	B	827	CLA	O1D-CGD-CBD	-2.16	120.25	124.52
14	Q	201	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	A	803	CLA	C4-C3-C5	2.16	118.98	115.23
14	G	814	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	H	829	CLA	CBA-CAA-C2A	2.16	120.22	113.79
14	B	819	CLA	CAA-C2A-C1A	-2.16	104.89	111.97
14	a	821	CLA	C3C-C4C-NC	2.16	113.20	110.43
14	a	836	CLA	C3D-C4D-ND	2.16	113.50	109.99
14	A	840	CLA	C4D-C3D-CAD	2.16	110.45	108.11
14	H	823	CLA	CHC-C1C-C2C	-2.16	120.81	126.95
14	Q	202	CLA	CMA-C3A-C4A	2.16	117.58	111.77
14	L	206	CLA	C6-C5-C3	-2.16	108.21	113.47
14	A	821	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	B	829	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	A	820	CLA	C4-C3-C5	2.16	118.98	115.23
14	B	830	CLA	CBA-CAA-C2A	2.16	120.22	113.79
14	B	815	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	H	813	CLA	O1D-CGD-CBD	-2.16	120.26	124.52
16	G	848	BCR	C1-C6-C5	-2.16	119.69	122.64
16	G	846	BCR	C27-C26-C25	-2.16	119.79	122.70
14	S	101	CLA	C3D-C4D-ND	2.16	113.49	109.99
14	B	804	CLA	CHB-C1B-C2B	-2.16	121.17	127.43
14	b	824	CLA	O1D-CGD-CBD	-2.16	120.26	124.52
14	a	807	CLA	CHB-C4A-NA	2.16	127.51	124.40
14	A	824	CLA	C3D-C4D-ND	2.16	113.49	109.99
16	m	1203	BCR	C31-C1-C6	-2.16	106.86	110.24
14	b	806	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
14	G	838	CLA	CMB-C2B-C1B	2.16	128.70	125.42
14	G	833	CLA	CHB-C4A-NA	2.16	127.51	124.40
14	b	829	CLA	CAA-CBA-CGA	-2.16	106.74	112.49
14	b	805	CLA	C3D-C4D-ND	2.15	113.49	109.99
14	G	814	CLA	CMD-C2D-C3D	-2.15	122.75	127.69
14	j	1302	CLA	C3D-C4D-ND	2.15	113.49	109.99
14	a	809	CLA	CMC-C2C-C1C	2.15	128.40	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	F	202	BCR	C23-C22-C21	2.15	122.40	119.01
14	H	804	CLA	C1-C2-C3	-2.15	122.67	126.20
14	b	811	CLA	CHB-C4A-NA	2.15	127.51	124.40
16	b	845	BCR	C30-C25-C24	2.15	121.49	115.65
14	b	814	CLA	CMD-C2D-C3D	-2.15	122.75	127.69
14	a	853	CLA	CMA-C3A-C4A	2.15	117.56	111.77
14	G	828	CLA	CMC-C2C-C1C	2.15	128.40	125.03
14	B	815	CLA	CMA-C3A-C4A	2.15	117.55	111.77
16	b	847	BCR	C39-C30-C25	-2.15	106.87	110.24
14	b	819	CLA	CAC-C3C-C4C	2.15	127.59	124.79
16	m	1203	BCR	C33-C5-C4	2.15	118.18	113.60
14	b	804	CLA	C1-C2-C3	-2.15	122.67	126.20
14	G	815	CLA	CMB-C2B-C1B	2.15	128.69	125.42
16	a	844	BCR	C23-C22-C21	2.15	122.39	119.01
14	b	819	CLA	C4C-C3C-C2C	-2.15	103.76	106.89
16	G	843	BCR	C2-C1-C6	2.15	113.56	110.44
14	a	814	CLA	OBD-CAD-C3D	-2.15	123.39	128.42
14	H	802	CLA	C1-C2-C3	-2.15	122.67	126.20
14	G	819	CLA	CMB-C2B-C1B	2.15	128.69	125.42
14	b	827	CLA	C3D-C4D-ND	2.15	113.48	109.99
14	a	807	CLA	CMD-C2D-C3D	-2.15	122.76	127.69
14	H	822	CLA	CAC-C3C-C4C	2.15	127.58	124.79
14	G	803	CLA	CAA-C2A-C3A	-2.15	107.19	113.00
16	S	103	BCR	C37-C22-C21	-2.15	119.34	122.82
14	G	836	CLA	C3D-C4D-ND	2.15	113.48	109.99
14	B	842	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	b	815	CLA	C1-O2A-CGA	2.15	121.85	116.65
14	H	807	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	b	807	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	A	807	CLA	CAA-C2A-C3A	-2.15	107.20	113.00
14	F	201	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	a	813	CLA	CMB-C2B-C3B	2.14	131.59	126.55
14	b	811	CLA	CMA-C3A-C2A	2.14	122.27	113.98
16	a	847	BCR	C27-C26-C25	-2.14	119.81	122.70
14	G	807	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	a	808	CLA	O2D-CGD-O1D	-2.14	119.67	123.85
14	G	812	CLA	CHA-C1A-NA	-2.14	121.54	126.39
14	b	816	CLA	CMA-C3A-C4A	2.14	117.53	111.77
14	G	809	CLA	CMC-C2C-C1C	2.14	128.38	125.03
14	a	821	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	j	1301	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	B	828	CLA	C4-C3-C5	2.14	118.95	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	G	842	PQN	C14-C13-C12	-2.14	118.12	123.63
14	A	840	CLA	CHC-C1C-C2C	-2.14	120.86	126.95
14	H	834	CLA	O1D-CGD-CBD	-2.14	120.29	124.52
14	L	205	CLA	C3C-C4C-NC	2.14	113.17	110.43
14	b	833	CLA	CAA-C2A-C3A	-2.14	107.21	113.00
14	H	804	CLA	CHB-C1B-C2B	-2.14	121.21	127.43
14	B	819	CLA	CMA-C3A-C4A	2.14	117.53	111.77
16	A	846	BCR	C38-C26-C27	2.14	118.16	113.60
14	a	819	CLA	CHA-C1A-NA	-2.14	121.54	126.39
14	a	835	CLA	CHC-C1C-C2C	-2.14	120.86	126.95
14	a	836	CLA	CMD-C2D-C3D	-2.14	122.78	127.69
16	A	844	BCR	C33-C5-C6	-2.14	122.15	124.48
14	B	819	CLA	CAC-C3C-C4C	2.14	127.58	124.79
14	b	828	CLA	CAC-C3C-C4C	2.14	127.58	124.79
14	G	819	CLA	CMA-C3A-C4A	2.14	117.53	111.77
16	L	202	BCR	C38-C26-C27	2.14	118.16	113.60
14	B	803	CLA	CMB-C2B-C3B	2.14	131.58	126.55
14	H	824	CLA	O2D-CGD-O1D	-2.14	119.68	123.85
14	B	836	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
14	G	832	CLA	CMD-C2D-C3D	-2.14	122.78	127.69
14	H	802	CLA	CMD-C2D-C3D	-2.14	122.78	127.69
14	A	842	CLA	CAC-C3C-C2C	2.14	131.49	127.56
14	b	834	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
14	H	833	CLA	O2D-CGD-O1D	-2.14	119.69	123.85
14	a	813	CLA	CHA-C1A-NA	-2.14	121.55	126.39
14	H	815	CLA	CHA-C1A-NA	-2.14	121.55	126.39
14	A	836	CLA	C3D-C4D-ND	2.14	113.46	109.99
14	H	808	CLA	CHA-C1A-NA	-2.14	121.55	126.39
16	H	847	BCR	C30-C25-C24	2.14	121.45	115.65
14	a	838	CLA	CAA-C2A-C3A	-2.14	107.22	113.00
15	A	843	PQN	C2M-C2-C1	-2.14	112.74	116.68
14	H	832	CLA	CHA-C4D-ND	2.14	136.96	132.55
14	b	838	CLA	CMB-C2B-C1B	2.14	128.67	125.42
14	H	834	CLA	OBD-CAD-C3D	-2.14	123.42	128.42
13	A	801	CL0	CHC-C1C-C2C	-2.14	120.88	126.95
14	b	839	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	G	803	CLA	C4-C3-C5	2.14	118.94	115.23
14	b	815	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	A	819	CLA	CHA-C4D-ND	2.14	136.96	132.55
14	H	833	CLA	CMC-C2C-C1C	2.14	128.37	125.03
14	A	808	CLA	O1D-CGD-CBD	-2.14	120.31	124.52
16	m	1203	BCR	C34-C9-C10	-2.14	119.36	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1601	CLA	O2D-CGD-O1D	-2.14	119.69	123.85
14	A	837	CLA	CHC-C1C-C2C	-2.14	120.88	126.95
14	a	842	CLA	CHC-C1C-C2C	-2.14	120.88	126.95
14	B	818	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	a	807	CLA	CAC-C3C-C4C	2.13	127.57	124.79
14	F	201	CLA	CHB-C1B-C2B	-2.13	121.23	127.43
14	H	838	CLA	C4-C3-C5	2.13	118.93	115.23
14	B	832	CLA	CHC-C1C-C2C	-2.13	120.88	126.95
14	B	834	CLA	C1-C2-C3	-2.13	122.70	126.20
14	G	841	CLA	CHC-C1C-C2C	-2.13	120.88	126.95
14	m	1202	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	J	1301	CLA	CAC-C3C-C4C	2.13	127.57	124.79
14	B	814	CLA	CMB-C2B-C1B	2.13	128.67	125.42
14	H	834	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	B	802	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	H	805	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	G	803	CLA	CHA-C1A-NA	-2.13	121.56	126.39
16	U	202	BCR	C1-C6-C5	-2.13	119.72	122.64
14	G	840	CLA	C4D-C3D-CAD	2.13	110.42	108.11
14	G	813	CLA	CAC-C3C-C4C	2.13	127.56	124.79
14	H	818	CLA	CAC-C3C-C4C	2.13	127.56	124.79
14	B	802	CLA	CMD-C2D-C3D	-2.13	122.80	127.69
14	B	838	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	B	803	CLA	C4D-C3D-CAD	2.13	110.42	108.11
14	a	802	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	a	812	CLA	CGD-CBD-CAD	-2.13	103.95	110.85
14	b	829	CLA	CHB-C1B-C2B	-2.13	121.24	127.43
14	A	810	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	A	836	CLA	CMD-C2D-C3D	-2.13	122.80	127.69
17	A	851	LHG	C5-O7-C7	-2.13	112.70	117.80
14	a	837	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	H	837	CLA	CHA-C1A-NA	-2.13	121.57	126.39
14	a	831	CLA	CHA-C1A-NA	-2.13	121.57	126.39
14	A	819	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	G	839	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
16	A	847	BCR	C27-C26-C25	-2.13	119.83	122.70
14	l	204	CLA	CMD-C2D-C3D	-2.13	122.81	127.69
14	a	821	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	U	207	CLA	C4-C3-C5	2.13	118.92	115.23
14	G	837	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	B	818	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	A	824	CLA	C1-C2-C3	-2.13	122.71	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	815	CLA	C1-O2A-CGA	2.13	121.80	116.65
14	b	812	CLA	C1-O2A-CGA	2.13	121.80	116.65
14	b	826	CLA	CHA-C1A-NA	-2.13	121.57	126.39
14	b	814	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	a	831	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	B	813	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	A	802	CLA	CMB-C2B-C1B	2.13	128.66	125.42
14	b	836	CLA	C4-C3-C5	2.13	118.92	115.23
14	B	816	CLA	CBC-CAC-C3C	-2.13	106.66	112.42
14	H	827	CLA	CHA-C4D-ND	2.13	136.94	132.55
14	B	824	CLA	CAC-C3C-C4C	2.13	127.56	124.79
14	G	829	CLA	C4B-CHC-C1C	2.13	131.25	126.25
14	j	1301	CLA	CAC-C3C-C4C	2.13	127.56	124.79
14	B	831	CLA	CHC-C1C-C2C	-2.13	120.91	126.95
14	l	204	CLA	C1-O2A-CGA	2.13	121.80	116.65
14	B	806	CLA	C4D-C3D-CAD	2.13	110.41	108.11
14	H	827	CLA	C3C-C4C-NC	2.12	113.15	110.43
14	B	807	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
14	A	831	CLA	CHA-C1A-NA	-2.12	121.58	126.39
14	B	837	CLA	CHA-C1A-NA	-2.12	121.58	126.39
13	A	801	CL0	C6-C5-C3	-2.12	108.29	113.47
14	G	840	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
16	i	101	BCR	C4-C5-C6	-2.12	119.83	122.70
14	a	821	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
14	G	831	CLA	CAA-C2A-C3A	-2.12	107.26	113.00
14	G	831	CLA	CHA-C1A-NA	-2.12	121.58	126.39
14	b	802	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
16	A	844	BCR	C23-C22-C21	2.12	122.35	119.01
14	a	812	CLA	CMA-C3A-C4A	2.12	117.48	111.77
16	G	844	BCR	C35-C13-C12	2.12	121.33	118.09
14	A	826	CLA	C6-C5-C3	-2.12	108.30	113.47
14	m	1202	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
14	G	840	CLA	CHC-C1C-C2C	-2.12	120.92	126.95
13	G	801	CL0	CMB-C2B-C3B	2.12	131.54	126.55
14	a	826	CLA	CHA-C4D-ND	2.12	136.93	132.55
14	H	813	CLA	CHC-C1C-C2C	-2.12	120.92	126.95
14	A	819	CLA	CHA-C1A-NA	-2.12	121.59	126.39
14	A	817	CLA	CAC-C3C-C4C	2.12	127.55	124.79
14	A	804	CLA	C1-O2A-CGA	2.12	121.78	116.65
14	a	841	CLA	CHC-C1C-C2C	-2.12	120.92	126.95
14	a	817	CLA	CED-O2D-CGD	2.12	120.72	115.92
14	A	852	CLA	O1D-CGD-CBD	-2.12	120.34	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	841	CLA	CHB-C1B-C2B	-2.12	121.27	127.43
14	J	1301	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
14	b	839	CLA	CHA-C4D-ND	2.12	136.92	132.55
14	H	802	CLA	CHA-C1A-NA	-2.12	121.59	126.39
14	b	824	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
14	B	816	CLA	CED-O2D-CGD	2.12	120.72	115.92
14	A	807	CLA	CHB-C4A-NA	2.12	127.46	124.40
14	b	826	CLA	CHD-C4C-C3C	-2.12	121.69	124.77
14	B	816	CLA	CHA-C4D-ND	2.12	136.92	132.55
14	B	824	CLA	C1-C2-C3	-2.12	122.73	126.20
16	b	844	BCR	C35-C13-C12	2.12	121.32	118.09
14	G	808	CLA	CHA-C1A-NA	-2.12	121.60	126.39
16	B	848	BCR	C40-C30-C29	-2.12	100.82	108.95
16	V	1602	BCR	C1-C6-C7	2.12	121.39	115.65
17	A	850	LHG	C5-O7-C7	-2.12	112.73	117.80
16	b	845	BCR	C23-C22-C21	2.12	122.34	119.01
14	b	832	CLA	C1-C2-C3	-2.12	122.73	126.20
14	G	807	CLA	CMB-C2B-C1B	2.12	128.64	125.42
14	b	826	CLA	C4C-C3C-C2C	-2.12	103.81	106.89
14	G	809	CLA	C4C-C3C-C2C	-2.12	103.81	106.89
16	L	207	BCR	C15-C14-C13	-2.12	124.31	127.28
14	G	832	CLA	CHC-C1C-C2C	-2.12	120.94	126.95
14	B	833	CLA	CMC-C2C-C1C	2.11	128.34	125.03
14	a	832	CLA	C1-O2A-CGA	2.11	121.77	116.65
14	H	824	CLA	C1-C2-C3	-2.11	122.73	126.20
14	A	816	CLA	CMA-C3A-C4A	2.11	117.46	111.77
14	b	831	CLA	C4B-CHC-C1C	2.11	131.22	126.25
16	l	201	BCR	C31-C1-C6	-2.11	106.93	110.24
14	G	825	CLA	CMC-C2C-C1C	2.11	128.34	125.03
14	B	812	CLA	C4-C3-C5	2.11	118.90	115.23
14	G	808	CLA	CAC-C3C-C4C	2.11	127.54	124.79
14	A	812	CLA	CHA-C1A-NA	-2.11	121.61	126.39
14	b	835	CLA	CHA-C1A-NA	-2.11	121.61	126.39
14	G	841	CLA	CMC-C2C-C3C	2.11	131.87	126.15
16	a	845	BCR	C35-C13-C12	2.11	121.32	118.09
14	H	815	CLA	O2D-CGD-O1D	-2.11	119.73	123.85
14	a	817	CLA	CMB-C2B-C3B	2.11	131.52	126.55
14	A	804	CLA	CMD-C2D-C3D	-2.11	122.84	127.69
14	G	829	CLA	C4-C3-C5	2.11	118.89	115.23
14	H	803	CLA	CHB-C1B-C2B	-2.11	121.30	127.43
14	G	802	CLA	O1D-CGD-CBD	-2.11	120.35	124.52
14	H	807	CLA	O1D-CGD-CBD	-2.11	120.35	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	837	CLA	CBA-CAA-C2A	2.11	120.07	113.79
14	a	817	CLA	OBD-CAD-C3D	-2.11	123.48	128.42
14	a	826	CLA	CHC-C1C-C2C	-2.11	120.95	126.95
16	J	1304	BCR	C2-C1-C6	2.11	113.50	110.44
14	A	804	CLA	O1D-CGD-CBD	-2.11	120.36	124.52
14	G	802	CLA	CMD-C2D-C3D	-2.11	122.85	127.69
14	a	812	CLA	CHD-C4C-NC	-2.11	120.96	124.23
14	A	828	CLA	CAC-C3C-C4C	2.11	127.53	124.79
16	G	844	BCR	C24-C25-C26	-2.11	116.70	121.56
14	a	821	CLA	CHA-C1A-NA	-2.11	121.62	126.39
14	a	834	CLA	CAC-C3C-C4C	2.11	127.53	124.79
14	b	830	CLA	O2D-CGD-O1D	-2.11	119.74	123.85
16	M	1602	BCR	C27-C26-C25	-2.11	119.86	122.70
14	a	824	CLA	C1-C2-C3	-2.11	122.74	126.20
16	G	843	BCR	C29-C28-C27	-2.11	106.64	111.28
14	b	832	CLA	CMA-C3A-C4A	2.11	117.44	111.77
14	A	803	CLA	CAC-C3C-C4C	2.11	127.53	124.79
14	b	827	CLA	CHA-C4D-ND	2.11	136.90	132.55
14	G	829	CLA	CMD-C2D-C3D	-2.11	122.86	127.69
14	H	801	CLA	CHB-C4A-NA	2.11	127.44	124.40
16	B	846	BCR	C35-C13-C12	2.11	121.31	118.09
14	H	819	CLA	CMA-C3A-C4A	2.11	117.43	111.77
16	B	847	BCR	C23-C22-C21	2.10	122.32	119.01
14	B	842	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	A	809	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	B	818	CLA	C1-O2A-CGA	2.10	121.74	116.65
14	b	829	CLA	CMB-C2B-C3B	2.10	131.50	126.55
14	H	819	CLA	CAA-CBA-CGA	-2.10	107.23	113.21
14	H	824	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
14	A	826	CLA	O1D-CGD-CBD	-2.10	120.37	124.52
14	a	819	CLA	CMA-C3A-C4A	2.10	117.43	111.77
14	G	810	CLA	CBC-CAC-C3C	-2.10	106.72	112.42
14	b	827	CLA	CBA-CAA-C2A	2.10	120.05	113.79
14	H	806	CLA	CHD-C4C-C3C	-2.10	121.71	124.77
14	B	838	CLA	C4-C3-C5	2.10	118.88	115.23
14	a	808	CLA	O1D-CGD-CBD	-2.10	120.37	124.52
16	S	103	BCR	C2-C1-C6	2.10	113.49	110.44
14	G	826	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	A	835	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	A	842	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	H	823	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	B	826	CLA	C1-C2-C3	-2.10	122.75	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	U	202	BCR	C38-C26-C27	2.10	118.08	113.60
14	j	1301	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	H	830	CLA	CHA-C4D-ND	2.10	136.88	132.55
14	H	802	CLA	O2D-CGD-O1D	-2.10	119.76	123.85
14	G	816	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	H	812	CLA	C4-C3-C5	2.10	118.87	115.23
14	G	814	CLA	C4C-C3C-C2C	-2.10	103.83	106.89
14	B	801	CLA	C4A-NA-C1A	2.10	107.64	106.68
16	f	201	BCR	C23-C22-C21	2.10	122.31	119.01
14	A	809	CLA	CHA-C1A-NA	-2.10	121.64	126.39
15	B	843	PQN	C12-C11-C3	-2.10	106.91	112.08
14	b	837	CLA	C1-C2-C3	-2.10	122.76	126.20
14	A	812	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	b	834	CLA	CHA-C1A-NA	-2.10	121.64	126.39
14	H	802	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
14	a	834	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
14	A	833	CLA	OBD-CAD-C3D	-2.10	123.51	128.42
16	U	202	BCR	C33-C5-C4	2.10	118.07	113.60
14	k	102	CLA	CAC-C3C-C4C	2.10	127.52	124.79
16	H	850	BCR	C2-C1-C6	2.10	113.48	110.44
14	H	805	CLA	C3D-C4D-ND	2.10	113.39	109.99
14	b	827	CLA	C1-O2A-CGA	2.10	121.73	116.65
14	A	825	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
14	H	828	CLA	C4-C3-C5	2.10	118.87	115.23
14	J	1301	CLA	CHA-C1A-NA	-2.10	121.64	126.39
14	A	832	CLA	CHB-C4A-NA	2.10	127.42	124.40
14	A	825	CLA	CMD-C2D-C3D	-2.10	122.88	127.69
16	b	845	BCR	C31-C1-C6	-2.10	106.96	110.24
14	G	810	CLA	CHC-C1C-C2C	-2.10	120.99	126.95
14	b	828	CLA	C1-O2A-CGA	2.10	121.72	116.65
14	G	819	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	b	809	CLA	C4B-C3B-C2B	-2.09	104.70	107.30
14	a	819	CLA	CHA-C4D-ND	2.09	136.87	132.55
16	U	202	BCR	C37-C22-C23	2.09	121.29	118.09
14	B	834	CLA	CMA-C3A-C4A	2.09	117.40	111.77
14	U	207	CLA	C6-C5-C3	-2.09	108.37	113.47
16	L	202	BCR	C31-C1-C6	-2.09	106.96	110.24
14	A	818	CLA	C1-C2-C3	-2.09	122.77	126.20
14	a	808	CLA	CAA-CBA-CGA	-2.09	107.26	113.21
14	b	832	CLA	C4C-C3C-C2C	-2.09	103.84	106.89
14	L	201	CLA	CGD-CBD-CAD	-2.09	104.07	110.85
14	b	802	CLA	O2D-CGD-O1D	-2.09	119.77	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	807	CLA	CHB-C4A-NA	2.09	127.42	124.40
14	G	810	CLA	CAA-C2A-C3A	-2.09	107.34	113.00
14	A	816	CLA	CAC-C3C-C4C	2.09	127.51	124.79
14	T	101	CLA	CMA-C3A-C4A	2.09	117.40	111.77
14	b	828	CLA	CHA-C4D-ND	2.09	136.87	132.55
14	T	102	CLA	CAC-C3C-C4C	2.09	127.51	124.79
16	H	848	BCR	C31-C1-C6	-2.09	106.96	110.24
14	H	813	CLA	O2D-CGD-O1D	-2.09	119.78	123.85
14	G	828	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	b	840	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
14	B	834	CLA	OBD-CAD-C3D	-2.09	123.53	128.42
14	Q	201	CLA	C1-C2-C3	-2.09	122.77	126.20
14	a	832	CLA	CAC-C3C-C4C	2.09	127.51	124.79
14	b	816	CLA	CAC-C3C-C4C	2.09	127.51	124.79
14	G	814	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
14	G	841	CLA	CHA-C1A-NA	-2.09	121.66	126.39
14	a	825	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
14	A	823	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	G	819	CLA	CHA-C4D-ND	2.09	136.86	132.55
14	H	839	CLA	CBA-CAA-C2A	2.09	120.01	113.79
14	b	825	CLA	C4-C3-C5	2.09	118.86	115.23
14	B	836	CLA	CHA-C1A-NA	-2.09	121.66	126.39
16	G	846	BCR	C24-C25-C26	-2.09	116.74	121.56
14	a	819	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	G	838	CLA	C4B-CHC-C1C	2.09	131.16	126.25
14	j	1301	CLA	CHA-C1A-NA	-2.09	121.66	126.39
14	G	818	CLA	CMD-C2D-C3D	-2.09	122.90	127.69
16	G	843	BCR	C33-C5-C6	-2.09	122.20	124.48
14	b	828	CLA	CHC-C1C-C2C	-2.09	121.01	126.95
16	B	844	BCR	C37-C22-C21	-2.09	119.43	122.82
14	L	205	CLA	C1-O2A-CGA	2.09	121.71	116.65
14	a	842	CLA	C3D-C4D-ND	2.09	113.38	109.99
14	B	831	CLA	CHA-C4D-ND	2.09	136.86	132.55
14	b	806	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	H	812	CLA	C6-C5-C3	-2.09	108.38	113.47
14	a	814	CLA	O1D-CGD-CBD	-2.09	120.40	124.52
16	M	1602	BCR	C15-C14-C13	-2.09	124.35	127.28
16	m	1203	BCR	C35-C13-C12	2.09	121.28	118.09
14	b	830	CLA	CMB-C2B-C3B	2.09	131.46	126.55
16	A	847	BCR	C24-C25-C26	-2.09	116.75	121.56
14	G	814	CLA	CMC-C2C-C1C	2.09	128.29	125.03
14	B	824	CLA	CHB-C1B-C2B	-2.09	121.37	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	829	CLA	C4-C3-C5	2.09	118.85	115.23
14	B	809	CLA	CHC-C1C-C2C	-2.09	121.02	126.95
14	a	817	CLA	CAC-C3C-C4C	2.09	127.50	124.79
14	A	811	CLA	C5-C3-C4	2.09	119.39	114.59
16	m	1203	BCR	C39-C30-C25	-2.09	106.97	110.24
14	H	816	CLA	CHC-C1C-C2C	-2.08	121.02	126.95
14	H	822	CLA	CHA-C1A-NA	-2.08	121.67	126.39
14	A	842	CLA	C5-C3-C4	2.08	119.39	114.59
14	H	840	CLA	CMB-C2B-C3B	2.08	131.45	126.55
14	G	810	CLA	CMB-C2B-C1B	2.08	128.59	125.42
14	G	839	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
16	A	845	BCR	C35-C13-C12	2.08	121.27	118.09
14	H	842	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
14	b	829	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
14	b	819	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
14	b	840	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
14	H	836	CLA	CHA-C1A-NA	-2.08	121.67	126.39
16	G	848	BCR	C12-C13-C14	-2.08	115.73	119.01
14	H	822	CLA	CHA-C4D-ND	2.08	136.84	132.55
14	A	835	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
14	b	811	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	A	842	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
14	A	818	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	b	810	CLA	O2D-CGD-O1D	-2.08	119.80	123.85
14	A	810	CLA	C3C-C4C-NC	2.08	113.10	110.43
14	G	841	CLA	C3D-C4D-ND	2.08	113.37	109.99
14	A	813	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	B	803	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
14	b	828	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
14	B	823	CLA	CMB-C2B-C3B	2.08	131.44	126.55
14	H	833	CLA	CHC-C1C-C2C	-2.08	121.04	126.95
14	G	819	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	G	824	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	a	842	CLA	CHA-C1A-NA	-2.08	121.68	126.39
13	G	801	CL0	C6-C5-C3	-2.08	108.40	113.47
14	H	842	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
14	T	102	CLA	CHA-C1A-NA	-2.08	121.68	126.39
14	a	815	CLA	CMB-C2B-C1B	2.08	128.58	125.42
14	G	811	CLA	C5-C3-C4	2.08	119.37	114.59
14	a	805	CLA	CHA-C1A-NA	-2.08	121.69	126.39
16	I	101	BCR	C4-C5-C6	-2.08	119.90	122.70
16	m	1203	BCR	C15-C14-C13	-2.08	124.36	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	812	CLA	CMD-C2D-C3D	-2.08	122.92	127.69
14	H	827	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
16	M	1602	BCR	C31-C1-C6	-2.08	106.98	110.24
14	B	824	CLA	CAA-C2A-C3A	-2.08	107.39	113.00
14	b	840	CLA	CHA-C1A-NA	-2.08	121.69	126.39
14	B	817	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
14	a	826	CLA	C4C-C3C-C2C	-2.08	103.87	106.89
14	B	808	CLA	CHA-C1A-NA	-2.08	121.69	126.39
14	b	819	CLA	CHA-C1A-NA	-2.08	121.69	126.39
14	b	804	CLA	C11-C10-C8	-2.08	109.06	115.97
14	J	1301	CLA	CMA-C3A-C4A	2.08	117.35	111.77
14	B	838	CLA	C1-C2-C3	-2.08	122.80	126.20
14	A	831	CLA	CHC-C1C-C2C	-2.08	121.05	126.95
14	A	821	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
14	B	805	CLA	C11-C10-C8	-2.08	109.07	115.97
16	B	847	BCR	C30-C25-C24	2.08	121.28	115.65
14	J	1301	CLA	C4D-C3D-CAD	2.08	110.36	108.11
14	b	822	CLA	CAA-CBA-CGA	-2.08	106.96	112.49
14	H	818	CLA	C1-C2-C3	-2.08	122.80	126.20
14	b	803	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
14	B	805	CLA	C1D-ND-C4D	-2.08	104.86	106.31
14	B	822	CLA	CHA-C1A-NA	-2.08	121.69	126.39
16	b	846	BCR	C31-C1-C6	-2.08	106.99	110.24
14	B	806	CLA	CMA-C3A-C4A	2.07	117.35	111.77
14	B	834	CLA	CHA-C1A-NA	-2.07	121.69	126.39
14	A	814	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	A	812	CLA	CHB-C4A-NA	2.07	127.39	124.40
14	a	809	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
16	A	849	BCR	C1-C6-C5	-2.07	119.80	122.64
16	A	846	BCR	C15-C14-C13	-2.07	124.37	127.28
14	a	808	CLA	CHA-C1A-NA	-2.07	121.70	126.39
14	a	812	CLA	C3C-C4C-NC	2.07	113.09	110.43
14	b	809	CLA	C6-C5-C3	-2.07	108.42	113.47
14	K	1401	CLA	CAC-C3C-C4C	2.07	127.49	124.79
14	b	812	CLA	CHA-C1A-NA	-2.07	121.70	126.39
16	H	846	BCR	C35-C13-C12	2.07	121.25	118.09
16	Q	203	BCR	C7-C8-C9	-2.07	123.17	126.23
14	b	832	CLA	CHA-C1A-NA	-2.07	121.70	126.39
14	G	805	CLA	C4B-CHC-C1C	2.07	131.12	126.25
14	G	824	CLA	C1-C2-C3	-2.07	122.80	126.20
14	G	817	CLA	CAC-C3C-C4C	2.07	127.48	124.79
14	G	803	CLA	CMB-C2B-C1B	2.07	128.57	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	835	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	a	835	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	b	835	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	H	837	CLA	CHC-C1C-C2C	-2.07	121.06	126.95
14	A	807	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
16	A	845	BCR	C24-C25-C26	-2.07	116.79	121.56
16	L	202	BCR	C1-C6-C5	-2.07	119.81	122.64
14	B	835	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
14	G	839	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
14	G	832	CLA	C1-O2A-CGA	2.07	121.66	116.65
14	G	838	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
16	j	1305	BCR	C2-C1-C6	2.07	113.44	110.44
16	F	202	BCR	C27-C26-C25	-2.07	119.91	122.70
14	A	803	CLA	CAA-CBA-CGA	-2.07	107.33	113.21
14	B	823	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
14	B	802	CLA	CMA-C3A-C4A	2.07	117.33	111.77
14	H	801	CLA	C4-C3-C5	2.07	118.82	115.23
14	a	823	CLA	CMB-C2B-C1B	2.07	128.57	125.42
14	b	813	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
16	G	846	BCR	C1-C6-C7	2.07	121.26	115.65
16	H	852	BCR	C33-C5-C6	-2.07	122.23	124.48
16	B	850	BCR	C31-C1-C6	-2.07	107.00	110.24
14	b	832	CLA	CBA-CAA-C2A	2.07	119.94	113.79
14	H	820	CLA	C1-C2-C3	-2.07	122.81	126.20
14	G	819	CLA	CAC-C3C-C4C	2.07	127.48	124.79
14	b	837	CLA	CAC-C3C-C4C	2.07	127.48	124.79
14	B	833	CLA	CHA-C1A-NA	-2.07	121.71	126.39
14	H	842	CLA	CBA-CAA-C2A	2.07	119.94	113.79
14	A	815	CLA	CMB-C2B-C1B	2.07	128.56	125.42
16	b	842	BCR	C37-C22-C21	-2.07	119.47	122.82
14	G	841	CLA	C5-C3-C4	2.07	119.34	114.59
14	k	101	CLA	CMA-C3A-C4A	2.07	117.33	111.77
14	B	826	CLA	CHC-C1C-NC	-2.07	121.20	124.31
16	M	1602	BCR	C39-C30-C25	-2.07	107.00	110.24
14	a	810	CLA	CAC-C3C-C4C	2.07	127.48	124.79
14	H	840	CLA	CHA-C1A-NA	-2.07	121.71	126.39
16	b	845	BCR	C35-C13-C14	-2.07	119.47	122.82
14	A	817	CLA	OBD-CAD-C3D	-2.07	123.59	128.42
14	b	812	CLA	OBD-CAD-C3D	-2.07	123.59	128.42
14	H	812	CLA	CBC-CAC-C3C	-2.06	106.82	112.42
16	a	847	BCR	C24-C25-C26	-2.06	116.80	121.56
14	G	831	CLA	CMB-C2B-C1B	2.06	128.56	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	J	1305	BCR	C39-C30-C25	-2.06	107.00	110.24
14	a	816	CLA	CAC-C3C-C4C	2.06	127.48	124.79
14	a	831	CLA	CAC-C3C-C4C	2.06	127.48	124.79
14	a	811	CLA	C5-C3-C4	2.06	119.34	114.59
14	L	204	CLA	CMD-C2D-C3D	-2.06	122.95	127.69
14	Q	201	CLA	CHA-C1A-NA	-2.06	121.72	126.39
14	L	205	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	B	822	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	G	825	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
14	A	822	CLA	CHC-C1C-C2C	-2.06	121.08	126.95
14	a	833	CLA	C5-C3-C4	2.06	119.34	114.59
14	G	808	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	B	837	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	a	833	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
13	a	801	CL0	CHC-C1C-C2C	-2.06	121.09	126.95
14	L	204	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
14	H	812	CLA	C4B-C3B-C2B	-2.06	104.74	107.30
14	B	805	CLA	CHB-C4A-NA	2.06	127.38	124.40
14	G	803	CLA	CAC-C3C-C4C	2.06	127.47	124.79
14	G	802	CLA	OBD-CAD-C3D	-2.06	123.60	128.42
14	A	824	CLA	C4B-C3B-C2B	-2.06	104.74	107.30
14	A	808	CLA	CHA-C1A-NA	-2.06	121.72	126.39
14	a	826	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	B	833	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
14	b	825	CLA	C4C-C3C-C2C	-2.06	103.89	106.89
14	B	839	CLA	CBA-CAA-C2A	2.06	119.92	113.79
14	a	827	CLA	CAA-C2A-C3A	-2.06	107.43	113.00
14	G	803	CLA	CAA-CBA-CGA	-2.06	107.36	113.21
14	G	809	CLA	CHA-C1A-NA	-2.06	121.73	126.39
14	G	821	CLA	CHA-C1A-NA	-2.06	121.73	126.39
14	A	832	CLA	CHC-C1C-C2C	-2.06	121.09	126.95
16	M	1602	BCR	C35-C13-C12	2.06	121.23	118.09
14	M	1601	CLA	O2D-CGD-O1D	-2.06	119.84	123.85
14	A	833	CLA	C5-C3-C4	2.06	119.33	114.59
14	B	801	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	A	842	CLA	C3D-C4D-ND	2.06	113.33	109.99
14	B	839	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
16	l	206	BCR	C28-C27-C26	-2.06	110.39	114.06
14	R	101	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
14	S	101	CLA	CHC-C1C-C2C	-2.06	121.10	126.95
14	B	815	CLA	CHA-C1A-NA	-2.06	121.73	126.39
14	H	808	CLA	C3D-C4D-ND	2.06	113.33	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	802	CLA	CHB-C1B-C2B	-2.06	121.45	127.43
14	B	838	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
14	H	829	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
16	a	847	BCR	C1-C6-C7	2.06	121.23	115.65
14	A	841	CLA	CMA-C3A-C4A	2.06	117.30	111.77
14	G	806	CLA	C1-O2A-CGA	2.06	121.63	116.65
14	a	819	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
16	G	847	BCR	C7-C8-C9	-2.06	123.19	126.23
14	J	1301	CLA	CHD-C1D-ND	-2.06	121.91	124.80
14	H	834	CLA	CHA-C1A-NA	-2.06	121.73	126.39
16	l	201	BCR	C1-C6-C5	-2.06	119.83	122.64
14	m	1201	CLA	CHB-C1B-C2B	-2.06	121.46	127.43
16	l	202	BCR	C7-C8-C9	-2.06	123.19	126.23
14	U	206	CLA	C1-O2A-CGA	2.06	121.63	116.65
16	H	844	BCR	C37-C22-C21	-2.06	119.49	122.82
14	k	102	CLA	CHA-C1A-NA	-2.06	121.74	126.39
16	B	850	BCR	C33-C5-C4	2.06	117.98	113.60
14	F	201	CLA	C1-C2-C3	-2.06	122.83	126.20
14	B	833	CLA	O2D-CGD-O1D	-2.05	119.85	123.85
14	B	827	CLA	CHC-C1C-C2C	-2.05	121.11	126.95
14	K	1401	CLA	CHA-C1A-NA	-2.05	121.74	126.39
14	U	205	CLA	CHB-C1B-C2B	-2.05	121.46	127.43
14	B	829	CLA	C3D-C4D-ND	2.05	113.33	109.99
14	H	834	CLA	C1-C2-C3	-2.05	122.83	126.20
14	a	842	CLA	C5-C3-C4	2.05	119.31	114.59
14	G	805	CLA	CHA-C1A-NA	-2.05	121.74	126.39
13	a	801	CL0	CMB-C2B-C3B	2.05	131.38	126.55
14	b	838	CLA	CHA-C1A-NA	-2.05	121.74	126.39
14	B	804	CLA	O2D-CGD-O1D	-2.05	119.85	123.85
16	I	101	BCR	C35-C13-C12	2.05	121.22	118.09
16	H	848	BCR	C38-C26-C25	-2.05	122.24	124.48
14	a	806	CLA	C1-O2A-CGA	2.05	121.62	116.65
14	a	804	CLA	CMB-C2B-C3B	2.05	131.38	126.55
17	G	850	LHG	C5-O7-C7	-2.05	112.89	117.80
14	a	827	CLA	O2D-CGD-O1D	-2.05	119.85	123.85
14	a	818	CLA	O1D-CGD-CBD	-2.05	120.47	124.52
16	Q	203	BCR	C23-C22-C21	2.05	122.24	119.01
14	b	816	CLA	C4-C3-C5	2.05	118.79	115.23
14	B	839	CLA	CBC-CAC-C3C	-2.05	106.86	112.42
14	a	841	CLA	O1D-CGD-CBD	-2.05	120.47	124.52
14	G	804	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	G	809	CLA	CHB-C4A-NA	2.05	127.36	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	814	CLA	CMB-C2B-C1B	2.05	128.54	125.42
14	H	815	CLA	CAC-C3C-C2C	-2.05	123.79	127.56
13	A	801	CL0	CAC-C3C-C4C	2.05	127.46	124.79
14	H	826	CLA	C1-C2-C3	-2.05	122.84	126.20
14	U	201	CLA	CMA-C3A-C2A	2.05	121.91	113.98
14	b	804	CLA	C4C-C3C-C2C	-2.05	103.91	106.89
14	a	829	CLA	C4B-CHC-C1C	2.05	131.07	126.25
14	H	802	CLA	C11-C10-C8	-2.05	109.15	115.97
14	B	818	CLA	C1-C2-C3	-2.05	122.84	126.20
14	b	815	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	G	811	CLA	CHA-C1A-NA	-2.05	121.75	126.39
14	k	101	CLA	CHC-C1C-C2C	-2.05	121.12	126.95
14	G	822	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	B	831	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
14	a	831	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	H	803	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	B	813	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	T	101	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	b	816	CLA	C2B-C1B-NB	2.05	112.45	110.33
14	a	833	CLA	OBD-CAD-C3D	-2.05	123.63	128.42
14	M	1601	CLA	CHA-C4D-ND	2.05	136.77	132.55
14	G	815	CLA	CHB-C4A-NA	2.05	127.36	124.40
15	b	841	PQN	C12-C11-C3	-2.05	107.04	112.08
14	G	833	CLA	C1-C2-C3	-2.05	123.45	126.76
14	a	832	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	H	834	CLA	CED-O2D-CGD	2.05	120.56	115.92
14	H	832	CLA	CHA-C1A-NA	-2.05	121.76	126.39
16	m	1203	BCR	C19-C18-C17	2.05	122.23	119.01
14	L	204	CLA	CHA-C1A-NA	-2.05	121.76	126.39
14	H	832	CLA	C3C-C4C-NC	2.05	113.05	110.43
14	L	206	CLA	C4-C3-C5	2.05	118.78	115.23
16	A	847	BCR	C1-C6-C7	2.05	121.20	115.65
16	M	1602	BCR	C34-C9-C10	-2.05	119.50	122.82
14	b	809	CLA	CMD-C2D-C3D	-2.05	123.00	127.69
14	G	833	CLA	C5-C3-C4	2.05	119.30	114.59
14	H	834	CLA	CMA-C3A-C4A	2.04	117.27	111.77
14	B	822	CLA	CBA-CAA-C2A	2.04	119.88	113.79
16	a	849	BCR	C19-C18-C17	2.04	122.22	119.01
14	G	821	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
14	G	839	CLA	C1-C2-C3	-2.04	122.85	126.20
14	l	203	CLA	CHB-C1B-C2B	-2.04	121.50	127.43
14	G	831	CLA	O1D-CGD-CBD	-2.04	120.49	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	802	CLA	C11-C10-C8	-2.04	109.17	115.97
14	b	835	CLA	CHC-C1C-C2C	-2.04	121.14	126.95
14	A	831	CLA	CAC-C3C-C4C	2.04	127.45	124.79
14	b	820	CLA	C3C-C4C-NC	2.04	113.05	110.43
14	b	830	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	a	825	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
17	a	850	LHG	C5-O7-C7	-2.04	112.91	117.80
16	a	844	BCR	C29-C28-C27	-2.04	106.79	111.28
16	H	852	BCR	C37-C22-C23	2.04	121.20	118.09
14	b	823	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
16	L	209	BCR	C7-C8-C9	-2.04	123.22	126.23
16	B	848	BCR	C31-C1-C6	-2.04	107.04	110.24
14	a	816	CLA	CHB-C4A-NA	2.04	127.34	124.40
14	H	840	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	B	838	CLA	CHA-C1A-NA	-2.04	121.77	126.39
14	b	807	CLA	C4-C3-C5	2.04	118.77	115.23
14	A	823	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	b	804	CLA	C11-C12-C13	-2.04	109.19	115.97
17	A	850	LHG	O7-C7-O9	-2.04	118.94	123.70
13	A	801	CL0	CMB-C2B-C3B	2.04	131.34	126.55
14	G	829	CLA	CHB-C1B-C2B	-2.04	121.51	127.43
14	a	809	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	M	1601	CLA	CAC-C3C-C4C	2.04	127.44	124.79
14	A	805	CLA	CHA-C1A-NA	-2.04	121.78	126.39
14	G	827	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
14	B	805	CLA	O1D-CGD-CBD	-2.04	120.50	124.52
14	H	810	CLA	C6-C5-C3	-2.04	108.51	113.47
14	b	830	CLA	CHA-C1A-NA	-2.04	121.78	126.39
14	H	803	CLA	C4D-C3D-CAD	2.04	110.32	108.11
14	H	818	CLA	C1-O2A-CGA	2.04	121.58	116.65
14	A	838	CLA	CHC-C1C-C2C	-2.04	121.16	126.95
14	b	802	CLA	CMA-C3A-C4A	2.04	117.24	111.77
13	a	801	CL0	CAC-C3C-C4C	2.04	127.44	124.79
14	Q	202	CLA	CHA-C1A-NA	-2.04	121.78	126.39
14	H	835	CLA	CAA-C2A-C3A	-2.04	107.50	113.00
14	L	201	CLA	CMA-C3A-C2A	2.04	121.85	113.98
14	H	806	CLA	C1-O2A-CGA	2.03	121.58	116.65
14	A	832	CLA	CAC-C3C-C4C	2.03	127.44	124.79
14	U	206	CLA	CMB-C2B-C1B	2.03	128.52	125.42
14	H	811	CLA	CHC-C1C-C2C	-2.03	121.17	126.95
14	A	826	CLA	CHA-C4D-ND	2.03	136.75	132.55
14	a	838	CLA	CHB-C1B-C2B	-2.03	121.52	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	837	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
16	j	1304	BCR	C2-C1-C6	2.03	113.39	110.44
14	B	840	CLA	CHA-C1A-NA	-2.03	121.79	126.39
14	F	201	CLA	CHA-C1A-NA	-2.03	121.79	126.39
14	W	1701	CLA	CMD-C2D-C3D	-2.03	123.03	127.69
16	B	848	BCR	C23-C22-C21	2.03	122.21	119.01
14	A	817	CLA	CAA-C2A-C3A	-2.03	107.50	113.00
14	a	823	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
14	G	831	CLA	CHC-C1C-C2C	-2.03	121.17	126.95
14	A	811	CLA	CHA-C1A-NA	-2.03	121.79	126.39
14	b	836	CLA	CHA-C1A-NA	-2.03	121.79	126.39
14	H	817	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
16	G	848	BCR	C7-C6-C5	-2.03	116.87	121.56
14	A	836	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
16	U	203	BCR	C7-C8-C9	-2.03	123.23	126.23
14	G	807	CLA	C4-C3-C5	2.03	118.75	115.23
14	A	818	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
14	b	822	CLA	CMA-C3A-C4A	2.03	117.23	111.77
16	V	1602	BCR	C35-C13-C12	2.03	121.19	118.09
14	H	812	CLA	CHA-C1A-NA	-2.03	121.80	126.39
16	G	845	BCR	C33-C5-C6	-2.03	122.27	124.48
14	b	829	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
14	b	808	CLA	CMD-C2D-C3D	-2.03	123.04	127.69
17	a	850	LHG	O7-C7-O9	-2.03	118.96	123.70
14	B	802	CLA	O2D-CGD-O1D	-2.03	119.90	123.85
14	B	821	CLA	C1-O2A-CGA	2.03	121.56	116.65
16	H	850	BCR	C33-C5-C6	-2.03	122.27	124.48
14	b	804	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
14	b	816	CLA	CHA-C1A-NA	-2.03	121.80	126.39
14	G	816	CLA	CAC-C3C-C4C	2.03	127.43	124.79
14	a	815	CLA	CAC-C3C-C4C	2.03	127.43	124.79
14	H	801	CLA	OBD-CAD-C3D	-2.03	123.68	128.42
14	A	816	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
14	G	826	CLA	CMC-C2C-C1C	2.03	128.20	125.03
14	A	821	CLA	CHC-C1C-C2C	-2.03	121.19	126.95
17	G	849	LHG	O7-C7-O9	-2.03	118.97	123.70
14	R	101	CLA	CMA-C3A-C2A	2.03	121.82	113.98
14	H	814	CLA	CMA-C3A-C4A	2.03	117.22	111.77
14	G	805	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
14	b	821	CLA	C1-O2A-CGA	2.03	121.56	116.65
14	a	809	CLA	CED-O2D-CGD	2.03	120.51	115.92
14	B	827	CLA	CMD-C2D-C3D	-2.03	123.04	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	803	CLA	CAA-CBA-CGA	-2.03	107.46	113.21
14	a	819	CLA	CHB-C4A-NA	2.03	127.32	124.40
14	b	829	CLA	C3D-C4D-ND	2.03	113.28	109.99
14	a	828	CLA	CAC-C3C-C4C	2.03	127.42	124.79
14	a	802	CLA	CMB-C2B-C1B	2.03	128.50	125.42
14	A	820	CLA	CHB-C1B-C2B	-2.03	121.55	127.43
14	L	205	CLA	CMB-C2B-C1B	2.02	128.50	125.42
14	H	831	CLA	CHA-C4D-ND	2.02	136.73	132.55
14	A	824	CLA	CHB-C1B-C2B	-2.02	121.55	127.43
14	G	809	CLA	CHC-C1C-C2C	-2.02	121.19	126.95
14	B	811	CLA	C3C-C4C-NC	2.02	113.02	110.43
14	G	825	CLA	CHB-C1B-C2B	-2.02	121.55	127.43
14	H	842	CLA	C6-C5-C3	-2.02	108.54	113.47
16	j	1305	BCR	C29-C30-C25	2.02	113.38	110.44
14	b	810	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	b	810	CLA	CAC-C3C-C4C	2.02	127.42	124.79
14	A	814	CLA	CBB-CAB-C3B	-2.02	117.42	127.53
14	B	828	CLA	CMB-C2B-C3B	2.02	131.31	126.55
16	b	848	BCR	C2-C1-C6	2.02	113.38	110.44
14	S	102	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	A	833	CLA	C1-C2-C3	-2.02	123.49	126.76
14	j	1302	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	B	839	CLA	C1-C2-C3	-2.02	122.89	126.20
14	a	828	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	b	803	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
14	H	818	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	R	101	CLA	CAC-C3C-C4C	2.02	127.42	124.79
14	A	804	CLA	CHB-C4A-NA	2.02	127.32	124.40
14	a	825	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
14	a	829	CLA	C4-C3-C5	2.02	118.73	115.23
14	G	825	CLA	CMB-C2B-C1B	2.02	128.50	125.42
14	A	809	CLA	CHB-C4A-NA	2.02	127.31	124.40
14	G	803	CLA	CMA-C3A-C2A	2.02	121.79	113.98
16	L	209	BCR	C31-C1-C6	-2.02	107.08	110.24
14	A	807	CLA	C4-C3-C5	2.02	118.73	115.23
14	a	802	CLA	CGD-CBD-CAD	-2.02	104.31	110.85
14	H	839	CLA	C1-C2-C3	-2.02	122.89	126.20
16	b	848	BCR	C37-C22-C21	-2.02	119.55	122.82
14	B	830	CLA	CHA-C4D-ND	2.02	136.71	132.55
16	H	849	BCR	C4-C5-C6	-2.02	119.98	122.70
14	H	821	CLA	C1-C2-C3	-2.02	122.89	126.20
14	G	825	CLA	O1D-CGD-CBD	-2.02	120.54	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	816	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
14	H	829	CLA	C4-C3-C5	2.02	118.73	115.23
16	R	102	BCR	C33-C5-C6	-2.02	122.28	124.48
14	H	806	CLA	CHB-C4A-NA	2.02	127.31	124.40
14	k	102	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
16	V	1602	BCR	C31-C1-C6	-2.02	107.08	110.24
14	G	836	CLA	CMB-C2B-C1B	2.02	128.49	125.42
14	H	807	CLA	C1-O2A-CGA	2.02	121.53	116.65
14	A	829	CLA	C4B-CHC-C1C	2.02	130.99	126.25
14	U	201	CLA	CGD-CBD-CAD	-2.02	104.31	110.85
14	A	828	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
14	j	1303	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
14	b	805	CLA	CHA-C1A-NA	-2.02	121.82	126.39
16	H	846	BCR	C39-C30-C25	-2.02	107.08	110.24
14	b	833	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
14	H	804	CLA	CHB-C4A-NA	2.02	127.31	124.40
14	B	803	CLA	O1D-CGD-CBD	-2.02	120.54	124.52
16	a	849	BCR	C7-C6-C5	-2.02	116.91	121.56
14	A	803	CLA	CHA-C1A-NA	-2.02	121.83	126.39
16	a	845	BCR	C33-C5-C6	-2.02	122.28	124.48
14	H	817	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
14	H	838	CLA	CHA-C1A-NA	-2.02	121.83	126.39
14	T	102	CLA	CHC-C1C-C2C	-2.01	121.22	126.95
14	b	811	CLA	CMB-C2B-C1B	2.01	128.49	125.42
14	a	818	CLA	C1-C2-C3	-2.01	122.90	126.20
14	l	203	CLA	CMD-C2D-C3D	-2.01	123.07	127.69
14	A	810	CLA	CBC-CAC-C3C	-2.01	106.96	112.42
14	H	811	CLA	C3C-C4C-NC	2.01	113.01	110.43
14	b	823	CLA	CHB-C4A-NA	2.01	127.31	124.40
16	U	203	BCR	C31-C1-C6	-2.01	107.08	110.24
14	A	827	CLA	CHA-C1A-NA	-2.01	121.83	126.39
14	l	205	CLA	C1-C2-C3	-2.01	122.90	126.20
14	A	818	CLA	C4-C3-C5	2.01	118.72	115.23
14	l	204	CLA	O1D-CGD-CBD	-2.01	120.55	124.52
14	V	1601	CLA	CAC-C3C-C4C	2.01	127.41	124.79
16	V	1602	BCR	C34-C9-C10	-2.01	119.56	122.82
14	a	822	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	A	841	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	G	822	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	B	801	CLA	CHA-C4D-ND	2.01	136.70	132.55
14	l	203	CLA	O1D-CGD-CBD	-2.01	120.55	124.52
14	b	804	CLA	CHB-C4A-NA	2.01	127.30	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	809	CLA	CMB-C2B-C1B	2.01	128.48	125.42
14	A	819	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	b	809	CLA	C4-C3-C5	2.01	118.72	115.23
14	a	829	CLA	C1-C2-C3	-2.01	122.90	126.20
14	b	818	CLA	C1-C2-C3	-2.01	122.90	126.20
14	G	816	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	F	201	CLA	C4-C3-C5	2.01	118.72	115.23
14	V	1601	CLA	CBA-CAA-C2A	2.01	119.77	113.79
14	X	1701	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
16	l	202	BCR	C31-C1-C6	-2.01	107.09	110.24
14	A	827	CLA	OBD-CAD-C3D	-2.01	123.72	128.42
14	V	1601	CLA	CHA-C4D-ND	2.01	136.69	132.55
14	B	806	CLA	C6-C5-C3	-2.01	108.57	113.47
14	H	829	CLA	CMB-C2B-C3B	2.01	131.28	126.55
14	G	807	CLA	CAA-C2A-C3A	-2.01	107.57	113.00
14	A	835	CLA	CHC-C1C-C2C	-2.01	121.24	126.95
14	A	821	CLA	CHA-C1A-NA	-2.01	121.84	126.39
14	B	819	CLA	OBD-CAD-C3D	-2.01	123.72	128.42
14	H	819	CLA	OBD-CAD-C3D	-2.01	123.72	128.42
14	A	821	CLA	CAC-C3C-C4C	2.01	127.40	124.79
14	A	825	CLA	CMB-C2B-C3B	2.01	131.27	126.55
14	a	853	CLA	C6-C5-C3	-2.01	108.58	113.47
14	a	814	CLA	CMB-C2B-C1B	2.01	128.47	125.42
14	b	824	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
14	B	837	CLA	O1D-CGD-CBD	-2.01	120.56	124.52
14	H	806	CLA	CHA-C4D-ND	2.01	136.69	132.55
14	G	826	CLA	C6-C5-C3	-2.01	108.58	113.47
14	A	824	CLA	CMA-C3A-C2A	2.01	121.74	113.98
16	a	846	BCR	C35-C13-C12	2.01	121.15	118.09
14	G	823	CLA	CMB-C2B-C1B	2.01	128.47	125.42
14	a	840	CLA	C1-C2-C3	-2.01	122.91	126.20
14	G	836	CLA	CHA-C1A-NA	-2.01	121.85	126.39
16	V	1602	BCR	C39-C30-C25	-2.01	107.10	110.24
14	b	811	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
14	G	811	CLA	CHC-C1C-C2C	-2.01	121.25	126.95
14	A	806	CLA	C5-C3-C4	2.01	119.20	114.59
14	A	831	CLA	O1D-CGD-CBD	-2.01	120.56	124.52
14	B	809	CLA	CHB-C4A-NA	2.01	127.29	124.40
14	A	829	CLA	C1-O2A-CGA	2.01	121.50	116.65
14	a	811	CLA	CHC-C1C-C2C	-2.00	121.25	126.95
14	H	833	CLA	CHA-C1A-NA	-2.00	121.85	126.39
14	A	827	CLA	CED-O2D-CGD	2.00	120.46	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	827	CLA	CHB-C4A-NA	2.00	127.29	124.40
14	B	804	CLA	CHB-C4A-NA	2.00	127.29	124.40
14	b	804	CLA	CHA-C4D-ND	2.00	136.69	132.55
14	a	819	CLA	CHC-C1C-C2C	-2.00	121.25	126.95
14	G	818	CLA	O1D-CGD-CBD	-2.00	120.57	124.52
14	b	817	CLA	O1D-CGD-CBD	-2.00	120.57	124.52
14	B	827	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	x	1701	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	J	1303	CLA	CHC-C1C-C2C	-2.00	121.26	126.95
14	G	851	CLA	C1D-CHD-C4C	-2.00	121.76	126.02
16	a	849	BCR	C12-C13-C14	-2.00	115.86	119.01
14	B	840	CLA	CHC-C1C-C2C	-2.00	121.26	126.95
14	b	821	CLA	CMB-C2B-C1B	2.00	128.47	125.42
14	A	816	CLA	CHB-C4A-NA	2.00	127.29	124.40
14	a	812	CLA	CHB-C4A-NA	2.00	127.29	124.40
16	B	852	BCR	C38-C26-C27	2.00	117.86	113.60
14	H	831	CLA	CHB-C1B-C2B	-2.00	121.62	127.43
14	b	817	CLA	CHB-C1B-C2B	-2.00	121.62	127.43
16	L	207	BCR	C28-C27-C26	-2.00	110.49	114.06
14	H	822	CLA	O1D-CGD-CBD	-2.00	120.57	124.52
14	G	809	CLA	O2D-CGD-O1D	-2.00	119.95	123.85
14	H	814	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	m	1202	CLA	CHA-C4D-ND	2.00	136.68	132.55
14	H	842	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	b	824	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	B	812	CLA	C6-C5-C3	-2.00	108.59	113.47
14	B	805	CLA	CHA-C4D-ND	2.00	136.68	132.55
14	a	842	CLA	C4C-C3C-C2C	-2.00	103.98	106.89
14	U	201	CLA	CAC-C3C-C4C	2.00	127.39	124.79
14	B	812	CLA	C4B-C3B-C2B	-2.00	104.81	107.30

There are no chirality outliers.

All (4046) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A	802	CLA	C2-C1-O2A-CGA
14	A	802	CLA	CHA-CBD-CGD-O1D
14	A	802	CLA	CHA-CBD-CGD-O2D
14	A	803	CLA	CHA-CBD-CGD-O1D
14	A	803	CLA	CHA-CBD-CGD-O2D
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	806	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	A	807	CLA	C3A-C2A-CAA-CBA
14	A	807	CLA	CHA-CBD-CGD-O1D
14	A	807	CLA	CHA-CBD-CGD-O2D
14	A	809	CLA	C1A-C2A-CAA-CBA
14	A	809	CLA	C3A-C2A-CAA-CBA
14	A	809	CLA	CBD-CGD-O2D-CED
14	A	811	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	C1A-C2A-CAA-CBA
14	A	812	CLA	C3A-C2A-CAA-CBA
14	A	812	CLA	C4B-C3B-CAB-CBB
14	A	814	CLA	CHA-CBD-CGD-O1D
14	A	814	CLA	CHA-CBD-CGD-O2D
14	A	817	CLA	C3A-C2A-CAA-CBA
14	A	817	CLA	C2B-C3B-CAB-CBB
14	A	817	CLA	C4B-C3B-CAB-CBB
14	A	817	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	C1A-C2A-CAA-CBA
14	A	818	CLA	C3A-C2A-CAA-CBA
14	A	818	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	C1A-C2A-CAA-CBA
14	A	819	CLA	C3A-C2A-CAA-CBA
14	A	820	CLA	CBD-CGD-O2D-CED
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C3A-C2A-CAA-CBA
14	A	821	CLA	CHA-CBD-CGD-O1D
14	A	821	CLA	CHA-CBD-CGD-O2D
14	A	822	CLA	C2B-C3B-CAB-CBB
14	A	822	CLA	C4B-C3B-CAB-CBB
14	A	822	CLA	C2-C3-C5-C6
14	A	822	CLA	C4-C3-C5-C6
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	824	CLA	C2-C1-O2A-CGA
14	A	829	CLA	CHA-CBD-CGD-O1D
14	A	829	CLA	CHA-CBD-CGD-O2D
14	A	830	CLA	C2B-C3B-CAB-CBB
14	A	830	CLA	C4B-C3B-CAB-CBB
14	A	831	CLA	C4B-C3B-CAB-CBB
14	A	831	CLA	CBD-CGD-O2D-CED
14	A	832	CLA	C2B-C3B-CAB-CBB
14	A	832	CLA	C4B-C3B-CAB-CBB
14	A	832	CLA	CHA-CBD-CGD-O1D
14	A	832	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	A	834	CLA	C2B-C3B-CAB-CBB
14	A	834	CLA	C4B-C3B-CAB-CBB
14	A	835	CLA	CBD-CGD-O2D-CED
14	A	840	CLA	C2B-C3B-CAB-CBB
14	A	840	CLA	C4B-C3B-CAB-CBB
14	A	841	CLA	C2B-C3B-CAB-CBB
14	A	841	CLA	C4B-C3B-CAB-CBB
14	A	842	CLA	CBA-CGA-O2A-C1
14	A	842	CLA	CAD-CBD-CGD-O2D
14	A	852	CLA	CAD-CBD-CGD-O2D
14	G	802	CLA	C2-C1-O2A-CGA
14	G	802	CLA	CHA-CBD-CGD-O1D
14	G	802	CLA	CHA-CBD-CGD-O2D
14	G	803	CLA	CHA-CBD-CGD-O2D
14	G	805	CLA	C1A-C2A-CAA-CBA
14	G	806	CLA	C2-C1-O2A-CGA
14	G	807	CLA	C3A-C2A-CAA-CBA
14	G	807	CLA	CHA-CBD-CGD-O1D
14	G	807	CLA	CHA-CBD-CGD-O2D
14	G	809	CLA	C1A-C2A-CAA-CBA
14	G	809	CLA	C3A-C2A-CAA-CBA
14	G	809	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	CBD-CGD-O2D-CED
14	G	812	CLA	C1A-C2A-CAA-CBA
14	G	812	CLA	C3A-C2A-CAA-CBA
14	G	812	CLA	C2B-C3B-CAB-CBB
14	G	812	CLA	C4B-C3B-CAB-CBB
14	G	812	CLA	CBD-CGD-O2D-CED
14	G	814	CLA	CHA-CBD-CGD-O1D
14	G	814	CLA	CHA-CBD-CGD-O2D
14	G	816	CLA	C2B-C3B-CAB-CBB
14	G	816	CLA	C4B-C3B-CAB-CBB
14	G	817	CLA	C3A-C2A-CAA-CBA
14	G	817	CLA	C2B-C3B-CAB-CBB
14	G	817	CLA	C4B-C3B-CAB-CBB
14	G	818	CLA	C1A-C2A-CAA-CBA
14	G	818	CLA	C3A-C2A-CAA-CBA
14	G	818	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	C1A-C2A-CAA-CBA
14	G	819	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C1A-C2A-CAA-CBA
14	G	821	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	G	821	CLA	CHA-CBD-CGD-O1D
14	G	821	CLA	CHA-CBD-CGD-O2D
14	G	822	CLA	C2B-C3B-CAB-CBB
14	G	822	CLA	C4B-C3B-CAB-CBB
14	G	822	CLA	C2-C3-C5-C6
14	G	822	CLA	C4-C3-C5-C6
14	G	823	CLA	CBD-CGD-O2D-CED
14	G	824	CLA	C2-C1-O2A-CGA
14	G	825	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	CHA-CBD-CGD-O1D
14	G	829	CLA	CHA-CBD-CGD-O2D
14	G	830	CLA	C2B-C3B-CAB-CBB
14	G	830	CLA	C4B-C3B-CAB-CBB
14	G	831	CLA	C2B-C3B-CAB-CBB
14	G	831	CLA	C4B-C3B-CAB-CBB
14	G	832	CLA	C2B-C3B-CAB-CBB
14	G	832	CLA	C4B-C3B-CAB-CBB
14	G	832	CLA	CHA-CBD-CGD-O1D
14	G	832	CLA	CHA-CBD-CGD-O2D
14	G	834	CLA	C2B-C3B-CAB-CBB
14	G	834	CLA	C4B-C3B-CAB-CBB
14	G	836	CLA	CBD-CGD-O2D-CED
14	G	840	CLA	C2B-C3B-CAB-CBB
14	G	840	CLA	C4B-C3B-CAB-CBB
14	G	840	CLA	CBD-CGD-O2D-CED
14	G	841	CLA	CBA-CGA-O2A-C1
14	G	841	CLA	CAD-CBD-CGD-O1D
14	G	841	CLA	CAD-CBD-CGD-O2D
14	G	851	CLA	CBD-CGD-O2D-CED
14	a	802	CLA	C2-C1-O2A-CGA
14	a	802	CLA	CHA-CBD-CGD-O1D
14	a	802	CLA	CHA-CBD-CGD-O2D
14	a	803	CLA	CHA-CBD-CGD-O1D
14	a	803	CLA	CHA-CBD-CGD-O2D
14	a	804	CLA	C2-C1-O2A-CGA
14	a	805	CLA	C1A-C2A-CAA-CBA
14	a	806	CLA	C2-C1-O2A-CGA
14	a	807	CLA	C3A-C2A-CAA-CBA
14	a	807	CLA	CHA-CBD-CGD-O1D
14	a	807	CLA	CHA-CBD-CGD-O2D
14	a	809	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	a	809	CLA	C3A-C2A-CAA-CBA
14	a	809	CLA	CBD-CGD-O2D-CED
14	a	811	CLA	CBD-CGD-O2D-CED
14	a	812	CLA	C1A-C2A-CAA-CBA
14	a	812	CLA	C3A-C2A-CAA-CBA
14	a	812	CLA	C4B-C3B-CAB-CBB
14	a	812	CLA	CBD-CGD-O2D-CED
14	a	814	CLA	CHA-CBD-CGD-O1D
14	a	814	CLA	CHA-CBD-CGD-O2D
14	a	816	CLA	C2B-C3B-CAB-CBB
14	a	816	CLA	C4B-C3B-CAB-CBB
14	a	817	CLA	C3A-C2A-CAA-CBA
14	a	817	CLA	C4B-C3B-CAB-CBB
14	a	817	CLA	CBD-CGD-O2D-CED
14	a	818	CLA	C1A-C2A-CAA-CBA
14	a	818	CLA	C3A-C2A-CAA-CBA
14	a	818	CLA	CBD-CGD-O2D-CED
14	a	819	CLA	C1A-C2A-CAA-CBA
14	a	819	CLA	C3A-C2A-CAA-CBA
14	a	820	CLA	CBD-CGD-O2D-CED
14	a	821	CLA	C1A-C2A-CAA-CBA
14	a	821	CLA	C3A-C2A-CAA-CBA
14	a	821	CLA	CHA-CBD-CGD-O1D
14	a	821	CLA	CHA-CBD-CGD-O2D
14	a	822	CLA	C2B-C3B-CAB-CBB
14	a	822	CLA	C4B-C3B-CAB-CBB
14	a	822	CLA	C2-C3-C5-C6
14	a	822	CLA	C4-C3-C5-C6
14	a	823	CLA	CBD-CGD-O2D-CED
14	a	824	CLA	C2-C1-O2A-CGA
14	a	828	CLA	CBD-CGD-O2D-CED
14	a	829	CLA	CHA-CBD-CGD-O1D
14	a	829	CLA	CHA-CBD-CGD-O2D
14	a	830	CLA	C2B-C3B-CAB-CBB
14	a	830	CLA	C4B-C3B-CAB-CBB
14	a	831	CLA	C2B-C3B-CAB-CBB
14	a	831	CLA	C4B-C3B-CAB-CBB
14	a	831	CLA	CBD-CGD-O2D-CED
14	a	832	CLA	C2B-C3B-CAB-CBB
14	a	832	CLA	C4B-C3B-CAB-CBB
14	a	832	CLA	CHA-CBD-CGD-O1D
14	a	832	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	a	834	CLA	C2B-C3B-CAB-CBB
14	a	834	CLA	C4B-C3B-CAB-CBB
14	a	841	CLA	C2B-C3B-CAB-CBB
14	a	841	CLA	C4B-C3B-CAB-CBB
14	a	842	CLA	CBA-CGA-O2A-C1
14	a	842	CLA	CAD-CBD-CGD-O1D
14	a	842	CLA	CAD-CBD-CGD-O2D
14	a	853	CLA	CBD-CGD-O2D-CED
14	B	801	CLA	CBA-CGA-O2A-C1
14	B	801	CLA	O1A-CGA-O2A-C1
14	B	802	CLA	C4B-C3B-CAB-CBB
14	B	803	CLA	C2-C3-C5-C6
14	B	803	CLA	C4-C3-C5-C6
14	B	806	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CHA-CBD-CGD-O1D
14	B	807	CLA	CHA-CBD-CGD-O2D
14	B	808	CLA	C2-C1-O2A-CGA
14	B	808	CLA	CAD-CBD-CGD-O1D
14	B	808	CLA	CAD-CBD-CGD-O2D
14	B	809	CLA	C2-C1-O2A-CGA
14	B	810	CLA	C2B-C3B-CAB-CBB
14	B	810	CLA	C4B-C3B-CAB-CBB
14	B	811	CLA	C2B-C3B-CAB-CBB
14	B	811	CLA	C4B-C3B-CAB-CBB
14	B	811	CLA	CHA-CBD-CGD-O1D
14	B	811	CLA	CHA-CBD-CGD-O2D
14	B	812	CLA	CBD-CGD-O2D-CED
14	B	813	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	C2B-C3B-CAB-CBB
14	B	814	CLA	C4B-C3B-CAB-CBB
14	B	815	CLA	C1A-C2A-CAA-CBA
14	B	815	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	C2B-C3B-CAB-CBB
14	B	817	CLA	C4B-C3B-CAB-CBB
14	B	817	CLA	CHA-CBD-CGD-O1D
14	B	817	CLA	CHA-CBD-CGD-O2D
14	B	818	CLA	CBD-CGD-O2D-CED
14	B	819	CLA	C4B-C3B-CAB-CBB
14	B	819	CLA	CBD-CGD-O2D-CED
14	B	820	CLA	C1A-C2A-CAA-CBA
14	B	820	CLA	C3A-C2A-CAA-CBA
14	B	820	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	821	CLA	CBD-CGD-O2D-CED
14	B	822	CLA	C1A-C2A-CAA-CBA
14	B	822	CLA	C3A-C2A-CAA-CBA
14	B	822	CLA	C2B-C3B-CAB-CBB
14	B	822	CLA	C4B-C3B-CAB-CBB
14	B	823	CLA	CHA-CBD-CGD-O1D
14	B	823	CLA	CHA-CBD-CGD-O2D
14	B	826	CLA	C2B-C3B-CAB-CBB
14	B	826	CLA	C4B-C3B-CAB-CBB
14	B	827	CLA	CHA-CBD-CGD-O1D
14	B	827	CLA	CHA-CBD-CGD-O2D
14	B	828	CLA	C1A-C2A-CAA-CBA
14	B	830	CLA	C1A-C2A-CAA-CBA
14	B	830	CLA	C3A-C2A-CAA-CBA
14	B	831	CLA	CHA-CBD-CGD-O1D
14	B	831	CLA	CHA-CBD-CGD-O2D
14	B	832	CLA	C3A-C2A-CAA-CBA
14	B	832	CLA	C2B-C3B-CAB-CBB
14	B	832	CLA	C4B-C3B-CAB-CBB
14	B	834	CLA	C1A-C2A-CAA-CBA
14	B	834	CLA	CHA-CBD-CGD-O1D
14	B	834	CLA	CHA-CBD-CGD-O2D
14	B	834	CLA	C4-C3-C5-C6
14	B	835	CLA	C4B-C3B-CAB-CBB
14	B	836	CLA	C2B-C3B-CAB-CBB
14	B	836	CLA	C4B-C3B-CAB-CBB
14	B	837	CLA	C2B-C3B-CAB-CBB
14	B	837	CLA	C4B-C3B-CAB-CBB
14	B	837	CLA	CBD-CGD-O2D-CED
14	B	838	CLA	C1A-C2A-CAA-CBA
14	B	838	CLA	C3A-C2A-CAA-CBA
14	B	838	CLA	C4B-C3B-CAB-CBB
14	B	838	CLA	CBD-CGD-O2D-CED
14	B	840	CLA	CBD-CGD-O2D-CED
14	B	841	CLA	C2B-C3B-CAB-CBB
14	B	841	CLA	C4B-C3B-CAB-CBB
14	B	842	CLA	C1A-C2A-CAA-CBA
14	B	842	CLA	C3A-C2A-CAA-CBA
14	B	842	CLA	C2B-C3B-CAB-CBB
14	B	842	CLA	C4B-C3B-CAB-CBB
14	B	842	CLA	CBD-CGD-O2D-CED
14	H	801	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	H	801	CLA	O1A-CGA-O2A-C1
14	H	802	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	C2-C3-C5-C6
14	H	805	CLA	CAD-CBD-CGD-O2D
14	H	807	CLA	CHA-CBD-CGD-O1D
14	H	807	CLA	CHA-CBD-CGD-O2D
14	H	808	CLA	C2-C1-O2A-CGA
14	H	808	CLA	CAD-CBD-CGD-O1D
14	H	808	CLA	CAD-CBD-CGD-O2D
14	H	809	CLA	C2-C1-O2A-CGA
14	H	810	CLA	C2B-C3B-CAB-CBB
14	H	810	CLA	C4B-C3B-CAB-CBB
14	H	811	CLA	C2B-C3B-CAB-CBB
14	H	811	CLA	C4B-C3B-CAB-CBB
14	H	811	CLA	CHA-CBD-CGD-O1D
14	H	811	CLA	CHA-CBD-CGD-O2D
14	H	812	CLA	CBD-CGD-O2D-CED
14	H	813	CLA	C4B-C3B-CAB-CBB
14	H	814	CLA	C2B-C3B-CAB-CBB
14	H	814	CLA	C4B-C3B-CAB-CBB
14	H	815	CLA	C1A-C2A-CAA-CBA
14	H	815	CLA	CBD-CGD-O2D-CED
14	H	817	CLA	C2B-C3B-CAB-CBB
14	H	817	CLA	C4B-C3B-CAB-CBB
14	H	817	CLA	CHA-CBD-CGD-O1D
14	H	817	CLA	CHA-CBD-CGD-O2D
14	H	818	CLA	CBD-CGD-O2D-CED
14	H	819	CLA	CBD-CGD-O2D-CED
14	H	820	CLA	C1A-C2A-CAA-CBA
14	H	820	CLA	C3A-C2A-CAA-CBA
14	H	820	CLA	CBD-CGD-O2D-CED
14	H	821	CLA	C2B-C3B-CAB-CBB
14	H	821	CLA	C4B-C3B-CAB-CBB
14	H	821	CLA	CBD-CGD-O2D-CED
14	H	822	CLA	C1A-C2A-CAA-CBA
14	H	822	CLA	C3A-C2A-CAA-CBA
14	H	822	CLA	C2B-C3B-CAB-CBB
14	H	822	CLA	C4B-C3B-CAB-CBB
14	H	823	CLA	CHA-CBD-CGD-O1D
14	H	823	CLA	CHA-CBD-CGD-O2D
14	H	827	CLA	CHA-CBD-CGD-O1D
14	H	827	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	H	828	CLA	C1A-C2A-CAA-CBA
14	H	830	CLA	C1A-C2A-CAA-CBA
14	H	830	CLA	C3A-C2A-CAA-CBA
14	H	830	CLA	CBD-CGD-O2D-CED
14	H	831	CLA	CHA-CBD-CGD-O1D
14	H	831	CLA	CHA-CBD-CGD-O2D
14	H	832	CLA	C3A-C2A-CAA-CBA
14	H	832	CLA	C2B-C3B-CAB-CBB
14	H	832	CLA	C4B-C3B-CAB-CBB
14	H	834	CLA	C1A-C2A-CAA-CBA
14	H	834	CLA	CHA-CBD-CGD-O1D
14	H	834	CLA	CHA-CBD-CGD-O2D
14	H	835	CLA	C4B-C3B-CAB-CBB
14	H	836	CLA	C2B-C3B-CAB-CBB
14	H	836	CLA	C4B-C3B-CAB-CBB
14	H	837	CLA	C2B-C3B-CAB-CBB
14	H	837	CLA	C4B-C3B-CAB-CBB
14	H	837	CLA	CBD-CGD-O2D-CED
14	H	838	CLA	C1A-C2A-CAA-CBA
14	H	838	CLA	C3A-C2A-CAA-CBA
14	H	838	CLA	C2B-C3B-CAB-CBB
14	H	838	CLA	C4B-C3B-CAB-CBB
14	H	838	CLA	CBD-CGD-O2D-CED
14	H	839	CLA	CBD-CGD-O2D-CED
14	H	840	CLA	CBD-CGD-O2D-CED
14	H	841	CLA	C2B-C3B-CAB-CBB
14	H	841	CLA	C4B-C3B-CAB-CBB
14	H	842	CLA	C1A-C2A-CAA-CBA
14	H	842	CLA	C3A-C2A-CAA-CBA
14	H	842	CLA	C2B-C3B-CAB-CBB
14	H	842	CLA	C4B-C3B-CAB-CBB
14	H	842	CLA	CBD-CGD-O2D-CED
14	b	801	CLA	CBA-CGA-O2A-C1
14	b	801	CLA	O1A-CGA-O2A-C1
14	b	803	CLA	C2-C3-C5-C6
14	b	805	CLA	C2-C1-O2A-CGA
14	b	805	CLA	CAD-CBD-CGD-O1D
14	b	805	CLA	CAD-CBD-CGD-O2D
14	b	806	CLA	C2-C1-O2A-CGA
14	b	807	CLA	C2B-C3B-CAB-CBB
14	b	807	CLA	C4B-C3B-CAB-CBB
14	b	808	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	b	808	CLA	C4B-C3B-CAB-CBB
14	b	808	CLA	CHA-CBD-CGD-O1D
14	b	808	CLA	CHA-CBD-CGD-O2D
14	b	810	CLA	C4B-C3B-CAB-CBB
14	b	811	CLA	C2B-C3B-CAB-CBB
14	b	811	CLA	C4B-C3B-CAB-CBB
14	b	812	CLA	C1A-C2A-CAA-CBA
14	b	812	CLA	CBD-CGD-O2D-CED
14	b	814	CLA	C2B-C3B-CAB-CBB
14	b	814	CLA	C4B-C3B-CAB-CBB
14	b	814	CLA	CHA-CBD-CGD-O1D
14	b	814	CLA	CHA-CBD-CGD-O2D
14	b	815	CLA	CBD-CGD-O2D-CED
14	b	816	CLA	CBD-CGD-O2D-CED
14	b	817	CLA	C1A-C2A-CAA-CBA
14	b	817	CLA	C3A-C2A-CAA-CBA
14	b	817	CLA	CBD-CGD-O2D-CED
14	b	818	CLA	CBD-CGD-O2D-CED
14	b	819	CLA	C1A-C2A-CAA-CBA
14	b	819	CLA	C3A-C2A-CAA-CBA
14	b	819	CLA	C2B-C3B-CAB-CBB
14	b	819	CLA	C4B-C3B-CAB-CBB
14	b	820	CLA	CHA-CBD-CGD-O1D
14	b	820	CLA	CHA-CBD-CGD-O2D
14	b	824	CLA	CHA-CBD-CGD-O1D
14	b	824	CLA	CHA-CBD-CGD-O2D
14	b	825	CLA	C1A-C2A-CAA-CBA
14	b	827	CLA	C1A-C2A-CAA-CBA
14	b	827	CLA	C3A-C2A-CAA-CBA
14	b	828	CLA	CHA-CBD-CGD-O1D
14	b	828	CLA	CHA-CBD-CGD-O2D
14	b	829	CLA	C3A-C2A-CAA-CBA
14	b	829	CLA	C2B-C3B-CAB-CBB
14	b	829	CLA	C4B-C3B-CAB-CBB
14	b	831	CLA	C1A-C2A-CAA-CBA
14	b	831	CLA	CBD-CGD-O2D-CED
14	b	832	CLA	CHA-CBD-CGD-O1D
14	b	832	CLA	CHA-CBD-CGD-O2D
14	b	832	CLA	C2-C3-C5-C6
14	b	832	CLA	C4-C3-C5-C6
14	b	833	CLA	C4B-C3B-CAB-CBB
14	b	834	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	b	834	CLA	C4B-C3B-CAB-CBB
14	b	835	CLA	C2B-C3B-CAB-CBB
14	b	835	CLA	C4B-C3B-CAB-CBB
14	b	835	CLA	CBD-CGD-O2D-CED
14	b	836	CLA	C1A-C2A-CAA-CBA
14	b	836	CLA	C3A-C2A-CAA-CBA
14	b	836	CLA	C2B-C3B-CAB-CBB
14	b	836	CLA	C4B-C3B-CAB-CBB
14	b	836	CLA	CBD-CGD-O2D-CED
14	b	838	CLA	CBD-CGD-O2D-CED
14	b	839	CLA	C2B-C3B-CAB-CBB
14	b	839	CLA	C4B-C3B-CAB-CBB
14	b	839	CLA	CBD-CGD-O2D-CED
14	b	840	CLA	C1A-C2A-CAA-CBA
14	b	840	CLA	C3A-C2A-CAA-CBA
14	b	840	CLA	C2B-C3B-CAB-CBB
14	b	840	CLA	C4B-C3B-CAB-CBB
14	b	840	CLA	CBD-CGD-O2D-CED
14	Q	202	CLA	C2B-C3B-CAB-CBB
14	Q	202	CLA	C4B-C3B-CAB-CBB
14	Q	202	CLA	CBD-CGD-O2D-CED
14	R	101	CLA	C4B-C3B-CAB-CBB
14	R	101	CLA	CHA-CBD-CGD-O1D
14	R	101	CLA	CHA-CBD-CGD-O2D
14	J	1301	CLA	C2B-C3B-CAB-CBB
14	J	1301	CLA	C4B-C3B-CAB-CBB
14	J	1302	CLA	CAD-CBD-CGD-O1D
14	J	1302	CLA	CAD-CBD-CGD-O2D
14	S	101	CLA	CAD-CBD-CGD-O1D
14	S	101	CLA	CAD-CBD-CGD-O2D
14	j	1301	CLA	C2B-C3B-CAB-CBB
14	j	1301	CLA	C4B-C3B-CAB-CBB
14	j	1302	CLA	CAD-CBD-CGD-O1D
14	j	1302	CLA	CAD-CBD-CGD-O2D
14	K	1401	CLA	C2B-C3B-CAB-CBB
14	K	1401	CLA	C4B-C3B-CAB-CBB
14	T	101	CLA	C2B-C3B-CAB-CBB
14	T	101	CLA	C4B-C3B-CAB-CBB
14	T	102	CLA	C2B-C3B-CAB-CBB
14	T	102	CLA	C4B-C3B-CAB-CBB
14	k	101	CLA	C2B-C3B-CAB-CBB
14	k	101	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	k	102	CLA	C2B-C3B-CAB-CBB
14	k	102	CLA	C4B-C3B-CAB-CBB
14	L	201	CLA	C4B-C3B-CAB-CBB
14	L	201	CLA	CHA-CBD-CGD-O1D
14	L	201	CLA	CHA-CBD-CGD-O2D
14	L	204	CLA	C1A-C2A-CAA-CBA
14	L	204	CLA	C3A-C2A-CAA-CBA
14	L	204	CLA	CAD-CBD-CGD-O2D
14	L	206	CLA	CBD-CGD-O2D-CED
14	U	201	CLA	C4B-C3B-CAB-CBB
14	U	201	CLA	CHA-CBD-CGD-O1D
14	U	201	CLA	CHA-CBD-CGD-O2D
14	U	205	CLA	C1A-C2A-CAA-CBA
14	U	205	CLA	C3A-C2A-CAA-CBA
14	U	205	CLA	CAD-CBD-CGD-O1D
14	U	205	CLA	CAD-CBD-CGD-O2D
14	U	207	CLA	CBD-CGD-O2D-CED
14	l	203	CLA	C1A-C2A-CAA-CBA
14	l	203	CLA	C3A-C2A-CAA-CBA
14	l	203	CLA	CAD-CBD-CGD-O2D
14	M	1601	CLA	C1A-C2A-CAA-CBA
14	M	1601	CLA	C3A-C2A-CAA-CBA
14	M	1601	CLA	C2B-C3B-CAB-CBB
14	M	1601	CLA	C4B-C3B-CAB-CBB
14	V	1601	CLA	C1A-C2A-CAA-CBA
14	V	1601	CLA	C3A-C2A-CAA-CBA
14	V	1601	CLA	C2B-C3B-CAB-CBB
14	V	1601	CLA	C4B-C3B-CAB-CBB
14	m	1201	CLA	CHA-CBD-CGD-O1D
14	m	1201	CLA	CHA-CBD-CGD-O2D
14	m	1202	CLA	C1A-C2A-CAA-CBA
14	m	1202	CLA	C3A-C2A-CAA-CBA
14	m	1202	CLA	C2B-C3B-CAB-CBB
14	m	1202	CLA	C4B-C3B-CAB-CBB
14	W	1701	CLA	C4B-C3B-CAB-CBB
14	W	1701	CLA	CBD-CGD-O2D-CED
14	X	1701	CLA	C4B-C3B-CAB-CBB
14	X	1701	CLA	CBD-CGD-O2D-CED
14	x	1701	CLA	C2B-C3B-CAB-CBB
14	x	1701	CLA	C4B-C3B-CAB-CBB
14	x	1701	CLA	CBD-CGD-O2D-CED
16	A	844	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
16	A	844	BCR	C7-C8-C9-C34
16	A	844	BCR	C11-C10-C9-C8
16	A	844	BCR	C11-C10-C9-C34
16	A	845	BCR	C7-C8-C9-C10
16	A	845	BCR	C11-C10-C9-C8
16	A	845	BCR	C11-C10-C9-C34
16	A	845	BCR	C10-C11-C12-C13
16	A	845	BCR	C23-C24-C25-C26
16	A	845	BCR	C23-C24-C25-C30
16	A	846	BCR	C11-C10-C9-C8
16	A	846	BCR	C11-C10-C9-C34
16	A	846	BCR	C10-C11-C12-C13
16	A	846	BCR	C17-C18-C19-C20
16	A	847	BCR	C11-C10-C9-C34
16	A	847	BCR	C10-C11-C12-C13
16	A	847	BCR	C23-C24-C25-C26
16	A	847	BCR	C23-C24-C25-C30
16	A	848	BCR	C11-C10-C9-C8
16	A	848	BCR	C11-C10-C9-C34
16	A	849	BCR	C17-C18-C19-C20
16	A	849	BCR	C36-C18-C19-C20
16	A	849	BCR	C23-C24-C25-C26
16	A	849	BCR	C23-C24-C25-C30
16	G	843	BCR	C7-C8-C9-C10
16	G	843	BCR	C7-C8-C9-C34
16	G	843	BCR	C11-C10-C9-C8
16	G	843	BCR	C11-C10-C9-C34
16	G	843	BCR	C10-C11-C12-C13
16	G	844	BCR	C7-C8-C9-C10
16	G	844	BCR	C11-C10-C9-C8
16	G	844	BCR	C11-C10-C9-C34
16	G	844	BCR	C10-C11-C12-C13
16	G	844	BCR	C11-C12-C13-C14
16	G	844	BCR	C23-C24-C25-C26
16	G	844	BCR	C23-C24-C25-C30
16	G	845	BCR	C11-C10-C9-C8
16	G	845	BCR	C11-C10-C9-C34
16	G	845	BCR	C10-C11-C12-C13
16	G	845	BCR	C17-C18-C19-C20
16	G	846	BCR	C10-C11-C12-C13
16	G	846	BCR	C23-C24-C25-C26
16	G	846	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
16	G	847	BCR	C11-C10-C9-C8
16	G	847	BCR	C11-C10-C9-C34
16	G	848	BCR	C17-C18-C19-C20
16	G	848	BCR	C23-C24-C25-C26
16	G	848	BCR	C23-C24-C25-C30
16	a	844	BCR	C7-C8-C9-C10
16	a	844	BCR	C7-C8-C9-C34
16	a	844	BCR	C11-C10-C9-C8
16	a	844	BCR	C11-C10-C9-C34
16	a	844	BCR	C10-C11-C12-C13
16	a	844	BCR	C19-C20-C21-C22
16	a	845	BCR	C7-C8-C9-C10
16	a	845	BCR	C11-C10-C9-C8
16	a	845	BCR	C11-C10-C9-C34
16	a	845	BCR	C10-C11-C12-C13
16	a	845	BCR	C11-C12-C13-C14
16	a	845	BCR	C23-C24-C25-C26
16	a	845	BCR	C23-C24-C25-C30
16	a	846	BCR	C11-C10-C9-C8
16	a	846	BCR	C11-C10-C9-C34
16	a	846	BCR	C17-C18-C19-C20
16	a	847	BCR	C11-C10-C9-C8
16	a	847	BCR	C11-C10-C9-C34
16	a	847	BCR	C10-C11-C12-C13
16	a	847	BCR	C23-C24-C25-C26
16	a	847	BCR	C23-C24-C25-C30
16	a	848	BCR	C11-C10-C9-C8
16	a	848	BCR	C11-C10-C9-C34
16	a	849	BCR	C17-C18-C19-C20
16	a	849	BCR	C23-C24-C25-C26
16	a	849	BCR	C23-C24-C25-C30
16	B	844	BCR	C11-C10-C9-C8
16	B	844	BCR	C11-C10-C9-C34
16	B	844	BCR	C21-C22-C23-C24
16	B	845	BCR	C11-C10-C9-C8
16	B	845	BCR	C11-C10-C9-C34
16	B	845	BCR	C21-C22-C23-C24
16	B	846	BCR	C11-C10-C9-C8
16	B	846	BCR	C11-C10-C9-C34
16	B	846	BCR	C21-C22-C23-C24
16	B	846	BCR	C37-C22-C23-C24
16	B	847	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
16	B	848	BCR	C17-C18-C19-C20
16	B	849	BCR	C11-C10-C9-C8
16	B	849	BCR	C11-C10-C9-C34
16	B	849	BCR	C10-C11-C12-C13
16	B	849	BCR	C17-C18-C19-C20
16	B	850	BCR	C11-C10-C9-C8
16	B	850	BCR	C11-C10-C9-C34
16	B	850	BCR	C10-C11-C12-C13
16	B	850	BCR	C18-C19-C20-C21
16	B	852	BCR	C7-C8-C9-C10
16	B	852	BCR	C7-C8-C9-C34
16	H	844	BCR	C11-C10-C9-C8
16	H	844	BCR	C11-C10-C9-C34
16	H	844	BCR	C21-C22-C23-C24
16	H	844	BCR	C37-C22-C23-C24
16	H	845	BCR	C11-C10-C9-C8
16	H	845	BCR	C11-C10-C9-C34
16	H	845	BCR	C21-C22-C23-C24
16	H	846	BCR	C11-C10-C9-C8
16	H	846	BCR	C11-C10-C9-C34
16	H	846	BCR	C21-C22-C23-C24
16	H	846	BCR	C37-C22-C23-C24
16	H	847	BCR	C9-C10-C11-C12
16	H	847	BCR	C10-C11-C12-C13
16	H	847	BCR	C23-C24-C25-C26
16	H	848	BCR	C17-C18-C19-C20
16	H	849	BCR	C11-C10-C9-C8
16	H	849	BCR	C11-C10-C9-C34
16	H	849	BCR	C10-C11-C12-C13
16	H	849	BCR	C17-C18-C19-C20
16	H	850	BCR	C11-C10-C9-C8
16	H	850	BCR	C11-C10-C9-C34
16	H	850	BCR	C10-C11-C12-C13
16	H	850	BCR	C18-C19-C20-C21
16	H	852	BCR	C7-C8-C9-C10
16	H	852	BCR	C7-C8-C9-C34
16	b	842	BCR	C11-C10-C9-C8
16	b	842	BCR	C11-C10-C9-C34
16	b	842	BCR	C21-C22-C23-C24
16	b	843	BCR	C11-C10-C9-C8
16	b	843	BCR	C11-C10-C9-C34
16	b	843	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
16	b	844	BCR	C11-C10-C9-C8
16	b	844	BCR	C11-C10-C9-C34
16	b	844	BCR	C21-C22-C23-C24
16	b	844	BCR	C37-C22-C23-C24
16	b	845	BCR	C19-C20-C21-C22
16	b	845	BCR	C23-C24-C25-C26
16	b	846	BCR	C17-C18-C19-C20
16	b	847	BCR	C11-C10-C9-C8
16	b	847	BCR	C11-C10-C9-C34
16	b	847	BCR	C10-C11-C12-C13
16	b	847	BCR	C17-C18-C19-C20
16	b	848	BCR	C11-C10-C9-C8
16	b	848	BCR	C11-C10-C9-C34
16	b	848	BCR	C10-C11-C12-C13
16	b	848	BCR	C18-C19-C20-C21
16	b	850	BCR	C7-C8-C9-C10
16	b	850	BCR	C7-C8-C9-C34
16	I	101	BCR	C7-C8-C9-C10
16	I	101	BCR	C7-C8-C9-C34
16	I	101	BCR	C11-C10-C9-C8
16	I	101	BCR	C11-C10-C9-C34
16	I	101	BCR	C10-C11-C12-C13
16	R	102	BCR	C7-C8-C9-C10
16	R	102	BCR	C7-C8-C9-C34
16	R	102	BCR	C11-C10-C9-C8
16	R	102	BCR	C11-C10-C9-C34
16	R	102	BCR	C10-C11-C12-C13
16	i	101	BCR	C7-C8-C9-C10
16	i	101	BCR	C7-C8-C9-C34
16	i	101	BCR	C11-C10-C9-C8
16	i	101	BCR	C11-C10-C9-C34
16	i	101	BCR	C10-C11-C12-C13
16	J	1304	BCR	C7-C8-C9-C10
16	J	1304	BCR	C11-C10-C9-C8
16	J	1304	BCR	C11-C10-C9-C34
16	J	1305	BCR	C7-C8-C9-C10
16	J	1305	BCR	C11-C12-C13-C14
16	J	1305	BCR	C11-C12-C13-C35
16	J	1305	BCR	C23-C24-C25-C26
16	S	103	BCR	C7-C8-C9-C10
16	S	103	BCR	C11-C10-C9-C8
16	S	103	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
16	S	104	BCR	C11-C10-C9-C8
16	S	104	BCR	C11-C10-C9-C34
16	S	104	BCR	C10-C11-C12-C13
16	S	104	BCR	C23-C24-C25-C26
16	j	1304	BCR	C7-C8-C9-C10
16	j	1304	BCR	C11-C10-C9-C8
16	j	1304	BCR	C11-C10-C9-C34
16	j	1305	BCR	C11-C10-C9-C8
16	j	1305	BCR	C11-C10-C9-C34
16	j	1305	BCR	C10-C11-C12-C13
16	j	1305	BCR	C23-C24-C25-C26
16	L	202	BCR	C7-C8-C9-C10
16	L	202	BCR	C7-C8-C9-C34
16	L	202	BCR	C11-C10-C9-C8
16	L	202	BCR	C11-C10-C9-C34
16	L	202	BCR	C10-C11-C12-C13
16	L	202	BCR	C11-C12-C13-C14
16	L	207	BCR	C7-C8-C9-C10
16	L	207	BCR	C7-C8-C9-C34
16	L	207	BCR	C23-C24-C25-C26
16	L	209	BCR	C11-C10-C9-C8
16	L	209	BCR	C11-C10-C9-C34
16	U	202	BCR	C7-C8-C9-C10
16	U	202	BCR	C7-C8-C9-C34
16	U	202	BCR	C11-C10-C9-C8
16	U	202	BCR	C11-C10-C9-C34
16	U	202	BCR	C10-C11-C12-C13
16	U	203	BCR	C11-C10-C9-C8
16	U	203	BCR	C11-C10-C9-C34
16	U	208	BCR	C7-C8-C9-C10
16	U	208	BCR	C7-C8-C9-C34
16	U	208	BCR	C37-C22-C23-C24
16	U	208	BCR	C23-C24-C25-C26
16	U	208	BCR	C23-C24-C25-C30
16	l	201	BCR	C7-C8-C9-C10
16	l	201	BCR	C7-C8-C9-C34
16	l	201	BCR	C11-C10-C9-C8
16	l	201	BCR	C11-C10-C9-C34
16	l	201	BCR	C10-C11-C12-C13
16	l	202	BCR	C11-C10-C9-C8
16	l	202	BCR	C11-C10-C9-C34
16	l	206	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
16	l	206	BCR	C7-C8-C9-C34
16	l	206	BCR	C23-C24-C25-C26
16	M	1602	BCR	C11-C10-C9-C8
16	M	1602	BCR	C11-C10-C9-C34
16	V	1602	BCR	C11-C10-C9-C8
16	V	1602	BCR	C11-C10-C9-C34
16	m	1203	BCR	C11-C10-C9-C8
16	m	1203	BCR	C11-C10-C9-C34
17	A	850	LHG	O2-C2-C3-O3
17	A	850	LHG	C3-O3-P-O5
17	A	850	LHG	C3-O3-P-O6
17	A	850	LHG	C4-O6-P-O3
17	A	851	LHG	O1-C1-C2-C3
17	A	851	LHG	O2-C2-C3-O3
17	A	851	LHG	C3-O3-P-O5
17	A	851	LHG	C3-O3-P-O6
17	A	851	LHG	C4-O6-P-O3
17	G	849	LHG	C3-O3-P-O5
17	G	849	LHG	C4-O6-P-O3
17	G	850	LHG	O1-C1-C2-C3
17	G	850	LHG	O2-C2-C3-O3
17	G	850	LHG	C3-O3-P-O5
17	G	850	LHG	C4-O6-P-O3
17	G	850	LHG	C4-O6-P-O5
17	a	850	LHG	O2-C2-C3-O3
17	a	850	LHG	C3-O3-P-O5
17	a	850	LHG	C3-O3-P-O6
17	a	850	LHG	C4-O6-P-O3
17	a	851	LHG	O1-C1-C2-C3
17	a	851	LHG	O2-C2-C3-O3
17	a	851	LHG	C3-O3-P-O5
17	a	851	LHG	C3-O3-P-O6
17	a	851	LHG	C4-O6-P-O3
17	a	851	LHG	C4-O6-P-O5
14	A	815	CLA	O1D-CGD-O2D-CED
14	G	808	CLA	O1D-CGD-O2D-CED
14	G	811	CLA	O1D-CGD-O2D-CED
14	G	815	CLA	O1D-CGD-O2D-CED
14	G	851	CLA	O1D-CGD-O2D-CED
14	A	805	CLA	O1D-CGD-O2D-CED
14	A	808	CLA	O1D-CGD-O2D-CED
14	A	809	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	820	CLA	O1D-CGD-O2D-CED
14	G	805	CLA	O1D-CGD-O2D-CED
14	G	809	CLA	O1D-CGD-O2D-CED
14	G	820	CLA	O1D-CGD-O2D-CED
14	a	805	CLA	O1D-CGD-O2D-CED
14	a	808	CLA	O1D-CGD-O2D-CED
14	a	809	CLA	O1D-CGD-O2D-CED
14	a	815	CLA	O1D-CGD-O2D-CED
14	B	821	CLA	O1D-CGD-O2D-CED
14	B	824	CLA	O1D-CGD-O2D-CED
14	H	806	CLA	O1D-CGD-O2D-CED
14	H	821	CLA	O1D-CGD-O2D-CED
14	H	824	CLA	O1D-CGD-O2D-CED
14	H	836	CLA	O1D-CGD-O2D-CED
14	b	818	CLA	O1D-CGD-O2D-CED
14	b	821	CLA	O1D-CGD-O2D-CED
14	b	834	CLA	O1D-CGD-O2D-CED
14	M	1601	CLA	O1D-CGD-O2D-CED
14	V	1601	CLA	O1D-CGD-O2D-CED
14	m	1202	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	CBD-CGD-O2D-CED
13	G	801	CL0	CBD-CGD-O2D-CED
13	a	801	CL0	CBD-CGD-O2D-CED
14	A	802	CLA	CBD-CGD-O2D-CED
14	A	805	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	CBD-CGD-O2D-CED
14	A	810	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	CBD-CGD-O2D-CED
14	A	815	CLA	CBD-CGD-O2D-CED
14	A	821	CLA	CBD-CGD-O2D-CED
14	A	822	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CBD-CGD-O2D-CED
14	A	827	CLA	CBD-CGD-O2D-CED
14	A	828	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	838	CLA	CBD-CGD-O2D-CED
14	A	839	CLA	CBD-CGD-O2D-CED
14	A	840	CLA	CBD-CGD-O2D-CED
14	G	802	CLA	CBD-CGD-O2D-CED
14	G	805	CLA	CBD-CGD-O2D-CED
14	G	808	CLA	CBD-CGD-O2D-CED
14	G	810	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	815	CLA	CBD-CGD-O2D-CED
14	G	817	CLA	CBD-CGD-O2D-CED
14	G	820	CLA	CBD-CGD-O2D-CED
14	G	822	CLA	CBD-CGD-O2D-CED
14	G	826	CLA	CBD-CGD-O2D-CED
14	G	827	CLA	CBD-CGD-O2D-CED
14	G	831	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	CBD-CGD-O2D-CED
14	G	838	CLA	CBD-CGD-O2D-CED
14	G	839	CLA	CBD-CGD-O2D-CED
14	a	802	CLA	CBD-CGD-O2D-CED
14	a	805	CLA	CBD-CGD-O2D-CED
14	a	807	CLA	CBD-CGD-O2D-CED
14	a	808	CLA	CBD-CGD-O2D-CED
14	a	810	CLA	CBD-CGD-O2D-CED
14	a	814	CLA	CBD-CGD-O2D-CED
14	a	815	CLA	CBD-CGD-O2D-CED
14	a	822	CLA	CBD-CGD-O2D-CED
14	a	827	CLA	CBD-CGD-O2D-CED
14	a	835	CLA	CBD-CGD-O2D-CED
14	a	839	CLA	CBD-CGD-O2D-CED
14	a	840	CLA	CBD-CGD-O2D-CED
14	a	841	CLA	CBD-CGD-O2D-CED
14	B	802	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	CBD-CGD-O2D-CED
14	B	809	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	CBD-CGD-O2D-CED
14	B	816	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBD-CGD-O2D-CED
14	B	824	CLA	CBD-CGD-O2D-CED
14	B	826	CLA	CBD-CGD-O2D-CED
14	B	828	CLA	CBD-CGD-O2D-CED
14	B	829	CLA	CBD-CGD-O2D-CED
14	B	830	CLA	CBD-CGD-O2D-CED
14	B	833	CLA	CBD-CGD-O2D-CED
14	B	834	CLA	CBD-CGD-O2D-CED
14	B	836	CLA	CBD-CGD-O2D-CED
14	B	839	CLA	CBD-CGD-O2D-CED
14	B	841	CLA	CBD-CGD-O2D-CED
14	H	806	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	809	CLA	CBD-CGD-O2D-CED
14	H	810	CLA	CBD-CGD-O2D-CED
14	H	813	CLA	CBD-CGD-O2D-CED
14	H	814	CLA	CBD-CGD-O2D-CED
14	H	816	CLA	CBD-CGD-O2D-CED
14	H	817	CLA	CBD-CGD-O2D-CED
14	H	824	CLA	CBD-CGD-O2D-CED
14	H	828	CLA	CBD-CGD-O2D-CED
14	H	829	CLA	CBD-CGD-O2D-CED
14	H	832	CLA	CBD-CGD-O2D-CED
14	H	833	CLA	CBD-CGD-O2D-CED
14	H	836	CLA	CBD-CGD-O2D-CED
14	H	841	CLA	CBD-CGD-O2D-CED
14	b	802	CLA	CBD-CGD-O2D-CED
14	b	803	CLA	CBD-CGD-O2D-CED
14	b	804	CLA	CBD-CGD-O2D-CED
14	b	806	CLA	CBD-CGD-O2D-CED
14	b	809	CLA	CBD-CGD-O2D-CED
14	b	810	CLA	CBD-CGD-O2D-CED
14	b	811	CLA	CBD-CGD-O2D-CED
14	b	813	CLA	CBD-CGD-O2D-CED
14	b	814	CLA	CBD-CGD-O2D-CED
14	b	819	CLA	CBD-CGD-O2D-CED
14	b	821	CLA	CBD-CGD-O2D-CED
14	b	825	CLA	CBD-CGD-O2D-CED
14	b	826	CLA	CBD-CGD-O2D-CED
14	b	827	CLA	CBD-CGD-O2D-CED
14	b	830	CLA	CBD-CGD-O2D-CED
14	b	832	CLA	CBD-CGD-O2D-CED
14	b	834	CLA	CBD-CGD-O2D-CED
14	b	837	CLA	CBD-CGD-O2D-CED
14	F	201	CLA	CBD-CGD-O2D-CED
14	Q	201	CLA	CBD-CGD-O2D-CED
14	J	1301	CLA	CBD-CGD-O2D-CED
14	j	1301	CLA	CBD-CGD-O2D-CED
14	K	1401	CLA	CBD-CGD-O2D-CED
14	T	102	CLA	CBD-CGD-O2D-CED
14	k	102	CLA	CBD-CGD-O2D-CED
14	l	205	CLA	CBD-CGD-O2D-CED
14	M	1601	CLA	CBD-CGD-O2D-CED
14	V	1601	CLA	CBD-CGD-O2D-CED
14	m	1202	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	819	CLA	O1A-CGA-O2A-C1
14	A	822	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	O1A-CGA-O2A-C1
14	G	819	CLA	O1A-CGA-O2A-C1
14	G	835	CLA	O1A-CGA-O2A-C1
14	G	841	CLA	O1A-CGA-O2A-C1
14	a	819	CLA	O1A-CGA-O2A-C1
14	a	822	CLA	O1A-CGA-O2A-C1
14	a	835	CLA	O1A-CGA-O2A-C1
14	a	842	CLA	O1A-CGA-O2A-C1
14	B	824	CLA	O1A-CGA-O2A-C1
14	H	824	CLA	O1A-CGA-O2A-C1
14	b	812	CLA	O1A-CGA-O2A-C1
14	b	821	CLA	O1A-CGA-O2A-C1
14	A	811	CLA	O1D-CGD-O2D-CED
14	a	820	CLA	O1D-CGD-O2D-CED
14	a	853	CLA	O1D-CGD-O2D-CED
14	B	805	CLA	O1D-CGD-O2D-CED
14	A	810	CLA	O1D-CGD-O2D-CED
14	A	827	CLA	O1D-CGD-O2D-CED
14	A	838	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	O1D-CGD-O2D-CED
14	G	827	CLA	O1D-CGD-O2D-CED
14	G	838	CLA	O1D-CGD-O2D-CED
14	a	810	CLA	O1D-CGD-O2D-CED
14	a	811	CLA	O1D-CGD-O2D-CED
14	a	822	CLA	O1D-CGD-O2D-CED
14	a	827	CLA	O1D-CGD-O2D-CED
14	a	839	CLA	O1D-CGD-O2D-CED
14	B	806	CLA	O1D-CGD-O2D-CED
14	B	809	CLA	O1D-CGD-O2D-CED
14	B	829	CLA	O1D-CGD-O2D-CED
14	B	836	CLA	O1D-CGD-O2D-CED
14	H	809	CLA	O1D-CGD-O2D-CED
14	H	829	CLA	O1D-CGD-O2D-CED
14	b	804	CLA	O1D-CGD-O2D-CED
14	b	806	CLA	O1D-CGD-O2D-CED
14	J	1301	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	CBA-CGA-O2A-C1
14	G	811	CLA	CBA-CGA-O2A-C1
14	G	819	CLA	CBA-CGA-O2A-C1
14	a	811	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	822	CLA	CBA-CGA-O2A-C1
14	H	815	CLA	CBA-CGA-O2A-C1
14	b	821	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	CBD-CGD-O2D-CED
14	A	826	CLA	CBD-CGD-O2D-CED
14	G	807	CLA	CBD-CGD-O2D-CED
14	a	830	CLA	CBD-CGD-O2D-CED
14	a	836	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	CBD-CGD-O2D-CED
14	A	811	CLA	O1A-CGA-O2A-C1
14	A	823	CLA	O1A-CGA-O2A-C1
14	A	833	CLA	O1A-CGA-O2A-C1
14	A	835	CLA	O1A-CGA-O2A-C1
14	A	840	CLA	O1A-CGA-O2A-C1
14	G	810	CLA	O1A-CGA-O2A-C1
14	G	811	CLA	O1A-CGA-O2A-C1
14	G	822	CLA	O1A-CGA-O2A-C1
14	G	823	CLA	O1A-CGA-O2A-C1
14	G	833	CLA	O1A-CGA-O2A-C1
14	G	840	CLA	O1A-CGA-O2A-C1
14	a	810	CLA	O1A-CGA-O2A-C1
14	a	811	CLA	O1A-CGA-O2A-C1
14	a	823	CLA	O1A-CGA-O2A-C1
14	a	833	CLA	O1A-CGA-O2A-C1
14	a	841	CLA	O1A-CGA-O2A-C1
14	B	803	CLA	O1A-CGA-O2A-C1
14	B	815	CLA	O1A-CGA-O2A-C1
14	H	803	CLA	O1A-CGA-O2A-C1
14	H	815	CLA	O1A-CGA-O2A-C1
14	b	803	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	O1D-CGD-O2D-CED
14	A	831	CLA	O1D-CGD-O2D-CED
14	G	817	CLA	O1D-CGD-O2D-CED
14	G	822	CLA	O1D-CGD-O2D-CED
14	G	831	CLA	O1D-CGD-O2D-CED
14	G	836	CLA	O1D-CGD-O2D-CED
14	a	812	CLA	O1D-CGD-O2D-CED
14	a	817	CLA	O1D-CGD-O2D-CED
14	a	823	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	a	828	CLA	O1D-CGD-O2D-CED
14	a	831	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	O1D-CGD-O2D-CED
14	B	819	CLA	O1D-CGD-O2D-CED
14	B	837	CLA	O1D-CGD-O2D-CED
14	B	838	CLA	O1D-CGD-O2D-CED
14	B	840	CLA	O1D-CGD-O2D-CED
14	b	809	CLA	O1D-CGD-O2D-CED
14	b	826	CLA	O1D-CGD-O2D-CED
14	b	831	CLA	O1D-CGD-O2D-CED
14	b	840	CLA	O1D-CGD-O2D-CED
14	F	201	CLA	O1D-CGD-O2D-CED
14	Q	201	CLA	O1D-CGD-O2D-CED
14	Q	202	CLA	O1D-CGD-O2D-CED
14	j	1301	CLA	O1D-CGD-O2D-CED
14	L	206	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	O1D-CGD-O2D-CED
14	G	818	CLA	O1D-CGD-O2D-CED
14	G	823	CLA	O1D-CGD-O2D-CED
14	B	813	CLA	O1D-CGD-O2D-CED
14	B	815	CLA	O1D-CGD-O2D-CED
14	B	818	CLA	O1D-CGD-O2D-CED
14	B	820	CLA	O1D-CGD-O2D-CED
14	B	842	CLA	O1D-CGD-O2D-CED
14	H	812	CLA	O1D-CGD-O2D-CED
14	H	815	CLA	O1D-CGD-O2D-CED
14	H	818	CLA	O1D-CGD-O2D-CED
14	H	819	CLA	O1D-CGD-O2D-CED
14	H	820	CLA	O1D-CGD-O2D-CED
14	H	837	CLA	O1D-CGD-O2D-CED
14	H	840	CLA	O1D-CGD-O2D-CED
14	H	842	CLA	O1D-CGD-O2D-CED
14	b	812	CLA	O1D-CGD-O2D-CED
14	b	815	CLA	O1D-CGD-O2D-CED
14	b	816	CLA	O1D-CGD-O2D-CED
14	b	817	CLA	O1D-CGD-O2D-CED
14	b	835	CLA	O1D-CGD-O2D-CED
14	b	836	CLA	O1D-CGD-O2D-CED
14	U	207	CLA	O1D-CGD-O2D-CED
14	W	1701	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	x	1701	CLA	O1D-CGD-O2D-CED
14	A	833	CLA	CBD-CGD-O2D-CED
14	a	826	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	CBD-CGD-O2D-CED
14	H	811	CLA	CBD-CGD-O2D-CED
14	H	834	CLA	CBD-CGD-O2D-CED
14	H	838	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	C3-C5-C6-C7
13	a	801	CL0	C3-C5-C6-C7
14	A	804	CLA	C3-C5-C6-C7
14	A	805	CLA	C3-C5-C6-C7
14	A	807	CLA	C3-C5-C6-C7
14	A	808	CLA	C3-C5-C6-C7
14	A	824	CLA	C3-C5-C6-C7
14	G	804	CLA	C3-C5-C6-C7
14	G	805	CLA	C3-C5-C6-C7
14	G	807	CLA	C3-C5-C6-C7
14	G	808	CLA	C3-C5-C6-C7
14	G	824	CLA	C3-C5-C6-C7
14	a	803	CLA	C3-C5-C6-C7
14	a	804	CLA	C3-C5-C6-C7
14	a	805	CLA	C3-C5-C6-C7
14	a	824	CLA	C3-C5-C6-C7
14	B	801	CLA	C3-C5-C6-C7
14	B	811	CLA	C3-C5-C6-C7
14	B	819	CLA	C3-C5-C6-C7
14	B	821	CLA	C3-C5-C6-C7
14	B	826	CLA	C3-C5-C6-C7
14	B	828	CLA	C3-C5-C6-C7
14	B	839	CLA	C3-C5-C6-C7
14	B	841	CLA	C3-C5-C6-C7
14	H	801	CLA	C3-C5-C6-C7
14	H	805	CLA	C3-C5-C6-C7
14	H	811	CLA	C3-C5-C6-C7
14	H	812	CLA	C3-C5-C6-C7
14	H	819	CLA	C3-C5-C6-C7
14	H	821	CLA	C3-C5-C6-C7
14	H	826	CLA	C3-C5-C6-C7
14	H	828	CLA	C3-C5-C6-C7
14	H	834	CLA	C3-C5-C6-C7
14	b	801	CLA	C3-C5-C6-C7
14	b	808	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	b	809	CLA	C3-C5-C6-C7
14	b	816	CLA	C3-C5-C6-C7
14	b	818	CLA	C3-C5-C6-C7
14	b	823	CLA	C3-C5-C6-C7
14	b	832	CLA	C3-C5-C6-C7
14	b	837	CLA	C3-C5-C6-C7
14	F	201	CLA	C3-C5-C6-C7
15	A	843	PQN	C13-C15-C16-C17
15	G	842	PQN	C13-C15-C16-C17
15	a	843	PQN	C13-C15-C16-C17
14	A	828	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	CBA-CGA-O2A-C1
14	A	803	CLA	CBA-CGA-O2A-C1
14	A	806	CLA	CBA-CGA-O2A-C1
14	A	811	CLA	CBA-CGA-O2A-C1
14	A	819	CLA	CBA-CGA-O2A-C1
14	A	823	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	A	835	CLA	CBA-CGA-O2A-C1
14	A	840	CLA	CBA-CGA-O2A-C1
14	G	802	CLA	CBA-CGA-O2A-C1
14	G	804	CLA	CBA-CGA-O2A-C1
14	G	806	CLA	CBA-CGA-O2A-C1
14	G	823	CLA	CBA-CGA-O2A-C1
14	G	833	CLA	CBA-CGA-O2A-C1
14	G	835	CLA	CBA-CGA-O2A-C1
14	G	840	CLA	CBA-CGA-O2A-C1
14	a	804	CLA	CBA-CGA-O2A-C1
14	a	806	CLA	CBA-CGA-O2A-C1
14	a	819	CLA	CBA-CGA-O2A-C1
14	a	823	CLA	CBA-CGA-O2A-C1
14	a	833	CLA	CBA-CGA-O2A-C1
14	a	835	CLA	CBA-CGA-O2A-C1
14	a	841	CLA	CBA-CGA-O2A-C1
14	B	803	CLA	CBA-CGA-O2A-C1
14	B	820	CLA	CBA-CGA-O2A-C1
14	B	824	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	CBA-CGA-O2A-C1
14	H	824	CLA	CBA-CGA-O2A-C1
14	b	803	CLA	CBA-CGA-O2A-C1
14	b	812	CLA	CBA-CGA-O2A-C1
14	b	817	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	832	CLA	CBA-CGA-O2A-C1
14	A	806	CLA	CBD-CGD-O2D-CED
14	A	814	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	CBD-CGD-O2D-CED
14	A	829	CLA	CBD-CGD-O2D-CED
14	A	832	CLA	CBD-CGD-O2D-CED
14	G	813	CLA	CBD-CGD-O2D-CED
14	G	814	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	CBD-CGD-O2D-CED
14	G	821	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	CBD-CGD-O2D-CED
14	G	830	CLA	CBD-CGD-O2D-CED
14	G	832	CLA	CBD-CGD-O2D-CED
14	a	806	CLA	CBD-CGD-O2D-CED
14	a	819	CLA	CBD-CGD-O2D-CED
14	a	821	CLA	CBD-CGD-O2D-CED
14	a	825	CLA	CBD-CGD-O2D-CED
14	a	829	CLA	CBD-CGD-O2D-CED
14	a	832	CLA	CBD-CGD-O2D-CED
14	a	833	CLA	CBD-CGD-O2D-CED
14	B	801	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CBD-CGD-O2D-CED
14	B	822	CLA	CBD-CGD-O2D-CED
14	B	823	CLA	CBD-CGD-O2D-CED
14	B	827	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	CBD-CGD-O2D-CED
14	H	801	CLA	CBD-CGD-O2D-CED
14	H	822	CLA	CBD-CGD-O2D-CED
14	H	823	CLA	CBD-CGD-O2D-CED
14	H	826	CLA	CBD-CGD-O2D-CED
14	H	827	CLA	CBD-CGD-O2D-CED
14	H	831	CLA	CBD-CGD-O2D-CED
14	b	807	CLA	CBD-CGD-O2D-CED
14	b	808	CLA	CBD-CGD-O2D-CED
14	b	820	CLA	CBD-CGD-O2D-CED
14	b	823	CLA	CBD-CGD-O2D-CED
14	b	824	CLA	CBD-CGD-O2D-CED
14	b	828	CLA	CBD-CGD-O2D-CED
14	b	829	CLA	CBD-CGD-O2D-CED
14	m	1201	CLA	CBD-CGD-O2D-CED
14	A	835	CLA	O1D-CGD-O2D-CED
14	A	839	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	840	CLA	O1D-CGD-O2D-CED
14	G	812	CLA	O1D-CGD-O2D-CED
14	G	825	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	O1D-CGD-O2D-CED
14	G	840	CLA	O1D-CGD-O2D-CED
14	a	818	CLA	O1D-CGD-O2D-CED
14	B	839	CLA	O1D-CGD-O2D-CED
14	H	839	CLA	O1D-CGD-O2D-CED
14	b	802	CLA	O1D-CGD-O2D-CED
14	b	810	CLA	O1D-CGD-O2D-CED
14	b	838	CLA	O1D-CGD-O2D-CED
14	b	839	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	C2C-C3C-CAC-CBC
14	A	823	CLA	O1D-CGD-O2D-CED
14	B	830	CLA	O1D-CGD-O2D-CED
14	H	802	CLA	O1D-CGD-O2D-CED
14	H	813	CLA	O1D-CGD-O2D-CED
14	H	830	CLA	O1D-CGD-O2D-CED
14	H	833	CLA	O1D-CGD-O2D-CED
14	A	852	CLA	C4-C3-C5-C6
14	a	852	CLA	C4-C3-C5-C6
14	B	820	CLA	C4-C3-C5-C6
14	H	803	CLA	C4-C3-C5-C6
14	H	805	CLA	C4-C3-C5-C6
14	H	824	CLA	C4-C3-C5-C6
14	H	834	CLA	C4-C3-C5-C6
14	b	803	CLA	C4-C3-C5-C6
14	b	804	CLA	C4-C3-C5-C6
14	b	821	CLA	C4-C3-C5-C6
14	A	852	CLA	C2-C3-C5-C6
14	a	852	CLA	C2-C3-C5-C6
14	B	834	CLA	C2-C3-C5-C6
14	H	805	CLA	C2-C3-C5-C6
14	H	834	CLA	C2-C3-C5-C6
14	b	804	CLA	C2-C3-C5-C6
14	G	841	CLA	CBD-CGD-O2D-CED
14	H	807	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	O1D-CGD-O2D-CED
14	G	839	CLA	O1D-CGD-O2D-CED
14	a	835	CLA	O1D-CGD-O2D-CED
14	a	840	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	833	CLA	O1D-CGD-O2D-CED
14	H	814	CLA	O1D-CGD-O2D-CED
14	H	816	CLA	O1D-CGD-O2D-CED
14	H	841	CLA	O1D-CGD-O2D-CED
14	b	813	CLA	O1D-CGD-O2D-CED
14	A	810	CLA	C2A-CAA-CBA-CGA
14	G	832	CLA	C2A-CAA-CBA-CGA
14	a	832	CLA	C2A-CAA-CBA-CGA
14	B	814	CLA	C2A-CAA-CBA-CGA
14	H	814	CLA	C2A-CAA-CBA-CGA
14	b	811	CLA	C2A-CAA-CBA-CGA
14	R	101	CLA	C2A-CAA-CBA-CGA
14	L	201	CLA	C2A-CAA-CBA-CGA
14	U	201	CLA	C2A-CAA-CBA-CGA
14	U	207	CLA	C2A-CAA-CBA-CGA
14	G	804	CLA	O1A-CGA-O2A-C1
14	a	802	CLA	O1A-CGA-O2A-C1
14	a	803	CLA	O1A-CGA-O2A-C1
13	G	801	CL0	C3-C5-C6-C7
14	A	803	CLA	C3-C5-C6-C7
14	A	832	CLA	C3-C5-C6-C7
14	A	852	CLA	C3-C5-C6-C7
14	G	803	CLA	C3-C5-C6-C7
14	G	828	CLA	C3-C5-C6-C7
14	a	807	CLA	C3-C5-C6-C7
14	a	808	CLA	C3-C5-C6-C7
14	B	812	CLA	C3-C5-C6-C7
14	B	834	CLA	C3-C5-C6-C7
14	H	839	CLA	C3-C5-C6-C7
14	H	841	CLA	C3-C5-C6-C7
14	b	839	CLA	C3-C5-C6-C7
14	A	804	CLA	CBA-CGA-O2A-C1
14	G	803	CLA	CBA-CGA-O2A-C1
14	G	810	CLA	CBA-CGA-O2A-C1
14	G	822	CLA	CBA-CGA-O2A-C1
14	a	802	CLA	CBA-CGA-O2A-C1
14	a	803	CLA	CBA-CGA-O2A-C1
14	a	810	CLA	CBA-CGA-O2A-C1
14	B	815	CLA	CBA-CGA-O2A-C1
14	B	816	CLA	CBA-CGA-O2A-C1
14	B	831	CLA	CBA-CGA-O2A-C1
14	B	834	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	H	816	CLA	CBA-CGA-O2A-C1
14	H	820	CLA	CBA-CGA-O2A-C1
14	H	831	CLA	CBA-CGA-O2A-C1
14	H	834	CLA	CBA-CGA-O2A-C1
14	b	828	CLA	CBA-CGA-O2A-C1
14	U	206	CLA	CBA-CGA-O2A-C1
16	G	843	BCR	C19-C20-C21-C22
16	B	847	BCR	C13-C14-C15-C16
16	B	847	BCR	C19-C20-C21-C22
16	H	847	BCR	C13-C14-C15-C16
16	H	847	BCR	C19-C20-C21-C22
16	b	845	BCR	C13-C14-C15-C16
14	A	802	CLA	O1A-CGA-O2A-C1
14	A	803	CLA	O1A-CGA-O2A-C1
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	806	CLA	O1A-CGA-O2A-C1
14	A	810	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	G	802	CLA	O1A-CGA-O2A-C1
14	G	803	CLA	O1A-CGA-O2A-C1
14	G	806	CLA	O1A-CGA-O2A-C1
14	a	804	CLA	O1A-CGA-O2A-C1
14	a	818	CLA	O1A-CGA-O2A-C1
14	B	816	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	O1A-CGA-O2A-C1
14	B	831	CLA	O1A-CGA-O2A-C1
14	H	816	CLA	O1A-CGA-O2A-C1
14	H	818	CLA	O1A-CGA-O2A-C1
14	H	831	CLA	O1A-CGA-O2A-C1
14	b	813	CLA	O1A-CGA-O2A-C1
14	b	815	CLA	O1A-CGA-O2A-C1
14	b	828	CLA	O1A-CGA-O2A-C1
14	L	204	CLA	O1A-CGA-O2A-C1
14	U	205	CLA	O1A-CGA-O2A-C1
14	U	206	CLA	O1A-CGA-O2A-C1
14	l	204	CLA	O1A-CGA-O2A-C1
19	B	851	LMG	C35-C36-C37-C38
19	B	851	LMG	C41-C42-C43-C44
19	H	851	LMG	C35-C36-C37-C38
19	H	851	LMG	C41-C42-C43-C44
19	b	849	LMG	C35-C36-C37-C38
19	b	849	LMG	C41-C42-C43-C44

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Mol	Chain	Res	Type	Atoms
13	A	801	CL0	O1D-CGD-O2D-CED
13	G	801	CL0	O1D-CGD-O2D-CED
13	a	801	CL0	O1D-CGD-O2D-CED
14	B	814	CLA	O1D-CGD-O2D-CED
14	B	828	CLA	O1D-CGD-O2D-CED
14	H	826	CLA	O1D-CGD-O2D-CED
14	b	830	CLA	O1D-CGD-O2D-CED
14	k	102	CLA	O1D-CGD-O2D-CED
14	l	205	CLA	O1D-CGD-O2D-CED
14	a	812	CLA	C3-C5-C6-C7
14	a	832	CLA	C3-C5-C6-C7
14	b	825	CLA	C3-C5-C6-C7
14	b	831	CLA	C3-C5-C6-C7
14	Q	201	CLA	C3-C5-C6-C7
14	G	806	CLA	CBD-CGD-O2D-CED
14	a	842	CLA	CBD-CGD-O2D-CED
14	L	204	CLA	CBD-CGD-O2D-CED
17	G	849	LHG	O2-C2-C3-O3
14	a	802	CLA	O1D-CGD-O2D-CED
14	B	802	CLA	O1D-CGD-O2D-CED
14	B	826	CLA	O1D-CGD-O2D-CED
14	H	828	CLA	O1D-CGD-O2D-CED
14	H	832	CLA	O1D-CGD-O2D-CED
14	b	825	CLA	O1D-CGD-O2D-CED
14	b	827	CLA	O1D-CGD-O2D-CED
14	b	832	CLA	O1D-CGD-O2D-CED
14	b	837	CLA	O1D-CGD-O2D-CED
14	K	1401	CLA	O1D-CGD-O2D-CED
14	T	102	CLA	O1D-CGD-O2D-CED
14	A	810	CLA	CBA-CGA-O2A-C1
14	A	824	CLA	CBA-CGA-O2A-C1
14	G	824	CLA	CBA-CGA-O2A-C1
14	a	818	CLA	CBA-CGA-O2A-C1
14	a	824	CLA	CBA-CGA-O2A-C1
14	B	808	CLA	CBA-CGA-O2A-C1
14	H	808	CLA	CBA-CGA-O2A-C1
14	b	805	CLA	CBA-CGA-O2A-C1
14	b	813	CLA	CBA-CGA-O2A-C1
14	b	815	CLA	CBA-CGA-O2A-C1
14	L	204	CLA	CBA-CGA-O2A-C1
14	L	206	CLA	CBA-CGA-O2A-C1
14	U	205	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	l	204	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	O1A-CGA-O2A-C1
14	a	806	CLA	O1A-CGA-O2A-C1
14	B	834	CLA	O1A-CGA-O2A-C1
14	H	834	CLA	O1A-CGA-O2A-C1
14	b	832	CLA	O1A-CGA-O2A-C1
14	L	205	CLA	O1A-CGA-O2A-C1
14	l	203	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C4C-C3C-CAC-CBC
14	B	834	CLA	O1D-CGD-O2D-CED
14	B	841	CLA	O1D-CGD-O2D-CED
14	b	811	CLA	O1D-CGD-O2D-CED
14	l	204	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	O1D-CGD-O2D-CED
14	b	805	CLA	O1A-CGA-O2A-C1
14	A	802	CLA	O1D-CGD-O2D-CED
14	G	802	CLA	O1D-CGD-O2D-CED
14	a	814	CLA	O1D-CGD-O2D-CED
14	a	841	CLA	O1D-CGD-O2D-CED
14	B	816	CLA	O1D-CGD-O2D-CED
14	H	817	CLA	O1D-CGD-O2D-CED
14	R	101	CLA	C3-C5-C6-C7
14	L	201	CLA	C3-C5-C6-C7
14	U	201	CLA	C3-C5-C6-C7
14	U	205	CLA	CBD-CGD-O2D-CED
14	l	203	CLA	CBD-CGD-O2D-CED
14	A	821	CLA	O1D-CGD-O2D-CED
14	A	830	CLA	O1D-CGD-O2D-CED
14	G	826	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	O1D-CGD-O2D-CED
14	B	817	CLA	O1D-CGD-O2D-CED
14	H	810	CLA	O1D-CGD-O2D-CED
14	b	819	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	CBA-CGA-O2A-C1
14	H	818	CLA	CBA-CGA-O2A-C1
14	L	205	CLA	CBA-CGA-O2A-C1
14	l	203	CLA	CBA-CGA-O2A-C1
14	a	802	CLA	C4-C3-C5-C6
14	B	826	CLA	C4-C3-C5-C6
14	H	806	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	820	CLA	C2-C3-C5-C6
14	B	826	CLA	C2-C3-C5-C6
14	H	824	CLA	C2-C3-C5-C6
14	H	826	CLA	C2-C3-C5-C6
14	b	821	CLA	C2-C3-C5-C6
14	b	823	CLA	C2-C3-C5-C6
15	G	842	PQN	C12-C13-C15-C16
14	G	824	CLA	O1A-CGA-O2A-C1
14	B	808	CLA	O1A-CGA-O2A-C1
14	H	808	CLA	O1A-CGA-O2A-C1
14	H	820	CLA	O1A-CGA-O2A-C1
14	b	817	CLA	O1A-CGA-O2A-C1
14	A	813	CLA	CBD-CGD-O2D-CED
14	b	801	CLA	CBD-CGD-O2D-CED
14	b	803	CLA	O1D-CGD-O2D-CED
14	b	814	CLA	O1D-CGD-O2D-CED
14	A	828	CLA	C2A-CAA-CBA-CGA
14	A	832	CLA	C2A-CAA-CBA-CGA
14	A	841	CLA	C2A-CAA-CBA-CGA
14	G	828	CLA	C2A-CAA-CBA-CGA
14	a	828	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	C2A-CAA-CBA-CGA
14	k	101	CLA	C2A-CAA-CBA-CGA
14	A	826	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	O1A-CGA-O2A-C1
14	a	824	CLA	O1A-CGA-O2A-C1
14	B	820	CLA	O1A-CGA-O2A-C1
14	L	206	CLA	O1A-CGA-O2A-C1
14	A	828	CLA	C3-C5-C6-C7
14	A	825	CLA	O1D-CGD-O2D-CED
14	a	807	CLA	O1D-CGD-O2D-CED
14	a	826	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	CBA-CGA-O2A-C1
14	G	825	CLA	CBA-CGA-O2A-C1
14	a	807	CLA	CBA-CGA-O2A-C1
14	a	825	CLA	CBA-CGA-O2A-C1
14	a	829	CLA	CBA-CGA-O2A-C1
14	l	205	CLA	CBA-CGA-O2A-C1
14	A	836	CLA	CBD-CGD-O2D-CED
14	A	842	CLA	CBD-CGD-O2D-CED
14	a	804	CLA	CBD-CGD-O2D-CED
14	a	834	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	a	836	CLA	O1D-CGD-O2D-CED
14	H	803	CLA	O1D-CGD-O2D-CED
14	H	834	CLA	O1D-CGD-O2D-CED
14	G	824	CLA	CBD-CGD-O2D-CED
14	U	206	CLA	CBD-CGD-O2D-CED
14	a	852	CLA	C3-C5-C6-C7
14	B	820	CLA	C3-C5-C6-C7
14	H	820	CLA	C3-C5-C6-C7
14	A	807	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	O1D-CGD-O2D-CED
16	A	844	BCR	C19-C20-C21-C22
16	B	847	BCR	C15-C16-C17-C18
16	H	847	BCR	C15-C16-C17-C18
16	b	845	BCR	C15-C16-C17-C18
17	A	850	LHG	C1-C2-C3-O3
17	G	849	LHG	C1-C2-C3-O3
17	a	850	LHG	C1-C2-C3-O3
14	A	833	CLA	O1D-CGD-O2D-CED
14	B	811	CLA	O1D-CGD-O2D-CED
14	A	829	CLA	CBA-CGA-O2A-C1
14	G	807	CLA	CBA-CGA-O2A-C1
14	G	829	CLA	CBA-CGA-O2A-C1
14	B	838	CLA	CBA-CGA-O2A-C1
14	H	838	CLA	CBA-CGA-O2A-C1
14	b	836	CLA	CBA-CGA-O2A-C1
14	U	207	CLA	CBA-CGA-O2A-C1
14	A	814	CLA	O1D-CGD-O2D-CED
14	A	832	CLA	O1D-CGD-O2D-CED
14	G	821	CLA	O1D-CGD-O2D-CED
14	a	830	CLA	O1D-CGD-O2D-CED
14	B	803	CLA	O1D-CGD-O2D-CED
14	B	832	CLA	O1D-CGD-O2D-CED
14	H	811	CLA	O1D-CGD-O2D-CED
14	b	807	CLA	O1D-CGD-O2D-CED
14	b	824	CLA	O1D-CGD-O2D-CED
14	l	205	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	C4-C3-C5-C6
14	A	840	CLA	C4-C3-C5-C6
14	G	802	CLA	C4-C3-C5-C6
14	G	839	CLA	C4-C3-C5-C6
14	G	840	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a	840	CLA	C4-C3-C5-C6
14	a	841	CLA	C4-C3-C5-C6
14	H	820	CLA	C4-C3-C5-C6
14	H	826	CLA	C4-C3-C5-C6
14	b	817	CLA	C4-C3-C5-C6
14	b	823	CLA	C4-C3-C5-C6
15	A	843	PQN	C14-C13-C15-C16
15	G	842	PQN	C14-C13-C15-C16
15	a	843	PQN	C14-C13-C15-C16
14	A	839	CLA	C2-C3-C5-C6
14	A	840	CLA	C2-C3-C5-C6
14	G	839	CLA	C2-C3-C5-C6
14	G	840	CLA	C2-C3-C5-C6
14	a	840	CLA	C2-C3-C5-C6
14	a	841	CLA	C2-C3-C5-C6
14	H	806	CLA	C2-C3-C5-C6
14	H	820	CLA	C2-C3-C5-C6
14	b	817	CLA	C2-C3-C5-C6
15	A	843	PQN	C12-C13-C15-C16
15	a	843	PQN	C12-C13-C15-C16
14	A	827	CLA	C3-C5-C6-C7
14	G	812	CLA	C3-C5-C6-C7
14	a	828	CLA	C3-C5-C6-C7
14	L	206	CLA	C3-C5-C6-C7
14	a	824	CLA	CBD-CGD-O2D-CED
14	a	852	CLA	C6-C7-C8-C9
14	a	832	CLA	O1D-CGD-O2D-CED
14	a	833	CLA	O1D-CGD-O2D-CED
14	B	827	CLA	O1D-CGD-O2D-CED
14	H	827	CLA	O1D-CGD-O2D-CED
14	b	808	CLA	O1D-CGD-O2D-CED
14	b	823	CLA	O1D-CGD-O2D-CED
14	b	828	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	O1D-CGD-O2D-CED
14	G	814	CLA	O1D-CGD-O2D-CED
14	G	819	CLA	O1D-CGD-O2D-CED
14	G	830	CLA	O1D-CGD-O2D-CED
14	G	832	CLA	O1D-CGD-O2D-CED
14	a	819	CLA	O1D-CGD-O2D-CED
14	a	821	CLA	O1D-CGD-O2D-CED
14	a	830	CLA	CBA-CGA-O2A-C1
14	B	838	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	825	CLA	O1D-CGD-O2D-CED
14	H	822	CLA	O1D-CGD-O2D-CED
14	H	831	CLA	O1D-CGD-O2D-CED
16	A	845	BCR	C7-C8-C9-C34
16	A	845	BCR	C11-C12-C13-C35
16	A	846	BCR	C36-C18-C19-C20
16	A	849	BCR	C7-C8-C9-C34
16	G	844	BCR	C7-C8-C9-C34
16	G	844	BCR	C11-C12-C13-C35
16	G	845	BCR	C36-C18-C19-C20
16	G	848	BCR	C7-C8-C9-C34
16	G	848	BCR	C36-C18-C19-C20
16	G	848	BCR	C37-C22-C23-C24
16	a	845	BCR	C7-C8-C9-C34
16	a	845	BCR	C11-C12-C13-C35
16	a	846	BCR	C36-C18-C19-C20
16	a	849	BCR	C7-C8-C9-C34
16	a	849	BCR	C36-C18-C19-C20
16	a	849	BCR	C37-C22-C23-C24
16	B	844	BCR	C7-C8-C9-C34
16	B	844	BCR	C37-C22-C23-C24
16	B	845	BCR	C11-C12-C13-C35
16	B	845	BCR	C37-C22-C23-C24
16	B	846	BCR	C7-C8-C9-C34
16	B	848	BCR	C36-C18-C19-C20
16	B	849	BCR	C7-C8-C9-C34
16	B	849	BCR	C36-C18-C19-C20
16	H	844	BCR	C7-C8-C9-C34
16	H	845	BCR	C37-C22-C23-C24
16	H	846	BCR	C7-C8-C9-C34
16	H	848	BCR	C36-C18-C19-C20
16	H	849	BCR	C7-C8-C9-C34
16	H	849	BCR	C36-C18-C19-C20
16	b	842	BCR	C7-C8-C9-C34
16	b	842	BCR	C37-C22-C23-C24
16	b	843	BCR	C11-C12-C13-C35
16	b	843	BCR	C37-C22-C23-C24
16	b	844	BCR	C7-C8-C9-C34
16	b	846	BCR	C36-C18-C19-C20
16	b	847	BCR	C7-C8-C9-C34
16	b	847	BCR	C36-C18-C19-C20
16	J	1304	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
16	S	103	BCR	C7-C8-C9-C34
16	S	103	BCR	C37-C22-C23-C24
16	S	104	BCR	C11-C12-C13-C35
16	j	1304	BCR	C7-C8-C9-C34
16	j	1304	BCR	C37-C22-C23-C24
16	L	202	BCR	C11-C12-C13-C35
16	L	207	BCR	C37-C22-C23-C24
16	l	201	BCR	C11-C12-C13-C35
16	l	206	BCR	C37-C22-C23-C24
16	A	849	BCR	C7-C8-C9-C10
16	G	848	BCR	C7-C8-C9-C10
16	a	849	BCR	C7-C8-C9-C10
16	B	844	BCR	C7-C8-C9-C10
16	B	849	BCR	C7-C8-C9-C10
16	H	844	BCR	C7-C8-C9-C10
16	H	849	BCR	C7-C8-C9-C10
16	b	842	BCR	C7-C8-C9-C10
16	b	847	BCR	C7-C8-C9-C10
16	L	207	BCR	C21-C22-C23-C24
16	U	208	BCR	C21-C22-C23-C24
16	l	206	BCR	C21-C22-C23-C24
14	F	201	CLA	C2A-CAA-CBA-CGA
14	L	206	CLA	C2A-CAA-CBA-CGA
14	l	205	CLA	C2A-CAA-CBA-CGA
14	B	822	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	CBD-CGD-O2D-CED
17	G	849	LHG	O7-C5-C6-O8
14	A	807	CLA	CBA-CGA-O2A-C1
14	A	830	CLA	CBA-CGA-O2A-C1
14	G	830	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	CBA-CGA-O2A-C1
14	b	806	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	C2-C1-O2A-CGA
14	A	827	CLA	C2-C1-O2A-CGA
14	A	839	CLA	C2-C1-O2A-CGA
14	G	804	CLA	C2-C1-O2A-CGA
14	G	839	CLA	C2-C1-O2A-CGA
14	a	827	CLA	C2-C1-O2A-CGA
14	a	840	CLA	C2-C1-O2A-CGA
14	B	812	CLA	C2-C1-O2A-CGA
14	H	812	CLA	C2-C1-O2A-CGA
14	b	809	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	A	806	CLA	O1D-CGD-O2D-CED
14	B	801	CLA	O1D-CGD-O2D-CED
14	b	829	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	C13-C15-C16-C17
14	a	805	CLA	C5-C6-C7-C8
14	B	809	CLA	C13-C15-C16-C17
14	b	804	CLA	C15-C16-C17-C18
14	b	806	CLA	C13-C15-C16-C17
17	A	851	LHG	O1-C1-C2-O2
14	A	812	CLA	C3-C5-C6-C7
14	G	832	CLA	C3-C5-C6-C7
14	U	207	CLA	C3-C5-C6-C7
14	B	823	CLA	O1D-CGD-O2D-CED
14	H	823	CLA	O1D-CGD-O2D-CED
14	b	820	CLA	O1D-CGD-O2D-CED
14	U	207	CLA	O1A-CGA-O2A-C1
14	H	809	CLA	CBA-CGA-O2A-C1
14	B	805	CLA	C4-C3-C5-C6
14	a	842	CLA	C2C-C3C-CAC-CBC
14	H	801	CLA	O1D-CGD-O2D-CED
16	J	1304	BCR	C19-C20-C21-C22
16	S	103	BCR	C19-C20-C21-C22
16	j	1304	BCR	C19-C20-C21-C22
14	A	829	CLA	O1D-CGD-O2D-CED
14	G	841	CLA	O1D-CGD-O2D-CED
14	a	829	CLA	O1D-CGD-O2D-CED
14	b	817	CLA	C3-C5-C6-C7
14	A	824	CLA	C8-C10-C11-C12
14	G	805	CLA	C5-C6-C7-C8
14	G	807	CLA	C8-C10-C11-C12
14	G	824	CLA	C8-C10-C11-C12
14	Q	201	CLA	C15-C16-C17-C18
14	a	830	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	O1A-CGA-O2A-C1
14	b	806	CLA	O1A-CGA-O2A-C1
14	A	807	CLA	C8-C10-C11-C12
14	A	807	CLA	C13-C15-C16-C17
14	A	839	CLA	C13-C15-C16-C17
14	G	851	CLA	C10-C11-C12-C13
14	B	815	CLA	C8-C10-C11-C12
14	B	824	CLA	C5-C6-C7-C8
14	H	809	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	H	815	CLA	C8-C10-C11-C12
14	b	825	CLA	C10-C11-C12-C13
14	F	201	CLA	C13-C15-C16-C17
14	A	830	CLA	C2A-CAA-CBA-CGA
14	G	810	CLA	C2A-CAA-CBA-CGA
14	G	830	CLA	C2A-CAA-CBA-CGA
14	a	810	CLA	C2A-CAA-CBA-CGA
14	a	830	CLA	C2A-CAA-CBA-CGA
14	B	801	CLA	C2A-CAA-CBA-CGA
14	B	807	CLA	C2A-CAA-CBA-CGA
14	B	832	CLA	C2A-CAA-CBA-CGA
14	H	801	CLA	C2A-CAA-CBA-CGA
14	H	807	CLA	C2A-CAA-CBA-CGA
14	H	832	CLA	C2A-CAA-CBA-CGA
14	b	801	CLA	C2A-CAA-CBA-CGA
14	b	829	CLA	C2A-CAA-CBA-CGA
14	b	831	CLA	C2A-CAA-CBA-CGA
14	Q	201	CLA	C2A-CAA-CBA-CGA
14	m	1201	CLA	C2A-CAA-CBA-CGA
16	A	844	BCR	C10-C11-C12-C13
16	B	844	BCR	C10-C11-C12-C13
16	H	844	BCR	C10-C11-C12-C13
16	b	842	BCR	C10-C11-C12-C13
16	l	202	BCR	C10-C11-C12-C13
14	A	805	CLA	C5-C6-C7-C8
14	A	808	CLA	C8-C10-C11-C12
14	A	810	CLA	C10-C11-C12-C13
14	A	812	CLA	C5-C6-C7-C8
14	A	828	CLA	C8-C10-C11-C12
14	A	839	CLA	C5-C6-C7-C8
14	a	807	CLA	C8-C10-C11-C12
14	a	808	CLA	C8-C10-C11-C12
14	a	840	CLA	C13-C15-C16-C17
14	a	853	CLA	C10-C11-C12-C13
14	B	805	CLA	C13-C15-C16-C17
14	B	809	CLA	C5-C6-C7-C8
14	B	809	CLA	C10-C11-C12-C13
14	B	815	CLA	C10-C11-C12-C13
14	B	815	CLA	C15-C16-C17-C18
14	H	808	CLA	C13-C15-C16-C17
14	H	815	CLA	C10-C11-C12-C13
14	H	815	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	H	821	CLA	C8-C10-C11-C12
14	H	824	CLA	C5-C6-C7-C8
14	b	803	CLA	C8-C10-C11-C12
14	b	818	CLA	C8-C10-C11-C12
14	b	821	CLA	C5-C6-C7-C8
14	b	831	CLA	C15-C16-C17-C18
14	F	201	CLA	C15-C16-C17-C18
14	Q	201	CLA	C13-C15-C16-C17
14	l	205	CLA	C5-C6-C7-C8
15	H	843	PQN	C25-C26-C27-C28
14	A	829	CLA	O1A-CGA-O2A-C1
14	G	829	CLA	O1A-CGA-O2A-C1
14	H	838	CLA	O1A-CGA-O2A-C1
14	A	820	CLA	C3-C5-C6-C7
14	G	829	CLA	O1D-CGD-O2D-CED
14	a	842	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	O1D-CGD-O2D-CED
14	L	205	CLA	O1D-CGD-O2D-CED
14	A	810	CLA	C15-C16-C17-C18
14	A	840	CLA	C13-C15-C16-C17
14	G	808	CLA	C8-C10-C11-C12
14	G	810	CLA	C15-C16-C17-C18
14	G	812	CLA	C5-C6-C7-C8
14	G	839	CLA	C13-C15-C16-C17
14	a	807	CLA	C13-C15-C16-C17
14	a	810	CLA	C10-C11-C12-C13
14	a	812	CLA	C5-C6-C7-C8
14	B	803	CLA	C8-C10-C11-C12
14	B	806	CLA	C10-C11-C12-C13
14	H	803	CLA	C8-C10-C11-C12
14	H	809	CLA	C10-C11-C12-C13
14	H	819	CLA	C5-C6-C7-C8
14	b	801	CLA	C8-C10-C11-C12
14	b	804	CLA	C13-C15-C16-C17
14	b	806	CLA	C5-C6-C7-C8
14	b	806	CLA	C10-C11-C12-C13
14	b	812	CLA	C8-C10-C11-C12
14	b	812	CLA	C10-C11-C12-C13
14	b	831	CLA	C8-C10-C11-C12
14	F	201	CLA	C8-C10-C11-C12
14	F	201	CLA	C10-C11-C12-C13
14	Q	201	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	L	201	CLA	C15-C16-C17-C18
14	U	201	CLA	C15-C16-C17-C18
14	U	206	CLA	C13-C15-C16-C17
13	G	801	CL0	CBA-CGA-O2A-C1
14	B	819	CLA	CBA-CGA-O2A-C1
14	A	825	CLA	O1A-CGA-O2A-C1
14	G	825	CLA	O1A-CGA-O2A-C1
14	a	825	CLA	O1A-CGA-O2A-C1
14	a	829	CLA	O1A-CGA-O2A-C1
14	b	836	CLA	O1A-CGA-O2A-C1
14	G	810	CLA	C10-C11-C12-C13
14	a	810	CLA	C15-C16-C17-C18
14	b	812	CLA	C15-C16-C17-C18
14	Q	201	CLA	C10-C11-C12-C13
14	L	206	CLA	C5-C6-C7-C8
15	B	843	PQN	C25-C26-C27-C28
14	a	806	CLA	O1D-CGD-O2D-CED
14	m	1201	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	C8-C10-C11-C12
14	A	808	CLA	C13-C15-C16-C17
14	A	839	CLA	C8-C10-C11-C12
14	G	805	CLA	C15-C16-C17-C18
14	G	818	CLA	C13-C15-C16-C17
14	G	840	CLA	C13-C15-C16-C17
14	a	805	CLA	C15-C16-C17-C18
14	a	825	CLA	C5-C6-C7-C8
14	a	828	CLA	C8-C10-C11-C12
14	a	841	CLA	C13-C15-C16-C17
14	a	852	CLA	C15-C16-C17-C18
14	B	819	CLA	C5-C6-C7-C8
14	B	821	CLA	C8-C10-C11-C12
14	H	809	CLA	C5-C6-C7-C8
14	b	816	CLA	C5-C6-C7-C8
14	b	831	CLA	C10-C11-C12-C13
14	L	205	CLA	C13-C15-C16-C17
14	U	207	CLA	C5-C6-C7-C8
14	a	813	CLA	CBD-CGD-O2D-CED
14	b	833	CLA	CBD-CGD-O2D-CED
14	G	807	CLA	O1A-CGA-O2A-C1
14	G	830	CLA	O1A-CGA-O2A-C1
14	H	807	CLA	O1D-CGD-O2D-CED
14	L	204	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	825	CLA	C5-C6-C7-C8
14	A	852	CLA	C15-C16-C17-C18
14	G	808	CLA	C13-C15-C16-C17
14	a	808	CLA	C13-C15-C16-C17
14	a	818	CLA	C13-C15-C16-C17
14	a	840	CLA	C5-C6-C7-C8
14	b	831	CLA	C13-C15-C16-C17
14	R	101	CLA	C15-C16-C17-C18
15	b	841	PQN	C25-C26-C27-C28
13	A	801	CL0	CBA-CGA-O2A-C1
13	a	801	CL0	CBA-CGA-O2A-C1
14	G	812	CLA	CBA-CGA-O2A-C1
14	G	817	CLA	CBA-CGA-O2A-C1
14	G	820	CLA	CBA-CGA-O2A-C1
14	G	827	CLA	CBA-CGA-O2A-C1
14	a	812	CLA	CBA-CGA-O2A-C1
14	a	820	CLA	CBA-CGA-O2A-C1
14	a	827	CLA	CBA-CGA-O2A-C1
14	H	821	CLA	CBA-CGA-O2A-C1
14	b	816	CLA	CBA-CGA-O2A-C1
14	b	818	CLA	CBA-CGA-O2A-C1
14	a	803	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	CBD-CGD-O2D-CED
17	a	850	LHG	C8-C7-O7-C5
14	A	830	CLA	O1A-CGA-O2A-C1
14	a	807	CLA	O1A-CGA-O2A-C1
14	H	809	CLA	O1A-CGA-O2A-C1
14	G	825	CLA	C5-C6-C7-C8
14	H	806	CLA	C15-C16-C17-C18
14	l	204	CLA	C13-C15-C16-C17
14	a	838	CLA	C3-C5-C6-C7
14	a	841	CLA	C3-C5-C6-C7
14	b	804	CLA	C3-C5-C6-C7
14	l	205	CLA	C3-C5-C6-C7
16	a	846	BCR	C9-C10-C11-C12
16	B	844	BCR	C19-C20-C21-C22
16	b	842	BCR	C19-C20-C21-C22
17	a	850	LHG	O9-C7-O7-C5
17	A	851	LHG	C1-C2-C3-O3
17	G	850	LHG	C1-C2-C3-O3
17	a	851	LHG	C1-C2-C3-O3
14	A	811	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A	840	CLA	C2A-CAA-CBA-CGA
14	G	811	CLA	C2A-CAA-CBA-CGA
14	G	840	CLA	C2A-CAA-CBA-CGA
14	G	851	CLA	C2A-CAA-CBA-CGA
14	a	811	CLA	C2A-CAA-CBA-CGA
14	a	841	CLA	C2A-CAA-CBA-CGA
14	a	853	CLA	C2A-CAA-CBA-CGA
14	B	806	CLA	C2A-CAA-CBA-CGA
14	B	829	CLA	C2A-CAA-CBA-CGA
14	H	805	CLA	C2A-CAA-CBA-CGA
14	H	829	CLA	C2A-CAA-CBA-CGA
14	b	826	CLA	C2A-CAA-CBA-CGA
14	A	812	CLA	CBA-CGA-O2A-C1
14	A	820	CLA	CBA-CGA-O2A-C1
14	A	827	CLA	CBA-CGA-O2A-C1
13	a	801	CL0	C8-C10-C11-C12
14	A	823	CLA	C5-C6-C7-C8
14	G	804	CLA	C10-C11-C12-C13
14	G	839	CLA	C5-C6-C7-C8
14	a	836	CLA	C5-C6-C7-C8
14	a	838	CLA	C5-C6-C7-C8
14	B	805	CLA	C15-C16-C17-C18
14	B	828	CLA	C10-C11-C12-C13
14	B	841	CLA	C13-C15-C16-C17
14	H	801	CLA	C8-C10-C11-C12
14	H	805	CLA	C8-C10-C11-C12
14	H	806	CLA	C13-C15-C16-C17
14	b	805	CLA	C13-C15-C16-C17
14	b	817	CLA	C5-C6-C7-C8
14	F	201	CLA	C5-C6-C7-C8
14	R	101	CLA	C10-C11-C12-C13
14	L	201	CLA	C10-C11-C12-C13
14	b	801	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	C8-C10-C11-C12
14	A	804	CLA	C10-C11-C12-C13
14	a	804	CLA	C10-C11-C12-C13
14	a	823	CLA	C5-C6-C7-C8
14	a	824	CLA	C8-C10-C11-C12
14	a	828	CLA	C5-C6-C7-C8
14	B	801	CLA	C8-C10-C11-C12
14	B	808	CLA	C13-C15-C16-C17
14	b	827	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b	827	CLA	C15-C16-C17-C18
14	U	205	CLA	O1D-CGD-O2D-CED
14	A	828	CLA	C5-C6-C7-C8
14	A	836	CLA	C5-C6-C7-C8
14	G	823	CLA	C5-C6-C7-C8
14	G	836	CLA	C5-C6-C7-C8
14	B	804	CLA	C5-C6-C7-C8
14	B	830	CLA	C5-C6-C7-C8
14	B	830	CLA	C15-C16-C17-C18
14	H	804	CLA	C5-C6-C7-C8
14	H	828	CLA	C10-C11-C12-C13
14	H	830	CLA	C5-C6-C7-C8
14	H	830	CLA	C15-C16-C17-C18
14	b	831	CLA	C5-C6-C7-C8
14	b	839	CLA	C13-C15-C16-C17
14	U	201	CLA	C10-C11-C12-C13
15	a	843	PQN	C15-C16-C17-C18
14	l	203	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	CBA-CGA-O2A-C1
14	a	817	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	C4-C3-C5-C6
14	B	824	CLA	C4-C3-C5-C6
14	G	813	CLA	O1D-CGD-O2D-CED
14	l	204	CLA	O1D-CGD-O2D-CED
14	a	840	CLA	C8-C10-C11-C12
14	H	811	CLA	C15-C16-C17-C18
14	A	840	CLA	C3-C5-C6-C7
17	A	850	LHG	C8-C7-O7-C5
17	G	849	LHG	C8-C7-O7-C5
14	G	806	CLA	O1D-CGD-O2D-CED
14	G	827	CLA	O1A-CGA-O2A-C1
17	A	850	LHG	O9-C7-O7-C5
17	G	849	LHG	O9-C7-O7-C5
14	G	851	CLA	CBA-CGA-O2A-C1
14	a	853	CLA	CBA-CGA-O2A-C1
14	G	836	CLA	C8-C10-C11-C12
14	H	820	CLA	C5-C6-C7-C8
14	H	829	CLA	C13-C15-C16-C17
16	A	849	BCR	C11-C10-C9-C34
16	G	846	BCR	C11-C10-C9-C34
16	G	848	BCR	C11-C10-C9-C34
16	a	849	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
16	H	847	BCR	C11-C10-C9-C34
16	J	1305	BCR	C11-C10-C9-C34
16	U	208	BCR	C11-C10-C9-C34
16	l	206	BCR	C11-C10-C9-C34
14	a	827	CLA	C3-C5-C6-C7
14	A	842	CLA	C2C-C3C-CAC-CBC
14	a	852	CLA	C8-C10-C11-C12
14	H	805	CLA	C15-C16-C17-C18
14	b	808	CLA	C15-C16-C17-C18
16	A	848	BCR	C7-C8-C9-C34
16	a	848	BCR	C7-C8-C9-C34
16	B	846	BCR	C11-C12-C13-C35
16	B	852	BCR	C36-C18-C19-C20
16	H	845	BCR	C11-C12-C13-C35
16	H	847	BCR	C11-C12-C13-C35
16	H	852	BCR	C36-C18-C19-C20
16	b	844	BCR	C11-C12-C13-C35
16	J	1304	BCR	C37-C22-C23-C24
16	J	1305	BCR	C7-C8-C9-C34
16	j	1305	BCR	C11-C12-C13-C35
16	M	1602	BCR	C7-C8-C9-C34
16	V	1602	BCR	C7-C8-C9-C34
16	m	1203	BCR	C7-C8-C9-C34
16	A	845	BCR	C11-C12-C13-C14
16	a	849	BCR	C21-C22-C23-C24
16	b	844	BCR	C7-C8-C9-C10
16	S	104	BCR	C11-C12-C13-C14
16	j	1305	BCR	C11-C12-C13-C14
16	l	201	BCR	C11-C12-C13-C14
16	M	1602	BCR	C7-C8-C9-C10
16	V	1602	BCR	C7-C8-C9-C10
16	m	1203	BCR	C7-C8-C9-C10
13	A	801	CL0	O1A-CGA-O2A-C1
14	A	812	CLA	O1A-CGA-O2A-C1
14	A	827	CLA	O1A-CGA-O2A-C1
14	G	820	CLA	O1A-CGA-O2A-C1
14	H	821	CLA	O1A-CGA-O2A-C1
14	A	807	CLA	C2A-CAA-CBA-CGA
14	A	812	CLA	C2A-CAA-CBA-CGA
14	G	817	CLA	C2A-CAA-CBA-CGA
14	a	852	CLA	C2A-CAA-CBA-CGA
14	B	802	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	B	817	CLA	C2A-CAA-CBA-CGA
14	B	842	CLA	C2A-CAA-CBA-CGA
14	H	802	CLA	C2A-CAA-CBA-CGA
14	H	817	CLA	C2A-CAA-CBA-CGA
14	b	802	CLA	C2A-CAA-CBA-CGA
14	b	814	CLA	C2A-CAA-CBA-CGA
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	x	1701	CLA	C2A-CAA-CBA-CGA
14	G	818	CLA	C15-C16-C17-C18
14	B	811	CLA	C15-C16-C17-C18
14	B	829	CLA	C13-C15-C16-C17
14	A	852	CLA	O2A-C1-C2-C3
16	H	846	BCR	C19-C20-C21-C22
14	A	839	CLA	C16-C17-C18-C19
14	B	812	CLA	C16-C17-C18-C19
14	H	811	CLA	C16-C17-C18-C19
14	H	812	CLA	C16-C17-C18-C19
14	H	824	CLA	C6-C7-C8-C10
14	H	841	CLA	C16-C17-C18-C19
14	b	821	CLA	C6-C7-C8-C10
13	G	801	CL0	O1A-CGA-O2A-C1
13	a	801	CL0	O1A-CGA-O2A-C1
14	A	807	CLA	O1A-CGA-O2A-C1
14	G	812	CLA	O1A-CGA-O2A-C1
14	a	812	CLA	O1A-CGA-O2A-C1
14	a	827	CLA	O1A-CGA-O2A-C1
14	b	816	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	C3-C5-C6-C7
14	G	840	CLA	C3-C5-C6-C7
14	B	804	CLA	C3-C5-C6-C7
14	H	804	CLA	C3-C5-C6-C7
14	b	805	CLA	C3-C5-C6-C7
14	A	818	CLA	C13-C15-C16-C17
14	B	820	CLA	C5-C6-C7-C8
16	A	847	BCR	C11-C10-C9-C8
16	A	849	BCR	C11-C10-C9-C8
16	G	846	BCR	C11-C10-C9-C8
16	G	848	BCR	C11-C10-C9-C8
16	a	849	BCR	C11-C10-C9-C8
16	H	847	BCR	C11-C10-C9-C8
16	J	1305	BCR	C11-C10-C9-C8
16	l	206	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
14	a	802	CLA	C2-C3-C5-C6
17	A	850	LHG	O7-C5-C6-O8
14	A	842	CLA	O1D-CGD-O2D-CED
14	B	806	CLA	CBA-CGA-O2A-C1
14	H	819	CLA	CBA-CGA-O2A-C1
14	H	829	CLA	CBA-CGA-O2A-C1
14	B	838	CLA	C5-C6-C7-C8
14	H	831	CLA	C13-C15-C16-C17
14	A	828	CLA	C2-C1-O2A-CGA
14	G	827	CLA	C2-C1-O2A-CGA
14	G	828	CLA	C2-C1-O2A-CGA
14	G	851	CLA	C2-C1-O2A-CGA
14	a	828	CLA	C2-C1-O2A-CGA
14	a	853	CLA	C2-C1-O2A-CGA
14	B	806	CLA	C2-C1-O2A-CGA
14	B	826	CLA	C2-C1-O2A-CGA
14	H	816	CLA	C2-C1-O2A-CGA
14	H	826	CLA	C2-C1-O2A-CGA
14	H	834	CLA	C2-C1-O2A-CGA
14	b	813	CLA	C2-C1-O2A-CGA
14	b	823	CLA	C2-C1-O2A-CGA
14	b	831	CLA	C2-C1-O2A-CGA
14	b	832	CLA	C2-C1-O2A-CGA
14	F	201	CLA	C2-C1-O2A-CGA
14	Q	201	CLA	C2-C1-O2A-CGA
14	A	832	CLA	C16-C17-C18-C20
14	G	840	CLA	C16-C17-C18-C20
14	a	840	CLA	C16-C17-C18-C19
14	B	824	CLA	C6-C7-C8-C10
14	B	841	CLA	C16-C17-C18-C20
14	H	824	CLA	C6-C7-C8-C9
14	b	808	CLA	C16-C17-C18-C19
14	b	809	CLA	C16-C17-C18-C19
14	b	821	CLA	C6-C7-C8-C9
14	b	831	CLA	C16-C17-C18-C19
14	F	201	CLA	C16-C17-C18-C19
14	Q	201	CLA	C16-C17-C18-C19
14	L	205	CLA	C16-C17-C18-C20
14	U	206	CLA	C16-C17-C18-C20
14	l	204	CLA	C16-C17-C18-C20
15	B	843	PQN	C26-C27-C28-C30
15	H	843	PQN	C26-C27-C28-C30

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Mol	Chain	Res	Type	Atoms
15	b	841	PQN	C26-C27-C28-C30
14	B	802	CLA	C15-C16-C17-C18
14	b	826	CLA	C13-C15-C16-C17
14	b	828	CLA	C13-C15-C16-C17
14	b	836	CLA	C5-C6-C7-C8
14	a	818	CLA	C15-C16-C17-C18
14	B	834	CLA	C8-C10-C11-C12
14	H	838	CLA	C5-C6-C7-C8
14	a	820	CLA	O1A-CGA-O2A-C1
14	B	819	CLA	O1A-CGA-O2A-C1
14	b	818	CLA	O1A-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
17	G	850	LHG	O1-C1-C2-O2
17	a	851	LHG	O1-C1-C2-O2
17	a	850	LHG	C26-C27-C28-C29
14	A	836	CLA	O1D-CGD-O2D-CED
14	A	836	CLA	C8-C10-C11-C12
14	a	838	CLA	C15-C16-C17-C18
14	H	802	CLA	C15-C16-C17-C18
14	A	803	CLA	C4B-C3B-CAB-CBB
14	A	806	CLA	C4B-C3B-CAB-CBB
14	A	811	CLA	C4B-C3B-CAB-CBB
14	A	816	CLA	C4B-C3B-CAB-CBB
14	A	819	CLA	C4B-C3B-CAB-CBB
14	A	825	CLA	C4B-C3B-CAB-CBB
14	A	852	CLA	C4B-C3B-CAB-CBB
14	G	811	CLA	C4B-C3B-CAB-CBB
14	G	821	CLA	C4B-C3B-CAB-CBB
14	G	825	CLA	C4B-C3B-CAB-CBB
14	G	851	CLA	C4B-C3B-CAB-CBB
14	a	803	CLA	C4B-C3B-CAB-CBB
14	a	811	CLA	C4B-C3B-CAB-CBB
14	a	825	CLA	C4B-C3B-CAB-CBB
14	a	836	CLA	C4B-C3B-CAB-CBB
14	a	852	CLA	C4B-C3B-CAB-CBB
14	a	853	CLA	C4B-C3B-CAB-CBB
14	B	806	CLA	C4B-C3B-CAB-CBB
14	B	813	CLA	C4B-C3B-CAB-CBB
14	B	815	CLA	C4B-C3B-CAB-CBB
14	H	802	CLA	C4B-C3B-CAB-CBB
14	H	805	CLA	C4B-C3B-CAB-CBB
14	H	815	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	H	819	CLA	C4B-C3B-CAB-CBB
14	H	824	CLA	C4B-C3B-CAB-CBB
14	H	826	CLA	C4B-C3B-CAB-CBB
14	H	829	CLA	C4B-C3B-CAB-CBB
14	b	802	CLA	C4B-C3B-CAB-CBB
14	b	816	CLA	C4B-C3B-CAB-CBB
14	b	821	CLA	C4B-C3B-CAB-CBB
14	b	823	CLA	C4B-C3B-CAB-CBB
14	b	826	CLA	C4B-C3B-CAB-CBB
14	A	819	CLA	C6-C7-C8-C9
14	A	839	CLA	C16-C17-C18-C20
14	G	819	CLA	C6-C7-C8-C9
14	a	819	CLA	C6-C7-C8-C9
14	a	819	CLA	C6-C7-C8-C10
14	a	840	CLA	C16-C17-C18-C20
14	B	809	CLA	C16-C17-C18-C19
14	B	809	CLA	C16-C17-C18-C20
14	B	824	CLA	C6-C7-C8-C9
14	B	841	CLA	C16-C17-C18-C19
14	H	808	CLA	C16-C17-C18-C19
14	H	809	CLA	C16-C17-C18-C20
14	H	812	CLA	C16-C17-C18-C20
14	H	841	CLA	C16-C17-C18-C20
14	b	806	CLA	C16-C17-C18-C20
14	b	809	CLA	C16-C17-C18-C20
14	b	839	CLA	C16-C17-C18-C20
14	L	205	CLA	C16-C17-C18-C19
14	U	206	CLA	C16-C17-C18-C19
14	l	204	CLA	C16-C17-C18-C19
14	G	812	CLA	C2A-CAA-CBA-CGA
14	a	812	CLA	C2A-CAA-CBA-CGA
14	B	824	CLA	C2A-CAA-CBA-CGA
14	b	840	CLA	C2A-CAA-CBA-CGA
14	A	825	CLA	C15-C16-C17-C18
14	A	852	CLA	C8-C10-C11-C12
14	G	839	CLA	C8-C10-C11-C12
14	a	825	CLA	C15-C16-C17-C18
14	B	811	CLA	C13-C15-C16-C17
14	B	829	CLA	C15-C16-C17-C18
14	B	831	CLA	C13-C15-C16-C17
14	b	808	CLA	C13-C15-C16-C17
14	b	840	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	A	850	LHG	C26-C27-C28-C29
17	G	849	LHG	C26-C27-C28-C29
17	a	850	LHG	C28-C29-C30-C31
14	b	826	CLA	CBA-CGA-O2A-C1
14	G	825	CLA	C15-C16-C17-C18
14	G	828	CLA	C8-C10-C11-C12
14	H	828	CLA	C13-C15-C16-C17
14	H	842	CLA	C8-C10-C11-C12
14	U	206	CLA	C8-C10-C11-C12
14	A	820	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	O1A-CGA-O2A-C1
14	A	802	CLA	C3A-C2A-CAA-CBA
14	A	804	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	C3A-C2A-CAA-CBA
14	A	826	CLA	C3A-C2A-CAA-CBA
14	G	802	CLA	C3A-C2A-CAA-CBA
14	G	804	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C3A-C2A-CAA-CBA
14	G	826	CLA	C3A-C2A-CAA-CBA
14	a	802	CLA	C3A-C2A-CAA-CBA
14	a	804	CLA	C3A-C2A-CAA-CBA
14	a	805	CLA	C3A-C2A-CAA-CBA
14	a	824	CLA	C3A-C2A-CAA-CBA
14	a	826	CLA	C3A-C2A-CAA-CBA
14	B	812	CLA	C3A-C2A-CAA-CBA
14	B	815	CLA	C3A-C2A-CAA-CBA
14	B	828	CLA	C3A-C2A-CAA-CBA
14	H	802	CLA	C3A-C2A-CAA-CBA
14	H	812	CLA	C3A-C2A-CAA-CBA
14	H	815	CLA	C3A-C2A-CAA-CBA
14	H	828	CLA	C3A-C2A-CAA-CBA
14	b	802	CLA	C3A-C2A-CAA-CBA
14	b	809	CLA	C3A-C2A-CAA-CBA
14	b	812	CLA	C3A-C2A-CAA-CBA
14	b	822	CLA	C3A-C2A-CAA-CBA
14	b	825	CLA	C3A-C2A-CAA-CBA
14	J	1302	CLA	C3A-C2A-CAA-CBA
14	S	101	CLA	C3A-C2A-CAA-CBA
14	j	1302	CLA	C3A-C2A-CAA-CBA
14	W	1701	CLA	C3A-C2A-CAA-CBA
14	X	1701	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	x	1701	CLA	C3A-C2A-CAA-CBA
14	a	834	CLA	O1D-CGD-O2D-CED
17	G	849	LHG	C28-C29-C30-C31
14	G	802	CLA	C2-C3-C5-C6
14	B	805	CLA	C2-C3-C5-C6
14	G	831	CLA	C13-C15-C16-C17
14	a	836	CLA	C8-C10-C11-C12
14	H	802	CLA	C5-C6-C7-C8
14	H	834	CLA	C8-C10-C11-C12
14	b	802	CLA	C15-C16-C17-C18
14	b	825	CLA	C13-C15-C16-C17
14	b	832	CLA	C8-C10-C11-C12
14	Q	201	CLA	C5-C6-C7-C8
14	A	813	CLA	O1D-CGD-O2D-CED
16	b	844	BCR	C19-C20-C21-C22
16	S	104	BCR	C9-C10-C11-C12
14	A	819	CLA	C6-C7-C8-C10
14	G	818	CLA	C16-C17-C18-C20
14	G	819	CLA	C6-C7-C8-C10
14	G	839	CLA	C16-C17-C18-C20
14	a	818	CLA	C16-C17-C18-C20
14	B	811	CLA	C16-C17-C18-C19
14	H	809	CLA	C16-C17-C18-C19
14	b	806	CLA	C16-C17-C18-C19
14	b	839	CLA	C16-C17-C18-C19
15	B	843	PQN	C26-C27-C28-C29
17	A	850	LHG	C28-C29-C30-C31
14	B	821	CLA	CBA-CGA-O2A-C1
14	B	829	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	C3-C5-C6-C7
14	G	824	CLA	O1D-CGD-O2D-CED
14	a	829	CLA	C5-C6-C7-C8
14	A	818	CLA	C16-C17-C18-C20
14	B	812	CLA	C16-C17-C18-C20
14	b	808	CLA	C16-C17-C18-C20
15	H	843	PQN	C26-C27-C28-C29
15	b	841	PQN	C26-C27-C28-C29
19	B	851	LMG	C28-C29-C30-C31
14	A	817	CLA	O1A-CGA-O2A-C1
14	a	817	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C2B-C3B-CAB-CBB
14	A	816	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	831	CLA	C2B-C3B-CAB-CBB
14	a	812	CLA	C2B-C3B-CAB-CBB
14	a	817	CLA	C2B-C3B-CAB-CBB
14	B	802	CLA	C2B-C3B-CAB-CBB
14	B	813	CLA	C2B-C3B-CAB-CBB
14	B	819	CLA	C2B-C3B-CAB-CBB
14	B	835	CLA	C2B-C3B-CAB-CBB
14	B	838	CLA	C2B-C3B-CAB-CBB
14	H	813	CLA	C2B-C3B-CAB-CBB
14	H	826	CLA	C2B-C3B-CAB-CBB
14	H	835	CLA	C2B-C3B-CAB-CBB
14	b	810	CLA	C2B-C3B-CAB-CBB
14	b	823	CLA	C2B-C3B-CAB-CBB
14	b	833	CLA	C2B-C3B-CAB-CBB
14	R	101	CLA	C2B-C3B-CAB-CBB
14	L	201	CLA	C2B-C3B-CAB-CBB
14	U	201	CLA	C2B-C3B-CAB-CBB
14	W	1701	CLA	C2B-C3B-CAB-CBB
14	X	1701	CLA	C2B-C3B-CAB-CBB
16	A	844	BCR	C1-C6-C7-C8
16	A	844	BCR	C5-C6-C7-C8
16	A	845	BCR	C1-C6-C7-C8
16	A	845	BCR	C5-C6-C7-C8
16	A	846	BCR	C1-C6-C7-C8
16	A	846	BCR	C5-C6-C7-C8
16	A	848	BCR	C1-C6-C7-C8
16	A	848	BCR	C5-C6-C7-C8
16	G	843	BCR	C1-C6-C7-C8
16	G	843	BCR	C5-C6-C7-C8
16	G	844	BCR	C1-C6-C7-C8
16	G	845	BCR	C1-C6-C7-C8
16	G	845	BCR	C5-C6-C7-C8
16	G	847	BCR	C1-C6-C7-C8
16	G	847	BCR	C5-C6-C7-C8
16	a	844	BCR	C1-C6-C7-C8
16	a	844	BCR	C5-C6-C7-C8
16	a	845	BCR	C1-C6-C7-C8
16	a	845	BCR	C5-C6-C7-C8
16	a	846	BCR	C1-C6-C7-C8
16	a	846	BCR	C5-C6-C7-C8
16	a	848	BCR	C1-C6-C7-C8
16	a	848	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	B	846	BCR	C23-C24-C25-C26
16	B	846	BCR	C23-C24-C25-C30
16	B	847	BCR	C23-C24-C25-C30
16	H	846	BCR	C23-C24-C25-C26
16	H	846	BCR	C23-C24-C25-C30
16	H	847	BCR	C23-C24-C25-C30
16	b	844	BCR	C23-C24-C25-C26
16	b	844	BCR	C23-C24-C25-C30
16	b	845	BCR	C5-C6-C7-C8
16	b	845	BCR	C23-C24-C25-C30
16	J	1304	BCR	C1-C6-C7-C8
16	J	1304	BCR	C5-C6-C7-C8
16	J	1305	BCR	C1-C6-C7-C8
16	J	1305	BCR	C23-C24-C25-C30
16	S	103	BCR	C1-C6-C7-C8
16	S	103	BCR	C5-C6-C7-C8
16	S	104	BCR	C1-C6-C7-C8
16	S	104	BCR	C5-C6-C7-C8
16	S	104	BCR	C23-C24-C25-C30
16	j	1304	BCR	C1-C6-C7-C8
16	j	1304	BCR	C5-C6-C7-C8
16	j	1305	BCR	C1-C6-C7-C8
16	j	1305	BCR	C5-C6-C7-C8
16	j	1305	BCR	C23-C24-C25-C30
16	L	207	BCR	C23-C24-C25-C30
16	l	206	BCR	C23-C24-C25-C30
14	a	839	CLA	CBA-CGA-O2A-C1
14	b	802	CLA	C5-C6-C7-C8
14	l	204	CLA	C8-C10-C11-C12
14	A	839	CLA	C3-C5-C6-C7
14	B	808	CLA	C3-C5-C6-C7
14	H	808	CLA	C3-C5-C6-C7
17	G	849	LHG	C13-C14-C15-C16
17	A	850	LHG	C13-C14-C15-C16
17	a	850	LHG	C13-C14-C15-C16
14	A	817	CLA	C2A-CAA-CBA-CGA
14	A	852	CLA	C2A-CAA-CBA-CGA
14	G	807	CLA	C2A-CAA-CBA-CGA
14	a	807	CLA	C2A-CAA-CBA-CGA
14	a	817	CLA	C2A-CAA-CBA-CGA
14	B	833	CLA	C2A-CAA-CBA-CGA
14	H	824	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	H	833	CLA	C2A-CAA-CBA-CGA
14	b	830	CLA	C2A-CAA-CBA-CGA
14	b	839	CLA	C2A-CAA-CBA-CGA
14	J	1302	CLA	C2A-CAA-CBA-CGA
14	W	1701	CLA	C2A-CAA-CBA-CGA
14	L	205	CLA	C8-C10-C11-C12
14	A	838	CLA	O1A-CGA-O2A-C1
14	G	851	CLA	O1A-CGA-O2A-C1
14	a	853	CLA	O1A-CGA-O2A-C1
14	H	819	CLA	O1A-CGA-O2A-C1
14	H	829	CLA	O1A-CGA-O2A-C1
14	a	842	CLA	C4C-C3C-CAC-CBC
16	f	201	BCR	C10-C11-C12-C13
16	J	1304	BCR	C10-C11-C12-C13
16	S	103	BCR	C10-C11-C12-C13
16	j	1304	BCR	C10-C11-C12-C13
16	L	209	BCR	C10-C11-C12-C13
16	U	203	BCR	C10-C11-C12-C13
16	V	1602	BCR	C10-C11-C12-C13
16	m	1203	BCR	C10-C11-C12-C13
14	G	829	CLA	C5-C6-C7-C8
14	A	802	CLA	C2-C3-C5-C6
14	B	824	CLA	C2-C3-C5-C6
14	G	840	CLA	C16-C17-C18-C19
19	H	851	LMG	C28-C29-C30-C31
14	A	828	CLA	CBA-CGA-O2A-C1
14	G	828	CLA	CBA-CGA-O2A-C1
14	G	838	CLA	CBA-CGA-O2A-C1
14	a	828	CLA	CBA-CGA-O2A-C1
14	b	812	CLA	C11-C12-C13-C14
14	H	811	CLA	C13-C15-C16-C17
14	H	841	CLA	C13-C15-C16-C17
14	A	807	CLA	C5-C6-C7-C8
14	G	807	CLA	C5-C6-C7-C8
14	B	804	CLA	C15-C16-C17-C18
14	b	815	CLA	C5-C6-C7-C8
14	b	826	CLA	C15-C16-C17-C18
14	B	806	CLA	O1A-CGA-O2A-C1
17	G	849	LHG	C29-C30-C31-C32
17	A	850	LHG	C29-C30-C31-C32
14	H	809	CLA	C3-C5-C6-C7
16	A	849	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
16	B	849	BCR	C19-C20-C21-C22
16	H	844	BCR	C19-C20-C21-C22
16	j	1305	BCR	C9-C10-C11-C12
14	a	841	CLA	C16-C17-C18-C20
14	B	808	CLA	C16-C17-C18-C19
14	F	201	CLA	C16-C17-C18-C20
14	Q	201	CLA	C16-C17-C18-C20
17	a	850	LHG	C29-C30-C31-C32
14	A	832	CLA	C13-C15-C16-C17
14	a	807	CLA	C5-C6-C7-C8
14	H	829	CLA	C15-C16-C17-C18
14	B	802	CLA	C5-C6-C7-C8
15	A	843	PQN	C15-C16-C17-C18
16	A	849	BCR	C37-C22-C23-C24
16	H	846	BCR	C11-C12-C13-C35
16	b	845	BCR	C36-C18-C19-C20
16	U	202	BCR	C11-C12-C13-C35
14	b	806	CLA	C3-C5-C6-C7
16	B	846	BCR	C7-C8-C9-C10
16	H	846	BCR	C7-C8-C9-C10
16	H	852	BCR	C17-C18-C19-C20
16	b	843	BCR	C11-C12-C13-C14
16	J	1304	BCR	C21-C22-C23-C24
16	S	103	BCR	C21-C22-C23-C24
16	j	1304	BCR	C21-C22-C23-C24
14	U	206	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	C16-C17-C18-C19
14	G	818	CLA	C16-C17-C18-C19
14	G	831	CLA	C16-C17-C18-C20
14	G	832	CLA	C16-C17-C18-C20
14	G	839	CLA	C16-C17-C18-C19
14	a	818	CLA	C16-C17-C18-C19
14	a	832	CLA	C16-C17-C18-C19
14	a	832	CLA	C16-C17-C18-C20
14	B	811	CLA	C16-C17-C18-C20
14	H	808	CLA	C16-C17-C18-C20
14	a	839	CLA	O1A-CGA-O2A-C1
14	B	821	CLA	O1A-CGA-O2A-C1
14	b	826	CLA	O1A-CGA-O2A-C1
14	A	829	CLA	C5-C6-C7-C8
14	B	841	CLA	C8-C10-C11-C12
14	B	842	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	H	804	CLA	C15-C16-C17-C18
14	b	809	CLA	C13-C15-C16-C17
14	l	205	CLA	C10-C11-C12-C13
19	B	851	LMG	O6-C5-C6-O5
19	H	851	LMG	O6-C5-C6-O5
19	b	849	LMG	O6-C5-C6-O5
14	A	834	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	C15-C16-C17-C18
14	G	829	CLA	C10-C11-C12-C13
14	a	824	CLA	O1D-CGD-O2D-CED
14	B	828	CLA	C13-C15-C16-C17
14	B	839	CLA	C15-C16-C17-C18
14	b	839	CLA	C8-C10-C11-C12
14	U	207	CLA	C10-C11-C12-C13
14	G	839	CLA	C3-C5-C6-C7
14	a	840	CLA	C3-C5-C6-C7
14	H	824	CLA	C3-C5-C6-C7
17	a	850	LHG	O7-C5-C6-O8
14	a	804	CLA	O1D-CGD-O2D-CED
14	B	829	CLA	O1A-CGA-O2A-C1
17	G	850	LHG	C11-C10-C9-C8
14	B	812	CLA	C13-C15-C16-C17
14	L	206	CLA	C10-C11-C12-C13
14	A	832	CLA	C16-C17-C18-C19
14	H	811	CLA	C16-C17-C18-C20
14	b	831	CLA	C16-C17-C18-C20
14	A	812	CLA	C8-C10-C11-C12
14	H	841	CLA	C8-C10-C11-C12
14	a	827	CLA	C4-C3-C5-C6
14	G	820	CLA	C3-C5-C6-C7
14	H	806	CLA	C3-C5-C6-C7
14	G	834	CLA	C2A-CAA-CBA-CGA
14	a	834	CLA	C2A-CAA-CBA-CGA
14	B	841	CLA	C2A-CAA-CBA-CGA
14	H	841	CLA	C2A-CAA-CBA-CGA
14	b	821	CLA	C2A-CAA-CBA-CGA
14	S	101	CLA	C2A-CAA-CBA-CGA
14	A	824	CLA	O1D-CGD-O2D-CED
14	H	812	CLA	C13-C15-C16-C17
14	a	828	CLA	O1A-CGA-O2A-C1
14	b	812	CLA	C3-C5-C6-C7
14	A	802	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	807	CLA	C1A-C2A-CAA-CBA
14	A	808	CLA	C1A-C2A-CAA-CBA
14	A	811	CLA	C1A-C2A-CAA-CBA
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	815	CLA	C1A-C2A-CAA-CBA
14	A	817	CLA	C1A-C2A-CAA-CBA
14	A	820	CLA	C1A-C2A-CAA-CBA
14	A	823	CLA	C1A-C2A-CAA-CBA
14	A	826	CLA	C1A-C2A-CAA-CBA
14	A	829	CLA	C1A-C2A-CAA-CBA
14	A	832	CLA	C1A-C2A-CAA-CBA
14	A	837	CLA	C1A-C2A-CAA-CBA
14	G	802	CLA	C1A-C2A-CAA-CBA
14	G	804	CLA	C1A-C2A-CAA-CBA
14	G	807	CLA	C1A-C2A-CAA-CBA
14	G	808	CLA	C1A-C2A-CAA-CBA
14	G	814	CLA	C1A-C2A-CAA-CBA
14	G	815	CLA	C1A-C2A-CAA-CBA
14	G	817	CLA	C1A-C2A-CAA-CBA
14	G	820	CLA	C1A-C2A-CAA-CBA
14	G	823	CLA	C1A-C2A-CAA-CBA
14	G	826	CLA	C1A-C2A-CAA-CBA
14	G	829	CLA	C1A-C2A-CAA-CBA
14	G	832	CLA	C1A-C2A-CAA-CBA
14	G	837	CLA	C1A-C2A-CAA-CBA
14	a	802	CLA	C1A-C2A-CAA-CBA
14	a	804	CLA	C1A-C2A-CAA-CBA
14	a	807	CLA	C1A-C2A-CAA-CBA
14	a	808	CLA	C1A-C2A-CAA-CBA
14	a	811	CLA	C1A-C2A-CAA-CBA
14	a	813	CLA	C1A-C2A-CAA-CBA
14	a	814	CLA	C1A-C2A-CAA-CBA
14	a	815	CLA	C1A-C2A-CAA-CBA
14	a	817	CLA	C1A-C2A-CAA-CBA
14	a	820	CLA	C1A-C2A-CAA-CBA
14	a	823	CLA	C1A-C2A-CAA-CBA
14	a	826	CLA	C1A-C2A-CAA-CBA
14	a	829	CLA	C1A-C2A-CAA-CBA
14	a	832	CLA	C1A-C2A-CAA-CBA
14	a	837	CLA	C1A-C2A-CAA-CBA
14	B	803	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B	813	CLA	C1A-C2A-CAA-CBA
14	B	814	CLA	C1A-C2A-CAA-CBA
14	B	816	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	C1A-C2A-CAA-CBA
14	B	821	CLA	C1A-C2A-CAA-CBA
14	B	823	CLA	C1A-C2A-CAA-CBA
14	B	829	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C1A-C2A-CAA-CBA
14	B	832	CLA	C1A-C2A-CAA-CBA
14	B	840	CLA	C1A-C2A-CAA-CBA
14	H	803	CLA	C1A-C2A-CAA-CBA
14	H	813	CLA	C1A-C2A-CAA-CBA
14	H	814	CLA	C1A-C2A-CAA-CBA
14	H	816	CLA	C1A-C2A-CAA-CBA
14	H	818	CLA	C1A-C2A-CAA-CBA
14	H	821	CLA	C1A-C2A-CAA-CBA
14	H	823	CLA	C1A-C2A-CAA-CBA
14	H	831	CLA	C1A-C2A-CAA-CBA
14	H	832	CLA	C1A-C2A-CAA-CBA
14	H	840	CLA	C1A-C2A-CAA-CBA
14	b	803	CLA	C1A-C2A-CAA-CBA
14	b	805	CLA	C1A-C2A-CAA-CBA
14	b	810	CLA	C1A-C2A-CAA-CBA
14	b	811	CLA	C1A-C2A-CAA-CBA
14	b	813	CLA	C1A-C2A-CAA-CBA
14	b	815	CLA	C1A-C2A-CAA-CBA
14	b	818	CLA	C1A-C2A-CAA-CBA
14	b	820	CLA	C1A-C2A-CAA-CBA
14	b	826	CLA	C1A-C2A-CAA-CBA
14	b	828	CLA	C1A-C2A-CAA-CBA
14	b	829	CLA	C1A-C2A-CAA-CBA
14	b	838	CLA	C1A-C2A-CAA-CBA
14	J	1302	CLA	C1A-C2A-CAA-CBA
14	j	1302	CLA	C1A-C2A-CAA-CBA
14	K	1401	CLA	C1A-C2A-CAA-CBA
14	T	102	CLA	C1A-C2A-CAA-CBA
14	k	102	CLA	C1A-C2A-CAA-CBA
14	L	205	CLA	C1A-C2A-CAA-CBA
14	U	206	CLA	C1A-C2A-CAA-CBA
14	l	204	CLA	C1A-C2A-CAA-CBA
14	B	828	CLA	C5-C6-C7-C8
14	H	830	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	a	851	LHG	C11-C10-C9-C8
14	G	838	CLA	O1A-CGA-O2A-C1
17	A	851	LHG	C11-C10-C9-C8
14	A	831	CLA	C13-C15-C16-C17
14	G	812	CLA	C8-C10-C11-C12
14	G	804	CLA	CBD-CGD-O2D-CED
13	a	801	CL0	C11-C12-C13-C15
14	A	804	CLA	C11-C10-C8-C7
14	A	805	CLA	C11-C12-C13-C15
14	A	807	CLA	C11-C10-C8-C7
14	A	808	CLA	C11-C12-C13-C15
14	A	825	CLA	C12-C13-C15-C16
14	A	828	CLA	C12-C13-C15-C16
14	A	832	CLA	C12-C13-C15-C16
14	A	836	CLA	C11-C12-C13-C15
14	G	804	CLA	C11-C10-C8-C7
14	G	805	CLA	C11-C12-C13-C15
14	G	807	CLA	C11-C10-C8-C7
14	G	808	CLA	C11-C12-C13-C15
14	G	825	CLA	C12-C13-C15-C16
14	G	828	CLA	C11-C12-C13-C15
14	G	828	CLA	C12-C13-C15-C16
14	G	832	CLA	C12-C13-C15-C16
14	G	836	CLA	C11-C12-C13-C15
14	a	804	CLA	C11-C10-C8-C7
14	a	805	CLA	C11-C12-C13-C15
14	a	807	CLA	C11-C10-C8-C7
14	a	808	CLA	C11-C12-C13-C15
14	a	825	CLA	C12-C13-C15-C16
14	a	828	CLA	C12-C13-C15-C16
14	a	832	CLA	C12-C13-C15-C16
14	a	836	CLA	C11-C12-C13-C15
14	a	838	CLA	C12-C13-C15-C16
14	B	808	CLA	C12-C13-C15-C16
14	B	815	CLA	C6-C7-C8-C10
14	B	842	CLA	C12-C13-C15-C16
14	H	828	CLA	C11-C12-C13-C15
14	H	842	CLA	C12-C13-C15-C16
14	b	825	CLA	C11-C12-C13-C15
14	b	840	CLA	C12-C13-C15-C16
14	A	840	CLA	C16-C17-C18-C20
14	A	828	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	G	849	LHG	C24-C23-O8-C6
14	A	842	CLA	C4C-C3C-CAC-CBC
14	H	821	CLA	C10-C11-C12-C13
14	b	827	CLA	C10-C11-C12-C13
19	b	849	LMG	C28-C29-C30-C31
14	H	830	CLA	C4-C3-C5-C6
14	a	823	CLA	C2-C3-C5-C6
14	H	830	CLA	C2-C3-C5-C6
14	b	827	CLA	C2-C3-C5-C6
14	G	828	CLA	O1A-CGA-O2A-C1
14	G	828	CLA	C5-C6-C7-C8
14	a	812	CLA	C8-C10-C11-C12
14	B	821	CLA	C10-C11-C12-C13
14	B	830	CLA	C10-C11-C12-C13
14	a	838	CLA	CBD-CGD-O2D-CED
14	A	834	CLA	C2A-CAA-CBA-CGA
14	j	1302	CLA	C2A-CAA-CBA-CGA
14	A	804	CLA	C11-C10-C8-C9
14	A	807	CLA	C11-C10-C8-C9
14	A	808	CLA	C11-C12-C13-C14
14	A	826	CLA	C11-C10-C8-C9
14	A	828	CLA	C11-C12-C13-C14
14	A	832	CLA	C14-C13-C15-C16
14	G	804	CLA	C11-C10-C8-C9
14	G	807	CLA	C11-C10-C8-C9
14	G	808	CLA	C11-C12-C13-C14
14	G	826	CLA	C11-C10-C8-C9
14	a	808	CLA	C11-C12-C13-C14
14	a	824	CLA	C14-C13-C15-C16
14	a	826	CLA	C11-C10-C8-C9
14	B	804	CLA	C14-C13-C15-C16
14	B	808	CLA	C14-C13-C15-C16
14	B	815	CLA	C6-C7-C8-C9
14	B	828	CLA	C11-C12-C13-C14
14	B	830	CLA	C14-C13-C15-C16
14	B	842	CLA	C14-C13-C15-C16
14	H	804	CLA	C14-C13-C15-C16
14	H	815	CLA	C6-C7-C8-C9
14	H	815	CLA	C11-C12-C13-C14
14	H	830	CLA	C14-C13-C15-C16
14	H	842	CLA	C11-C12-C13-C14
14	H	842	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	b	827	CLA	C14-C13-C15-C16
14	b	840	CLA	C11-C12-C13-C14
14	b	840	CLA	C14-C13-C15-C16
16	B	846	BCR	C19-C20-C21-C22
16	b	847	BCR	C19-C20-C21-C22
14	G	831	CLA	C10-C11-C12-C13
14	a	831	CLA	C8-C10-C11-C12
17	G	849	LHG	C4-C5-C6-O8
14	H	804	CLA	CBD-CGD-O2D-CED
14	a	826	CLA	C15-C16-C17-C18
14	b	826	CLA	C8-C10-C11-C12
17	A	850	LHG	C24-C23-O8-C6
17	a	850	LHG	C24-C23-O8-C6
14	G	831	CLA	C16-C17-C18-C19
14	G	832	CLA	C16-C17-C18-C19
14	a	841	CLA	C16-C17-C18-C19
16	L	207	BCR	C11-C10-C9-C34
14	H	804	CLA	C8-C10-C11-C12
14	H	818	CLA	C5-C6-C7-C8
14	B	805	CLA	C3-C5-C6-C7
14	b	827	CLA	C4-C3-C5-C6
14	H	831	CLA	C8-C10-C11-C12
14	b	818	CLA	C10-C11-C12-C13
16	G	848	BCR	C21-C22-C23-C24
16	B	845	BCR	C11-C12-C13-C14
16	B	852	BCR	C17-C18-C19-C20
16	b	845	BCR	C17-C18-C19-C20
14	H	842	CLA	C2A-CAA-CBA-CGA
14	A	827	CLA	O2A-C1-C2-C3
14	G	827	CLA	O2A-C1-C2-C3
14	a	827	CLA	O2A-C1-C2-C3
14	a	852	CLA	O2A-C1-C2-C3
14	H	805	CLA	O2A-C1-C2-C3
14	A	805	CLA	C10-C11-C12-C13
14	G	832	CLA	C13-C15-C16-C17
14	a	832	CLA	C13-C15-C16-C17
14	B	804	CLA	C8-C10-C11-C12
16	A	846	BCR	C9-C10-C11-C12
16	G	845	BCR	C9-C10-C11-C12
16	G	848	BCR	C19-C20-C21-C22
16	H	849	BCR	C19-C20-C21-C22
14	A	840	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	B	808	CLA	C16-C17-C18-C20
17	G	849	LHG	O10-C23-O8-C6
14	a	820	CLA	C3-C5-C6-C7
16	U	208	BCR	C11-C10-C9-C8
14	H	838	CLA	C8-C10-C11-C12
14	A	823	CLA	C2-C3-C5-C6
14	B	830	CLA	C2-C3-C5-C6
14	H	815	CLA	C2-C3-C5-C6
14	L	204	CLA	C2-C3-C5-C6
14	A	831	CLA	C16-C17-C18-C20
19	B	851	LMG	O7-C8-C9-O8
14	B	826	CLA	CBA-CGA-O2A-C1
14	b	823	CLA	CBA-CGA-O2A-C1
14	b	837	CLA	C15-C16-C17-C18
14	G	831	CLA	C8-C10-C11-C12
14	a	838	CLA	C8-C10-C11-C12
14	A	805	CLA	CBA-CGA-O2A-C1
14	G	805	CLA	CBA-CGA-O2A-C1
14	a	805	CLA	CBA-CGA-O2A-C1
14	H	812	CLA	CBA-CGA-O2A-C1
14	a	802	CLA	C13-C15-C16-C17
14	G	802	CLA	C13-C15-C16-C17
14	a	831	CLA	C10-C11-C12-C13
14	H	830	CLA	C13-C15-C16-C17
14	G	826	CLA	C4-C3-C5-C6
14	a	826	CLA	C4-C3-C5-C6
14	B	802	CLA	C4-C3-C5-C6
14	B	811	CLA	C4-C3-C5-C6
14	B	815	CLA	C4-C3-C5-C6
14	B	830	CLA	C4-C3-C5-C6
14	H	811	CLA	C4-C3-C5-C6
14	H	815	CLA	C4-C3-C5-C6
14	b	802	CLA	C4-C3-C5-C6
14	L	204	CLA	C4-C3-C5-C6
14	l	203	CLA	C4-C3-C5-C6
14	G	823	CLA	C2-C3-C5-C6
14	B	812	CLA	CBA-CGA-O2A-C1
14	H	826	CLA	CBA-CGA-O2A-C1
17	A	850	LHG	C9-C10-C11-C12
13	a	801	CL0	C11-C12-C13-C14
14	A	805	CLA	C11-C12-C13-C14
14	A	824	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	A	825	CLA	C14-C13-C15-C16
14	A	836	CLA	C11-C12-C13-C14
14	G	804	CLA	C6-C7-C8-C9
14	G	805	CLA	C11-C12-C13-C14
14	G	824	CLA	C14-C13-C15-C16
14	G	825	CLA	C14-C13-C15-C16
14	G	828	CLA	C11-C12-C13-C14
14	G	828	CLA	C14-C13-C15-C16
14	G	832	CLA	C14-C13-C15-C16
14	G	836	CLA	C11-C12-C13-C14
14	a	804	CLA	C11-C10-C8-C9
14	a	805	CLA	C11-C12-C13-C14
14	a	807	CLA	C11-C10-C8-C9
14	a	828	CLA	C11-C12-C13-C14
14	a	832	CLA	C14-C13-C15-C16
14	a	836	CLA	C11-C12-C13-C14
14	a	838	CLA	C14-C13-C15-C16
14	B	815	CLA	C11-C12-C13-C14
14	B	816	CLA	C14-C13-C15-C16
14	B	842	CLA	C11-C12-C13-C14
14	H	816	CLA	C14-C13-C15-C16
14	H	828	CLA	C11-C12-C13-C14
14	b	805	CLA	C14-C13-C15-C16
14	b	812	CLA	C6-C7-C8-C9
14	b	825	CLA	C11-C12-C13-C14
14	L	205	CLA	C11-C10-C8-C9
14	U	206	CLA	C11-C10-C8-C9
14	l	204	CLA	C11-C10-C8-C9
14	a	803	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	C5-C6-C7-C8
14	B	830	CLA	C13-C15-C16-C17
14	b	827	CLA	C13-C15-C16-C17
14	A	802	CLA	C4B-C3B-CAB-CBB
14	A	805	CLA	C4B-C3B-CAB-CBB
14	A	807	CLA	C4B-C3B-CAB-CBB
14	A	809	CLA	C4B-C3B-CAB-CBB
14	A	810	CLA	C4B-C3B-CAB-CBB
14	A	813	CLA	C4B-C3B-CAB-CBB
14	A	814	CLA	C4B-C3B-CAB-CBB
14	A	815	CLA	C4B-C3B-CAB-CBB
14	A	820	CLA	C4B-C3B-CAB-CBB
14	A	821	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	836	CLA	C4B-C3B-CAB-CBB
14	G	803	CLA	C4B-C3B-CAB-CBB
14	G	806	CLA	C4B-C3B-CAB-CBB
14	G	807	CLA	C4B-C3B-CAB-CBB
14	G	810	CLA	C4B-C3B-CAB-CBB
14	G	813	CLA	C4B-C3B-CAB-CBB
14	G	814	CLA	C4B-C3B-CAB-CBB
14	G	815	CLA	C4B-C3B-CAB-CBB
14	G	819	CLA	C4B-C3B-CAB-CBB
14	G	820	CLA	C4B-C3B-CAB-CBB
14	G	836	CLA	C4B-C3B-CAB-CBB
14	a	802	CLA	C4B-C3B-CAB-CBB
14	a	804	CLA	C4B-C3B-CAB-CBB
14	a	806	CLA	C4B-C3B-CAB-CBB
14	a	807	CLA	C4B-C3B-CAB-CBB
14	a	810	CLA	C4B-C3B-CAB-CBB
14	a	813	CLA	C4B-C3B-CAB-CBB
14	a	814	CLA	C4B-C3B-CAB-CBB
14	a	815	CLA	C4B-C3B-CAB-CBB
14	a	819	CLA	C4B-C3B-CAB-CBB
14	a	820	CLA	C4B-C3B-CAB-CBB
14	a	821	CLA	C4B-C3B-CAB-CBB
14	B	809	CLA	C4B-C3B-CAB-CBB
14	B	816	CLA	C4B-C3B-CAB-CBB
14	B	821	CLA	C4B-C3B-CAB-CBB
14	B	824	CLA	C4B-C3B-CAB-CBB
14	B	829	CLA	C4B-C3B-CAB-CBB
14	B	833	CLA	C4B-C3B-CAB-CBB
14	B	840	CLA	C4B-C3B-CAB-CBB
14	H	809	CLA	C4B-C3B-CAB-CBB
14	H	833	CLA	C4B-C3B-CAB-CBB
14	b	806	CLA	C4B-C3B-CAB-CBB
14	b	812	CLA	C4B-C3B-CAB-CBB
14	b	830	CLA	C4B-C3B-CAB-CBB
14	b	838	CLA	C4B-C3B-CAB-CBB
14	J	1303	CLA	C4B-C3B-CAB-CBB
14	S	102	CLA	C4B-C3B-CAB-CBB
14	j	1303	CLA	C4B-C3B-CAB-CBB
14	L	205	CLA	C4B-C3B-CAB-CBB
14	U	206	CLA	C4B-C3B-CAB-CBB
14	l	204	CLA	C4B-C3B-CAB-CBB
17	a	850	LHG	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	A	831	CLA	C8-C10-C11-C12
14	b	836	CLA	C8-C10-C11-C12
15	G	842	PQN	C15-C16-C17-C18
14	G	841	CLA	C2C-C3C-CAC-CBC
17	G	849	LHG	C11-C10-C9-C8
14	b	821	CLA	C3-C5-C6-C7
14	G	817	CLA	CAA-CBA-CGA-O2A
14	G	828	CLA	CAA-CBA-CGA-O2A
14	A	805	CLA	C12-C13-C15-C16
14	A	812	CLA	C11-C10-C8-C7
14	A	826	CLA	C11-C10-C8-C7
14	A	828	CLA	C11-C12-C13-C15
14	G	812	CLA	C11-C10-C8-C7
14	G	824	CLA	C12-C13-C15-C16
14	G	826	CLA	C11-C10-C8-C7
14	a	812	CLA	C11-C10-C8-C7
14	a	824	CLA	C12-C13-C15-C16
14	a	826	CLA	C11-C10-C8-C7
14	a	828	CLA	C11-C12-C13-C15
14	B	804	CLA	C12-C13-C15-C16
14	B	809	CLA	C6-C7-C8-C10
14	B	815	CLA	C11-C10-C8-C7
14	B	816	CLA	C12-C13-C15-C16
14	B	828	CLA	C11-C12-C13-C15
14	B	830	CLA	C12-C13-C15-C16
14	B	839	CLA	C11-C12-C13-C15
14	B	842	CLA	C11-C12-C13-C15
14	H	804	CLA	C12-C13-C15-C16
14	H	809	CLA	C6-C7-C8-C10
14	H	815	CLA	C6-C7-C8-C10
14	H	830	CLA	C12-C13-C15-C16
14	H	839	CLA	C11-C12-C13-C15
14	H	842	CLA	C11-C12-C13-C15
14	b	805	CLA	C12-C13-C15-C16
14	b	806	CLA	C6-C7-C8-C10
14	b	812	CLA	C6-C7-C8-C10
14	b	827	CLA	C12-C13-C15-C16
14	b	840	CLA	C11-C12-C13-C15
14	F	201	CLA	C6-C7-C8-C10
14	L	204	CLA	C11-C10-C8-C7
14	L	205	CLA	C11-C10-C8-C7
14	U	205	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	U	206	CLA	C11-C10-C8-C7
14	l	204	CLA	C11-C10-C8-C7
14	A	831	CLA	C10-C11-C12-C13
14	G	826	CLA	C15-C16-C17-C18
14	B	838	CLA	C8-C10-C11-C12
17	A	850	LHG	O10-C23-O8-C6
14	A	802	CLA	C13-C15-C16-C17
14	A	810	CLA	C3A-C2A-CAA-CBA
14	A	820	CLA	C4-C3-C5-C6
14	A	827	CLA	C3A-C2A-CAA-CBA
14	G	824	CLA	C3A-C2A-CAA-CBA
14	G	827	CLA	C3A-C2A-CAA-CBA
14	G	832	CLA	C4-C3-C5-C6
14	a	827	CLA	C3A-C2A-CAA-CBA
14	B	808	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	C3A-C2A-CAA-CBA
14	B	834	CLA	C3A-C2A-CAA-CBA
14	H	808	CLA	C3A-C2A-CAA-CBA
14	H	818	CLA	C3A-C2A-CAA-CBA
14	H	834	CLA	C3A-C2A-CAA-CBA
14	b	805	CLA	C3A-C2A-CAA-CBA
14	b	808	CLA	C4-C3-C5-C6
14	b	815	CLA	C3A-C2A-CAA-CBA
14	b	831	CLA	C3A-C2A-CAA-CBA
14	b	832	CLA	C3A-C2A-CAA-CBA
14	F	201	CLA	C3A-C2A-CAA-CBA
14	Q	201	CLA	C3A-C2A-CAA-CBA
14	A	829	CLA	C10-C11-C12-C13
14	H	839	CLA	C15-C16-C17-C18
14	b	833	CLA	O1D-CGD-O2D-CED
14	l	203	CLA	C2-C3-C5-C6
14	G	826	CLA	C8-C10-C11-C12
14	a	831	CLA	C13-C15-C16-C17
14	H	835	CLA	O1D-CGD-O2D-CED
16	a	849	BCR	C19-C20-C21-C22
16	B	849	BCR	C9-C10-C11-C12
16	H	850	BCR	C9-C10-C11-C12
16	b	848	BCR	C9-C10-C11-C12
16	R	102	BCR	C9-C10-C11-C12
16	i	101	BCR	C9-C10-C11-C12
16	b	843	BCR	C36-C18-C19-C20
14	H	826	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	a	850	LHG	O10-C23-O8-C6
17	G	849	LHG	C9-C10-C11-C12
14	a	813	CLA	O1D-CGD-O2D-CED
14	b	809	CLA	CBA-CGA-O2A-C1
17	A	850	LHG	C4-C5-C6-O8
17	a	850	LHG	C4-C5-C6-O8
14	B	803	CLA	C3-C5-C6-C7
14	B	824	CLA	C3-C5-C6-C7
14	b	807	CLA	C3-C5-C6-C7
14	A	831	CLA	C16-C17-C18-C19
14	B	838	CLA	C11-C12-C13-C14
14	b	805	CLA	C16-C17-C18-C19
14	a	805	CLA	C10-C11-C12-C13
14	a	829	CLA	C10-C11-C12-C13
14	A	823	CLA	C4-C3-C5-C6
14	G	823	CLA	C4-C3-C5-C6
14	a	823	CLA	C4-C3-C5-C6
14	U	205	CLA	C4-C3-C5-C6
17	A	850	LHG	C11-C10-C9-C8
14	G	826	CLA	C2-C3-C5-C6
14	G	832	CLA	C2-C3-C5-C6
14	a	826	CLA	C2-C3-C5-C6
14	H	811	CLA	C2-C3-C5-C6
14	b	802	CLA	C2-C3-C5-C6
14	a	826	CLA	C8-C10-C11-C12
14	B	835	CLA	CBD-CGD-O2D-CED
13	a	801	CL0	C16-C17-C18-C19
14	H	812	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	C2B-C3B-CAB-CBB
16	G	844	BCR	C5-C6-C7-C8
16	B	844	BCR	C23-C24-C25-C30
16	B	847	BCR	C1-C6-C7-C8
16	B	850	BCR	C23-C24-C25-C30
16	H	844	BCR	C23-C24-C25-C30
16	H	847	BCR	C1-C6-C7-C8
16	H	847	BCR	C5-C6-C7-C8
16	H	850	BCR	C23-C24-C25-C30
16	H	852	BCR	C1-C6-C7-C8
16	b	842	BCR	C23-C24-C25-C30
16	b	845	BCR	C1-C6-C7-C8
16	b	848	BCR	C23-C24-C25-C30
16	L	207	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	U	208	BCR	C1-C6-C7-C8
16	l	206	BCR	C1-C6-C7-C8
16	l	206	BCR	C5-C6-C7-C8
17	G	850	LHG	C9-C10-C11-C12
14	A	826	CLA	C8-C10-C11-C12
14	A	827	CLA	C5-C6-C7-C8
14	B	831	CLA	C8-C10-C11-C12
14	H	838	CLA	C11-C12-C13-C14
14	b	836	CLA	C11-C12-C13-C14
13	A	801	CL0	CAA-CBA-CGA-O2A
14	A	808	CLA	C10-C11-C12-C13
19	H	851	LMG	O7-C8-C9-O8
19	b	849	LMG	O7-C8-C9-O8
14	B	826	CLA	O1A-CGA-O2A-C1
14	H	803	CLA	C3-C5-C6-C7
16	G	847	BCR	C10-C11-C12-C13
14	G	808	CLA	C10-C11-C12-C13
14	A	820	CLA	C2-C3-C5-C6
14	B	802	CLA	C2-C3-C5-C6
14	B	815	CLA	C2-C3-C5-C6
14	b	808	CLA	C2-C3-C5-C6
14	U	205	CLA	C2-C3-C5-C6
14	B	838	CLA	C11-C12-C13-C15
14	b	823	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	C14-C13-C15-C16
14	a	825	CLA	C14-C13-C15-C16
14	a	828	CLA	C14-C13-C15-C16
14	b	804	CLA	C14-C13-C15-C16
14	a	828	CLA	CAA-CBA-CGA-O2A
14	B	812	CLA	O1A-CGA-O2A-C1
14	a	808	CLA	C10-C11-C12-C13
17	a	850	LHG	C11-C10-C9-C8
14	H	819	CLA	C2A-CAA-CBA-CGA
15	B	843	PQN	C20-C21-C22-C23
14	B	815	CLA	C3-C5-C6-C7
16	L	202	BCR	C9-C10-C11-C12
13	G	801	CL0	CAA-CBA-CGA-O2A
14	a	817	CLA	CAA-CBA-CGA-O2A
14	B	811	CLA	C2-C3-C5-C6
14	B	818	CLA	C5-C6-C7-C8
14	b	828	CLA	C8-C10-C11-C12
14	A	826	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	b	807	CLA	C13-C15-C16-C17
14	A	805	CLA	O1A-CGA-O2A-C1
14	B	810	CLA	C3-C5-C6-C7
14	A	818	CLA	C8-C10-C11-C12
17	A	850	LHG	O6-C4-C5-C6
14	B	805	CLA	C16-C17-C18-C20
14	A	807	CLA	C12-C13-C15-C16
14	A	818	CLA	C11-C12-C13-C15
14	A	824	CLA	C12-C13-C15-C16
14	G	807	CLA	C12-C13-C15-C16
14	G	818	CLA	C11-C12-C13-C15
14	a	807	CLA	C12-C13-C15-C16
14	a	818	CLA	C11-C12-C13-C15
14	a	852	CLA	C11-C10-C8-C7
14	B	803	CLA	C6-C7-C8-C10
14	B	812	CLA	C12-C13-C15-C16
14	H	803	CLA	C6-C7-C8-C10
14	H	808	CLA	C12-C13-C15-C16
14	H	812	CLA	C12-C13-C15-C16
14	H	816	CLA	C12-C13-C15-C16
14	b	803	CLA	C6-C7-C8-C10
14	b	804	CLA	C12-C13-C15-C16
14	b	809	CLA	C12-C13-C15-C16
14	b	812	CLA	C11-C10-C8-C7
14	b	813	CLA	C12-C13-C15-C16
14	b	826	CLA	C11-C12-C13-C15
14	b	831	CLA	C6-C7-C8-C10
14	Q	201	CLA	C6-C7-C8-C10
17	A	851	LHG	C9-C10-C11-C12
14	b	803	CLA	C3-C5-C6-C7
16	A	848	BCR	C7-C8-C9-C10
16	a	848	BCR	C7-C8-C9-C10
16	B	846	BCR	C11-C12-C13-C14
16	H	845	BCR	C11-C12-C13-C14
16	H	847	BCR	C11-C12-C13-C14
16	b	844	BCR	C11-C12-C13-C14
16	U	202	BCR	C11-C12-C13-C14
14	A	839	CLA	CBA-CGA-O2A-C1
14	a	840	CLA	CBA-CGA-O2A-C1
14	G	805	CLA	O1A-CGA-O2A-C1
14	a	805	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	a	827	CLA	C5-C6-C7-C8
14	A	826	CLA	C4-C3-C5-C6
14	G	836	CLA	C4-C3-C5-C6
14	a	820	CLA	C4-C3-C5-C6
14	a	832	CLA	C4-C3-C5-C6
14	H	829	CLA	C4-C3-C5-C6
14	A	828	CLA	CAA-CBA-CGA-O2A
17	a	851	LHG	C9-C10-C11-C12
14	B	830	CLA	C8-C10-C11-C12
14	b	809	CLA	O1A-CGA-O2A-C1
16	a	847	BCR	C9-C10-C11-C12
16	B	850	BCR	C9-C10-C11-C12
14	b	836	CLA	C11-C12-C13-C15
13	a	801	CL0	CAA-CBA-CGA-O2A
17	G	849	LHG	O6-C4-C5-O7
14	G	828	CLA	C10-C11-C12-C13
14	H	810	CLA	C13-C15-C16-C17
14	A	827	CLA	C4-C3-C5-C6
14	G	820	CLA	C4-C3-C5-C6
14	B	829	CLA	C4-C3-C5-C6
14	A	826	CLA	C2-C3-C5-C6
14	H	830	CLA	C8-C10-C11-C12
14	A	803	CLA	C5-C6-C7-C8
14	A	804	CLA	C6-C7-C8-C9
14	a	807	CLA	C14-C13-C15-C16
14	B	803	CLA	C6-C7-C8-C9
14	B	812	CLA	C14-C13-C15-C16
14	H	803	CLA	C6-C7-C8-C9
14	b	803	CLA	C6-C7-C8-C9
14	b	812	CLA	C11-C10-C8-C9
14	Q	201	CLA	C6-C7-C8-C9
14	H	838	CLA	C11-C12-C13-C15
14	a	840	CLA	O1A-CGA-O2A-C1
14	b	827	CLA	C8-C10-C11-C12
14	A	839	CLA	O1A-CGA-O2A-C1
14	G	839	CLA	CAA-CBA-CGA-O2A
14	A	811	CLA	C2-C1-O2A-CGA
14	A	825	CLA	C2-C1-O2A-CGA
14	A	842	CLA	C2-C1-O2A-CGA
14	G	811	CLA	C2-C1-O2A-CGA
14	a	811	CLA	C2-C1-O2A-CGA
14	a	842	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	B	816	CLA	C2-C1-O2A-CGA
14	B	834	CLA	C2-C1-O2A-CGA
14	H	806	CLA	C2-C1-O2A-CGA
14	b	804	CLA	C2-C1-O2A-CGA
14	B	803	CLA	C16-C17-C18-C19
14	A	817	CLA	CAA-CBA-CGA-O2A
14	G	820	CLA	C2-C3-C5-C6
14	a	832	CLA	C2-C3-C5-C6
14	H	815	CLA	C2C-C3C-CAC-CBC
14	b	803	CLA	C16-C17-C18-C19
14	A	829	CLA	C3-C5-C6-C7
17	a	850	LHG	C27-C28-C29-C30
14	G	839	CLA	CBA-CGA-O2A-C1
14	G	841	CLA	C4C-C3C-CAC-CBC
14	b	805	CLA	C16-C17-C18-C20
16	G	847	BCR	C7-C8-C9-C34
16	b	850	BCR	C36-C18-C19-C20
14	A	813	CLA	C1A-C2A-CAA-CBA
14	A	824	CLA	C4B-C3B-CAB-CBB
14	A	826	CLA	C4B-C3B-CAB-CBB
14	A	839	CLA	C4B-C3B-CAB-CBB
14	A	842	CLA	C4B-C3B-CAB-CBB
14	G	805	CLA	C4B-C3B-CAB-CBB
14	G	811	CLA	C1A-C2A-CAA-CBA
14	G	813	CLA	C1A-C2A-CAA-CBA
14	G	824	CLA	C4B-C3B-CAB-CBB
14	G	839	CLA	C4B-C3B-CAB-CBB
14	G	841	CLA	C4B-C3B-CAB-CBB
14	a	805	CLA	C4B-C3B-CAB-CBB
14	a	824	CLA	C4B-C3B-CAB-CBB
14	a	840	CLA	C4B-C3B-CAB-CBB
14	a	842	CLA	C4B-C3B-CAB-CBB
14	B	808	CLA	C1A-C2A-CAA-CBA
14	H	808	CLA	C1A-C2A-CAA-CBA
14	H	829	CLA	C1A-C2A-CAA-CBA
14	b	832	CLA	C1A-C2A-CAA-CBA
14	b	834	CLA	C1A-C2A-CAA-CBA
14	F	201	CLA	C1A-C2A-CAA-CBA
14	R	101	CLA	C1A-C2A-CAA-CBA
14	S	101	CLA	C1A-C2A-CAA-CBA
14	L	201	CLA	C1A-C2A-CAA-CBA
14	U	201	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	W	1701	CLA	C1A-C2A-CAA-CBA
14	X	1701	CLA	C1A-C2A-CAA-CBA
14	x	1701	CLA	C1A-C2A-CAA-CBA
14	A	832	CLA	C4-C3-C5-C6
14	A	836	CLA	C4-C3-C5-C6
14	b	826	CLA	C4-C3-C5-C6
14	B	829	CLA	C8-C10-C11-C12
14	a	840	CLA	CAA-CBA-CGA-O2A
14	B	819	CLA	CAA-CBA-CGA-O2A
14	H	819	CLA	CAA-CBA-CGA-O2A
14	G	836	CLA	C2-C3-C5-C6
16	H	846	BCR	C11-C12-C13-C14
16	l	201	BCR	C9-C10-C11-C12
14	H	803	CLA	C16-C17-C18-C19
14	B	819	CLA	C2A-CAA-CBA-CGA
17	G	849	LHG	O6-C4-C5-C6
17	a	850	LHG	O6-C4-C5-C6
14	G	839	CLA	C12-C13-C15-C16
14	a	852	CLA	C6-C7-C8-C10
14	B	821	CLA	C6-C7-C8-C10
14	B	829	CLA	C11-C12-C13-C15
14	H	806	CLA	C12-C13-C15-C16
14	H	815	CLA	C11-C10-C8-C7
14	H	821	CLA	C6-C7-C8-C10
14	H	829	CLA	C11-C12-C13-C15
14	b	818	CLA	C6-C7-C8-C10
14	L	205	CLA	C12-C13-C15-C16
14	U	206	CLA	C12-C13-C15-C16
14	l	203	CLA	C11-C10-C8-C7
14	l	204	CLA	C12-C13-C15-C16
14	A	805	CLA	C15-C16-C17-C18
14	G	839	CLA	O1A-CGA-O2A-C1
14	H	830	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	O1D-CGD-O2D-CED
14	B	801	CLA	C15-C16-C17-C18
14	G	827	CLA	C4-C3-C5-C6
14	B	802	CLA	C3A-C2A-CAA-CBA
14	B	829	CLA	C3A-C2A-CAA-CBA
14	b	812	CLA	C4-C3-C5-C6
14	a	820	CLA	C2-C3-C5-C6
14	a	828	CLA	C10-C11-C12-C13
14	U	201	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	838	CLA	O1D-CGD-O2D-CED
17	A	851	LHG	O6-C4-C5-O7
17	G	850	LHG	O6-C4-C5-O7
17	a	851	LHG	O6-C4-C5-O7
14	B	830	CLA	C2A-CAA-CBA-CGA
14	A	807	CLA	C14-C13-C15-C16
14	A	812	CLA	C11-C10-C8-C9
14	A	818	CLA	C11-C12-C13-C14
14	A	828	CLA	C14-C13-C15-C16
14	G	807	CLA	C14-C13-C15-C16
14	G	818	CLA	C11-C12-C13-C14
14	a	804	CLA	C6-C7-C8-C9
14	a	818	CLA	C11-C12-C13-C14
14	B	809	CLA	C6-C7-C8-C9
14	B	815	CLA	C11-C10-C8-C9
14	H	812	CLA	C14-C13-C15-C16
14	b	809	CLA	C14-C13-C15-C16
14	b	813	CLA	C14-C13-C15-C16
14	b	826	CLA	C11-C12-C13-C14
14	b	831	CLA	C6-C7-C8-C9
14	B	841	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	CAA-CBA-CGA-O2A
14	a	820	CLA	C13-C15-C16-C17
14	B	810	CLA	C13-C15-C16-C17
16	H	849	BCR	C9-C10-C11-C12
16	b	847	BCR	C9-C10-C11-C12
16	f	201	BCR	C9-C10-C11-C12
16	I	101	BCR	C9-C10-C11-C12
16	L	202	BCR	C19-C20-C21-C22
16	U	202	BCR	C19-C20-C21-C22
14	H	801	CLA	C15-C16-C17-C18
14	b	805	CLA	C15-C16-C17-C18
14	H	804	CLA	O1D-CGD-O2D-CED
17	A	850	LHG	C27-C28-C29-C30
14	H	810	CLA	C3-C5-C6-C7
17	G	849	LHG	C27-C28-C29-C30
14	b	839	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	C5-C6-C7-C8
14	b	823	CLA	C6-C7-C8-C9
14	H	806	CLA	C16-C17-C18-C20
19	B	851	LMG	C7-C8-C9-O8
14	A	836	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	804	CLA	CAD-CBD-CGD-O2D
14	A	813	CLA	CAD-CBD-CGD-O2D
14	A	830	CLA	CAD-CBD-CGD-O2D
14	A	835	CLA	CAD-CBD-CGD-O2D
14	A	836	CLA	CAD-CBD-CGD-O2D
14	G	804	CLA	CAD-CBD-CGD-O2D
14	G	813	CLA	CAD-CBD-CGD-O2D
14	G	830	CLA	CAD-CBD-CGD-O2D
14	G	835	CLA	CAD-CBD-CGD-O2D
14	G	836	CLA	CAD-CBD-CGD-O2D
14	a	804	CLA	CAD-CBD-CGD-O2D
14	a	813	CLA	CAD-CBD-CGD-O2D
14	a	830	CLA	CAD-CBD-CGD-O2D
14	a	835	CLA	CAD-CBD-CGD-O2D
14	a	836	CLA	CAD-CBD-CGD-O2D
14	a	852	CLA	CAD-CBD-CGD-O2D
14	B	822	CLA	CAD-CBD-CGD-O2D
14	B	828	CLA	CAD-CBD-CGD-O2D
14	B	838	CLA	CAD-CBD-CGD-O2D
14	H	822	CLA	CAD-CBD-CGD-O2D
14	H	828	CLA	CAD-CBD-CGD-O2D
14	H	838	CLA	CAD-CBD-CGD-O2D
14	b	819	CLA	CAD-CBD-CGD-O2D
14	b	825	CLA	CAD-CBD-CGD-O2D
14	b	836	CLA	CAD-CBD-CGD-O2D
14	G	824	CLA	C5-C6-C7-C8
14	B	841	CLA	CBA-CGA-O2A-C1
14	U	201	CLA	CBA-CGA-O2A-C1
14	a	829	CLA	C3-C5-C6-C7
14	B	818	CLA	C2A-CAA-CBA-CGA
14	H	818	CLA	C2A-CAA-CBA-CGA
14	H	830	CLA	C2A-CAA-CBA-CGA
14	b	816	CLA	C2A-CAA-CBA-CGA
14	H	841	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	O1A-CGA-O2A-C1
14	H	826	CLA	C6-C7-C8-C9
14	A	804	CLA	CAD-CBD-CGD-O1D
14	A	813	CLA	CAD-CBD-CGD-O1D
14	A	830	CLA	CAD-CBD-CGD-O1D
14	A	835	CLA	CAD-CBD-CGD-O1D
14	A	836	CLA	CAD-CBD-CGD-O1D
14	A	842	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	A	852	CLA	CAD-CBD-CGD-O1D
14	G	803	CLA	CHA-CBD-CGD-O1D
14	G	804	CLA	CAD-CBD-CGD-O1D
14	G	813	CLA	CAD-CBD-CGD-O1D
14	G	830	CLA	CAD-CBD-CGD-O1D
14	G	835	CLA	CAD-CBD-CGD-O1D
14	G	836	CLA	CAD-CBD-CGD-O1D
14	a	804	CLA	CAD-CBD-CGD-O1D
14	a	813	CLA	CAD-CBD-CGD-O1D
14	a	830	CLA	CAD-CBD-CGD-O1D
14	a	835	CLA	CAD-CBD-CGD-O1D
14	a	836	CLA	CAD-CBD-CGD-O1D
14	a	852	CLA	CAD-CBD-CGD-O1D
14	B	816	CLA	CHA-CBD-CGD-O1D
14	B	816	CLA	CHA-CBD-CGD-O2D
14	B	822	CLA	CAD-CBD-CGD-O1D
14	B	826	CLA	CHA-CBD-CGD-O1D
14	B	826	CLA	CHA-CBD-CGD-O2D
14	B	828	CLA	CAD-CBD-CGD-O1D
14	B	832	CLA	CHA-CBD-CGD-O1D
14	B	832	CLA	CHA-CBD-CGD-O2D
14	B	835	CLA	CHA-CBD-CGD-O1D
14	B	835	CLA	CHA-CBD-CGD-O2D
14	B	838	CLA	CAD-CBD-CGD-O1D
14	H	805	CLA	CAD-CBD-CGD-O1D
14	H	816	CLA	CHA-CBD-CGD-O1D
14	H	816	CLA	CHA-CBD-CGD-O2D
14	H	822	CLA	CAD-CBD-CGD-O1D
14	H	826	CLA	CHA-CBD-CGD-O1D
14	H	826	CLA	CHA-CBD-CGD-O2D
14	H	828	CLA	CAD-CBD-CGD-O1D
14	H	835	CLA	CHA-CBD-CGD-O1D
14	H	835	CLA	CHA-CBD-CGD-O2D
14	H	838	CLA	CAD-CBD-CGD-O1D
14	b	813	CLA	CHA-CBD-CGD-O1D
14	b	813	CLA	CHA-CBD-CGD-O2D
14	b	819	CLA	CAD-CBD-CGD-O1D
14	b	823	CLA	CHA-CBD-CGD-O1D
14	b	823	CLA	CHA-CBD-CGD-O2D
14	b	825	CLA	CAD-CBD-CGD-O1D
14	b	829	CLA	CHA-CBD-CGD-O1D
14	b	829	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	b	833	CLA	CHA-CBD-CGD-O1D
14	b	833	CLA	CHA-CBD-CGD-O2D
14	b	836	CLA	CAD-CBD-CGD-O1D
14	L	204	CLA	CAD-CBD-CGD-O1D
14	l	203	CLA	CAD-CBD-CGD-O1D
14	x	1701	CLA	CHA-CBD-CGD-O1D
16	G	844	BCR	C9-C10-C11-C12
16	S	104	BCR	C15-C16-C17-C18
16	j	1305	BCR	C15-C16-C17-C18
16	U	208	BCR	C13-C14-C15-C16
16	l	201	BCR	C19-C20-C21-C22
17	A	850	LHG	C4-O6-P-O5
17	A	851	LHG	C4-O6-P-O5
17	G	849	LHG	C3-O3-P-O6
17	G	849	LHG	C4-O6-P-O5
17	G	850	LHG	C4-O6-P-O4
17	a	850	LHG	C4-O6-P-O5
14	H	802	CLA	C4-C3-C5-C6
14	H	810	CLA	C4-C3-C5-C6
14	A	803	CLA	C2B-C3B-CAB-CBB
14	A	806	CLA	C2B-C3B-CAB-CBB
14	A	811	CLA	C2B-C3B-CAB-CBB
14	A	819	CLA	C2B-C3B-CAB-CBB
14	A	825	CLA	C2B-C3B-CAB-CBB
14	A	852	CLA	C2B-C3B-CAB-CBB
14	G	811	CLA	C2B-C3B-CAB-CBB
14	G	821	CLA	C2B-C3B-CAB-CBB
14	G	825	CLA	C2B-C3B-CAB-CBB
14	a	803	CLA	C2B-C3B-CAB-CBB
14	a	811	CLA	C2B-C3B-CAB-CBB
14	a	824	CLA	C2B-C3B-CAB-CBB
14	a	825	CLA	C2B-C3B-CAB-CBB
14	a	836	CLA	C2B-C3B-CAB-CBB
14	a	852	CLA	C2B-C3B-CAB-CBB
14	B	806	CLA	C2B-C3B-CAB-CBB
14	B	815	CLA	C2B-C3B-CAB-CBB
14	B	821	CLA	C2B-C3B-CAB-CBB
14	H	802	CLA	C2B-C3B-CAB-CBB
14	H	805	CLA	C2B-C3B-CAB-CBB
14	H	815	CLA	C2B-C3B-CAB-CBB
14	H	819	CLA	C2B-C3B-CAB-CBB
14	H	824	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	b	802	CLA	C2B-C3B-CAB-CBB
14	b	816	CLA	C2B-C3B-CAB-CBB
14	b	821	CLA	C2B-C3B-CAB-CBB
14	b	826	CLA	C2B-C3B-CAB-CBB
16	B	847	BCR	C5-C6-C7-C8
16	G	846	BCR	C11-C12-C13-C35
16	B	845	BCR	C36-C18-C19-C20
16	F	202	BCR	C7-C8-C9-C34
17	A	851	LHG	C2-C3-O3-P
17	G	850	LHG	C2-C3-O3-P
17	a	851	LHG	C2-C3-O3-P
14	G	804	CLA	O1D-CGD-O2D-CED
14	A	820	CLA	C13-C15-C16-C17
14	a	824	CLA	C5-C6-C7-C8
13	a	801	CL0	C16-C17-C18-C20
16	b	850	BCR	C17-C18-C19-C20
14	H	830	CLA	O1A-CGA-O2A-C1
14	b	801	CLA	O2A-C1-C2-C3
14	B	805	CLA	C8-C10-C11-C12
14	a	827	CLA	C2-C3-C5-C6
14	B	829	CLA	C2-C3-C5-C6
14	H	829	CLA	C2-C3-C5-C6
16	A	845	BCR	C9-C10-C11-C12
16	A	847	BCR	C9-C10-C11-C12
16	a	845	BCR	C9-C10-C11-C12
16	L	207	BCR	C13-C14-C15-C16
14	B	805	CLA	C16-C17-C18-C19
17	A	851	LHG	O6-C4-C5-C6
17	G	850	LHG	O6-C4-C5-C6
17	a	851	LHG	O6-C4-C5-C6
14	B	805	CLA	O1A-CGA-O2A-C1
14	G	803	CLA	C5-C6-C7-C8
14	G	812	CLA	C11-C10-C8-C9
14	a	812	CLA	C11-C10-C8-C9
14	B	829	CLA	C11-C12-C13-C14
14	B	839	CLA	C11-C12-C13-C14
14	H	805	CLA	C6-C7-C8-C9
14	H	808	CLA	C14-C13-C15-C16
14	H	809	CLA	C6-C7-C8-C9
14	H	815	CLA	C11-C10-C8-C9
14	H	839	CLA	C11-C12-C13-C14
14	b	804	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b	806	CLA	C6-C7-C8-C9
14	F	201	CLA	C6-C7-C8-C9
14	L	204	CLA	C11-C10-C8-C9
14	U	205	CLA	C11-C10-C8-C9
14	B	835	CLA	O1D-CGD-O2D-CED
14	A	804	CLA	C11-C12-C13-C15
16	L	207	BCR	C11-C10-C9-C8
17	A	850	LHG	O6-C4-C5-O7
17	a	850	LHG	O6-C4-C5-O7
14	b	839	CLA	CBA-CGA-O2A-C1
14	A	824	CLA	C13-C15-C16-C17
14	G	824	CLA	C4-C3-C5-C6
14	L	201	CLA	CBA-CGA-O2A-C1
14	B	816	CLA	C16-C17-C18-C19
14	H	828	CLA	C5-C6-C7-C8
14	B	826	CLA	C6-C7-C8-C9
16	G	846	BCR	C9-C10-C11-C12
14	B	803	CLA	C16-C17-C18-C20
14	B	808	CLA	C15-C16-C17-C18
14	b	802	CLA	C10-C11-C12-C13
14	b	804	CLA	O1A-CGA-O2A-C1
14	G	819	CLA	C2-C1-O2A-CGA
14	G	841	CLA	C2-C1-O2A-CGA
14	a	825	CLA	C2-C1-O2A-CGA
14	B	805	CLA	C2-C1-O2A-CGA
14	B	807	CLA	C2-C1-O2A-CGA
14	m	1201	CLA	C2-C1-O2A-CGA
14	A	824	CLA	C4-C3-C5-C6
14	H	816	CLA	C16-C17-C18-C19
14	b	816	CLA	CAA-CBA-CGA-O2A
14	L	206	CLA	CAA-CBA-CGA-O2A
14	U	207	CLA	CAA-CBA-CGA-O2A
14	l	205	CLA	CAA-CBA-CGA-O2A
16	H	845	BCR	C36-C18-C19-C20
14	H	841	CLA	CBA-CGA-O2A-C1
14	m	1201	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	C2A-CAA-CBA-CGA
14	G	827	CLA	C2A-CAA-CBA-CGA
14	a	822	CLA	C2A-CAA-CBA-CGA
14	b	827	CLA	C2A-CAA-CBA-CGA
14	M	1601	CLA	C2A-CAA-CBA-CGA
14	V	1601	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	A	844	BCR	C9-C10-C11-C12
16	a	844	BCR	C9-C10-C11-C12
16	H	852	BCR	C15-C16-C17-C18
16	J	1305	BCR	C19-C20-C21-C22
16	U	208	BCR	C19-C20-C21-C22
16	l	206	BCR	C19-C20-C21-C22
14	A	831	CLA	C4-C3-C5-C6
14	G	831	CLA	C4-C3-C5-C6
14	a	824	CLA	C4-C3-C5-C6
14	a	836	CLA	C4-C3-C5-C6
14	a	836	CLA	C2-C3-C5-C6
14	H	810	CLA	C2-C3-C5-C6
14	b	826	CLA	C2-C3-C5-C6
14	b	827	CLA	CBA-CGA-O2A-C1
14	A	810	CLA	C11-C12-C13-C14
14	G	810	CLA	C11-C12-C13-C14
14	a	810	CLA	C11-C12-C13-C14
14	H	806	CLA	C14-C13-C15-C16
14	H	821	CLA	C6-C7-C8-C9
14	H	829	CLA	C11-C12-C13-C14
14	b	818	CLA	C6-C7-C8-C9
14	Q	201	CLA	C11-C10-C8-C9
14	l	203	CLA	C11-C10-C8-C9
14	B	805	CLA	CBA-CGA-O2A-C1
14	B	830	CLA	CBA-CGA-O2A-C1
14	H	802	CLA	C10-C11-C12-C13
14	A	804	CLA	C4B-C3B-CAB-CBB
14	G	802	CLA	C4B-C3B-CAB-CBB
14	G	809	CLA	C4B-C3B-CAB-CBB
14	a	837	CLA	CAA-CBA-CGA-O2A
14	R	101	CLA	O1A-CGA-O2A-C1
14	m	1202	CLA	C2A-CAA-CBA-CGA
14	a	831	CLA	C4-C3-C5-C6
14	b	807	CLA	C4-C3-C5-C6
14	G	824	CLA	C2-C3-C5-C6
14	H	802	CLA	C2-C3-C5-C6
16	B	848	BCR	C15-C16-C17-C18
14	b	803	CLA	C16-C17-C18-C20
14	A	825	CLA	C11-C12-C13-C15
14	G	825	CLA	C11-C12-C13-C15
14	a	825	CLA	C11-C12-C13-C15
14	B	806	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	b	831	CLA	C11-C10-C8-C7
14	F	201	CLA	C11-C10-C8-C7
14	B	838	CLA	C10-C11-C12-C13
14	b	801	CLA	C15-C16-C17-C18
15	A	843	PQN	C25-C26-C27-C28
14	b	827	CLA	O1A-CGA-O2A-C1
14	m	1201	CLA	O1A-CGA-O2A-C1
14	R	101	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	C16-C17-C18-C20
14	H	806	CLA	O1A-CGA-O2A-C1
13	A	801	CL0	C3A-C2A-CAA-CBA
14	G	839	CLA	C3A-C2A-CAA-CBA
14	B	825	CLA	C3A-C2A-CAA-CBA
14	B	839	CLA	C3A-C2A-CAA-CBA
14	H	833	CLA	C3A-C2A-CAA-CBA
14	H	839	CLA	C3A-C2A-CAA-CBA
14	b	826	CLA	C3A-C2A-CAA-CBA
14	R	101	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	C2-C3-C5-C6
14	a	824	CLA	C2-C3-C5-C6
14	a	803	CLA	C5-C6-C7-C8
14	B	825	CLA	CAA-CBA-CGA-O2A
16	A	849	BCR	C16-C17-C18-C36
16	G	848	BCR	C16-C17-C18-C36
16	a	849	BCR	C16-C17-C18-C36
16	B	846	BCR	C20-C21-C22-C37
16	H	846	BCR	C20-C21-C22-C37
16	b	844	BCR	C20-C21-C22-C37
16	F	202	BCR	C35-C13-C14-C15
16	Q	203	BCR	C35-C13-C14-C15
16	f	201	BCR	C35-C13-C14-C15
16	L	202	BCR	C20-C21-C22-C37
16	U	202	BCR	C20-C21-C22-C37
16	l	201	BCR	C20-C21-C22-C37
14	a	818	CLA	C8-C10-C11-C12
17	A	850	LHG	C25-C26-C27-C28
14	G	837	CLA	CAA-CBA-CGA-O2A
14	A	826	CLA	C2-C1-O2A-CGA
14	G	825	CLA	C2-C1-O2A-CGA
16	B	852	BCR	C15-C16-C17-C18
16	H	848	BCR	C15-C16-C17-C18
16	S	104	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
16	l	206	BCR	C13-C14-C15-C16
14	B	802	CLA	C10-C11-C12-C13
14	A	837	CLA	CAA-CBA-CGA-O2A
14	A	841	CLA	CAA-CBA-CGA-O2A
14	T	101	CLA	CAA-CBA-CGA-O2A
14	H	806	CLA	C8-C10-C11-C12
14	B	810	CLA	C4-C3-C5-C6
14	L	205	CLA	C4-C3-C5-C6
14	U	206	CLA	C4-C3-C5-C6
14	A	805	CLA	CAA-CBA-CGA-O2A
14	A	832	CLA	C2-C3-C5-C6
14	b	812	CLA	C2-C3-C5-C6
14	A	827	CLA	C2A-CAA-CBA-CGA
14	a	837	CLA	CAA-CBA-CGA-O1A
14	k	101	CLA	CAA-CBA-CGA-O2A
14	H	825	CLA	CAA-CBA-CGA-O2A
14	A	825	CLA	C11-C12-C13-C14
14	A	827	CLA	C6-C7-C8-C9
14	G	820	CLA	C11-C10-C8-C9
14	G	825	CLA	C11-C12-C13-C14
14	G	827	CLA	C6-C7-C8-C9
14	G	851	CLA	C11-C10-C8-C9
14	G	851	CLA	C11-C12-C13-C14
14	a	825	CLA	C11-C12-C13-C14
14	a	853	CLA	C11-C10-C8-C9
14	a	853	CLA	C11-C12-C13-C14
14	B	806	CLA	C11-C10-C8-C9
14	B	808	CLA	C6-C7-C8-C9
14	B	821	CLA	C6-C7-C8-C9
14	H	806	CLA	C11-C10-C8-C9
14	H	808	CLA	C6-C7-C8-C9
14	b	805	CLA	C6-C7-C8-C9
14	b	831	CLA	C11-C10-C8-C9
14	F	201	CLA	C11-C10-C8-C9
14	T	101	CLA	CAA-CBA-CGA-O1A
14	k	101	CLA	CAA-CBA-CGA-O1A
14	a	805	CLA	CAA-CBA-CGA-O2A
14	B	801	CLA	O2A-C1-C2-C3
16	H	852	BCR	C19-C20-C21-C22
16	b	846	BCR	C15-C16-C17-C18
16	j	1305	BCR	C19-C20-C21-C22
14	A	841	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	b	819	CLA	CAA-CBA-CGA-O2A
14	b	820	CLA	CAA-CBA-CGA-O1A
14	b	801	CLA	C4-C3-C5-C6
14	L	206	CLA	C4-C3-C5-C6
14	G	805	CLA	CAA-CBA-CGA-O2A
14	L	205	CLA	C2-C3-C5-C6
14	U	206	CLA	C2-C3-C5-C6
14	B	830	CLA	O1A-CGA-O2A-C1
14	G	819	CLA	C5-C6-C7-C8
14	A	837	CLA	CAA-CBA-CGA-O1A
14	G	837	CLA	CAA-CBA-CGA-O1A
14	B	823	CLA	CAA-CBA-CGA-O1A
14	M	1601	CLA	CAA-CBA-CGA-O1A
14	G	822	CLA	C2A-CAA-CBA-CGA
14	a	827	CLA	C2A-CAA-CBA-CGA
14	b	815	CLA	C2A-CAA-CBA-CGA
14	G	832	CLA	C5-C6-C7-C8
14	A	824	CLA	C1A-C2A-CAA-CBA
14	A	827	CLA	C1A-C2A-CAA-CBA
14	G	824	CLA	C1A-C2A-CAA-CBA
14	G	827	CLA	C1A-C2A-CAA-CBA
14	a	824	CLA	C1A-C2A-CAA-CBA
14	a	827	CLA	C1A-C2A-CAA-CBA
14	B	812	CLA	C1A-C2A-CAA-CBA
14	H	802	CLA	C1A-C2A-CAA-CBA
14	H	812	CLA	C1A-C2A-CAA-CBA
14	H	817	CLA	C1A-C2A-CAA-CBA
14	H	836	CLA	C1A-C2A-CAA-CBA
14	b	802	CLA	C1A-C2A-CAA-CBA
14	b	809	CLA	C1A-C2A-CAA-CBA
14	b	822	CLA	C1A-C2A-CAA-CBA
14	Q	201	CLA	C1A-C2A-CAA-CBA
16	A	849	BCR	C16-C17-C18-C19
16	G	848	BCR	C16-C17-C18-C19
16	a	849	BCR	C16-C17-C18-C19
16	B	846	BCR	C20-C21-C22-C23
16	H	846	BCR	C20-C21-C22-C23
16	b	844	BCR	C20-C21-C22-C23
16	F	202	BCR	C12-C13-C14-C15
16	Q	203	BCR	C12-C13-C14-C15
16	f	201	BCR	C12-C13-C14-C15
16	L	202	BCR	C20-C21-C22-C23

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Mol	Chain	Res	Type	Atoms
16	U	202	BCR	C20-C21-C22-C23
16	l	201	BCR	C20-C21-C22-C23
14	B	807	CLA	CBA-CGA-O2A-C1
13	A	801	CL0	C16-C17-C18-C19
14	B	801	CLA	C16-C17-C18-C20
17	A	850	LHG	C7-C8-C9-C10
14	B	838	CLA	C4C-C3C-CAC-CBC
15	b	841	PQN	C20-C21-C22-C23
14	A	804	CLA	C2B-C3B-CAB-CBB
14	A	815	CLA	C2B-C3B-CAB-CBB
14	A	821	CLA	C2B-C3B-CAB-CBB
14	A	824	CLA	C2B-C3B-CAB-CBB
14	A	826	CLA	C2B-C3B-CAB-CBB
14	A	836	CLA	C2B-C3B-CAB-CBB
14	A	839	CLA	C2B-C3B-CAB-CBB
14	A	842	CLA	C2B-C3B-CAB-CBB
14	G	802	CLA	C2B-C3B-CAB-CBB
14	G	803	CLA	C2B-C3B-CAB-CBB
14	G	805	CLA	C2B-C3B-CAB-CBB
14	G	806	CLA	C2B-C3B-CAB-CBB
14	G	809	CLA	C2B-C3B-CAB-CBB
14	G	813	CLA	C2B-C3B-CAB-CBB
14	G	814	CLA	C2B-C3B-CAB-CBB
14	G	815	CLA	C2B-C3B-CAB-CBB
14	G	819	CLA	C2B-C3B-CAB-CBB
14	G	824	CLA	C2B-C3B-CAB-CBB
14	G	836	CLA	C2B-C3B-CAB-CBB
14	G	841	CLA	C2B-C3B-CAB-CBB
14	G	851	CLA	C2B-C3B-CAB-CBB
14	a	805	CLA	C2B-C3B-CAB-CBB
14	a	806	CLA	C2B-C3B-CAB-CBB
14	a	809	CLA	C2B-C3B-CAB-CBB
14	a	813	CLA	C2B-C3B-CAB-CBB
14	a	814	CLA	C2B-C3B-CAB-CBB
14	a	815	CLA	C2B-C3B-CAB-CBB
14	a	819	CLA	C2B-C3B-CAB-CBB
14	a	821	CLA	C2B-C3B-CAB-CBB
14	a	853	CLA	C2B-C3B-CAB-CBB
14	B	809	CLA	C2B-C3B-CAB-CBB
14	B	824	CLA	C2B-C3B-CAB-CBB
14	B	829	CLA	C2B-C3B-CAB-CBB
14	B	833	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	C2B-C3B-CAB-CBB
14	H	829	CLA	C2B-C3B-CAB-CBB
14	H	833	CLA	C2B-C3B-CAB-CBB
14	b	813	CLA	C2B-C3B-CAB-CBB
14	b	830	CLA	C2B-C3B-CAB-CBB
14	j	1303	CLA	C2B-C3B-CAB-CBB
14	L	205	CLA	C2B-C3B-CAB-CBB
14	U	206	CLA	C2B-C3B-CAB-CBB
16	G	847	BCR	C23-C24-C25-C30
16	a	848	BCR	C23-C24-C25-C30
16	B	844	BCR	C23-C24-C25-C26
16	B	850	BCR	C23-C24-C25-C26
16	B	852	BCR	C1-C6-C7-C8
16	B	852	BCR	C5-C6-C7-C8
16	B	852	BCR	C23-C24-C25-C30
16	H	844	BCR	C23-C24-C25-C26
16	H	848	BCR	C23-C24-C25-C26
16	H	848	BCR	C23-C24-C25-C30
16	H	850	BCR	C23-C24-C25-C26
16	H	852	BCR	C5-C6-C7-C8
16	H	852	BCR	C23-C24-C25-C26
16	H	852	BCR	C23-C24-C25-C30
16	b	842	BCR	C23-C24-C25-C26
16	b	846	BCR	C23-C24-C25-C30
16	b	848	BCR	C23-C24-C25-C26
16	b	850	BCR	C1-C6-C7-C8
16	b	850	BCR	C5-C6-C7-C8
16	I	101	BCR	C1-C6-C7-C8
16	R	102	BCR	C1-C6-C7-C8
16	J	1304	BCR	C23-C24-C25-C26
16	J	1304	BCR	C23-C24-C25-C30
16	J	1305	BCR	C5-C6-C7-C8
16	S	103	BCR	C23-C24-C25-C26
16	S	103	BCR	C23-C24-C25-C30
16	j	1304	BCR	C23-C24-C25-C26
16	j	1304	BCR	C23-C24-C25-C30
16	L	202	BCR	C23-C24-C25-C30
16	L	207	BCR	C5-C6-C7-C8
16	U	202	BCR	C23-C24-C25-C30
16	U	208	BCR	C5-C6-C7-C8
16	l	201	BCR	C23-C24-C25-C30
16	M	1602	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	V	1602	BCR	C1-C6-C7-C8
16	V	1602	BCR	C5-C6-C7-C8
16	m	1203	BCR	C1-C6-C7-C8
16	m	1203	BCR	C5-C6-C7-C8
17	G	850	LHG	O8-C23-C24-C25
14	B	840	CLA	CAA-CBA-CGA-O2A
14	H	822	CLA	CAA-CBA-CGA-O1A
14	b	804	CLA	CBA-CGA-O2A-C1
14	A	832	CLA	C5-C6-C7-C8
15	a	843	PQN	C25-C26-C27-C28
14	B	822	CLA	CAA-CBA-CGA-O2A
14	B	825	CLA	CAA-CBA-CGA-O1A
14	b	838	CLA	CAA-CBA-CGA-O2A
14	G	810	CLA	C4-C3-C5-C6
14	B	801	CLA	C4-C3-C5-C6
14	B	816	CLA	C4-C3-C5-C6
14	H	819	CLA	C4-C3-C5-C6
14	A	831	CLA	C2-C3-C5-C6
14	G	831	CLA	C2-C3-C5-C6
14	B	810	CLA	C2-C3-C5-C6
14	b	807	CLA	C2-C3-C5-C6
14	H	823	CLA	CAA-CBA-CGA-O1A
14	b	820	CLA	CAA-CBA-CGA-O2A
14	V	1601	CLA	CAA-CBA-CGA-O1A
14	A	810	CLA	C11-C12-C13-C15
14	A	836	CLA	C12-C13-C15-C16
14	G	810	CLA	C11-C12-C13-C15
14	G	820	CLA	C11-C10-C8-C7
14	G	836	CLA	C12-C13-C15-C16
14	G	851	CLA	C11-C10-C8-C7
14	a	804	CLA	C12-C13-C15-C16
14	a	810	CLA	C11-C12-C13-C15
14	a	838	CLA	C11-C10-C8-C7
14	a	853	CLA	C11-C10-C8-C7
14	B	804	CLA	C11-C10-C8-C7
14	H	804	CLA	C11-C10-C8-C7
14	b	804	CLA	C11-C10-C8-C7
14	b	837	CLA	C11-C12-C13-C15
14	Q	201	CLA	C11-C10-C8-C7
15	B	843	PQN	C21-C22-C23-C25
15	H	843	PQN	C21-C22-C23-C25
14	a	831	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	b	801	CLA	C16-C17-C18-C20
14	A	809	CLA	C2A-CAA-CBA-CGA
14	a	809	CLA	C2A-CAA-CBA-CGA
14	A	828	CLA	C10-C11-C12-C13
14	B	823	CLA	CAA-CBA-CGA-O2A
14	b	819	CLA	CAA-CBA-CGA-O1A
17	G	849	LHG	C25-C26-C27-C28
17	G	849	LHG	C19-C20-C21-C22
14	H	840	CLA	CAA-CBA-CGA-O2A
14	m	1202	CLA	CAA-CBA-CGA-O1A
14	b	813	CLA	C4-C3-C5-C6
14	l	205	CLA	C4-C3-C5-C6
14	G	851	CLA	C15-C16-C17-C18
14	a	831	CLA	C2-C3-C5-C6
14	H	819	CLA	C2-C1-O2A-CGA
14	H	829	CLA	C8-C10-C11-C12
14	b	804	CLA	C8-C10-C11-C12
14	b	822	CLA	CAA-CBA-CGA-O2A
14	A	819	CLA	C5-C6-C7-C8
14	G	807	CLA	C15-C16-C17-C18
14	B	822	CLA	CAA-CBA-CGA-O1A
14	G	836	CLA	C11-C10-C8-C9
14	a	827	CLA	C6-C7-C8-C9
14	G	817	CLA	CAA-CBA-CGA-O1A
16	J	1305	BCR	C15-C16-C17-C18
16	L	207	BCR	C19-C20-C21-C22
16	U	202	BCR	C9-C10-C11-C12
14	A	852	CLA	C10-C11-C12-C13
17	A	851	LHG	C10-C11-C12-C13
14	H	823	CLA	CAA-CBA-CGA-O2A
14	H	838	CLA	C10-C11-C12-C13
14	G	812	CLA	C4-C3-C5-C6
14	a	812	CLA	C4-C3-C5-C6
14	H	816	CLA	C4-C3-C5-C6
14	U	207	CLA	C4-C3-C5-C6
14	l	204	CLA	C4-C3-C5-C6
14	G	814	CLA	CAA-CBA-CGA-O2A
14	H	825	CLA	CAA-CBA-CGA-O1A
14	A	827	CLA	C2-C3-C5-C6
14	b	801	CLA	C2-C3-C5-C6
14	B	840	CLA	CAA-CBA-CGA-O1A
19	H	851	LMG	C7-C8-C9-O8

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Mol	Chain	Res	Type	Atoms
14	a	832	CLA	C5-C6-C7-C8
14	a	814	CLA	CAA-CBA-CGA-O2A
14	b	838	CLA	CAA-CBA-CGA-O1A
14	A	832	CLA	CBA-CGA-O2A-C1
14	B	816	CLA	C16-C17-C18-C20
19	B	851	LMG	C15-C16-C17-C18
14	b	826	CLA	CAA-CBA-CGA-O2A
14	A	814	CLA	CAA-CBA-CGA-O2A
14	H	840	CLA	CAA-CBA-CGA-O1A
14	k	102	CLA	CAA-CBA-CGA-O2A
14	G	818	CLA	C8-C10-C11-C12
14	b	836	CLA	C10-C11-C12-C13
14	G	832	CLA	CBA-CGA-O2A-C1
14	a	832	CLA	CBA-CGA-O2A-C1
14	b	815	CLA	C4-C3-C5-C6
14	b	816	CLA	C4-C3-C5-C6
14	H	822	CLA	CAA-CBA-CGA-O2A
14	K	1401	CLA	CAA-CBA-CGA-O2A
14	T	102	CLA	CAA-CBA-CGA-O2A
14	B	829	CLA	CAA-CBA-CGA-O2A
14	a	819	CLA	C5-C6-C7-C8
14	G	804	CLA	C4B-C3B-CAB-CBB
14	a	809	CLA	C4B-C3B-CAB-CBB
14	B	818	CLA	C4B-C3B-CAB-CBB
14	b	803	CLA	C4B-C3B-CAB-CBB
14	b	813	CLA	C4B-C3B-CAB-CBB
14	J	1302	CLA	C4B-C3B-CAB-CBB
14	B	807	CLA	O1A-CGA-O2A-C1
14	a	821	CLA	CAA-CBA-CGA-O1A
14	G	828	CLA	CAA-CBA-CGA-O1A
17	G	850	LHG	C10-C11-C12-C13
14	H	829	CLA	CAA-CBA-CGA-O2A
17	a	851	LHG	C10-C11-C12-C13
14	M	1601	CLA	CAA-CBA-CGA-O2A
14	H	816	CLA	C16-C17-C18-C20
17	a	850	LHG	C19-C20-C21-C22
14	B	839	CLA	C13-C15-C16-C17
14	H	832	CLA	CAA-CBA-CGA-O2A
14	A	812	CLA	C4-C3-C5-C6
14	a	824	CLA	C15-C16-C17-C18
17	a	850	LHG	C23-C24-C25-C26
14	U	207	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	l	204	CLA	C2-C3-C5-C6
14	A	827	CLA	C6-C7-C8-C10
14	G	827	CLA	C6-C7-C8-C10
14	H	806	CLA	C11-C10-C8-C7
14	V	1601	CLA	CAA-CBA-CGA-O2A
15	G	842	PQN	C25-C26-C27-C28
19	b	849	LMG	C15-C16-C17-C18
14	A	814	CLA	CAA-CBA-CGA-O1A
14	b	822	CLA	CAA-CBA-CGA-O1A
14	m	1202	CLA	CAA-CBA-CGA-O2A
14	A	820	CLA	C11-C10-C8-C9
14	A	831	CLA	C14-C13-C15-C16
14	A	836	CLA	C11-C10-C8-C9
14	G	831	CLA	C14-C13-C15-C16
14	a	831	CLA	C14-C13-C15-C16
14	a	836	CLA	C11-C10-C8-C9
14	B	806	CLA	C11-C12-C13-C14
14	B	820	CLA	C11-C10-C8-C9
14	H	830	CLA	C11-C10-C8-C9
14	b	827	CLA	C11-C10-C8-C9
14	U	206	CLA	C14-C13-C15-C16
19	b	849	LMG	C36-C37-C38-C39
14	G	809	CLA	C2A-CAA-CBA-CGA
14	G	817	CLA	C2-C1-O2A-CGA
14	G	829	CLA	C2-C1-O2A-CGA
14	a	819	CLA	C2-C1-O2A-CGA
14	a	826	CLA	C2-C1-O2A-CGA
14	B	810	CLA	C2-C1-O2A-CGA
14	H	831	CLA	C2-C1-O2A-CGA
14	G	824	CLA	C15-C16-C17-C18
15	H	843	PQN	C20-C21-C22-C23
13	G	801	CL0	C3A-C2A-CAA-CBA
13	a	801	CL0	C3A-C2A-CAA-CBA
14	A	839	CLA	C3A-C2A-CAA-CBA
14	A	852	CLA	C3A-C2A-CAA-CBA
14	a	840	CLA	C3A-C2A-CAA-CBA
14	B	833	CLA	C3A-C2A-CAA-CBA
14	H	801	CLA	C4-C3-C5-C6
14	H	825	CLA	C3A-C2A-CAA-CBA
14	H	829	CLA	C3A-C2A-CAA-CBA
14	b	830	CLA	C3A-C2A-CAA-CBA
14	b	837	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	L	201	CLA	C3A-C2A-CAA-CBA
14	U	201	CLA	C3A-C2A-CAA-CBA
14	a	834	CLA	CAA-CBA-CGA-O2A
14	J	1301	CLA	CAA-CBA-CGA-O2A
14	K	1401	CLA	CAA-CBA-CGA-O1A
14	k	102	CLA	CAA-CBA-CGA-O1A
14	H	806	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	O2A-C1-C2-C3
14	G	804	CLA	O2A-C1-C2-C3
14	H	801	CLA	O2A-C1-C2-C3
16	M	1602	BCR	C10-C11-C12-C13
14	G	834	CLA	CAA-CBA-CGA-O2A
14	H	833	CLA	CAA-CBA-CGA-O2A
14	T	102	CLA	CAA-CBA-CGA-O1A
13	A	801	CL0	CAA-CBA-CGA-O1A
14	G	814	CLA	CAA-CBA-CGA-O1A
14	b	830	CLA	CAA-CBA-CGA-O2A
14	Q	202	CLA	CAA-CBA-CGA-O2A
14	j	1301	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O1A
14	l	205	CLA	C2-C3-C5-C6
14	a	853	CLA	C15-C16-C17-C18
14	B	833	CLA	CAA-CBA-CGA-O2A
14	H	832	CLA	CAA-CBA-CGA-O1A
14	G	829	CLA	C3-C5-C6-C7
14	H	805	CLA	C10-C11-C12-C13
14	a	814	CLA	CAA-CBA-CGA-O1A
19	b	849	LMG	C7-C8-C9-O8
14	a	817	CLA	CAA-CBA-CGA-O1A
14	A	821	CLA	CAA-CBA-CGA-O1A
14	G	832	CLA	O1A-CGA-O2A-C1
14	B	819	CLA	C4-C3-C5-C6
14	H	833	CLA	CAA-CBA-CGA-O1A
14	J	1301	CLA	CAA-CBA-CGA-O1A
14	G	827	CLA	C2-C3-C5-C6
16	G	843	BCR	C9-C10-C11-C12
16	b	842	BCR	C9-C10-C11-C12
19	B	851	LMG	C36-C37-C38-C39
14	a	834	CLA	CAA-CBA-CGA-O1A
14	j	1301	CLA	CAA-CBA-CGA-O1A
14	G	816	CLA	CAA-CBA-CGA-O2A
14	G	834	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	B	833	CLA	CAA-CBA-CGA-O1A
14	A	852	CLA	C6-C7-C8-C9
14	B	805	CLA	C11-C10-C8-C9
14	B	830	CLA	C11-C10-C8-C9
14	L	205	CLA	C14-C13-C15-C16
14	l	204	CLA	C14-C13-C15-C16
15	H	843	PQN	C21-C22-C23-C24
14	a	812	CLA	C2C-C3C-CAC-CBC
14	A	806	CLA	CAA-CBA-CGA-O2A
14	A	816	CLA	CAA-CBA-CGA-O2A
14	a	804	CLA	CAA-CBA-CGA-O2A
14	a	816	CLA	CAA-CBA-CGA-O2A
14	B	810	CLA	CAA-CBA-CGA-O2A
14	H	810	CLA	CAA-CBA-CGA-O2A
14	a	828	CLA	CAA-CBA-CGA-O1A
14	b	830	CLA	CAA-CBA-CGA-O1A
16	G	846	BCR	C11-C12-C13-C14
14	A	804	CLA	CAA-CBA-CGA-O2A
14	G	806	CLA	CAA-CBA-CGA-O2A
14	a	806	CLA	CAA-CBA-CGA-O2A
14	F	201	CLA	C2-C3-C5-C6
14	a	815	CLA	C2A-CAA-CBA-CGA
14	A	831	CLA	C12-C13-C15-C16
14	A	836	CLA	C11-C10-C8-C7
14	G	804	CLA	C12-C13-C15-C16
14	G	831	CLA	C12-C13-C15-C16
14	G	836	CLA	C11-C10-C8-C7
14	a	827	CLA	C6-C7-C8-C10
14	a	831	CLA	C12-C13-C15-C16
14	a	836	CLA	C12-C13-C15-C16
14	B	805	CLA	C12-C13-C15-C16
14	H	805	CLA	C11-C10-C8-C7
14	H	830	CLA	C11-C10-C8-C7
14	b	827	CLA	C11-C10-C8-C7
15	b	841	PQN	C21-C22-C23-C25
14	A	832	CLA	O1A-CGA-O2A-C1
14	a	832	CLA	O1A-CGA-O2A-C1
14	A	834	CLA	CAA-CBA-CGA-O2A
14	A	802	CLA	C2B-C3B-CAB-CBB
14	A	807	CLA	C2B-C3B-CAB-CBB
14	A	809	CLA	C2B-C3B-CAB-CBB
14	A	810	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	813	CLA	C2B-C3B-CAB-CBB
14	A	814	CLA	C2B-C3B-CAB-CBB
14	A	820	CLA	C2B-C3B-CAB-CBB
14	A	835	CLA	C2B-C3B-CAB-CBB
14	G	804	CLA	C2B-C3B-CAB-CBB
14	G	807	CLA	C2B-C3B-CAB-CBB
14	G	810	CLA	C2B-C3B-CAB-CBB
14	G	820	CLA	C2B-C3B-CAB-CBB
14	G	835	CLA	C2B-C3B-CAB-CBB
14	a	802	CLA	C2B-C3B-CAB-CBB
14	a	804	CLA	C2B-C3B-CAB-CBB
14	a	807	CLA	C2B-C3B-CAB-CBB
14	a	810	CLA	C2B-C3B-CAB-CBB
14	a	820	CLA	C2B-C3B-CAB-CBB
14	a	835	CLA	C2B-C3B-CAB-CBB
14	B	803	CLA	C2B-C3B-CAB-CBB
14	B	816	CLA	C2B-C3B-CAB-CBB
14	B	818	CLA	C2B-C3B-CAB-CBB
14	H	809	CLA	C2B-C3B-CAB-CBB
14	H	812	CLA	C2B-C3B-CAB-CBB
14	b	806	CLA	C2B-C3B-CAB-CBB
14	b	809	CLA	C2B-C3B-CAB-CBB
14	b	812	CLA	C2B-C3B-CAB-CBB
14	b	838	CLA	C2B-C3B-CAB-CBB
14	J	1302	CLA	C2B-C3B-CAB-CBB
14	J	1303	CLA	C2B-C3B-CAB-CBB
14	S	102	CLA	C2B-C3B-CAB-CBB
14	l	204	CLA	C2B-C3B-CAB-CBB
16	A	848	BCR	C23-C24-C25-C26
16	A	848	BCR	C23-C24-C25-C30
16	A	849	BCR	C1-C6-C7-C8
16	A	849	BCR	C5-C6-C7-C8
16	G	847	BCR	C23-C24-C25-C26
16	G	848	BCR	C1-C6-C7-C8
16	G	848	BCR	C5-C6-C7-C8
16	a	848	BCR	C23-C24-C25-C26
16	a	849	BCR	C1-C6-C7-C8
16	a	849	BCR	C5-C6-C7-C8
16	B	848	BCR	C23-C24-C25-C26
16	B	849	BCR	C23-C24-C25-C26
16	B	852	BCR	C23-C24-C25-C26
16	H	844	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	H	844	BCR	C5-C6-C7-C8
16	H	849	BCR	C23-C24-C25-C26
16	H	850	BCR	C5-C6-C7-C8
16	b	846	BCR	C23-C24-C25-C26
16	b	847	BCR	C23-C24-C25-C26
16	Q	203	BCR	C5-C6-C7-C8
16	R	102	BCR	C5-C6-C7-C8
16	i	101	BCR	C1-C6-C7-C8
16	i	101	BCR	C5-C6-C7-C8
16	L	202	BCR	C23-C24-C25-C26
16	U	202	BCR	C23-C24-C25-C26
16	l	201	BCR	C23-C24-C25-C26
16	M	1602	BCR	C5-C6-C7-C8
17	A	851	LHG	O8-C23-C24-C25
17	a	851	LHG	O8-C23-C24-C25
14	a	824	CLA	C13-C15-C16-C17
14	A	819	CLA	C2-C1-O2A-CGA
14	a	817	CLA	C2-C1-O2A-CGA
14	a	829	CLA	C2-C1-O2A-CGA
14	B	802	CLA	C2-C1-O2A-CGA
14	H	842	CLA	C2-C1-O2A-CGA
14	b	807	CLA	C2-C1-O2A-CGA
14	b	828	CLA	C2-C1-O2A-CGA
14	R	101	CLA	C2-C1-O2A-CGA
13	G	801	CL0	CAA-CBA-CGA-O1A
14	A	807	CLA	C15-C16-C17-C18
14	Q	201	CLA	CAA-CBA-CGA-O2A
19	H	851	LMG	C13-C14-C15-C16
14	A	820	CLA	CAA-CBA-CGA-O2A
14	b	807	CLA	CAA-CBA-CGA-O2A
14	b	837	CLA	C2-C3-C5-C6
14	a	821	CLA	CAA-CBA-CGA-O2A
17	A	850	LHG	C19-C20-C21-C22
19	B	851	LMG	O9-C10-O7-C8
14	a	802	CLA	C5-C6-C7-C8
14	F	201	CLA	CAA-CBA-CGA-O2A
19	B	851	LMG	C13-C14-C15-C16
14	G	804	CLA	CAA-CBA-CGA-O2A
14	G	822	CLA	CAA-CBA-CGA-O2A
14	H	824	CLA	CAA-CBA-CGA-O2A
14	b	809	CLA	CAA-CBA-CGA-O2A
14	a	803	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	F	201	CLA	C4-C3-C5-C6
14	a	820	CLA	CAA-CBA-CGA-O2A
14	b	812	CLA	CAA-CBA-CGA-O2A
14	b	831	CLA	CAA-CBA-CGA-O2A
14	L	201	CLA	CAA-CBA-CGA-O2A
17	G	849	LHG	O7-C7-C8-C9
14	H	837	CLA	CAA-CBA-CGA-O2A
14	Q	202	CLA	CAA-CBA-CGA-O1A
14	G	812	CLA	C2C-C3C-CAC-CBC
14	A	839	CLA	C2A-CAA-CBA-CGA
14	A	834	CLA	CAA-CBA-CGA-O1A
14	B	815	CLA	CAA-CBA-CGA-O2A
14	G	809	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O2A
14	A	804	CLA	C11-C12-C13-C14
14	A	836	CLA	C6-C7-C8-C9
14	G	839	CLA	C14-C13-C15-C16
14	a	836	CLA	C14-C13-C15-C16
14	a	838	CLA	C11-C10-C8-C9
14	H	804	CLA	C11-C10-C8-C9
14	b	837	CLA	C11-C12-C13-C14
15	B	843	PQN	C21-C22-C23-C24
17	A	850	LHG	C31-C32-C33-C34
16	A	847	BCR	C11-C12-C13-C35
17	a	850	LHG	C7-C8-C9-C10
14	B	839	CLA	CAA-CBA-CGA-O2A
14	H	812	CLA	CAA-CBA-CGA-O2A
14	R	101	CLA	CAA-CBA-CGA-O2A
14	B	838	CLA	C2C-C3C-CAC-CBC
14	B	801	CLA	C16-C17-C18-C19
14	A	830	CLA	C1A-C2A-CAA-CBA
14	A	835	CLA	C4B-C3B-CAB-CBB
14	A	852	CLA	C1A-C2A-CAA-CBA
14	G	826	CLA	C4B-C3B-CAB-CBB
14	G	830	CLA	C1A-C2A-CAA-CBA
14	G	835	CLA	C4B-C3B-CAB-CBB
14	a	830	CLA	C1A-C2A-CAA-CBA
14	a	835	CLA	C4B-C3B-CAB-CBB
14	a	852	CLA	C1A-C2A-CAA-CBA
14	B	802	CLA	C1A-C2A-CAA-CBA
14	B	803	CLA	C4B-C3B-CAB-CBB
14	B	836	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	812	CLA	C4B-C3B-CAB-CBB
14	b	809	CLA	C4B-C3B-CAB-CBB
14	b	837	CLA	C4-C3-C5-C6
14	G	811	CLA	CAA-CBA-CGA-O2A
14	G	820	CLA	CAA-CBA-CGA-O2A
14	a	822	CLA	CAA-CBA-CGA-O2A
14	b	821	CLA	CAA-CBA-CGA-O2A
14	U	201	CLA	CAA-CBA-CGA-O2A
14	B	816	CLA	C2-C3-C5-C6
16	A	847	BCR	C11-C12-C13-C14
16	A	849	BCR	C21-C22-C23-C24
16	G	847	BCR	C7-C8-C9-C10
16	a	847	BCR	C11-C12-C13-C14
16	a	848	BCR	C17-C18-C19-C20
16	B	845	BCR	C17-C18-C19-C20
16	b	843	BCR	C17-C18-C19-C20
16	F	202	BCR	C7-C8-C9-C10
16	l	202	BCR	C9-C10-C11-C12
14	H	801	CLA	C16-C17-C18-C20
14	G	839	CLA	C15-C16-C17-C18
14	B	816	CLA	C13-C15-C16-C17
14	A	809	CLA	CAA-CBA-CGA-O2A
14	A	811	CLA	CAA-CBA-CGA-O2A
14	a	811	CLA	CAA-CBA-CGA-O2A
14	B	812	CLA	CAA-CBA-CGA-O2A
14	H	815	CLA	CAA-CBA-CGA-O2A
14	G	839	CLA	C2A-CAA-CBA-CGA
14	a	840	CLA	C2A-CAA-CBA-CGA
14	A	802	CLA	C8-C10-C11-C12
14	B	806	CLA	C15-C16-C17-C18
14	B	831	CLA	C10-C11-C12-C13
14	A	821	CLA	CAA-CBA-CGA-O2A
14	a	809	CLA	CAA-CBA-CGA-O2A
17	a	850	LHG	C12-C13-C14-C15
14	B	824	CLA	CAA-CBA-CGA-O2A
14	H	839	CLA	CAA-CBA-CGA-O2A
14	b	837	CLA	CAA-CBA-CGA-O2A
14	A	826	CLA	C13-C15-C16-C17
14	A	825	CLA	C13-C15-C16-C17
14	a	807	CLA	C15-C16-C17-C18
14	H	812	CLA	C15-C16-C17-C18
17	G	850	LHG	O10-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
14	A	823	CLA	C2-C1-O2A-CGA
14	G	823	CLA	C2-C1-O2A-CGA
14	G	826	CLA	C2-C1-O2A-CGA
14	a	823	CLA	C2-C1-O2A-CGA
14	b	826	CLA	C2-C1-O2A-CGA
14	b	836	CLA	C2-C1-O2A-CGA
14	A	829	CLA	C11-C10-C8-C7
14	G	804	CLA	C11-C12-C13-C15
14	a	829	CLA	C11-C10-C8-C7
14	a	836	CLA	C11-C10-C8-C7
14	B	830	CLA	C11-C10-C8-C7
14	L	206	CLA	C2-C3-C5-C6
14	G	825	CLA	C13-C15-C16-C17
14	H	831	CLA	C10-C11-C12-C13
14	b	828	CLA	C10-C11-C12-C13
14	a	804	CLA	O2A-C1-C2-C3
14	A	828	CLA	CAA-CBA-CGA-O1A
14	H	839	CLA	C13-C15-C16-C17
14	a	831	CLA	C16-C17-C18-C19
14	b	801	CLA	C16-C17-C18-C19
14	a	812	CLA	C4C-C3C-CAC-CBC
14	G	824	CLA	C13-C15-C16-C17
14	A	822	CLA	CAA-CBA-CGA-O2A
14	a	804	CLA	CAA-CBA-CGA-O1A
14	B	837	CLA	CAA-CBA-CGA-O2A
14	G	838	CLA	C3A-C2A-CAA-CBA
14	a	852	CLA	C3A-C2A-CAA-CBA
14	H	805	CLA	C3A-C2A-CAA-CBA
14	A	816	CLA	CAA-CBA-CGA-O1A
14	A	817	CLA	CAA-CBA-CGA-O1A
14	G	822	CLA	CAA-CBA-CGA-O1A
14	B	812	CLA	CAA-CBA-CGA-O1A
13	G	801	CL0	C16-C17-C18-C19
17	A	850	LHG	C12-C13-C14-C15
14	b	835	CLA	CAA-CBA-CGA-O2A
14	A	824	CLA	C15-C16-C17-C18
13	a	801	CL0	CAA-CBA-CGA-O1A
14	F	201	CLA	CAA-CBA-CGA-O1A
14	G	816	CLA	CAA-CBA-CGA-O1A
14	H	812	CLA	CAA-CBA-CGA-O1A
14	Q	201	CLA	CAA-CBA-CGA-O1A
14	H	807	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	H	837	CLA	CAA-CBA-CGA-O1A
14	A	836	CLA	C14-C13-C15-C16
14	G	836	CLA	C14-C13-C15-C16
14	B	804	CLA	C11-C10-C8-C9
14	B	805	CLA	C14-C13-C15-C16
14	b	817	CLA	C11-C10-C8-C9
14	A	804	CLA	CAA-CBA-CGA-O1A
14	A	806	CLA	CAA-CBA-CGA-O1A
14	B	819	CLA	CAA-CBA-CGA-O1A
16	H	844	BCR	C9-C10-C11-C12
16	L	209	BCR	C9-C10-C11-C12
14	j	1302	CLA	CAA-CBA-CGA-O2A
14	G	802	CLA	C5-C6-C7-C8
14	H	810	CLA	CAA-CBA-CGA-O1A
14	H	807	CLA	O1A-CGA-O2A-C1
14	G	809	CLA	CAA-CBA-CGA-O1A
14	a	822	CLA	CAA-CBA-CGA-O1A
14	U	201	CLA	CAA-CBA-CGA-O1A
14	H	808	CLA	C15-C16-C17-C18
16	G	847	BCR	C17-C18-C19-C20
16	H	845	BCR	C17-C18-C19-C20
16	b	847	BCR	C21-C22-C23-C24
17	A	851	LHG	O10-C23-C24-C25
14	G	804	CLA	CAA-CBA-CGA-O1A
14	G	806	CLA	CAA-CBA-CGA-O1A
14	B	810	CLA	CAA-CBA-CGA-O1A
14	a	825	CLA	C13-C15-C16-C17
14	a	816	CLA	CAA-CBA-CGA-O1A
14	B	824	CLA	CAA-CBA-CGA-O1A
14	B	839	CLA	CAA-CBA-CGA-O1A
14	H	815	CLA	CAA-CBA-CGA-O1A
14	b	807	CLA	CAA-CBA-CGA-O1A
14	A	809	CLA	CAA-CBA-CGA-O1A
14	G	820	CLA	CAA-CBA-CGA-O1A
14	a	806	CLA	CAA-CBA-CGA-O1A
14	a	820	CLA	CAA-CBA-CGA-O1A
14	H	839	CLA	CAA-CBA-CGA-O1A
14	b	821	CLA	CAA-CBA-CGA-O1A
14	A	803	CLA	C4-C3-C5-C6
14	a	826	CLA	C10-C11-C12-C13
14	b	812	CLA	C5-C6-C7-C8
14	B	801	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	b	816	CLA	C2-C3-C5-C6
14	a	809	CLA	CAA-CBA-CGA-O1A
14	B	812	CLA	C15-C16-C17-C18
16	b	848	BCR	C19-C20-C21-C22
14	A	811	CLA	CAA-CBA-CGA-O1A
14	H	824	CLA	CAA-CBA-CGA-O1A
14	b	809	CLA	CAA-CBA-CGA-O1A
14	b	831	CLA	CAA-CBA-CGA-O1A
14	G	812	CLA	CAD-CBD-CGD-O2D
14	G	819	CLA	CAD-CBD-CGD-O2D
14	a	816	CLA	CAD-CBD-CGD-O2D
14	B	832	CLA	CAD-CBD-CGD-O2D
14	B	835	CLA	CAD-CBD-CGD-O2D
14	b	808	CLA	CAD-CBD-CGD-O2D
14	b	833	CLA	CAD-CBD-CGD-O2D
14	x	1701	CLA	CAD-CBD-CGD-O2D
14	A	802	CLA	C5-C6-C7-C8
14	A	820	CLA	CAA-CBA-CGA-O1A
14	b	812	CLA	CAA-CBA-CGA-O1A
14	R	101	CLA	CAA-CBA-CGA-O1A
14	a	802	CLA	C8-C10-C11-C12
14	H	816	CLA	C13-C15-C16-C17
14	G	812	CLA	C4C-C3C-CAC-CBC
14	A	829	CLA	C2-C1-O2A-CGA
14	B	819	CLA	C2-C1-O2A-CGA
14	H	810	CLA	C2-C1-O2A-CGA
14	j	1302	CLA	CAA-CBA-CGA-O1A
14	B	815	CLA	CAA-CBA-CGA-O1A
14	L	201	CLA	CAA-CBA-CGA-O1A
17	G	849	LHG	O9-C7-C8-C9
14	B	837	CLA	CAA-CBA-CGA-O1A
14	J	1302	CLA	CAA-CBA-CGA-O2A
14	A	812	CLA	CAA-CBA-CGA-O2A
14	A	827	CLA	CAA-CBA-CGA-O2A
14	B	838	CLA	CAA-CBA-CGA-O2A
14	b	836	CLA	CAA-CBA-CGA-O2A
14	m	1201	CLA	CAA-CBA-CGA-O2A
17	A	850	LHG	O7-C7-C8-C9
17	a	850	LHG	O7-C7-C8-C9
14	G	802	CLA	C8-C10-C11-C12
14	b	806	CLA	C15-C16-C17-C18
14	b	829	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	b	835	CLA	CAA-CBA-CGA-O1A
14	A	822	CLA	CAA-CBA-CGA-O1A
17	G	849	LHG	C7-C8-C9-C10
14	G	811	CLA	CAA-CBA-CGA-O1A
14	a	811	CLA	CAA-CBA-CGA-O1A
14	H	819	CLA	CAA-CBA-CGA-O1A
14	b	837	CLA	CAA-CBA-CGA-O1A

There are no ring outliers.

266 monomers are involved in 497 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	a	848	BCR	3	0
14	b	805	CLA	1	0
14	H	828	CLA	1	0
16	b	842	BCR	3	0
14	b	827	CLA	5	0
14	G	827	CLA	10	0
16	G	845	BCR	2	0
16	U	208	BCR	1	0
14	a	827	CLA	7	0
14	b	815	CLA	1	0
14	a	809	CLA	2	0
14	A	805	CLA	3	0
16	B	849	BCR	1	0
19	H	851	LMG	3	0
14	A	812	CLA	4	0
14	G	828	CLA	1	0
14	U	206	CLA	1	0
16	M	1602	BCR	3	0
14	a	816	CLA	3	0
14	B	803	CLA	2	0
14	G	836	CLA	2	0
16	G	848	BCR	3	0
16	H	852	BCR	2	0
14	A	831	CLA	3	0
14	a	819	CLA	1	0
14	b	819	CLA	1	0
18	c	102	SF4	1	0
16	F	202	BCR	2	0
14	H	826	CLA	8	0
16	B	848	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	H	846	BCR	2	0
14	b	808	CLA	1	0
14	b	829	CLA	3	0
14	V	1601	CLA	3	0
17	G	850	LHG	1	0
14	a	832	CLA	1	0
14	m	1202	CLA	2	0
14	L	201	CLA	1	0
16	A	844	BCR	1	0
17	a	851	LHG	1	0
14	a	813	CLA	1	0
14	U	207	CLA	1	0
16	G	844	BCR	1	0
14	A	820	CLA	2	0
14	B	805	CLA	4	0
14	B	801	CLA	3	0
14	G	808	CLA	3	0
14	H	812	CLA	1	0
16	l	206	BCR	1	0
14	a	824	CLA	2	0
14	A	807	CLA	3	0
16	H	849	BCR	1	0
14	G	824	CLA	2	0
14	b	818	CLA	2	0
14	H	809	CLA	4	0
14	H	838	CLA	1	0
14	B	830	CLA	7	0
14	B	821	CLA	2	0
14	A	803	CLA	2	0
14	G	825	CLA	4	0
14	a	812	CLA	2	0
14	B	838	CLA	2	0
14	b	823	CLA	8	0
14	a	805	CLA	2	0
14	H	832	CLA	3	0
14	a	840	CLA	2	0
14	a	831	CLA	2	0
16	i	101	BCR	3	0
16	S	103	BCR	3	0
14	a	820	CLA	2	0
14	B	808	CLA	1	0
14	a	802	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	H	805	CLA	3	0
14	G	818	CLA	1	0
14	G	802	CLA	1	0
16	b	845	BCR	2	0
14	B	841	CLA	4	0
14	A	813	CLA	1	0
16	L	202	BCR	1	0
15	b	841	PQN	3	0
14	b	826	CLA	4	0
14	b	813	CLA	3	0
14	l	205	CLA	1	0
14	a	829	CLA	2	0
14	A	833	CLA	1	0
14	A	836	CLA	1	0
14	a	818	CLA	1	0
14	a	807	CLA	3	0
16	l	202	BCR	5	0
14	A	839	CLA	2	0
14	G	831	CLA	4	0
14	G	816	CLA	2	0
16	G	847	BCR	1	0
16	B	852	BCR	2	0
14	B	829	CLA	4	0
14	G	805	CLA	2	0
14	G	820	CLA	2	0
14	A	840	CLA	3	0
14	A	828	CLA	1	0
14	F	201	CLA	1	0
16	H	844	BCR	3	0
14	b	839	CLA	2	0
14	B	811	CLA	1	0
14	x	1701	CLA	2	0
14	A	832	CLA	1	0
17	G	849	LHG	1	0
16	m	1203	BCR	3	0
14	A	804	CLA	2	0
14	A	824	CLA	1	0
14	H	811	CLA	1	0
14	b	809	CLA	1	0
14	b	838	CLA	1	0
14	b	812	CLA	1	0
16	a	844	BCR	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	H	820	CLA	2	0
16	l	201	BCR	1	0
14	B	818	CLA	1	0
16	b	843	BCR	1	0
14	b	831	CLA	2	0
15	A	843	PQN	3	0
14	G	819	CLA	1	0
16	A	848	BCR	3	0
14	H	836	CLA	1	0
14	b	840	CLA	1	0
15	a	843	PQN	3	0
16	f	201	BCR	3	0
16	L	209	BCR	5	0
14	B	819	CLA	1	0
14	G	803	CLA	4	0
16	A	849	BCR	2	0
16	G	846	BCR	6	0
14	H	840	CLA	1	0
14	G	812	CLA	3	0
14	B	832	CLA	4	0
14	W	1701	CLA	1	0
14	L	205	CLA	1	0
14	U	201	CLA	2	0
14	G	840	CLA	4	0
14	A	825	CLA	2	0
14	H	839	CLA	4	0
16	b	844	BCR	3	0
14	b	806	CLA	4	0
14	H	815	CLA	2	0
14	a	836	CLA	4	0
14	H	837	CLA	1	0
14	a	817	CLA	2	0
14	A	802	CLA	2	0
16	H	848	BCR	2	0
14	H	824	CLA	2	0
14	B	839	CLA	3	0
14	B	834	CLA	1	0
16	j	1304	BCR	3	0
16	A	845	BCR	2	0
14	a	804	CLA	3	0
14	A	842	CLA	1	0
14	G	841	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	808	CLA	3	0
14	B	822	CLA	1	0
14	a	810	CLA	1	0
15	H	843	PQN	3	0
14	R	101	CLA	1	0
14	a	853	CLA	6	0
14	G	829	CLA	3	0
14	b	807	CLA	1	0
16	A	847	BCR	4	0
14	H	806	CLA	4	0
14	B	840	CLA	1	0
14	b	837	CLA	3	0
16	B	850	BCR	4	0
14	G	826	CLA	1	0
14	A	852	CLA	2	0
16	V	1602	BCR	3	0
16	a	849	BCR	3	0
14	a	852	CLA	2	0
16	Q	203	BCR	2	0
14	B	816	CLA	1	0
14	H	829	CLA	3	0
14	b	817	CLA	2	0
16	B	847	BCR	2	0
14	b	836	CLA	3	0
14	A	816	CLA	2	0
14	a	825	CLA	2	0
16	B	845	BCR	1	0
14	A	827	CLA	10	0
15	G	842	PQN	2	0
14	B	826	CLA	4	0
14	a	803	CLA	3	0
16	H	850	BCR	4	0
14	G	851	CLA	3	0
14	B	809	CLA	5	0
14	H	817	CLA	1	0
14	A	819	CLA	1	0
14	M	1601	CLA	3	0
14	B	837	CLA	1	0
14	b	804	CLA	3	0
16	B	844	BCR	3	0
16	a	846	BCR	3	0
14	a	841	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	b	849	LMG	4	0
16	R	102	BCR	4	0
14	B	806	CLA	3	0
19	B	851	LMG	4	0
14	G	817	CLA	1	0
16	b	848	BCR	4	0
14	H	830	CLA	6	0
14	b	801	CLA	2	0
14	a	842	CLA	1	0
14	A	817	CLA	1	0
18	N	102	SF4	1	0
16	j	1305	BCR	3	0
16	J	1305	BCR	4	0
16	U	202	BCR	1	0
16	S	104	BCR	3	0
14	A	829	CLA	4	0
14	G	832	CLA	1	0
16	J	1304	BCR	2	0
14	H	841	CLA	1	0
16	G	843	BCR	2	0
14	A	811	CLA	1	0
16	B	846	BCR	2	0
16	U	203	BCR	6	0
14	X	1701	CLA	1	0
14	a	838	CLA	1	0
16	H	847	BCR	2	0
14	b	834	CLA	1	0
14	G	804	CLA	4	0
14	H	825	CLA	1	0
14	H	834	CLA	1	0
14	A	809	CLA	3	0
14	l	204	CLA	1	0
14	a	808	CLA	3	0
18	C	102	SF4	1	0
16	a	847	BCR	6	0
14	b	835	CLA	1	0
14	G	835	CLA	1	0
14	G	839	CLA	1	0
17	a	850	LHG	2	0
14	H	821	CLA	3	0
15	B	843	PQN	3	0
14	G	807	CLA	2	0

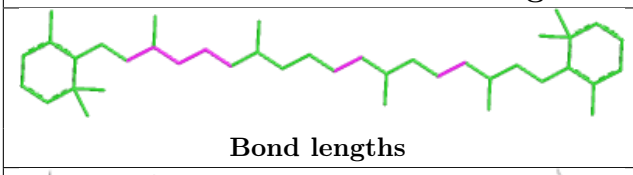
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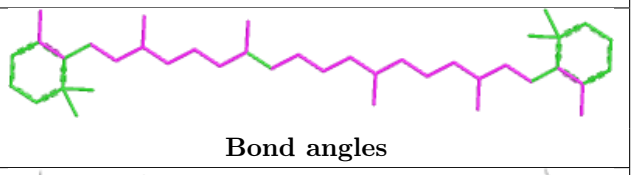
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	H	803	CLA	1	0
14	B	817	CLA	1	0
16	b	850	BCR	2	0
13	a	801	CL0	1	0
14	B	836	CLA	1	0
14	H	804	CLA	1	0
14	A	826	CLA	2	0
14	b	803	CLA	2	0
14	b	814	CLA	1	0
17	A	851	LHG	1	0
14	G	810	CLA	2	0
14	B	802	CLA	1	0
14	B	804	CLA	1	0
14	H	842	CLA	1	0
16	a	845	BCR	1	0
14	H	808	CLA	3	0
16	b	846	BCR	3	0
16	I	101	BCR	4	0
14	Q	201	CLA	2	0
14	H	810	CLA	1	0
16	A	846	BCR	1	0
14	a	811	CLA	1	0
14	H	801	CLA	1	0
14	G	811	CLA	1	0
16	b	847	BCR	1	0
14	B	820	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.

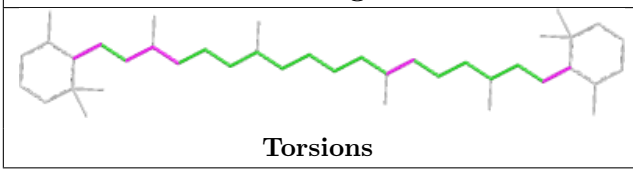
Ligand BCR a 848



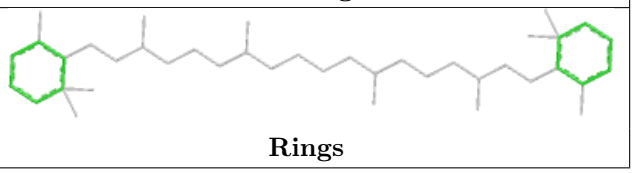
Bond lengths



Bond angles

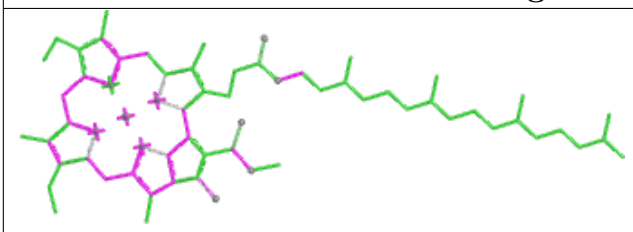


Torsions

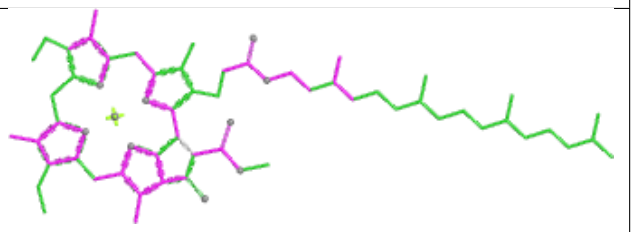


Rings

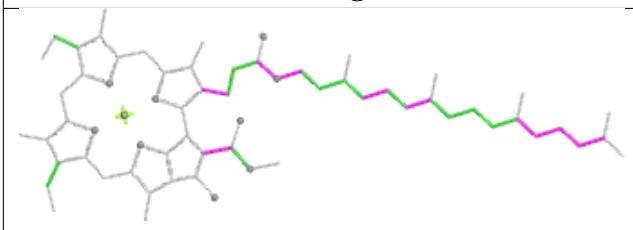
Ligand CLA b 805



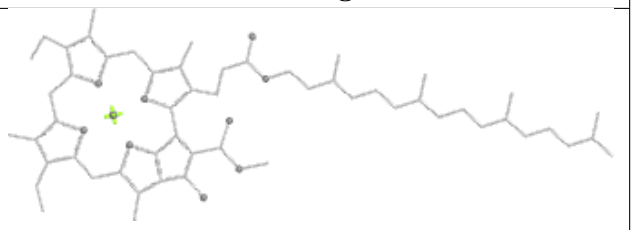
Bond lengths



Bond angles

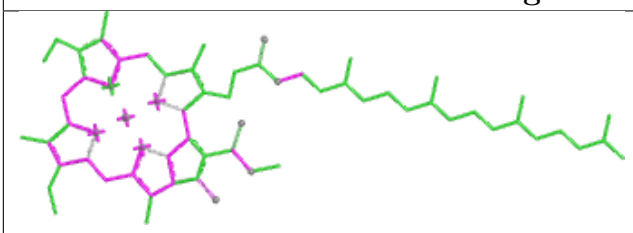


Torsions

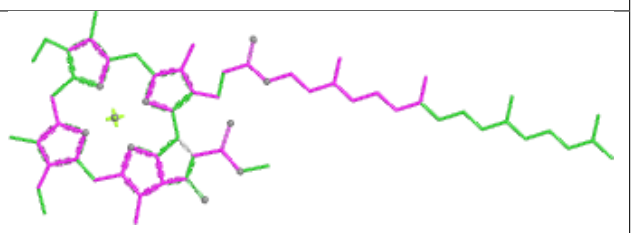


Rings

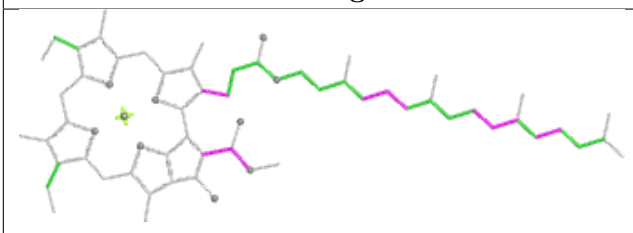
Ligand CLA H 828



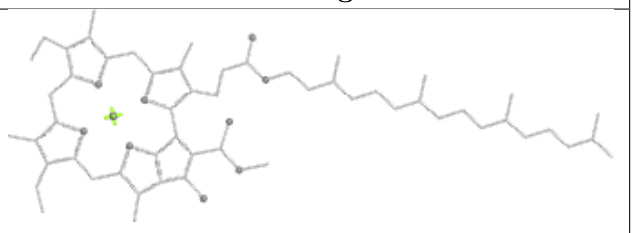
Bond lengths



Bond angles

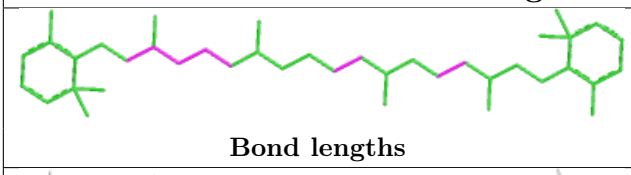


Torsions

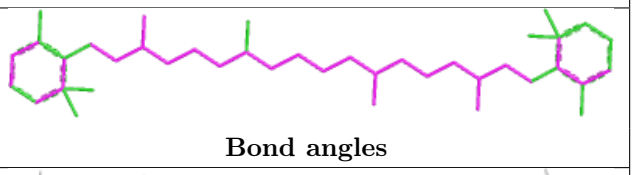


Rings

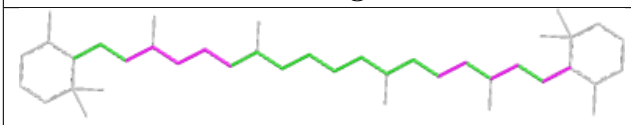
Ligand BCR b 842



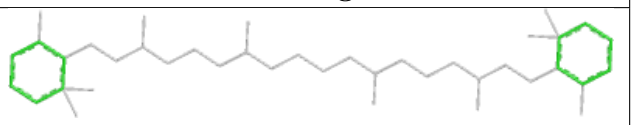
Bond lengths



Bond angles

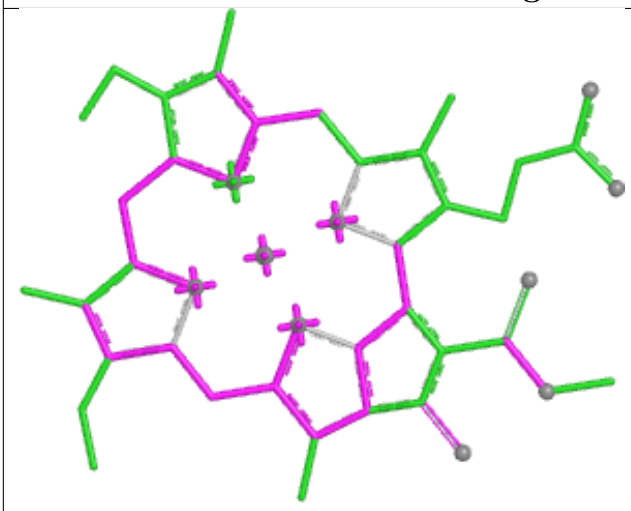


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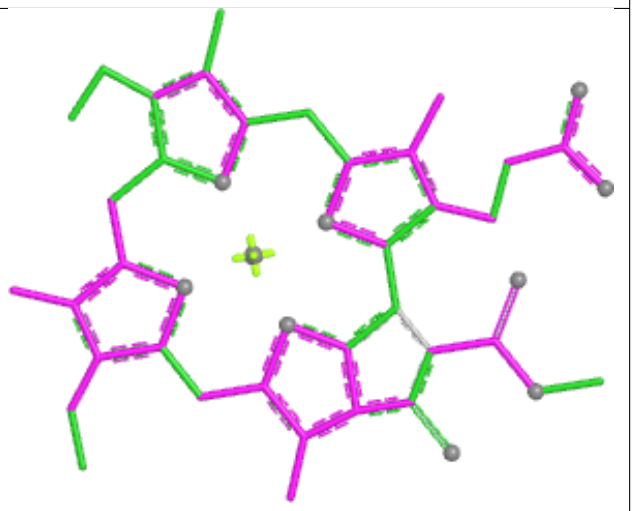


Rings

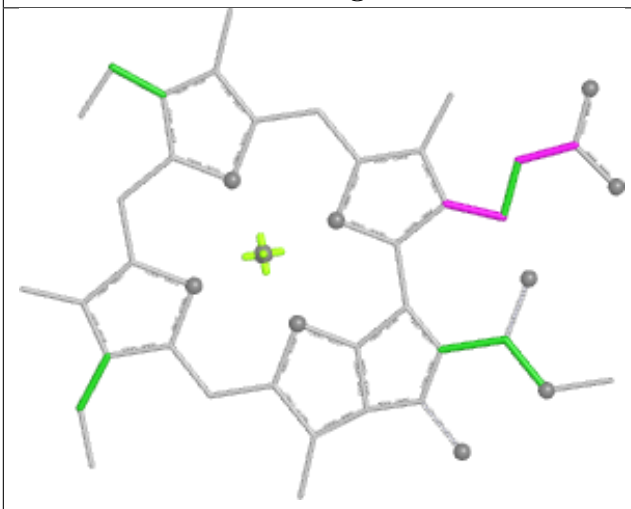
Ligand CLA G 837



Bond lengths



Bond angles

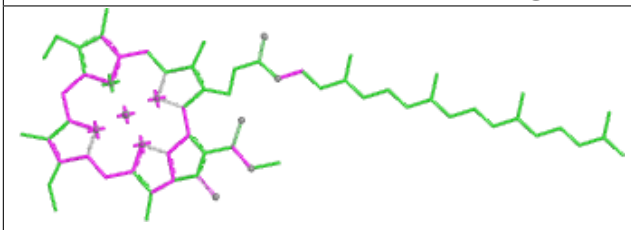


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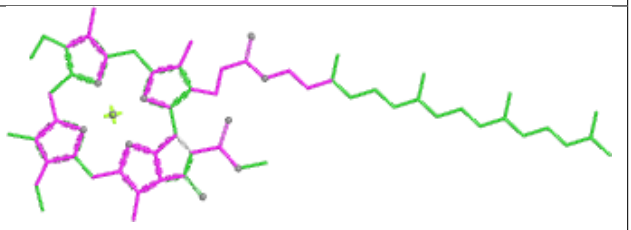


Rings

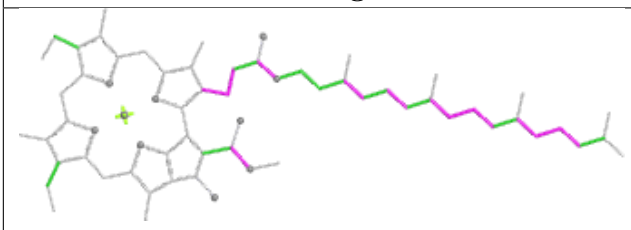
Ligand CLA b 827



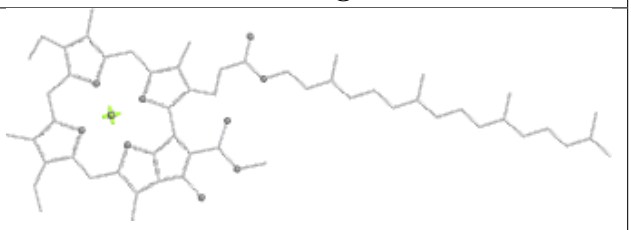
Bond lengths



Bond angles

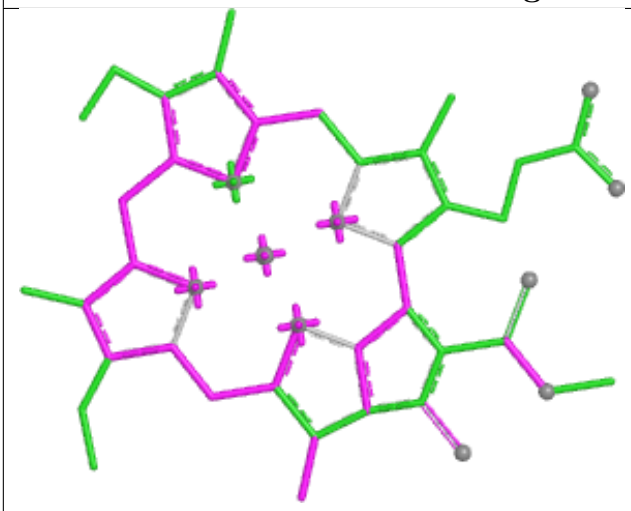


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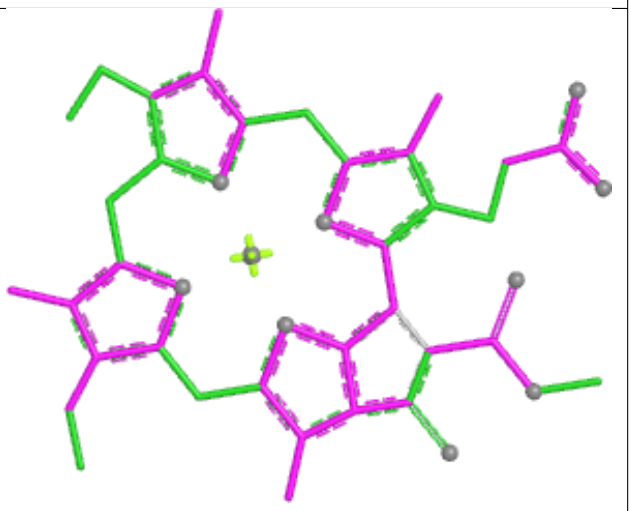


Rings

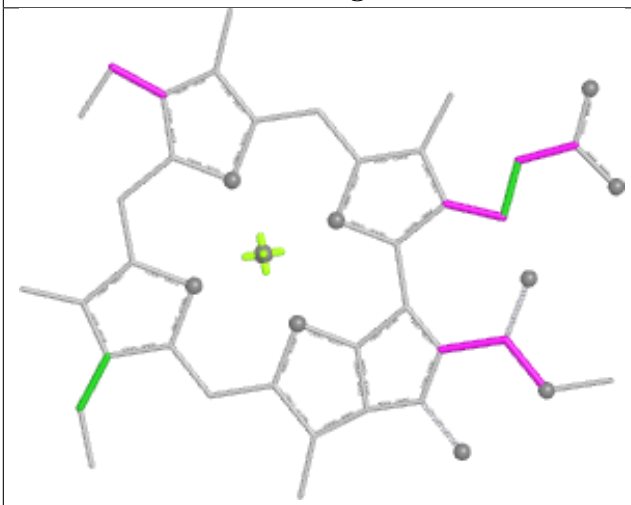
Ligand CLA H 822



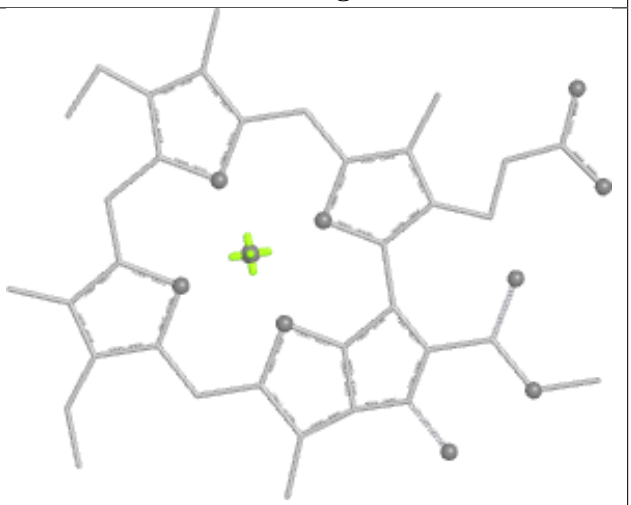
Bond lengths



Bond angles

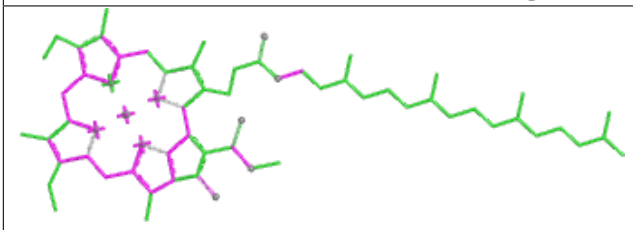


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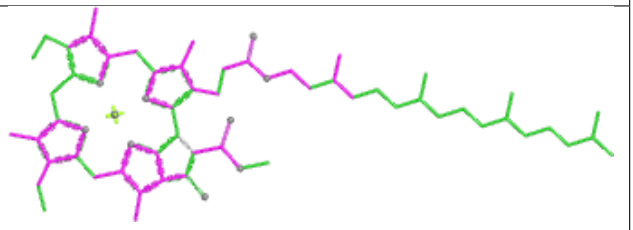


Rings

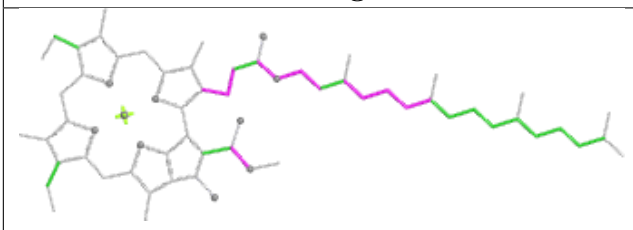
Ligand CLA G 827



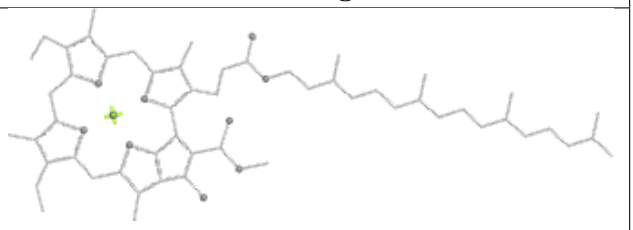
Bond lengths



Bond angles

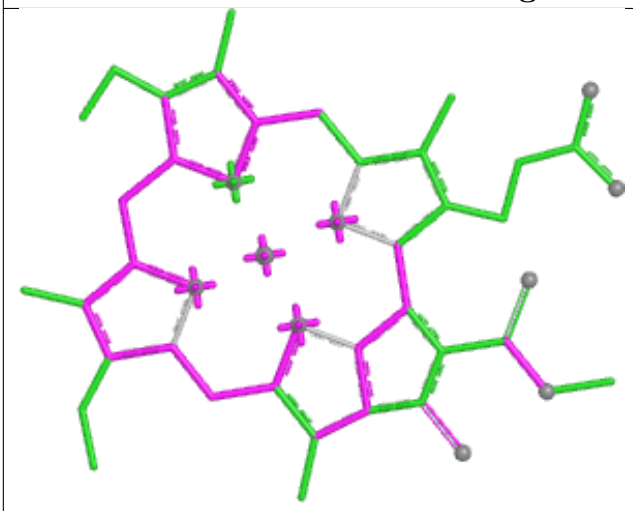


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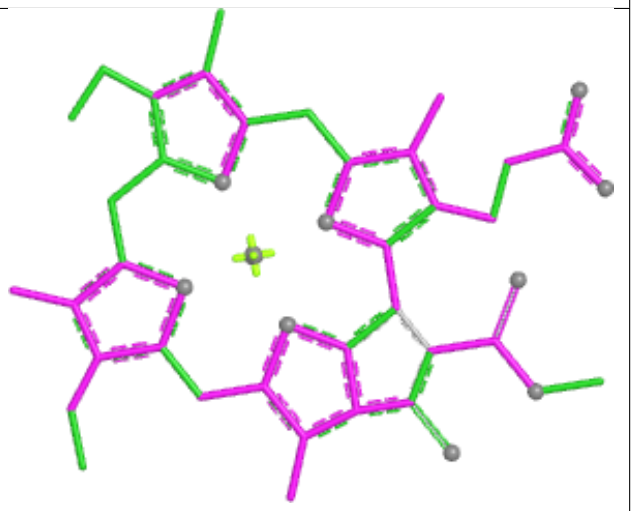


Rings

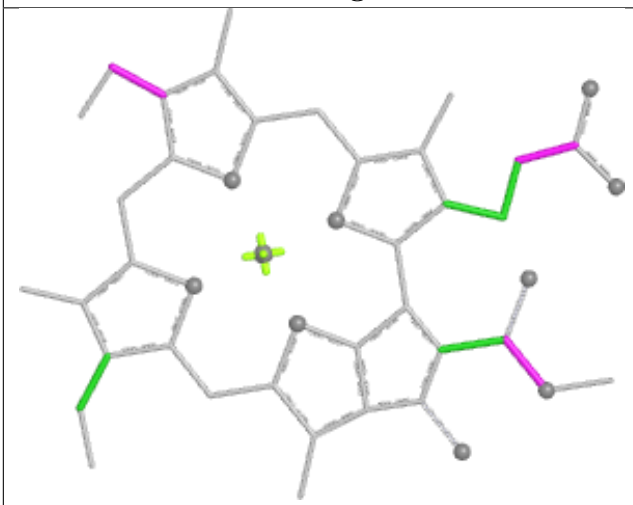
Ligand CLA J 1301



Bond lengths



Bond angles

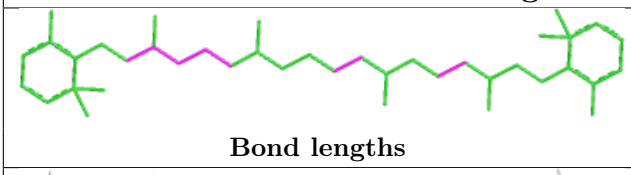


Torsions

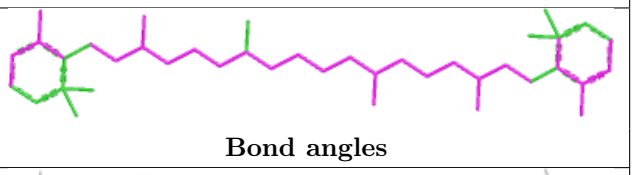


Rings

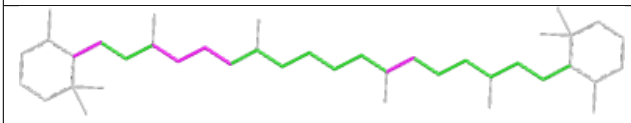
Ligand BCR G 845



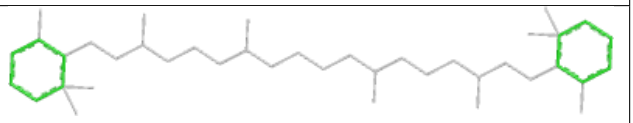
Bond lengths



Bond angles

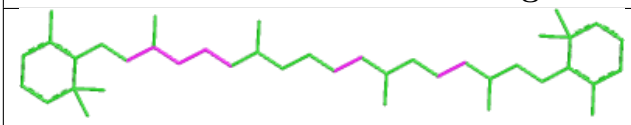


Torsions



Rings

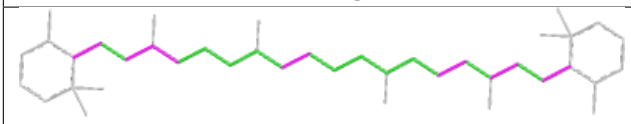
Ligand BCR U 208



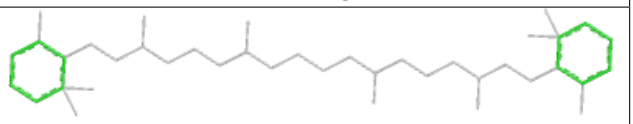
Bond lengths



Bond angles

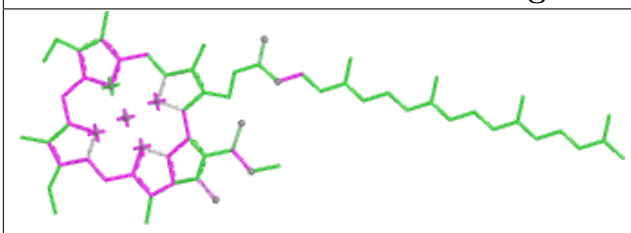


Torsions

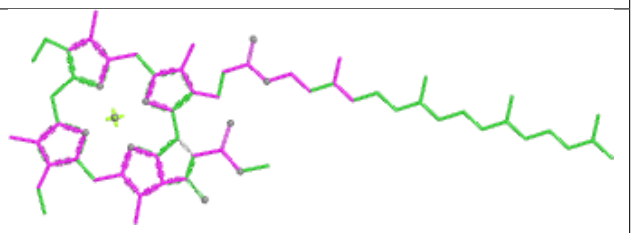


Rings

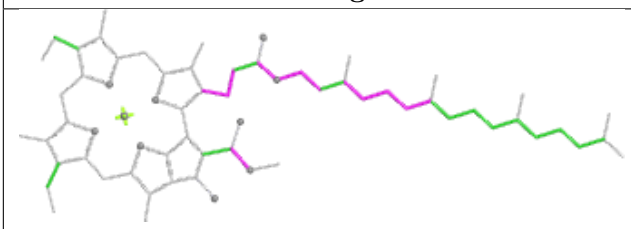
Ligand CLA a 827



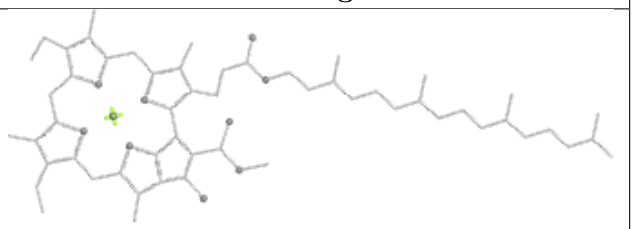
Bond lengths



Bond angles

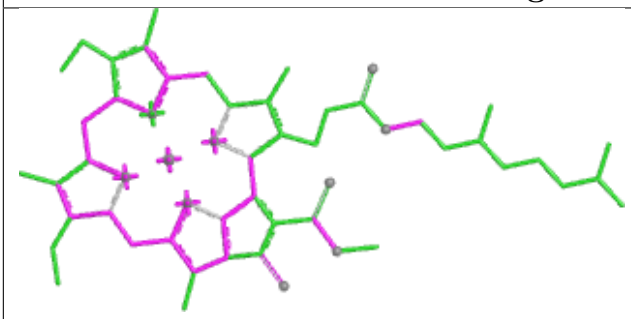


Torsions

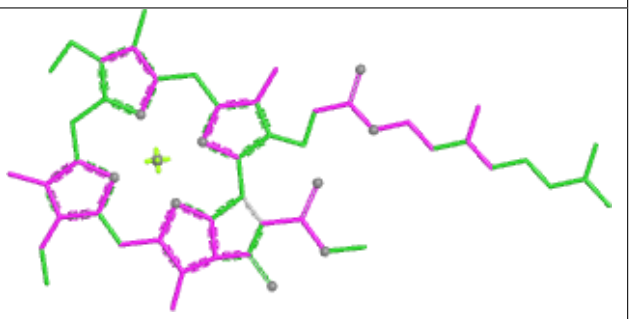


Rings

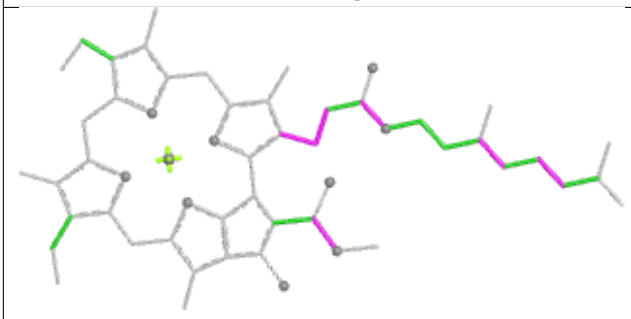
Ligand CLA b 815



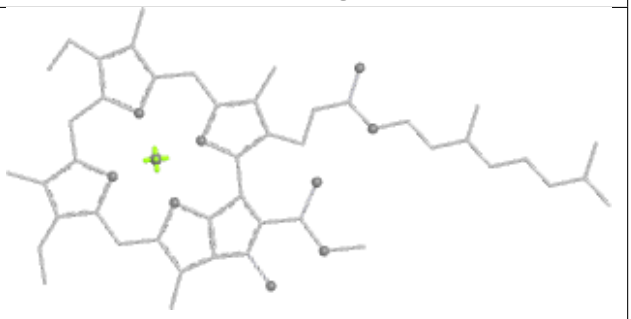
Bond lengths



Bond angles

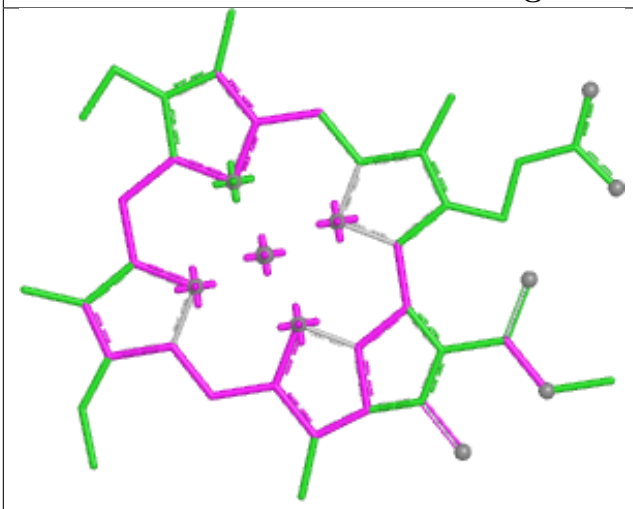


Torsions

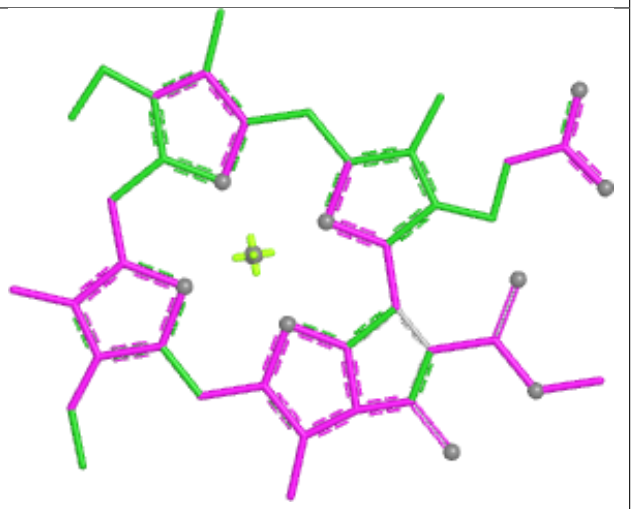


Rings

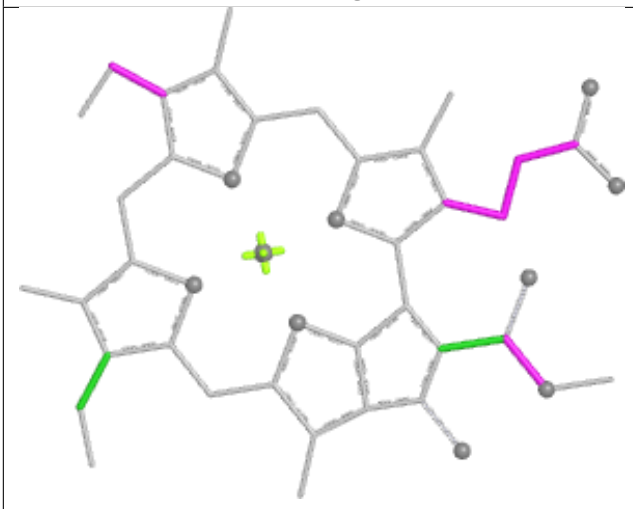
Ligand CLA B 833



Bond lengths



Bond angles

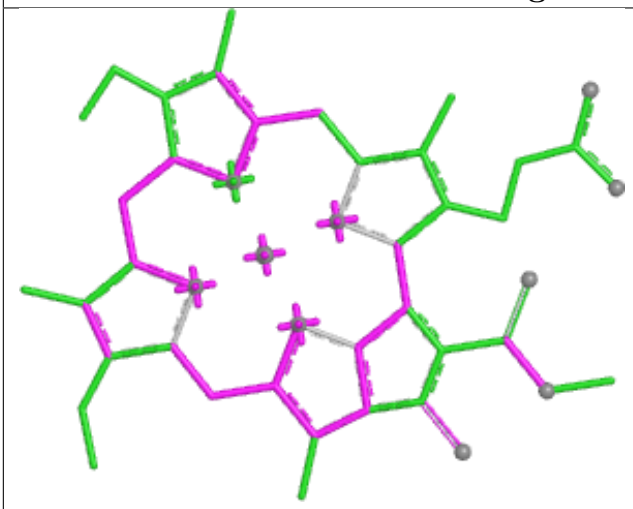


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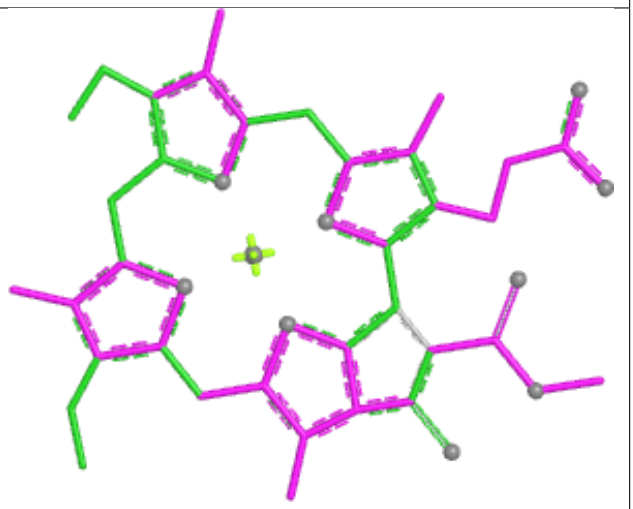


Rings

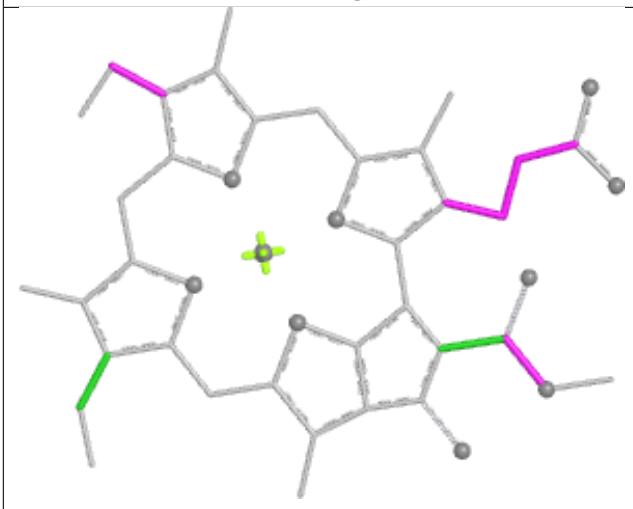
Ligand CLA a 809



Bond lengths



Bond angles

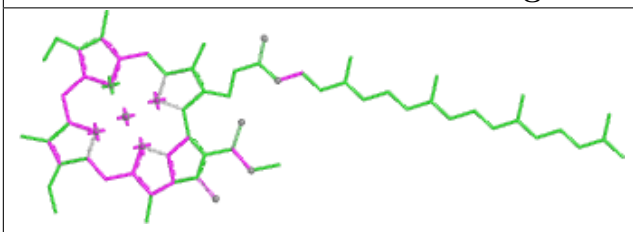


Torsions

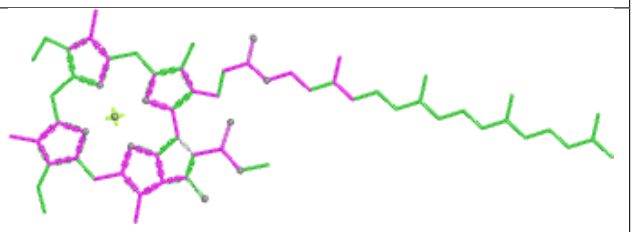


Rings

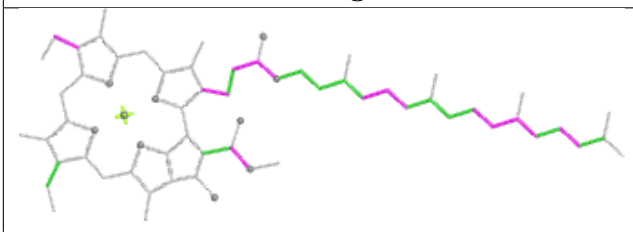
Ligand CLA A 805



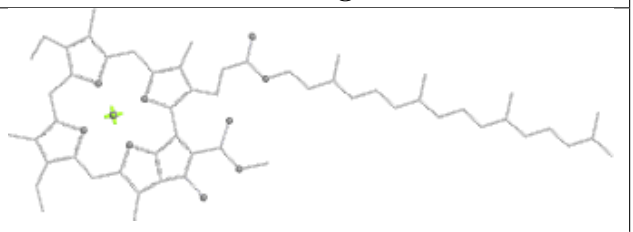
Bond lengths



Bond angles

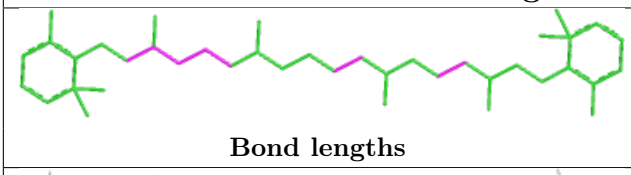


Torsions

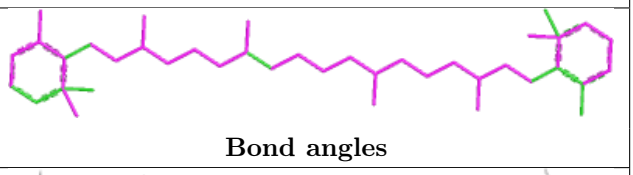


Rings

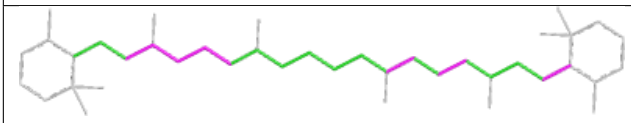
Ligand BCR B 849



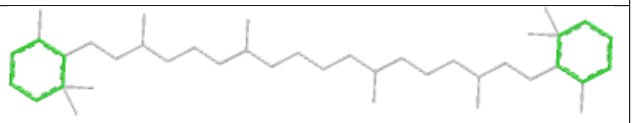
Bond lengths



Bond angles

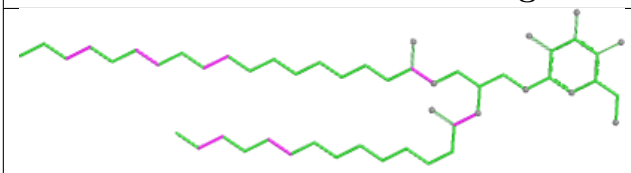


Torsions

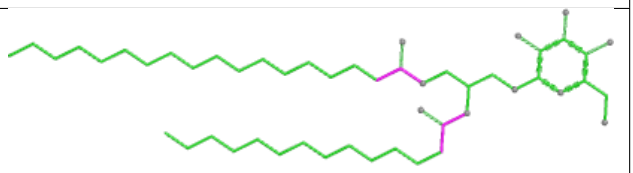


Rings

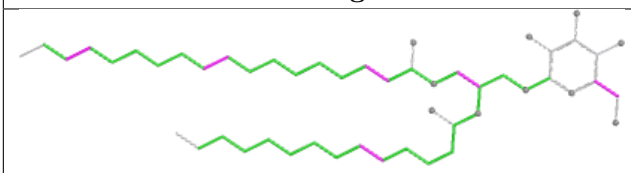
Ligand LMG H 851



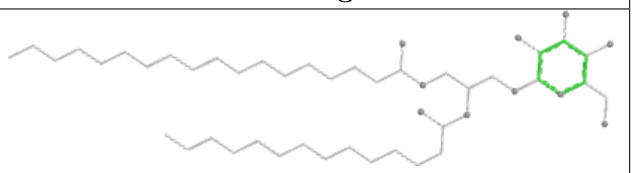
Bond lengths



Bond angles

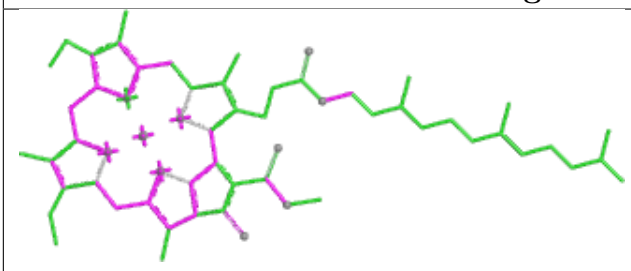


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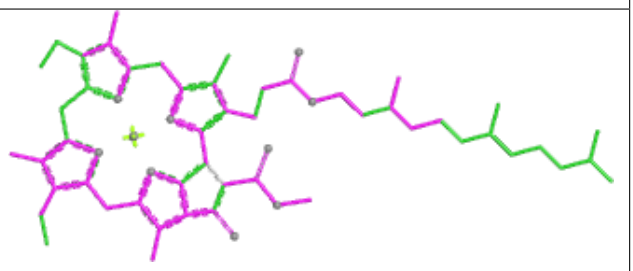


Rings

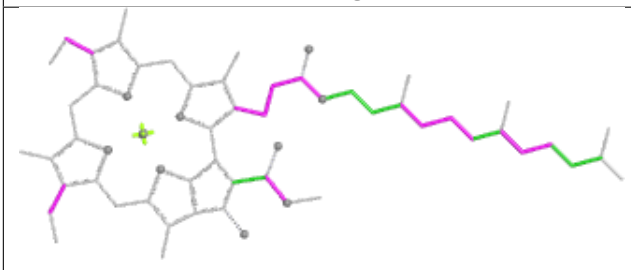
Ligand CLA A 812



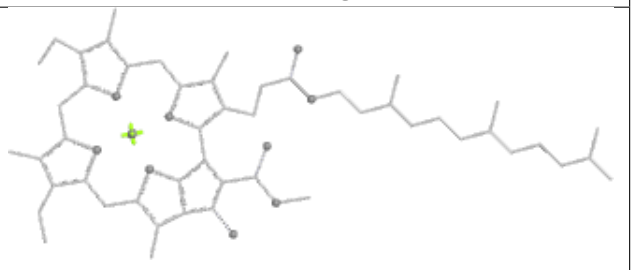
Bond lengths



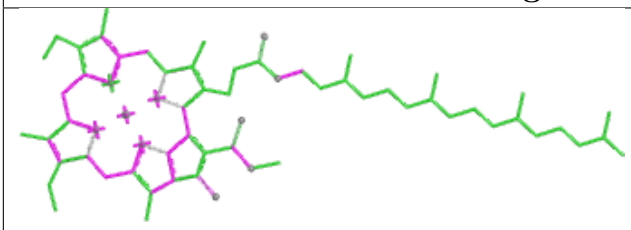
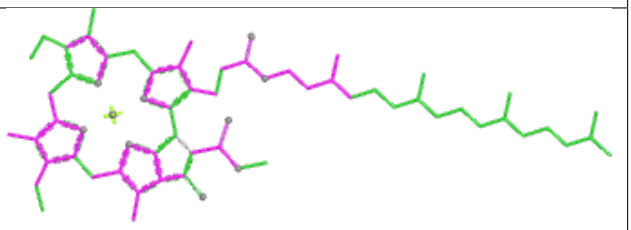
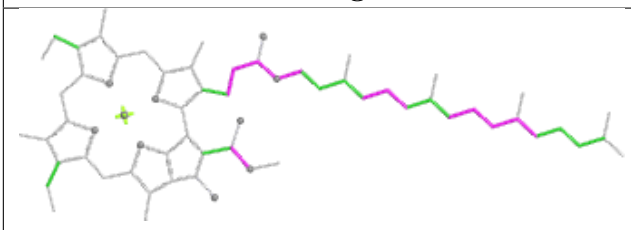
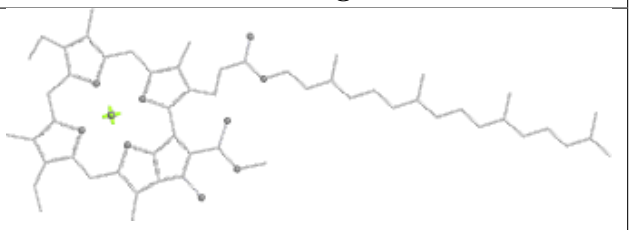
Bond angles

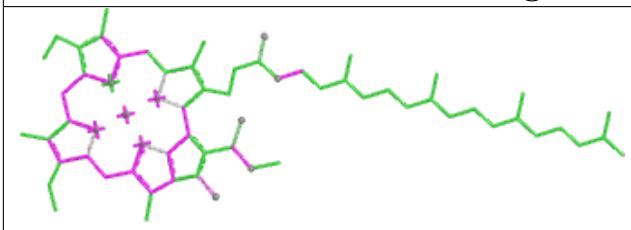
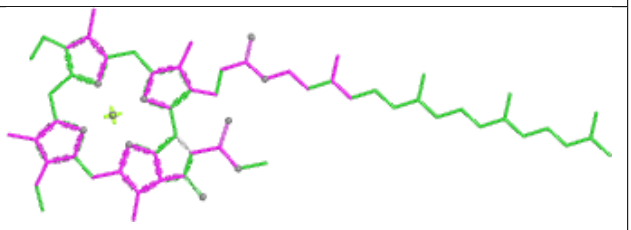
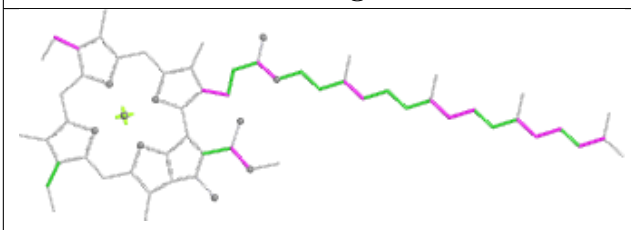
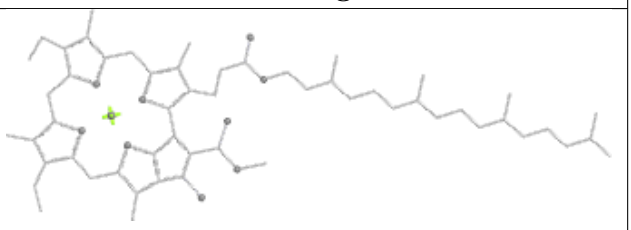


Torsions

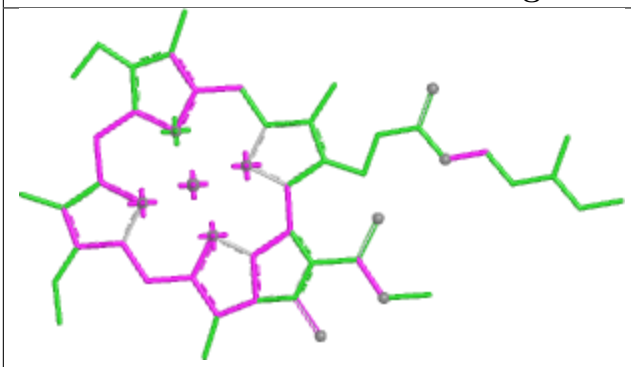


Rings

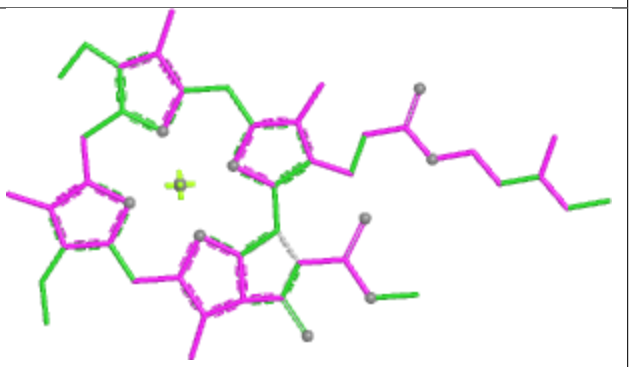
Ligand CLA G 828	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA U 206	
	
Bond lengths	Bond angles
	
Torsions	Rings

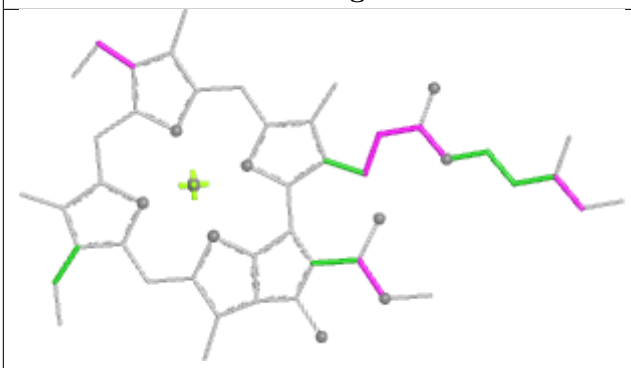
Ligand CLA G 822



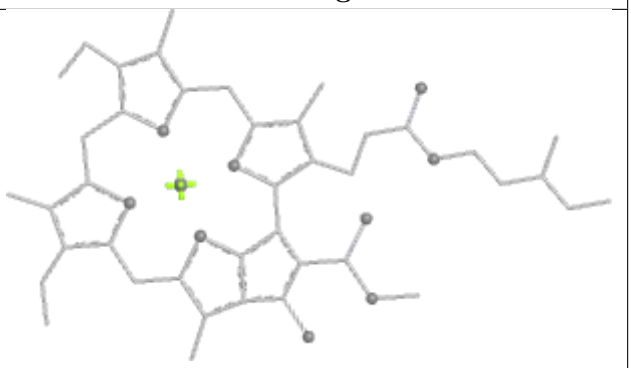
Bond lengths



Bond angles

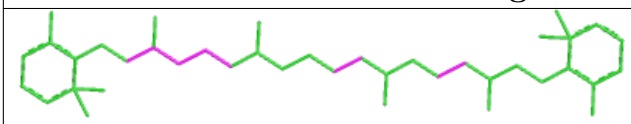


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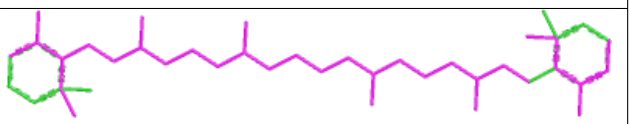


Rings

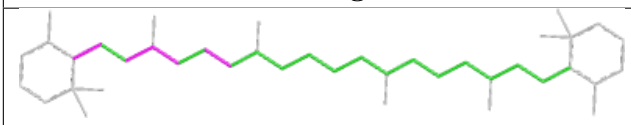
Ligand BCR M 1602



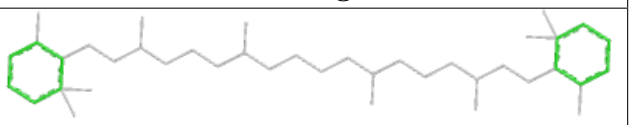
Bond lengths



Bond angles

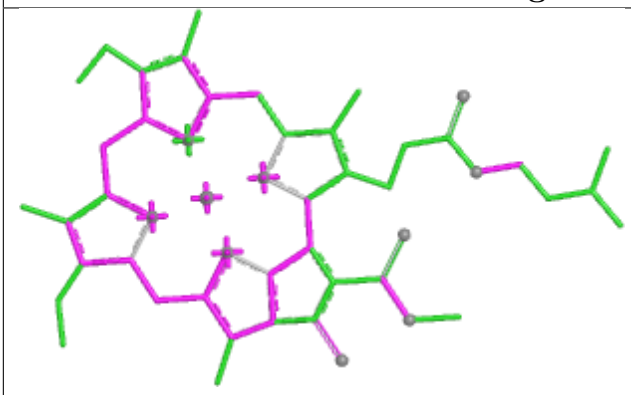


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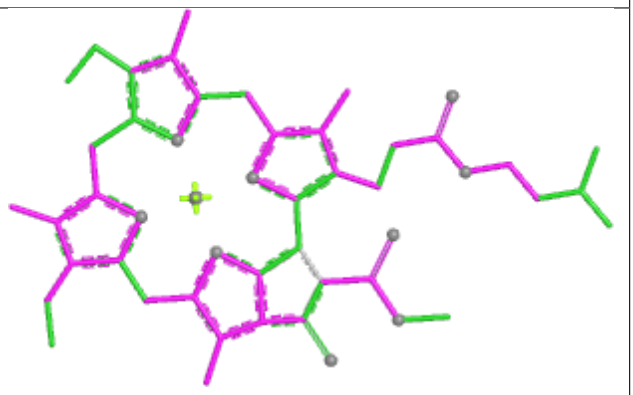


Rings

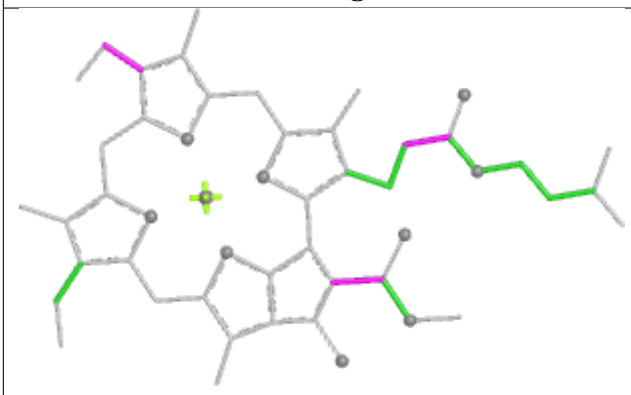
Ligand CLA a 816



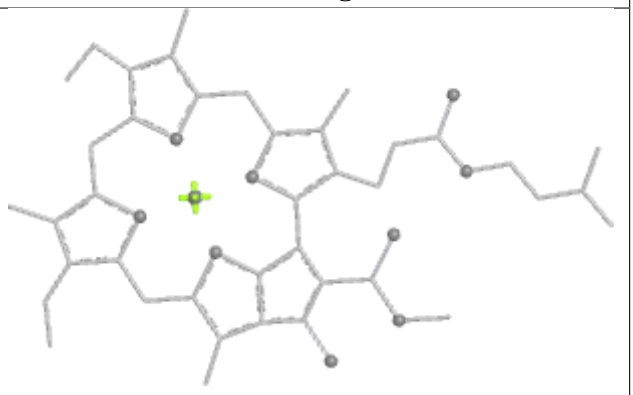
Bond lengths



Bond angles

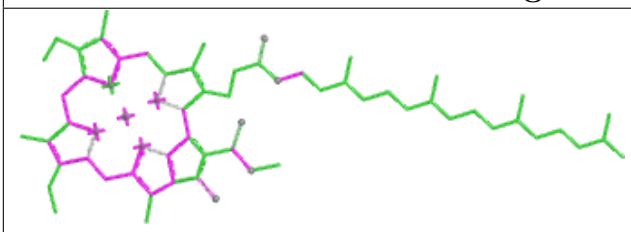


Torsions

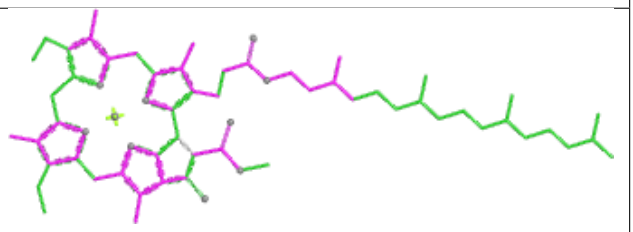


Rings

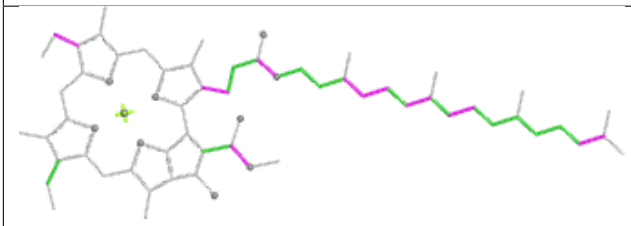
Ligand CLA B 803



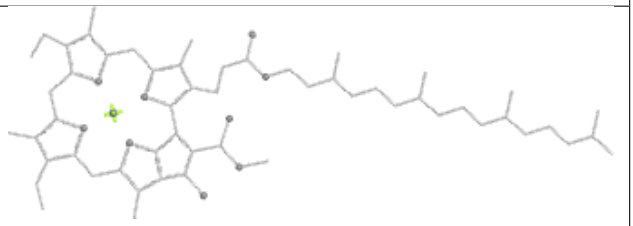
Bond lengths



Bond angles

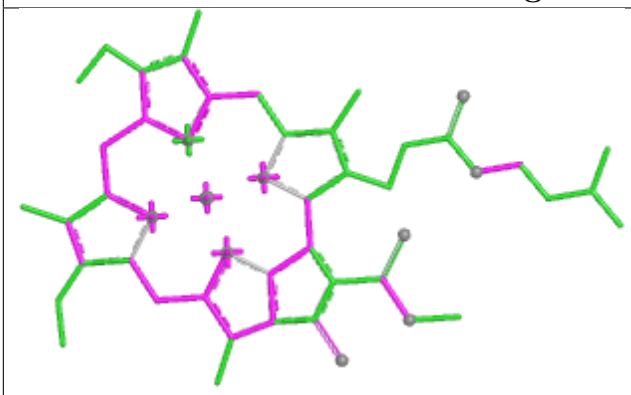


Torsions

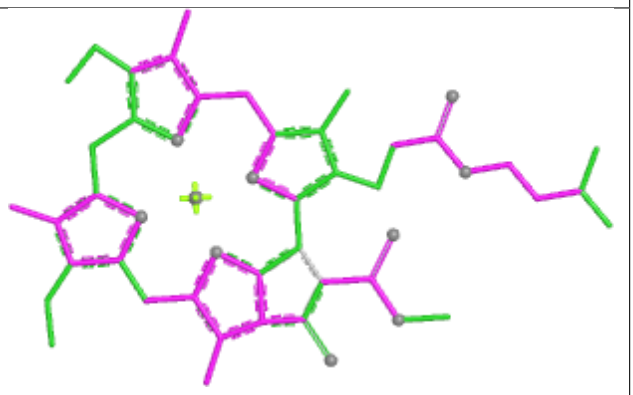


Rings

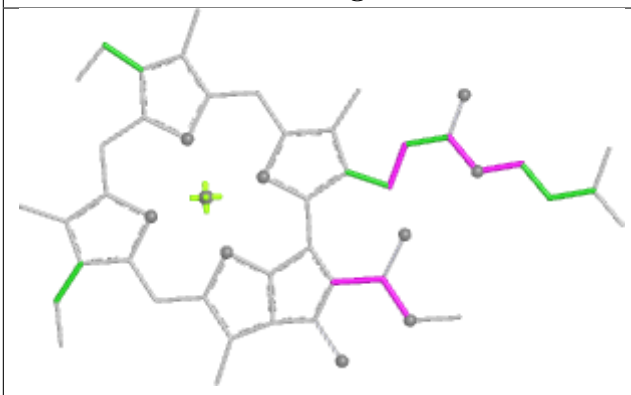
Ligand CLA B 807



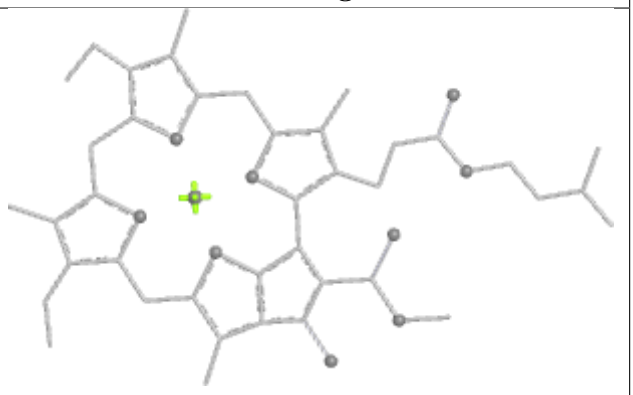
Bond lengths



Bond angles

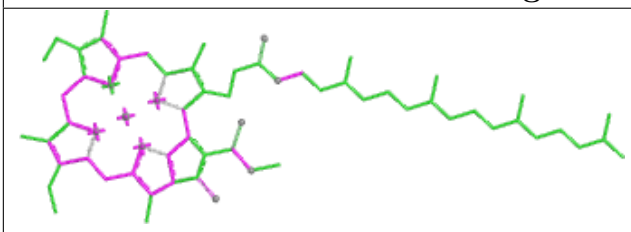


Torsions

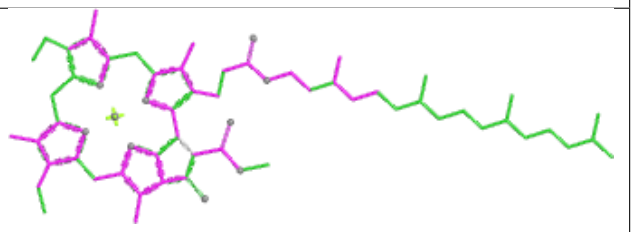


Rings

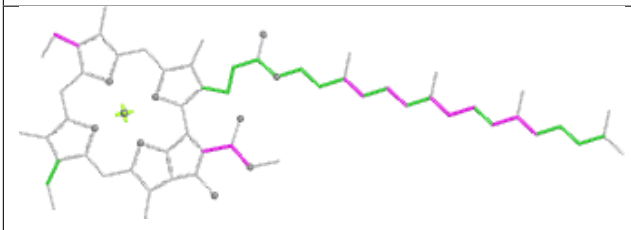
Ligand CLA G 836



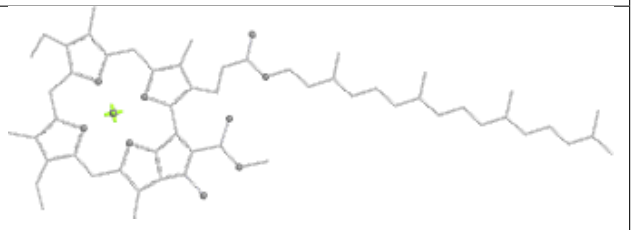
Bond lengths



Bond angles

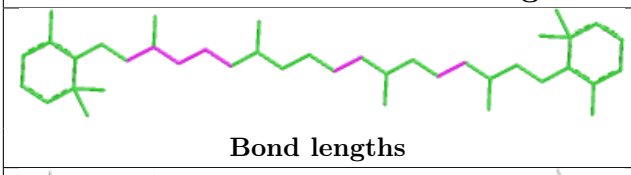


Torsions

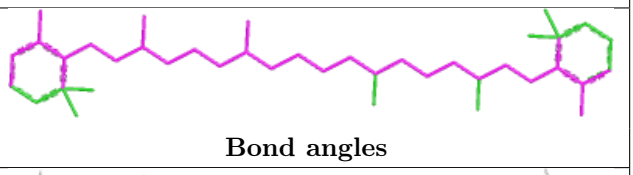


Rings

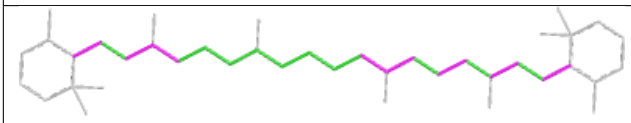
Ligand BCR G 848



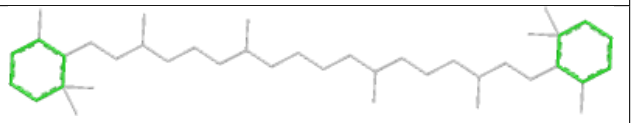
Bond lengths



Bond angles

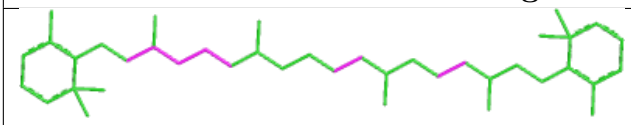


Torsions

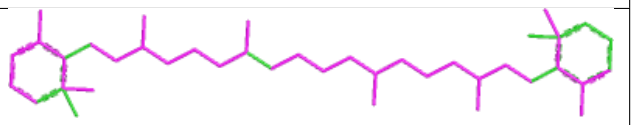


Rings

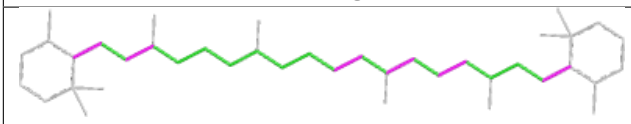
Ligand BCR H 852



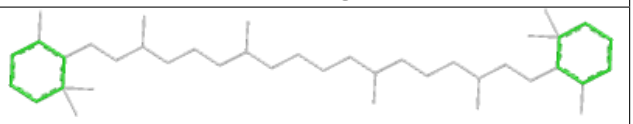
Bond lengths



Bond angles

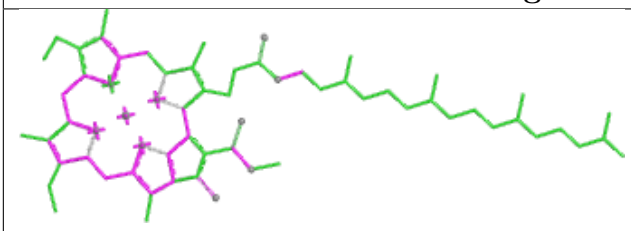


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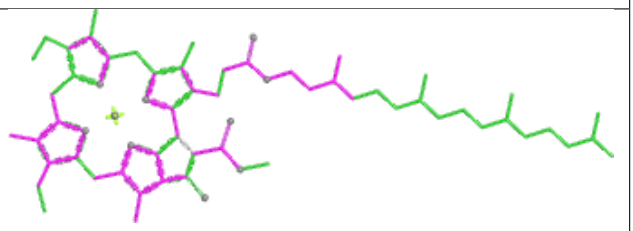


Rings

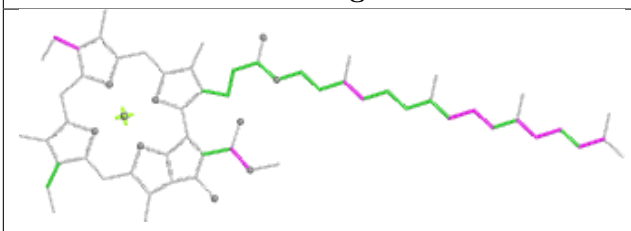
Ligand CLA A 831



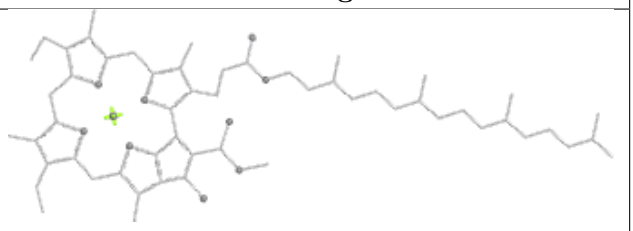
Bond lengths



Bond angles

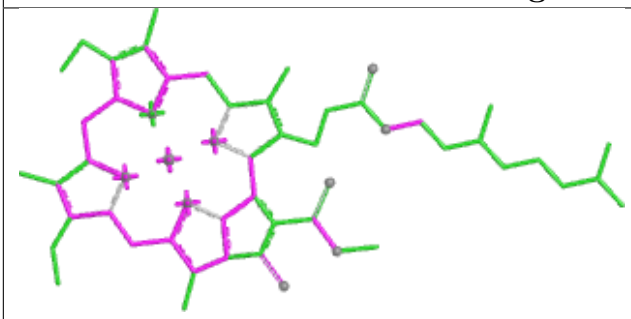


Torsions

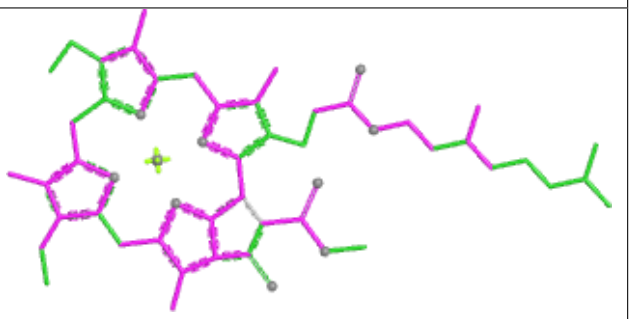


Rings

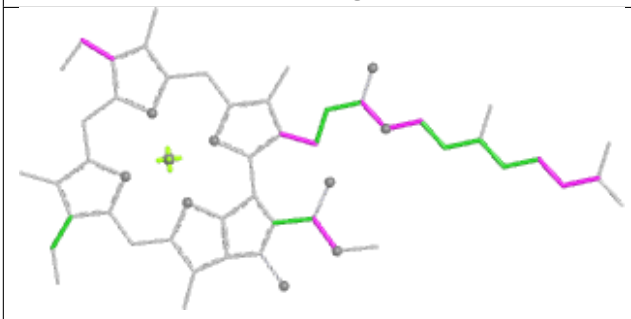
Ligand CLA a 819



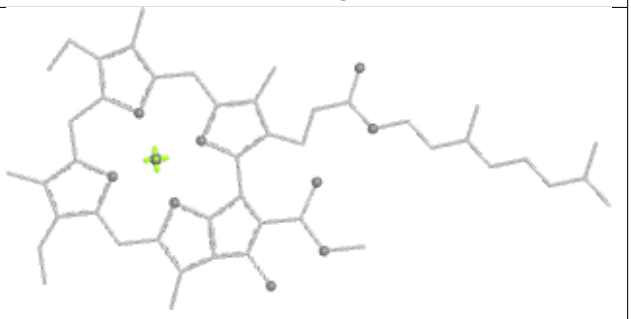
Bond lengths



Bond angles

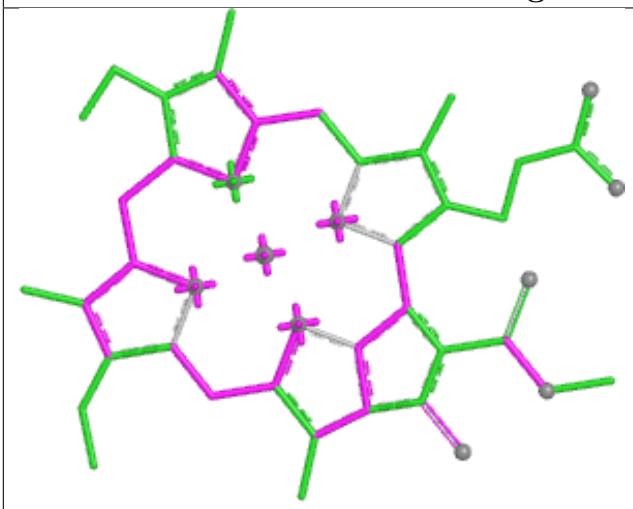


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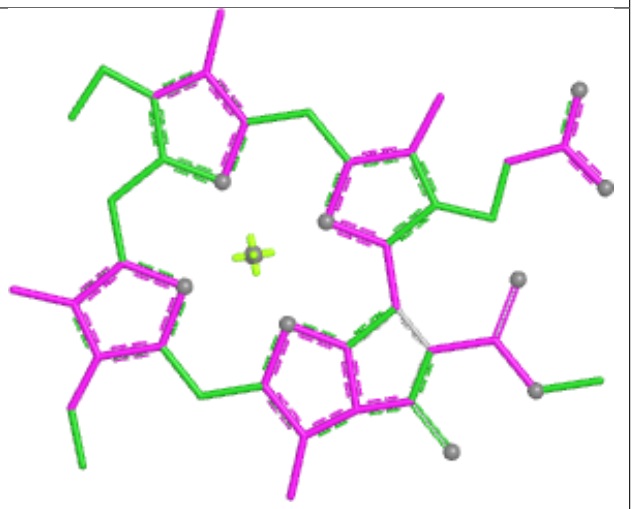


Rings

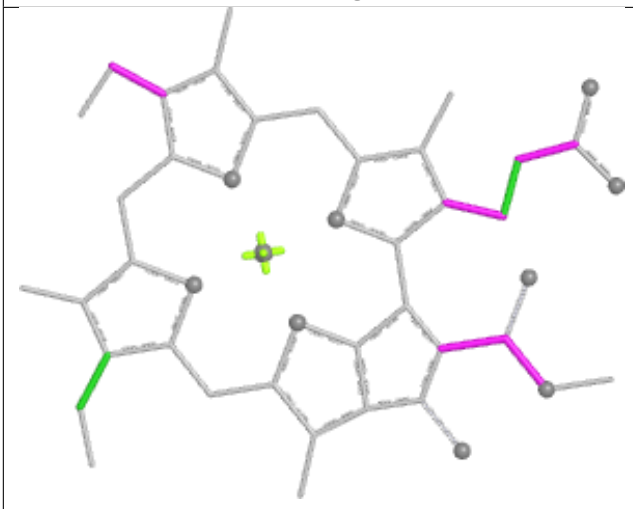
Ligand CLA b 819



Bond lengths



Bond angles

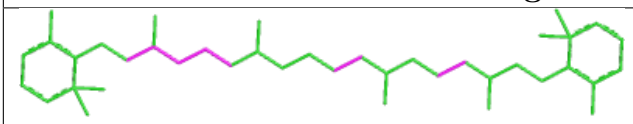


Torsions

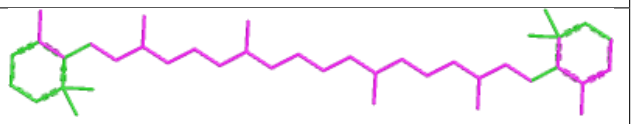


Rings

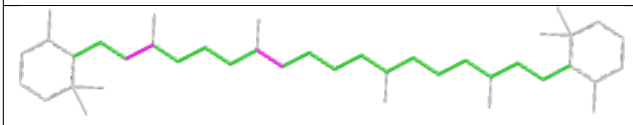
Ligand BCR F 202



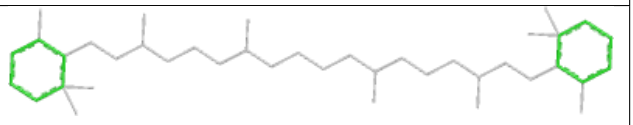
Bond lengths



Bond angles

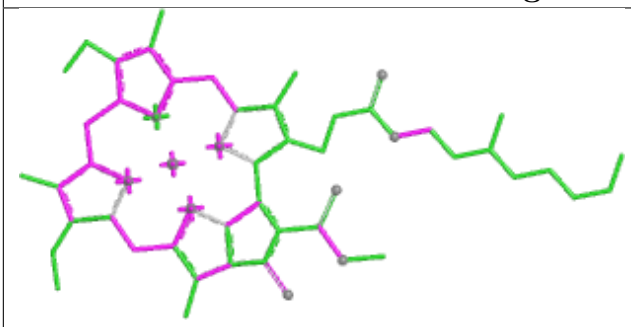


Torsions

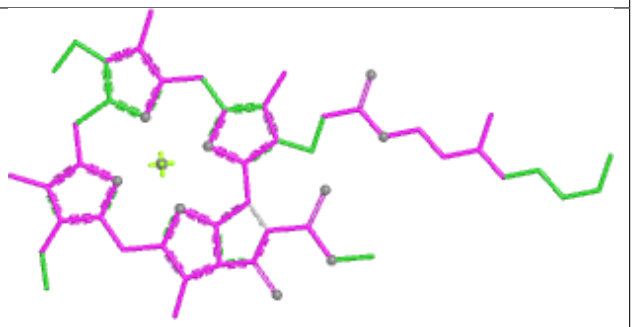


Rings

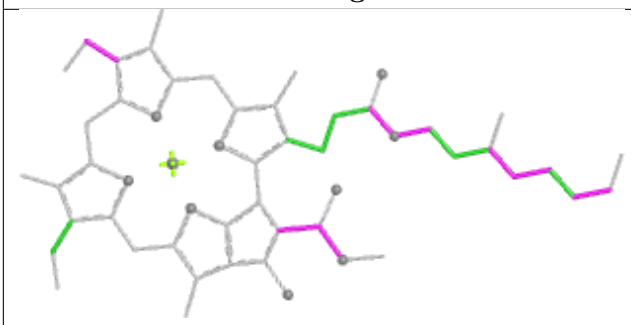
Ligand CLA H 826



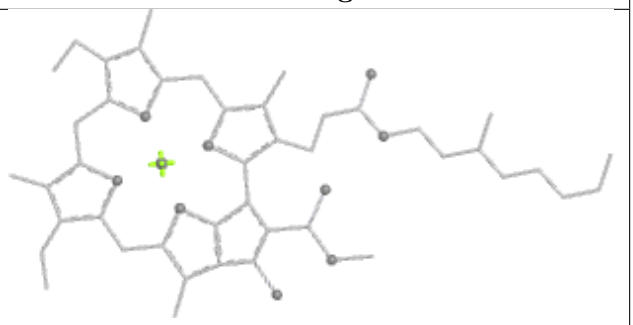
Bond lengths



Bond angles

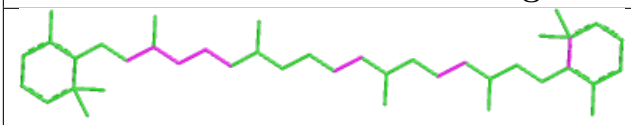


Torsions



Rings

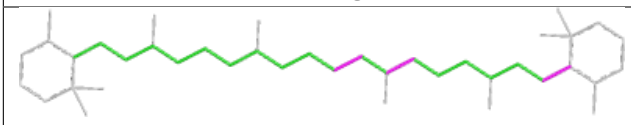
Ligand BCR B 848



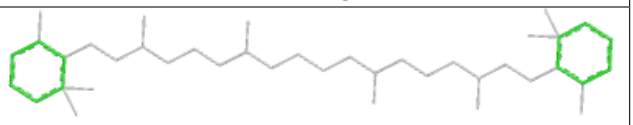
Bond lengths



Bond angles

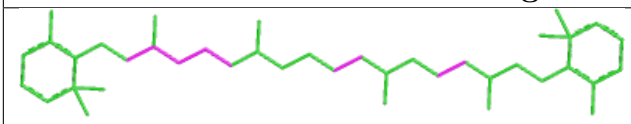


Torsions

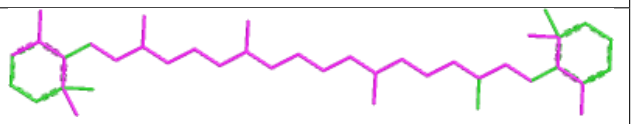


Rings

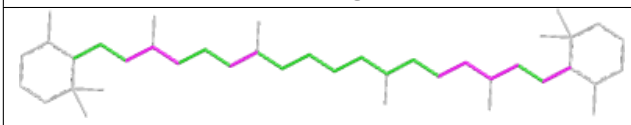
Ligand BCR H 846



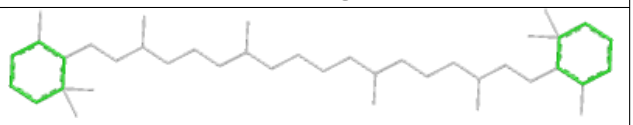
Bond lengths



Bond angles

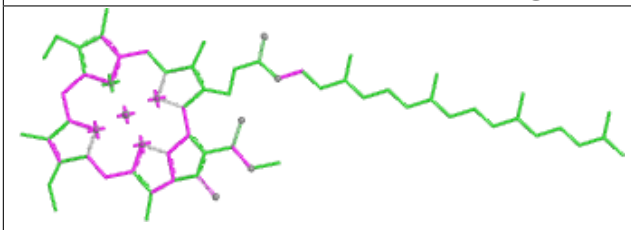


Torsions

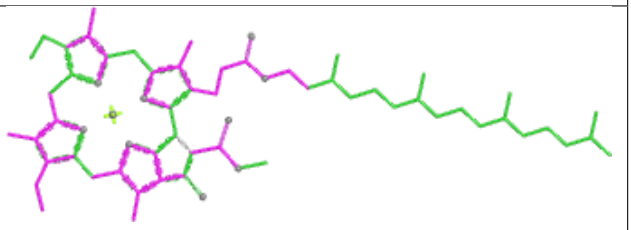


Rings

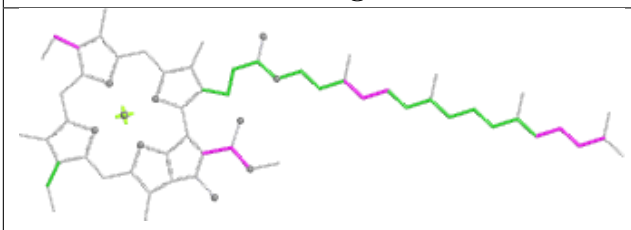
Ligand CLA b 808



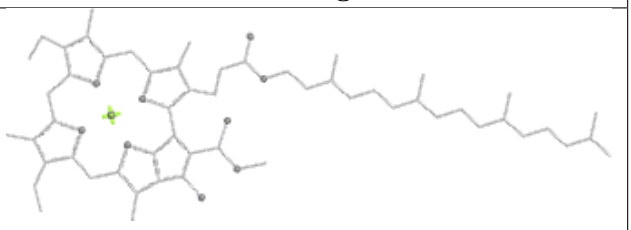
Bond lengths



Bond angles

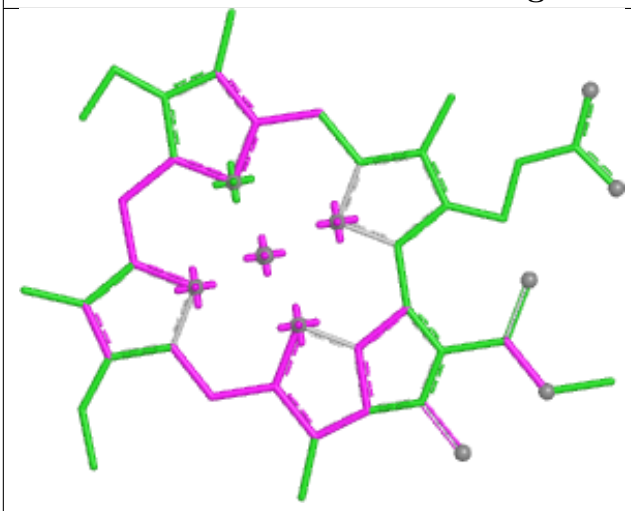


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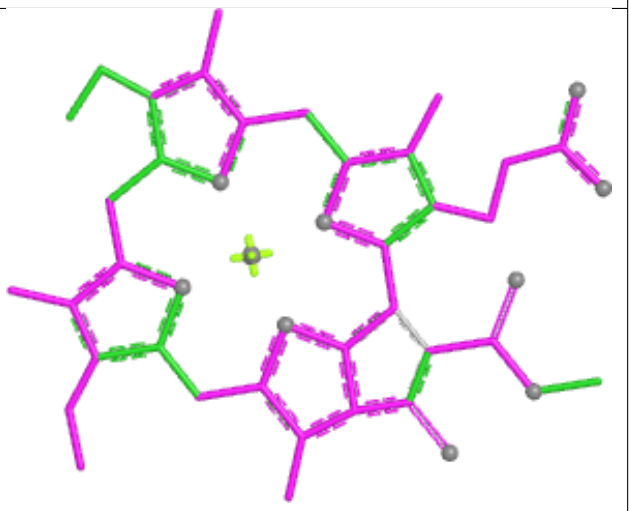


Rings

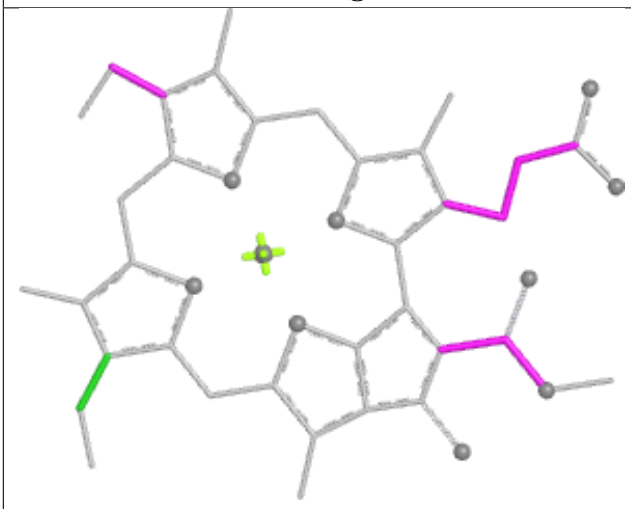
Ligand CLA b 829



Bond lengths



Bond angles

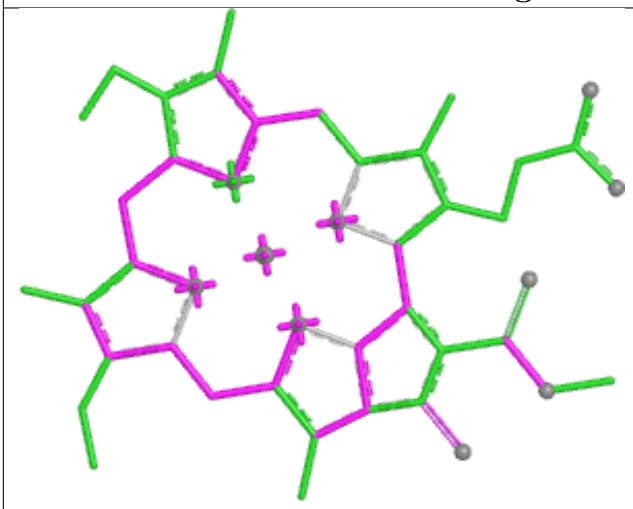


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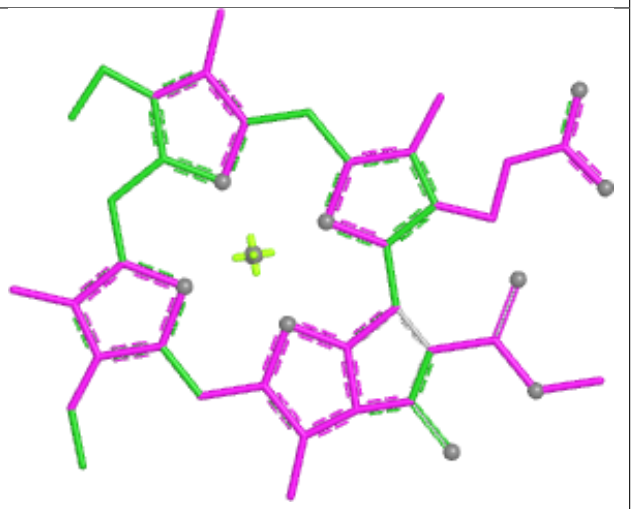


Rings

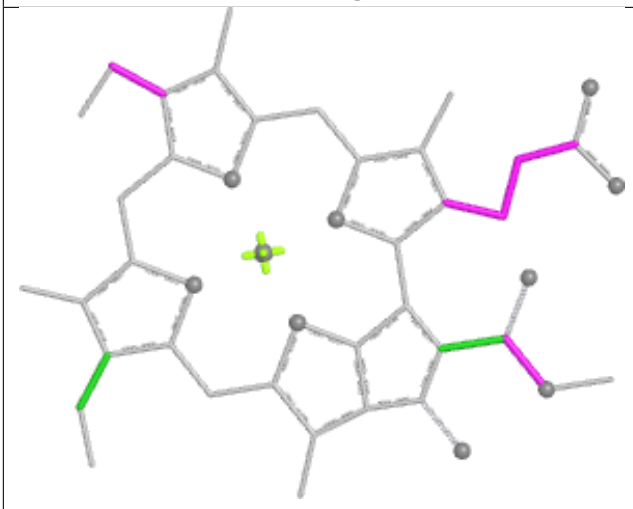
Ligand CLA V 1601



Bond lengths



Bond angles

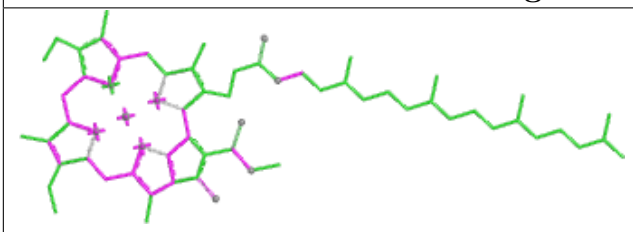


Torsions

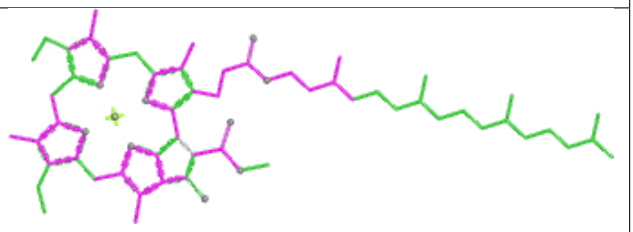


Rings

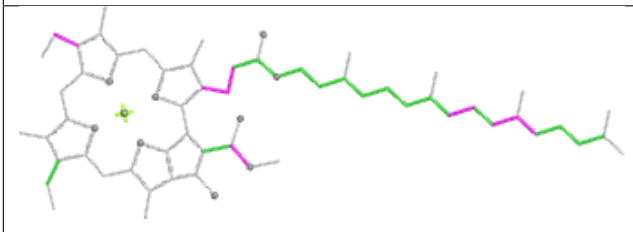
Ligand CLA B 842



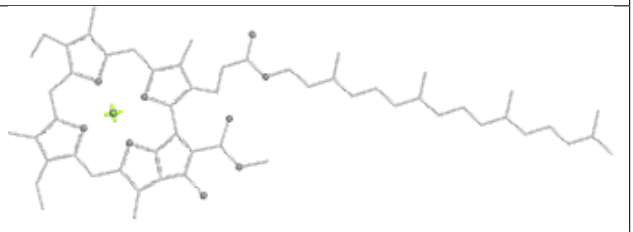
Bond lengths



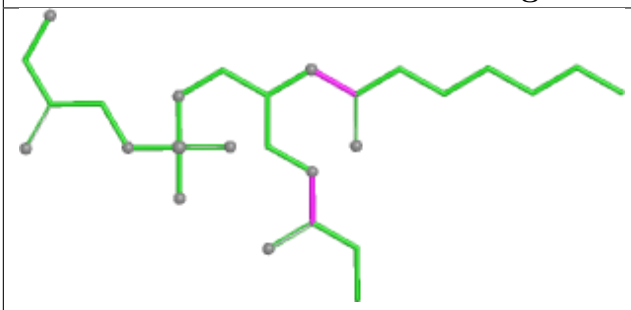
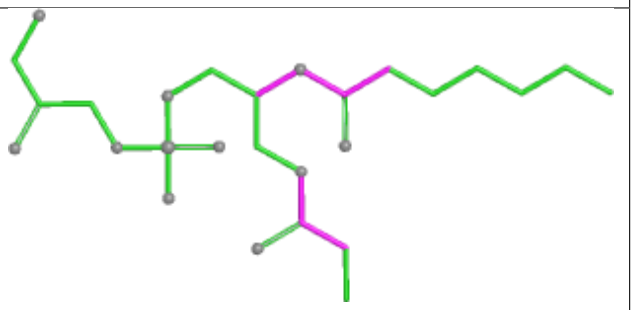
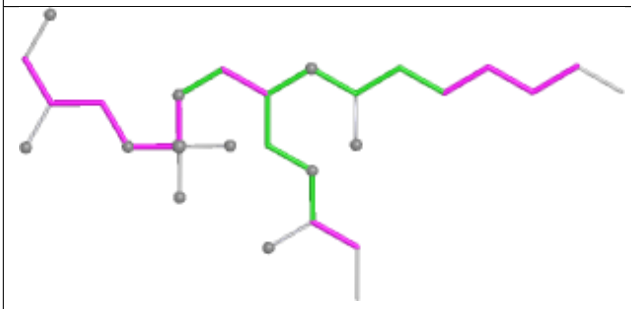
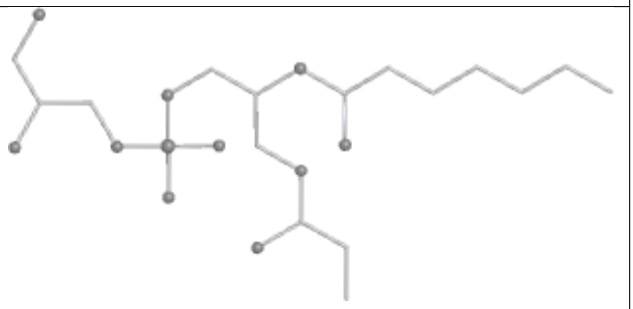
Bond angles

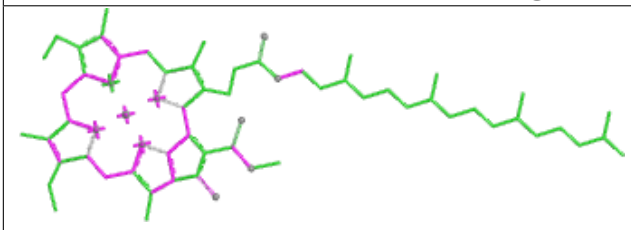
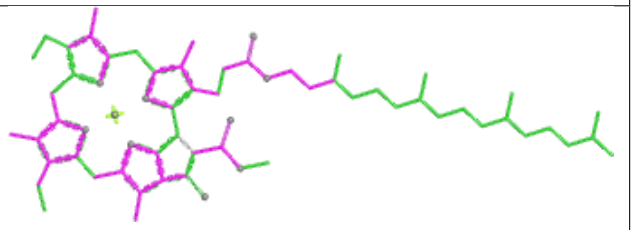
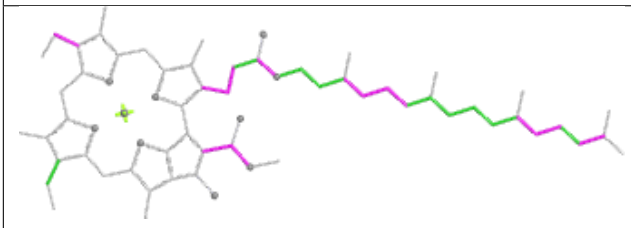
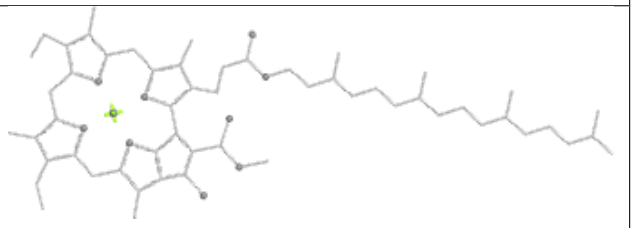


Torsions

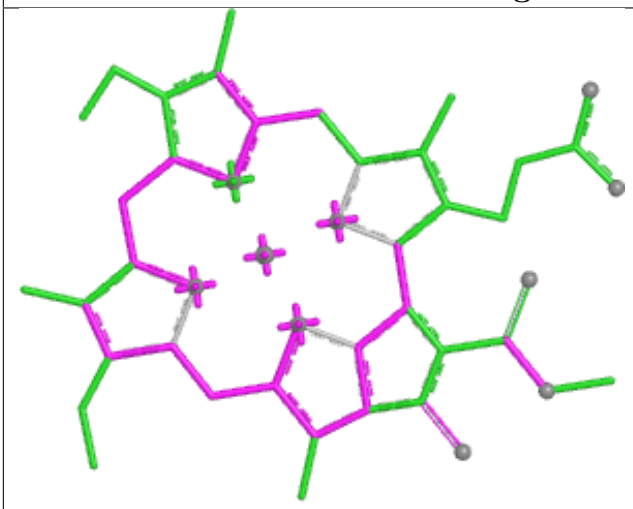


Rings

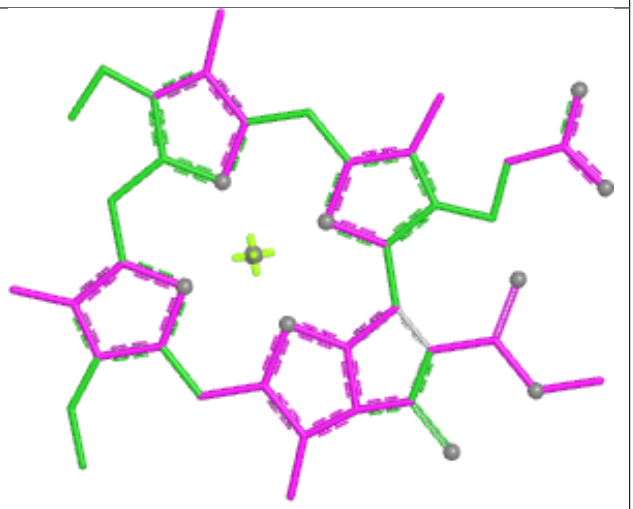
Ligand LHG G 850	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 832	
	
Bond lengths	Bond angles
	
Torsions	Rings

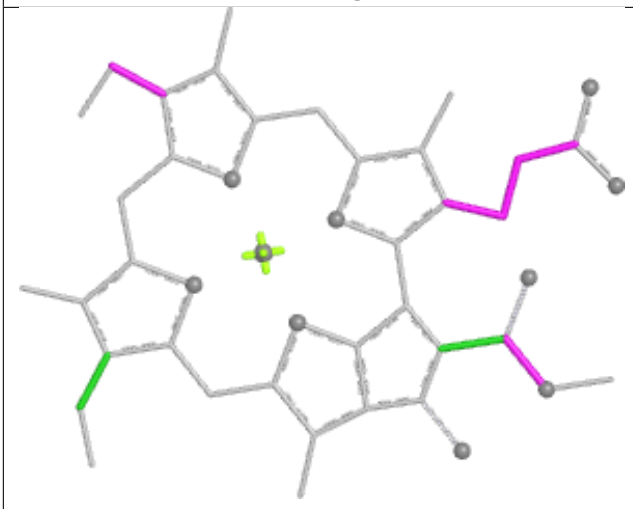
Ligand CLA m 1202



Bond lengths



Bond angles

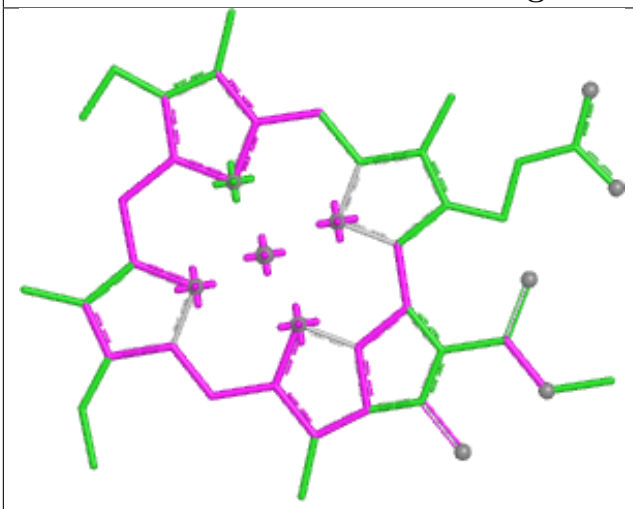


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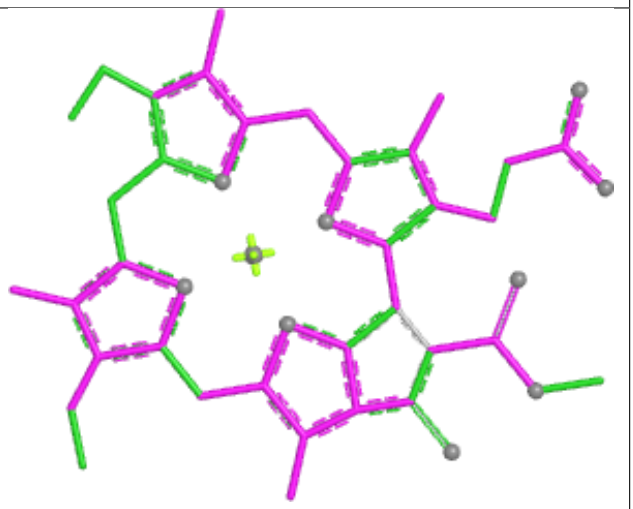


Rings

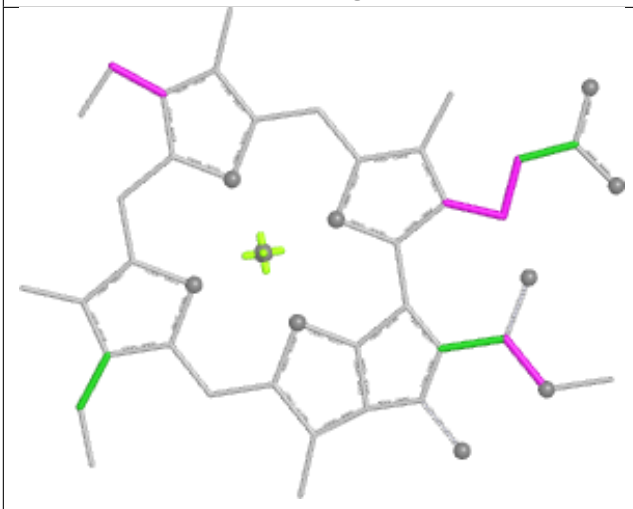
Ligand CLA b 811



Bond lengths



Bond angles

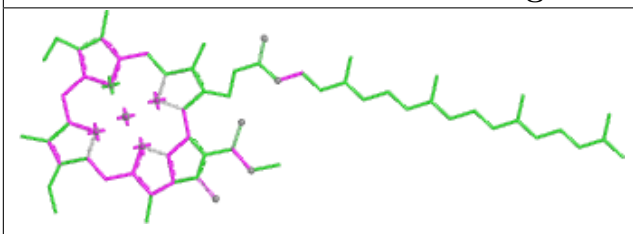


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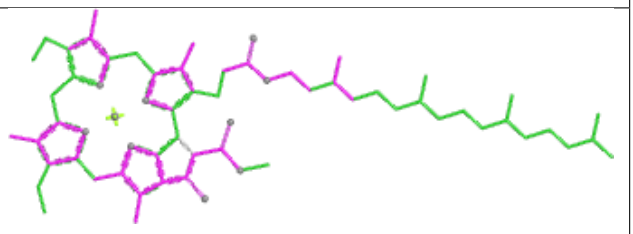


Rings

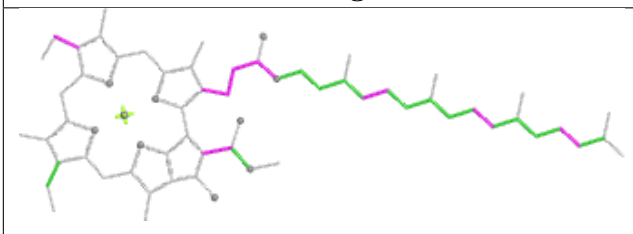
Ligand CLA L 201



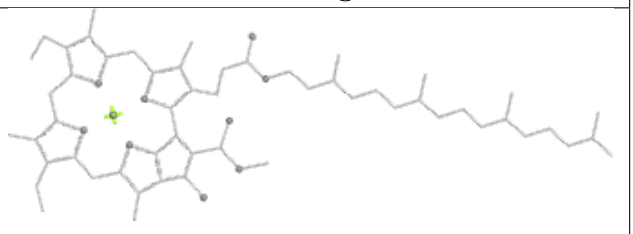
Bond lengths



Bond angles

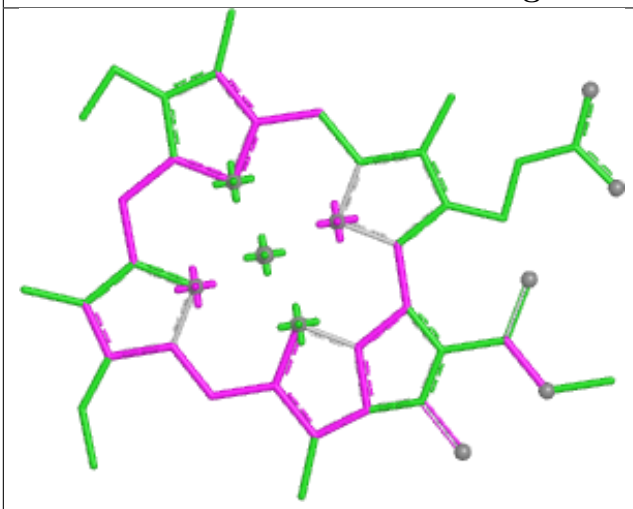


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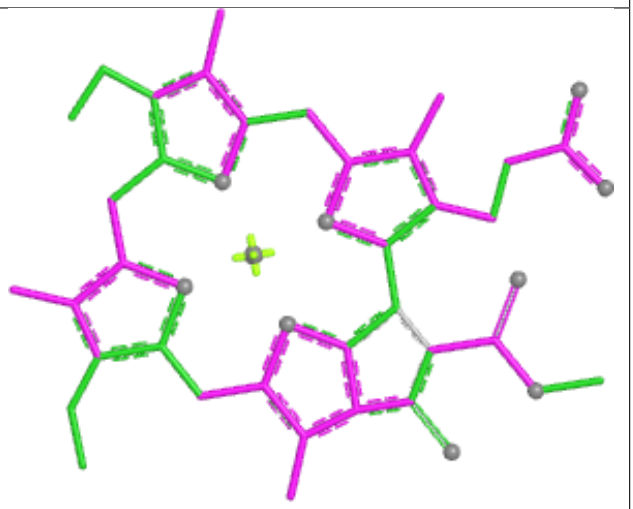


Rings

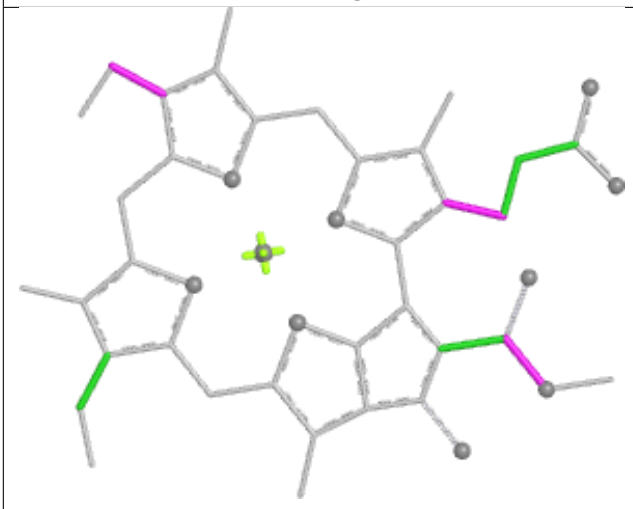
Ligand CLA G 815



Bond lengths



Bond angles

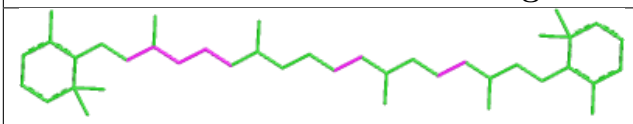


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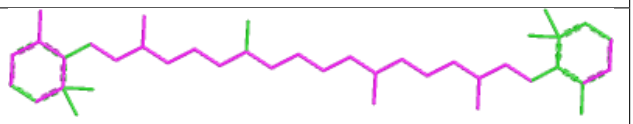


Rings

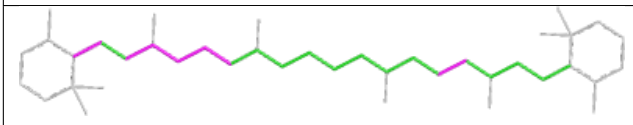
Ligand BCR A 844



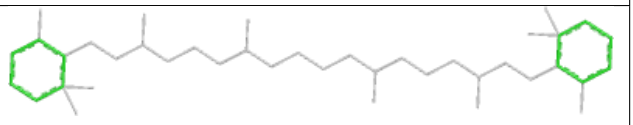
Bond lengths



Bond angles

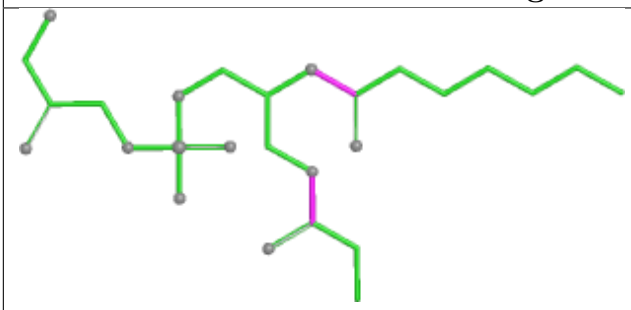


Torsions

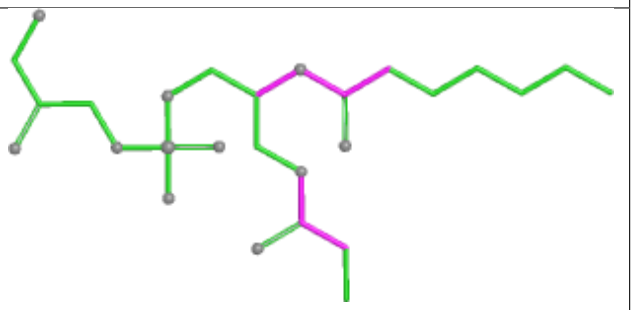


Rings

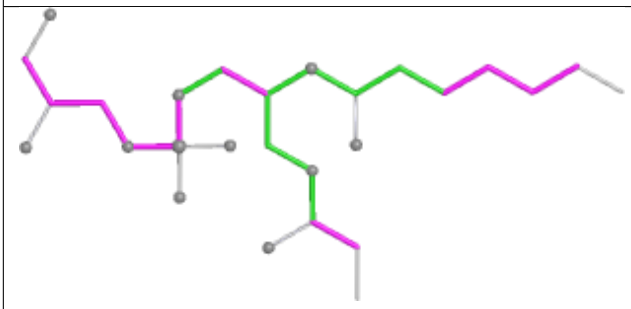
Ligand LHG a 851



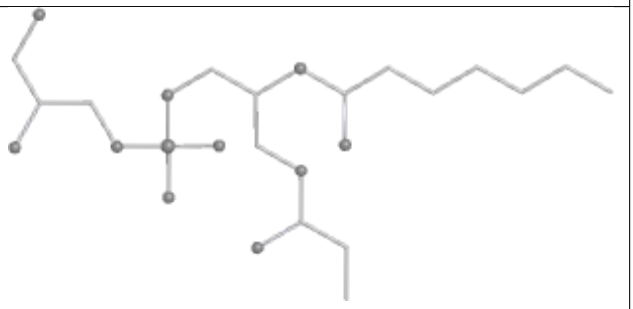
Bond lengths



Bond angles

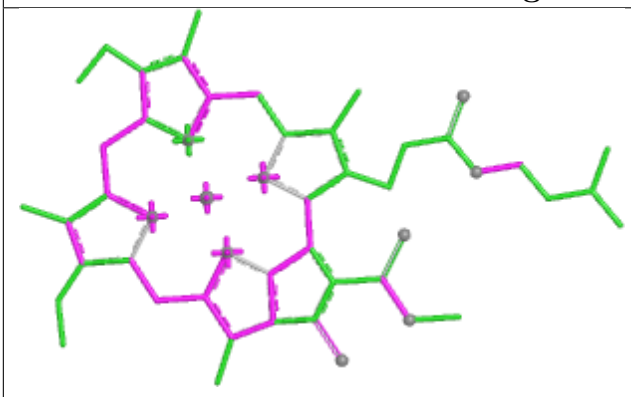


Torsions

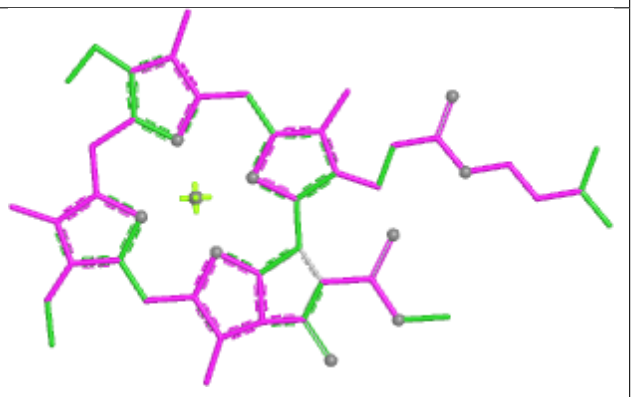


Rings

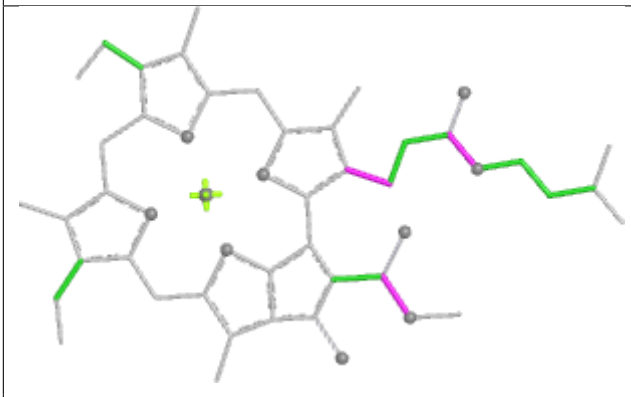
Ligand CLA G 838



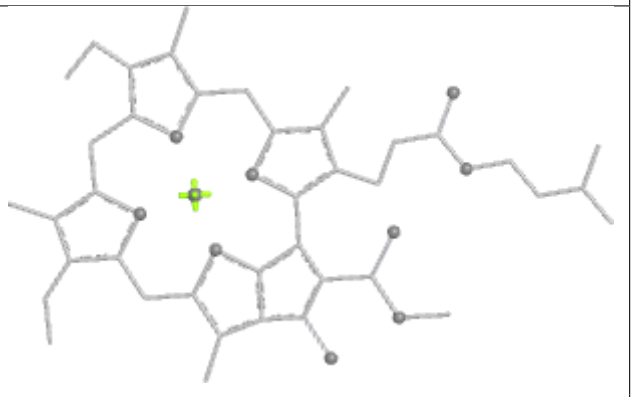
Bond lengths



Bond angles

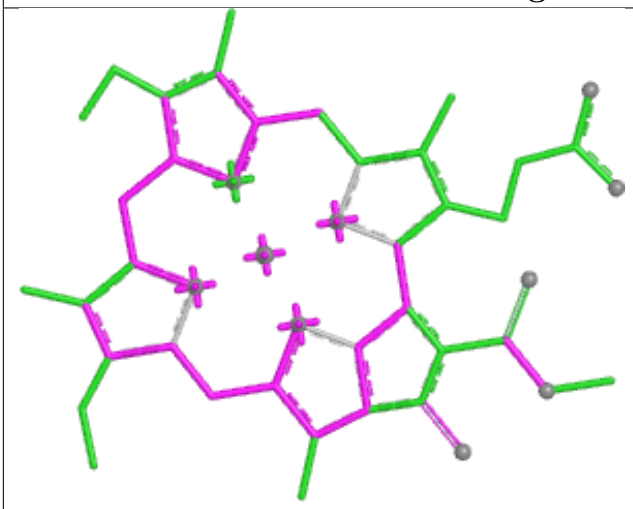


Torsions

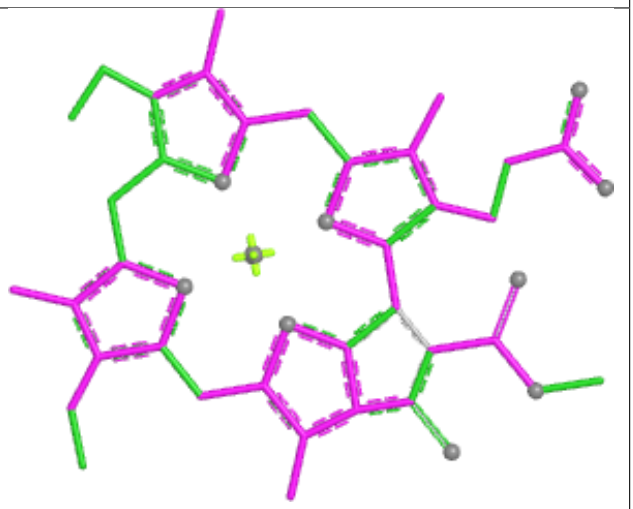


Rings

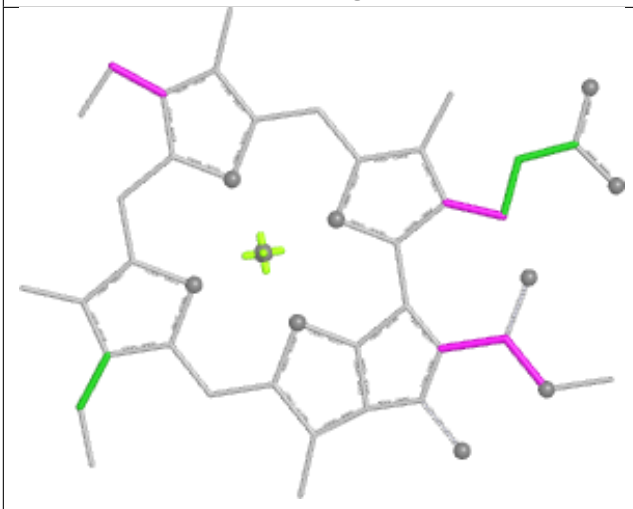
Ligand CLA a 813



Bond lengths



Bond angles

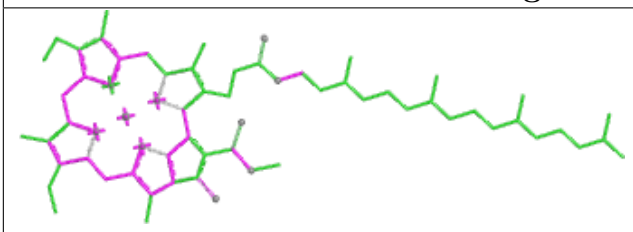


Torsions

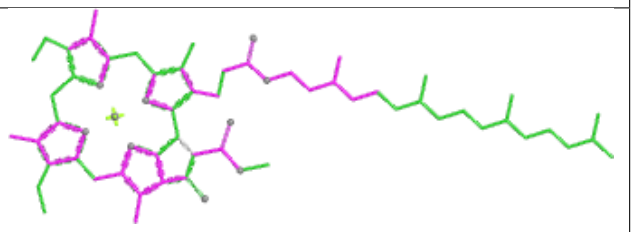


Rings

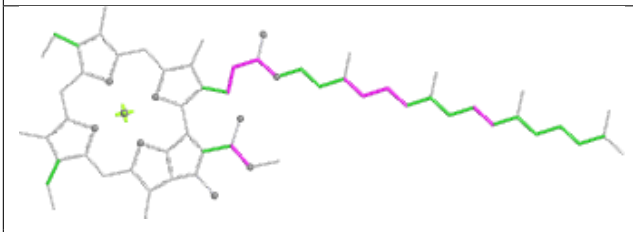
Ligand CLA U 207



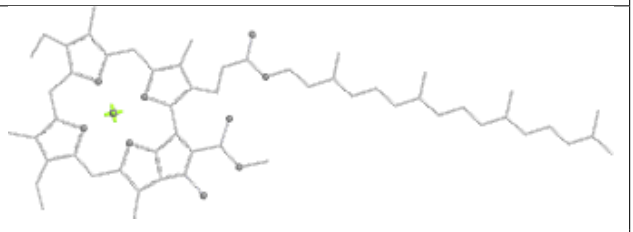
Bond lengths



Bond angles

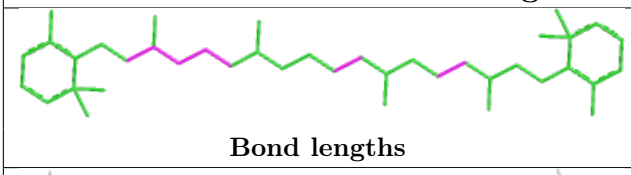


Torsions

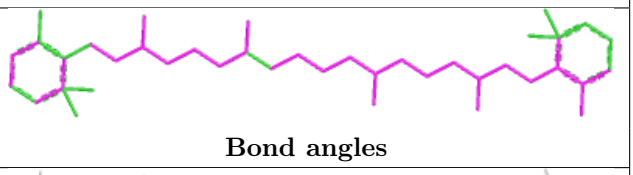


Rings

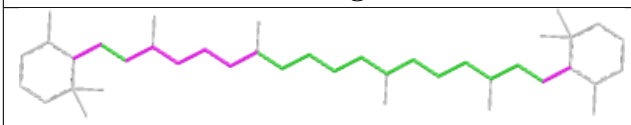
Ligand BCR G 844



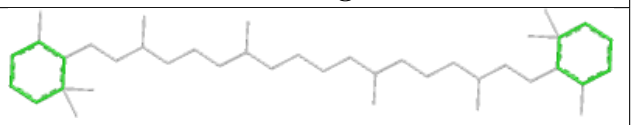
Bond lengths



Bond angles

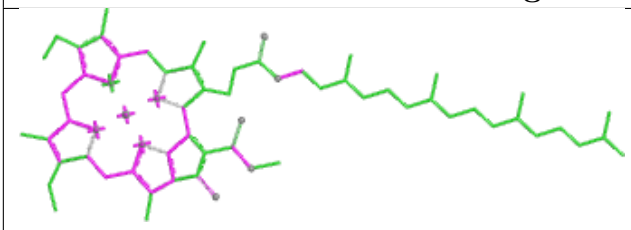


Torsions

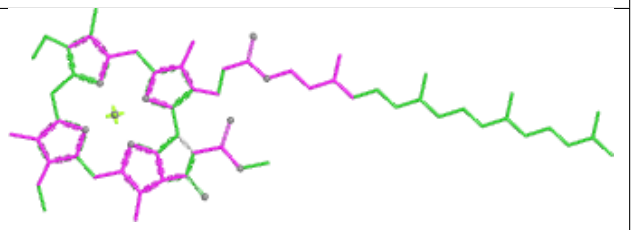


Rings

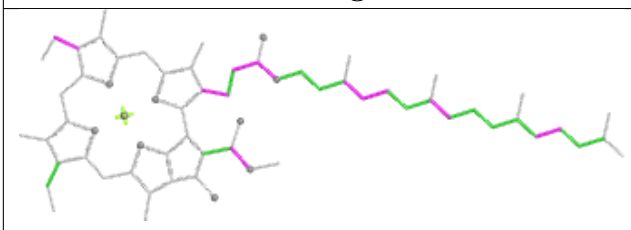
Ligand CLA A 820



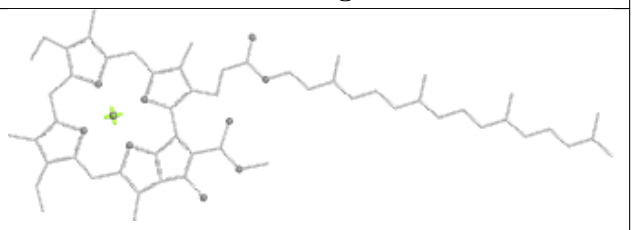
Bond lengths



Bond angles

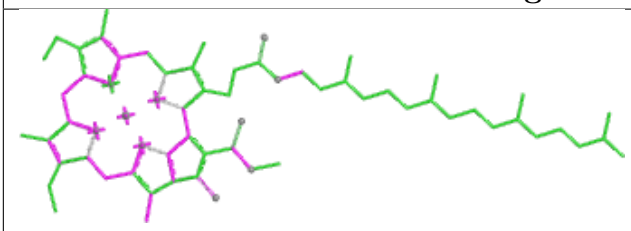


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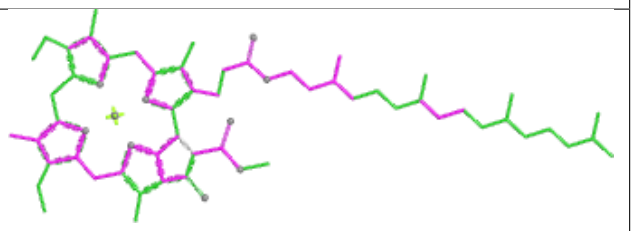


Rings

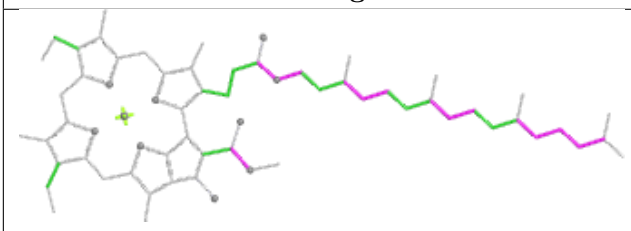
Ligand CLA B 805



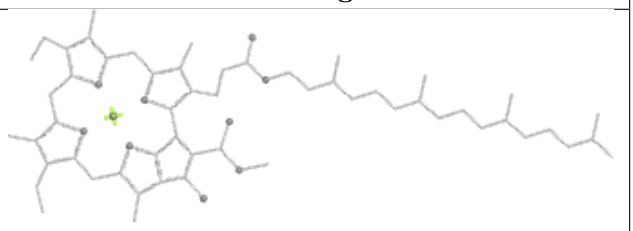
Bond lengths



Bond angles

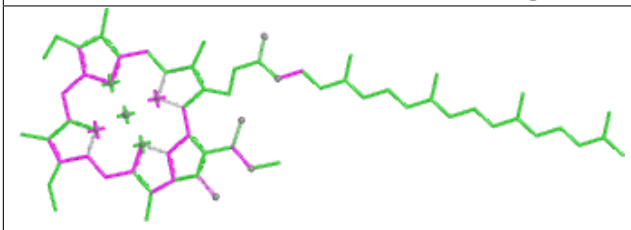


Torsions

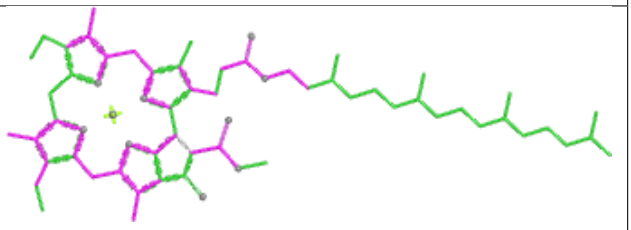


Rings

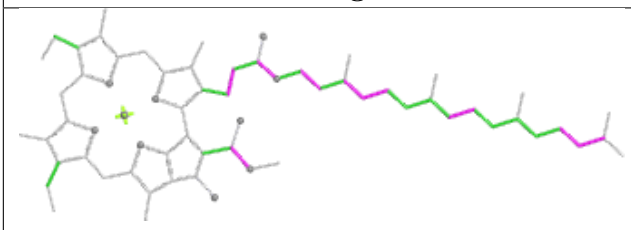
Ligand CLA B 801



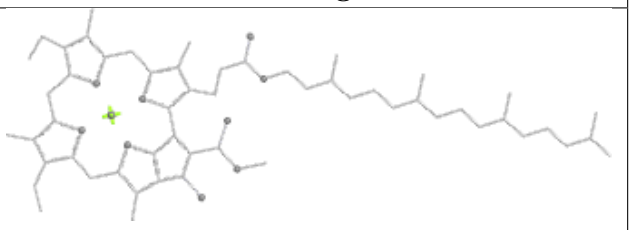
Bond lengths



Bond angles

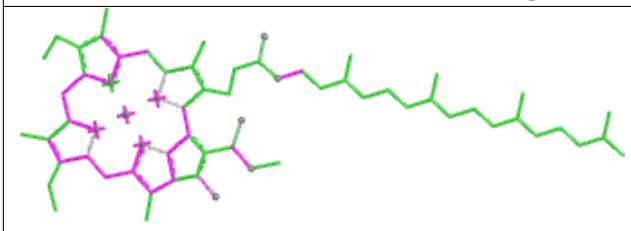


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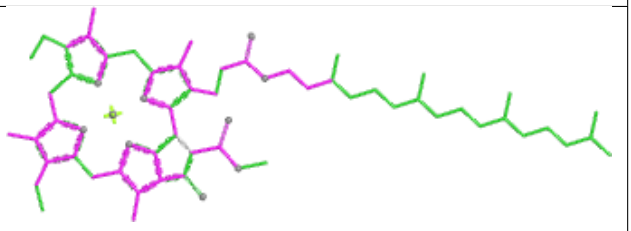


Rings

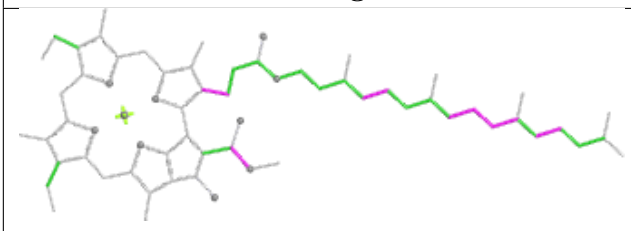
Ligand CLA G 808



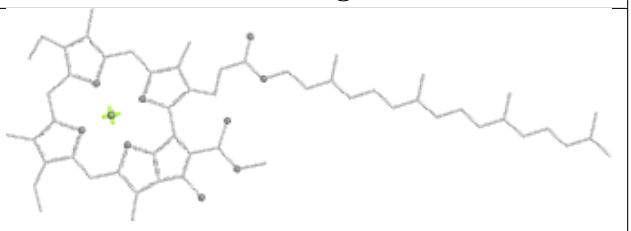
Bond lengths



Bond angles

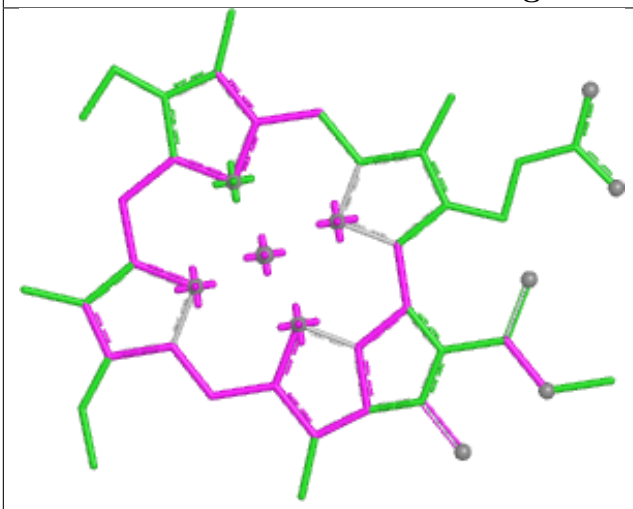


Torsions

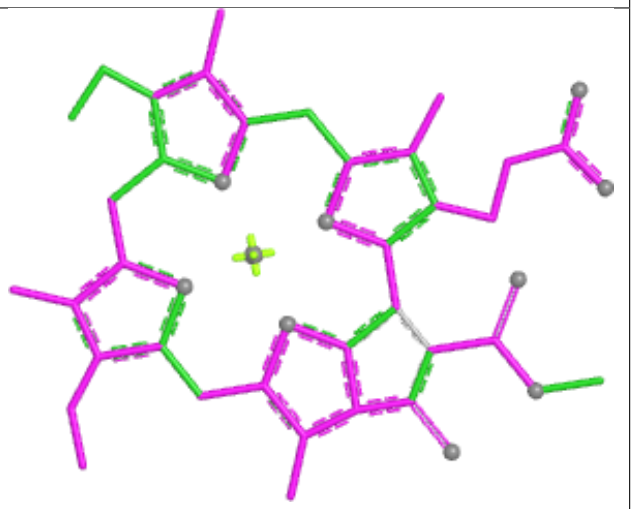


Rings

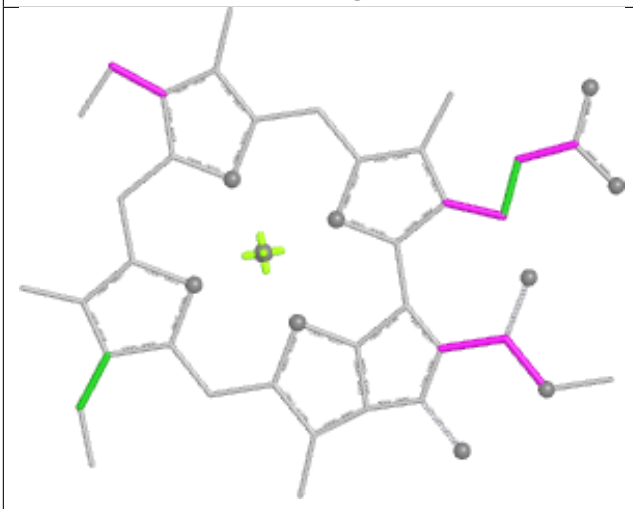
Ligand CLA G 821



Bond lengths



Bond angles

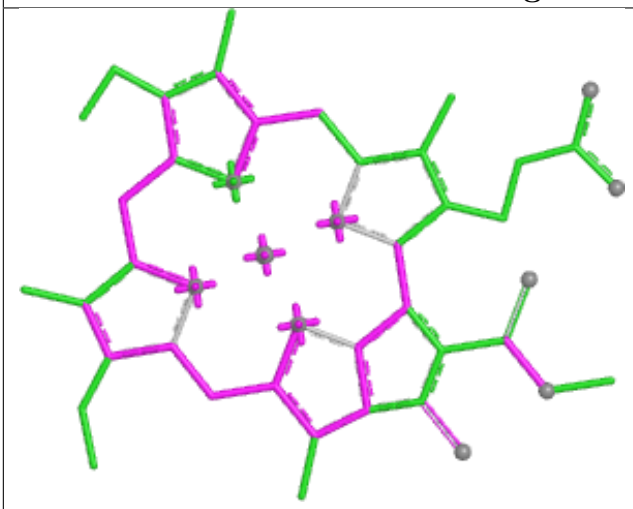


Torsions

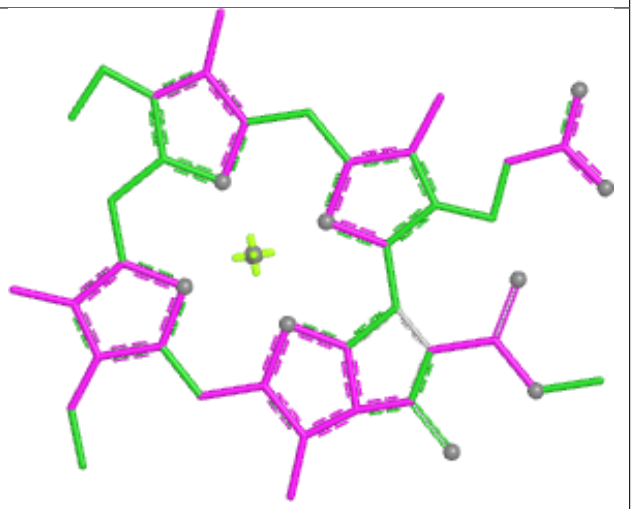


Rings

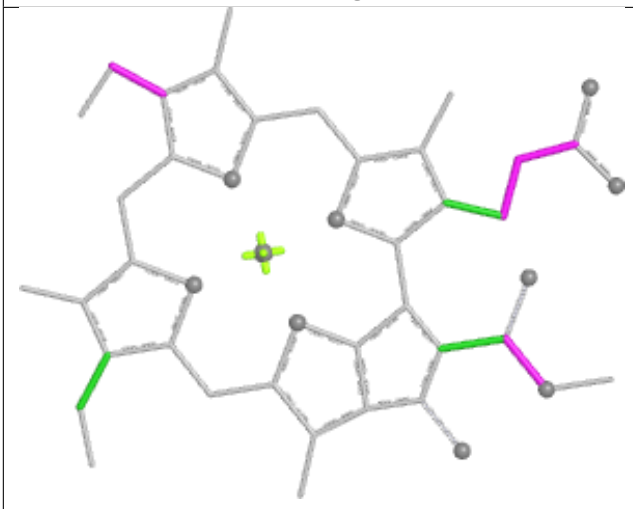
Ligand CLA A 834



Bond lengths



Bond angles

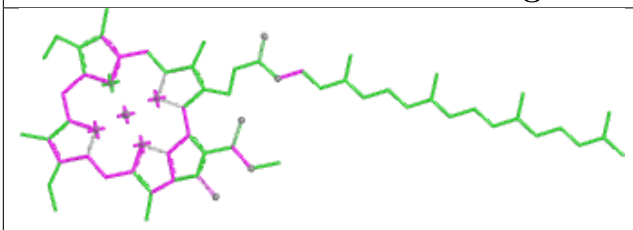


Torsions

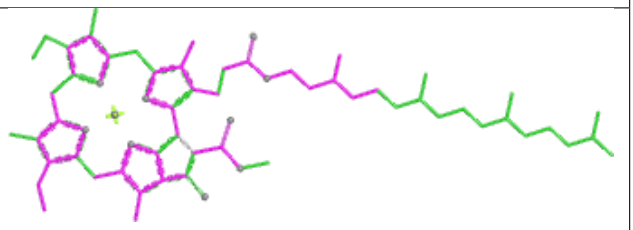


Rings

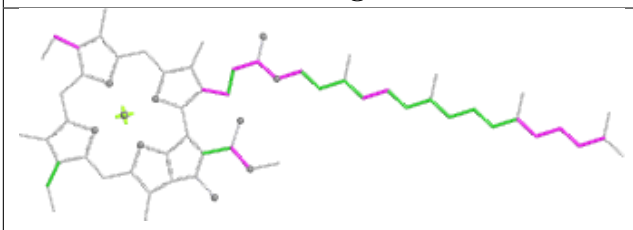
Ligand CLA H 812



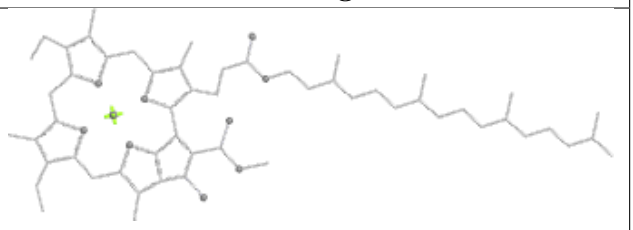
Bond lengths



Bond angles

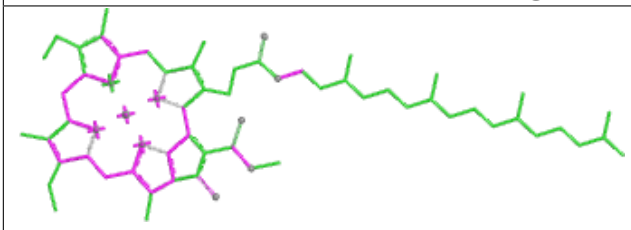


Torsions

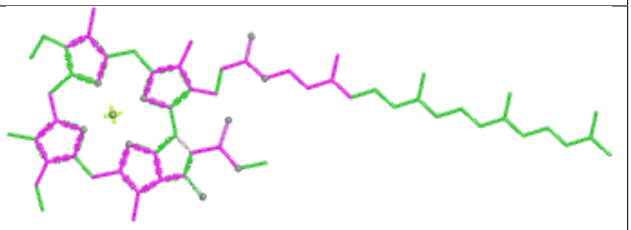


Rings

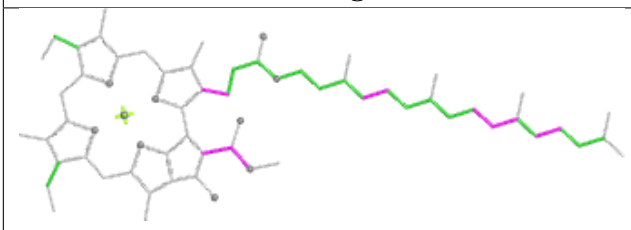
Ligand CLA b 825



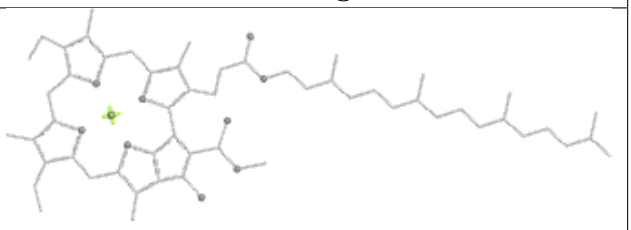
Bond lengths



Bond angles

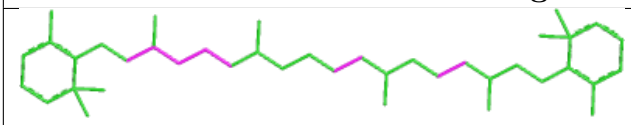


Torsions



Rings

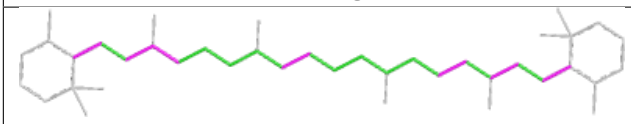
Ligand BCR l 206



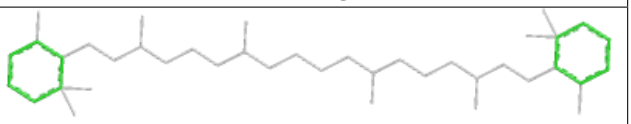
Bond lengths



Bond angles

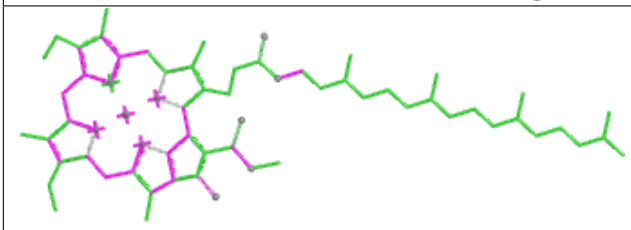


Torsions

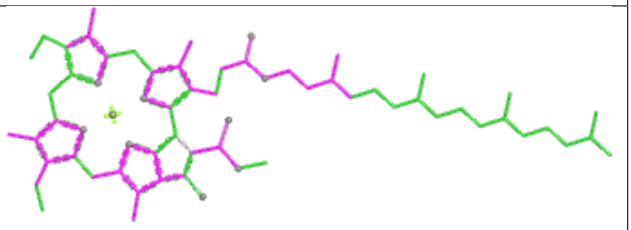


Rings

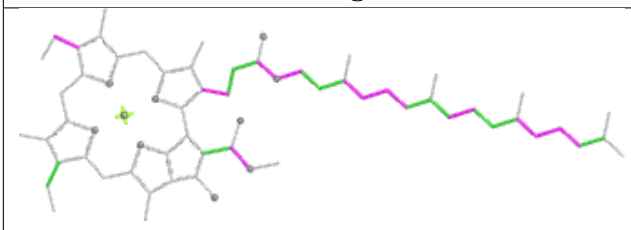
Ligand CLA a 824



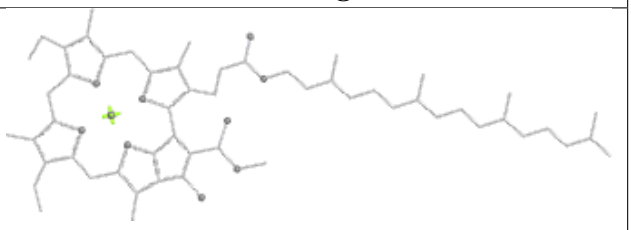
Bond lengths



Bond angles

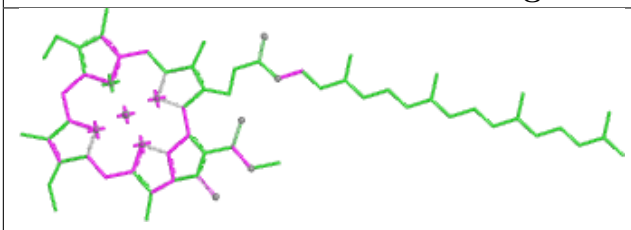


Torsions

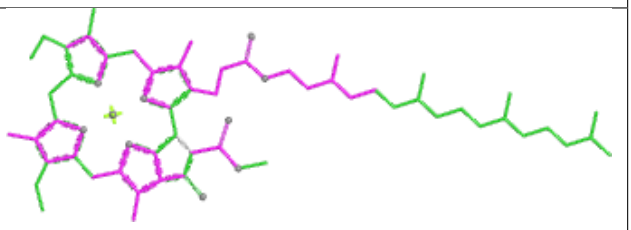


Rings

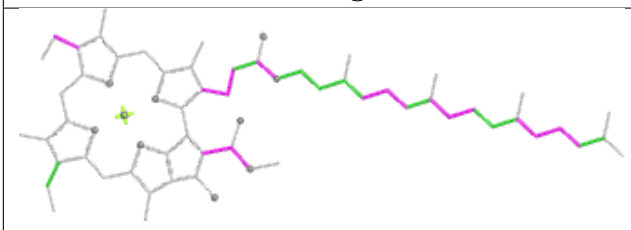
Ligand CLA A 807



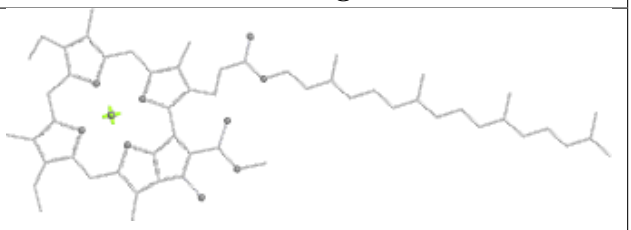
Bond lengths



Bond angles

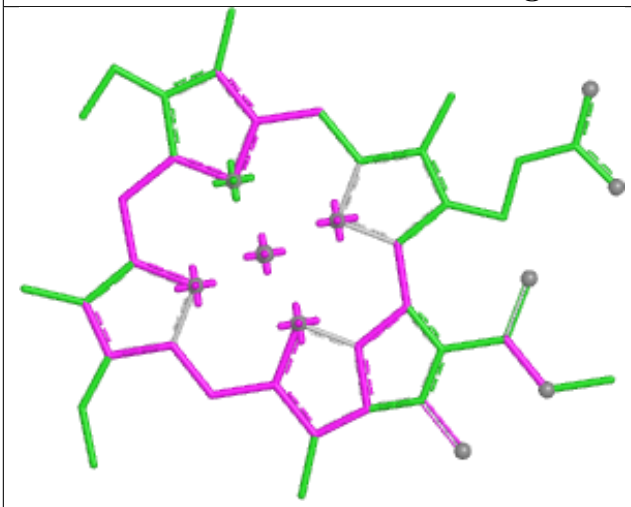


Torsions

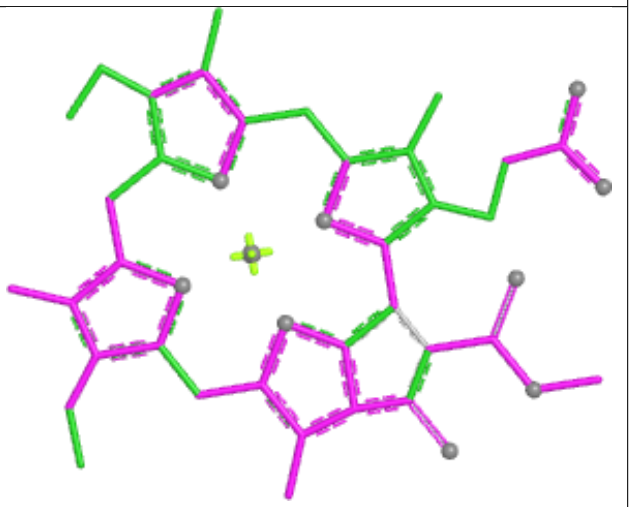


Rings

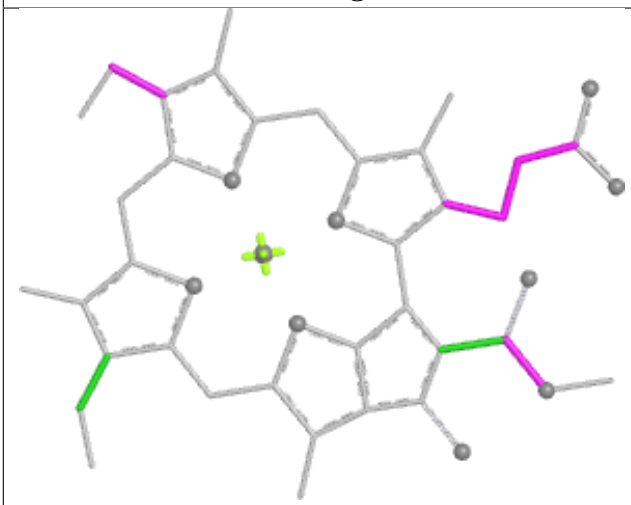
Ligand CLA H 833



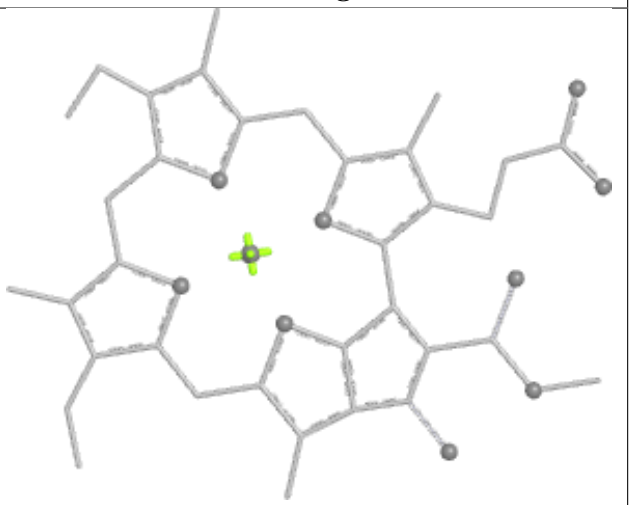
Bond lengths



Bond angles

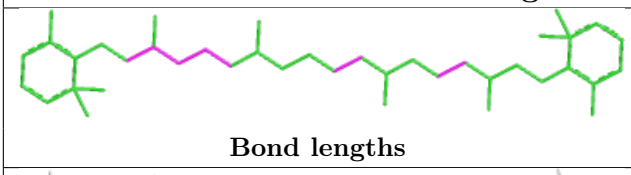


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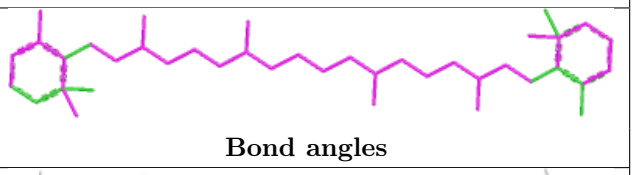


Rings

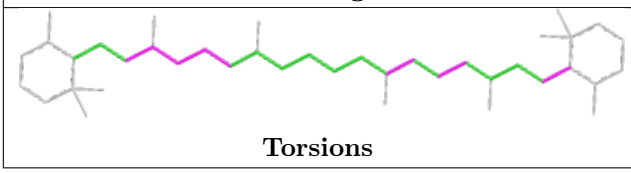
Ligand BCR H 849



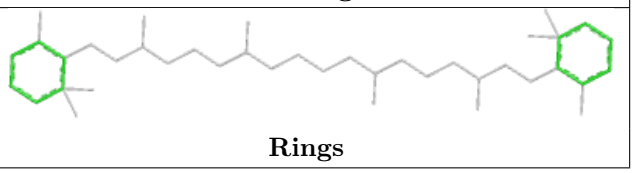
Bond lengths



Bond angles

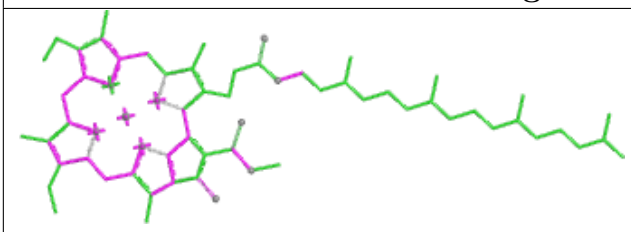


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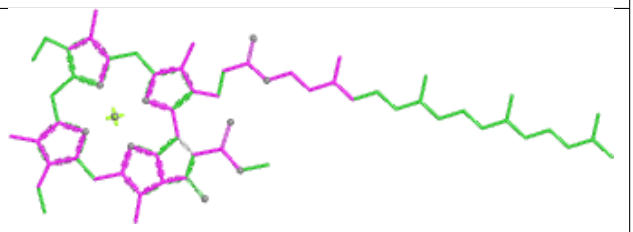


Rings

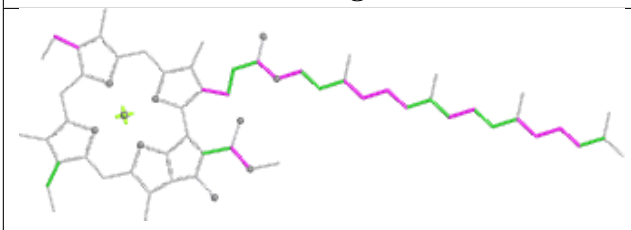
Ligand CLA G 824



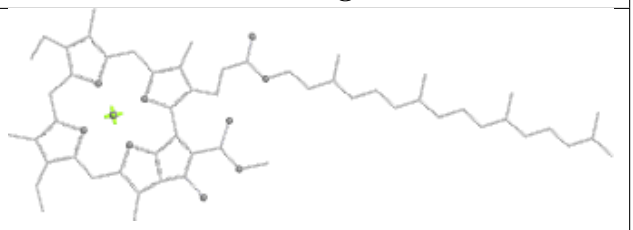
Bond lengths



Bond angles

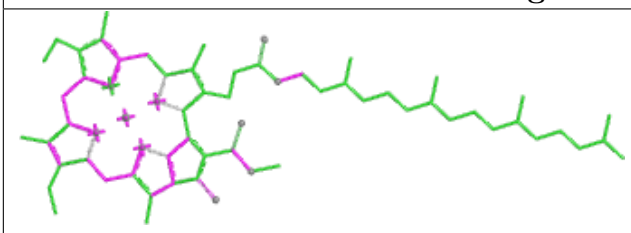


Torsions

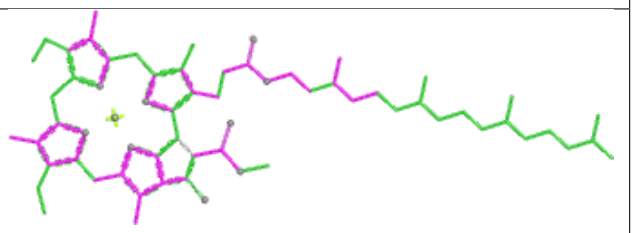


Rings

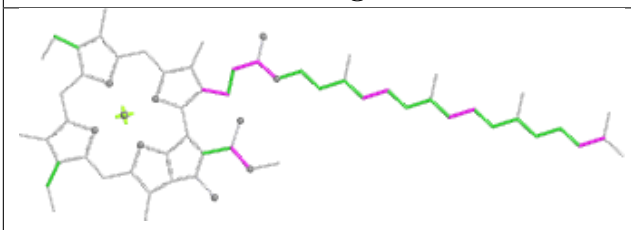
Ligand CL0 G 801



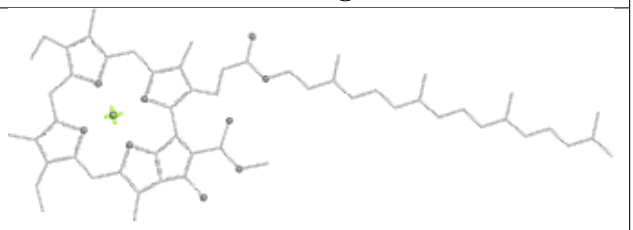
Bond lengths



Bond angles

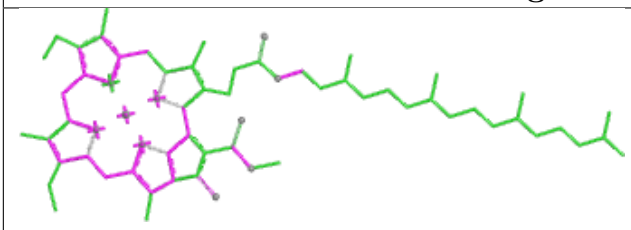


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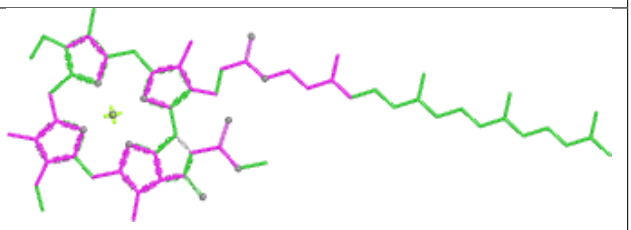


Rings

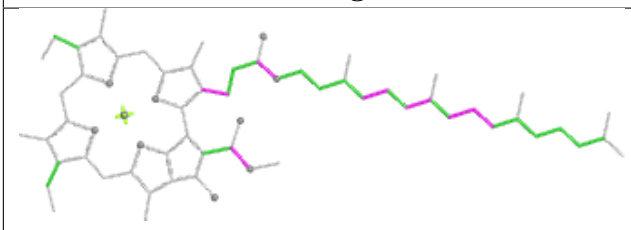
Ligand CLA b 818



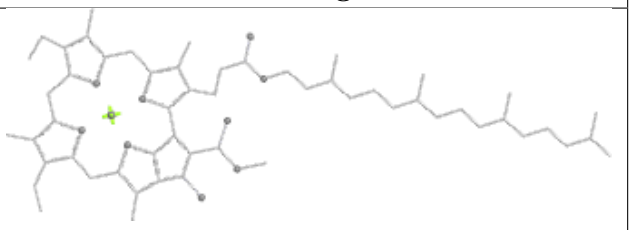
Bond lengths



Bond angles

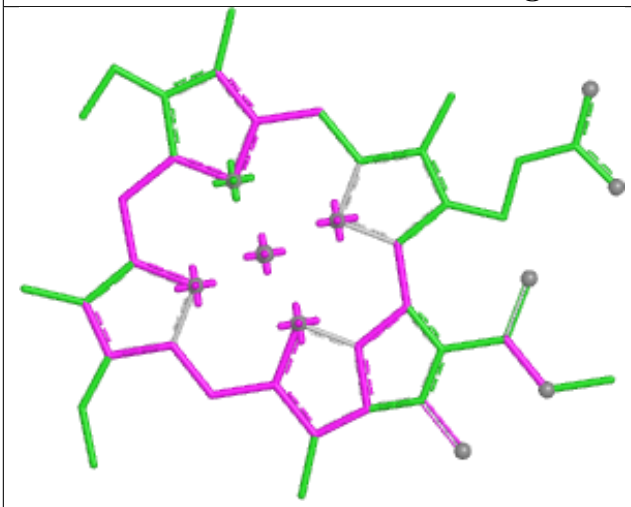


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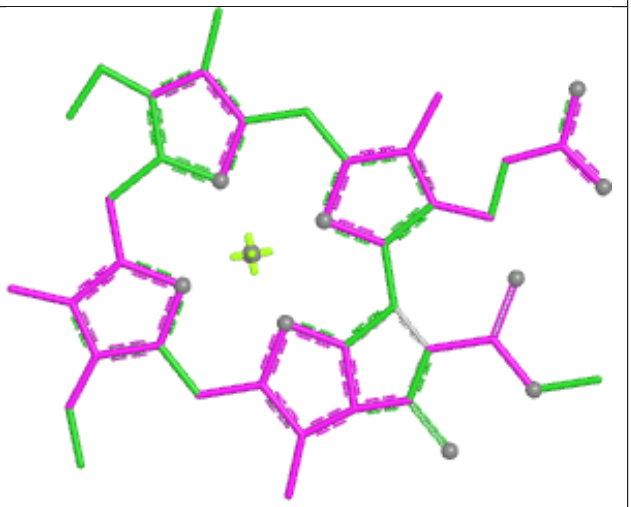


Rings

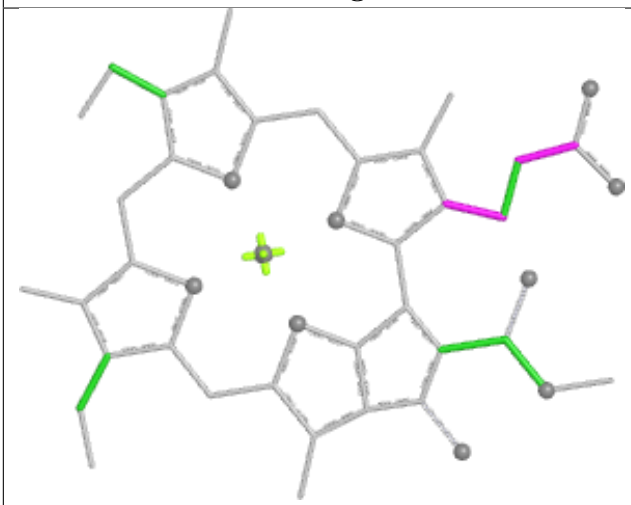
Ligand CLA A 837



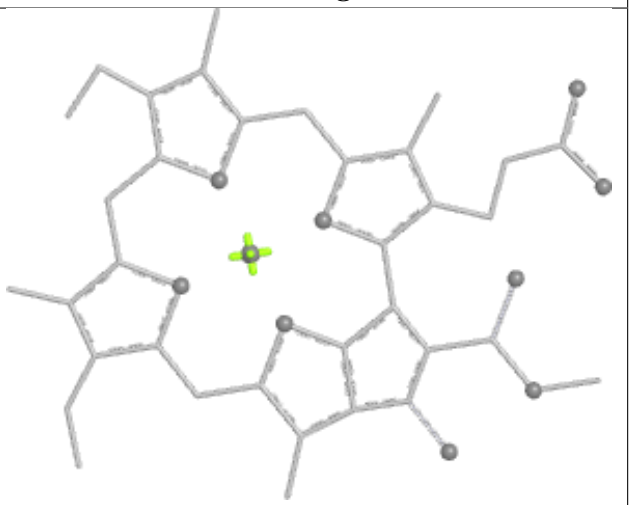
Bond lengths



Bond angles

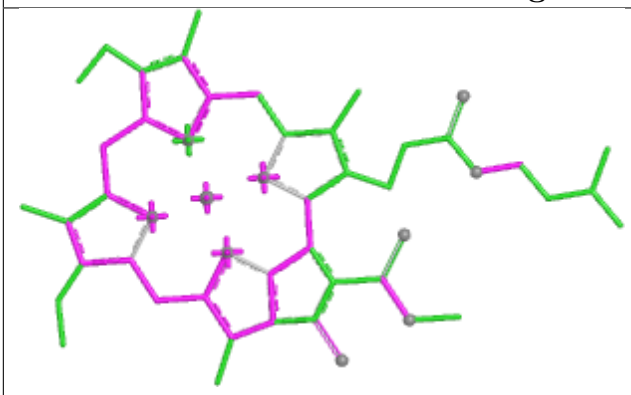


Torsions

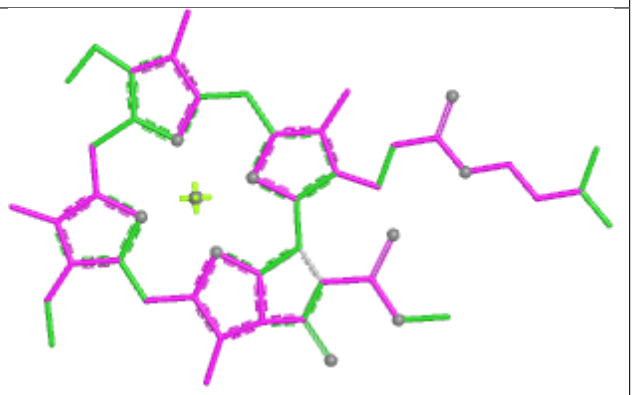


Rings

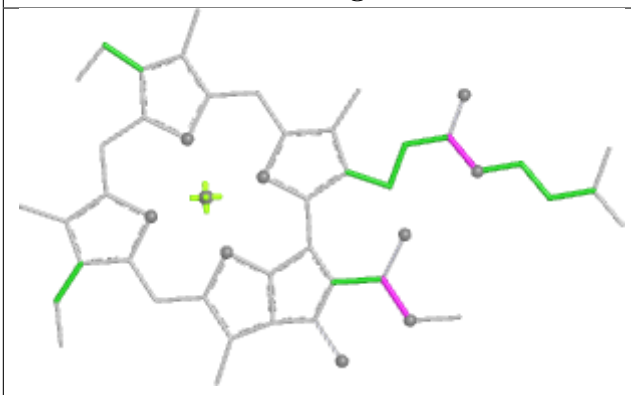
Ligand CLA a 839



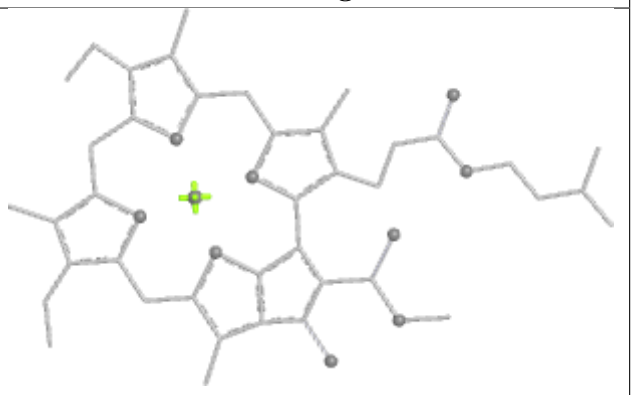
Bond lengths



Bond angles

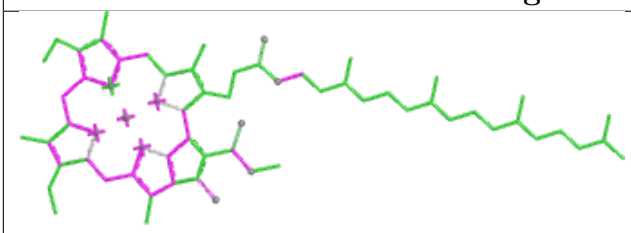


Torsions

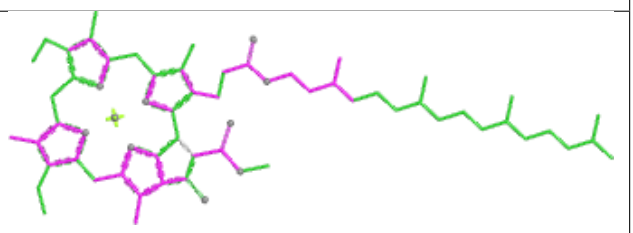


Rings

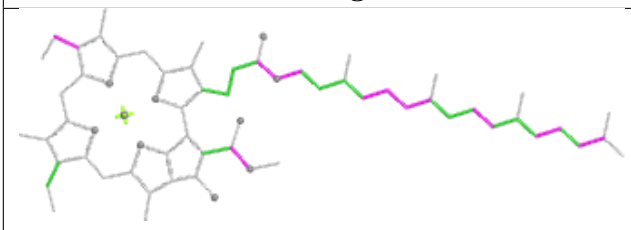
Ligand CLA H 809



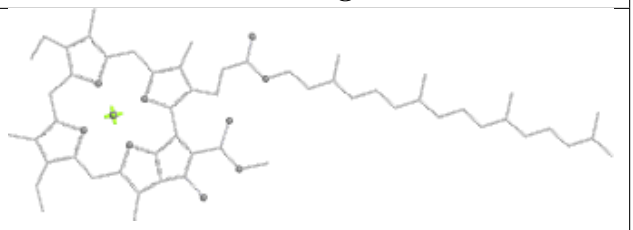
Bond lengths



Bond angles

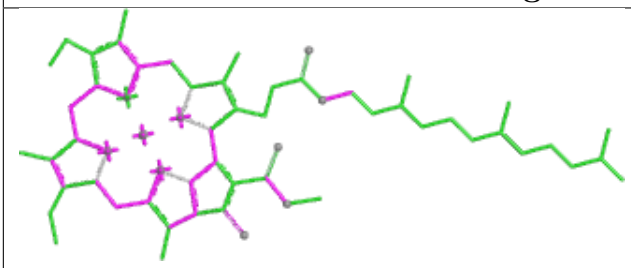


Torsions

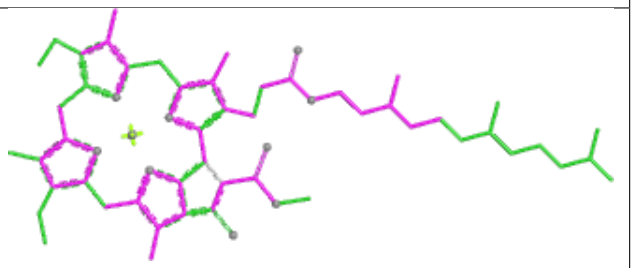


Rings

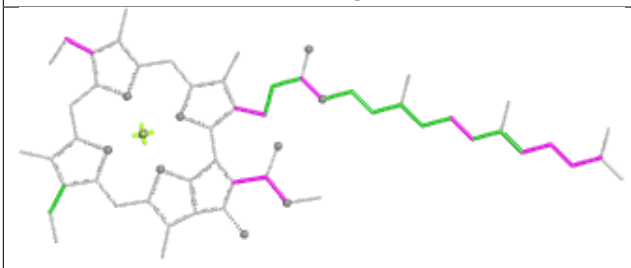
Ligand CLA H 838



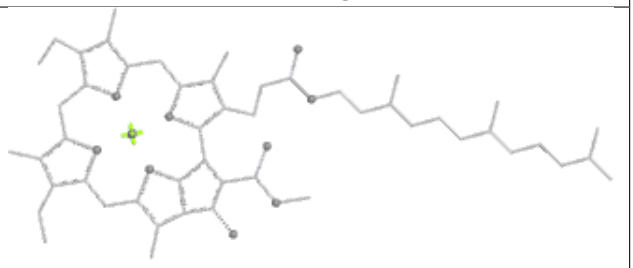
Bond lengths



Bond angles

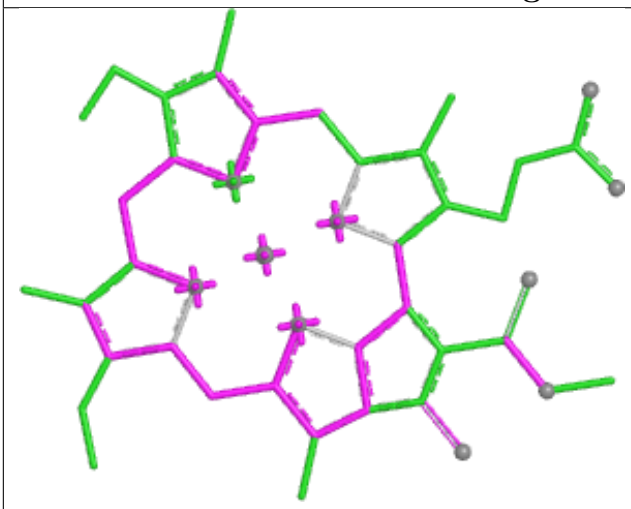


Torsions

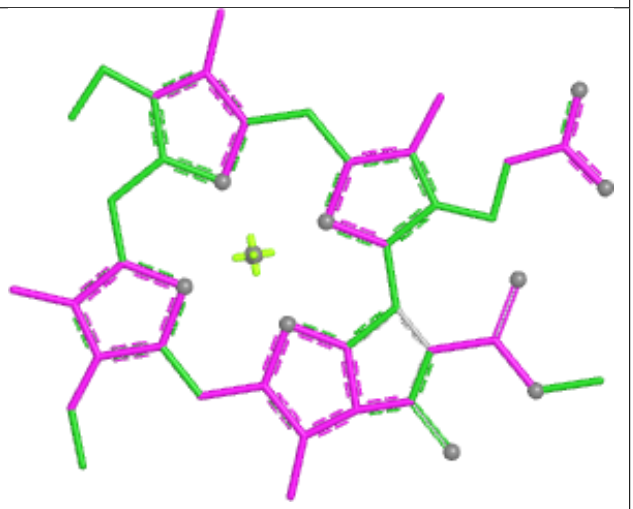


Rings

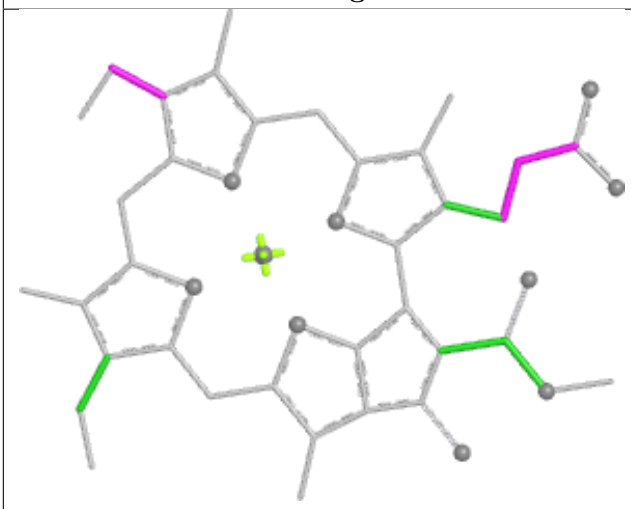
Ligand CLA G 834



Bond lengths



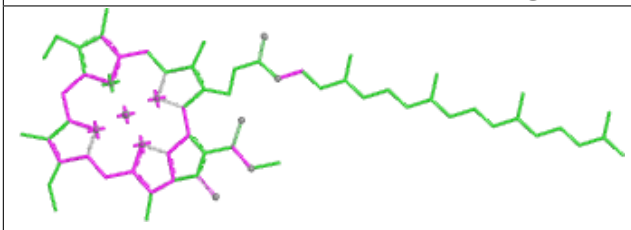
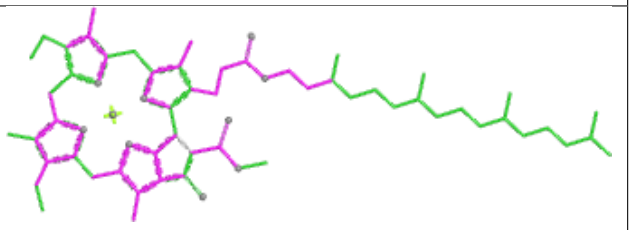
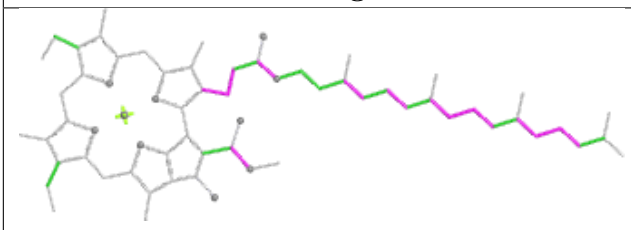
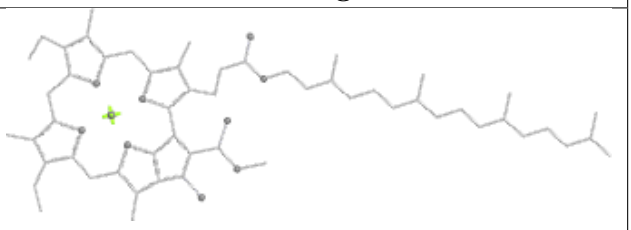
Bond angles

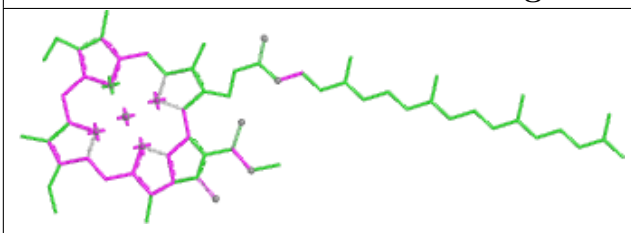
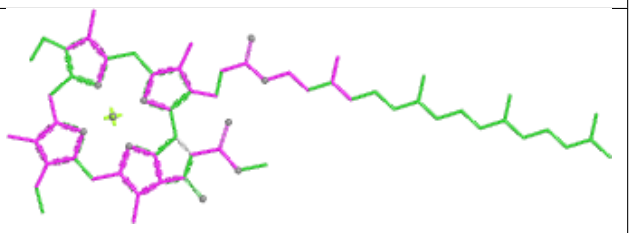
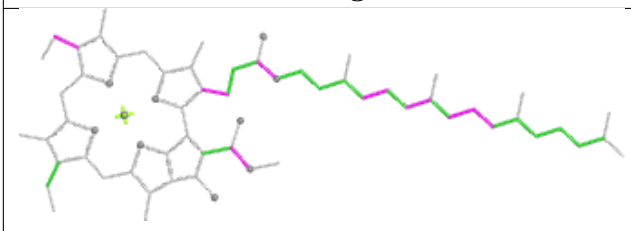
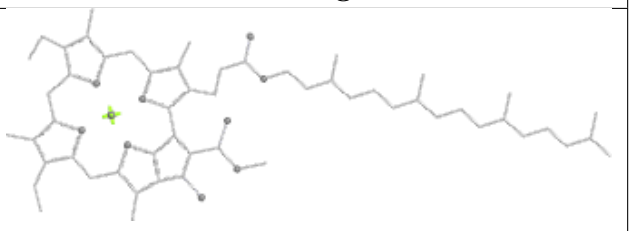


Torsions

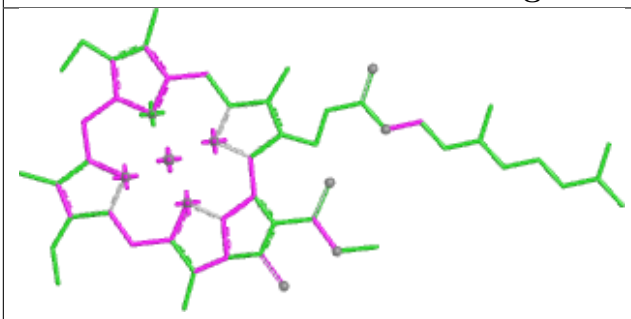


Rings

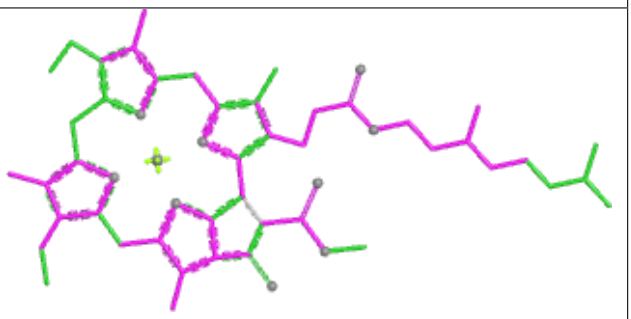
Ligand CLA B 830	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 821	
	
Bond lengths	Bond angles
	
Torsions	Rings

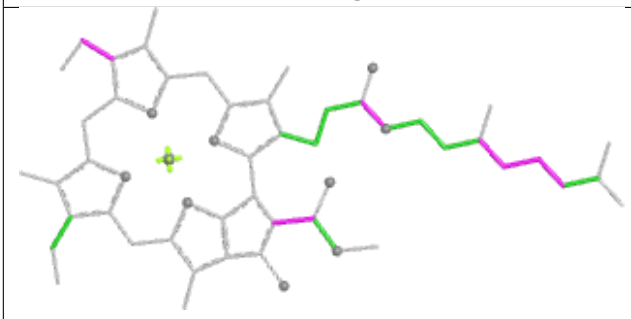
Ligand CLA A 803



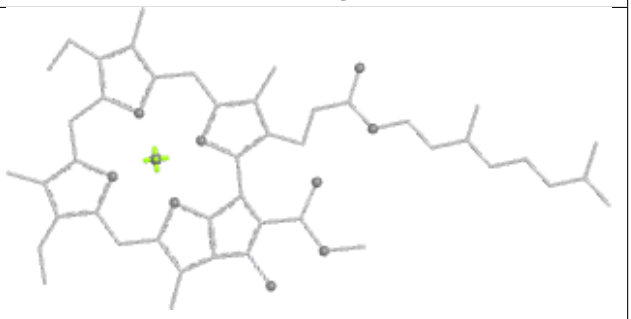
Bond lengths



Bond angles

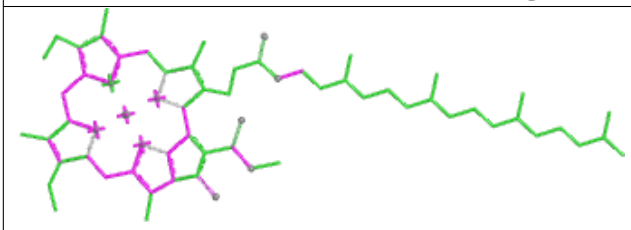


Torsions

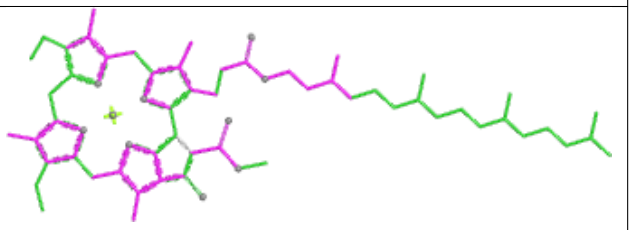


Rings

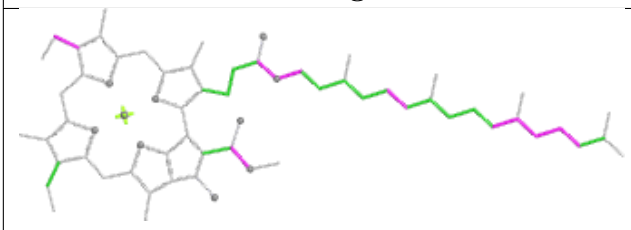
Ligand CLA G 825



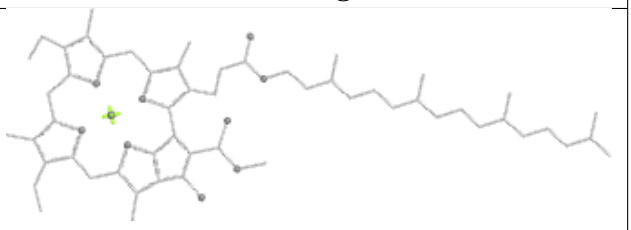
Bond lengths



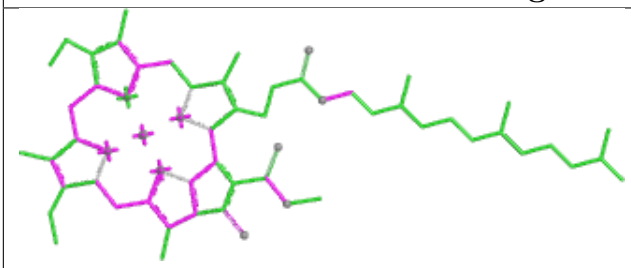
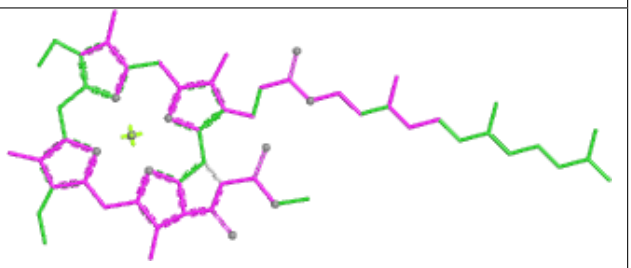
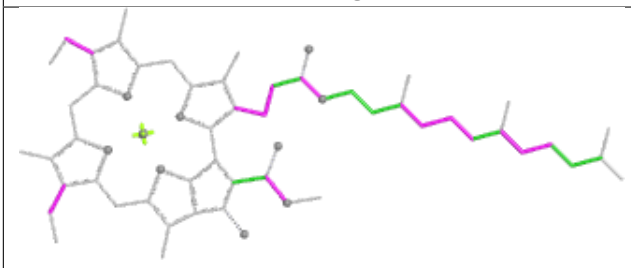
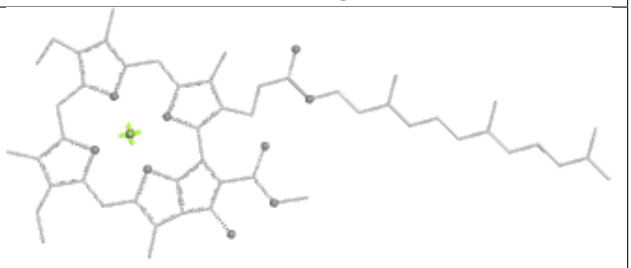
Bond angles

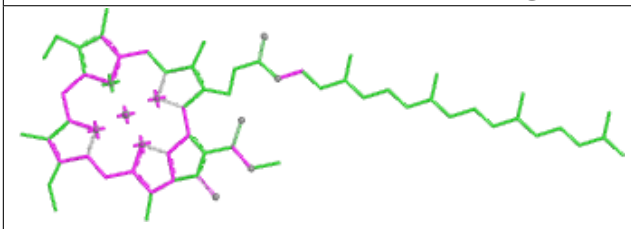
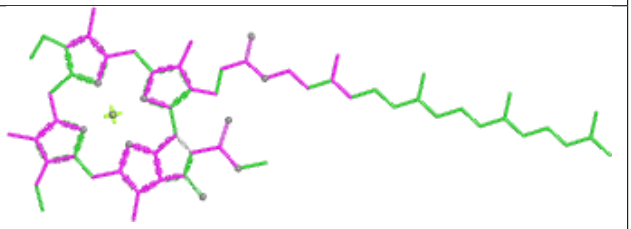
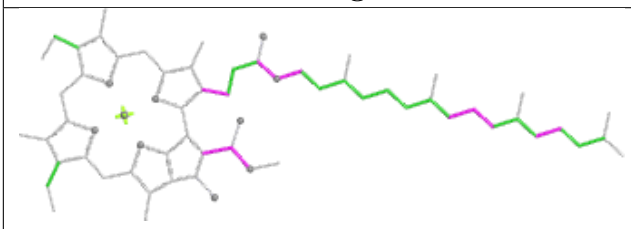
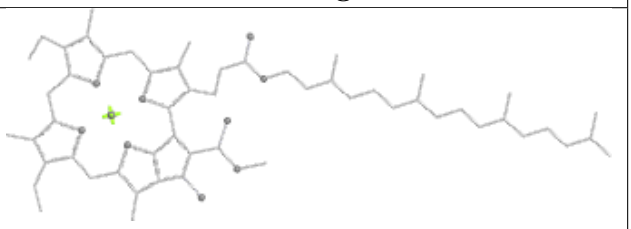


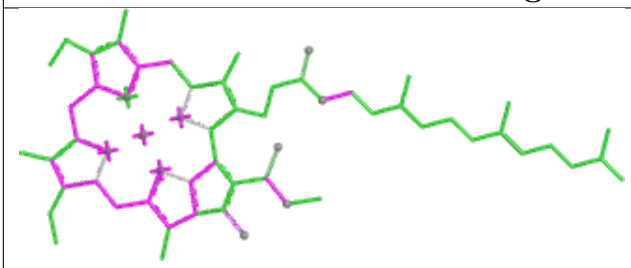
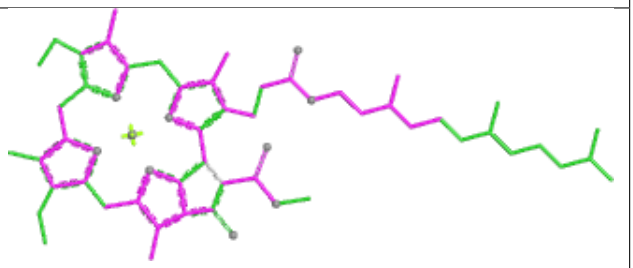
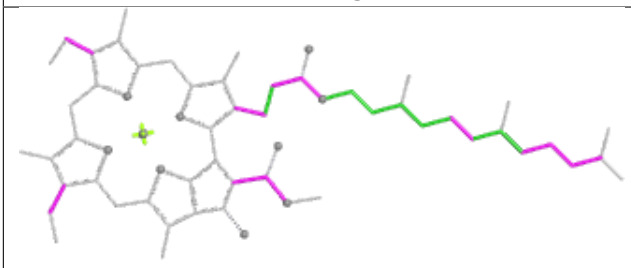
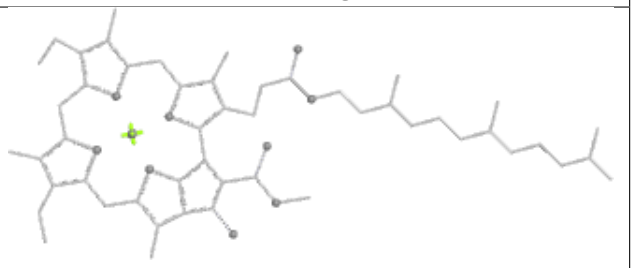
Torsions

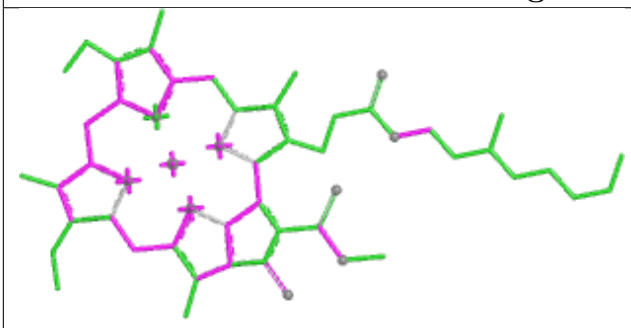
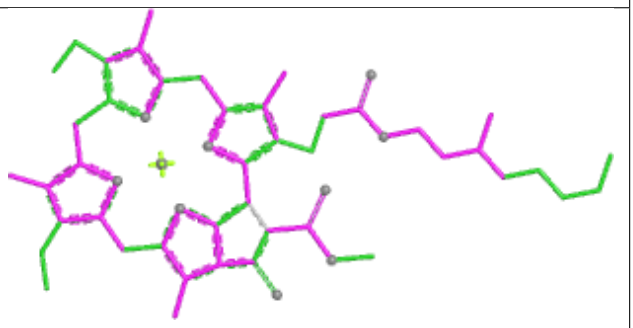
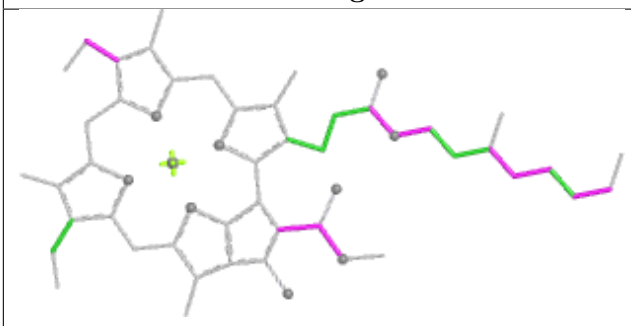
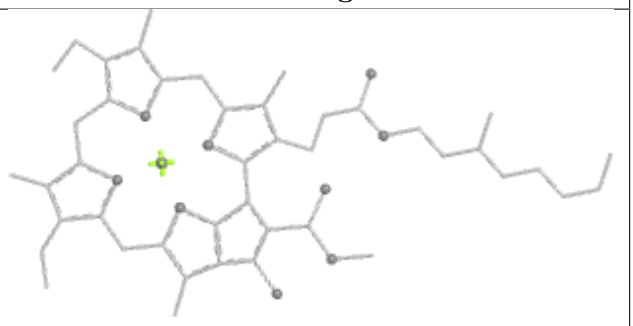


Rings

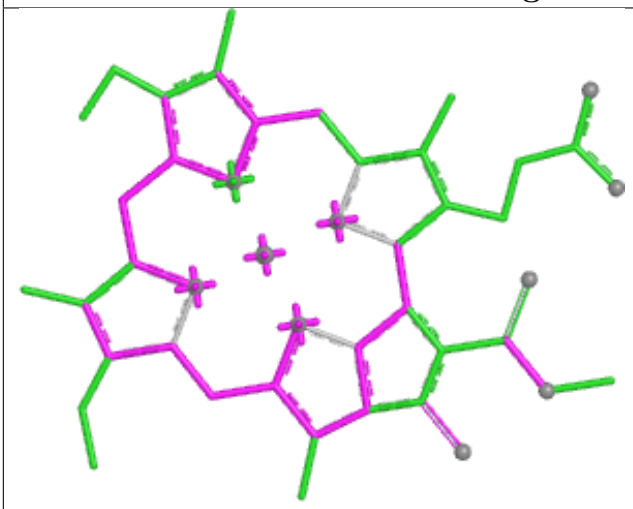
Ligand CLA a 812	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 831	
	
Bond lengths	Bond angles
	
Torsions	Rings

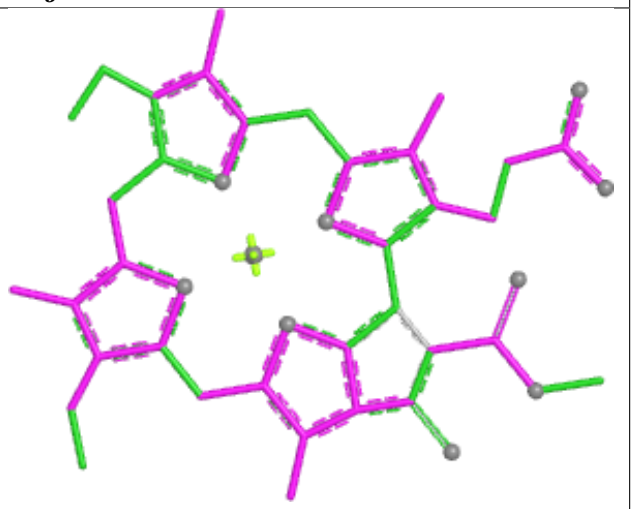
Ligand CLA B 838	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA b 823	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

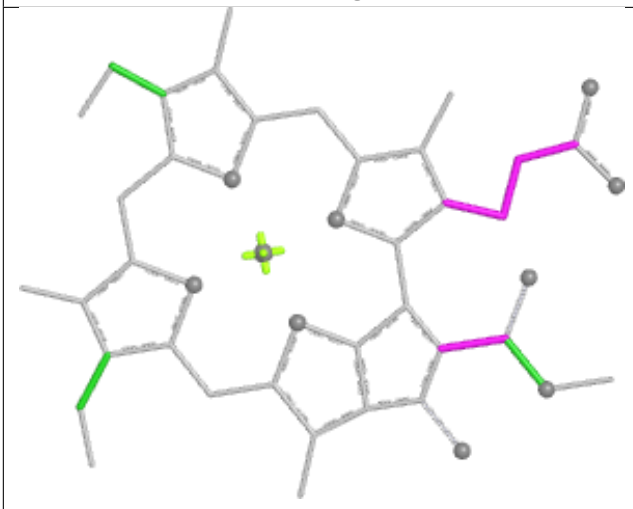
Ligand CLA j 1302



Bond lengths



Bond angles

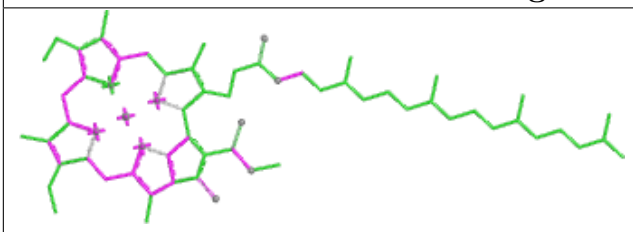


Torsions

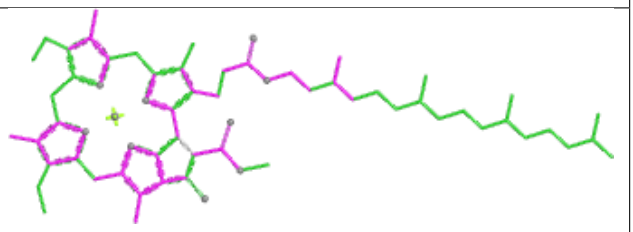


Rings

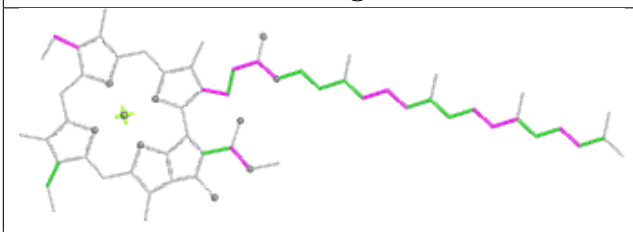
Ligand CLA a 805



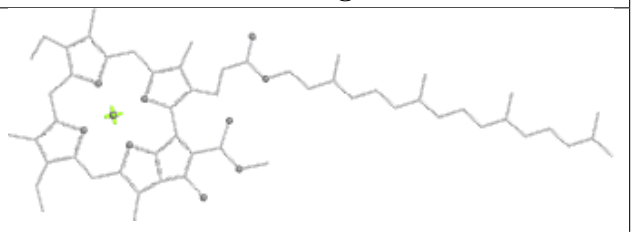
Bond lengths



Bond angles

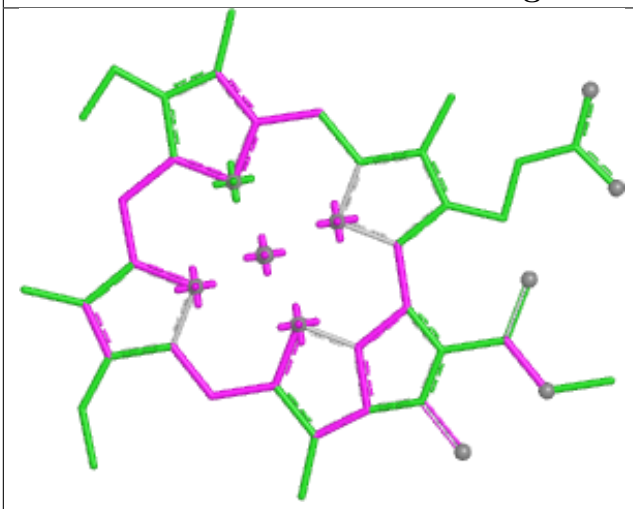


Torsions

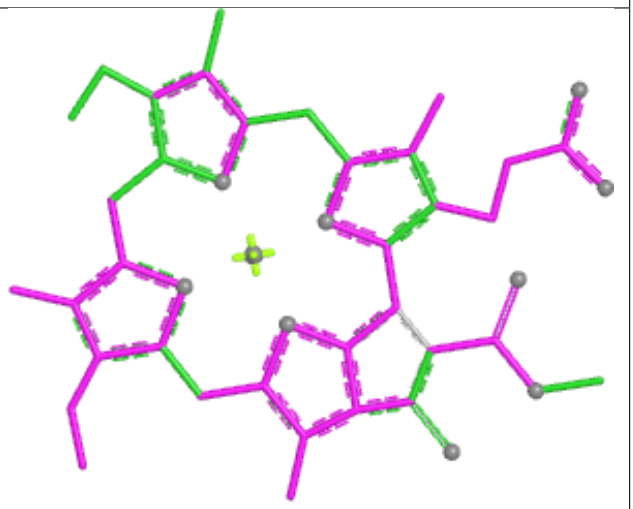


Rings

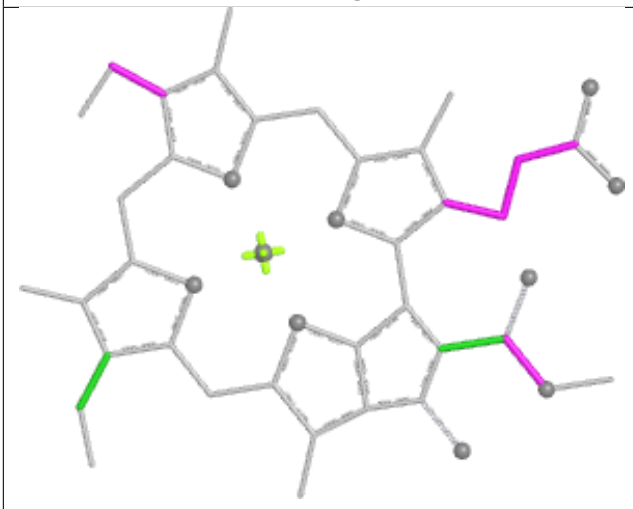
Ligand CLA H 832



Bond lengths



Bond angles

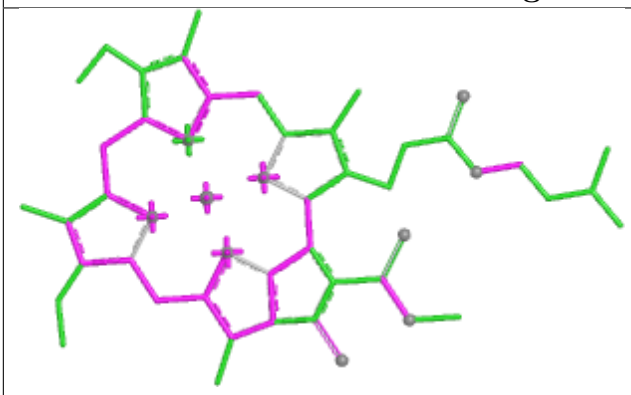


Torsions

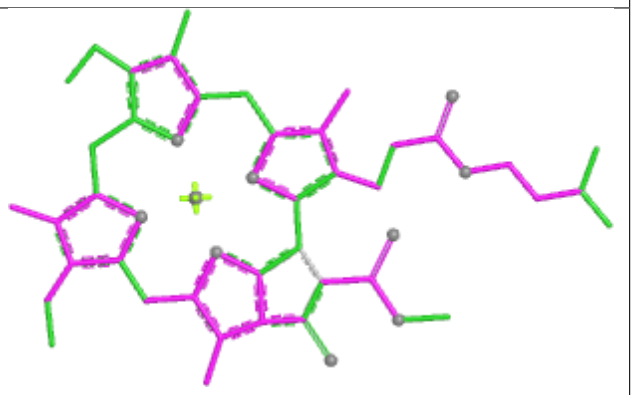


Rings

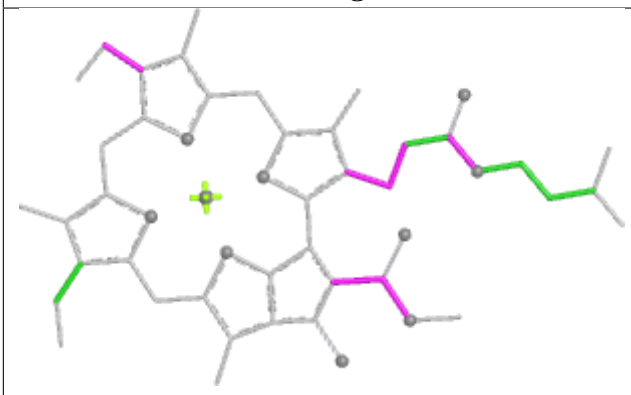
Ligand CLA G 830



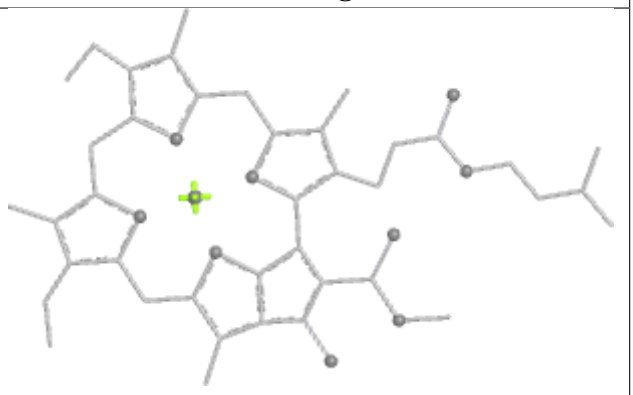
Bond lengths



Bond angles

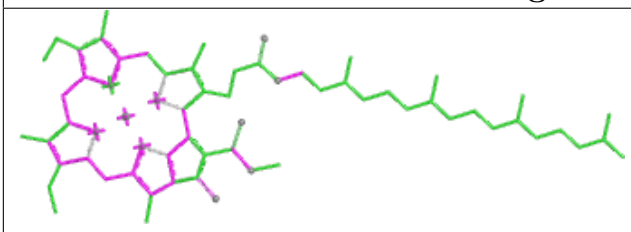


Torsions

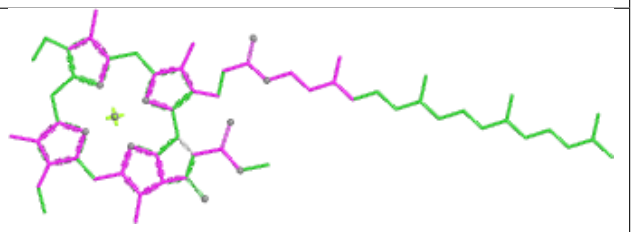


Rings

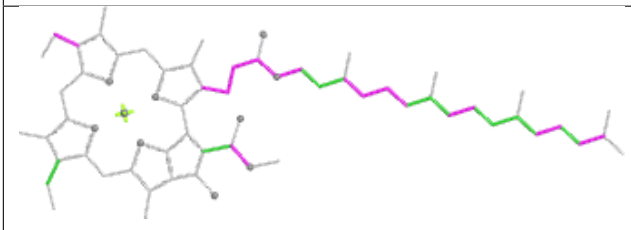
Ligand CLA a 840



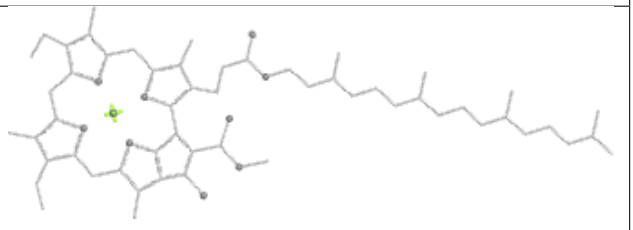
Bond lengths



Bond angles

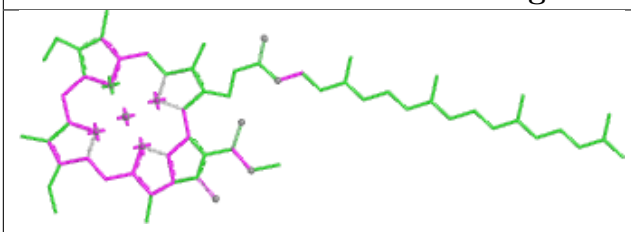


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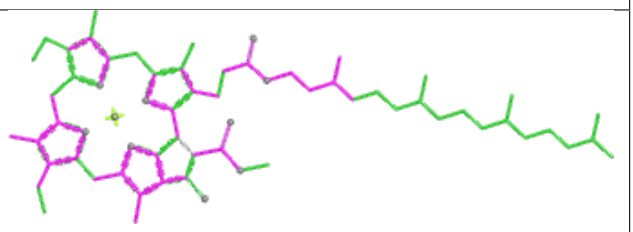


Rings

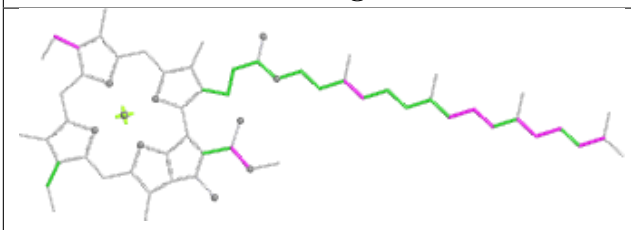
Ligand CLA a 831



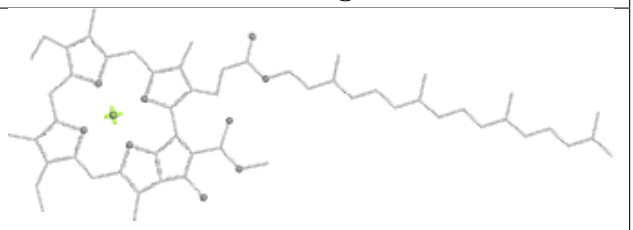
Bond lengths



Bond angles

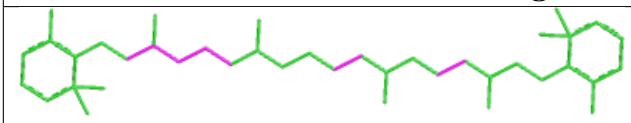


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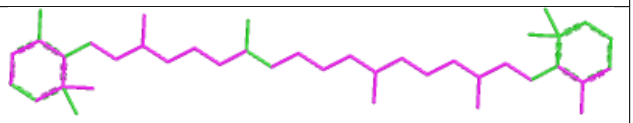


Rings

Ligand BCR i 101



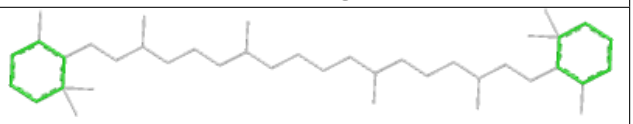
Bond lengths



Bond angles

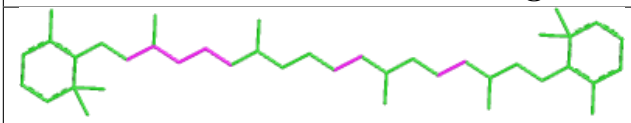


Torsions

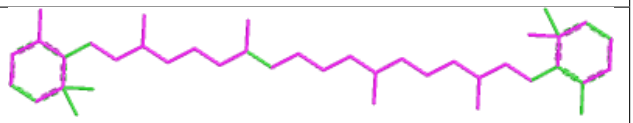


Rings

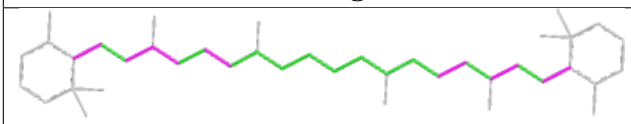
Ligand BCR S 103



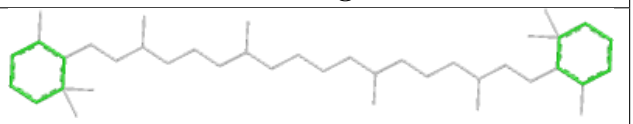
Bond lengths



Bond angles

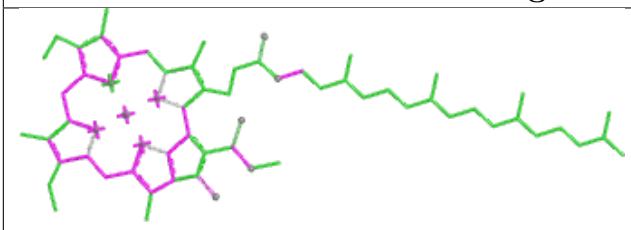


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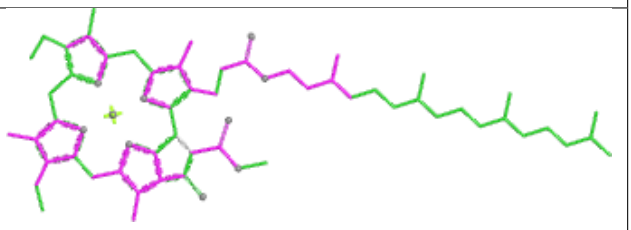


Rings

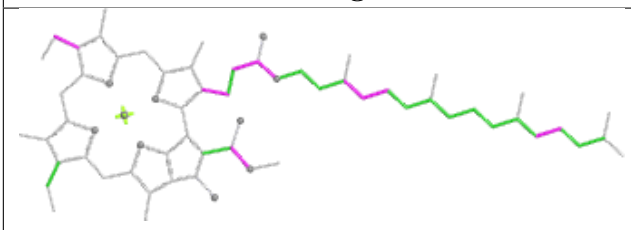
Ligand CLA a 820



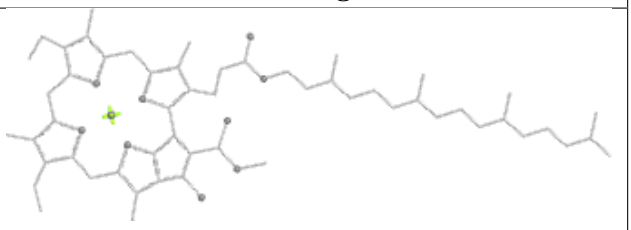
Bond lengths



Bond angles

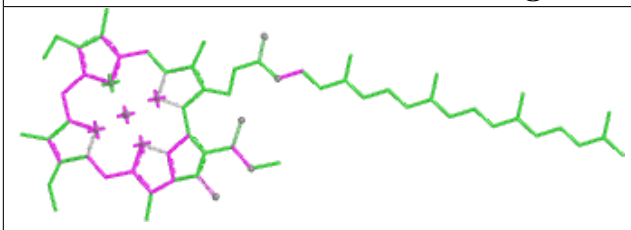


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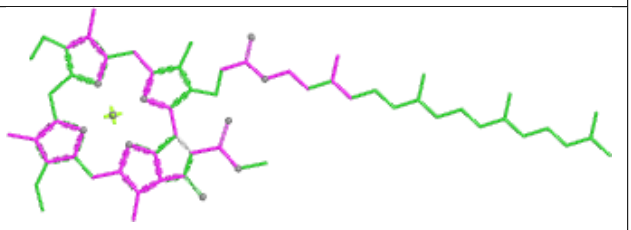


Rings

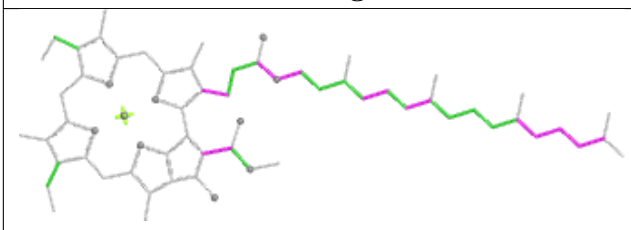
Ligand CLA B 808



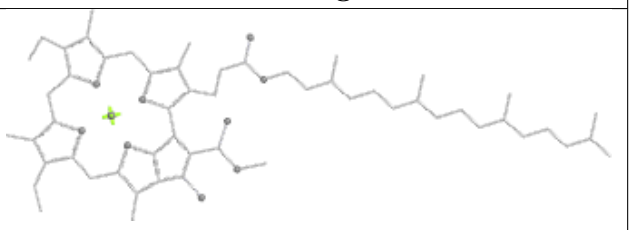
Bond lengths



Bond angles

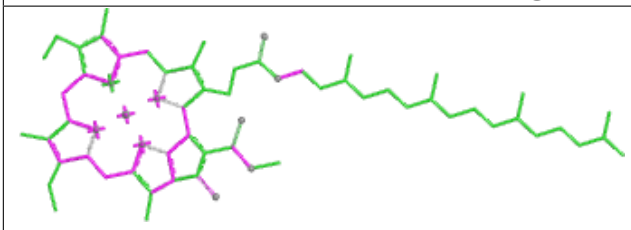


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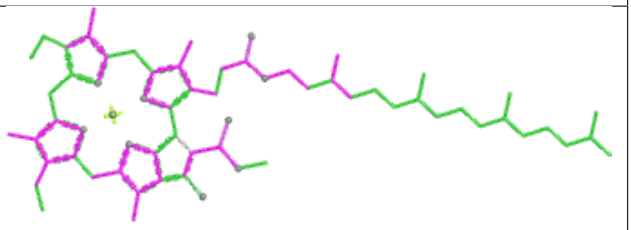


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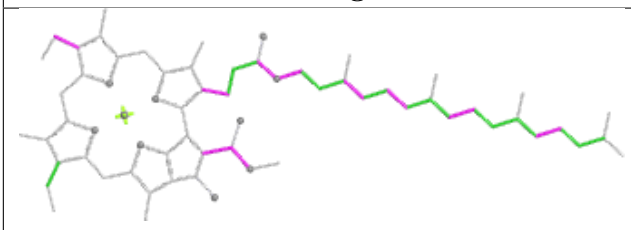
Ligand CLA a 802



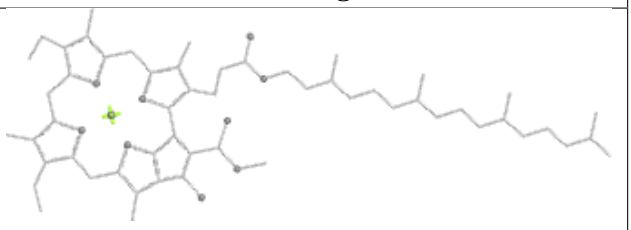
Bond lengths



Bond angles

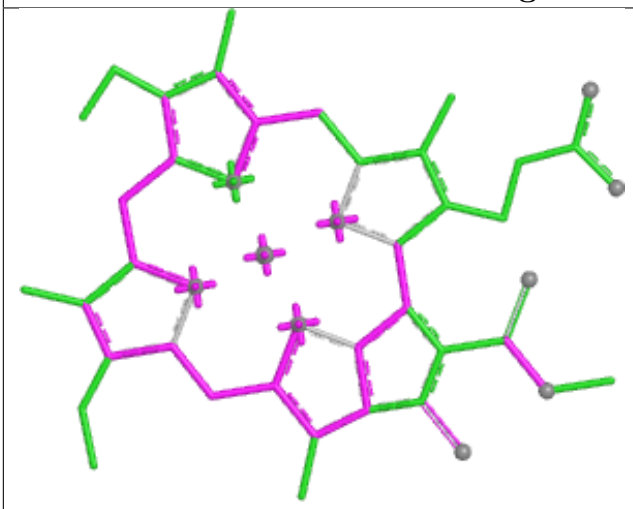


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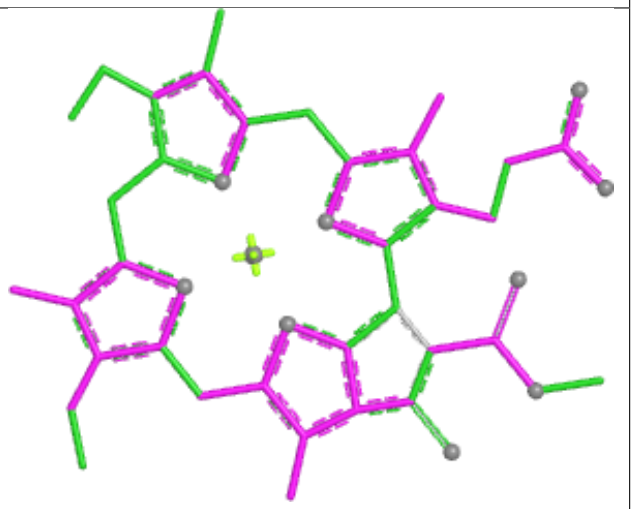


Rings

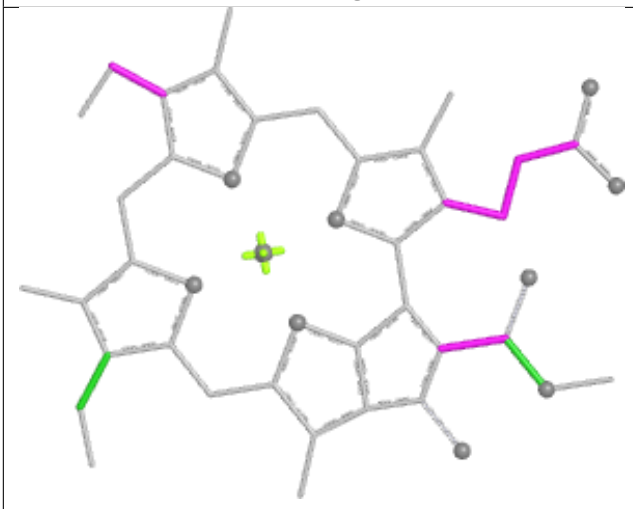
Ligand CLA J 1302



Bond lengths



Bond angles

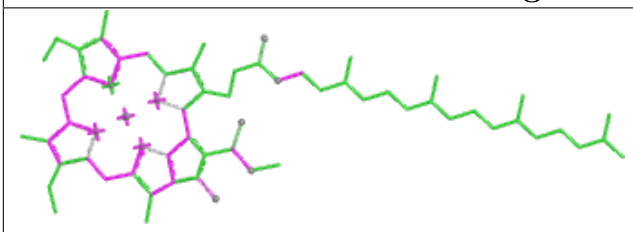


Torsions

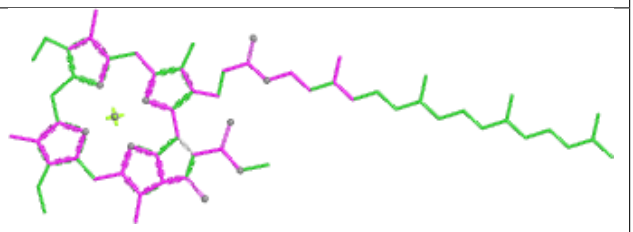


Rings

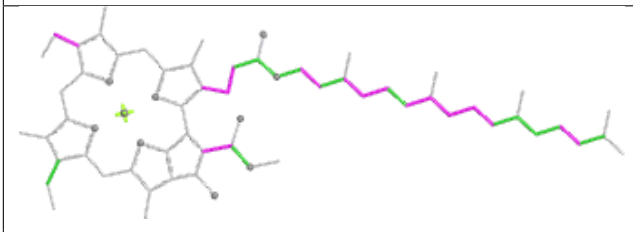
Ligand CLA H 805



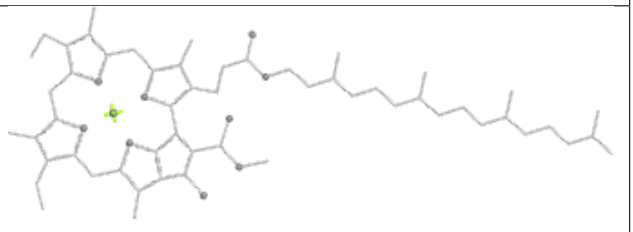
Bond lengths



Bond angles

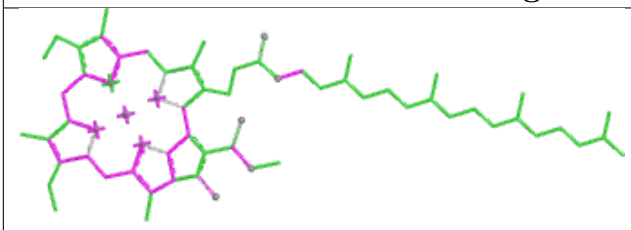


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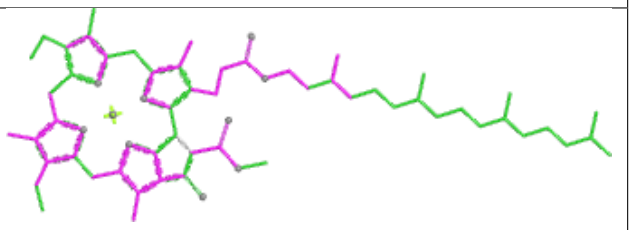


Rings

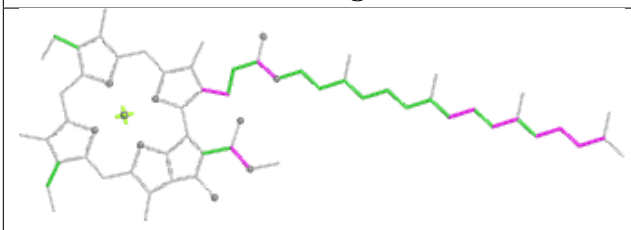
Ligand CLA G 818



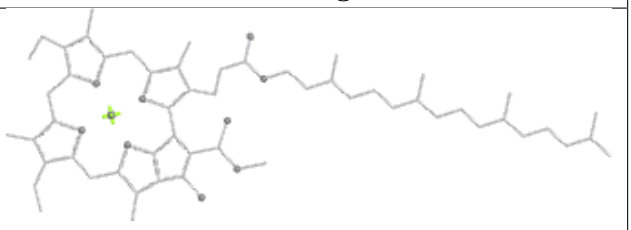
Bond lengths



Bond angles

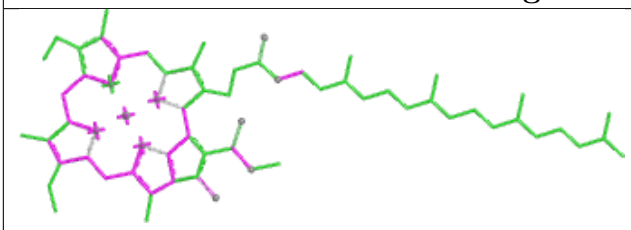


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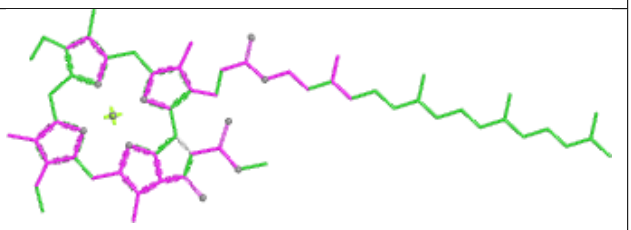


Rings

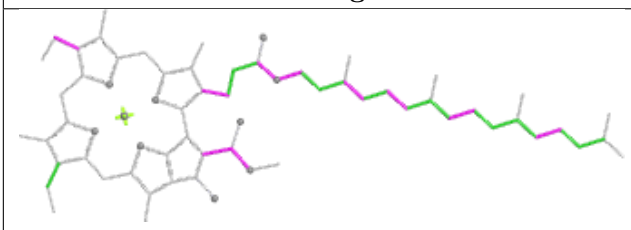
Ligand CLA G 802



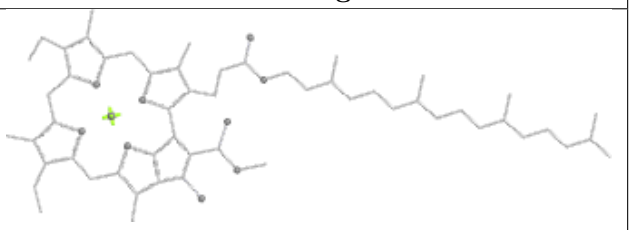
Bond lengths



Bond angles

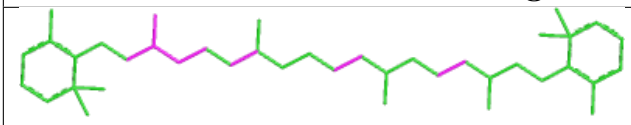


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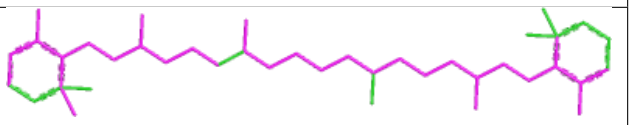


Rings

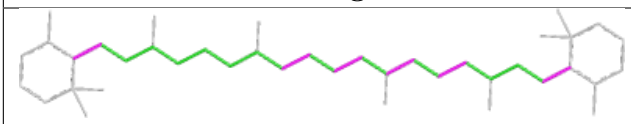
Ligand BCR b 845



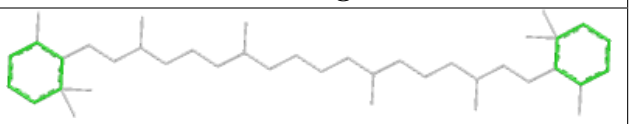
Bond lengths



Bond angles

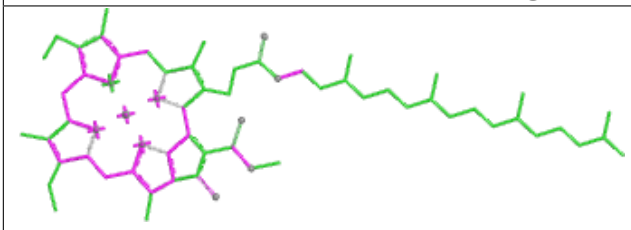


Torsions

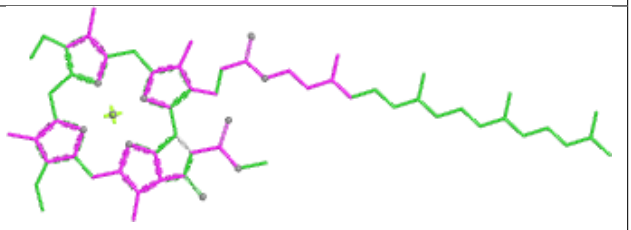


Rings

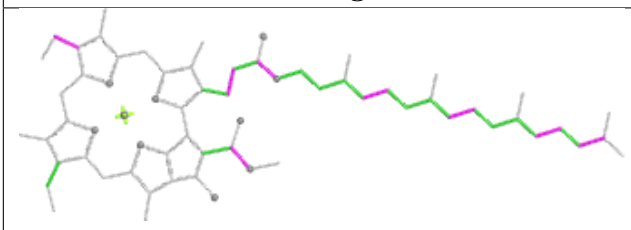
Ligand CLA B 841



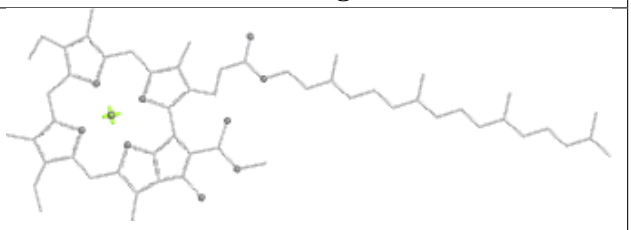
Bond lengths



Bond angles

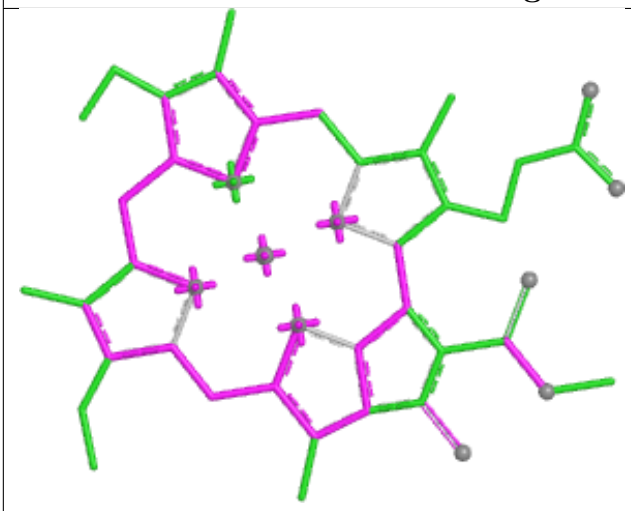


Torsions

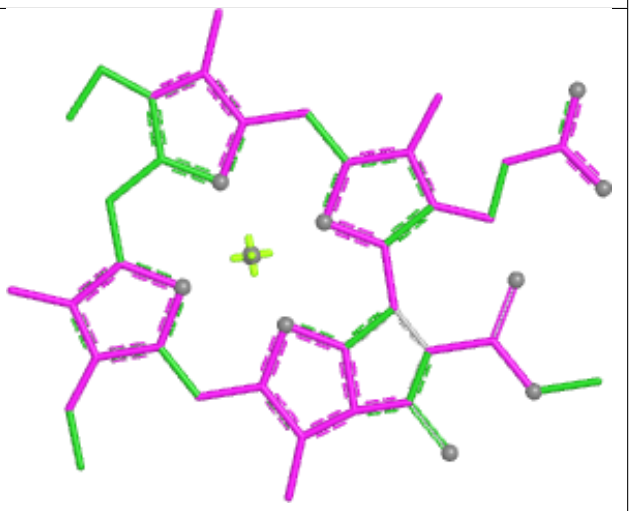


Rings

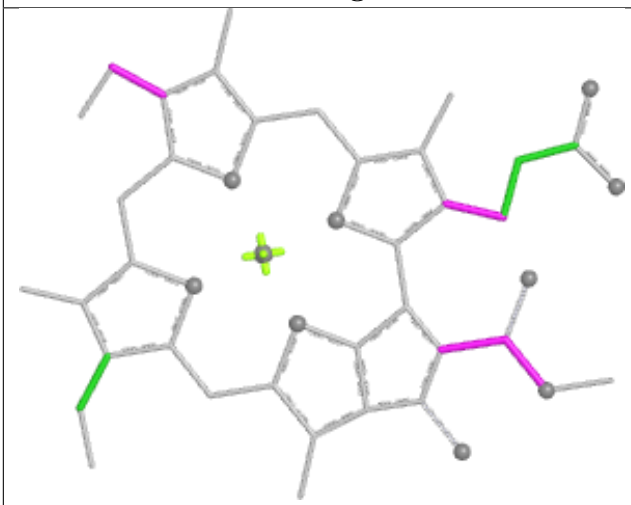
Ligand CLA A 813



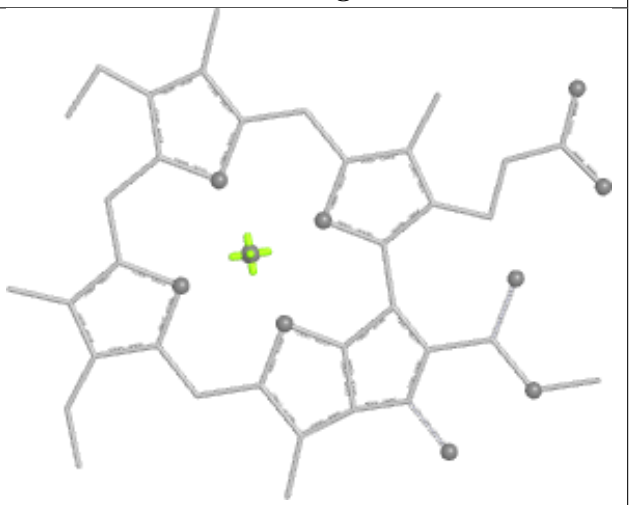
Bond lengths



Bond angles

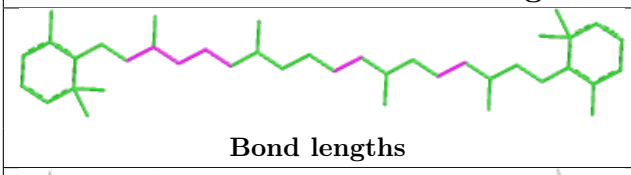


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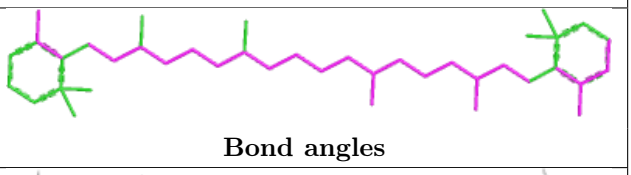


Rings

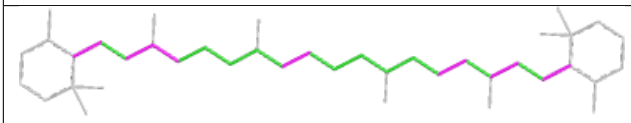
Ligand BCR L 207



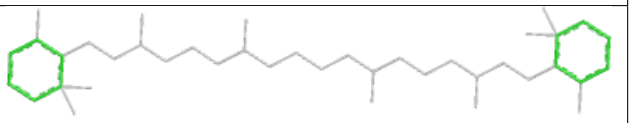
Bond lengths



Bond angles

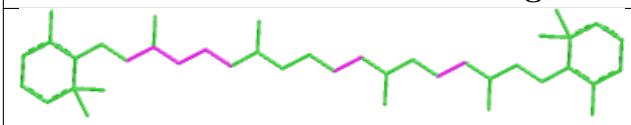


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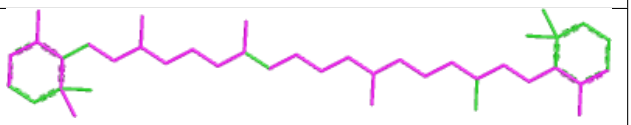


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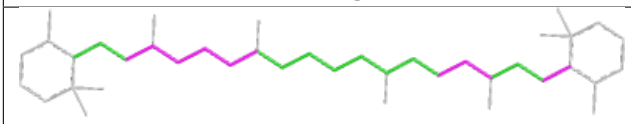
Ligand BCR L 202



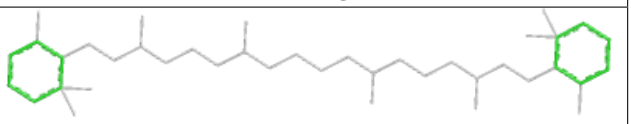
Bond lengths



Bond angles

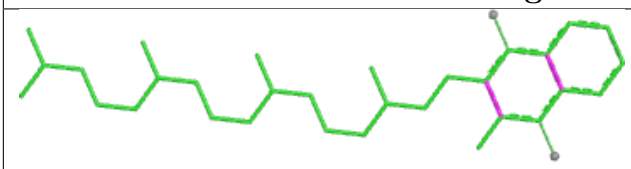


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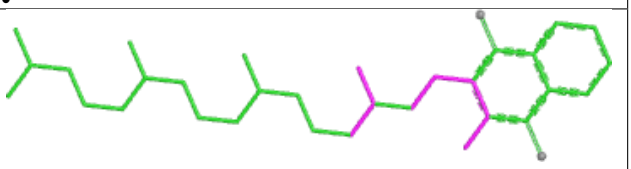


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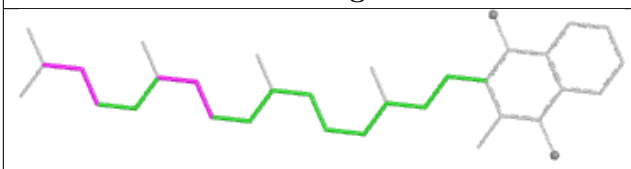
Ligand PQN b 841



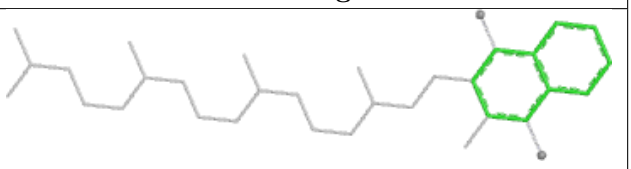
Bond lengths



Bond angles

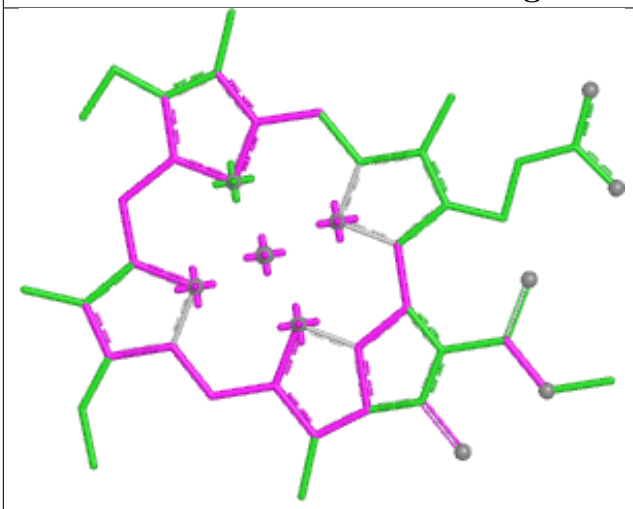


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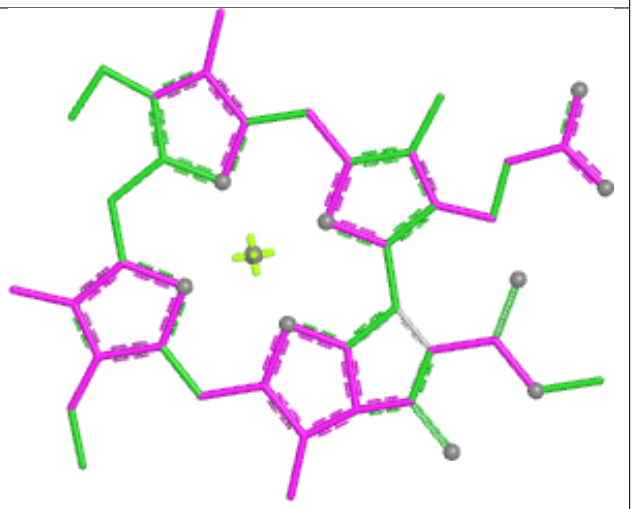


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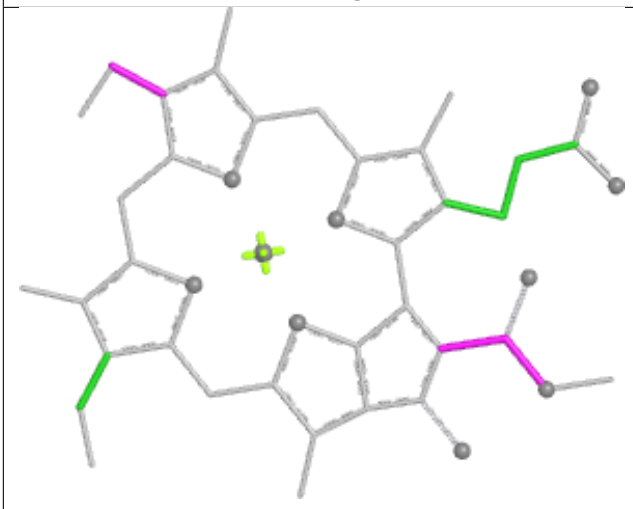
Ligand CLA H 835



Bond lengths



Bond angles

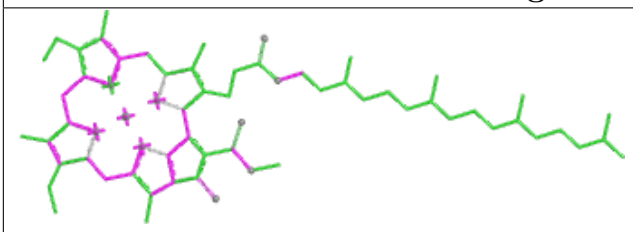


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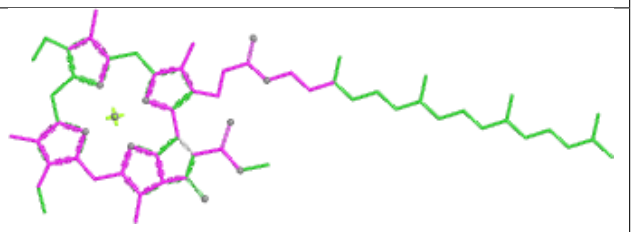


Rings

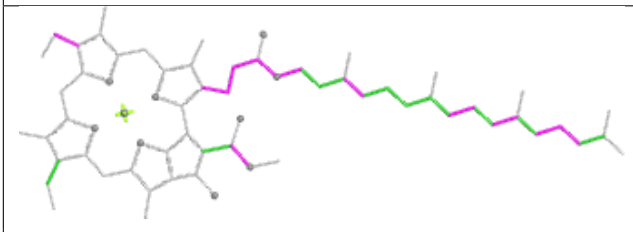
Ligand CLA b 826



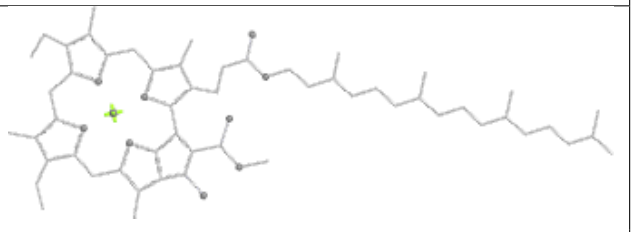
Bond lengths



Bond angles

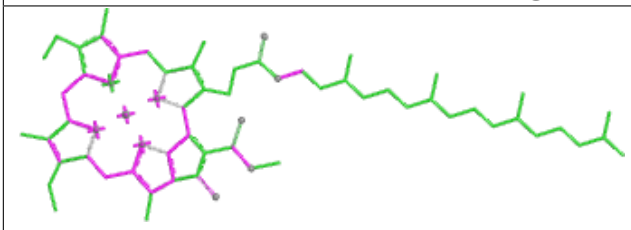


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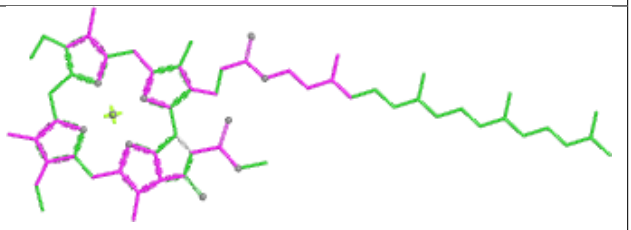


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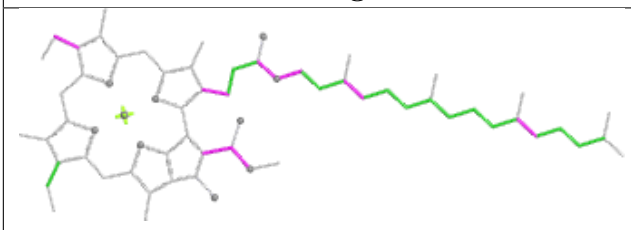
Ligand CLA b 813



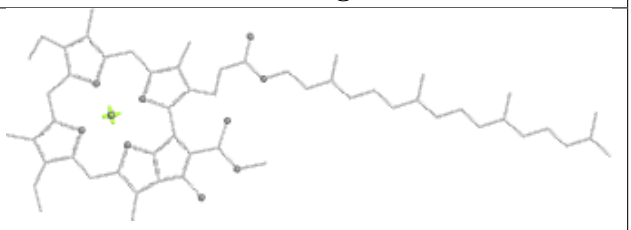
Bond lengths



Bond angles

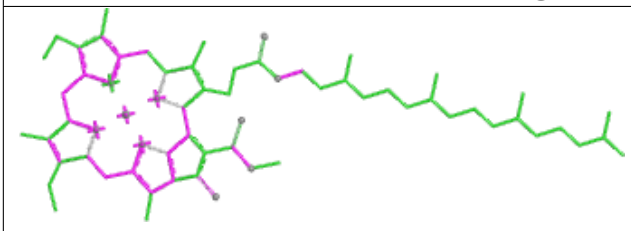


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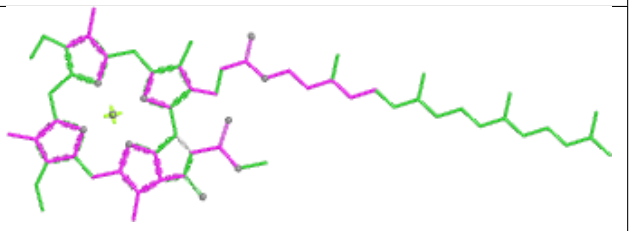


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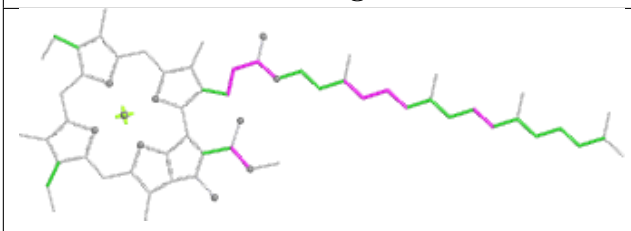
Ligand CLA l 205



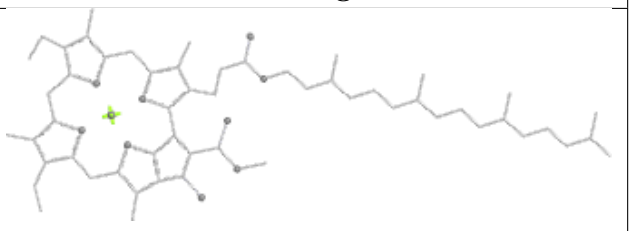
Bond lengths



Bond angles

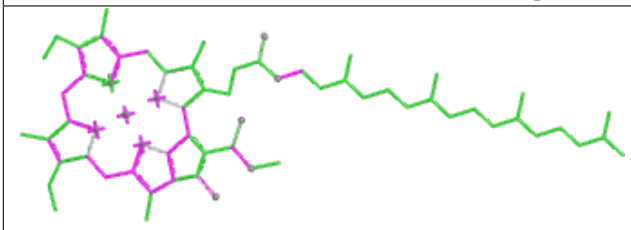


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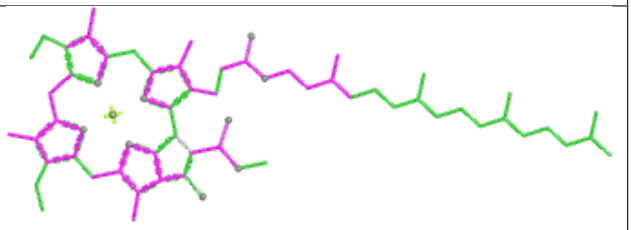


Rings

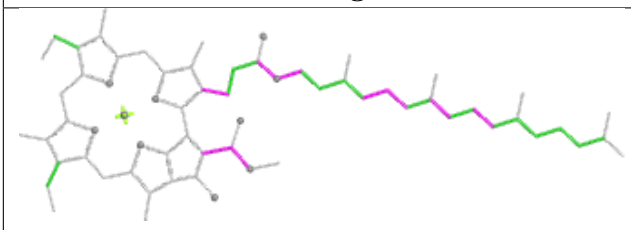
Ligand CLA a 829



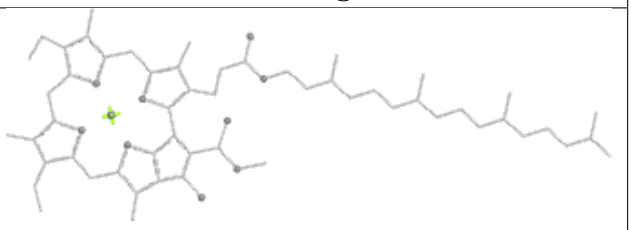
Bond lengths



Bond angles

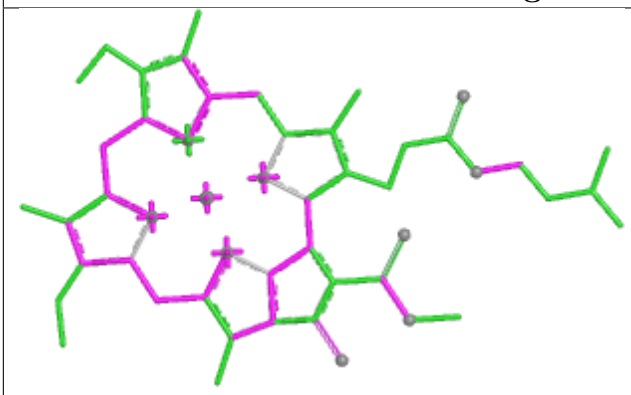


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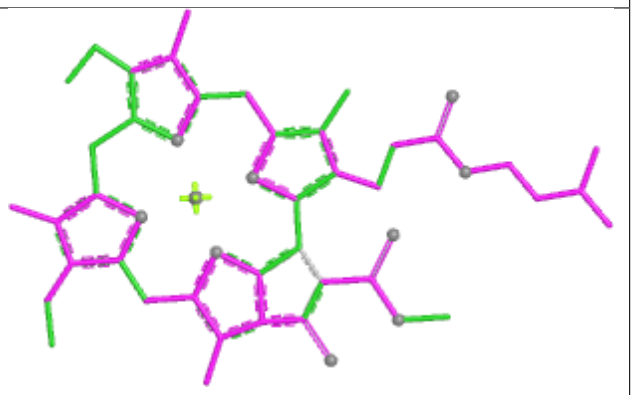


Rings

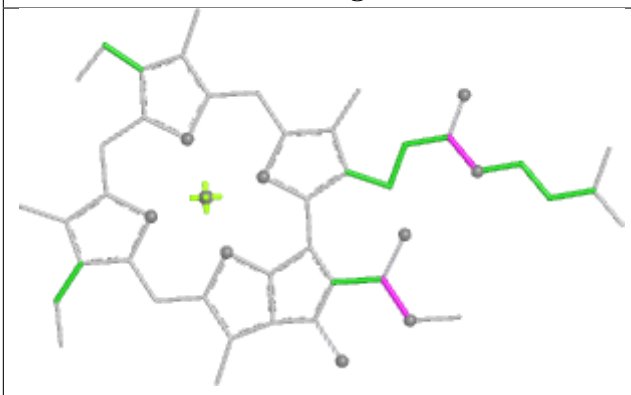
Ligand CLA A 833



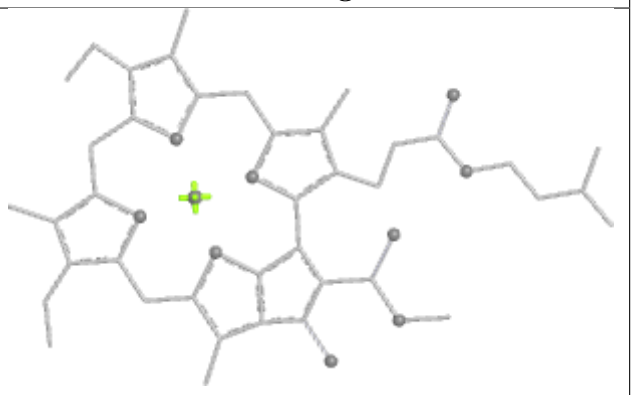
Bond lengths



Bond angles

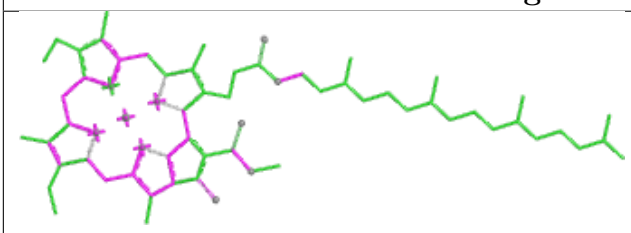


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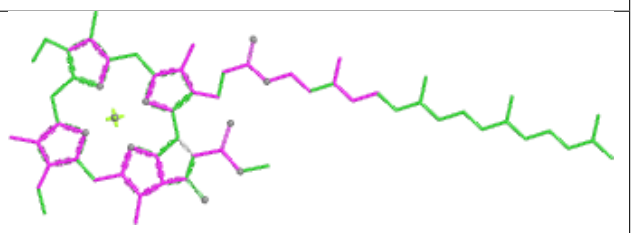


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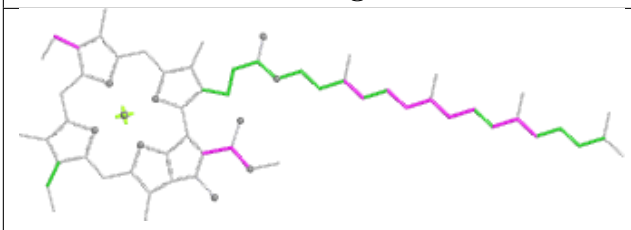
Ligand CLA A 836



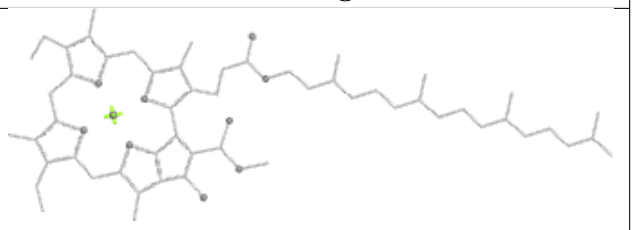
Bond lengths



Bond angles

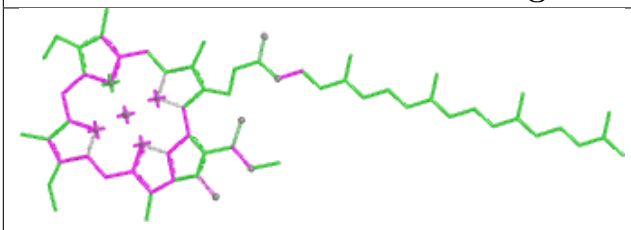


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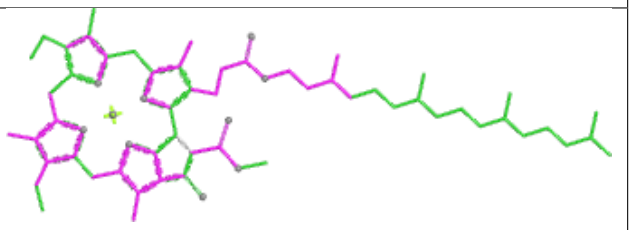


Rings

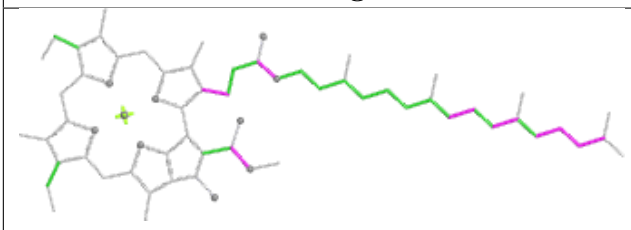
Ligand CLA a 818



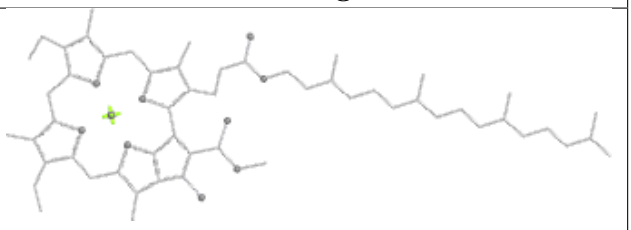
Bond lengths



Bond angles

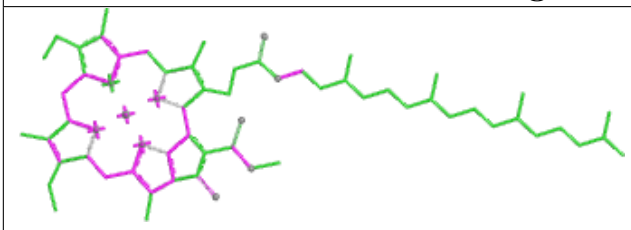


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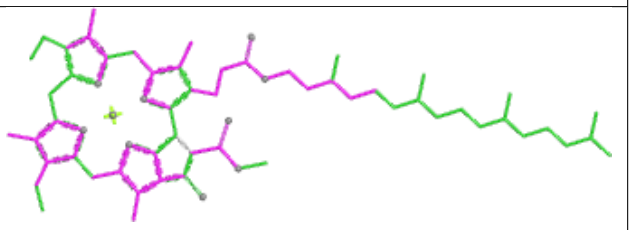


Rings

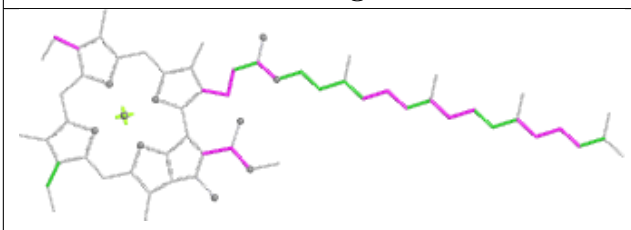
Ligand CLA a 807



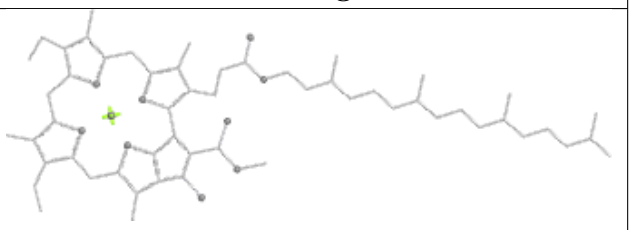
Bond lengths



Bond angles

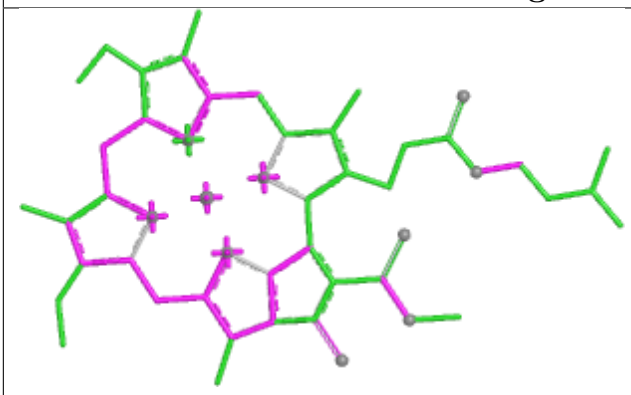


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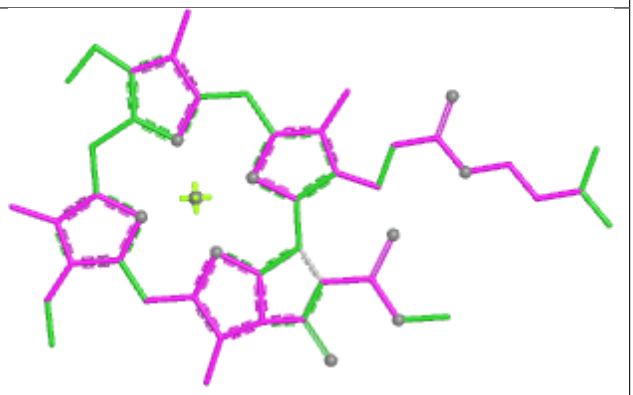


Rings

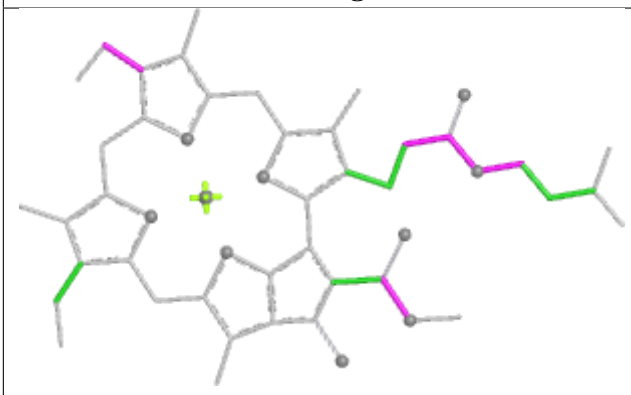
Ligand CLA a 806



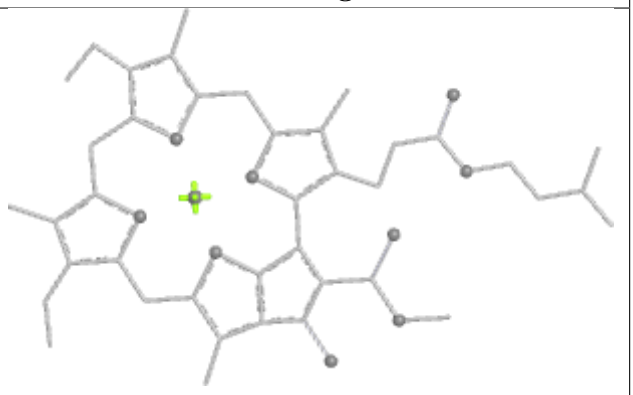
Bond lengths



Bond angles

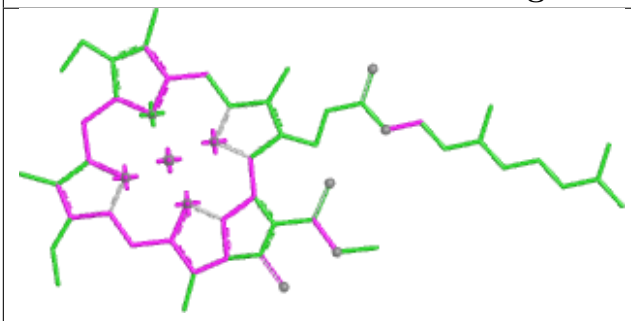


Torsions

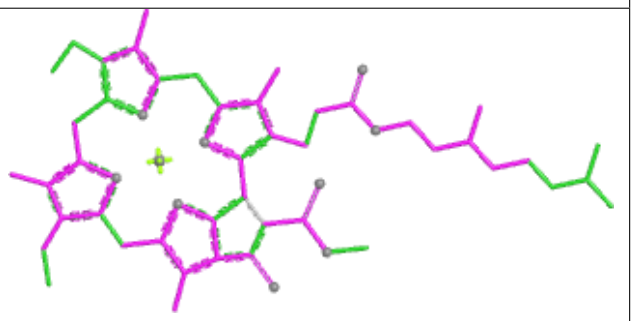


Rings

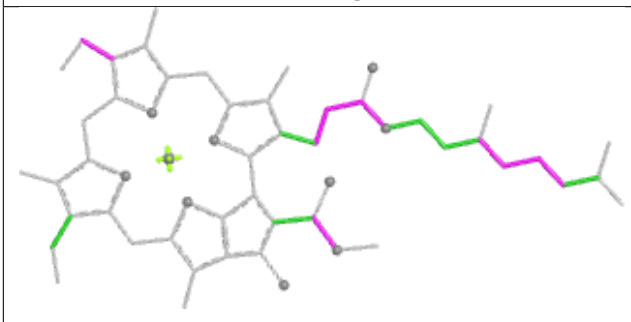
Ligand CLA b 816



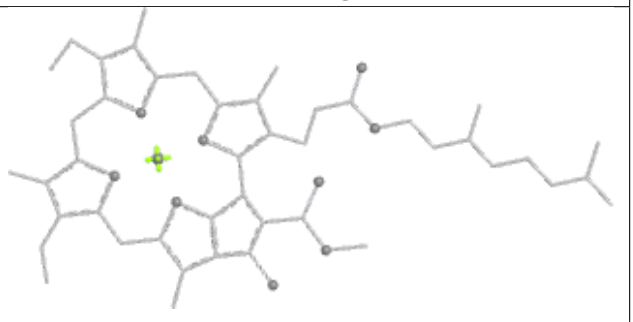
Bond lengths



Bond angles

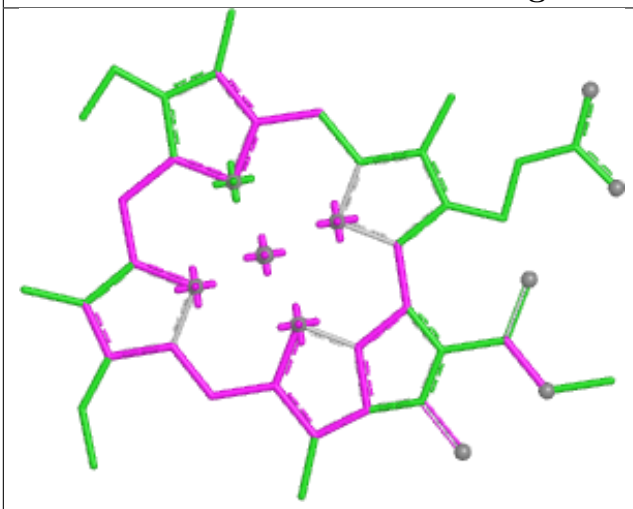


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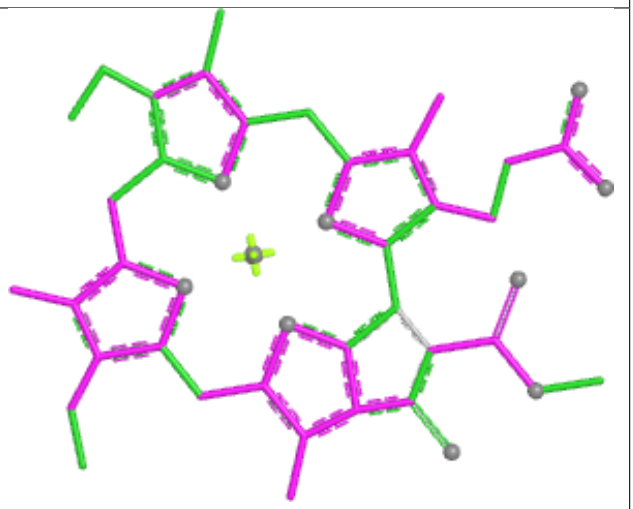


Rings

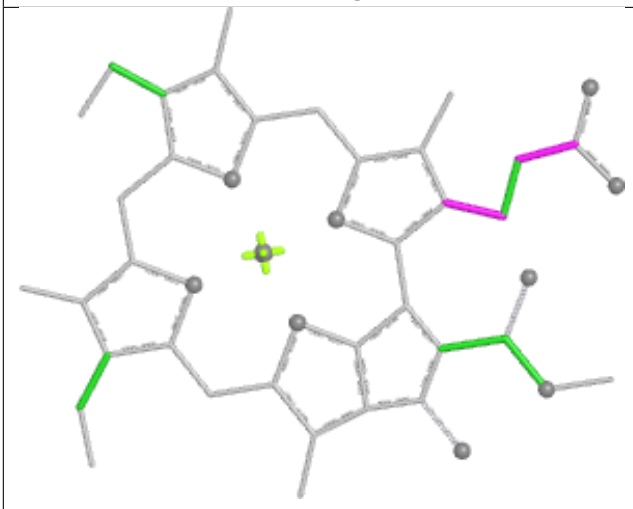
Ligand CLA a 837



Bond lengths



Bond angles

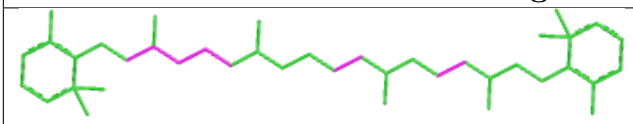


Torsions

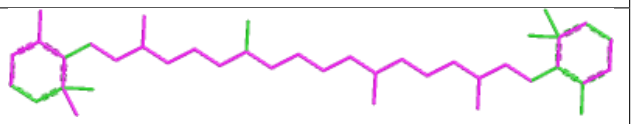


Rings

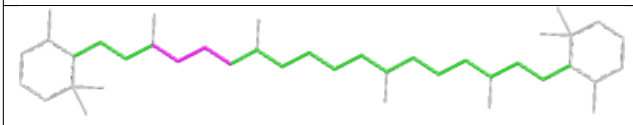
Ligand BCR l 202



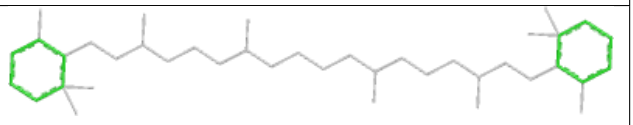
Bond lengths



Bond angles

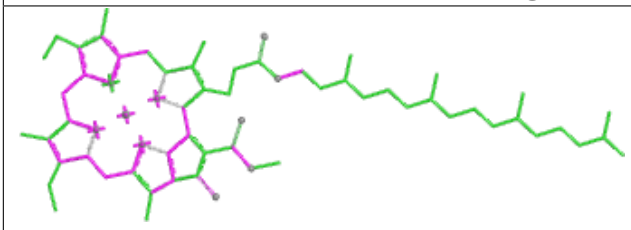


Torsions

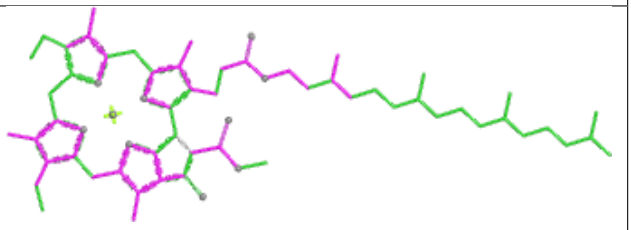


Rings

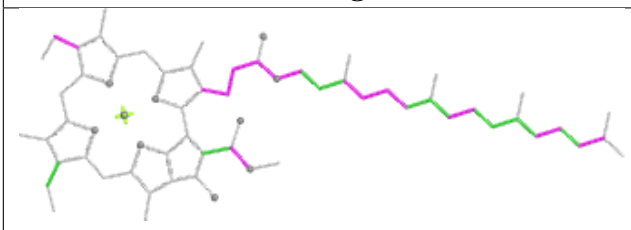
Ligand CLA A 839



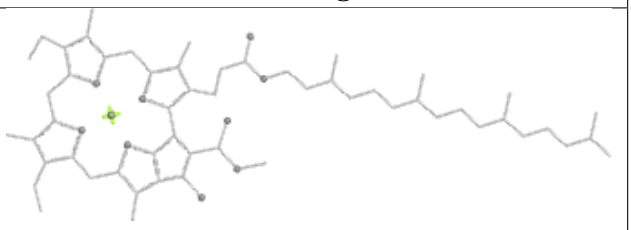
Bond lengths



Bond angles

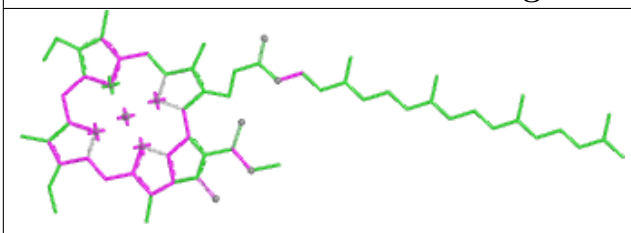


Torsions

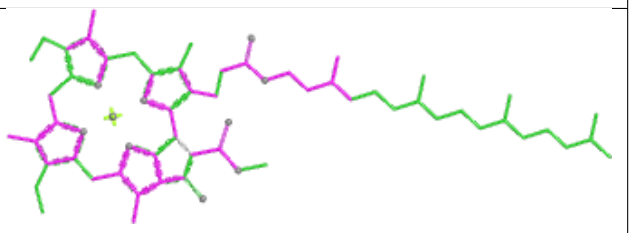


Rings

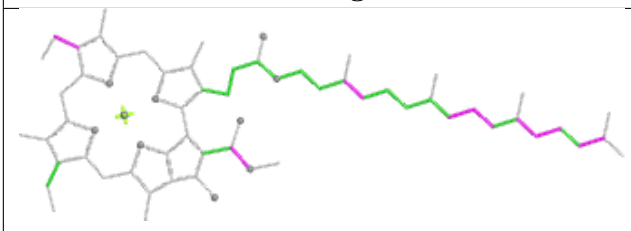
Ligand CLA G 831



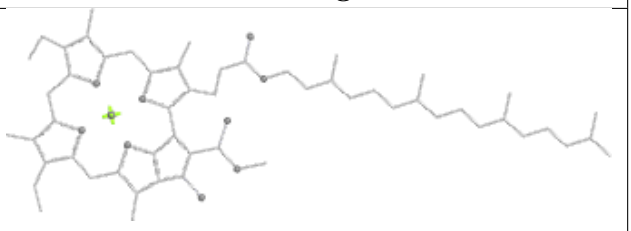
Bond lengths



Bond angles

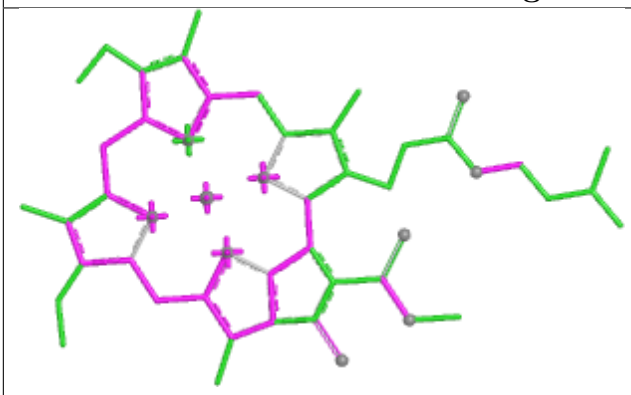


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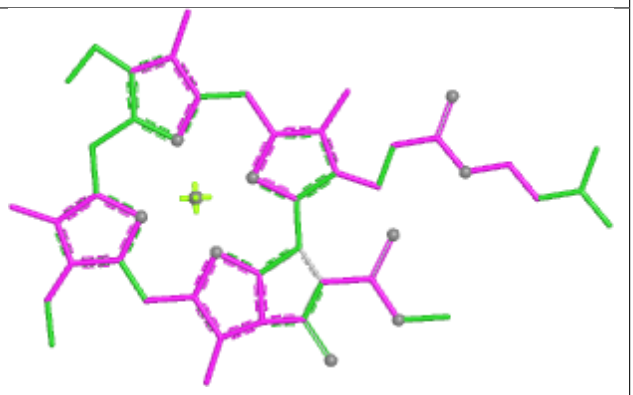


Rings

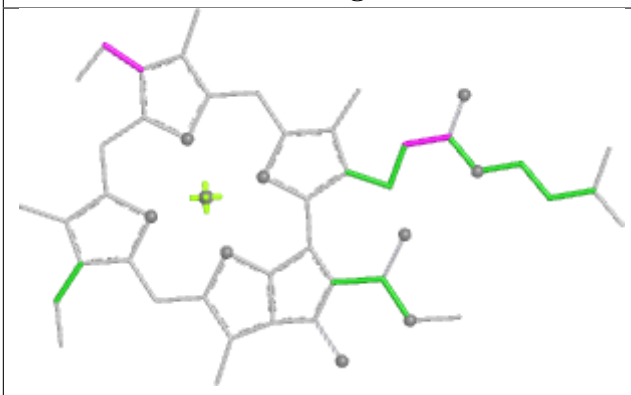
Ligand CLA G 816



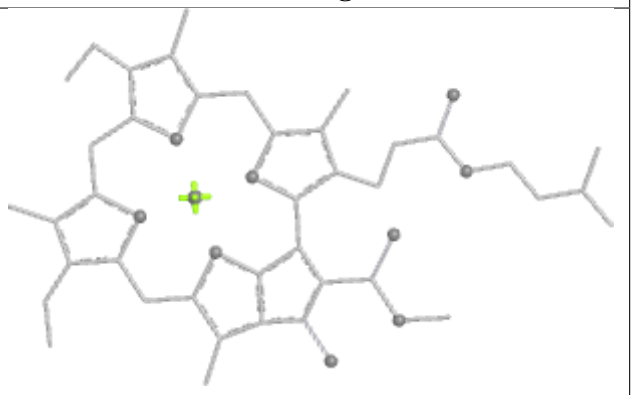
Bond lengths



Bond angles

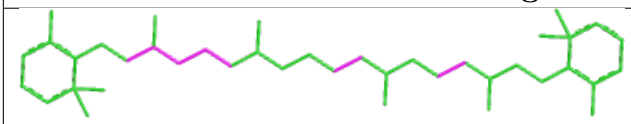


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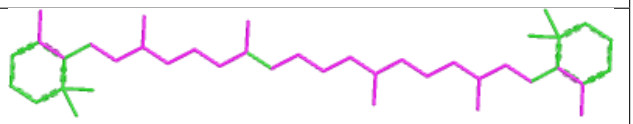


Rings

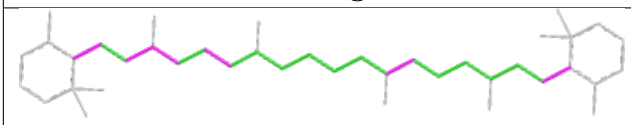
Ligand BCR G 847



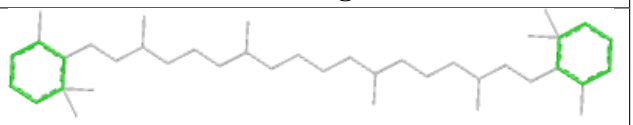
Bond lengths



Bond angles

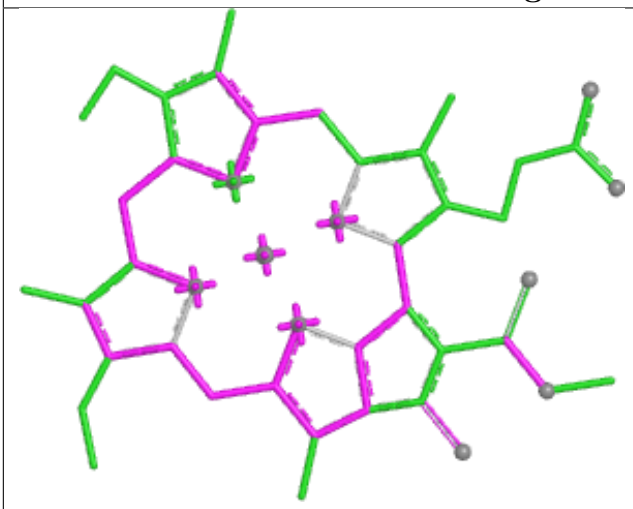


Torsions

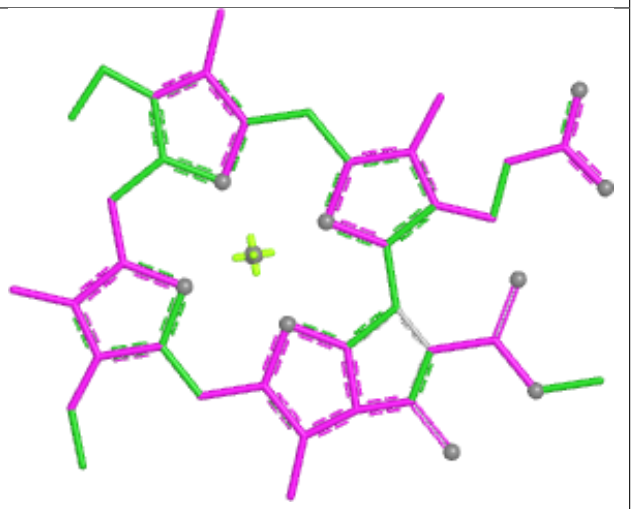


Rings

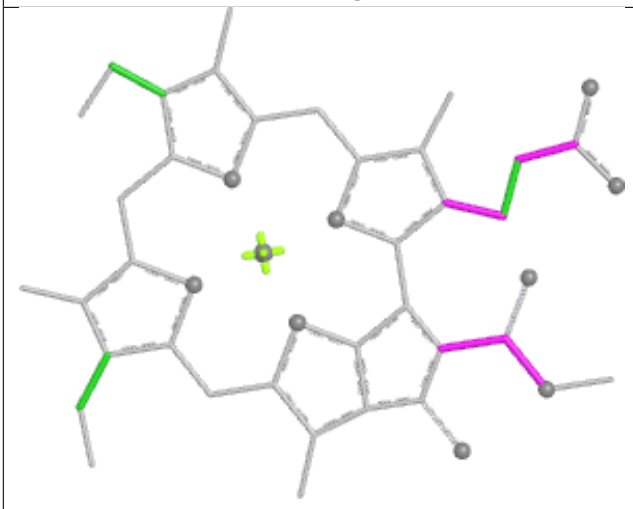
Ligand CLA B 823



Bond lengths



Bond angles

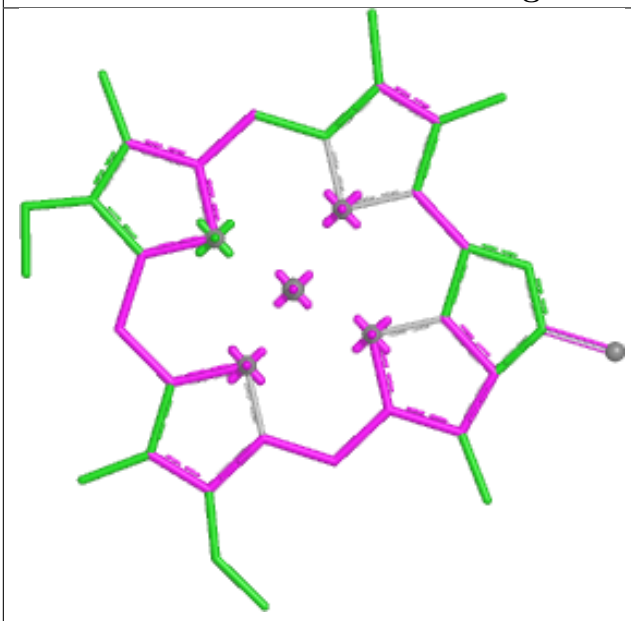


Torsions

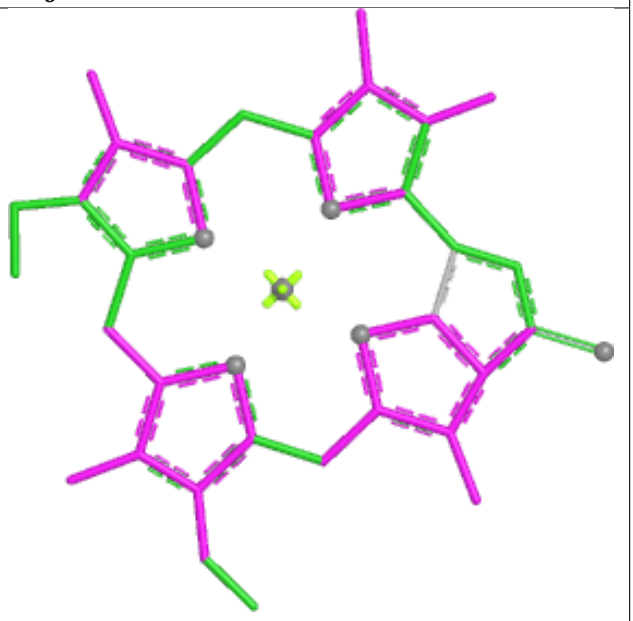


Rings

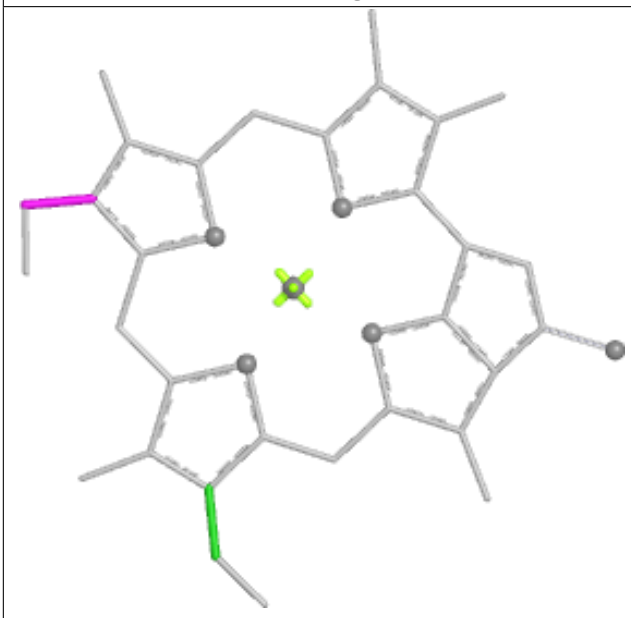
Ligand CLA j 1303



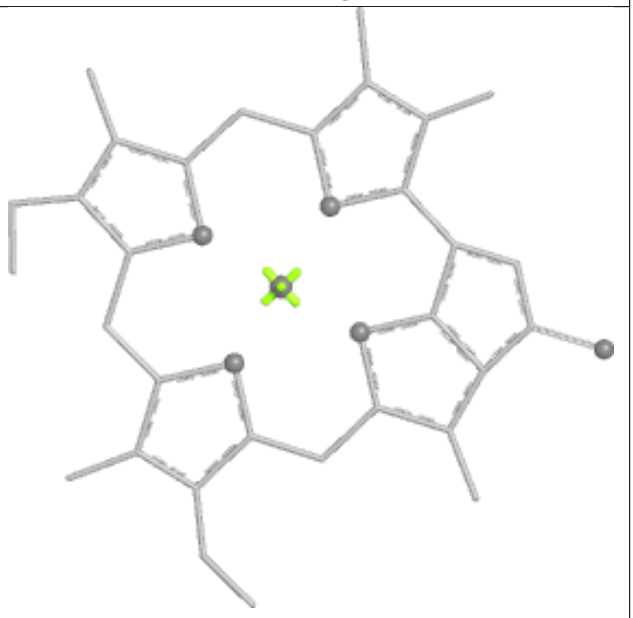
Bond lengths



Bond angles

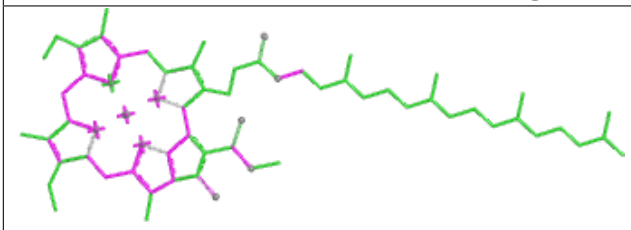


Torsions

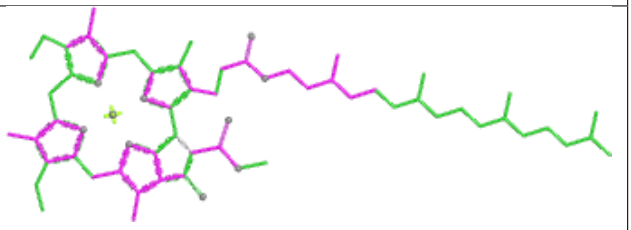


Rings

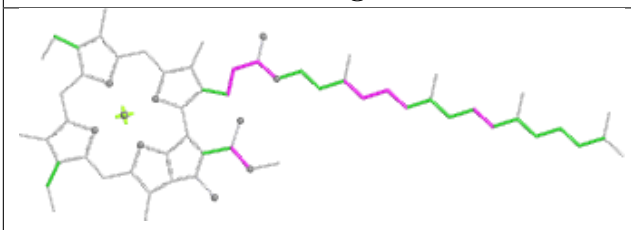
Ligand CLA L 206



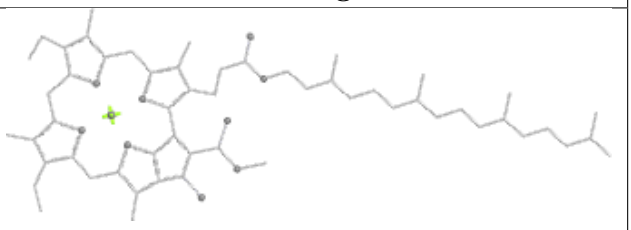
Bond lengths



Bond angles

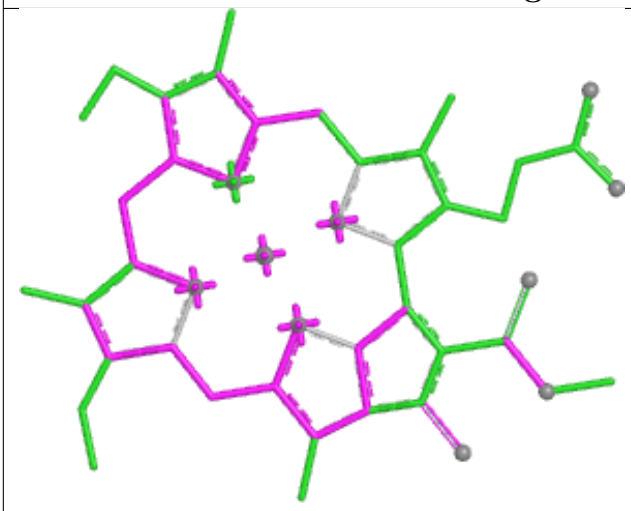


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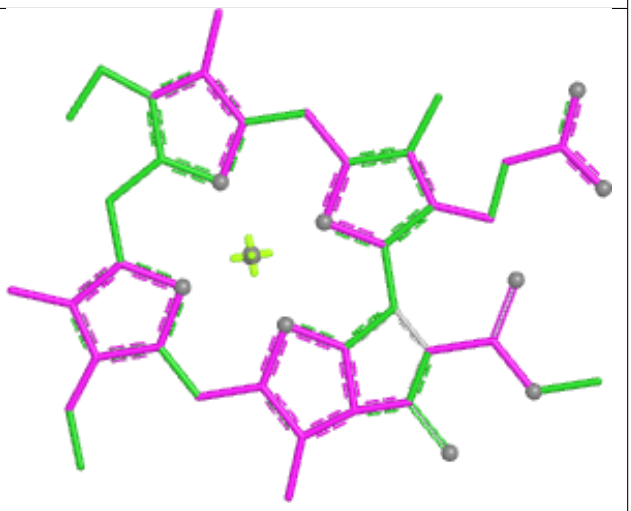


Rings

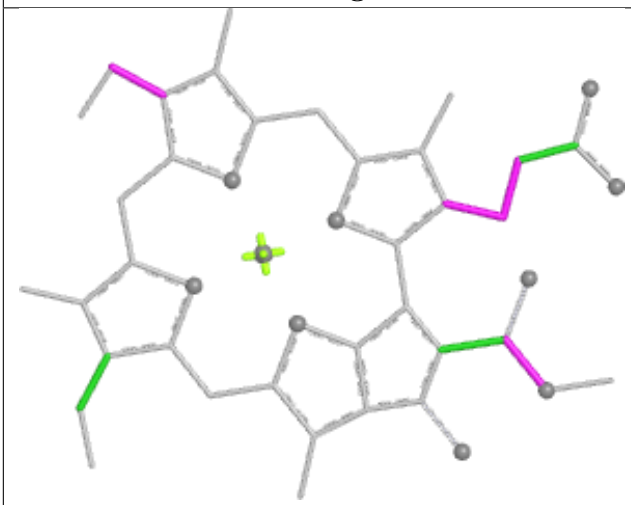
Ligand CLA B 814



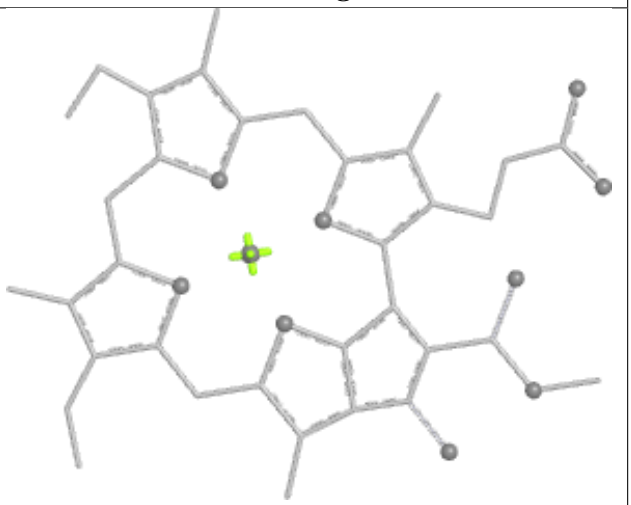
Bond lengths



Bond angles

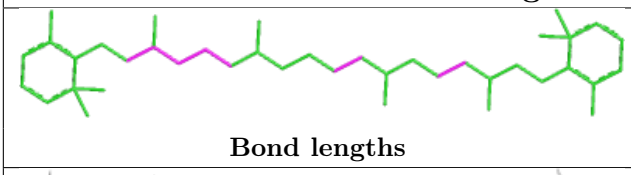


Torsions

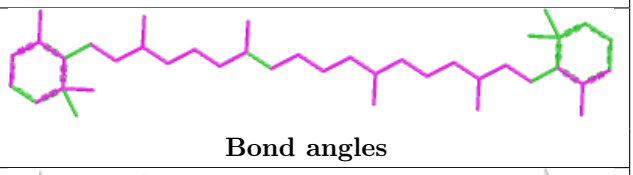


Rings

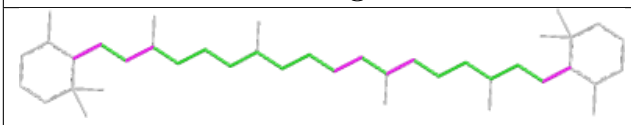
Ligand BCR B 852



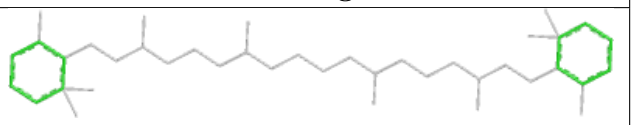
Bond lengths



Bond angles

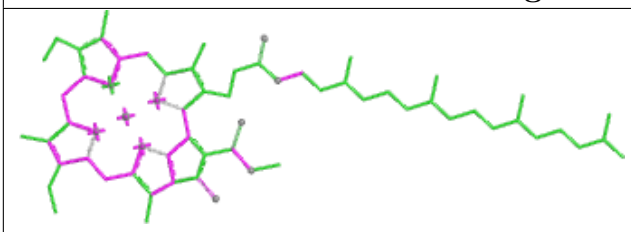


Torsions

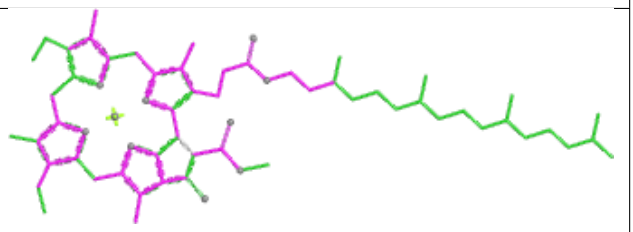


Rings

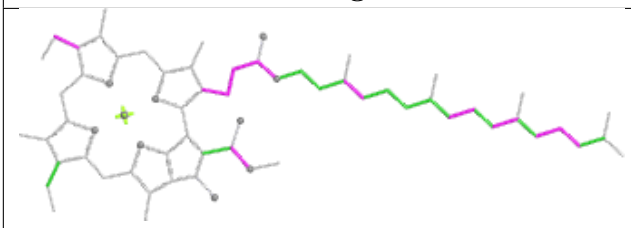
Ligand CLA B 829



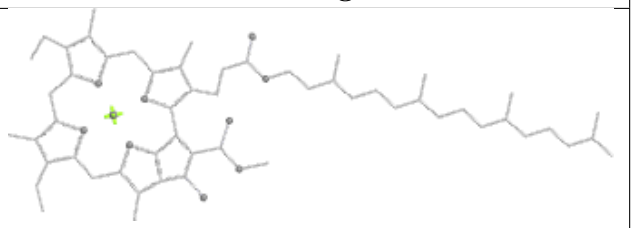
Bond lengths



Bond angles

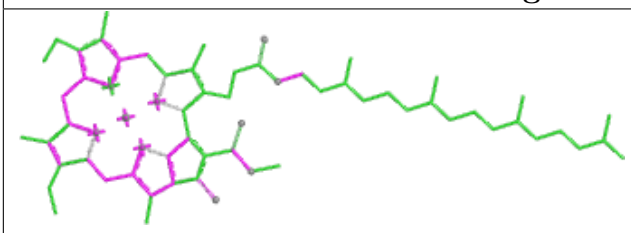


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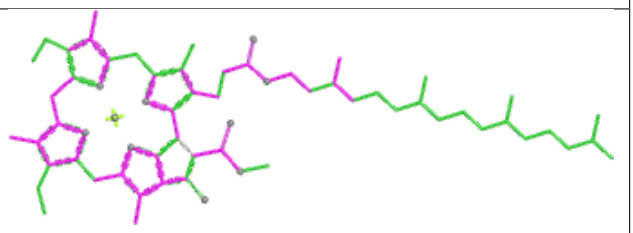


Rings

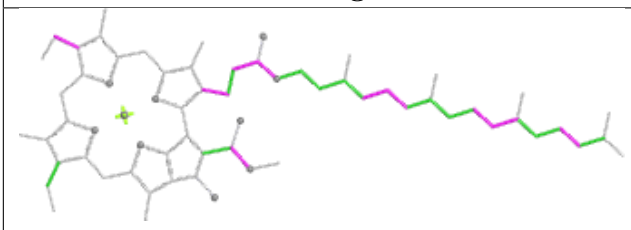
Ligand CLA G 805



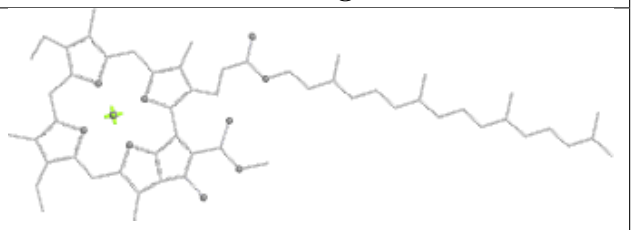
Bond lengths



Bond angles

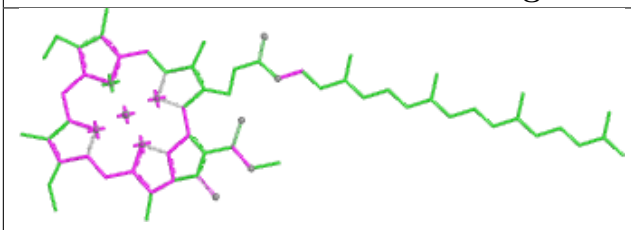


Torsions

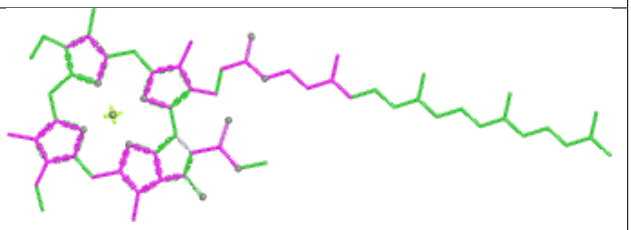


Rings

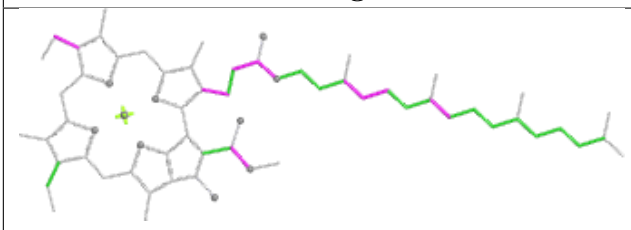
Ligand CLA G 820



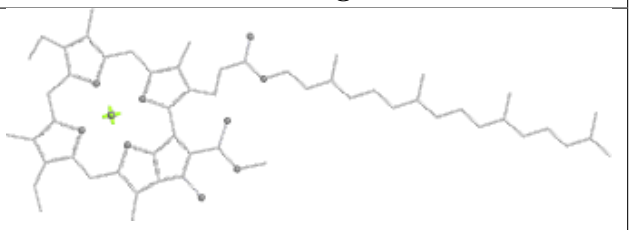
Bond lengths



Bond angles

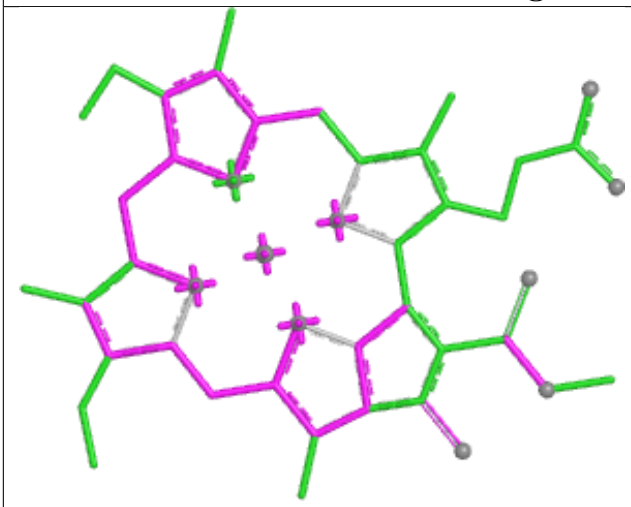


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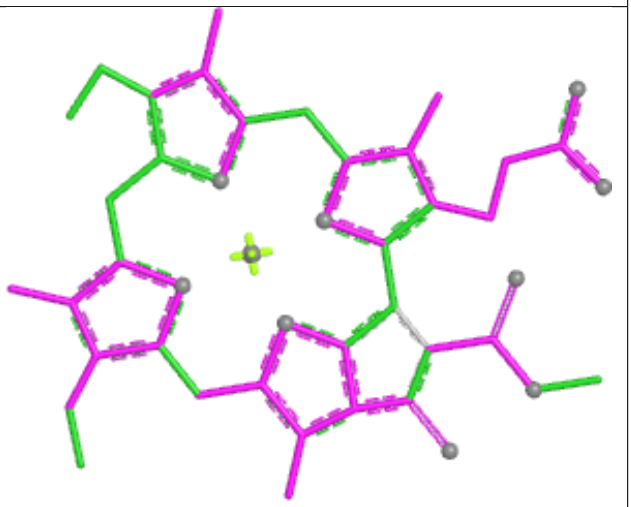


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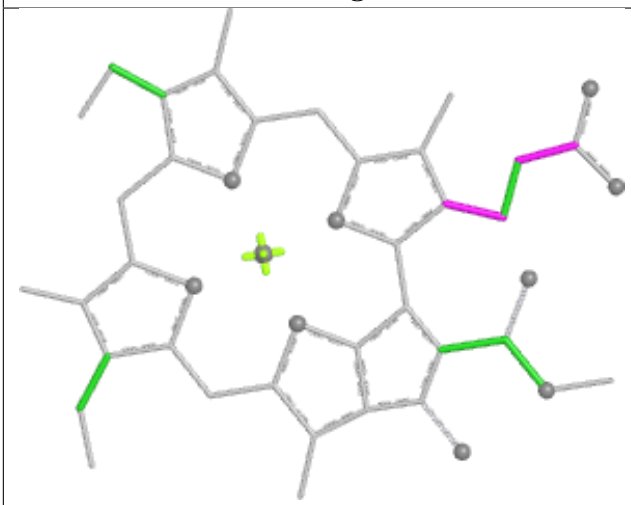
Ligand CLA b 822



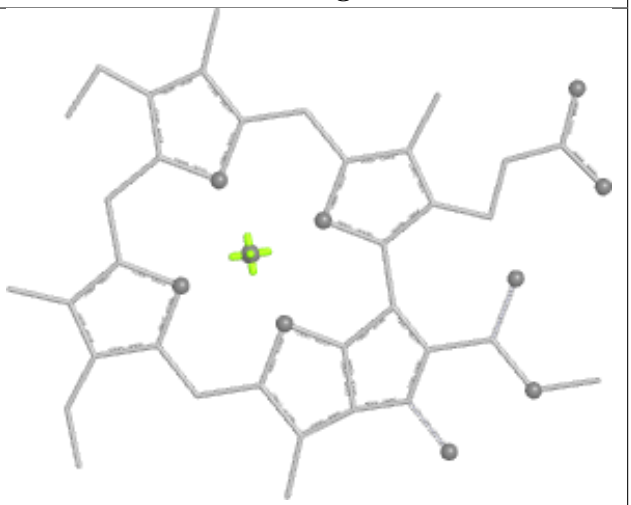
Bond lengths



Bond angles

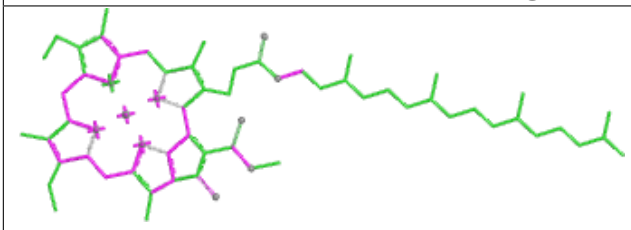


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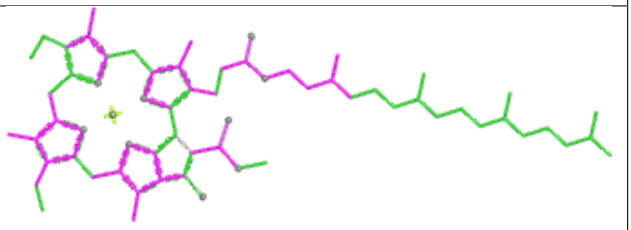


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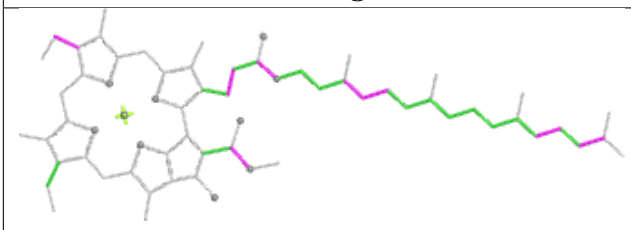
Ligand CLA A 840



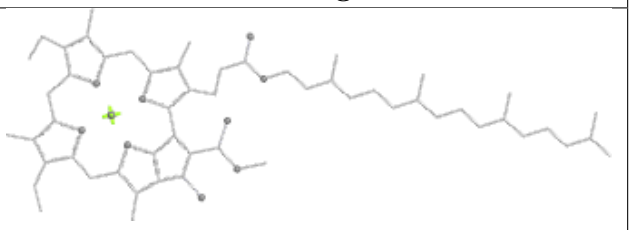
Bond lengths



Bond angles

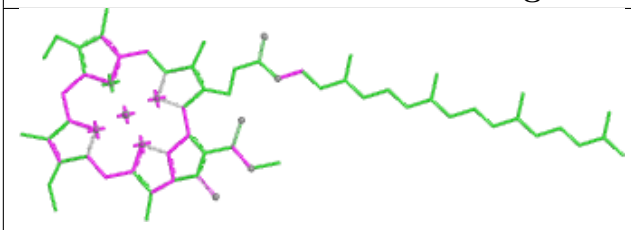


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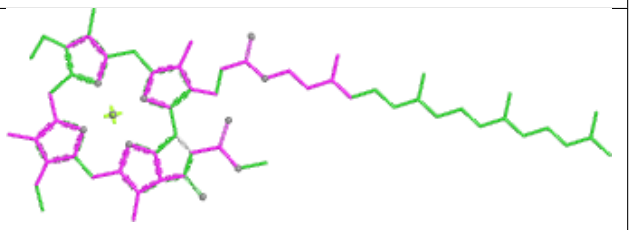


Rings

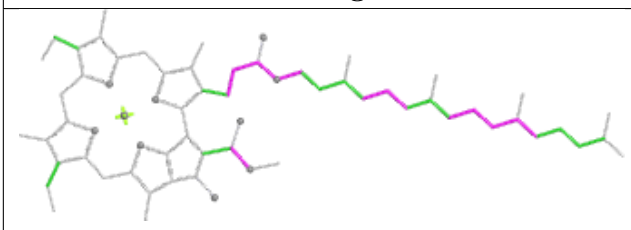
Ligand CLA A 828



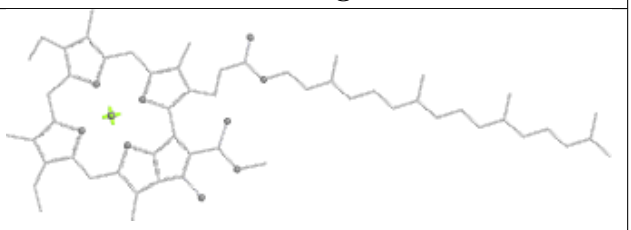
Bond lengths



Bond angles

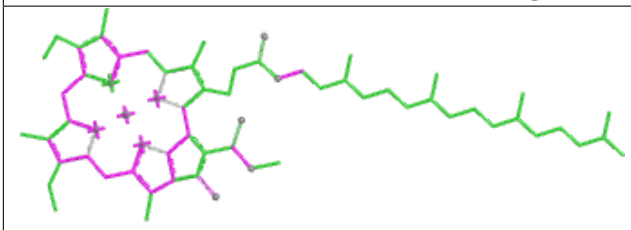


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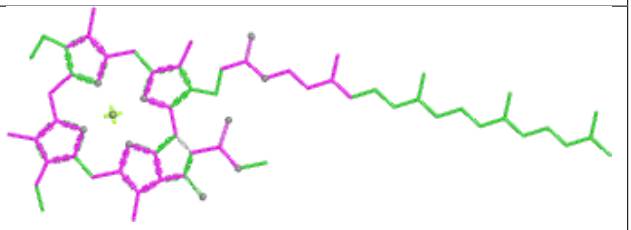


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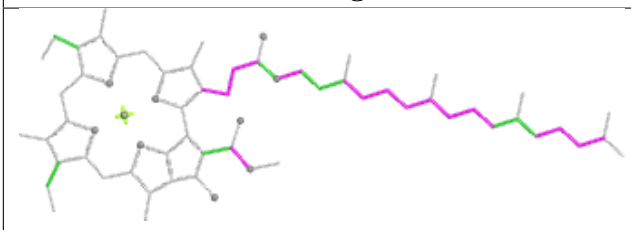
Ligand CLA F 201



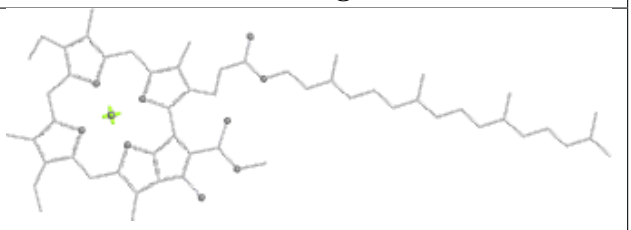
Bond lengths



Bond angles

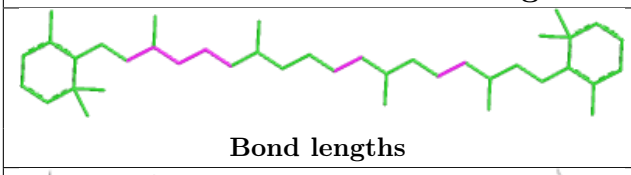


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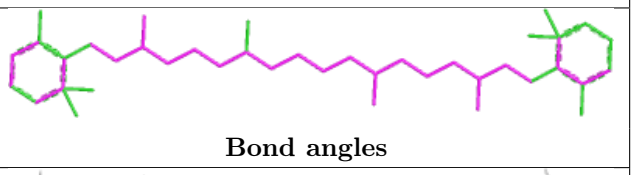


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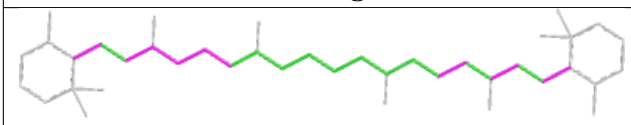
Ligand BCR H 844



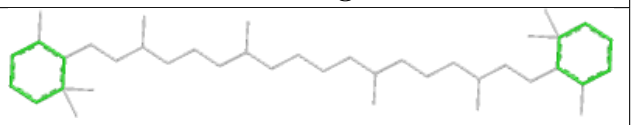
Bond lengths



Bond angles

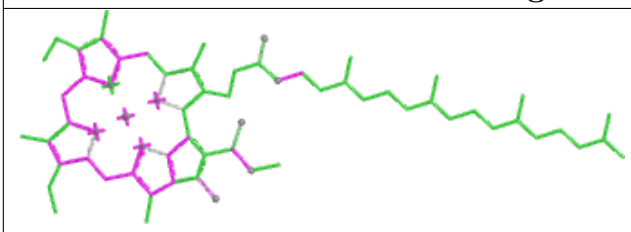


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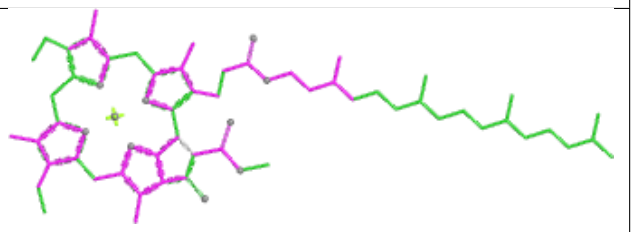


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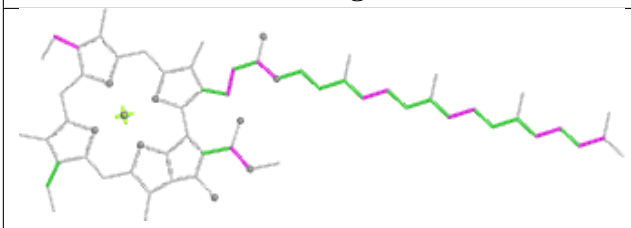
Ligand CLA b 839



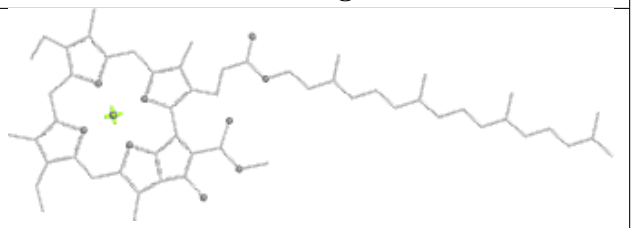
Bond lengths



Bond angles

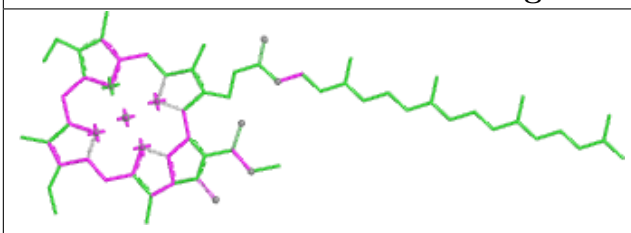


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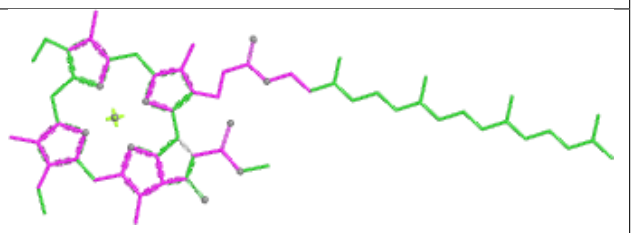


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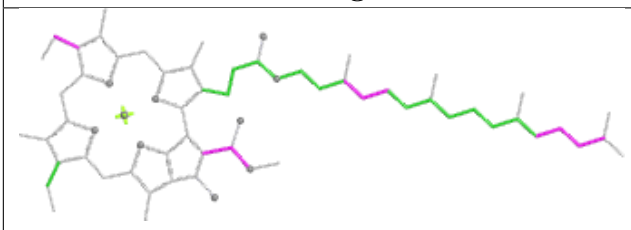
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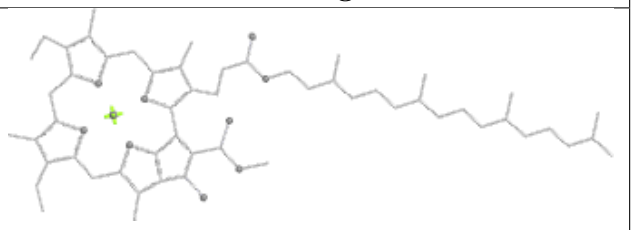
Bond lengths



Bond angles

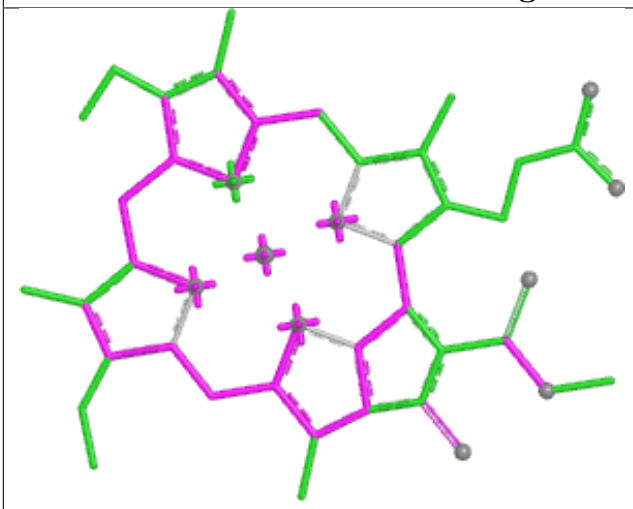


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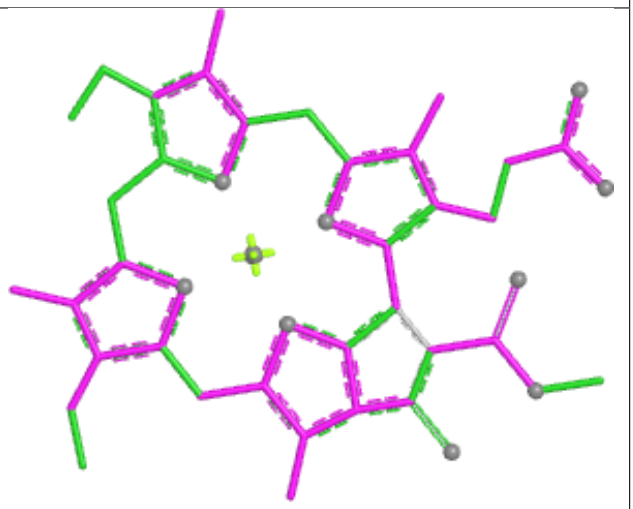


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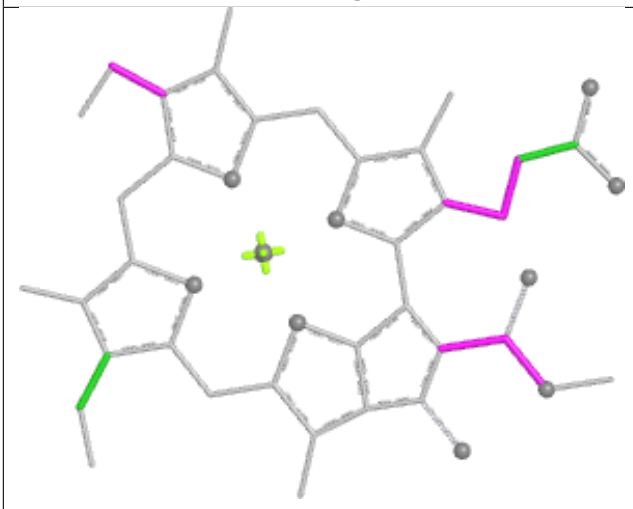
Ligand CLA x 1701



Bond lengths



Bond angles

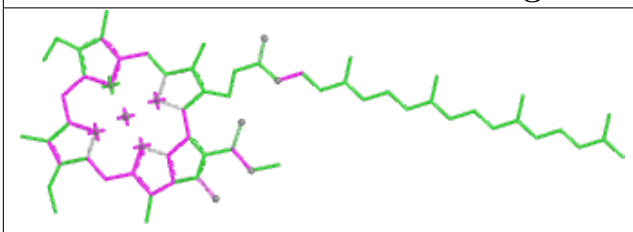


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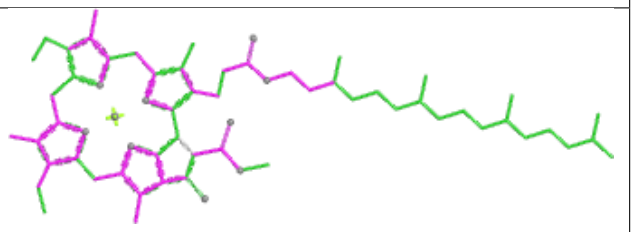


Rings

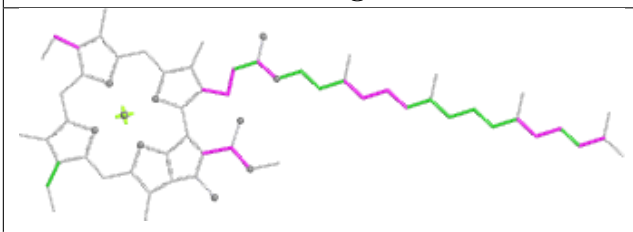
Ligand CLA A 832



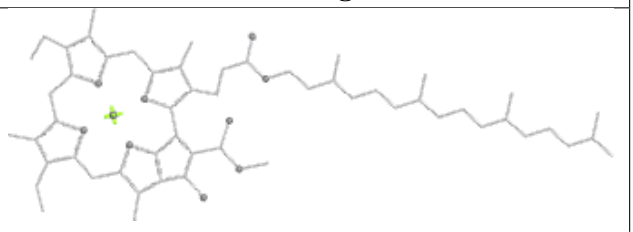
Bond lengths



Bond angles

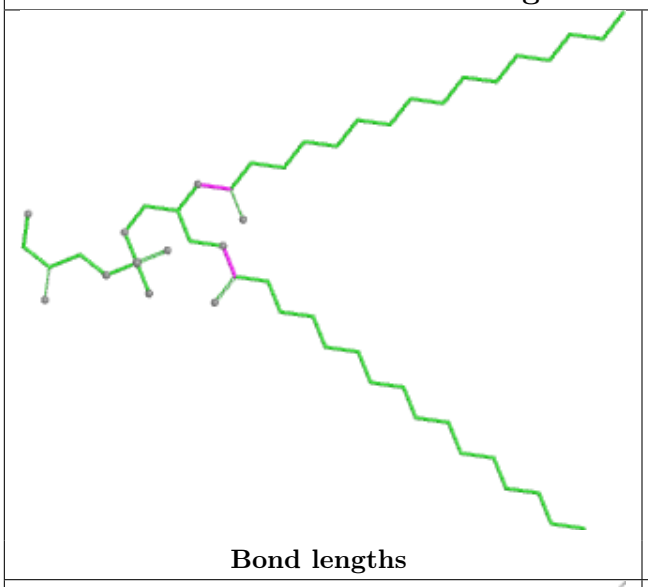


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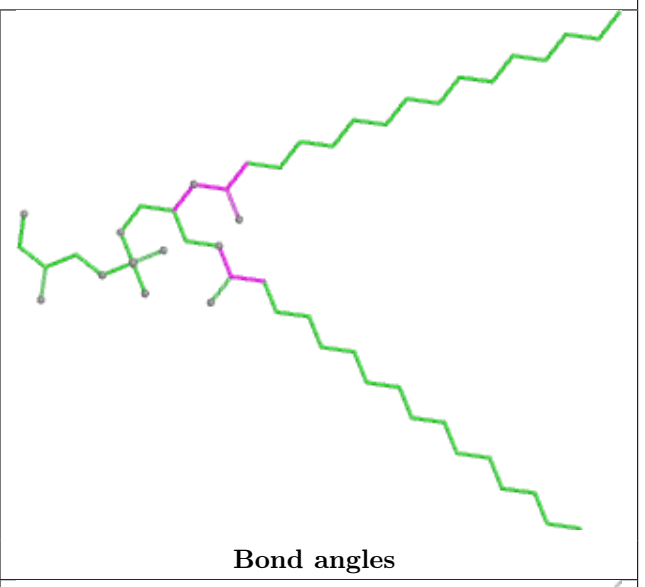


Rings

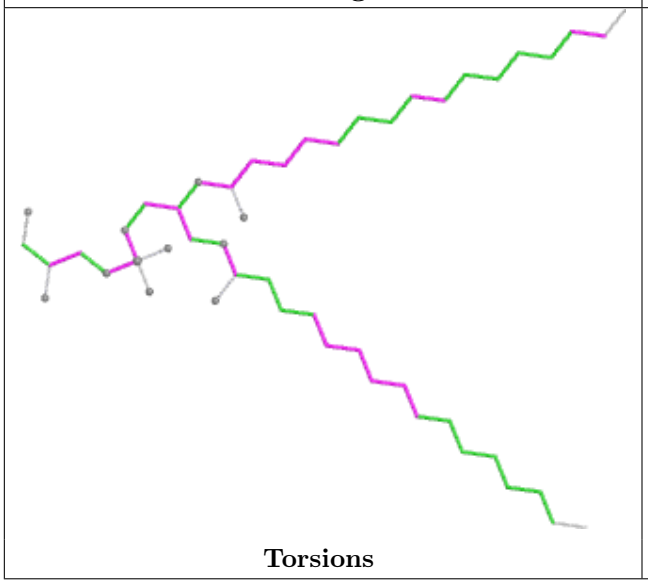
Ligand LHG G 849



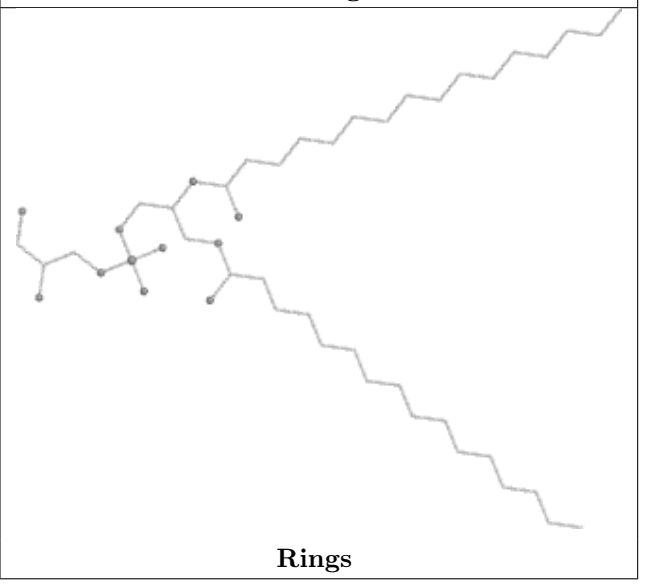
Bond lengths



Bond angles

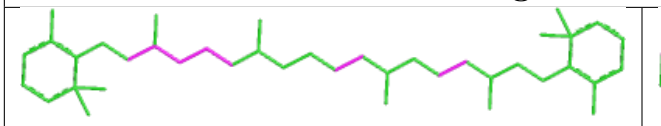


Torsions



Rings

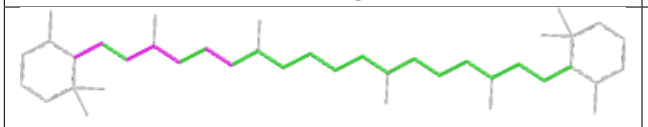
Ligand BCR m 1203



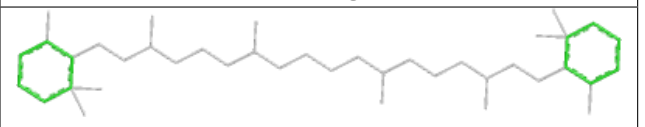
Bond lengths



Bond angles

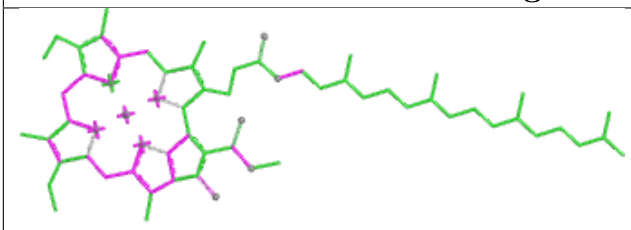


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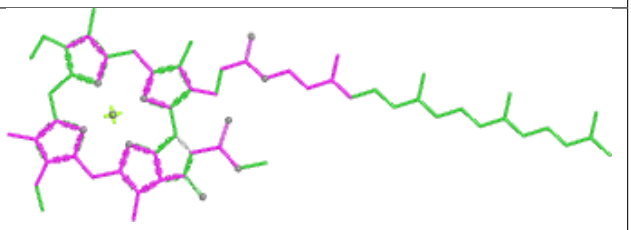


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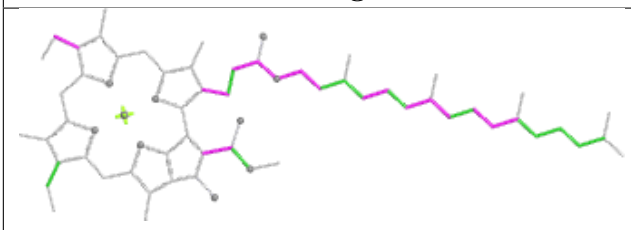
Ligand CLA A 804



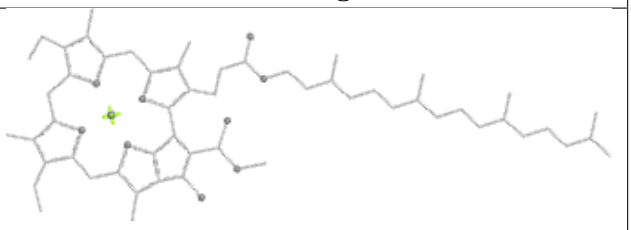
Bond lengths



Bond angles

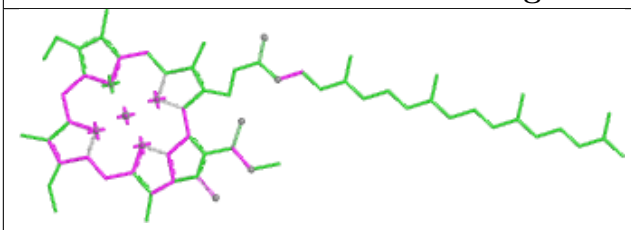


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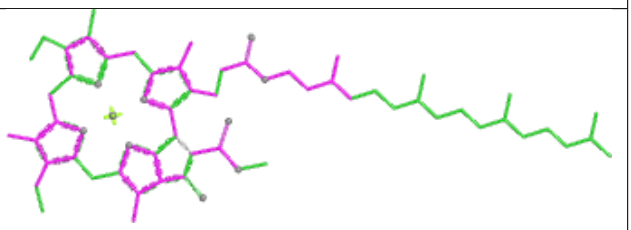


Rings

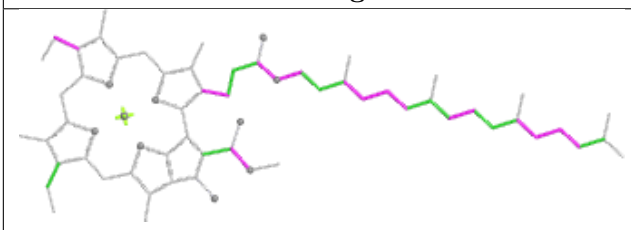
Ligand CLA A 824



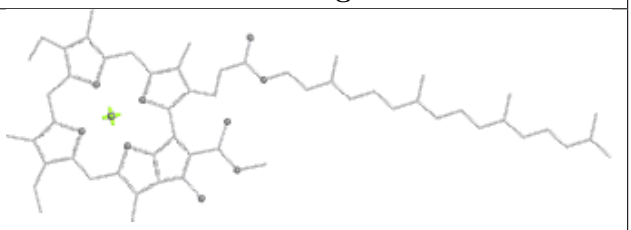
Bond lengths



Bond angles

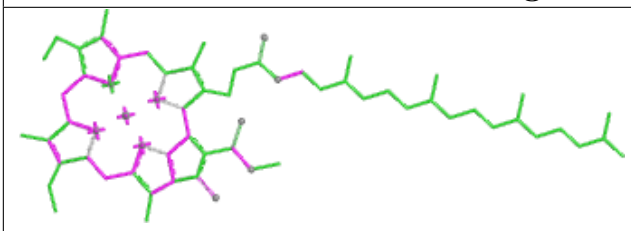


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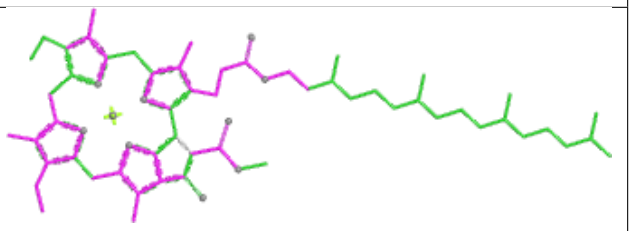


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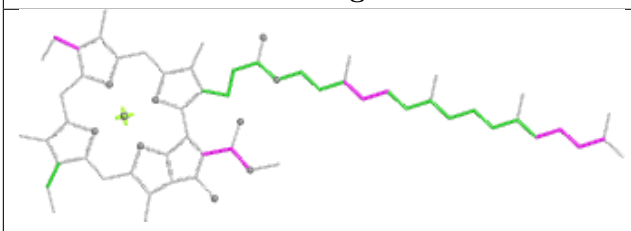
Ligand CLA H 811



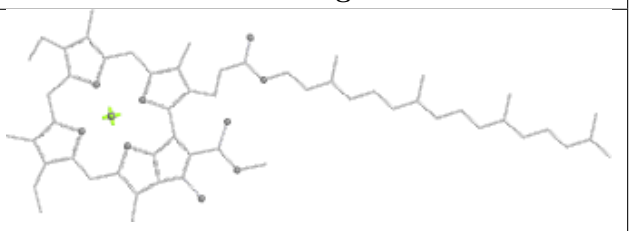
Bond lengths



Bond angles

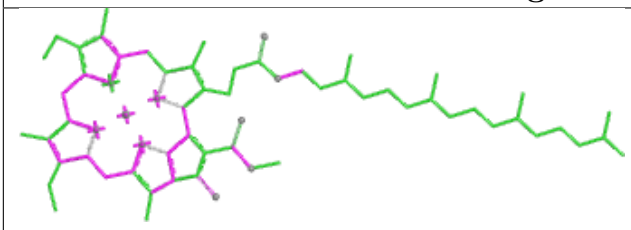


Torsions

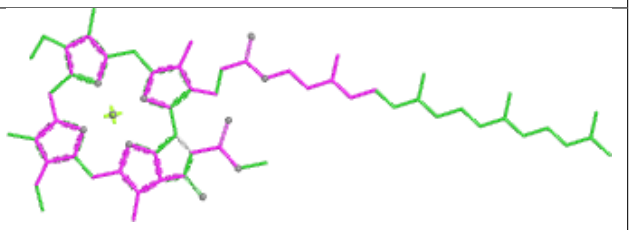


Rings

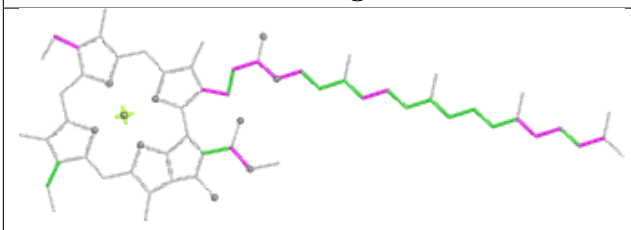
Ligand CLA b 809



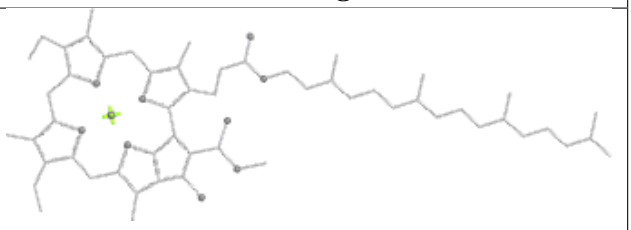
Bond lengths



Bond angles

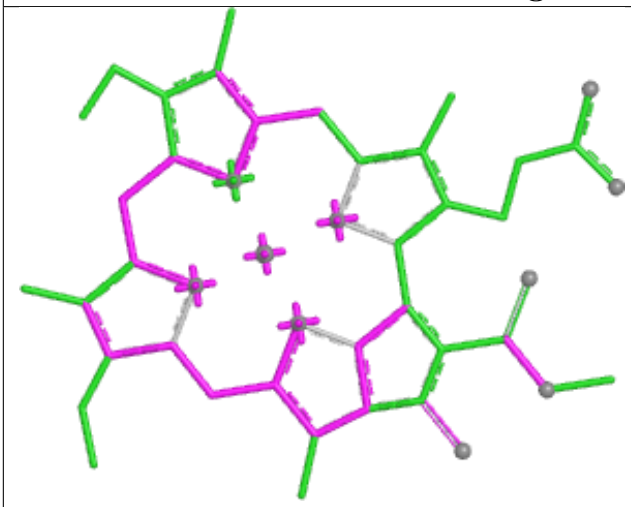


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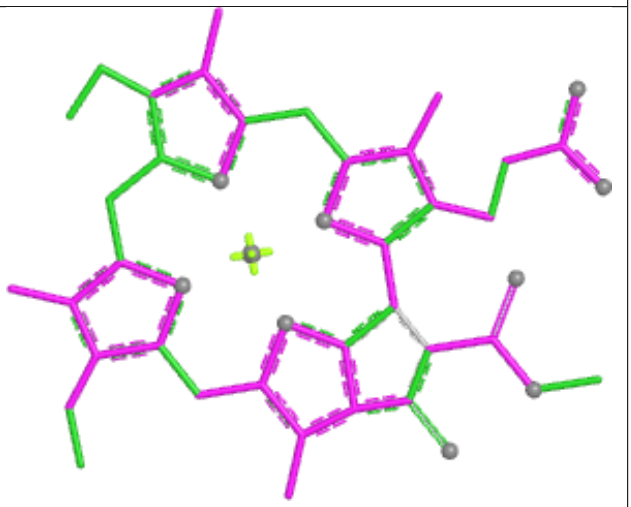


Rings

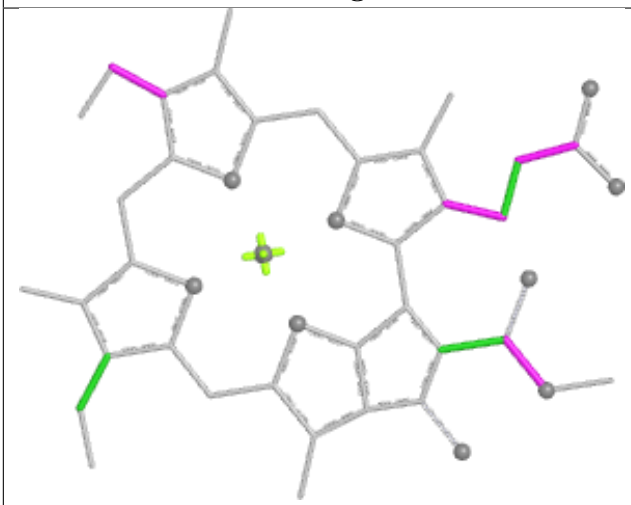
Ligand CLA b 838



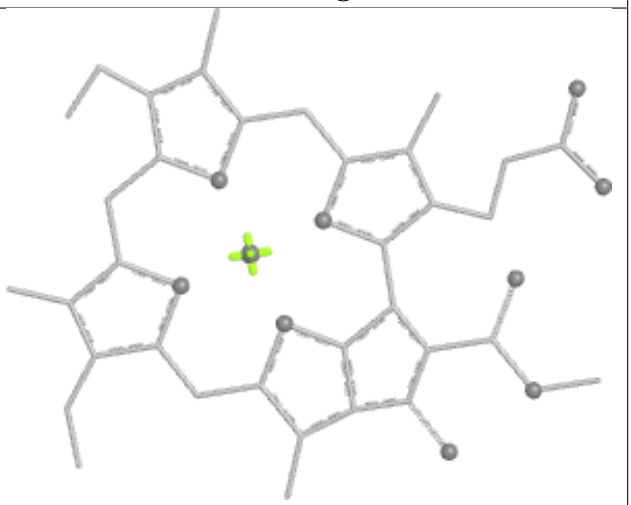
Bond lengths



Bond angles

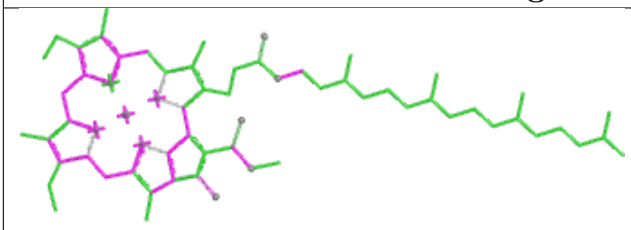


Torsions

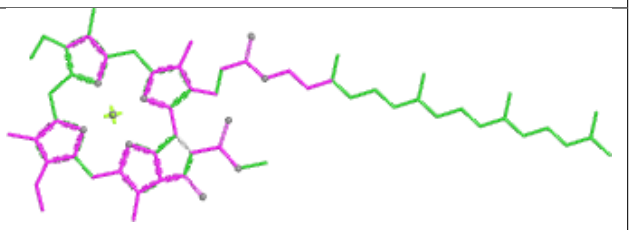


Rings

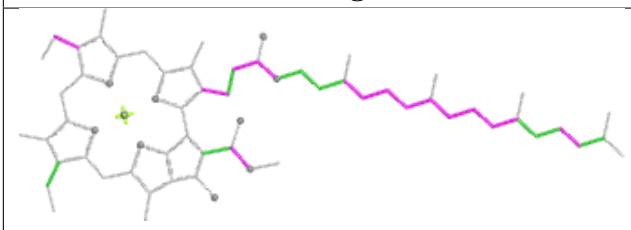
Ligand CLA b 812



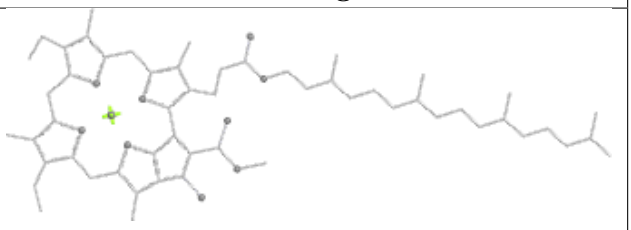
Bond lengths



Bond angles

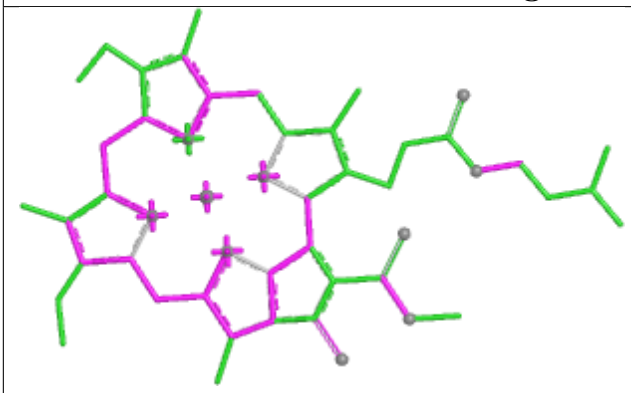


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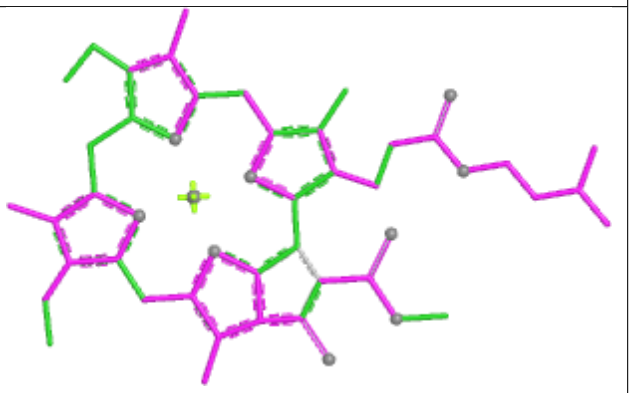


Rings

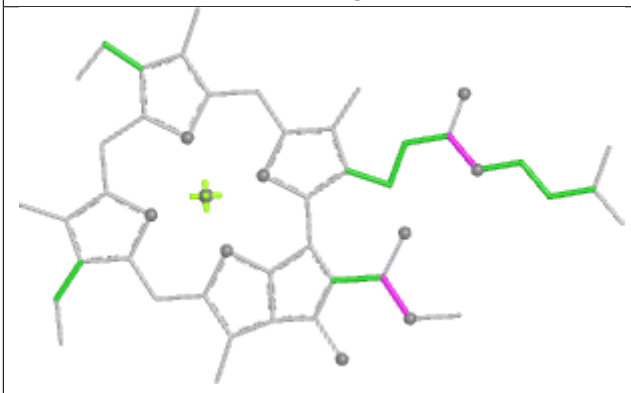
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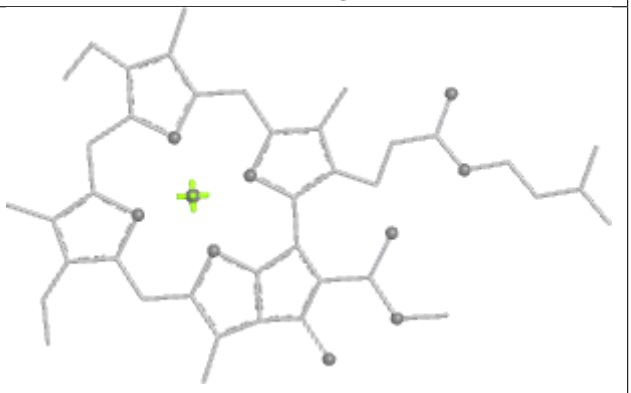
Bond lengths



Bond angles

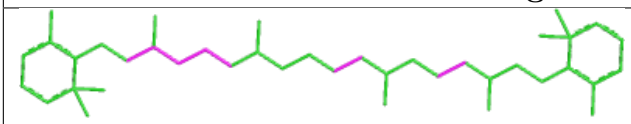


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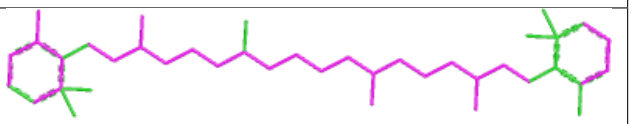


Rings

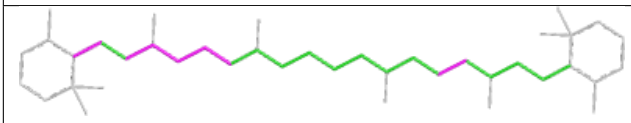
Ligand BCR a 844



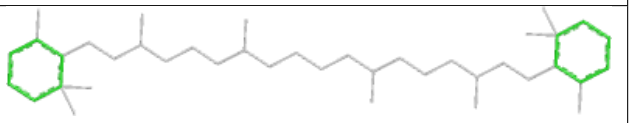
Bond lengths



Bond angles

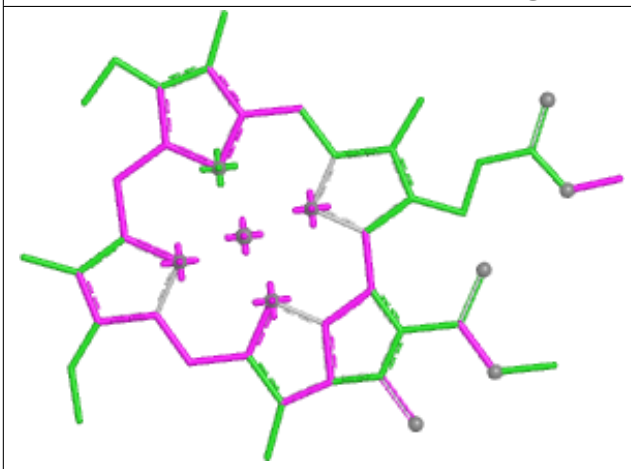


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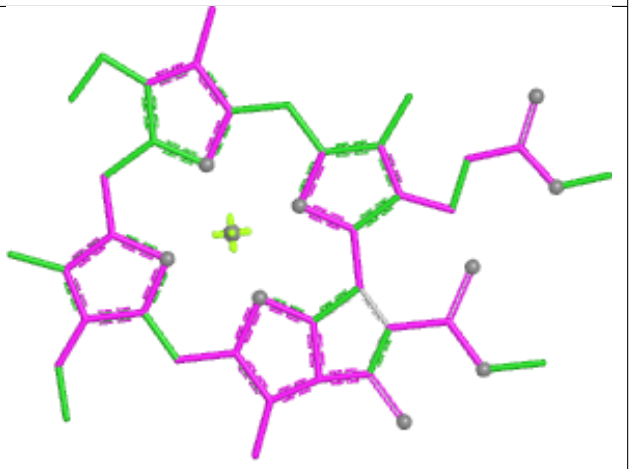


Rings

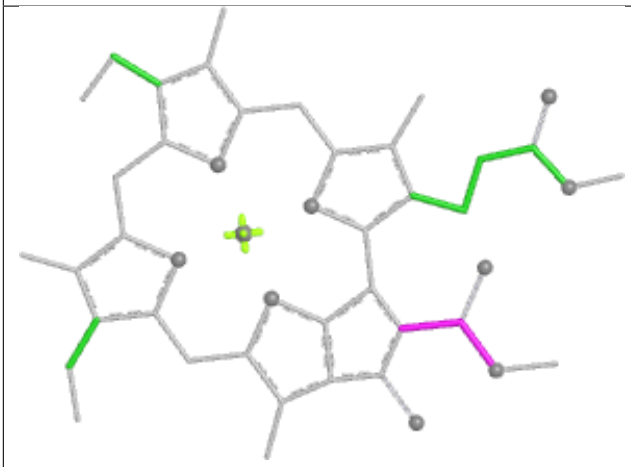
Ligand CLA B 827



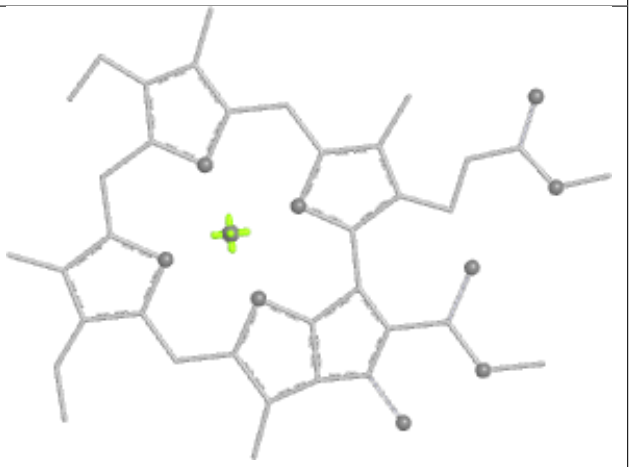
Bond lengths



Bond angles

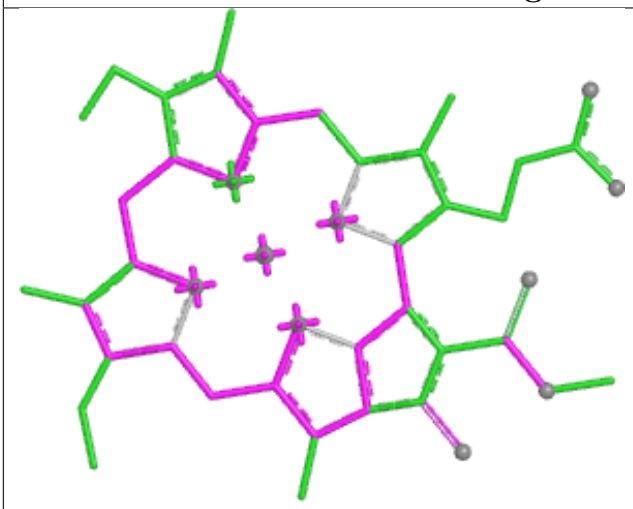


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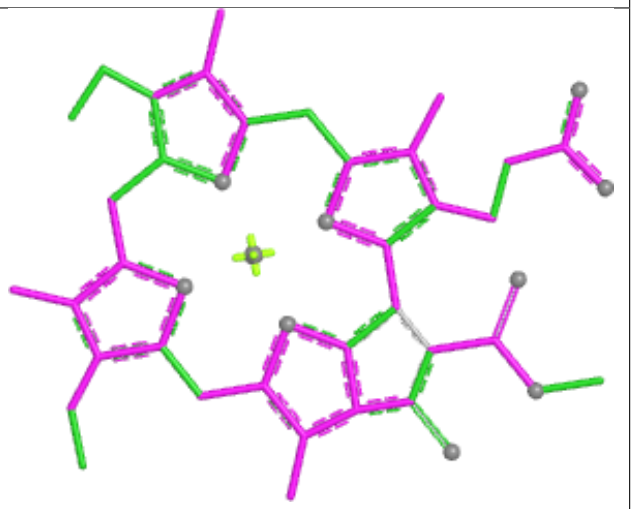


Rings

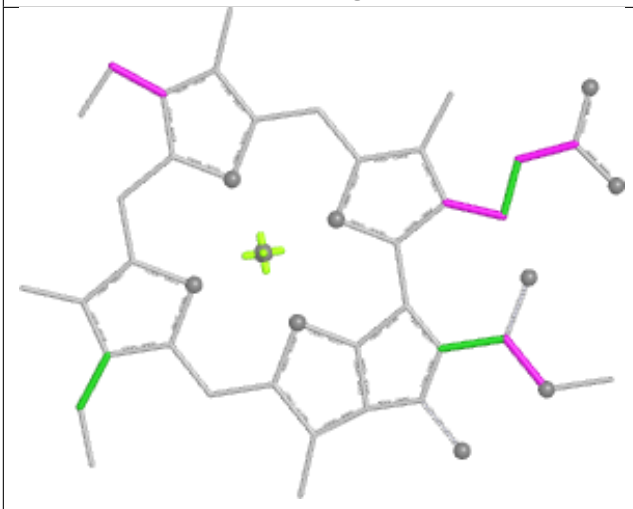
Ligand CLA T 102



Bond lengths



Bond angles

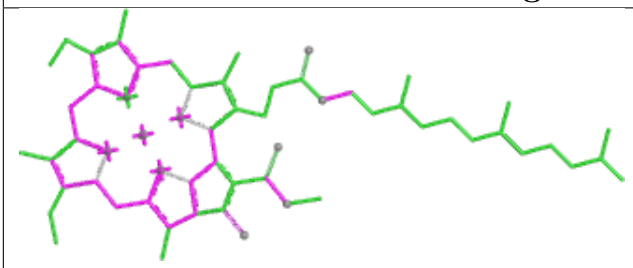


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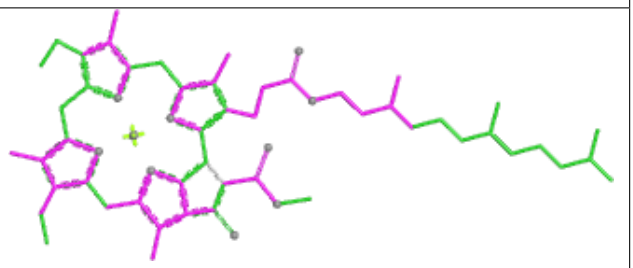


Rings

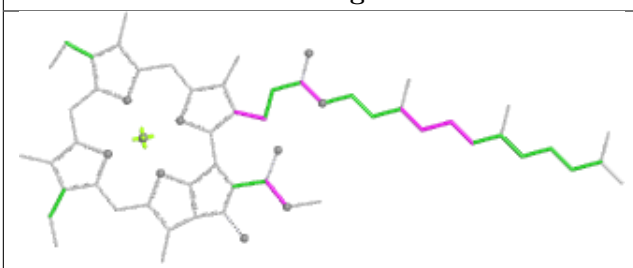
Ligand CLA H 820



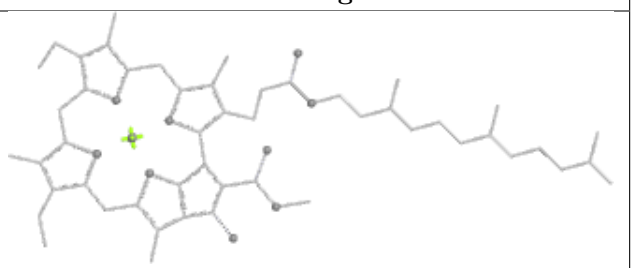
Bond lengths



Bond angles

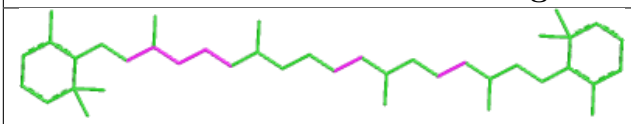


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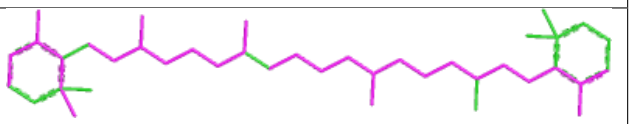


Rings

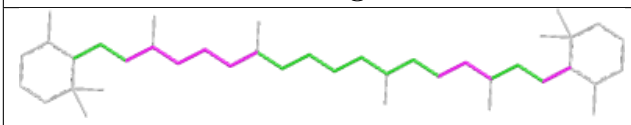
Ligand BCR l 201



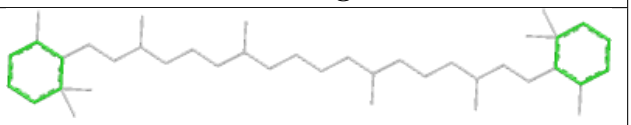
Bond lengths



Bond angles

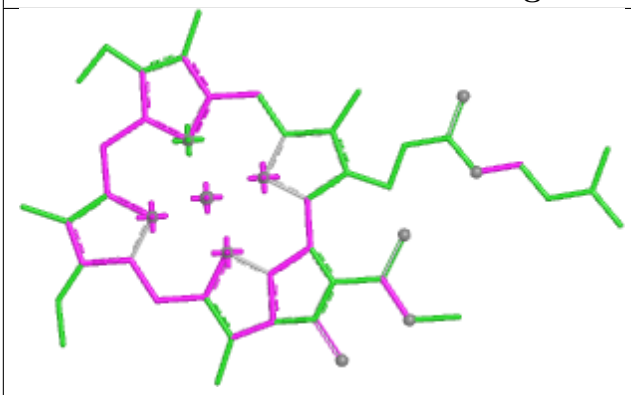


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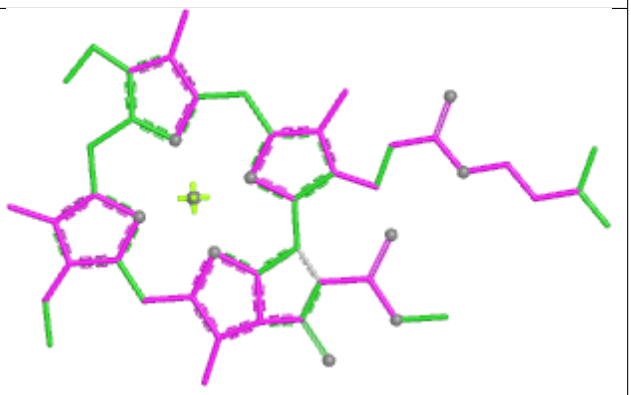


Rings

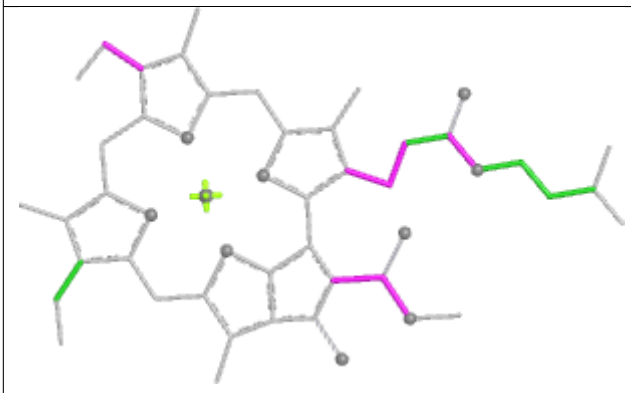
Ligand CLA A 830



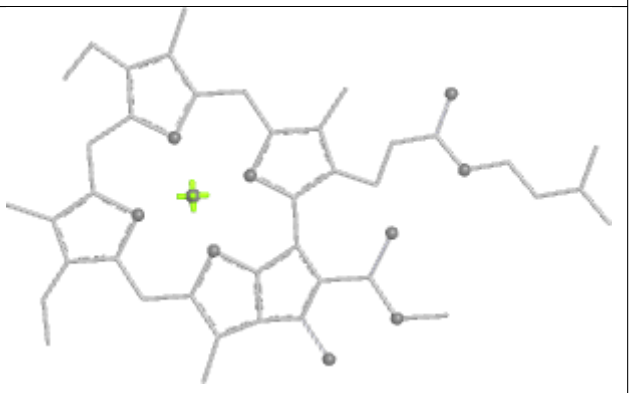
Bond lengths



Bond angles

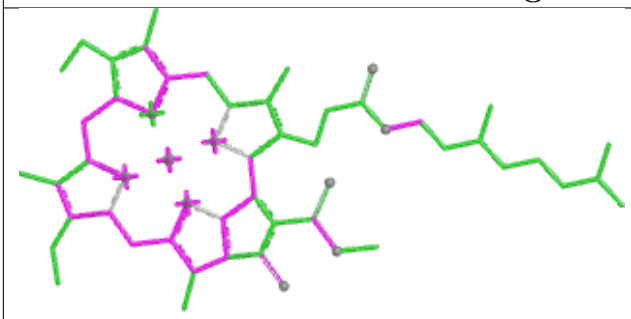


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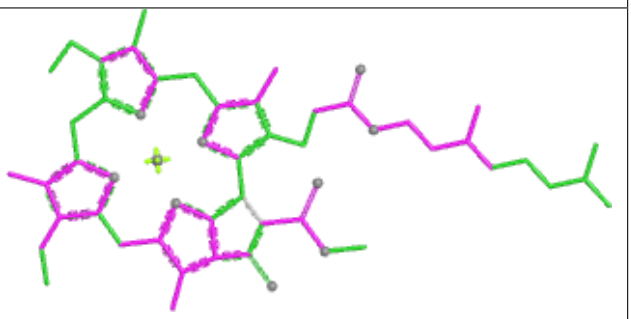


Rings

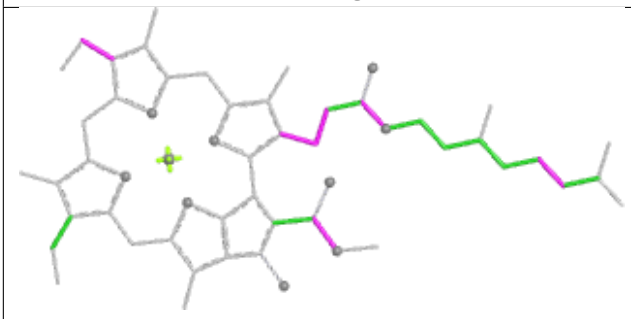
Ligand CLA B 818



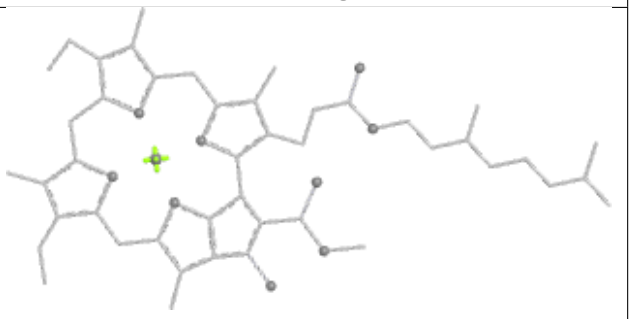
Bond lengths



Bond angles

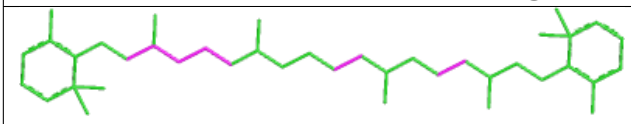


Torsions

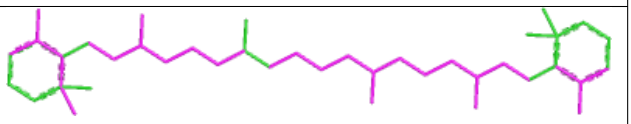


Rings

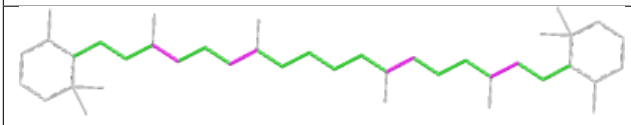
Ligand BCR b 843



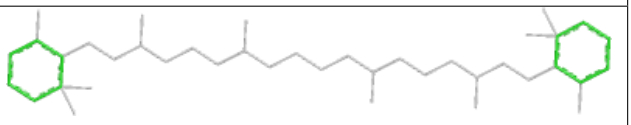
Bond lengths



Bond angles

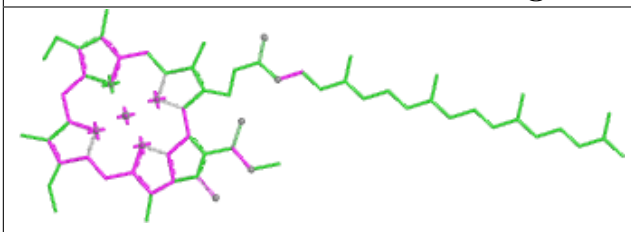


Torsions

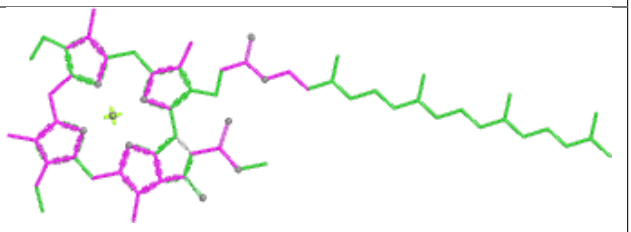


Rings

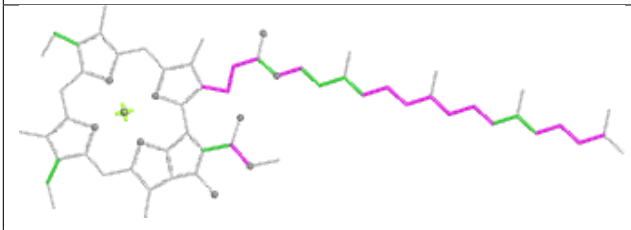
Ligand CLA b 831



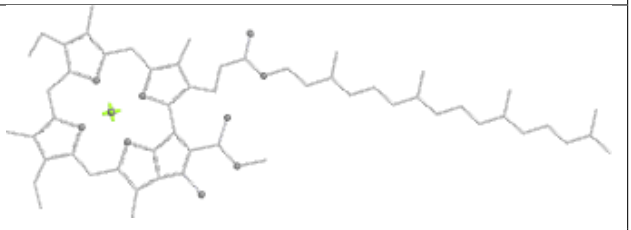
Bond lengths



Bond angles

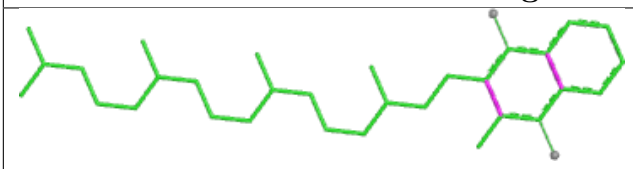


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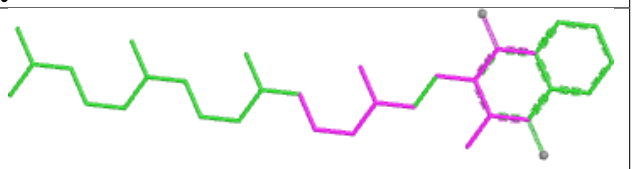


Rings

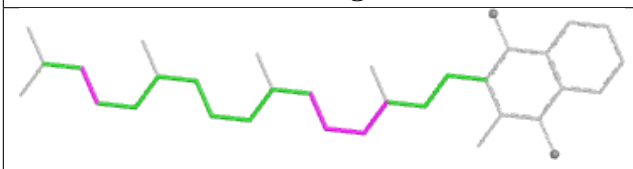
Ligand PQN A 843



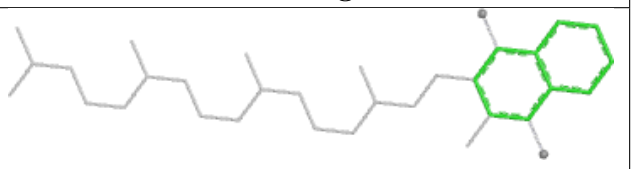
Bond lengths



Bond angles

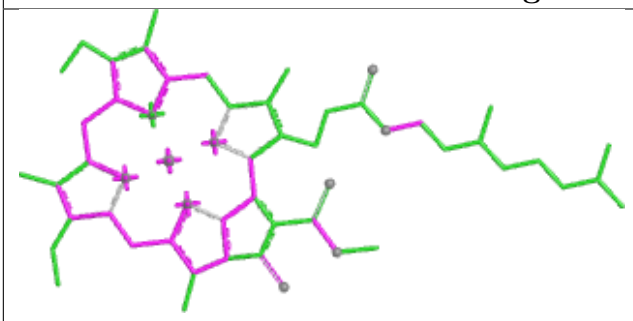


Torsions

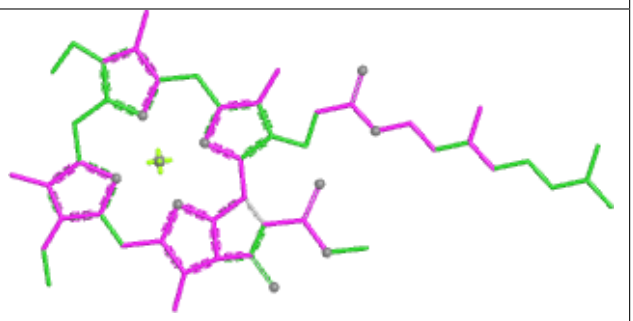


Rings

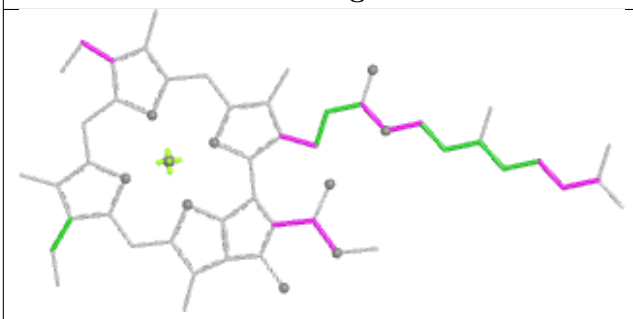
Ligand CLA G 819



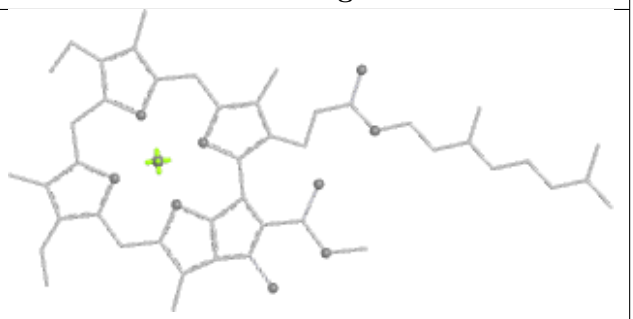
Bond lengths



Bond angles

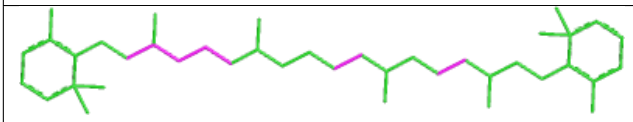


Torsions

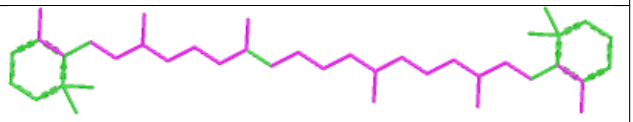


Rings

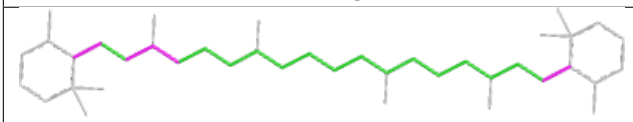
Ligand BCR A 848



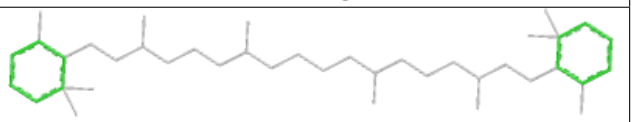
Bond lengths



Bond angles

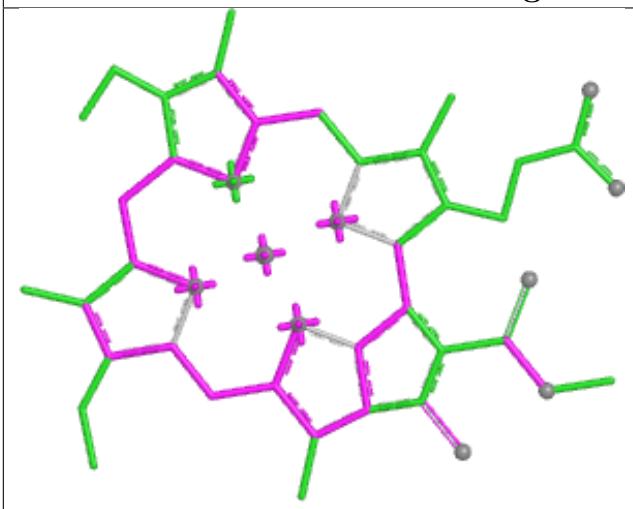


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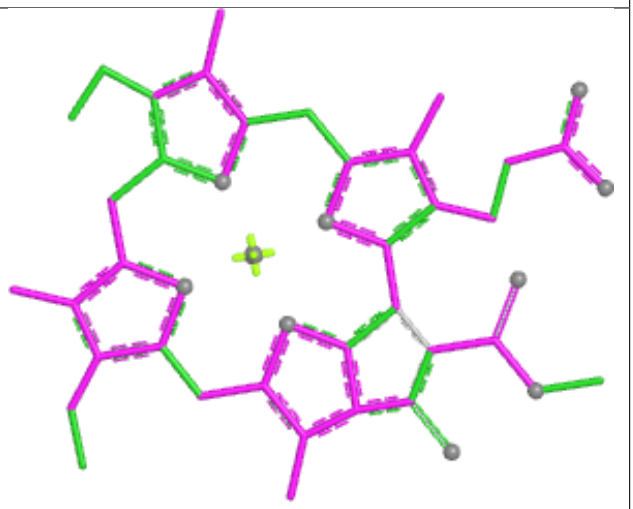


Rings

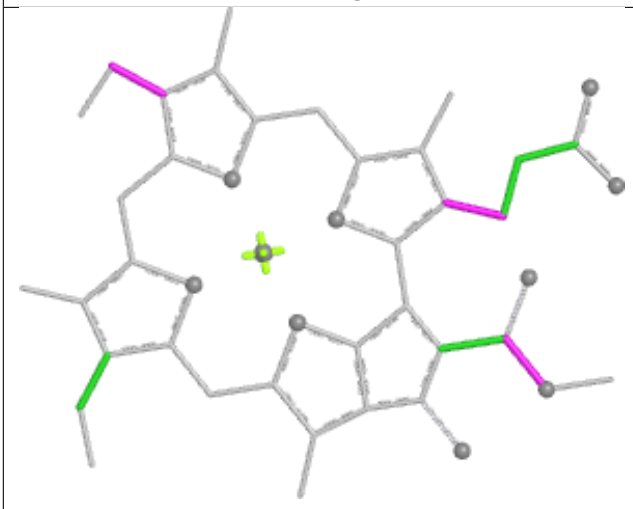
Ligand CLA H 836



Bond lengths



Bond angles

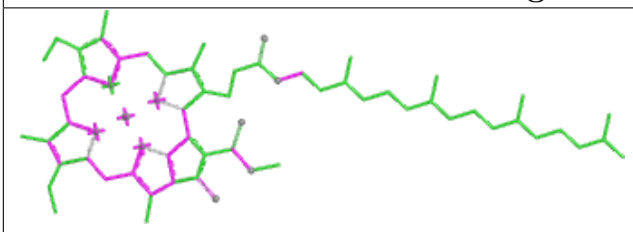


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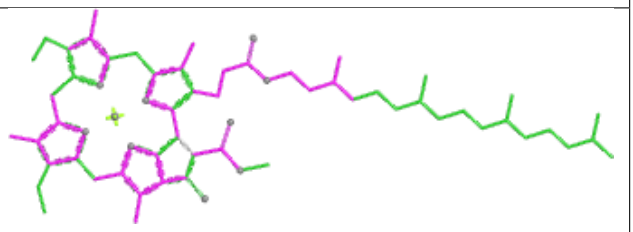


Rings

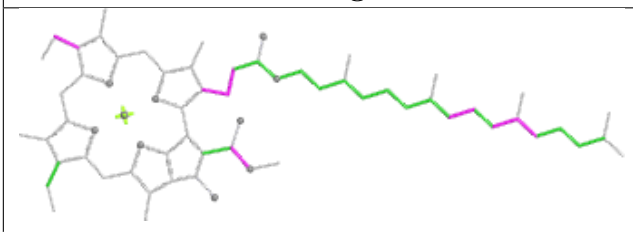
Ligand CLA b 840



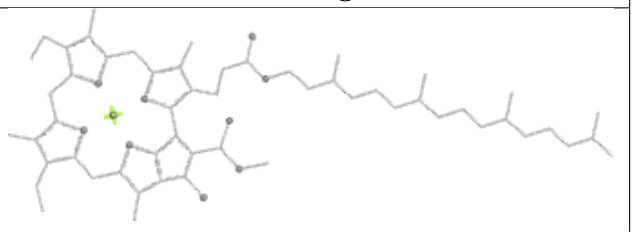
Bond lengths



Bond angles

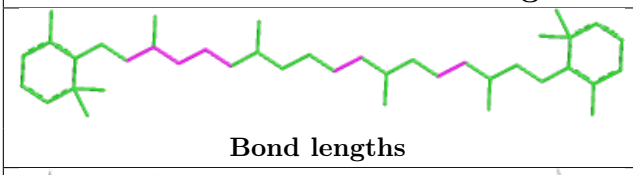


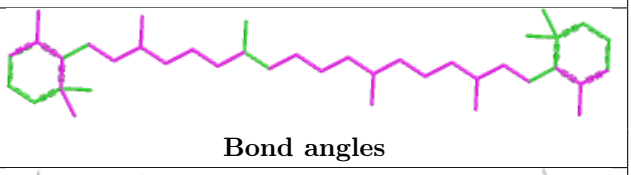
Torsions

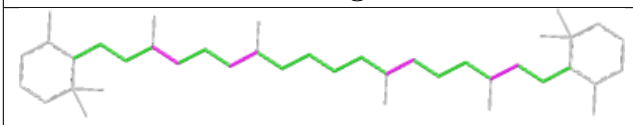


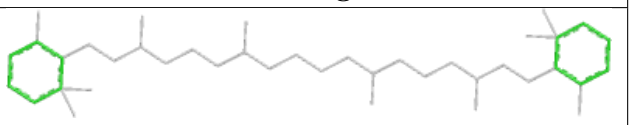
Rings

Ligand BCR H 845

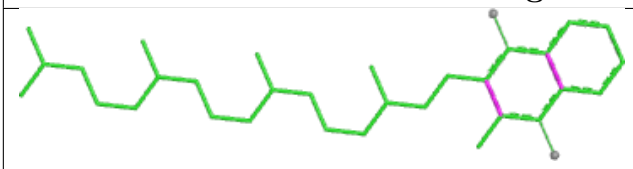

Bond lengths

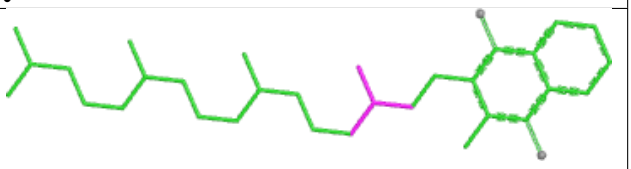

Bond angles

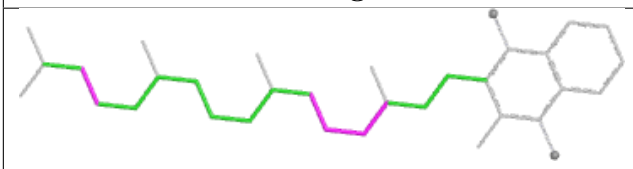

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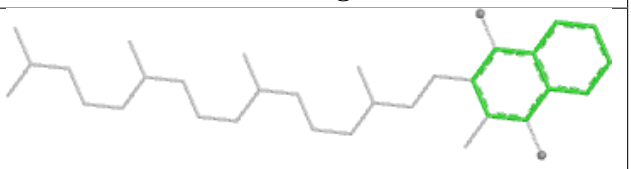

Rings

Ligand PQN a 843

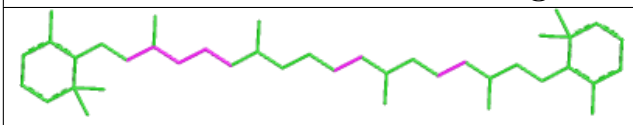

Bond lengths

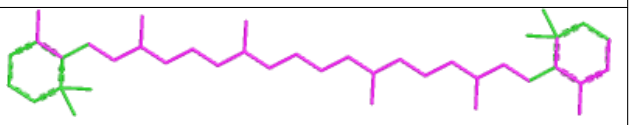

Bond angles

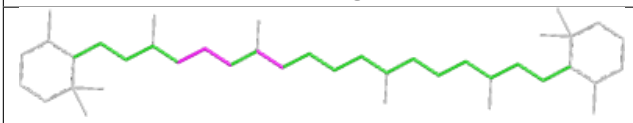

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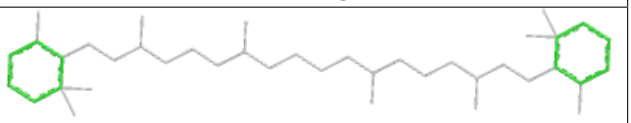

Rings

Ligand BCR f 201

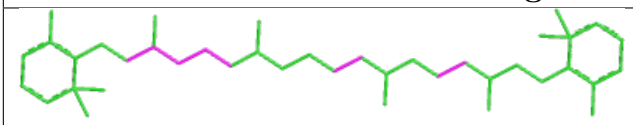

Bond lengths

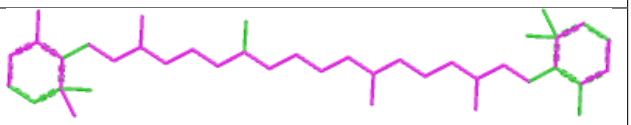

Bond angles

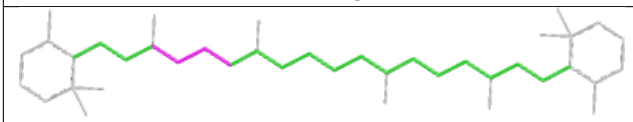

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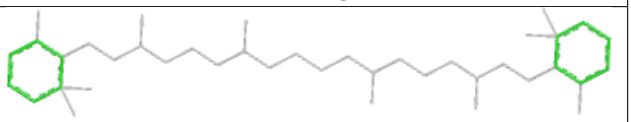

Rings

Ligand BCR L 209

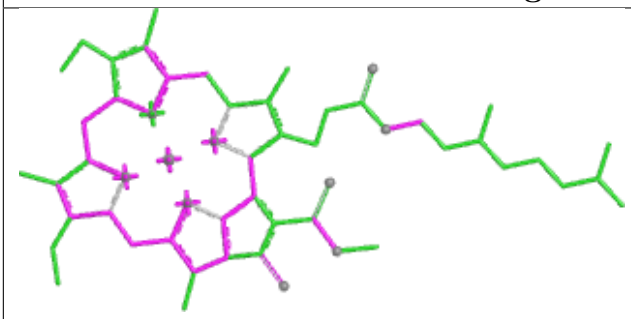

Bond lengths


Bond angles

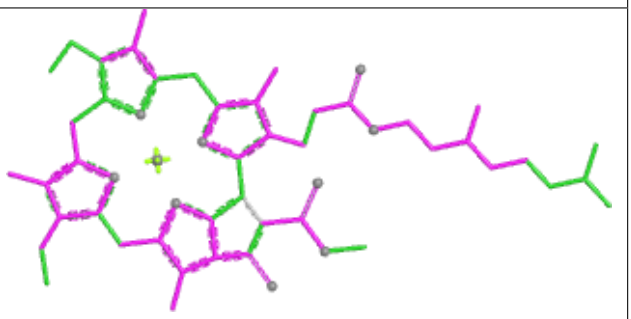

Torsions


Rings

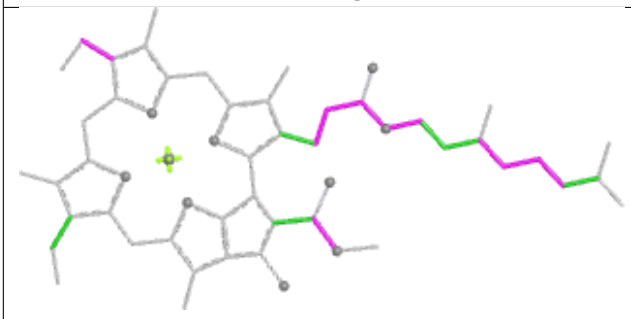
Ligand CLA B 819



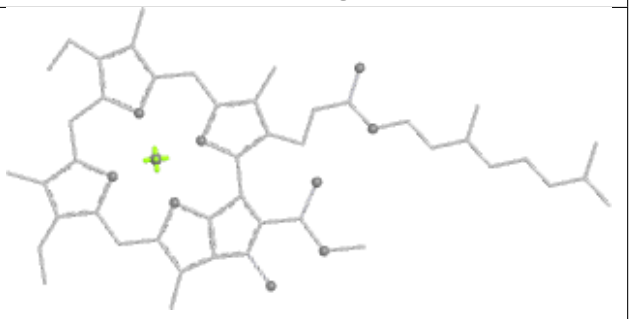
Bond lengths



Bond angles

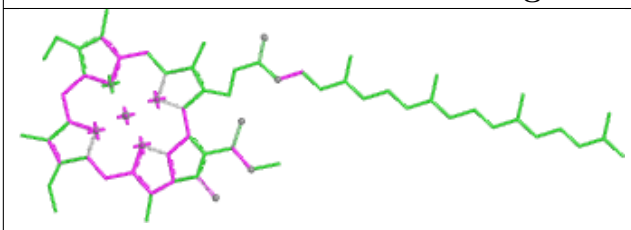


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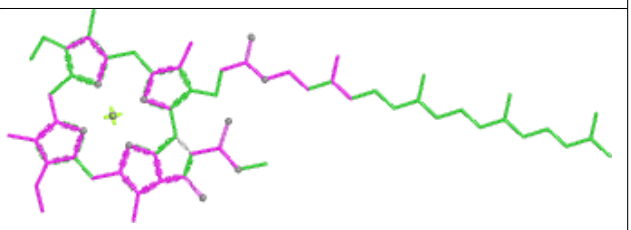


Rings

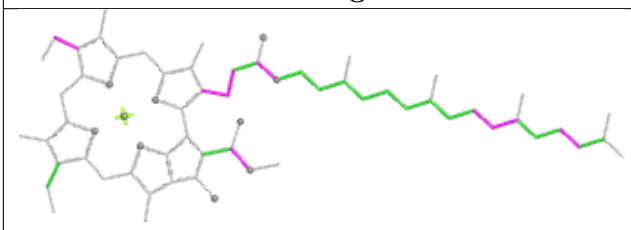
Ligand CLA A 810



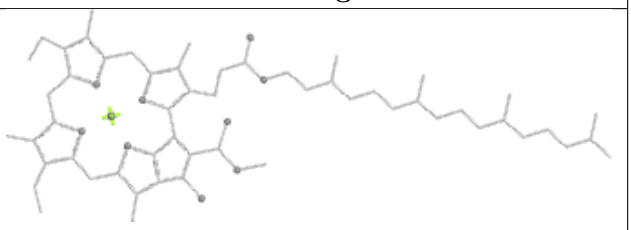
Bond lengths



Bond angles

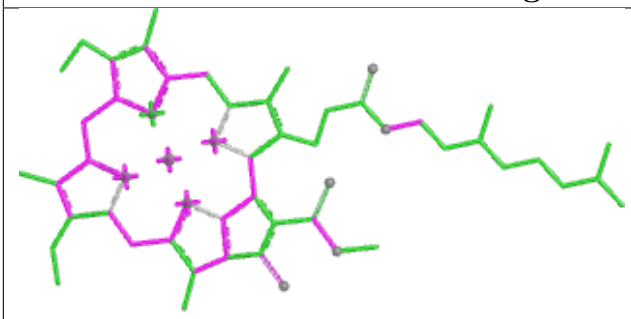


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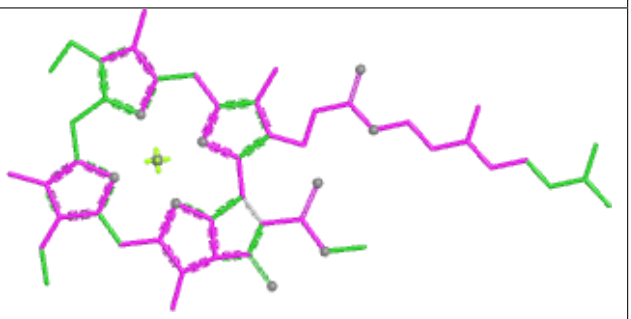


Rings

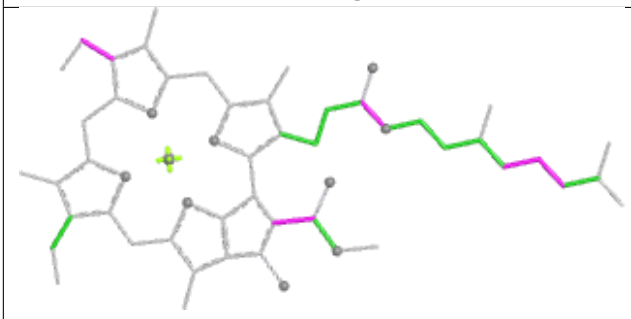
Ligand CLA G 803



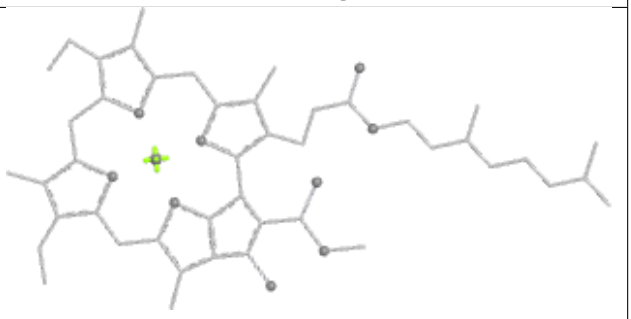
Bond lengths



Bond angles

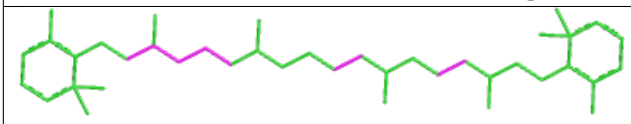


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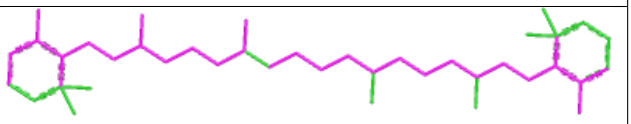


Rings

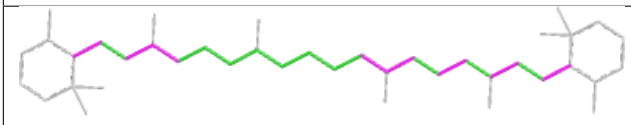
Ligand BCR A 849



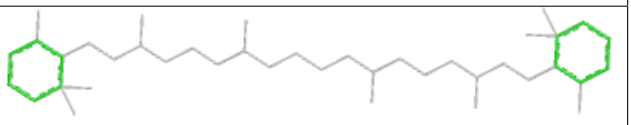
Bond lengths



Bond angles

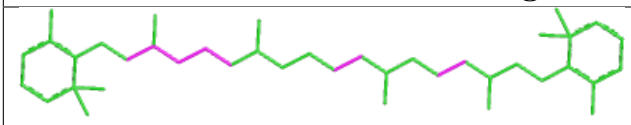


Torsions

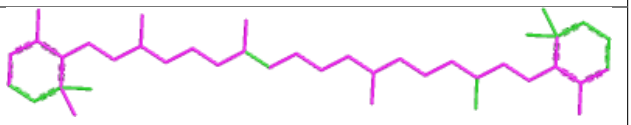


Rings

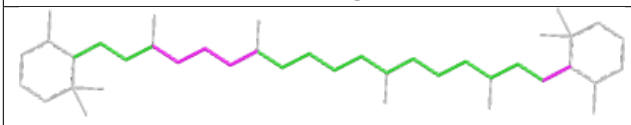
Ligand BCR G 846



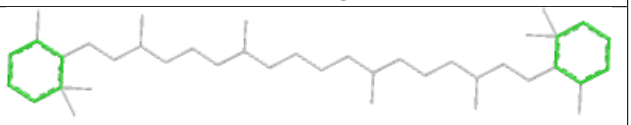
Bond lengths



Bond angles

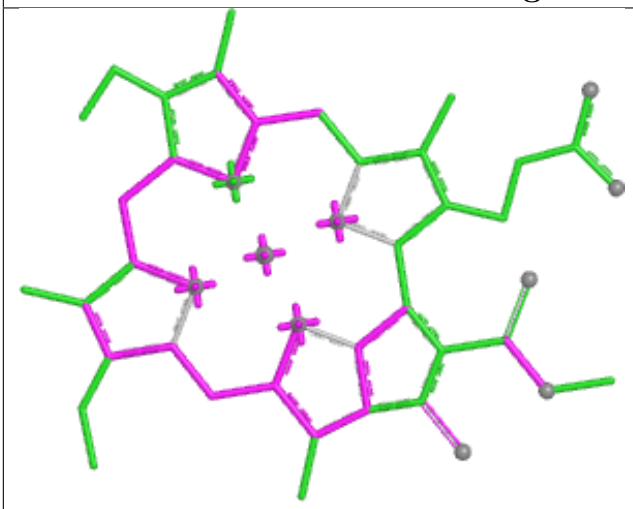


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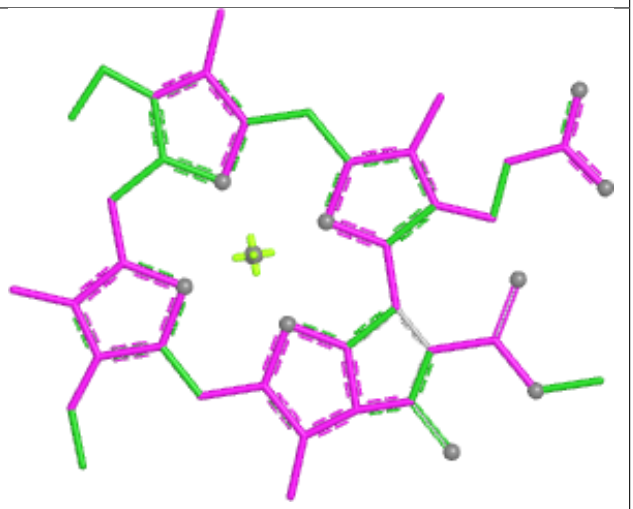


Rings

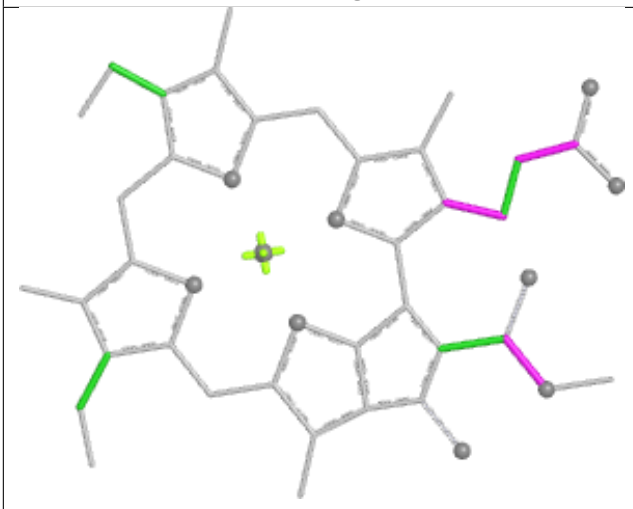
Ligand CLA H 840



Bond lengths



Bond angles

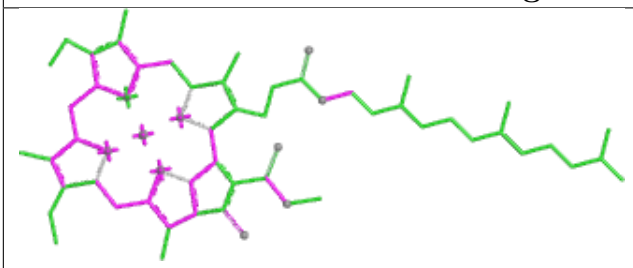


Torsions

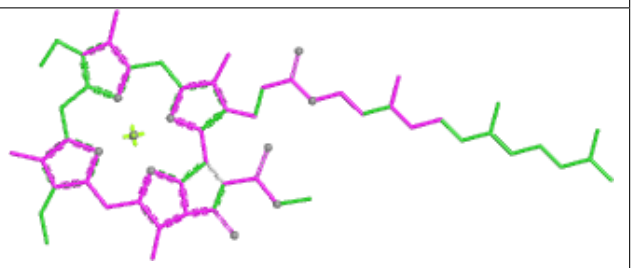


Rings

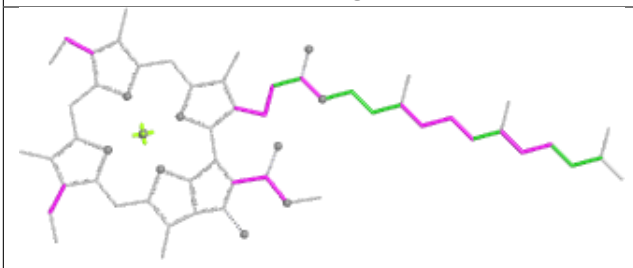
Ligand CLA G 812



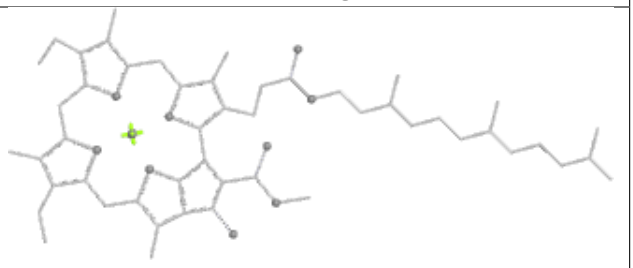
Bond lengths



Bond angles

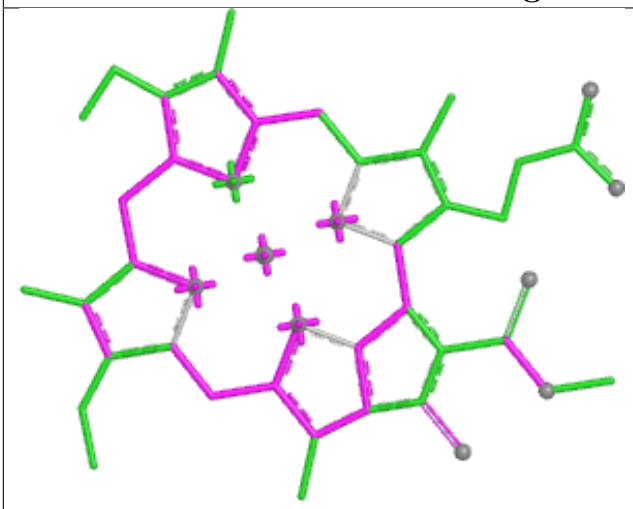


Torsions

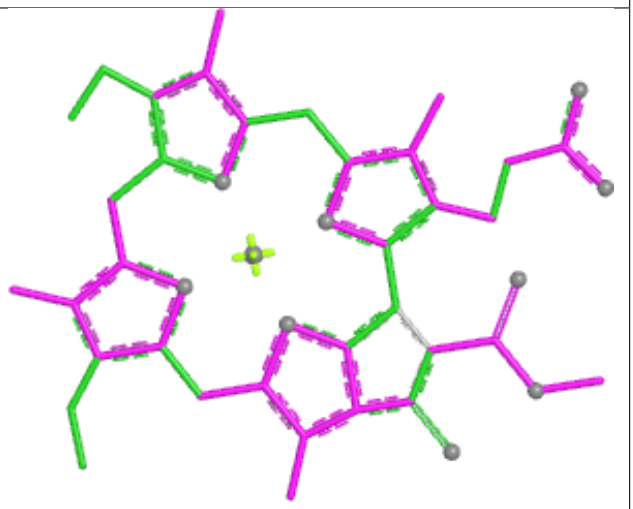


Rings

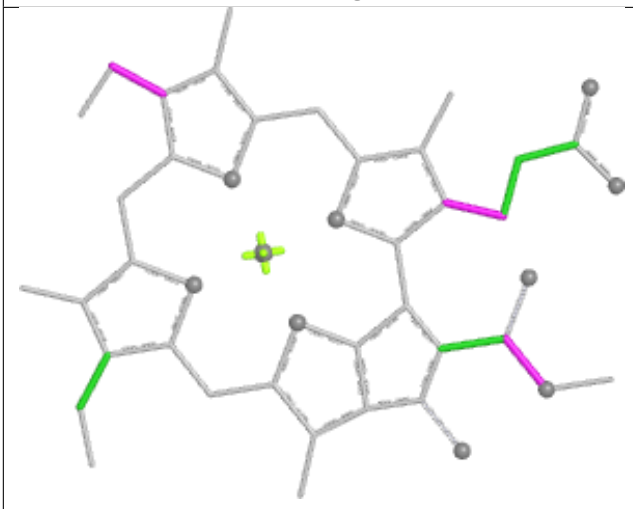
Ligand CLA H 813



Bond lengths



Bond angles

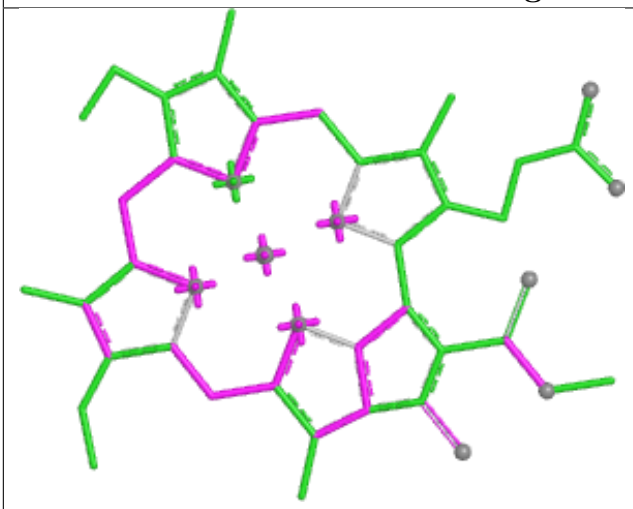


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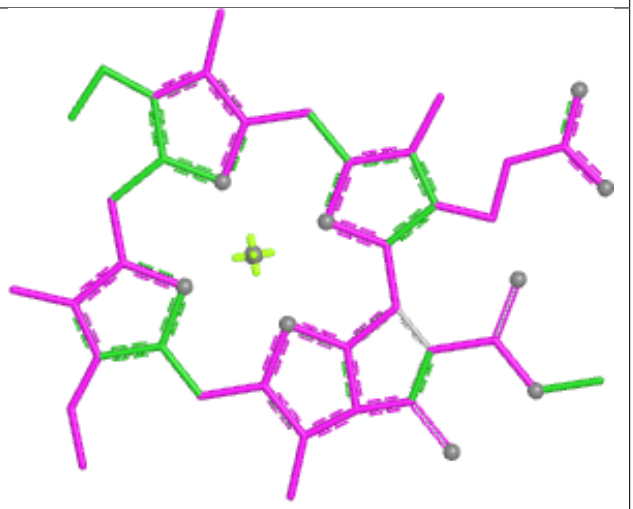


Rings

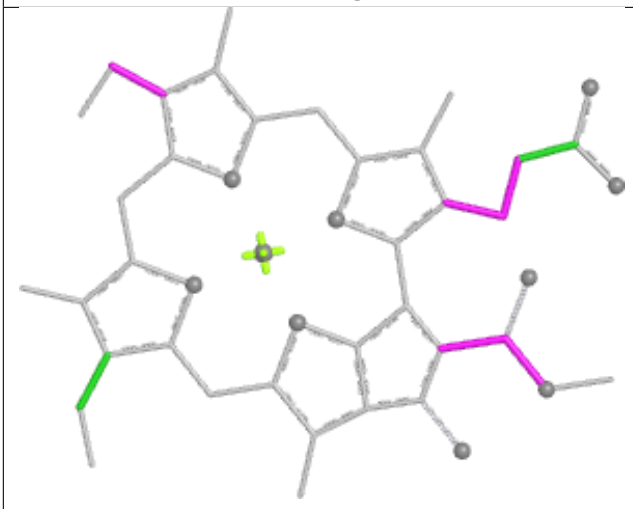
Ligand CLA B 832



Bond lengths



Bond angles

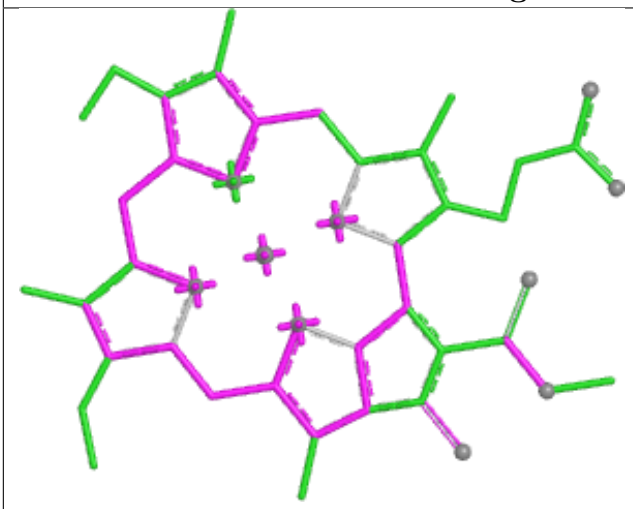


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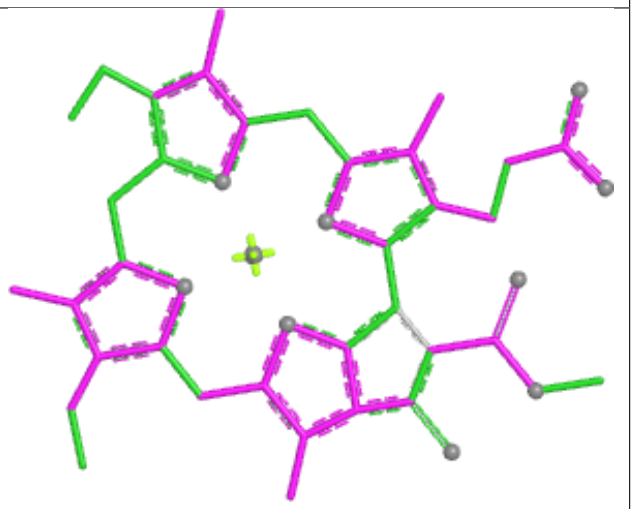


Rings

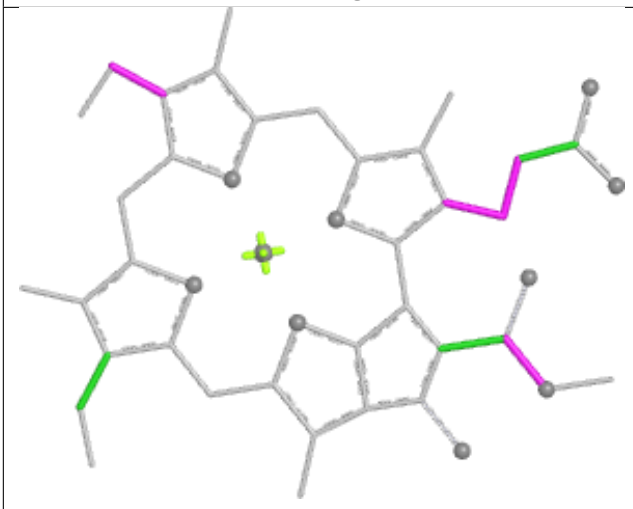
Ligand CLA W 1701



Bond lengths



Bond angles

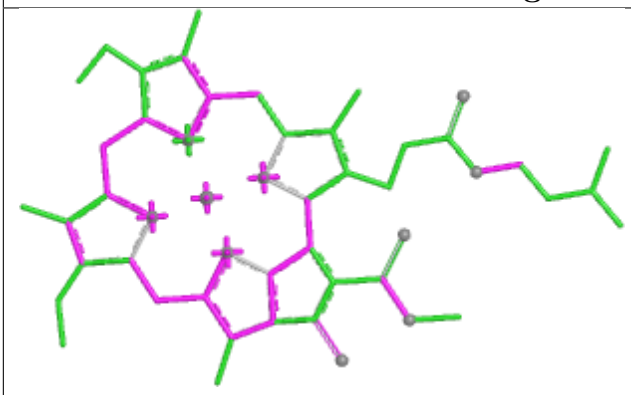


Torsions

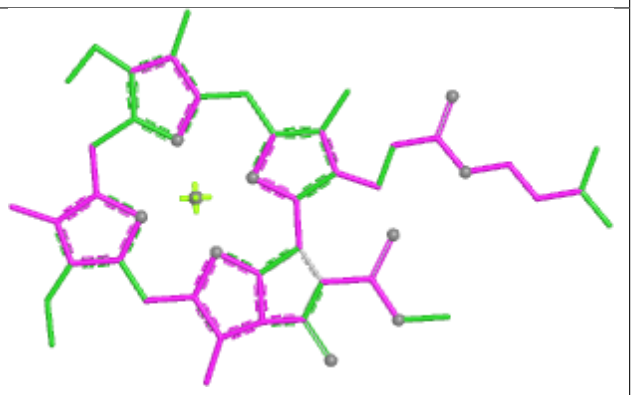


Rings

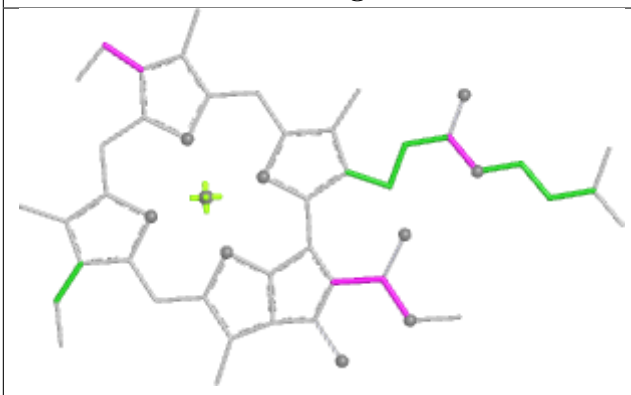
Ligand CLA A 835



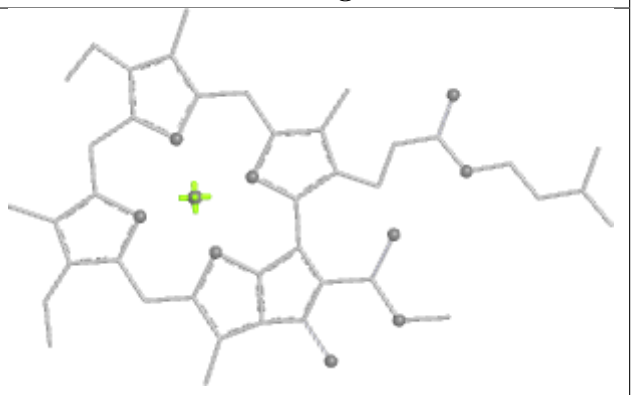
Bond lengths



Bond angles

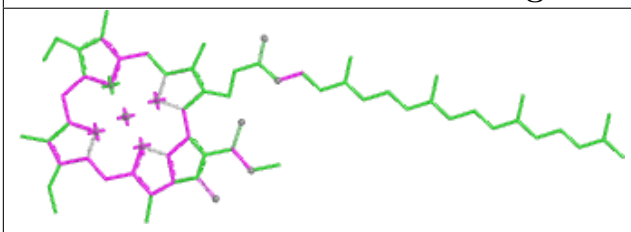


Torsions

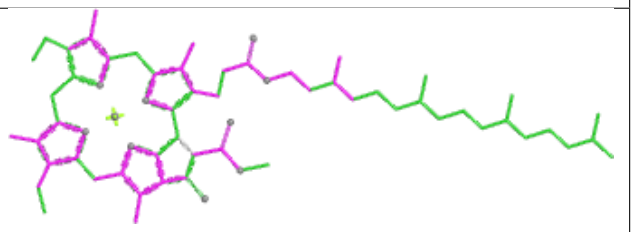


Rings

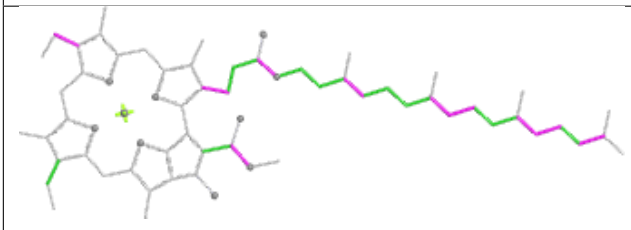
Ligand CLA L 205



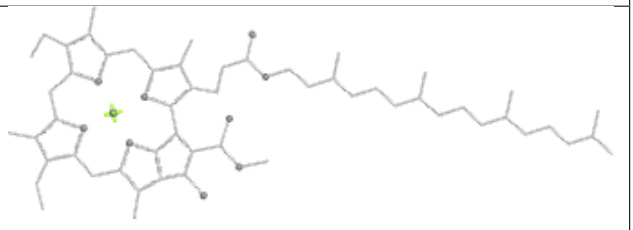
Bond lengths



Bond angles

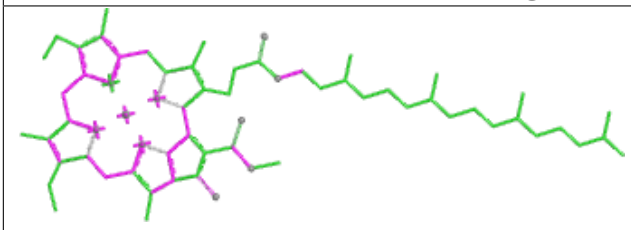


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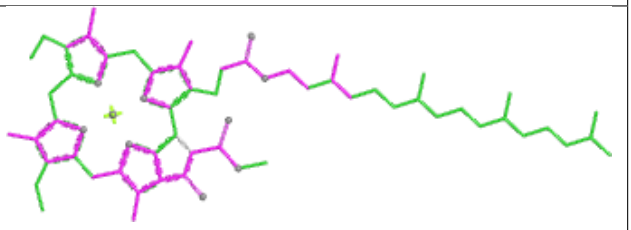


Rings

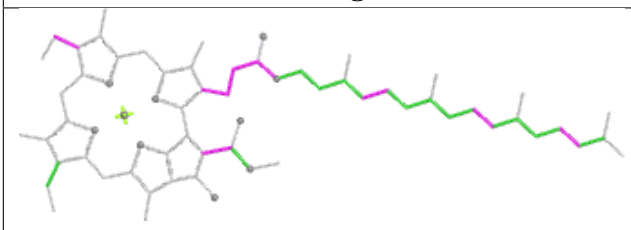
Ligand CLA U 201



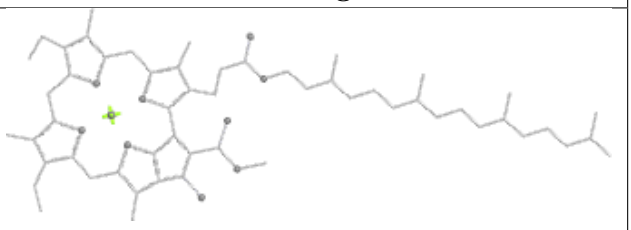
Bond lengths



Bond angles

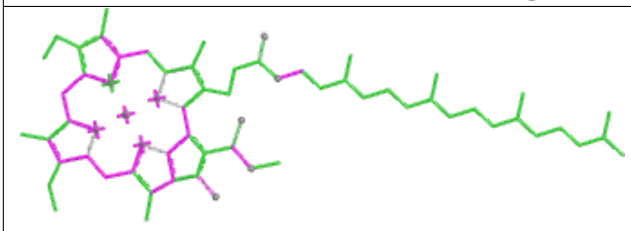


Torsions

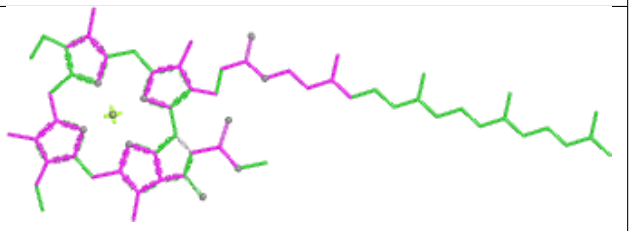


Rings

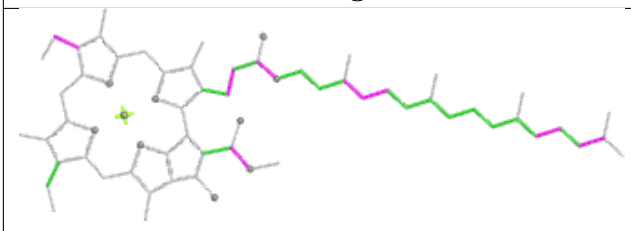
Ligand CLA G 840



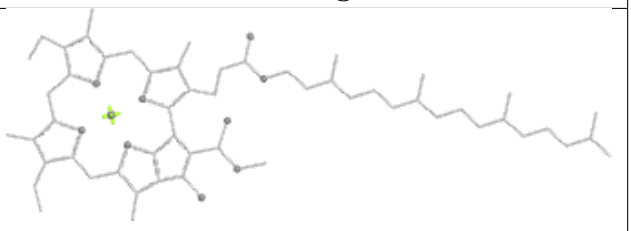
Bond lengths



Bond angles

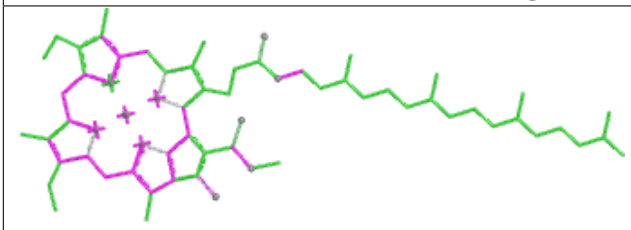


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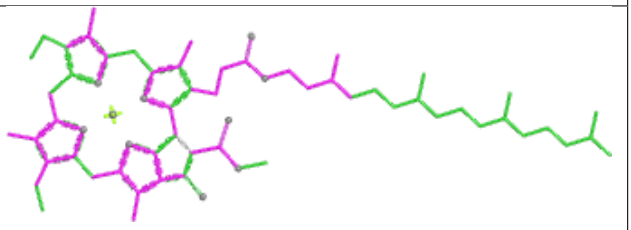


Rings

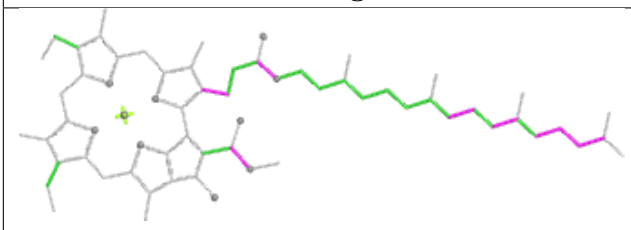
Ligand CLA A 818



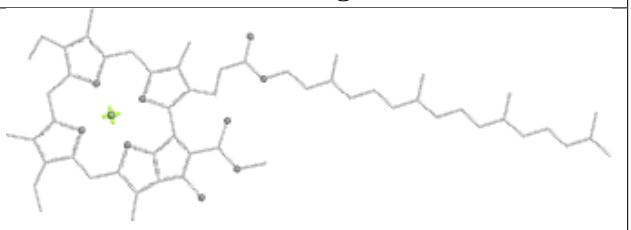
Bond lengths



Bond angles

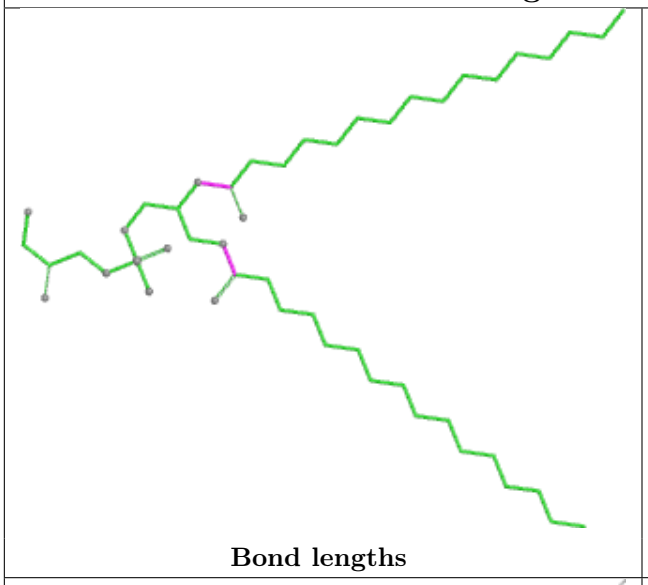


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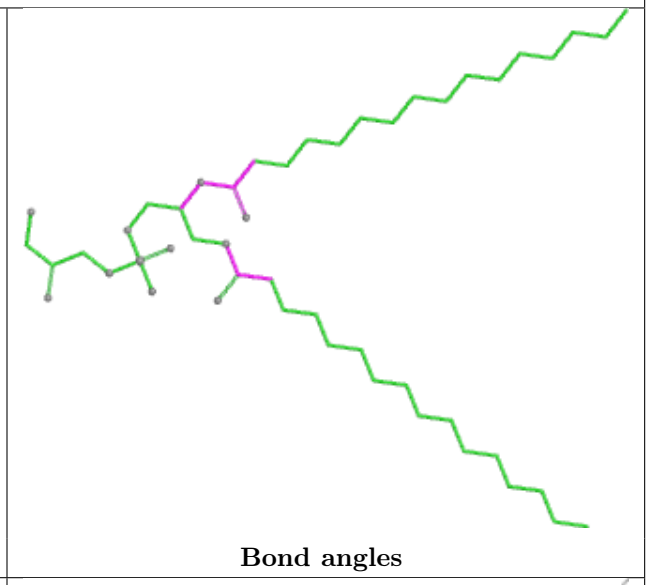


Rings

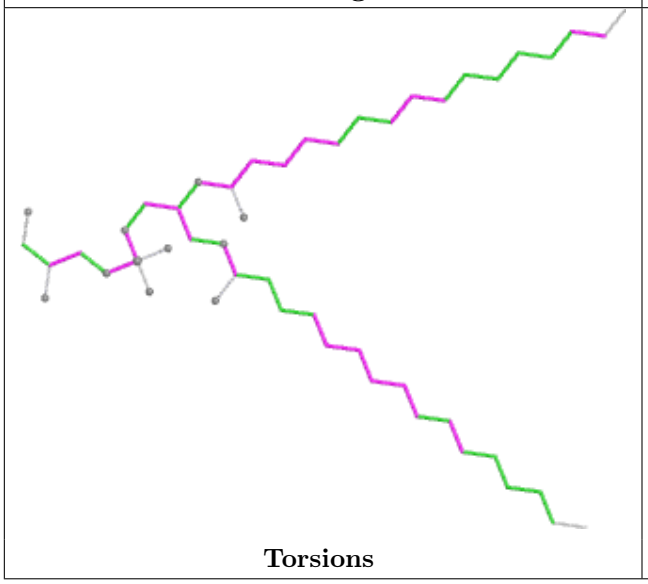
Ligand LHG A 850



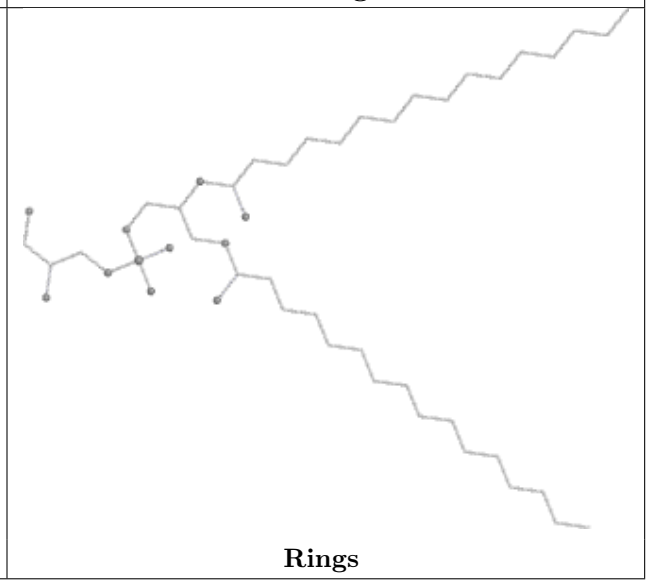
Bond lengths



Bond angles

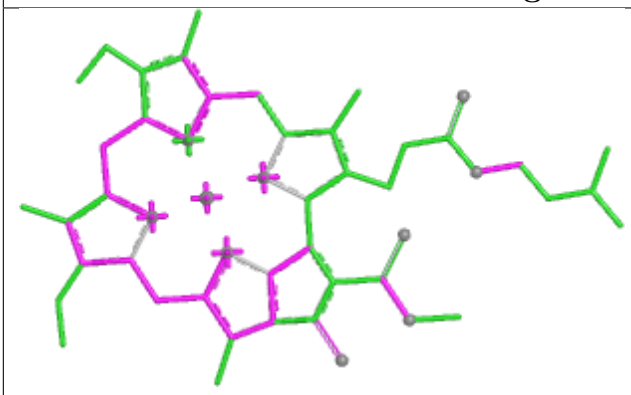


Torsions

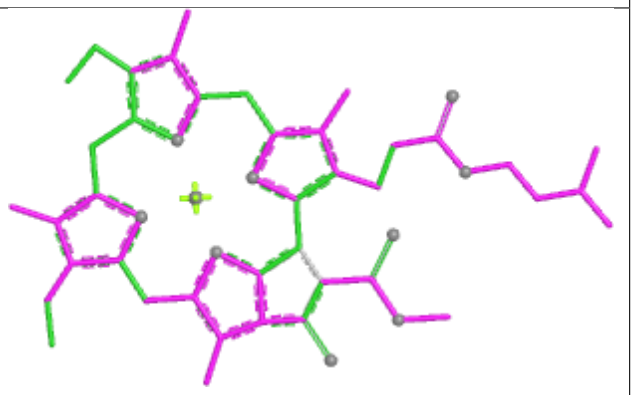


Rings

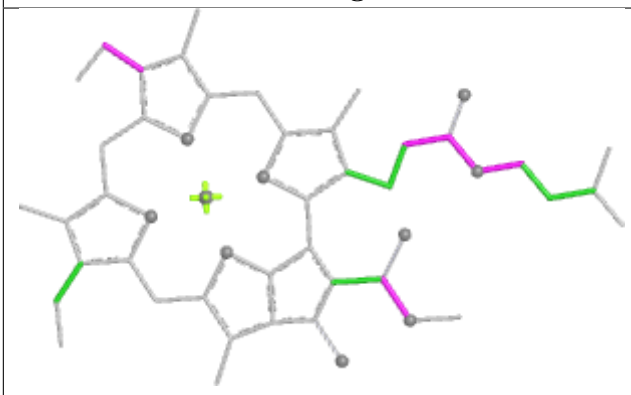
Ligand CLA A 806



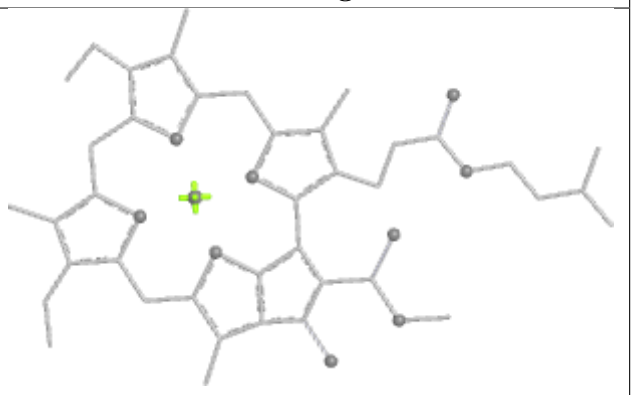
Bond lengths



Bond angles

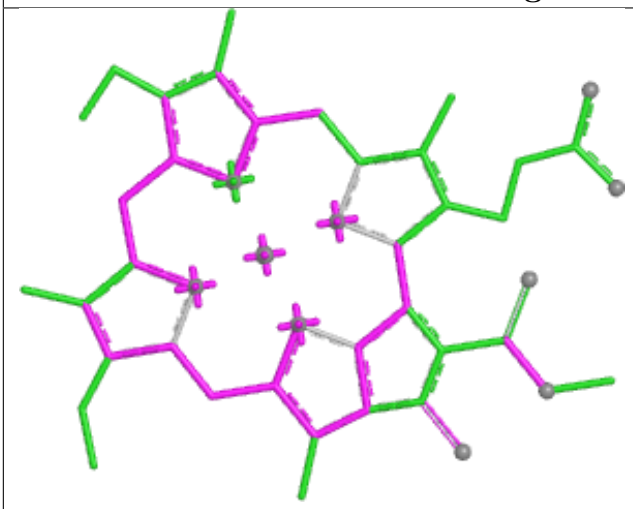


Torsions

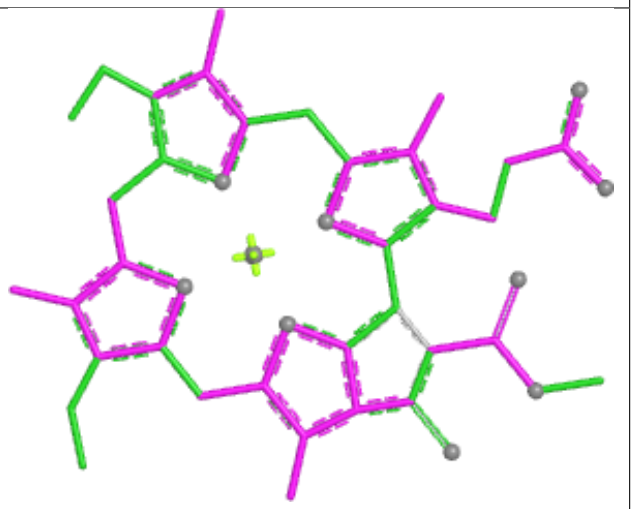


Rings

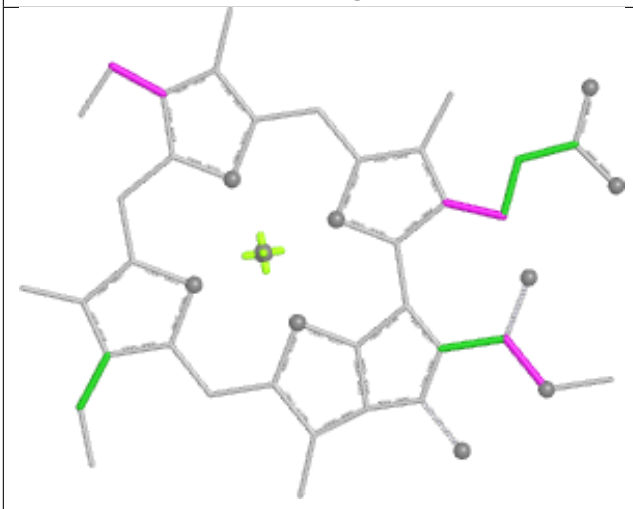
Ligand CLA B 813



Bond lengths



Bond angles

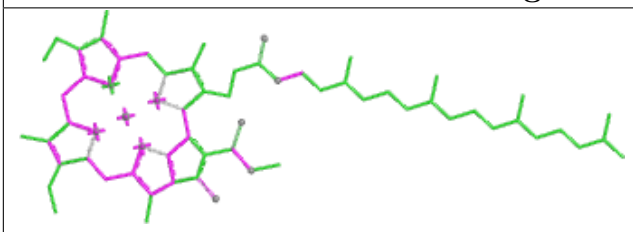


Torsions

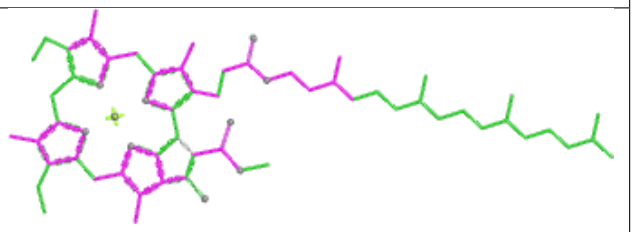


Rings

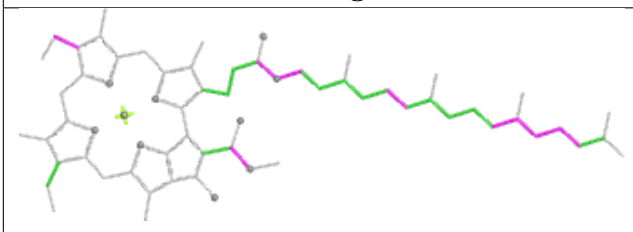
Ligand CLA A 825



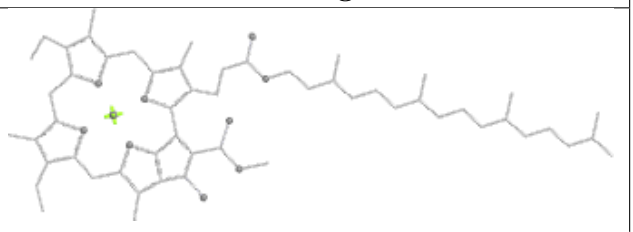
Bond lengths



Bond angles

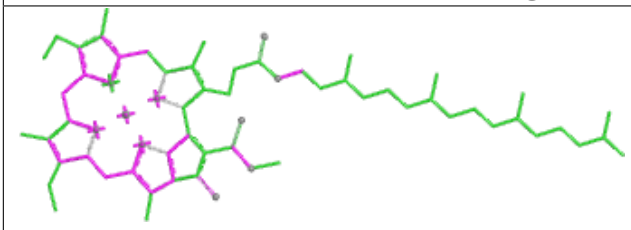


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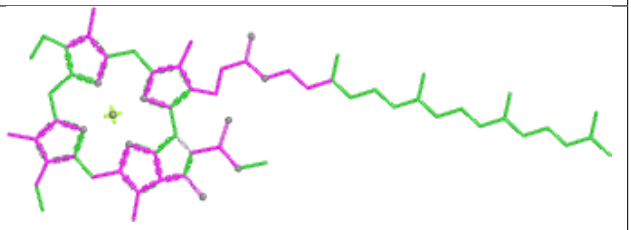


Rings

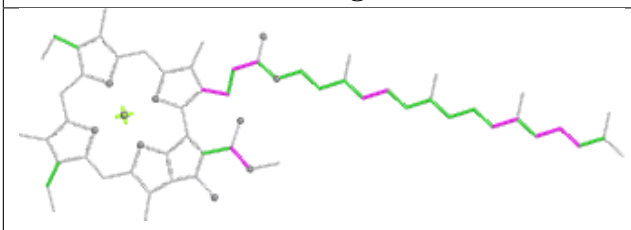
Ligand CLA H 839



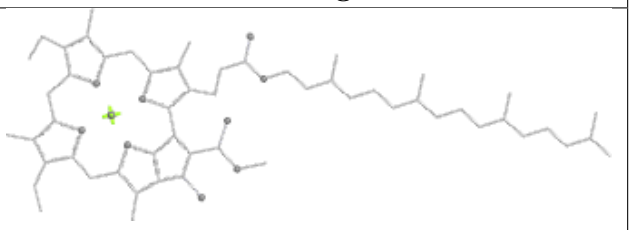
Bond lengths



Bond angles

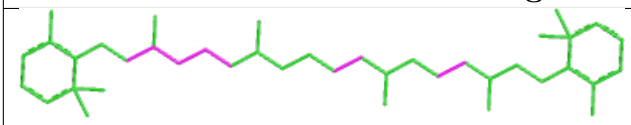


Torsions



Rings

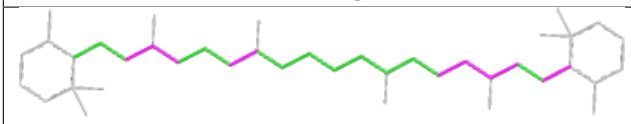
Ligand BCR b 844



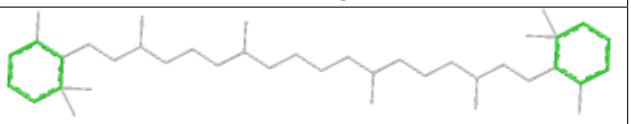
Bond lengths



Bond angles

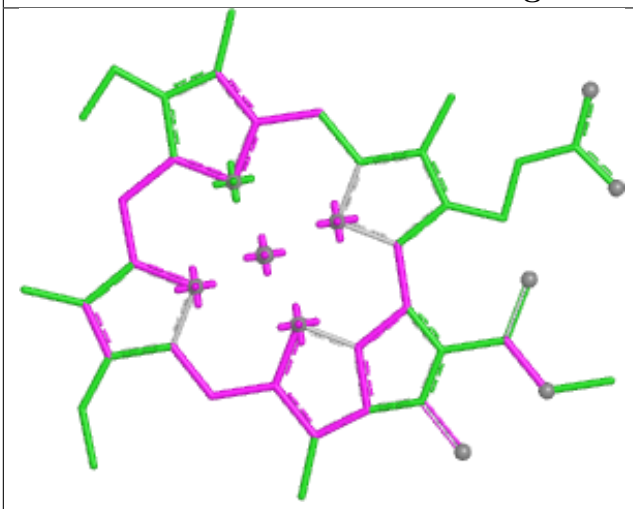


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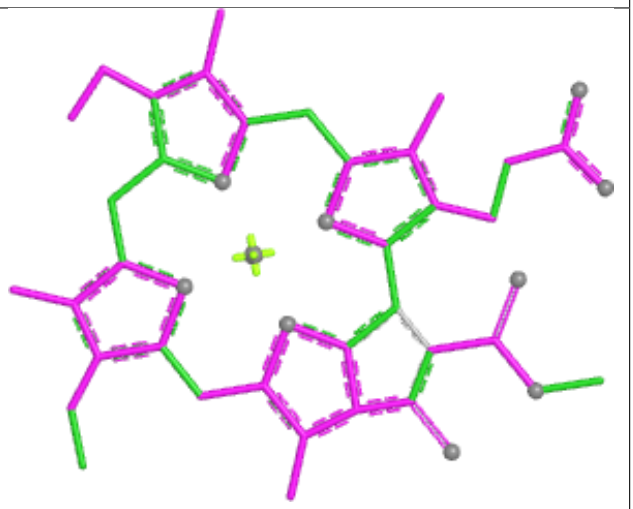


Rings

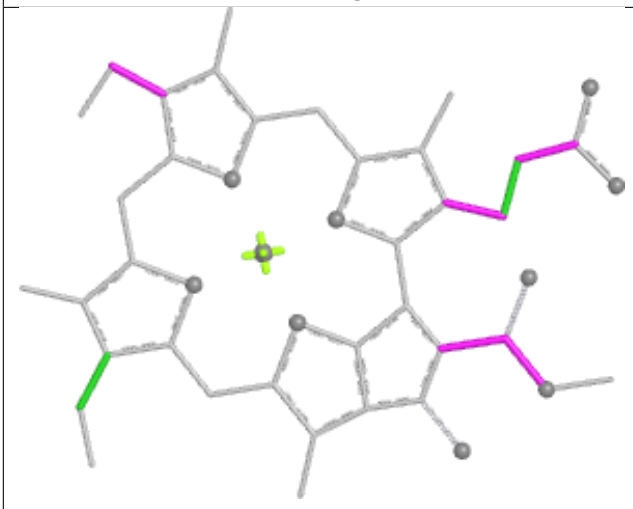
Ligand CLA A 814



Bond lengths



Bond angles

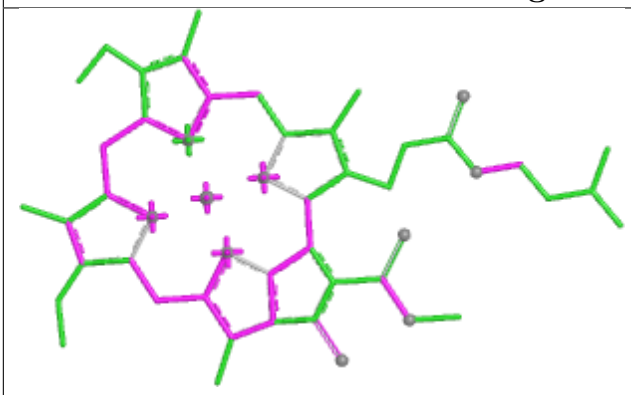


Torsions

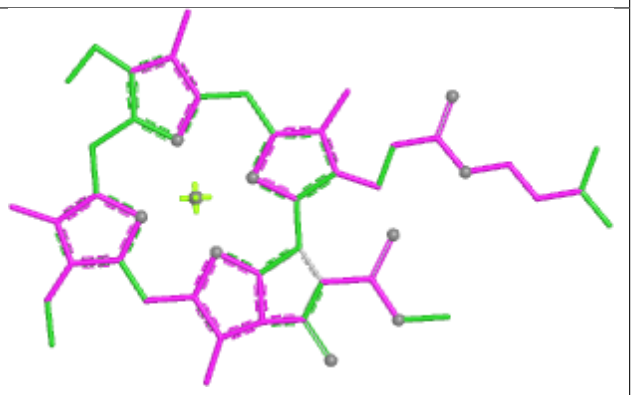


Rings

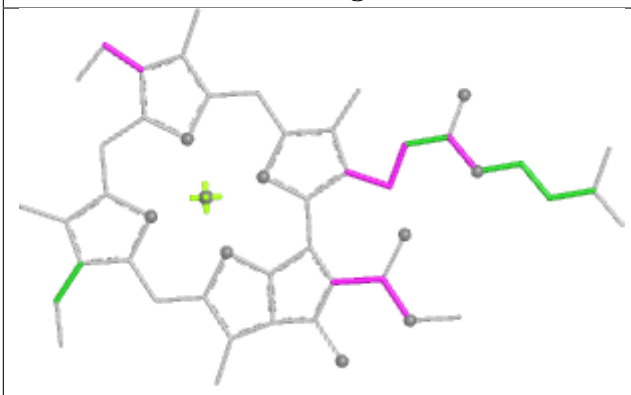
Ligand CLA a 830



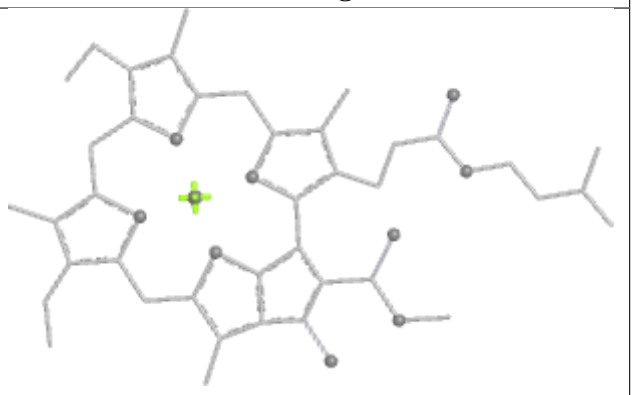
Bond lengths



Bond angles

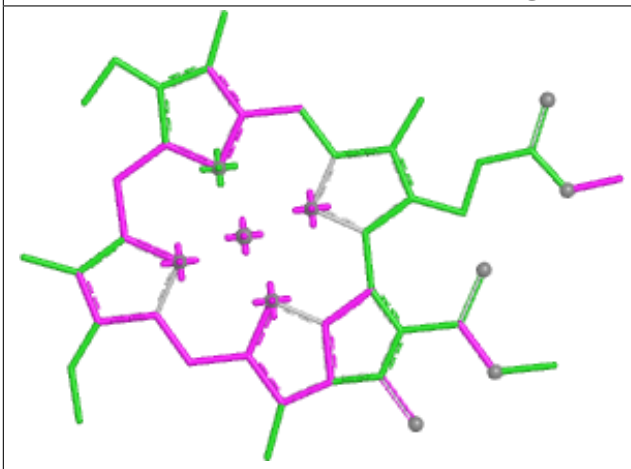


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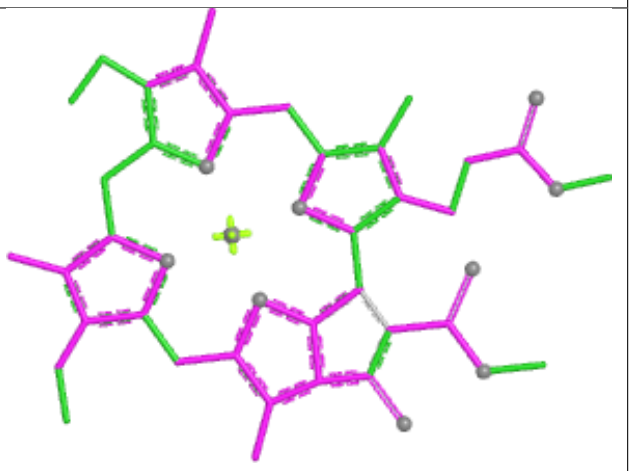


Rings

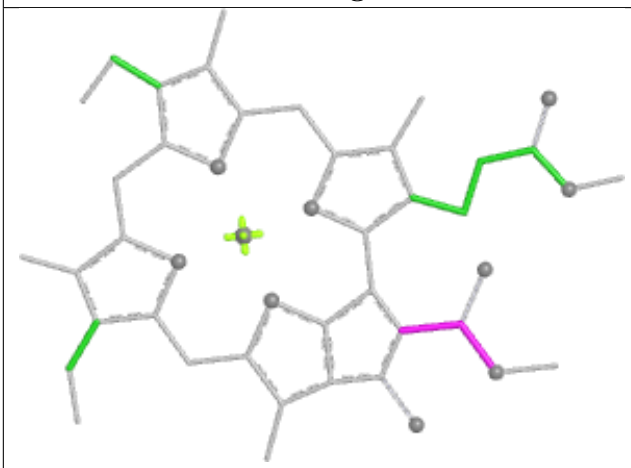
Ligand CLA H 827



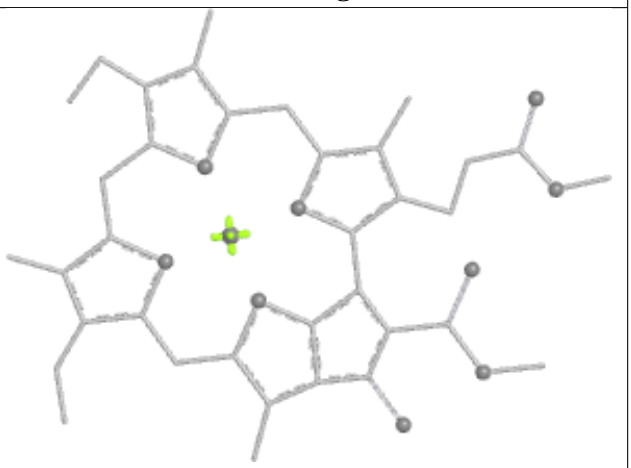
Bond lengths



Bond angles

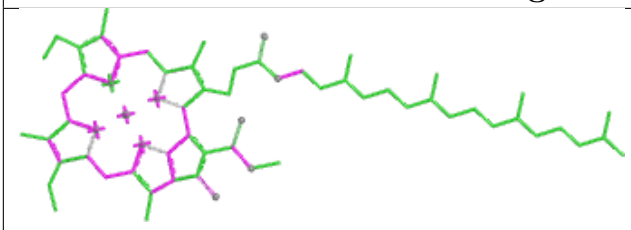


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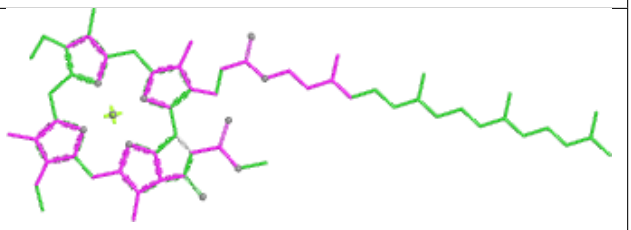


Rings

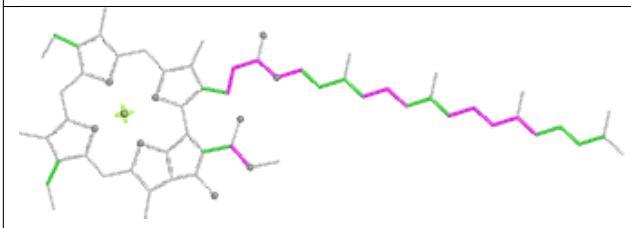
Ligand CLA a 828



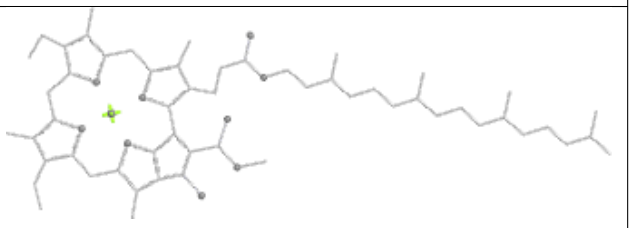
Bond lengths



Bond angles

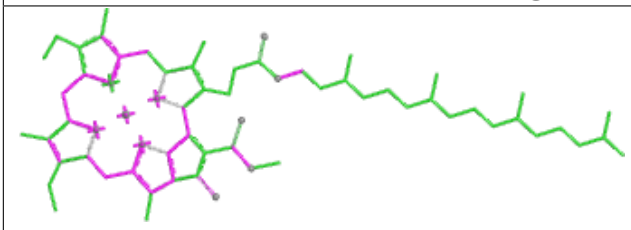


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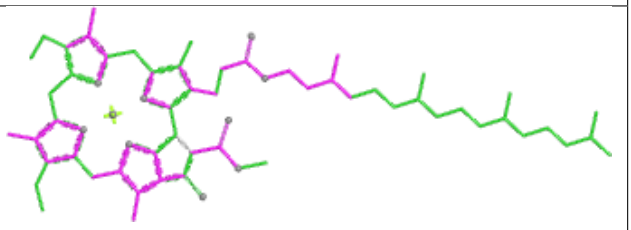


Rings

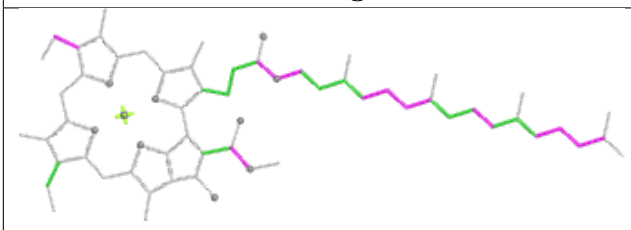
Ligand CLA b 806



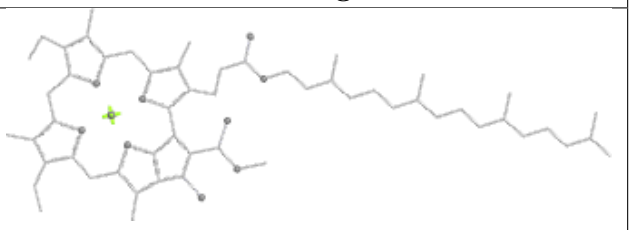
Bond lengths



Bond angles

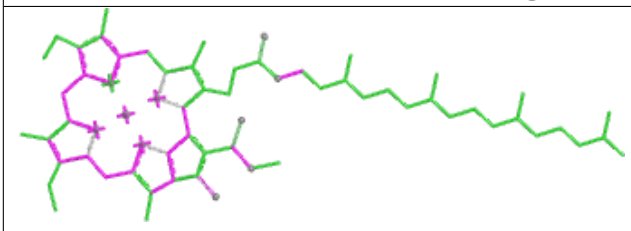


Torsions

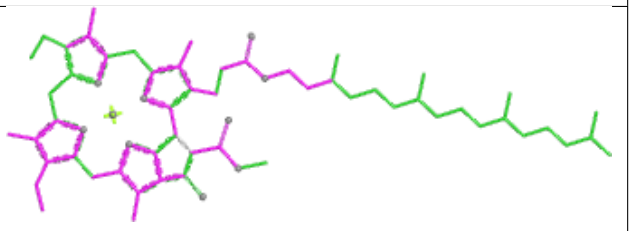


Rings

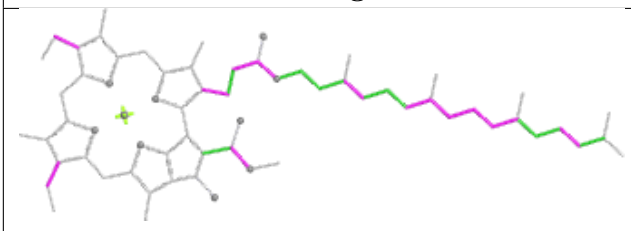
Ligand CLA H 815



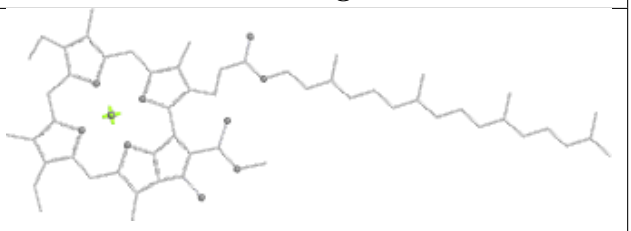
Bond lengths



Bond angles

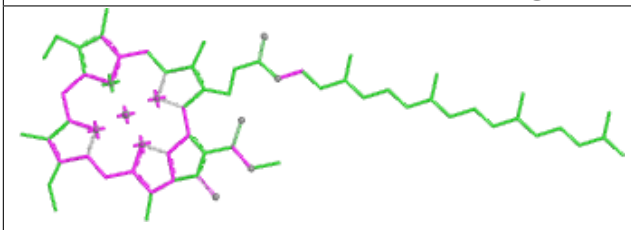


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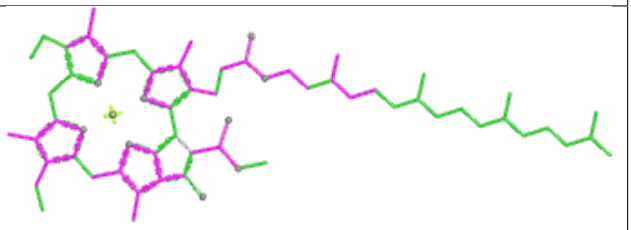


Rings

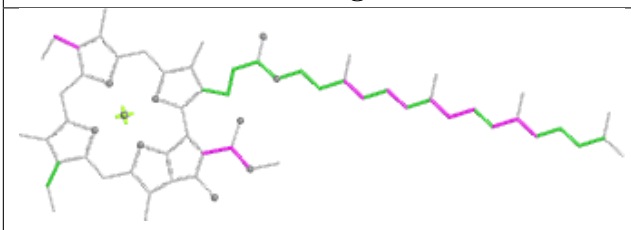
Ligand CLA a 836



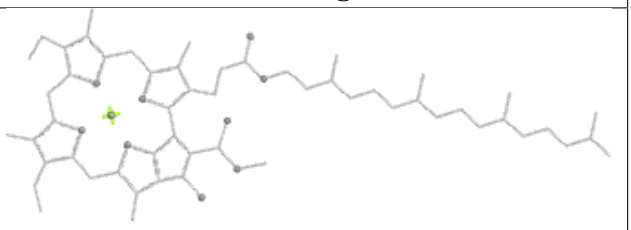
Bond lengths



Bond angles

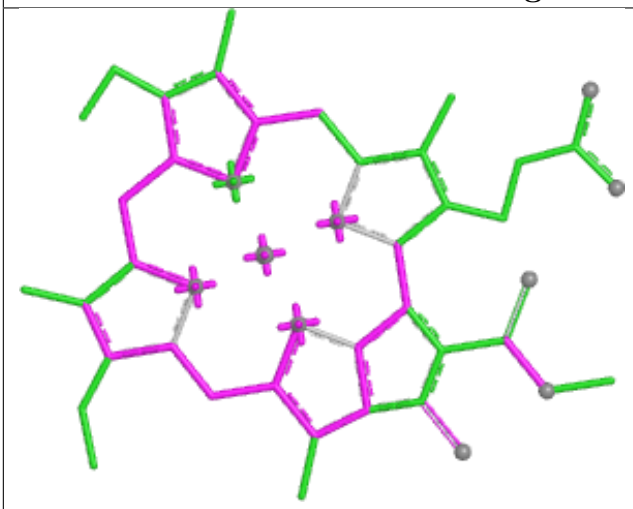


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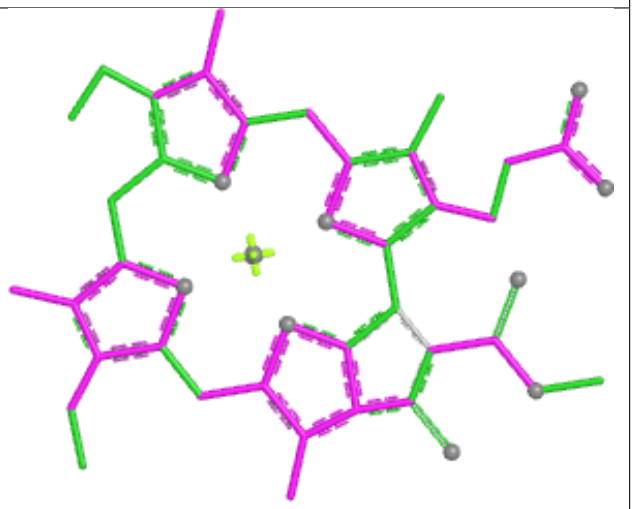


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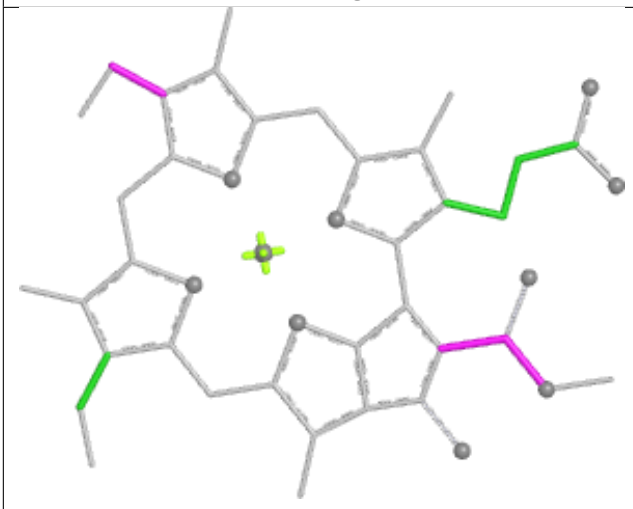
Ligand CLA B 835



Bond lengths



Bond angles

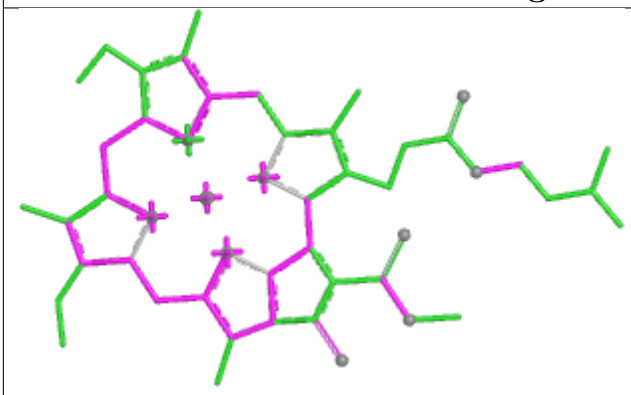


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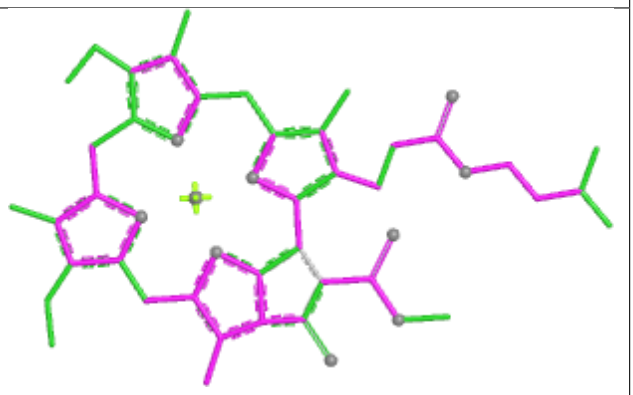


Rings

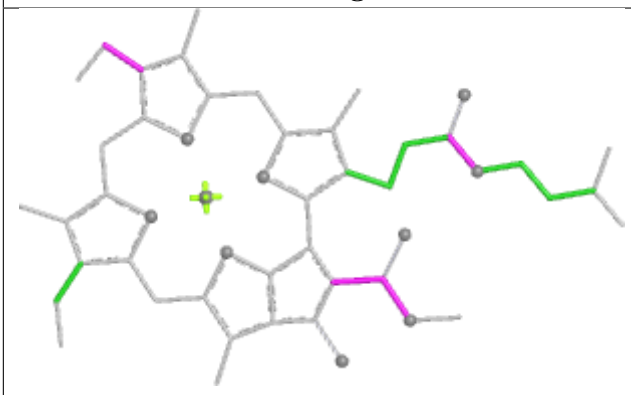
Ligand CLA a 835



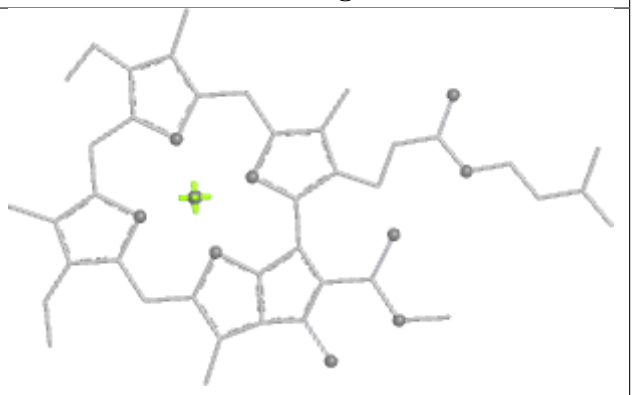
Bond lengths



Bond angles

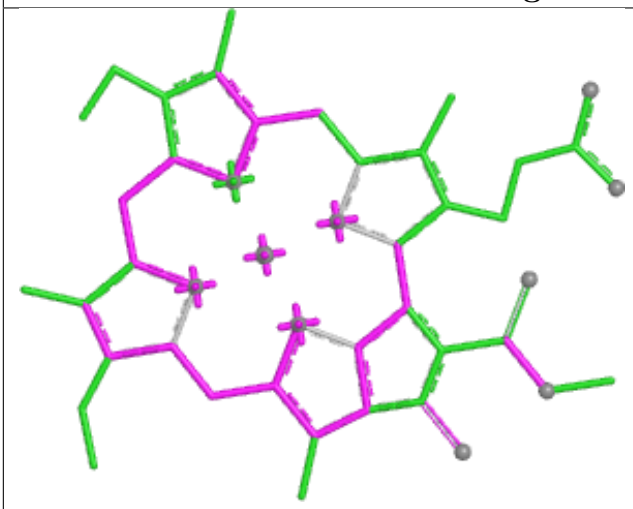


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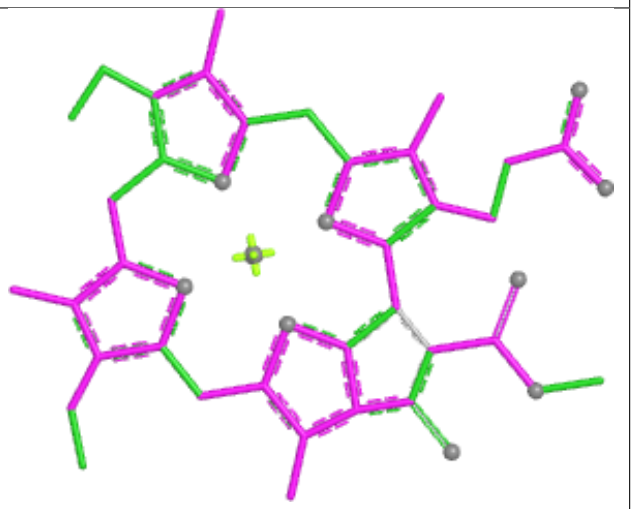


Rings

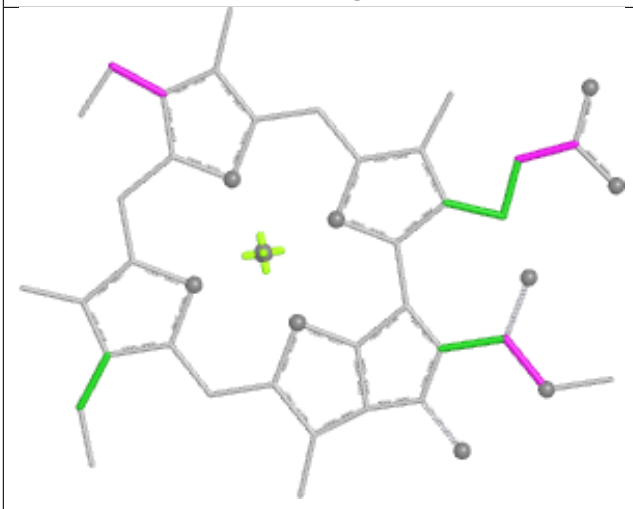
Ligand CLA H 837



Bond lengths



Bond angles

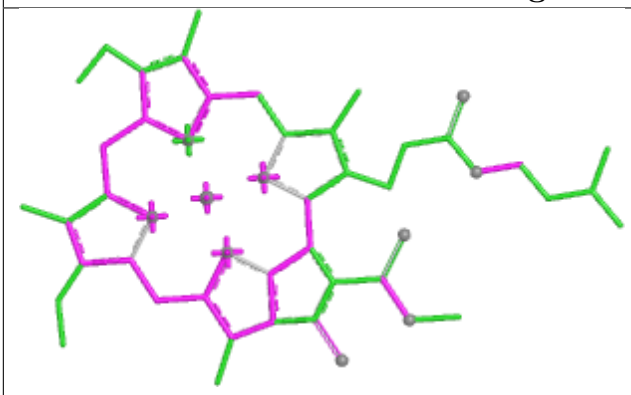


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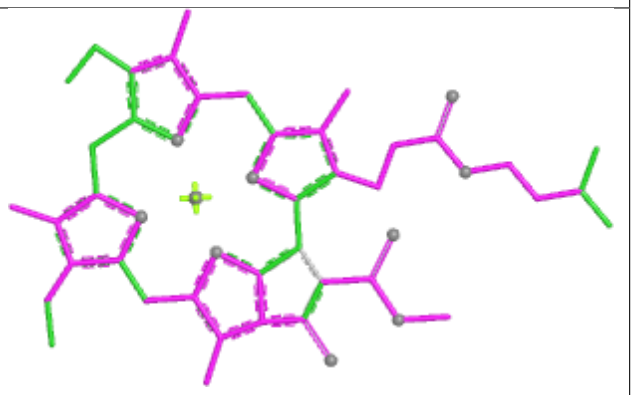


Rings

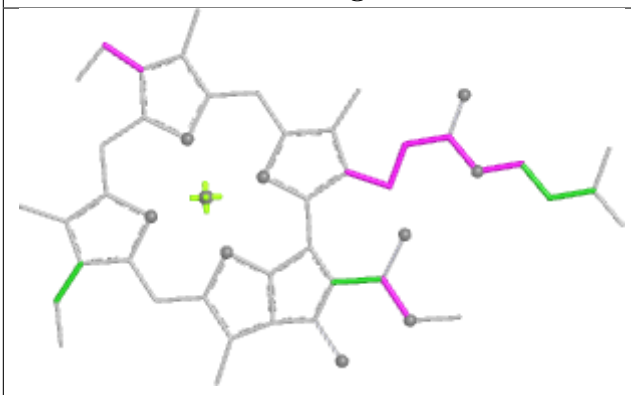
Ligand CLA a 817



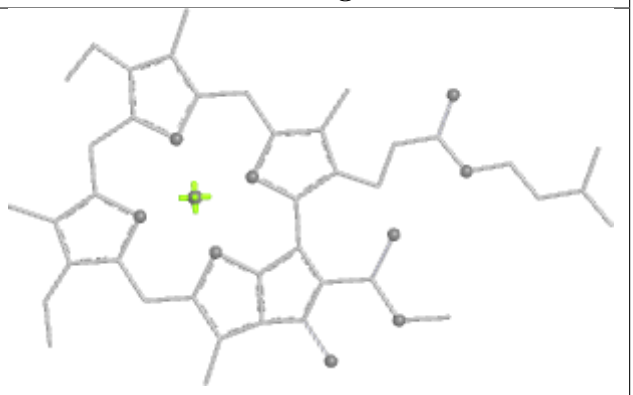
Bond lengths



Bond angles

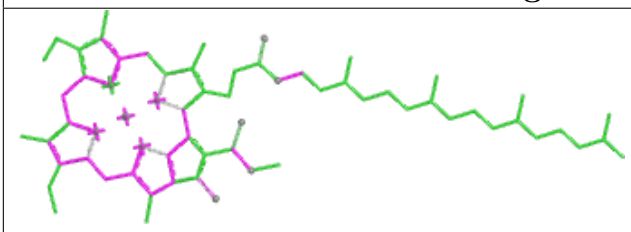


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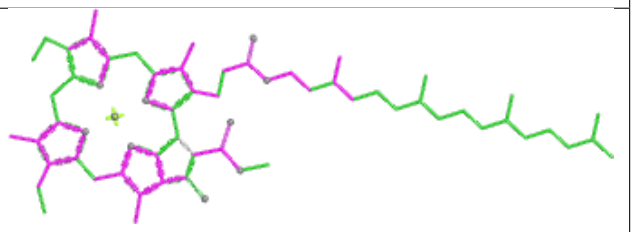


Rings

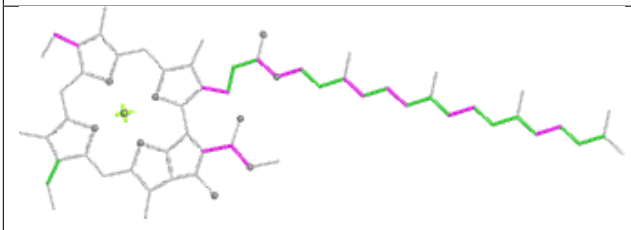
Ligand CLA A 802



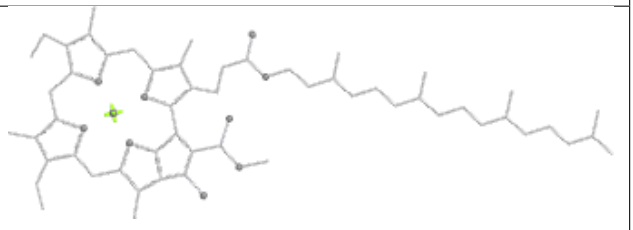
Bond lengths



Bond angles

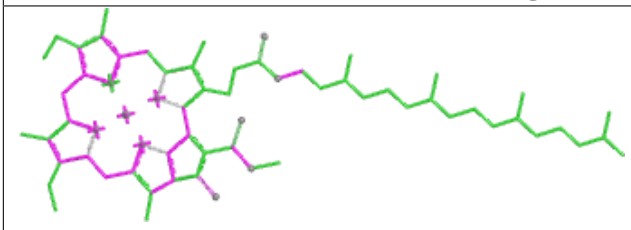


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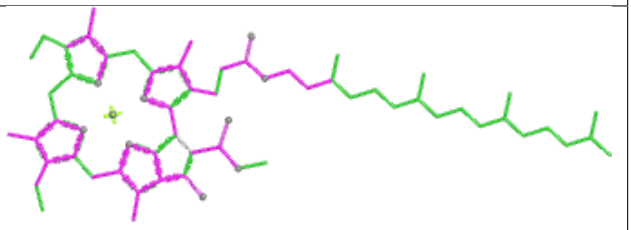


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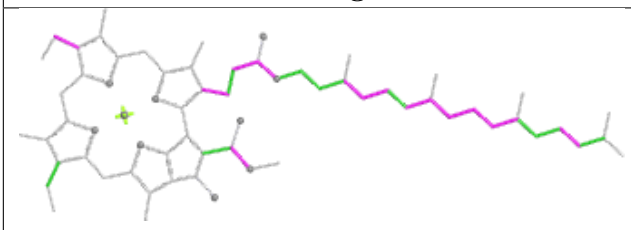
Ligand CLA B 815



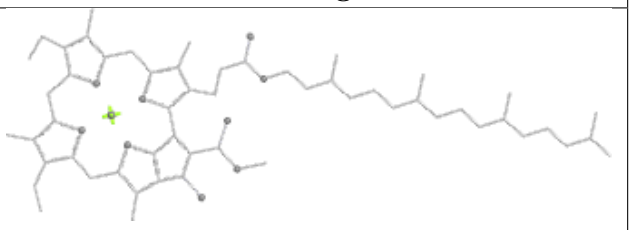
Bond lengths



Bond angles

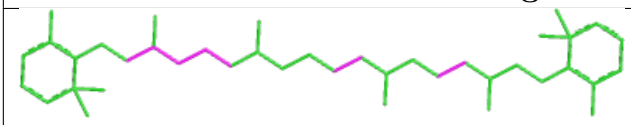


Torsions



Rings

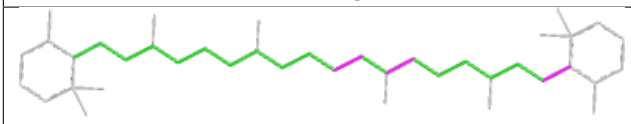
Ligand BCR H 848



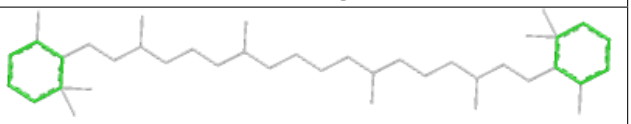
Bond lengths



Bond angles

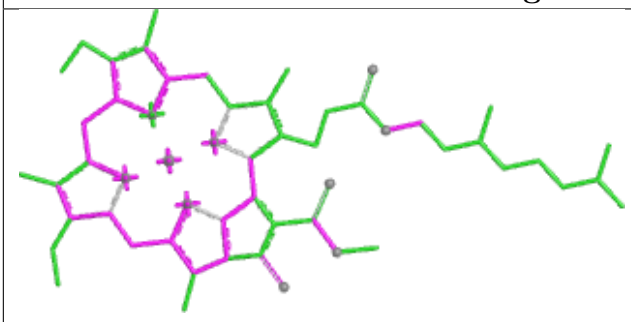


Torsions

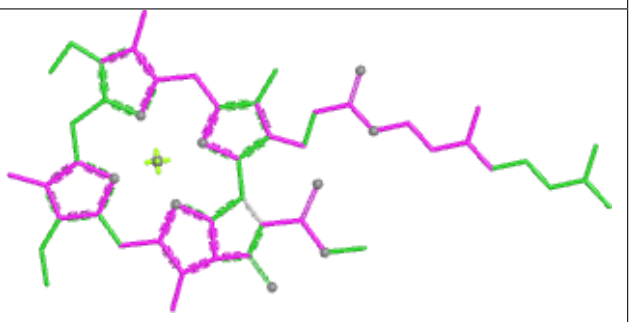


Rings

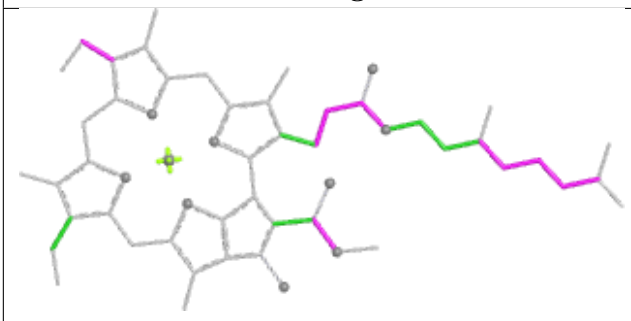
Ligand CLA H 824



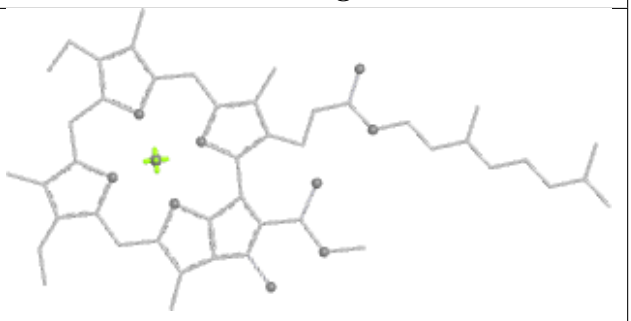
Bond lengths



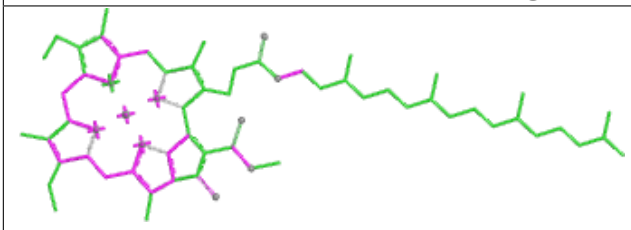
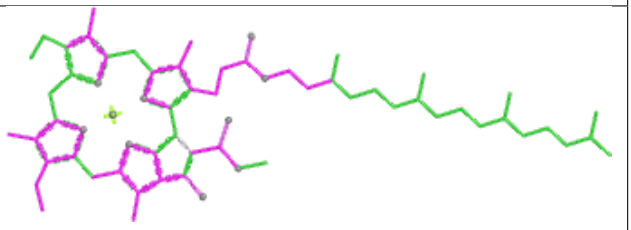
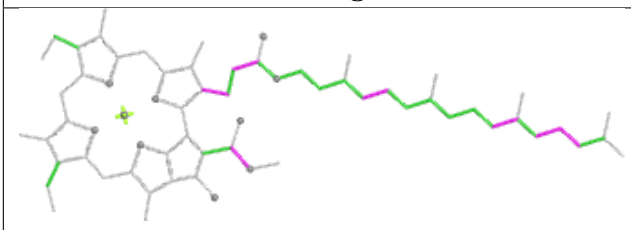
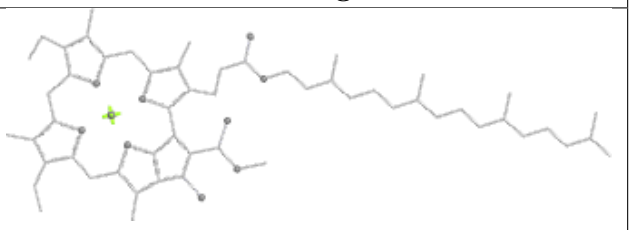
Bond angles

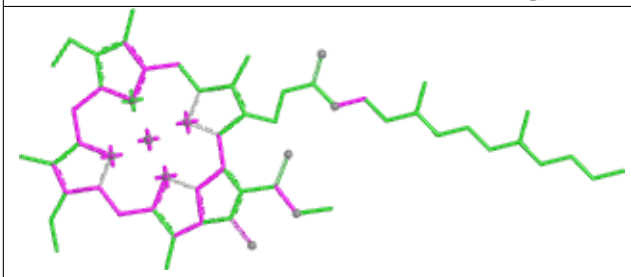
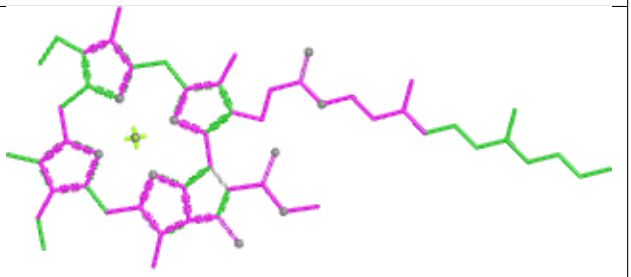
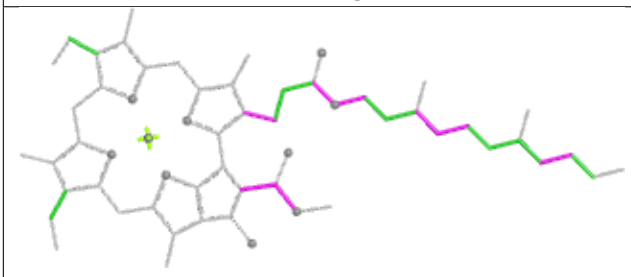
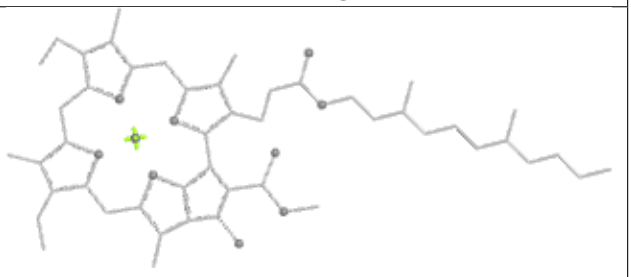


Torsions

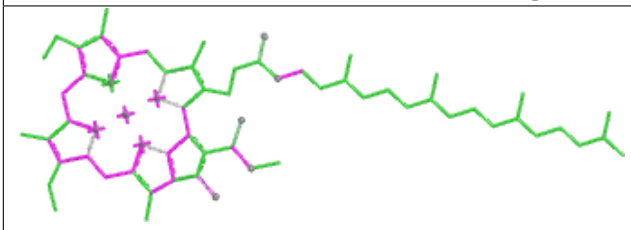


Rings

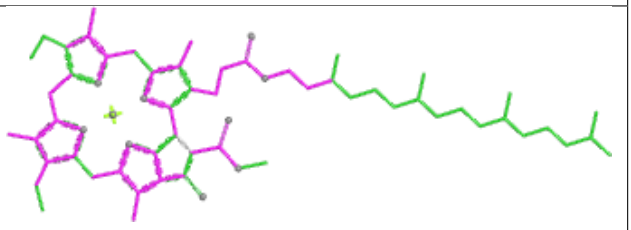
Ligand CLA B 839	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 834	
	
Bond lengths	Bond angles
	
Torsions	Rings

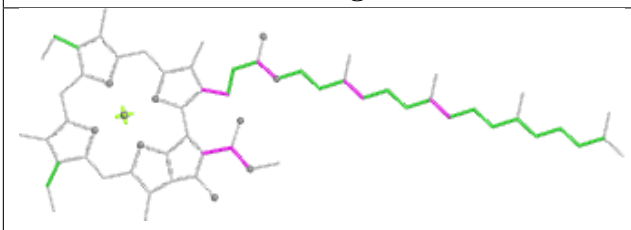
Ligand CLA L 204



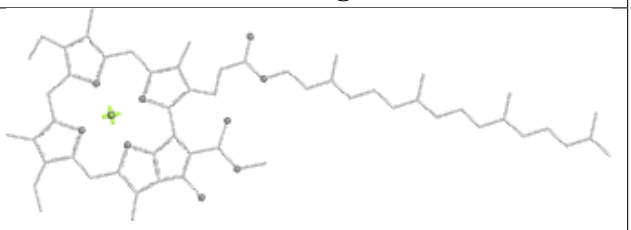
Bond lengths



Bond angles

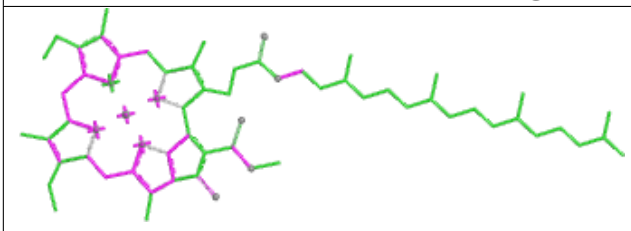


Torsions

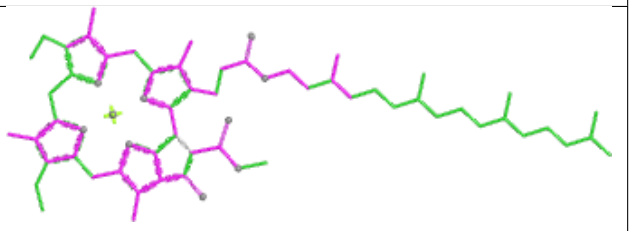


Rings

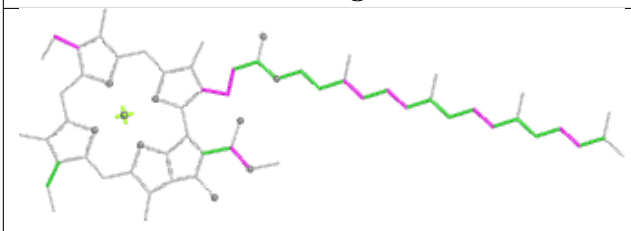
Ligand CLA b 802



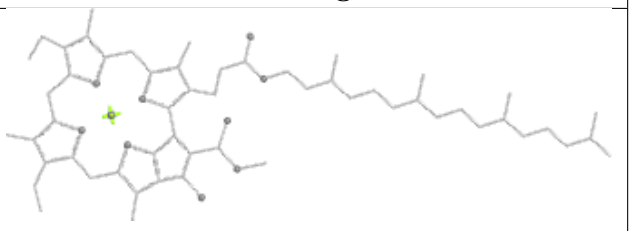
Bond lengths



Bond angles

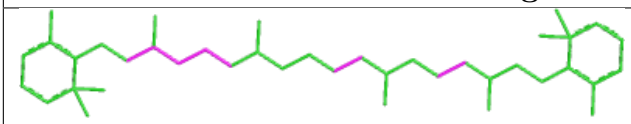


Torsions

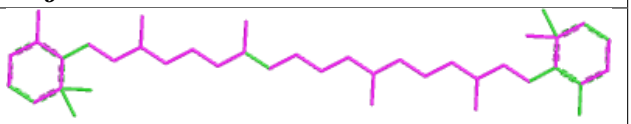


Rings

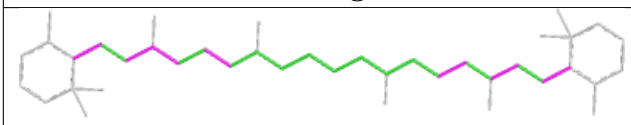
Ligand BCR j 1304



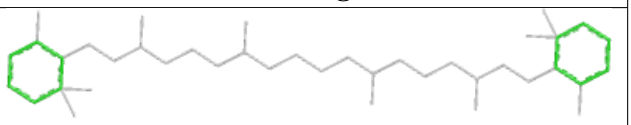
Bond lengths



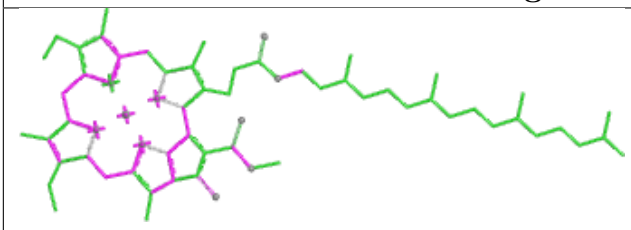
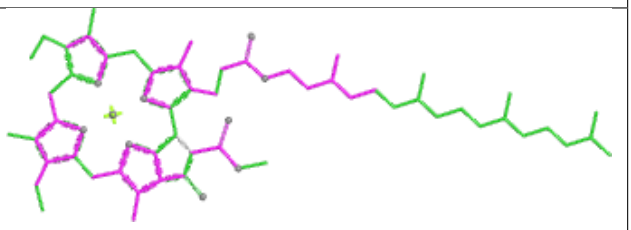
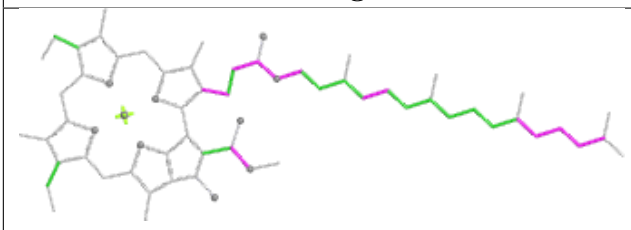
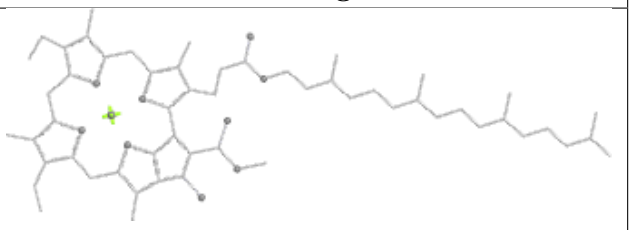
Bond angles

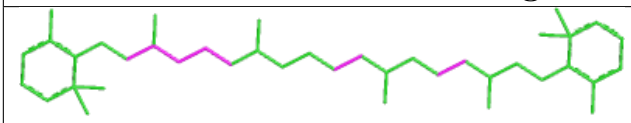
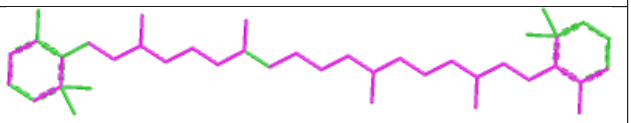
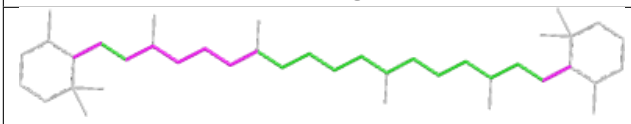
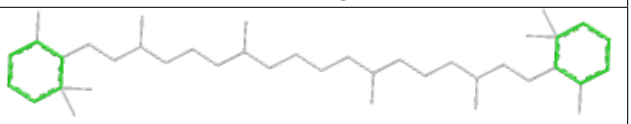


Torsions

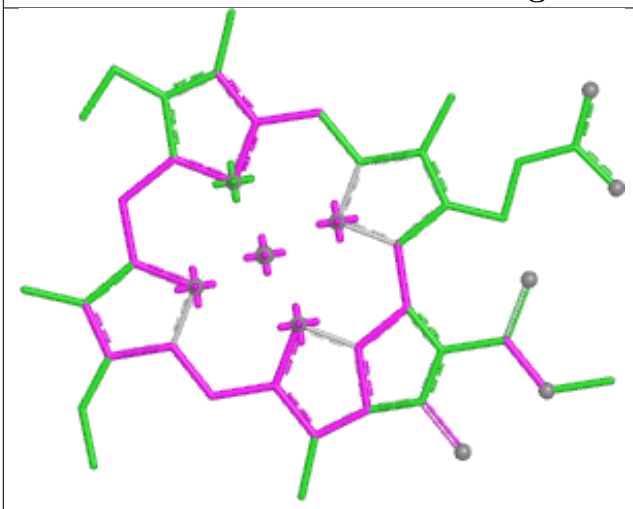


Rings

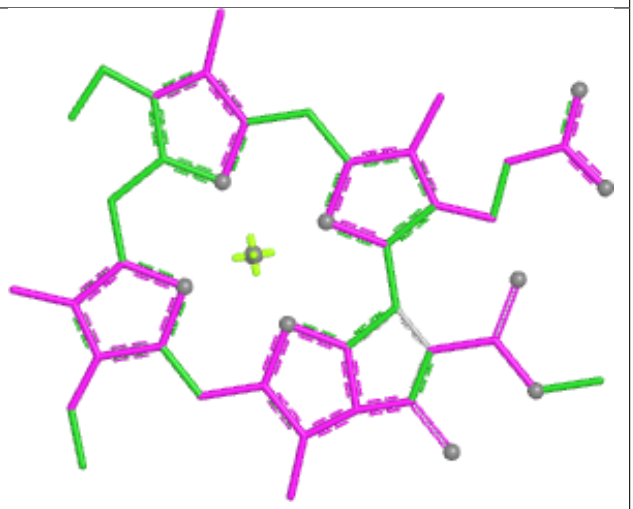
Ligand CLA B 812	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand BCR A 845	
 Bond lengths	 Bond angles
 Torsions	 Rings

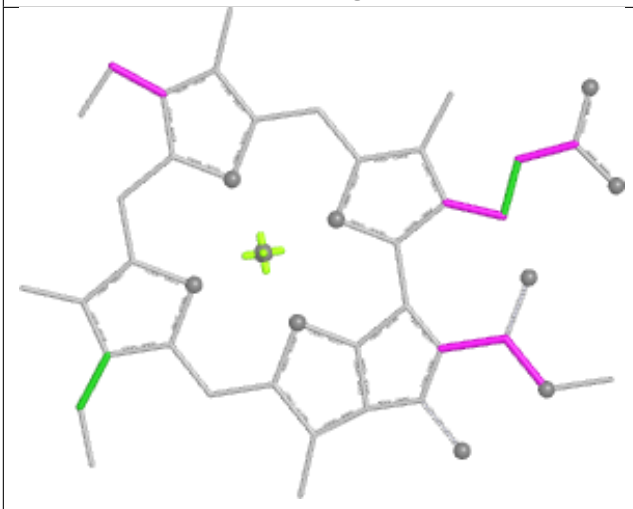
Ligand CLA a 814



Bond lengths



Bond angles

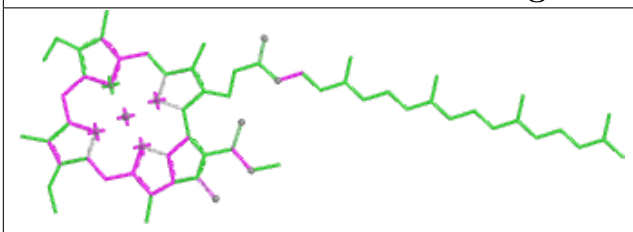


Torsions

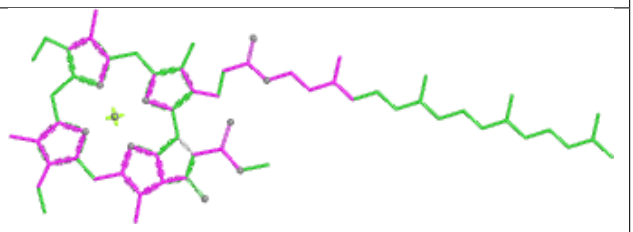


Rings

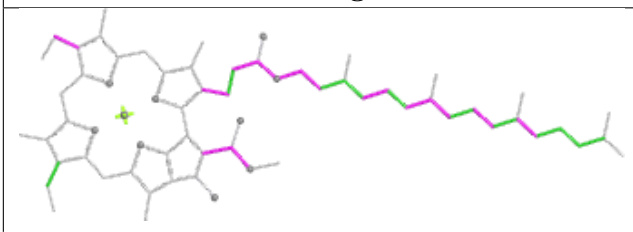
Ligand CLA a 804



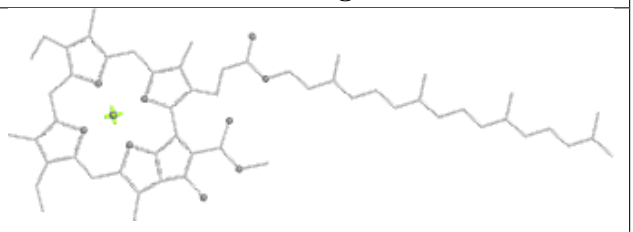
Bond lengths



Bond angles

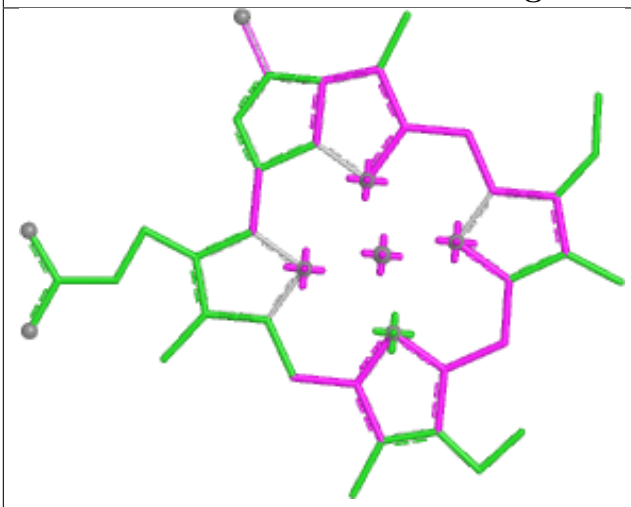


Torsions

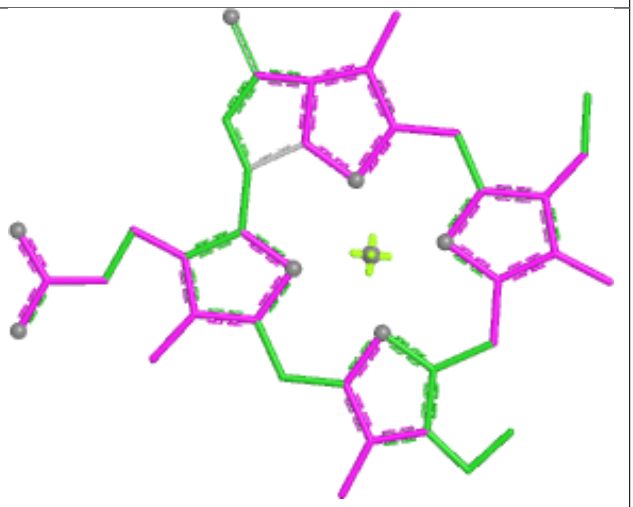


Rings

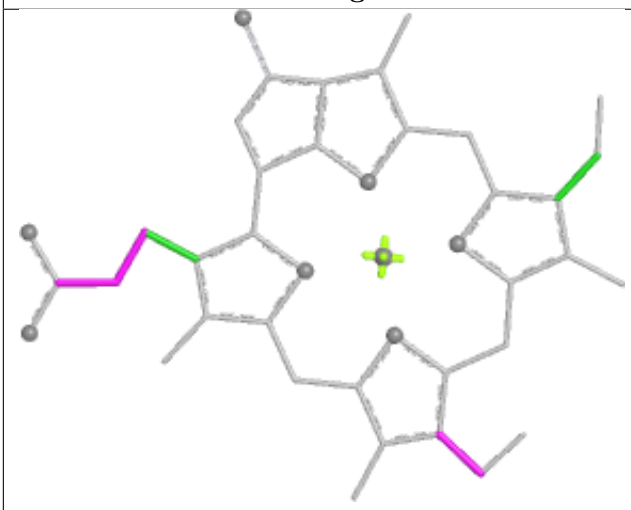
Ligand CLA T 101



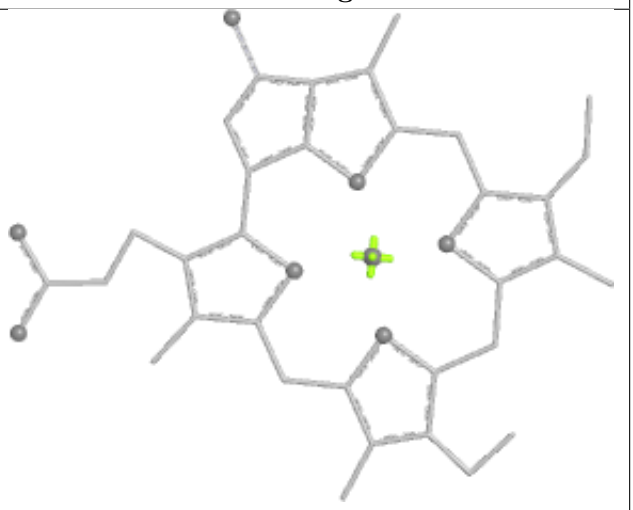
Bond lengths



Bond angles

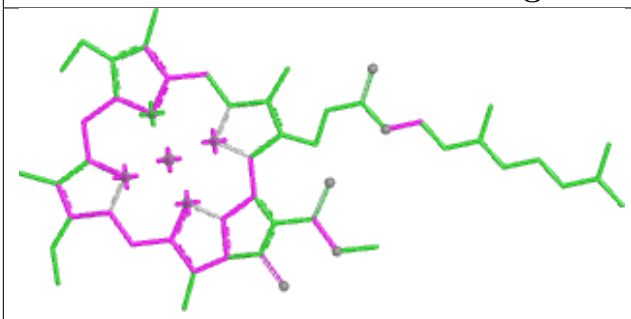


Torsions

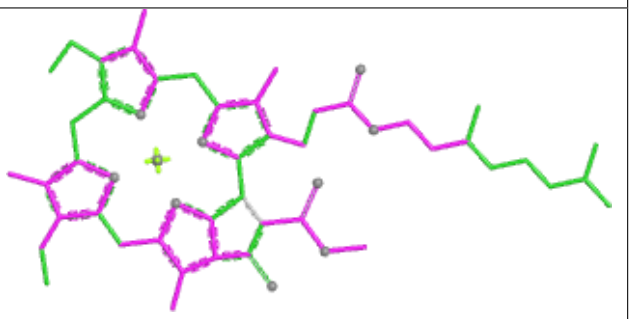


Rings

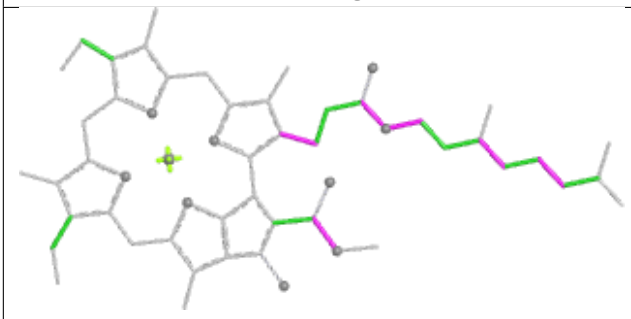
Ligand CLA A 823



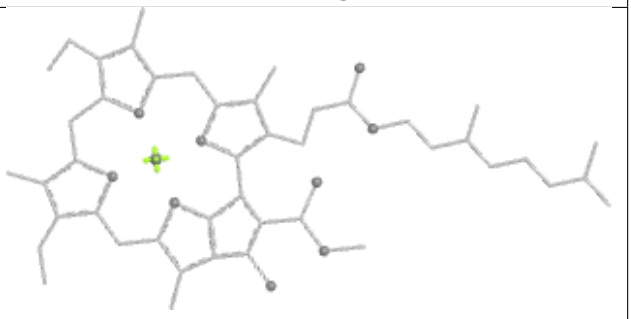
Bond lengths



Bond angles

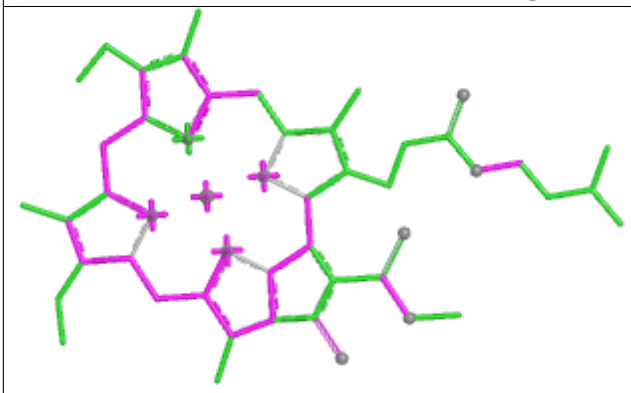


Torsions

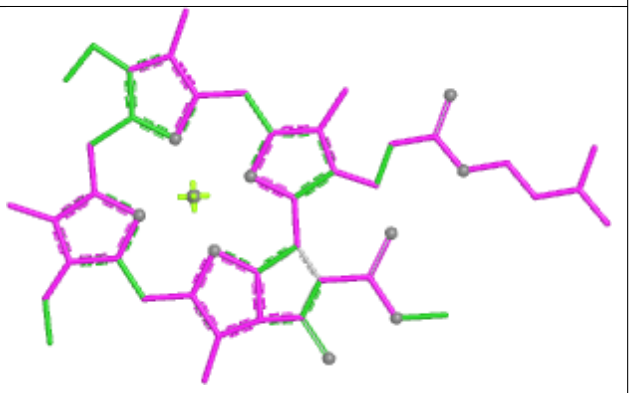


Rings

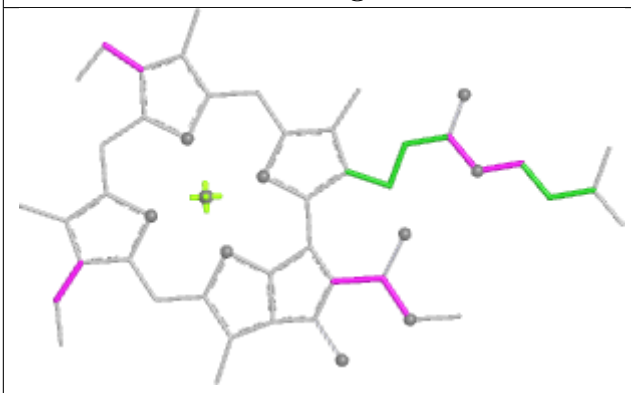
Ligand CLA A 842



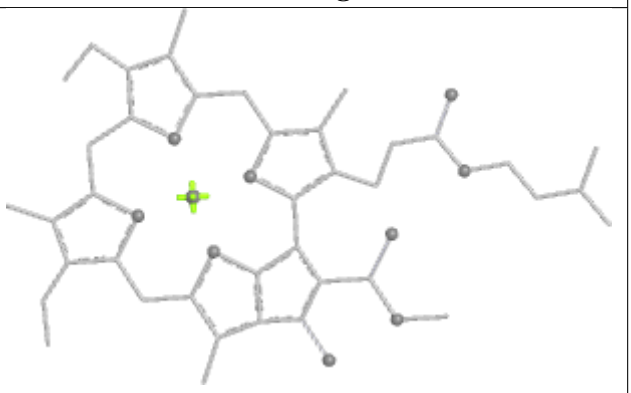
Bond lengths



Bond angles

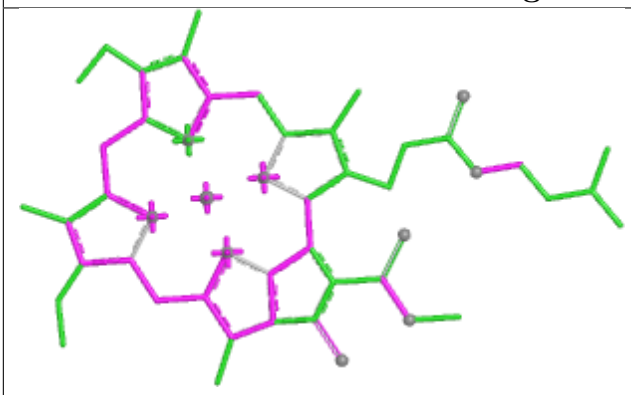


Torsions

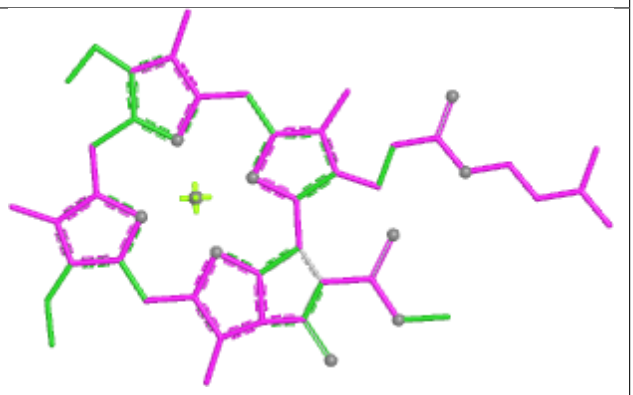


Rings

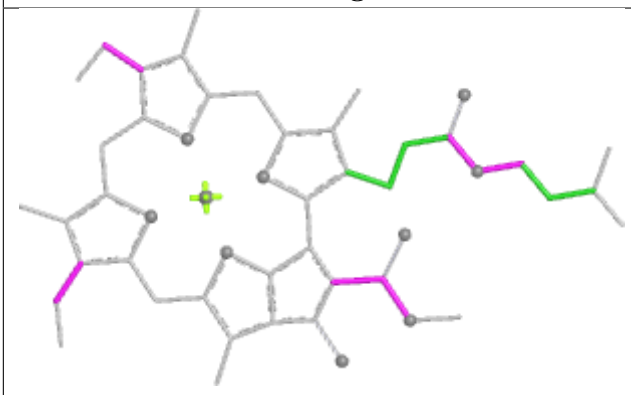
Ligand CLA G 841



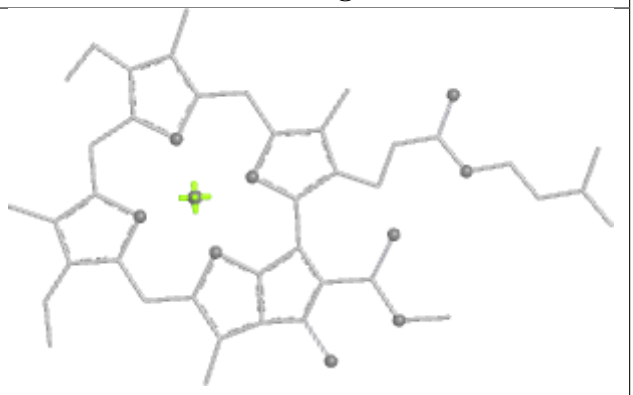
Bond lengths



Bond angles

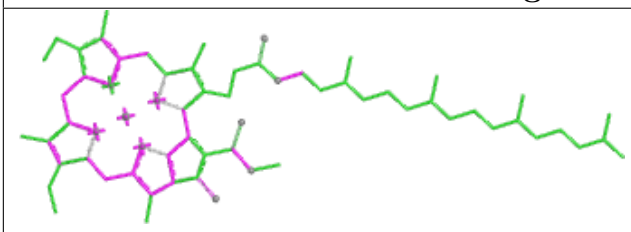


Torsions

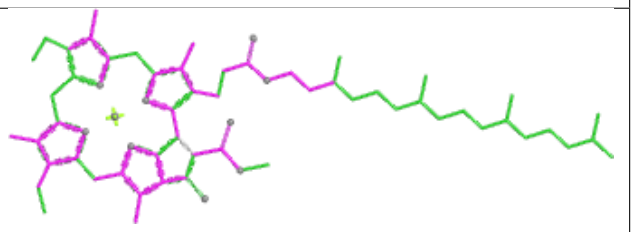


Rings

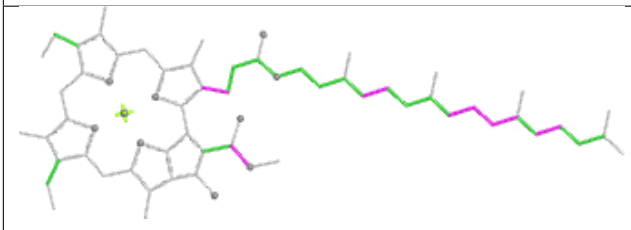
Ligand CLA A 808



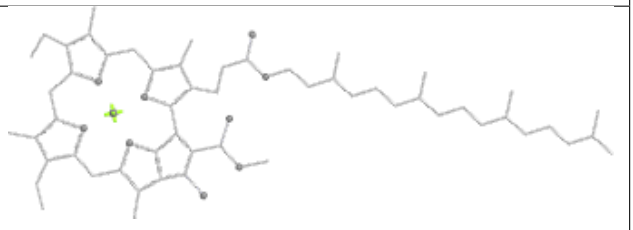
Bond lengths



Bond angles

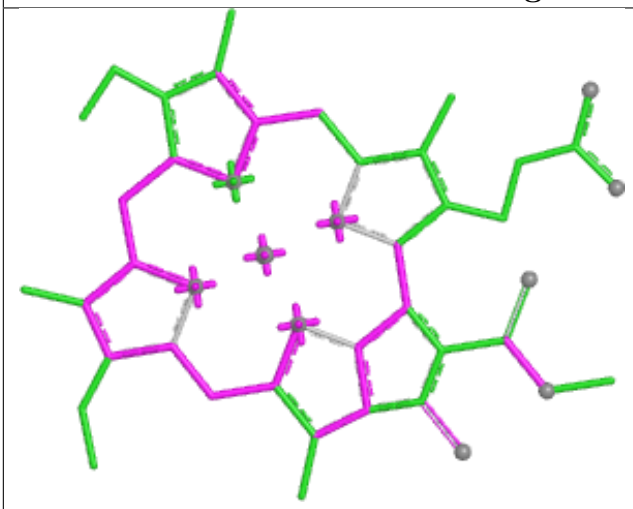


Torsions

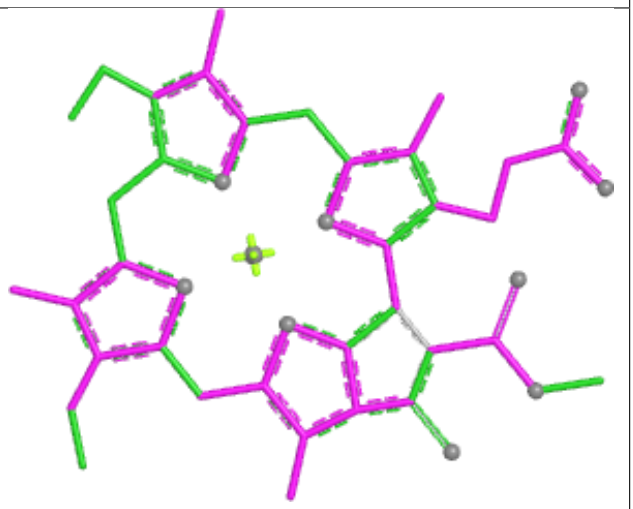


Rings

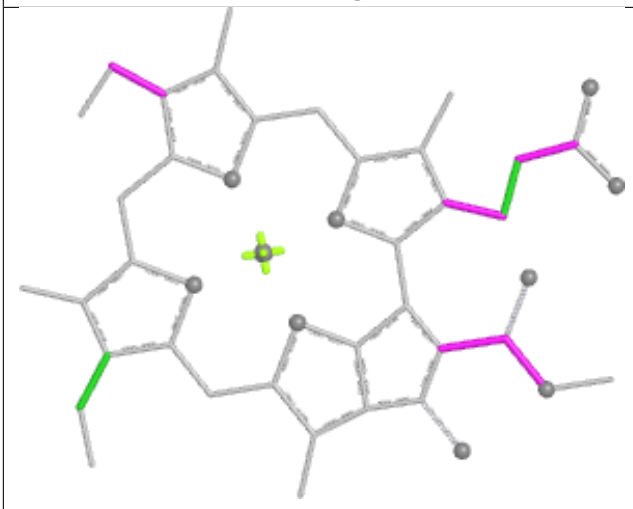
Ligand CLA B 822



Bond lengths



Bond angles

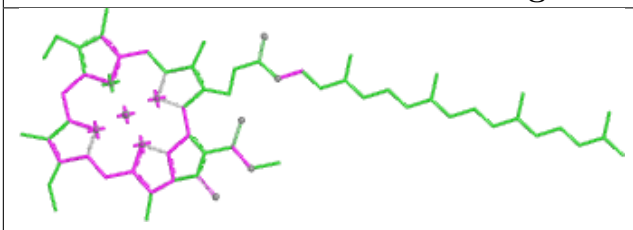


Torsions

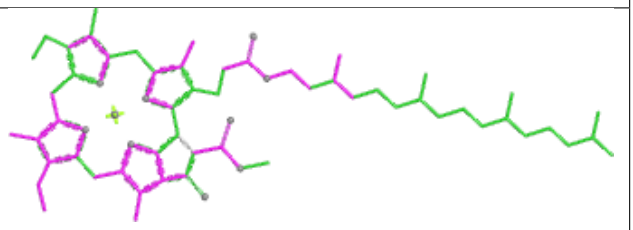


Rings

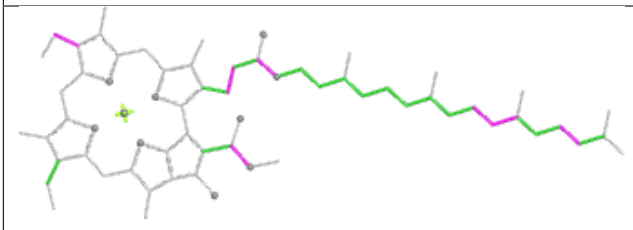
Ligand CLA a 810



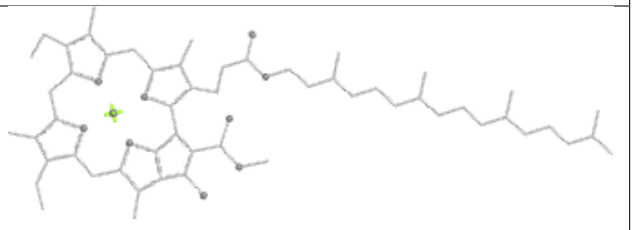
Bond lengths



Bond angles

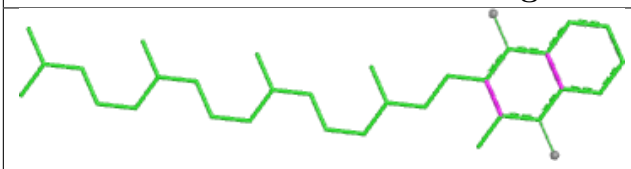


Torsions

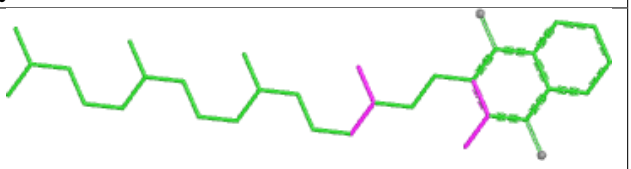


Rings

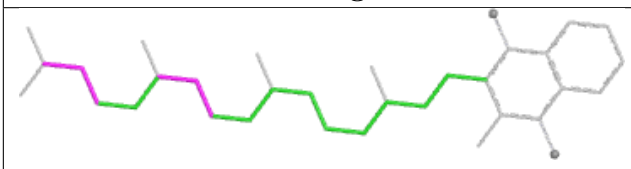
Ligand PQN H 843



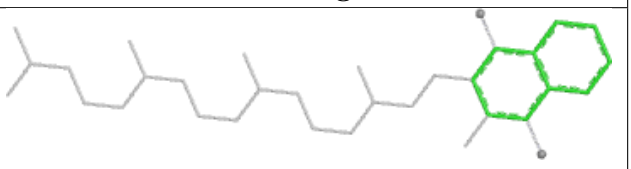
Bond lengths



Bond angles

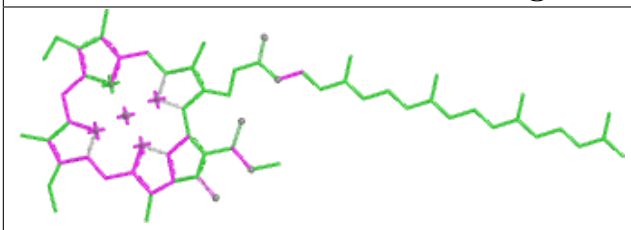


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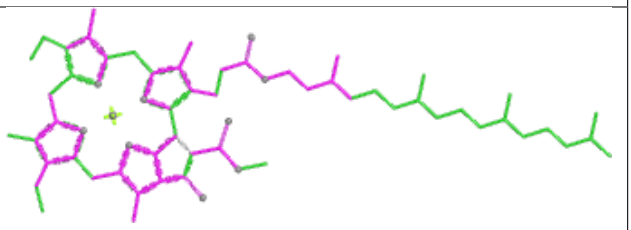


Rings

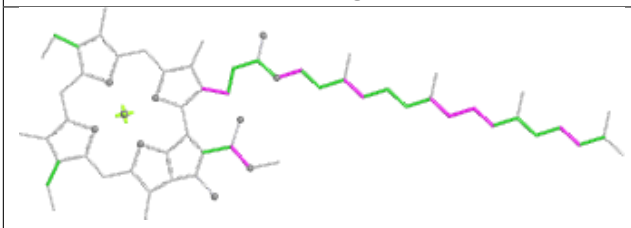
Ligand CLA a 826



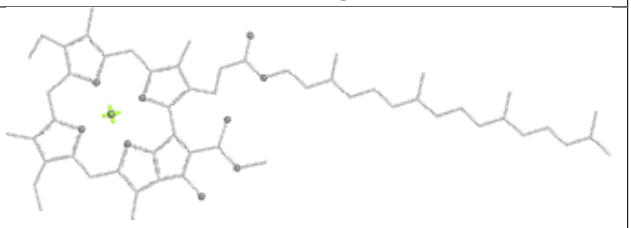
Bond lengths



Bond angles

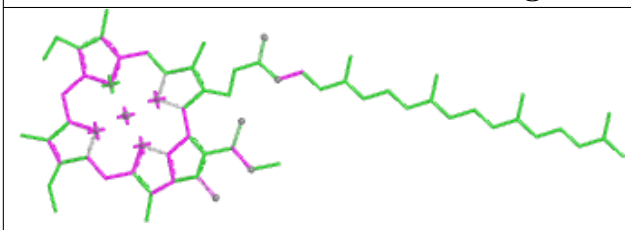


Torsions

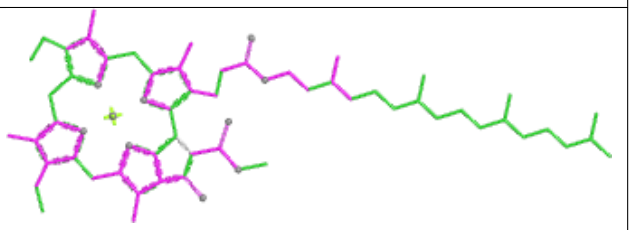


Rings

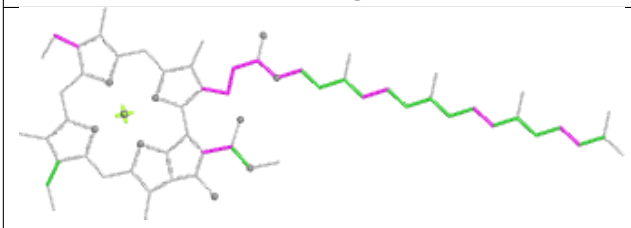
Ligand CLA R 101



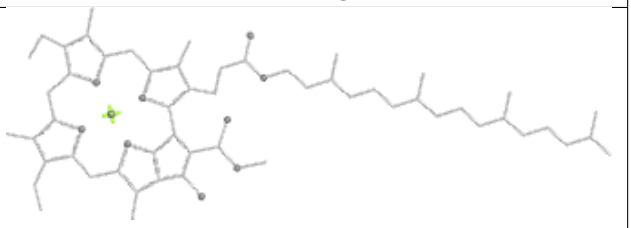
Bond lengths



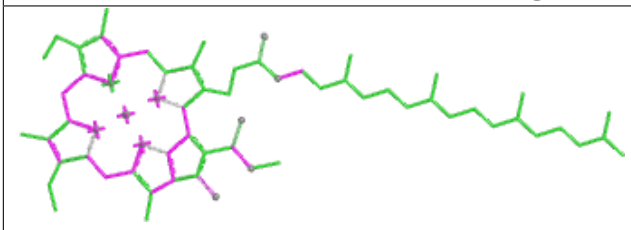
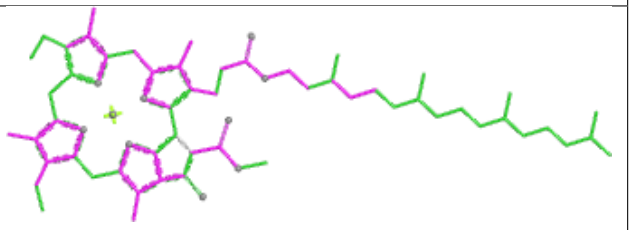
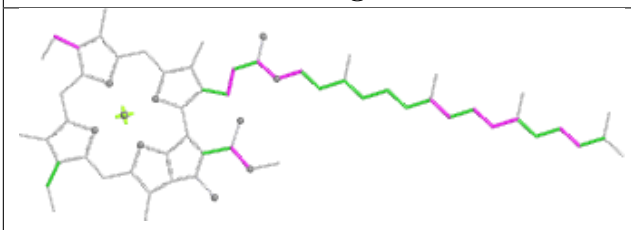
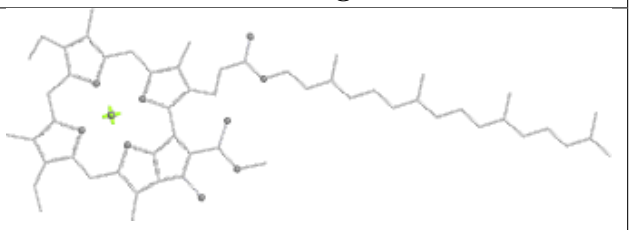
Bond angles



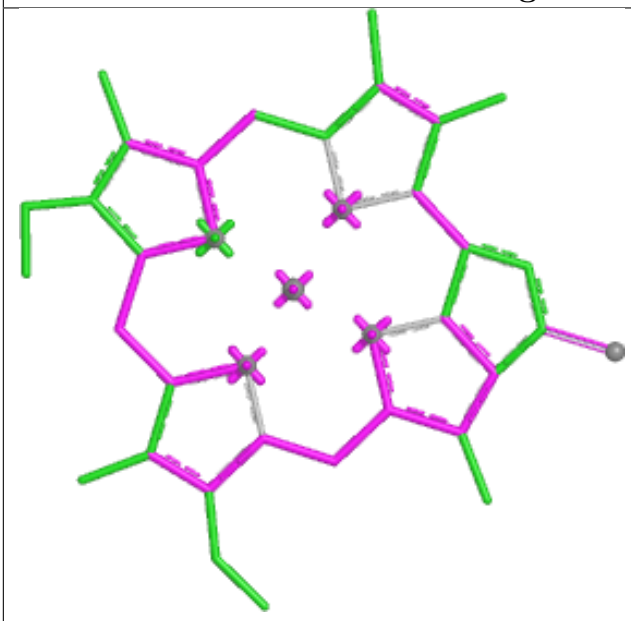
Torsions



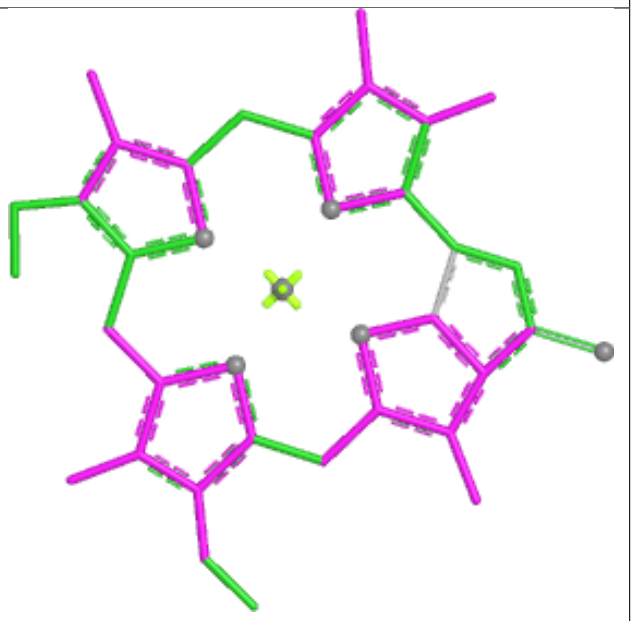
Rings

Ligand CLA a 853	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

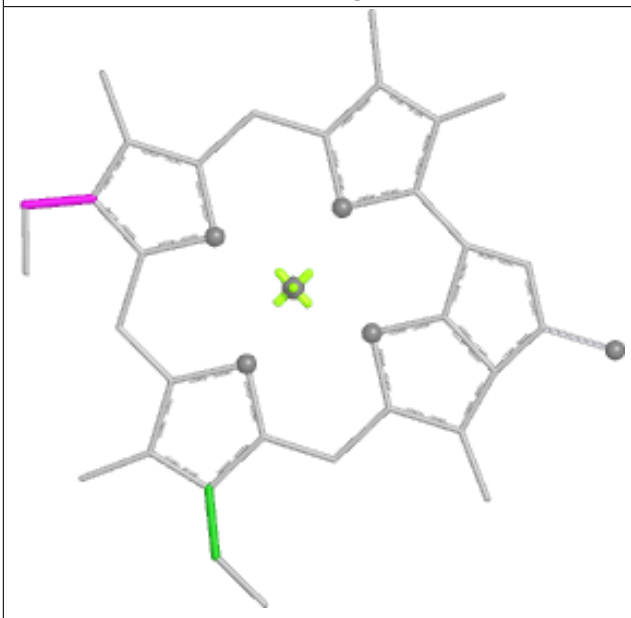
Ligand CLA J 1303



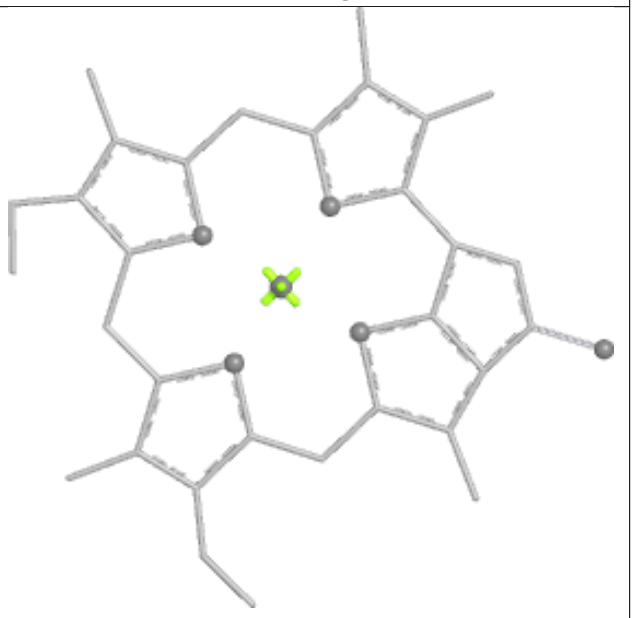
Bond lengths



Bond angles

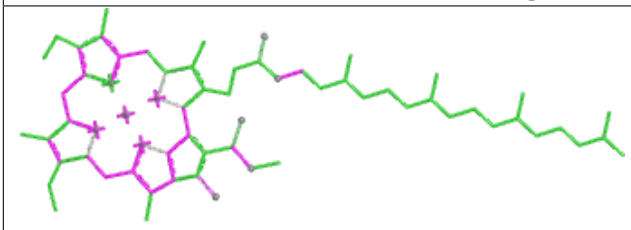


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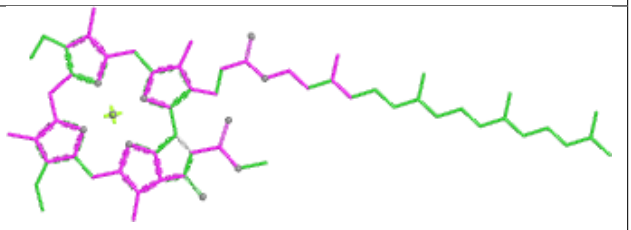


Rings

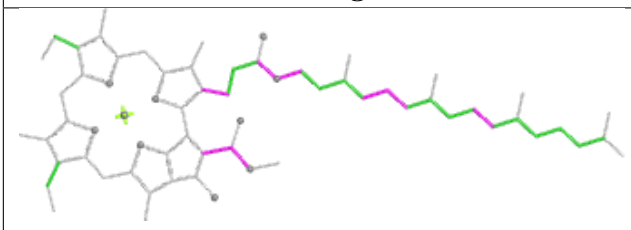
Ligand CLA G 829



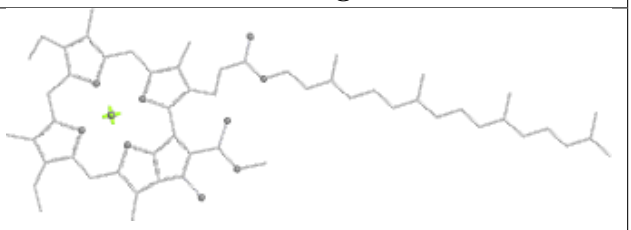
Bond lengths



Bond angles

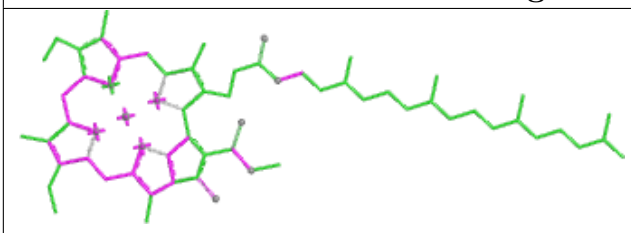


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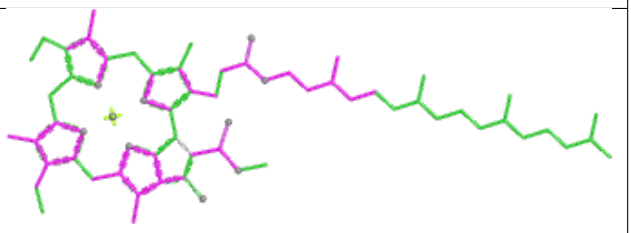


Rings

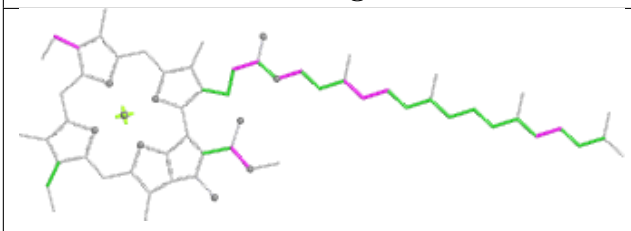
Ligand CLA b 807



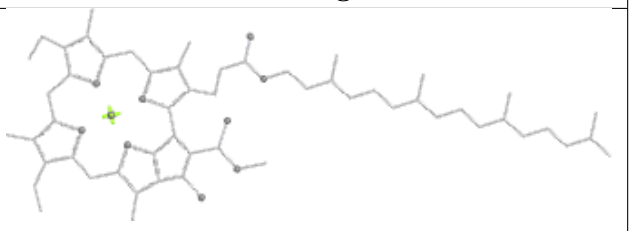
Bond lengths



Bond angles

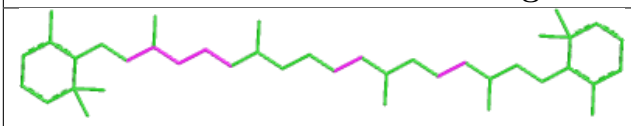


Torsions

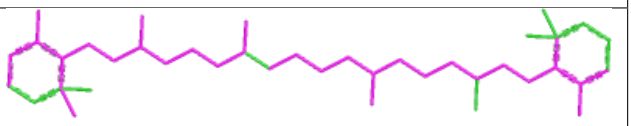


Rings

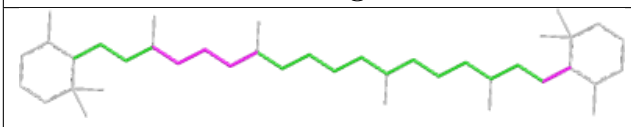
Ligand BCR A 847



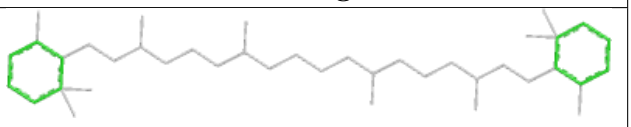
Bond lengths



Bond angles

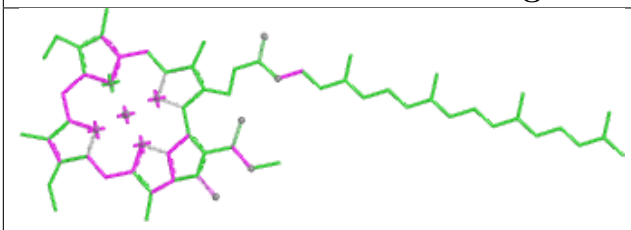


Torsions

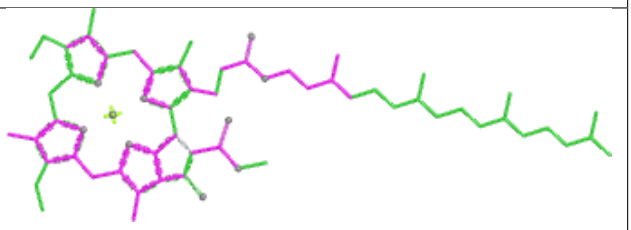


Rings

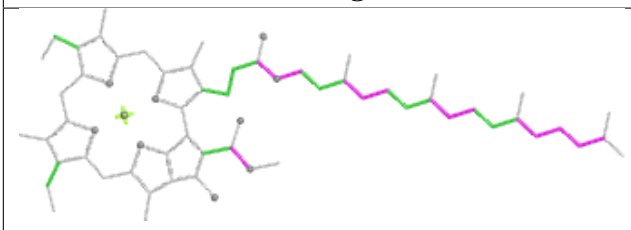
Ligand CLA H 806



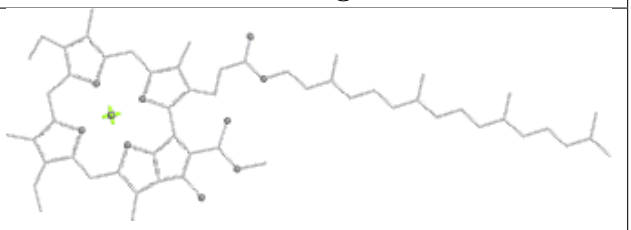
Bond lengths



Bond angles

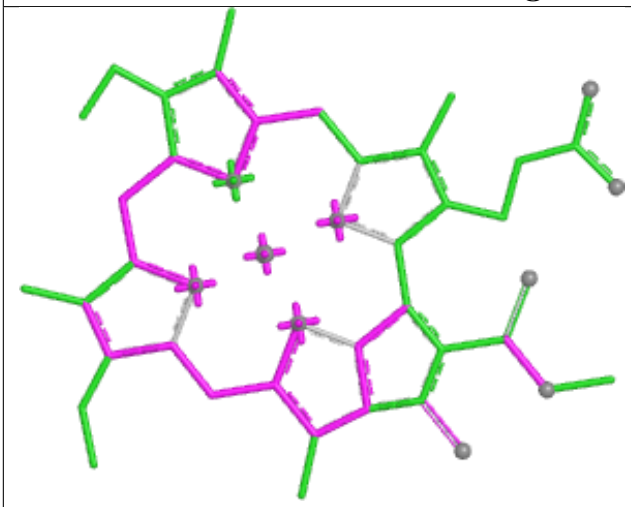


Torsions

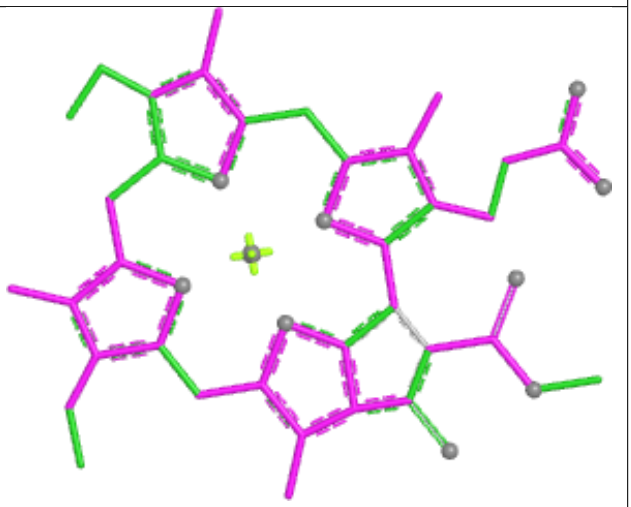


Rings

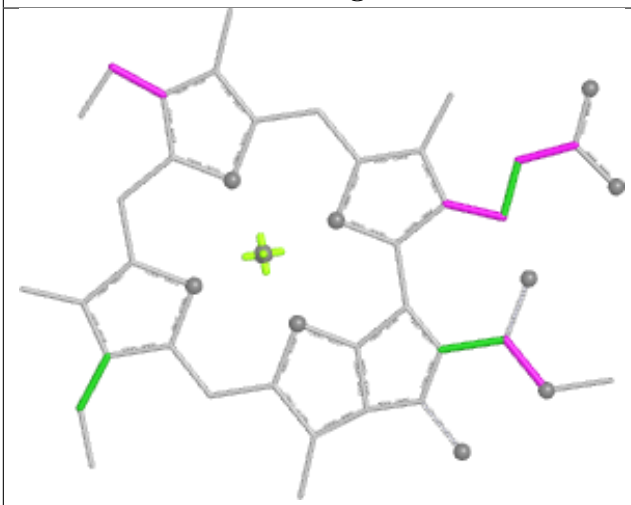
Ligand CLA B 840



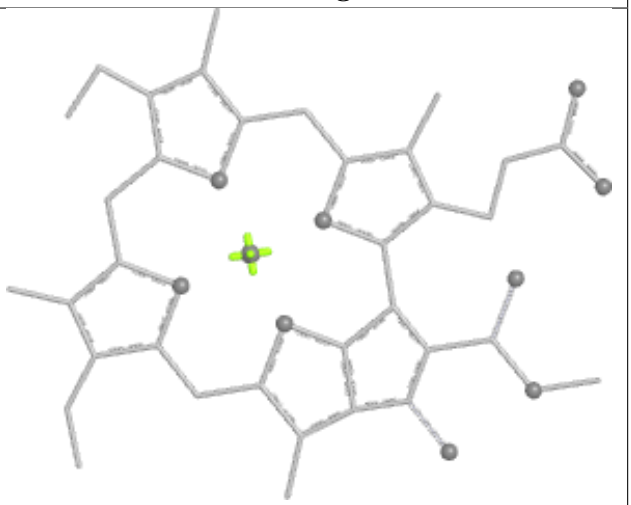
Bond lengths



Bond angles

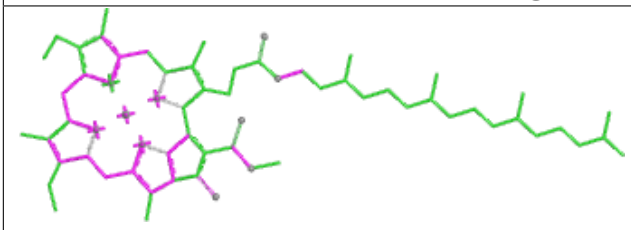


Torsions

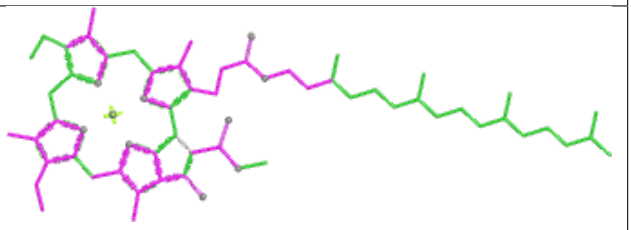


Rings

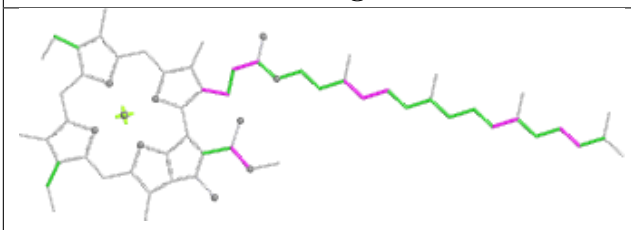
Ligand CLA b 837



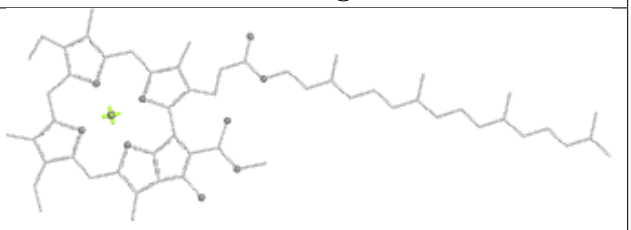
Bond lengths



Bond angles

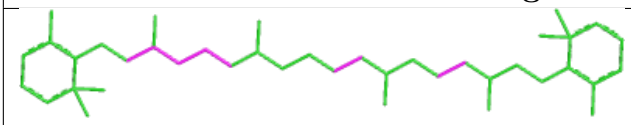


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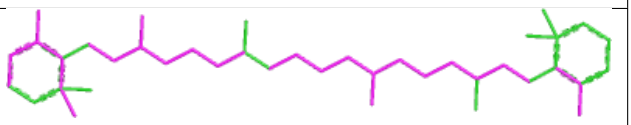


Rings

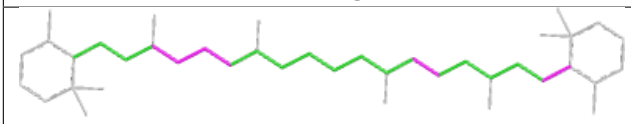
Ligand BCR B 850



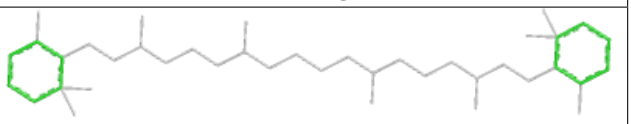
Bond lengths



Bond angles

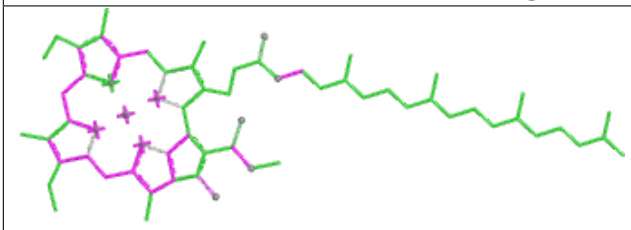


Torsions

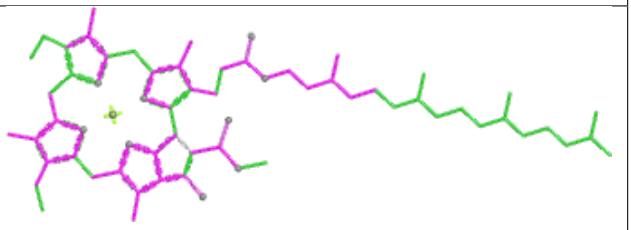


Rings

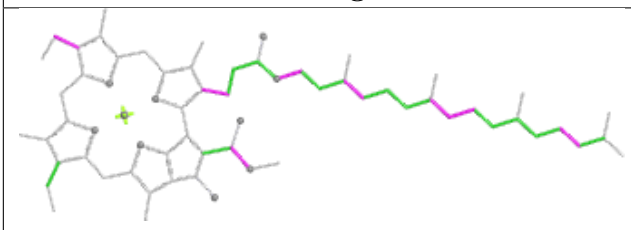
Ligand CLA G 826



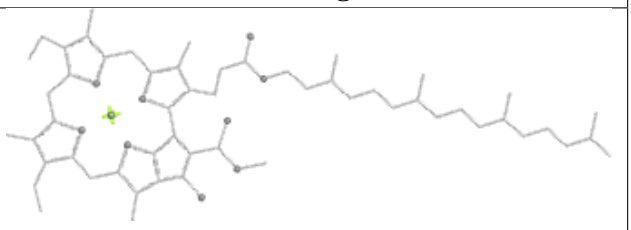
Bond lengths



Bond angles

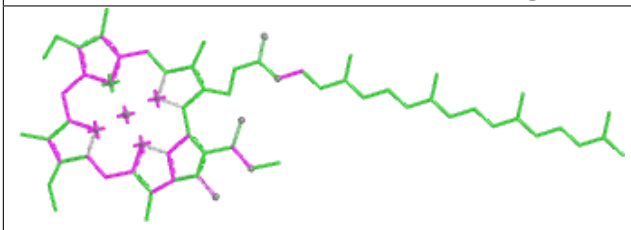


Torsions

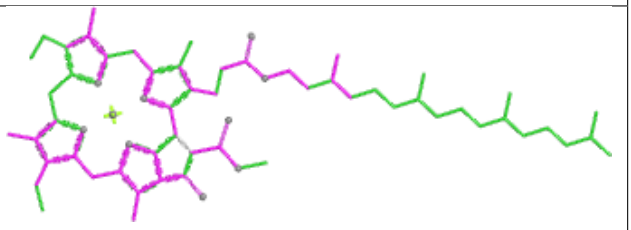


Rings

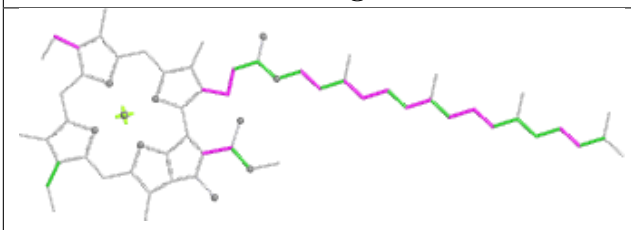
Ligand CLA A 852



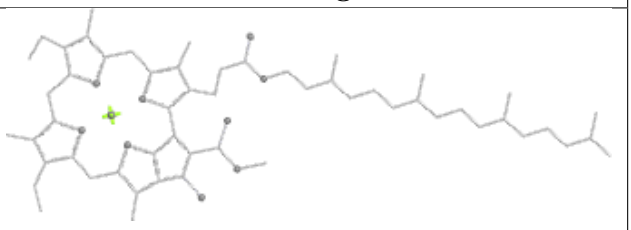
Bond lengths



Bond angles

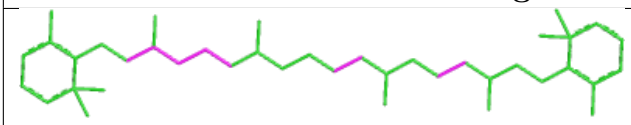


Torsions

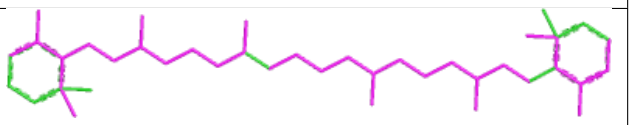


Rings

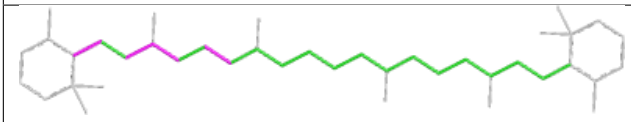
Ligand BCR V 1602



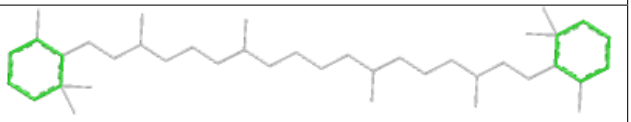
Bond lengths



Bond angles

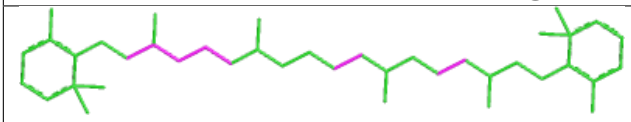


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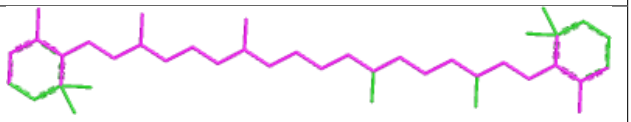


Rings

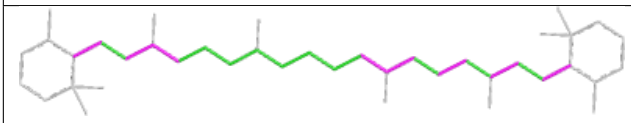
Ligand BCR a 849



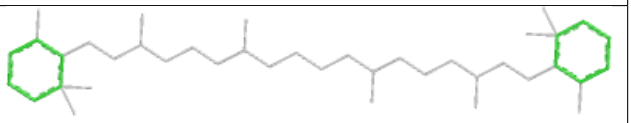
Bond lengths



Bond angles

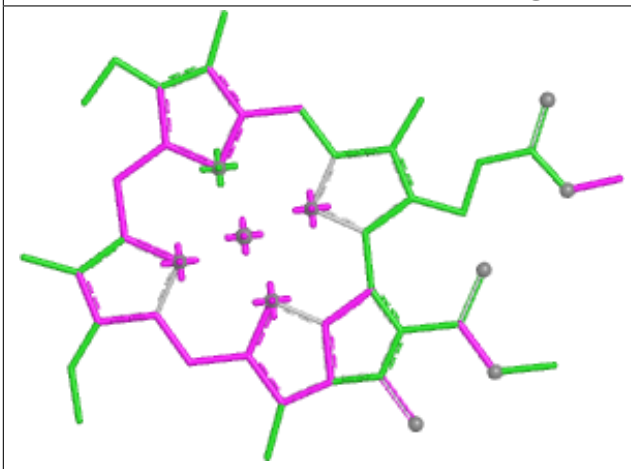


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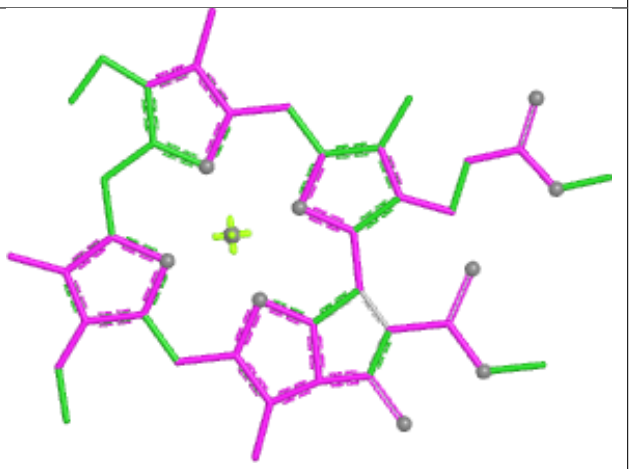


Rings

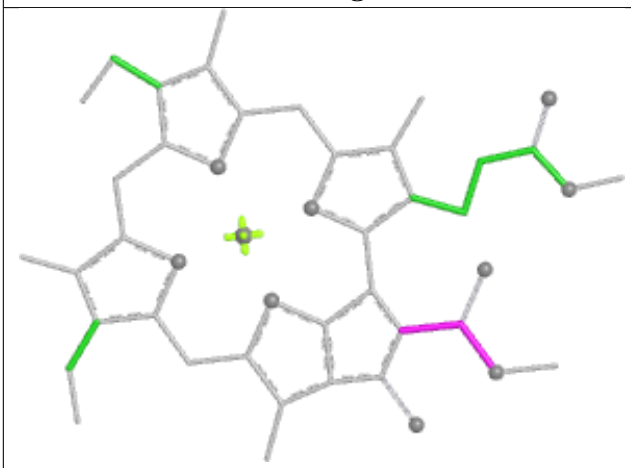
Ligand CLA b 824



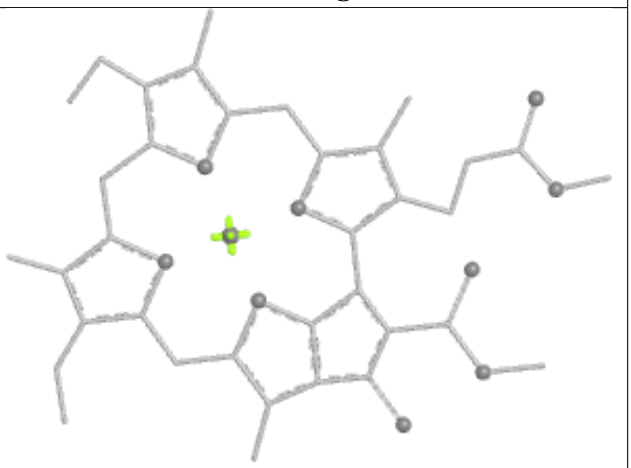
Bond lengths



Bond angles

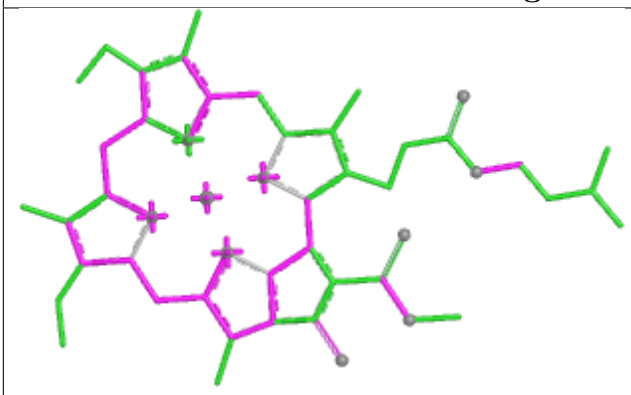


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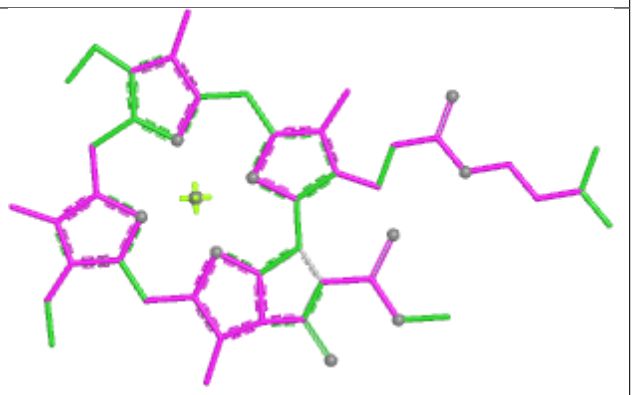


Rings

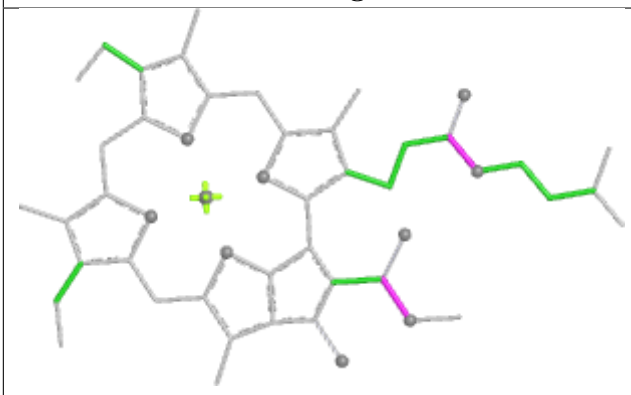
Ligand CLA A 838



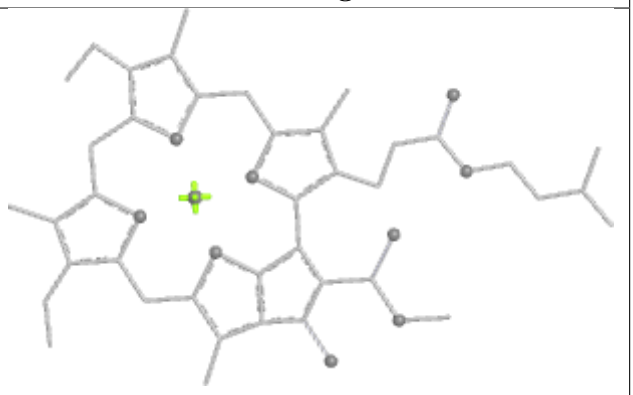
Bond lengths



Bond angles

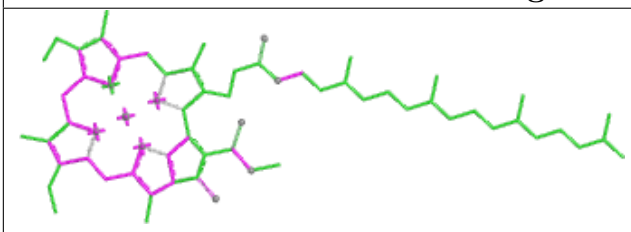


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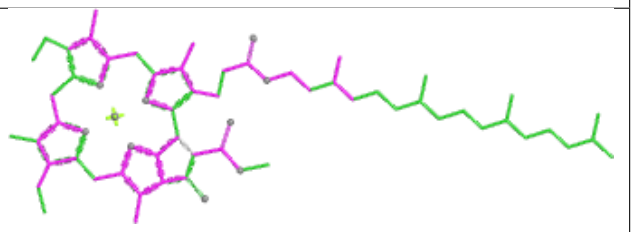


Rings

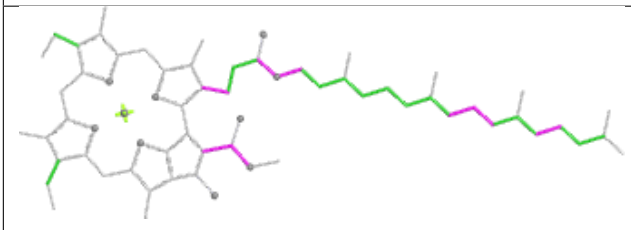
Ligand CLA b 828



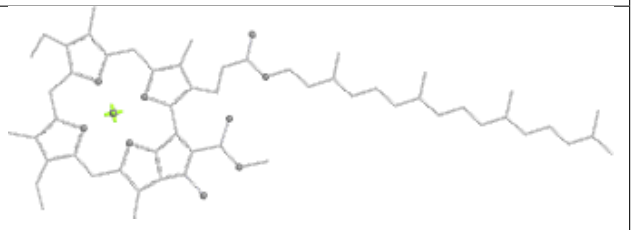
Bond lengths



Bond angles

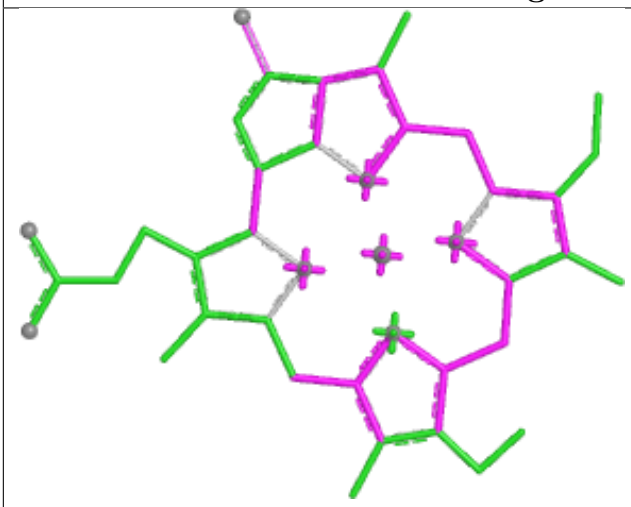


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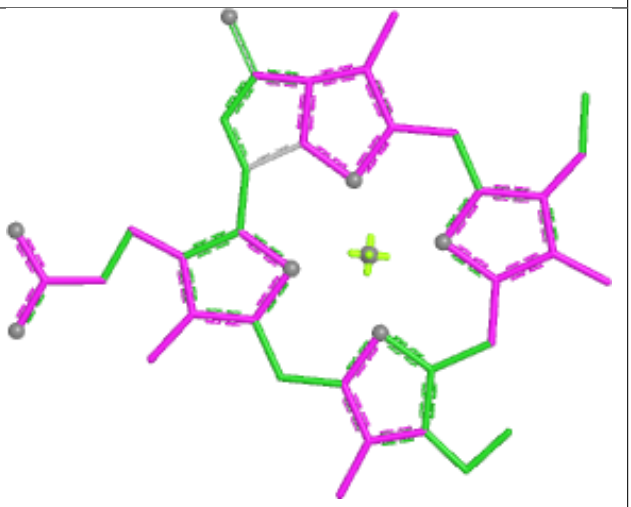


Rings

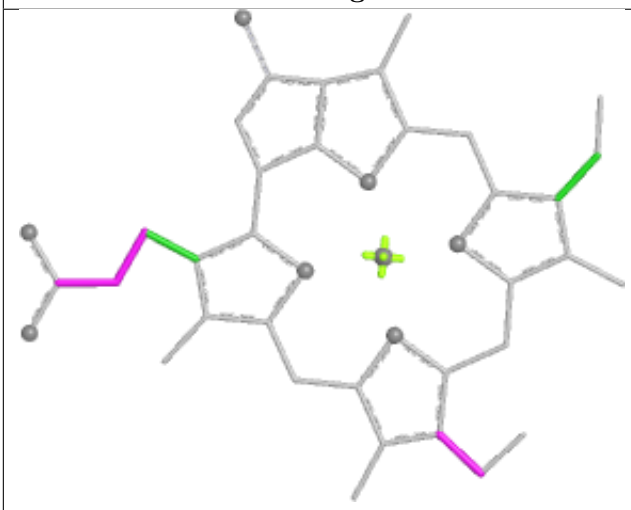
Ligand CLA k 101



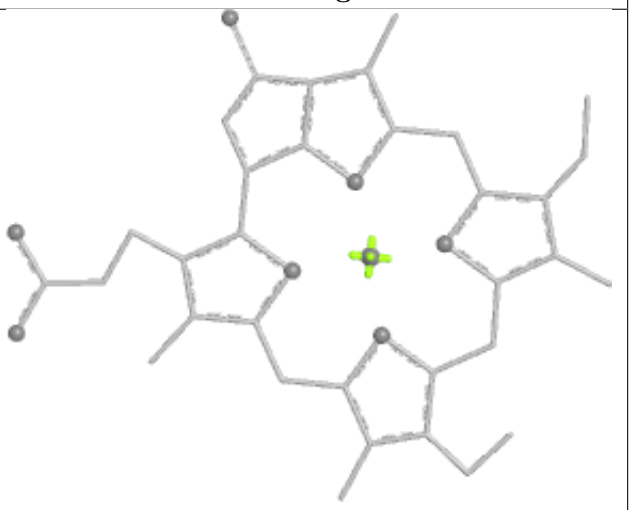
Bond lengths



Bond angles

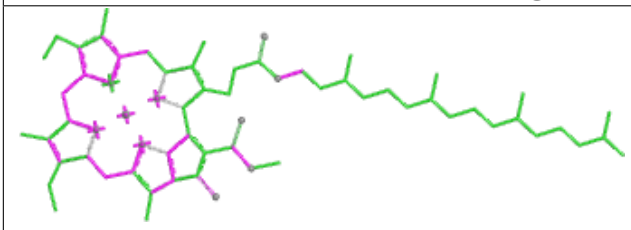


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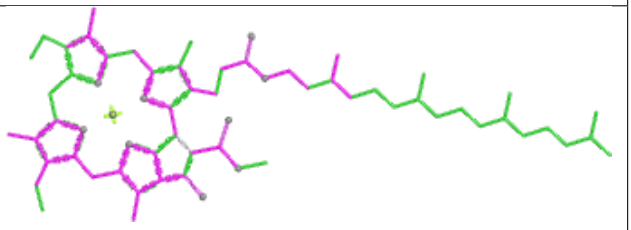


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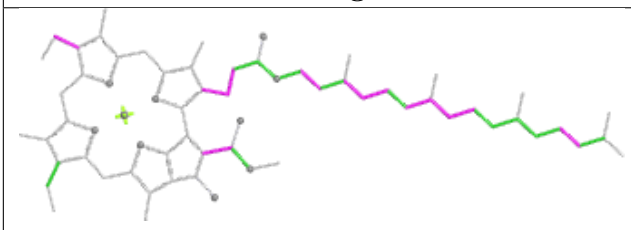
Ligand CLA a 852



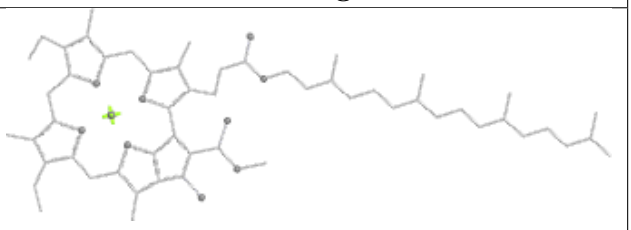
Bond lengths



Bond angles

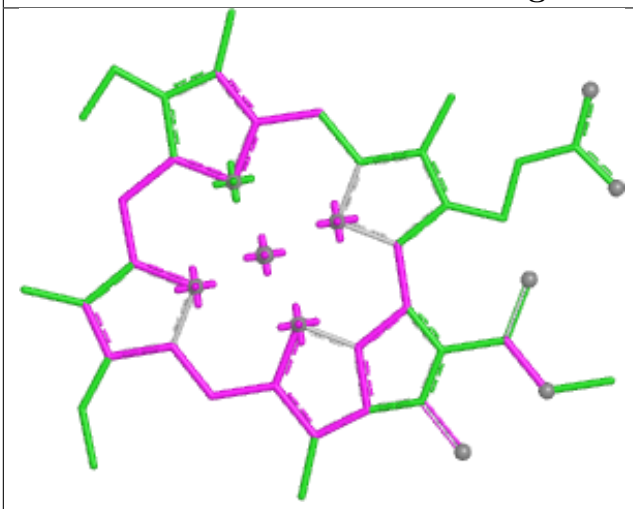


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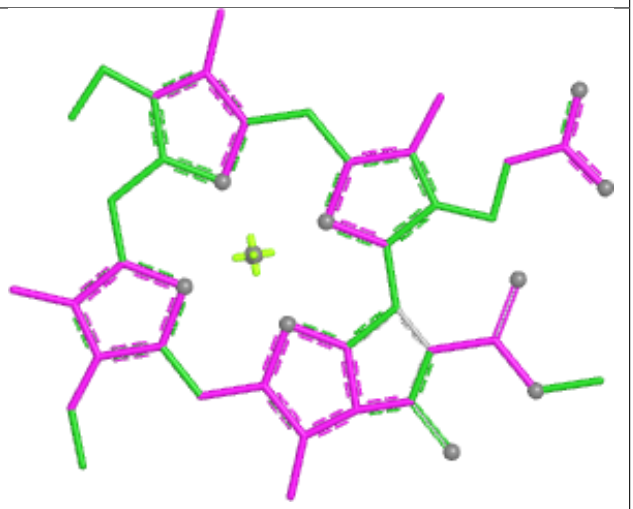


Rings

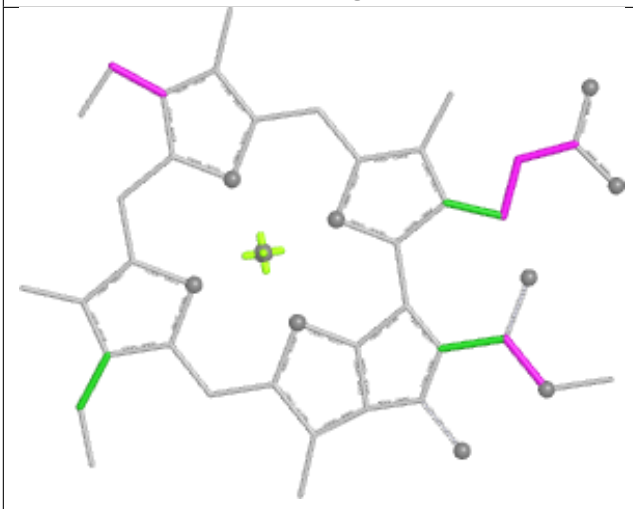
Ligand CLA a 834



Bond lengths



Bond angles

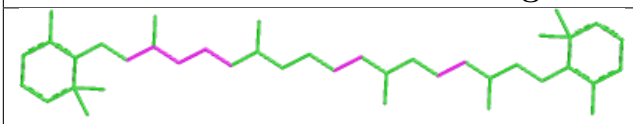


Torsions

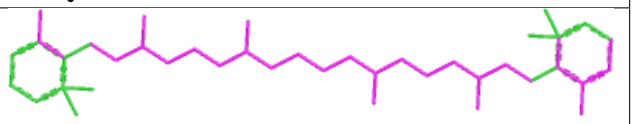


Rings

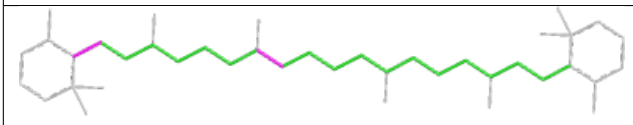
Ligand BCR Q 203



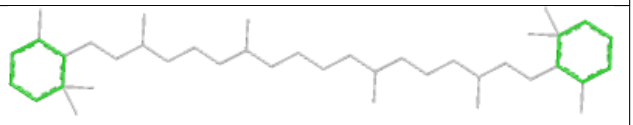
Bond lengths



Bond angles

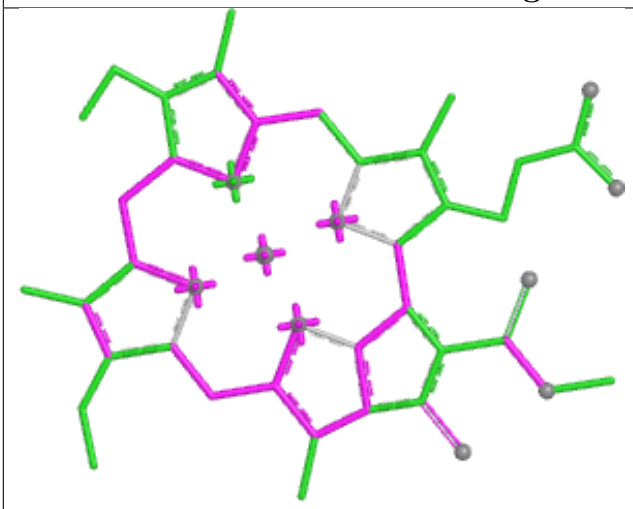


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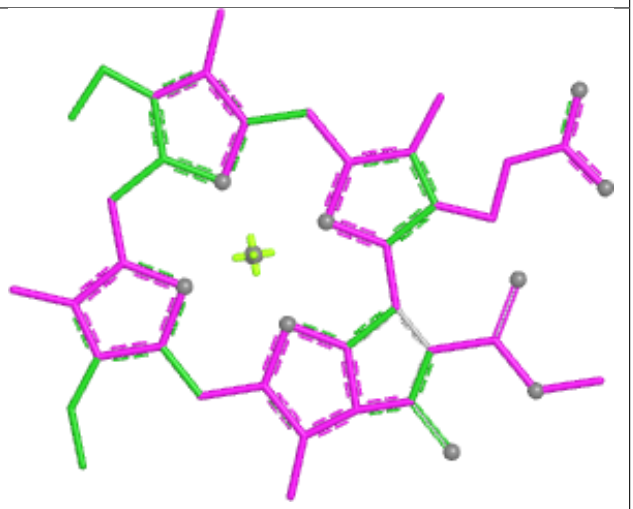


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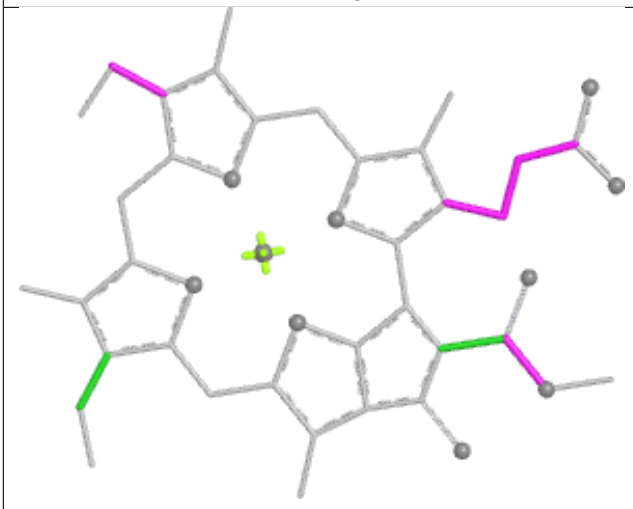
Ligand CLA G 809



Bond lengths



Bond angles

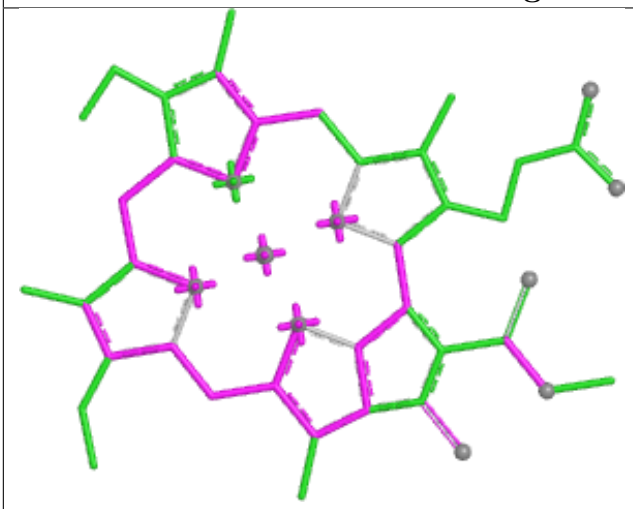


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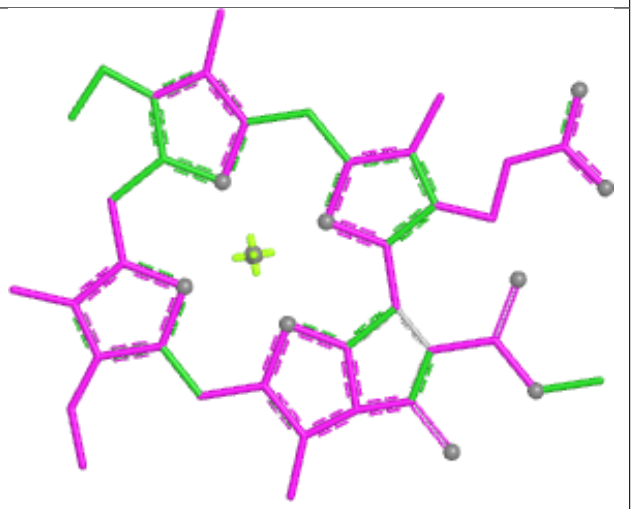


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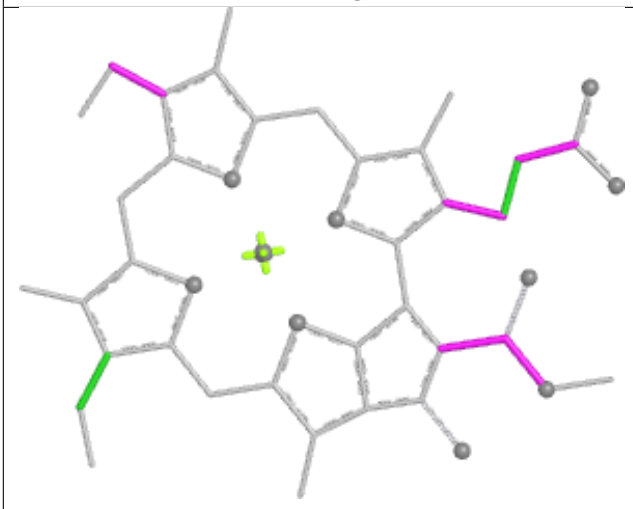
Ligand CLA A 821



Bond lengths



Bond angles

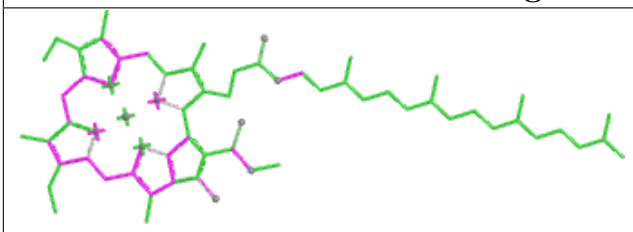


Torsions

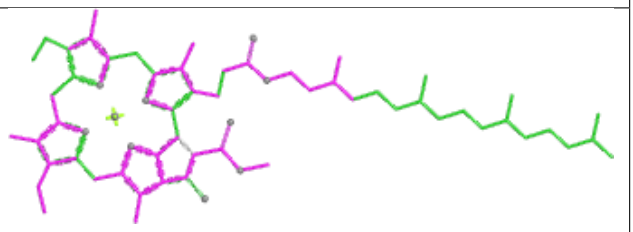


Rings

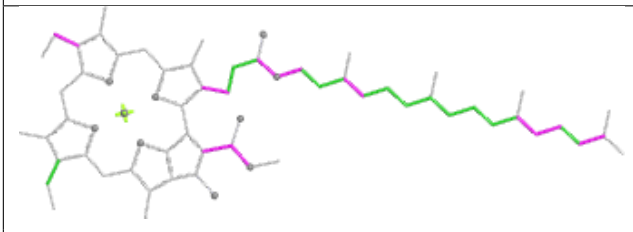
Ligand CLA B 816



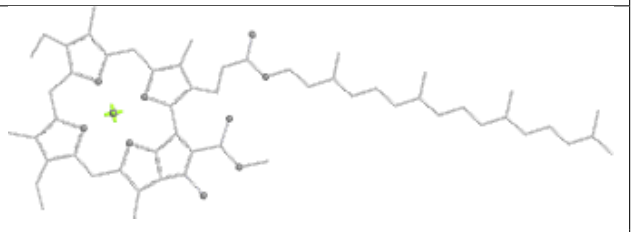
Bond lengths



Bond angles

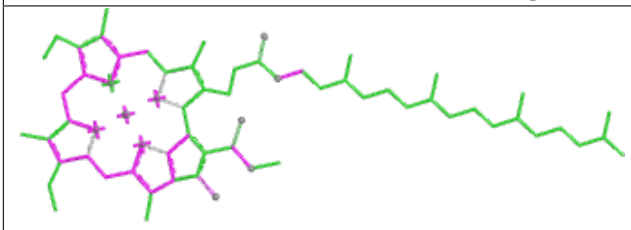


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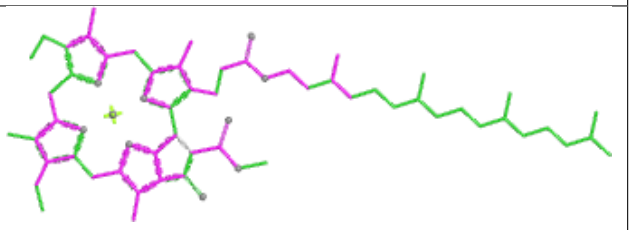


Rings

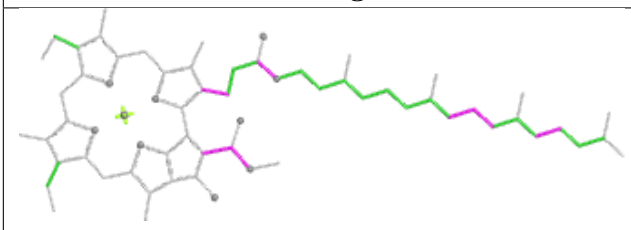
Ligand CLA B 831



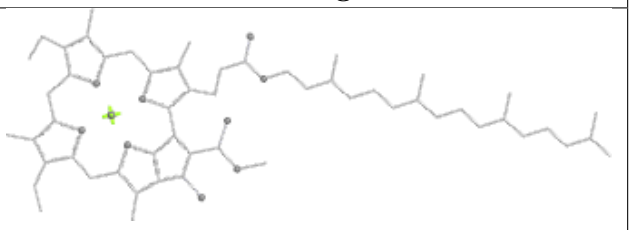
Bond lengths



Bond angles

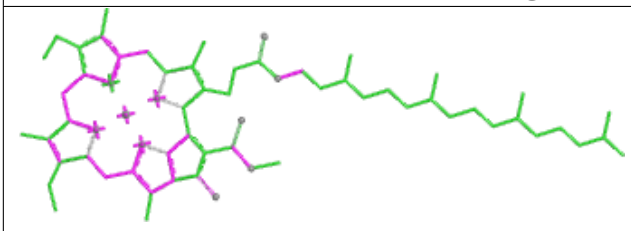


Torsions

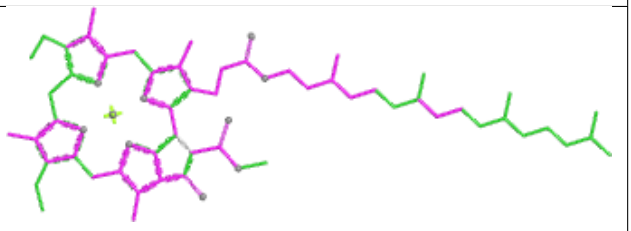


Rings

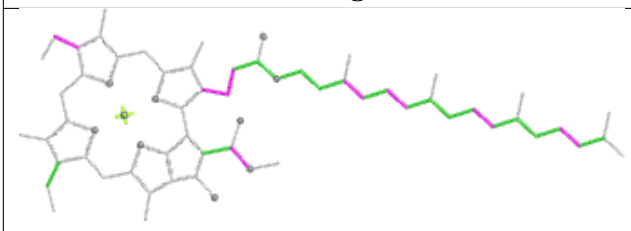
Ligand CLA H 802



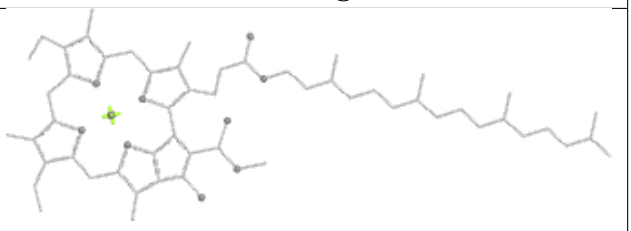
Bond lengths



Bond angles

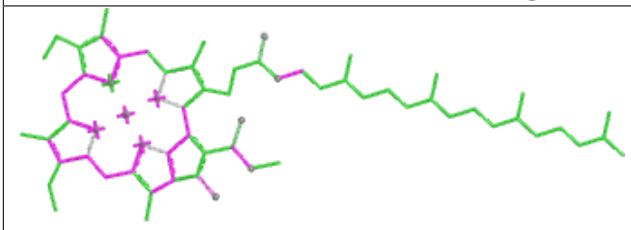


Torsions

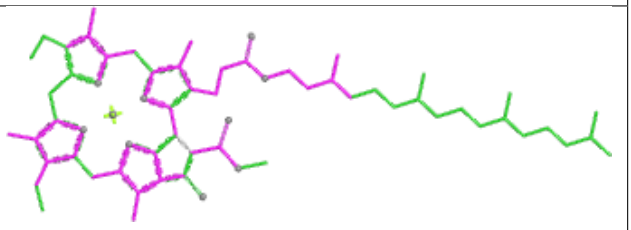


Rings

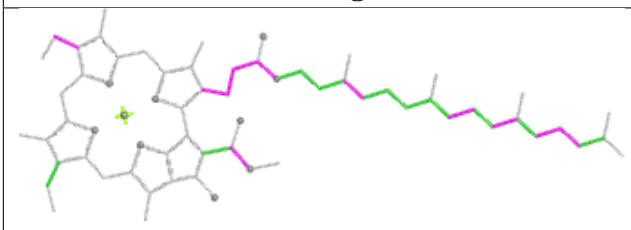
Ligand CLA H 829



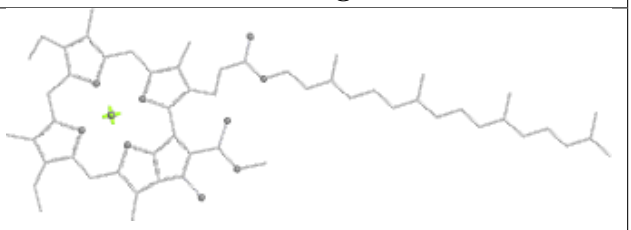
Bond lengths



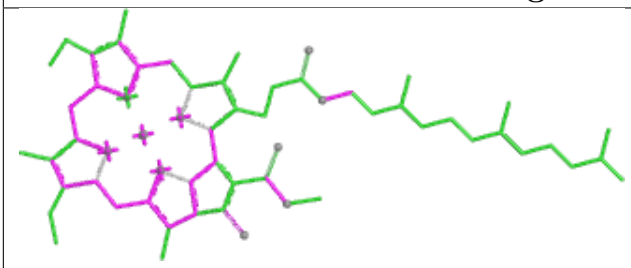
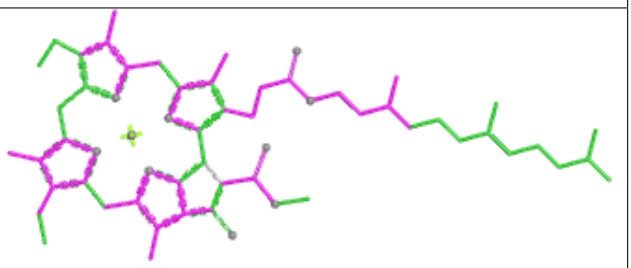
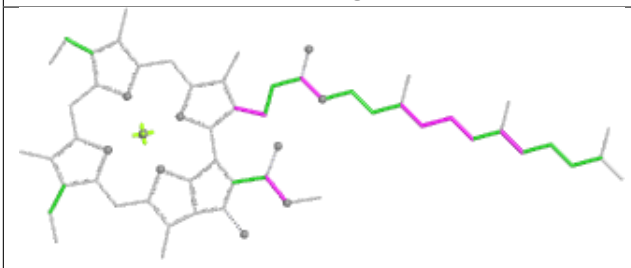
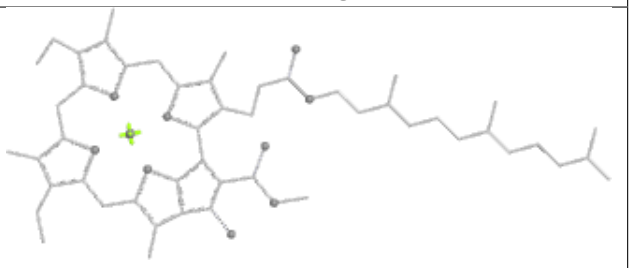
Bond angles

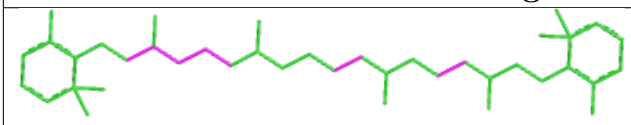
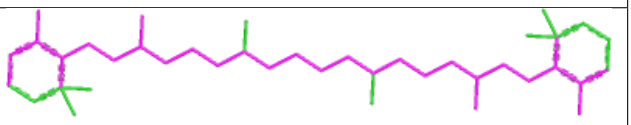
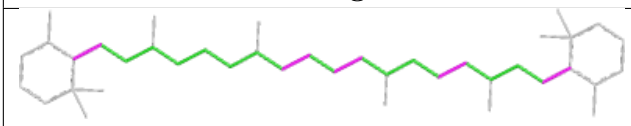
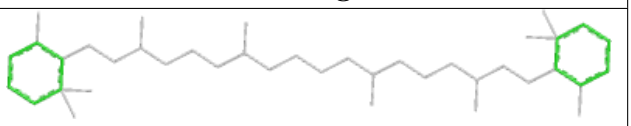


Torsions

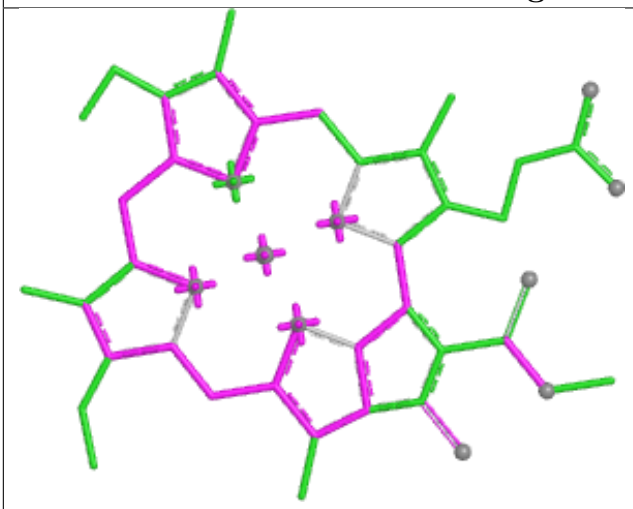


Rings

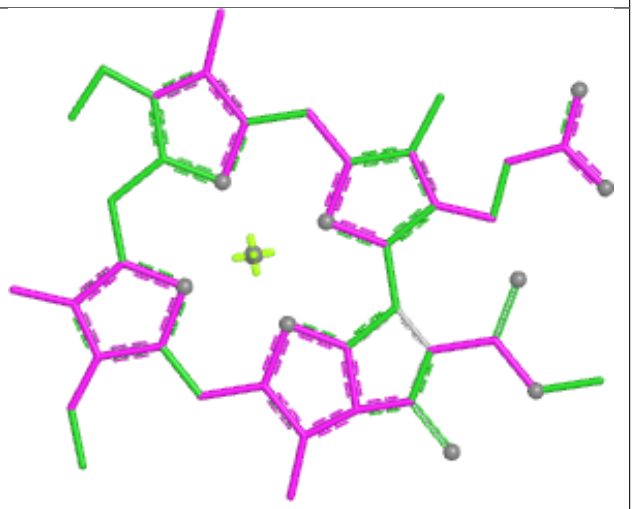
Ligand CLA b 817	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand BCR B 847	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

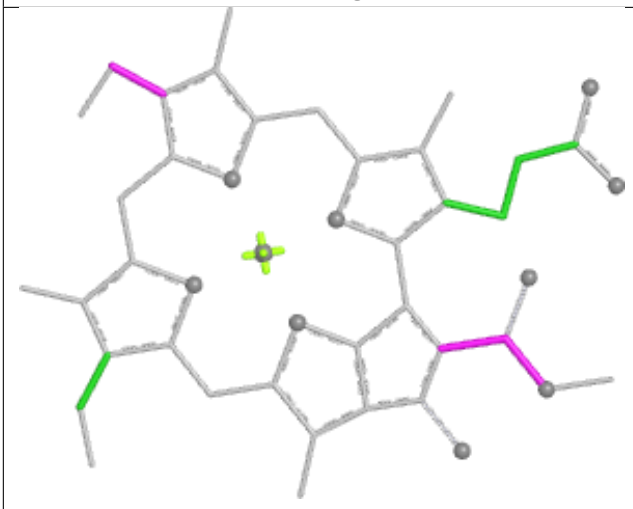
Ligand CLA b 833



Bond lengths



Bond angles

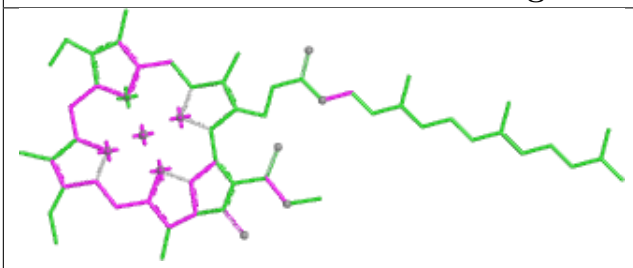


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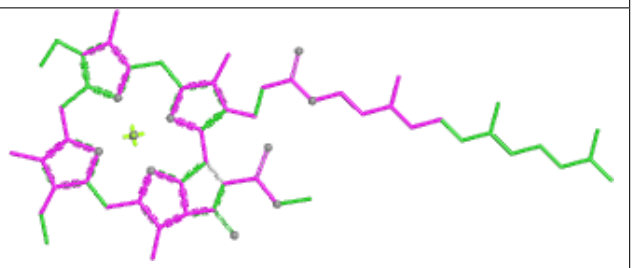


Rings

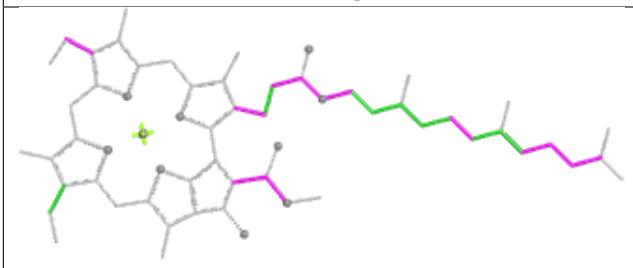
Ligand CLA b 836



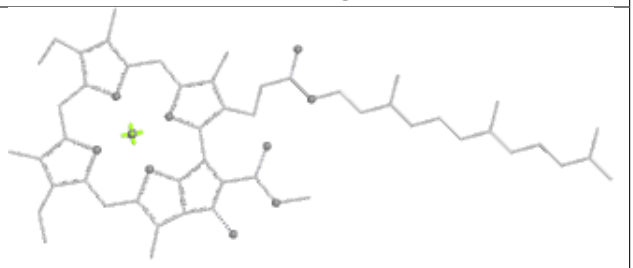
Bond lengths



Bond angles

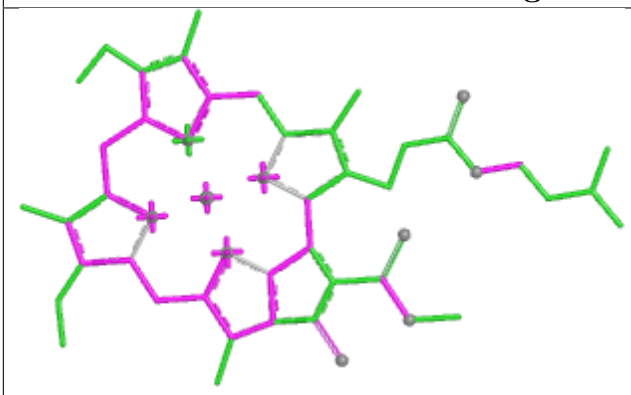


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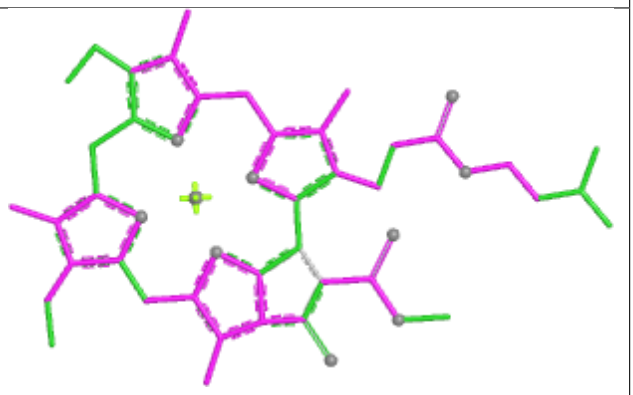


Rings

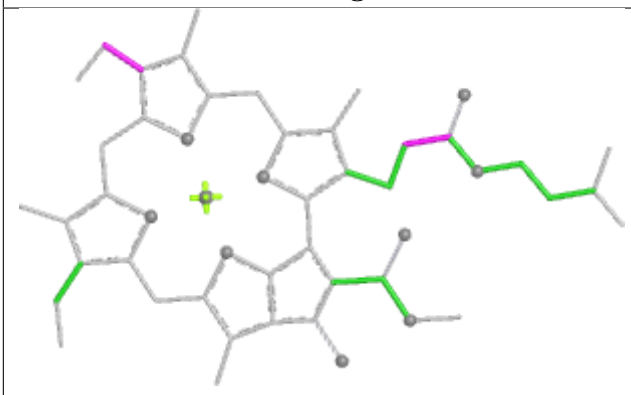
Ligand CLA A 816



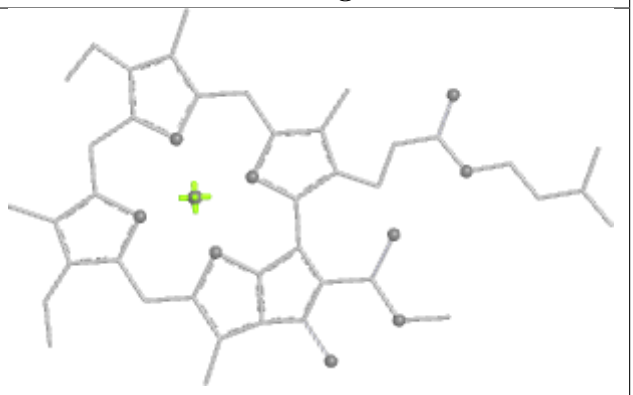
Bond lengths



Bond angles

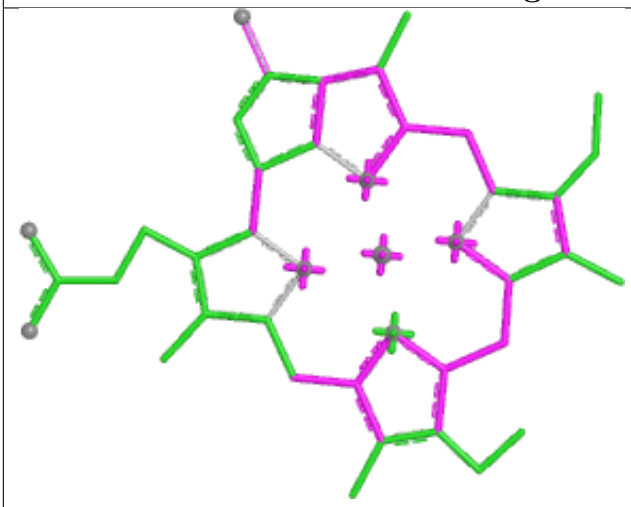


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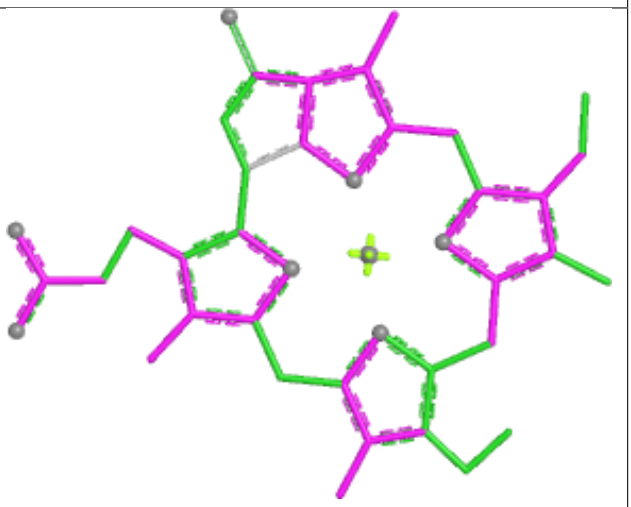


Rings

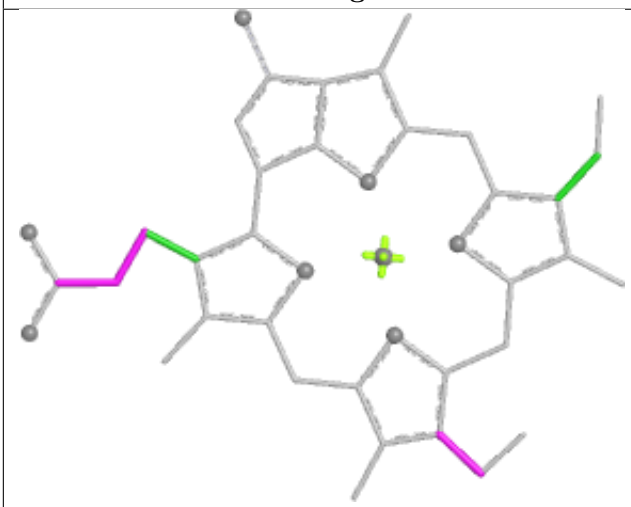
Ligand CLA A 841



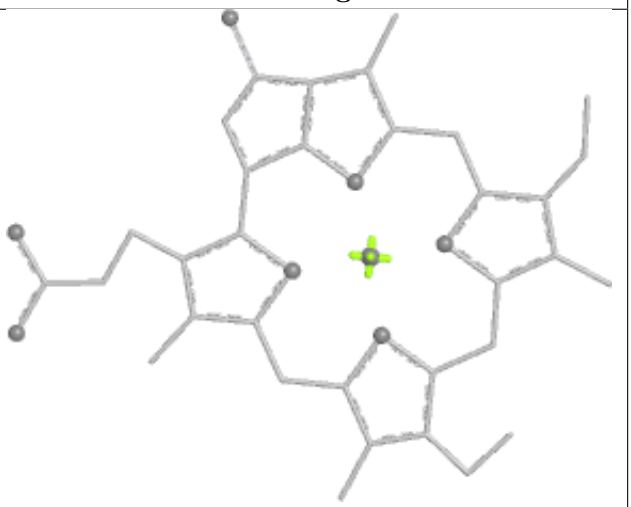
Bond lengths



Bond angles

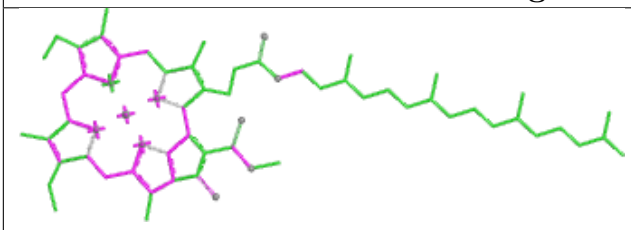


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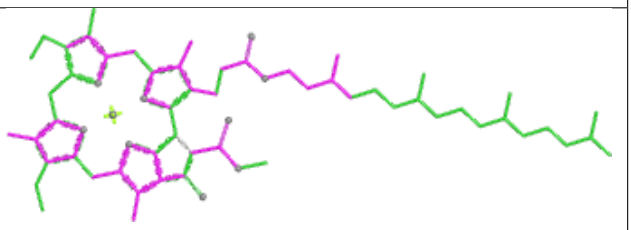


Rings

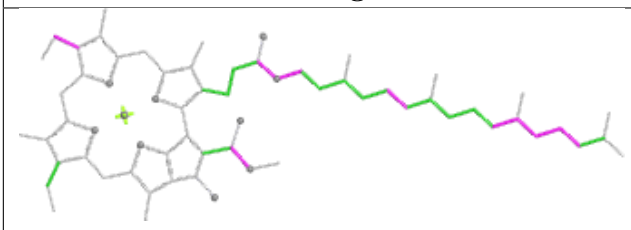
Ligand CLA a 825



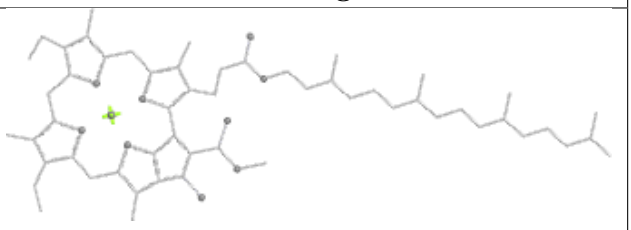
Bond lengths



Bond angles

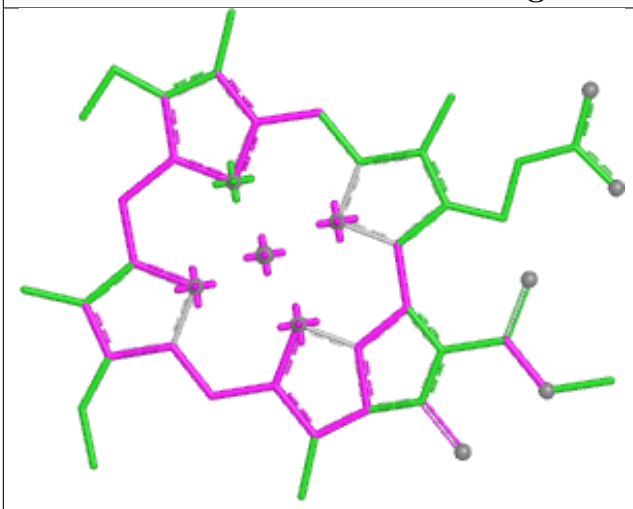


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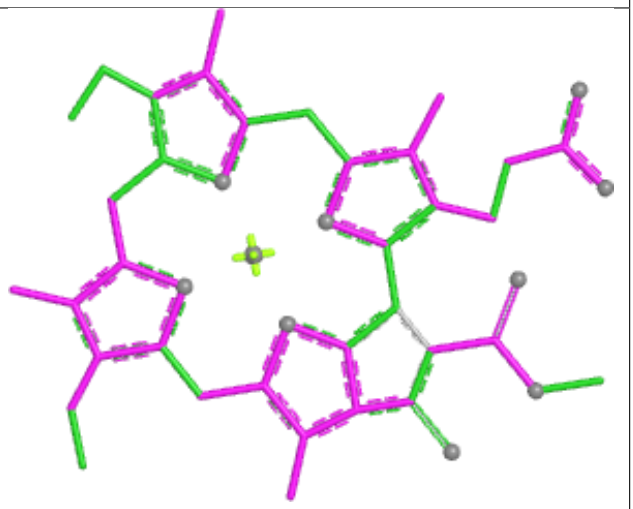


Rings

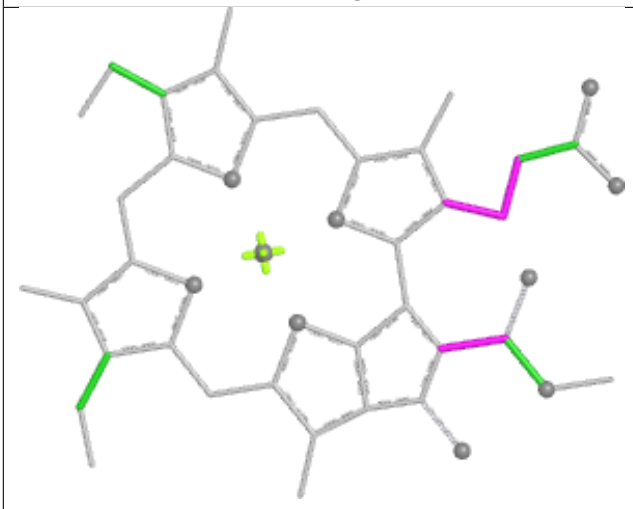
Ligand CLA S 101



Bond lengths



Bond angles

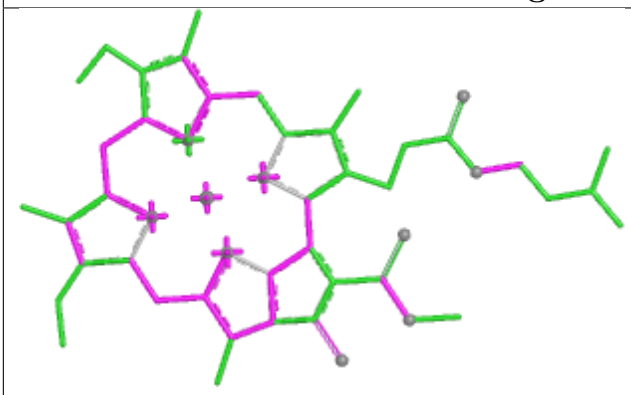


Torsions

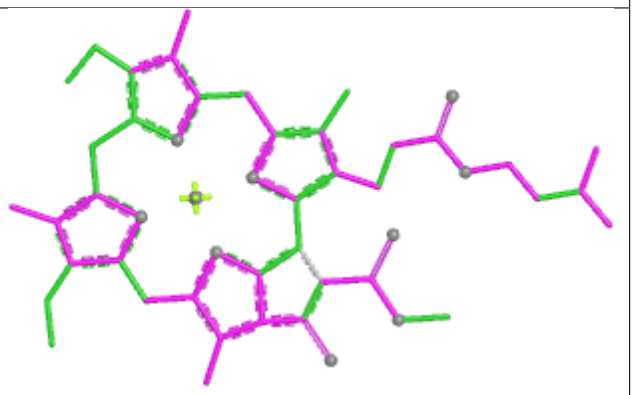


Rings

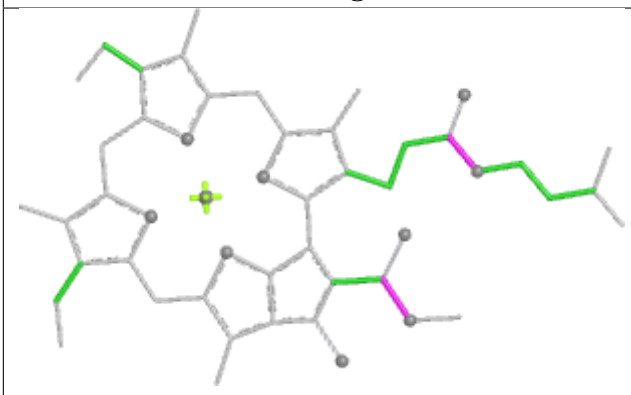
Ligand CLA a 833



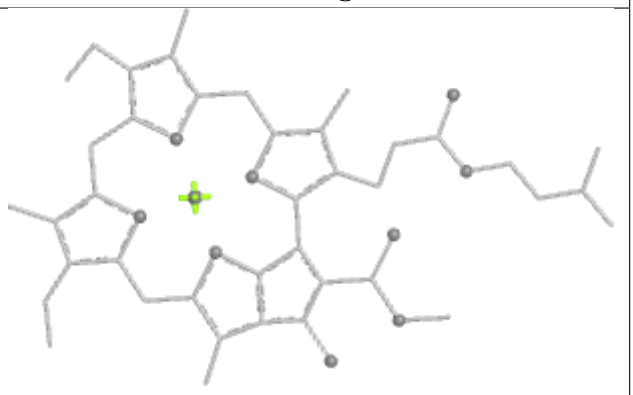
Bond lengths



Bond angles

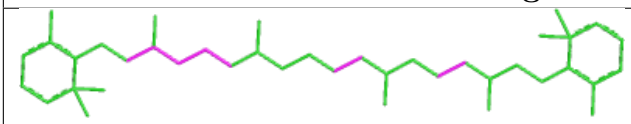


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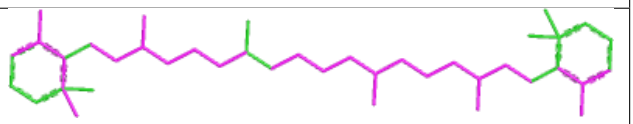


Rings

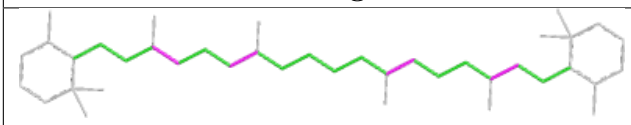
Ligand BCR B 845



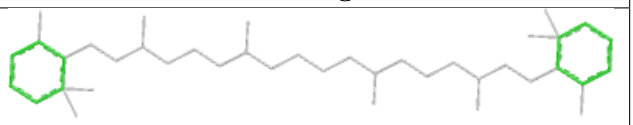
Bond lengths



Bond angles

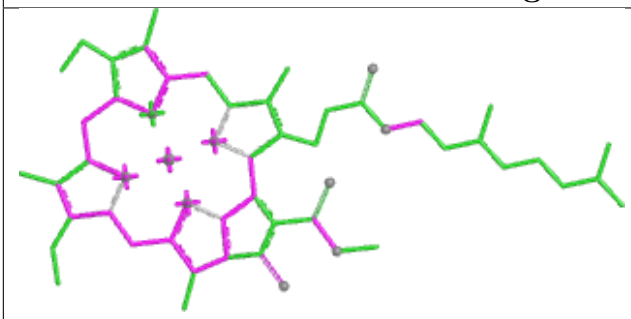


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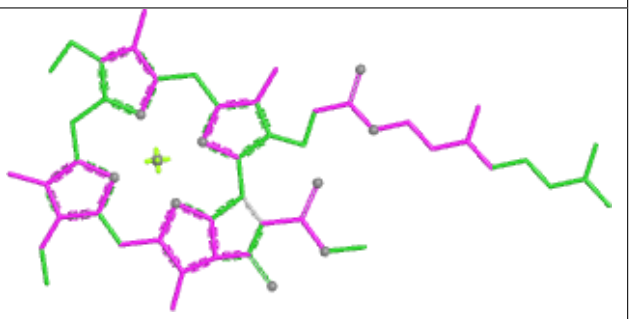


Rings

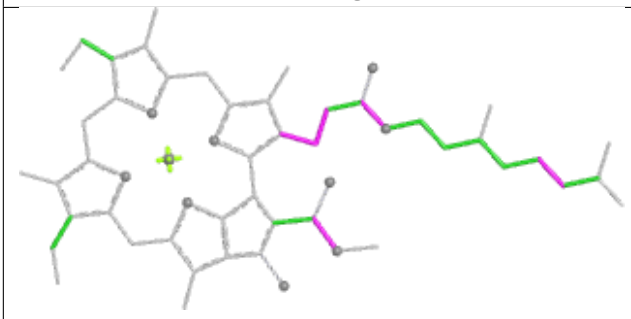
Ligand CLA H 818



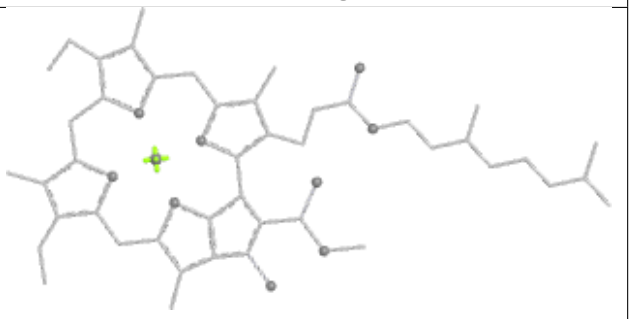
Bond lengths



Bond angles

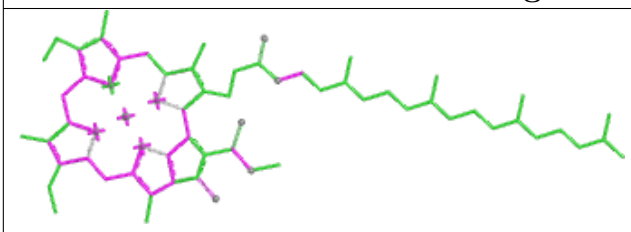


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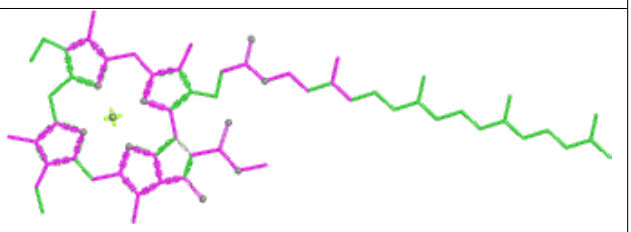


Rings

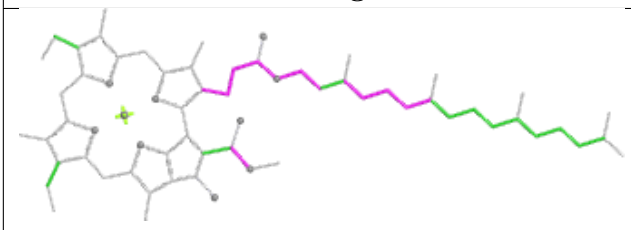
Ligand CLA A 827



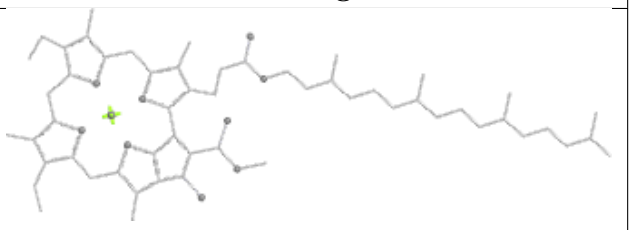
Bond lengths



Bond angles

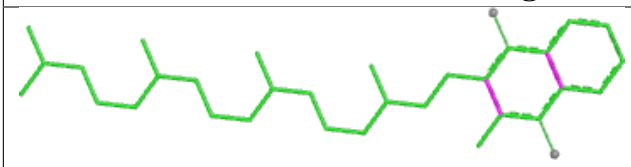


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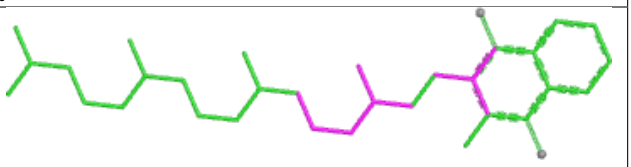


Rings

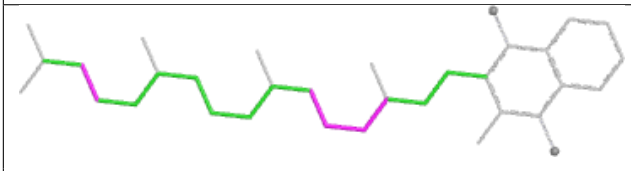
Ligand PQN G 842



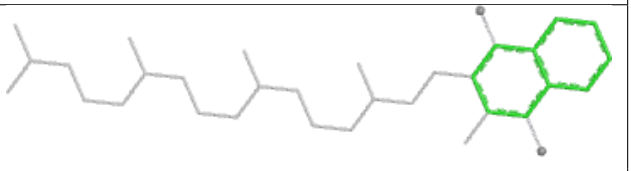
Bond lengths



Bond angles

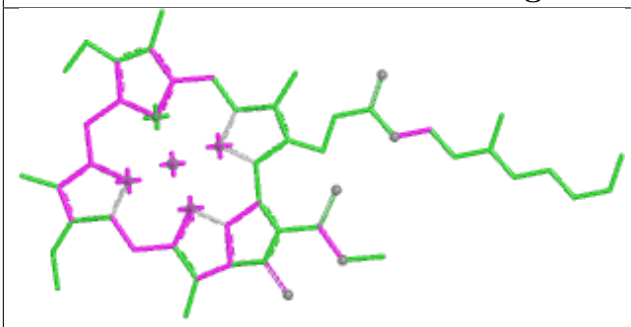


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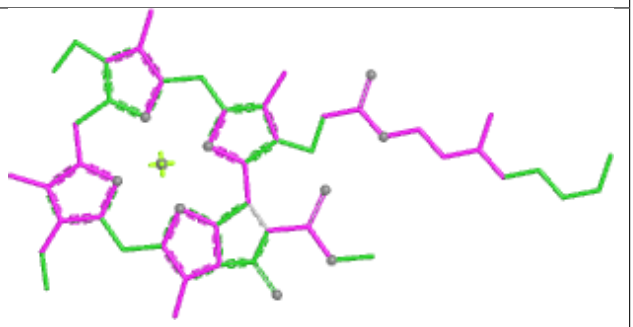


Rings

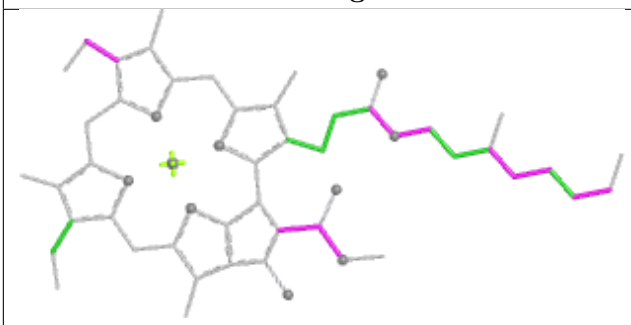
Ligand CLA B 826



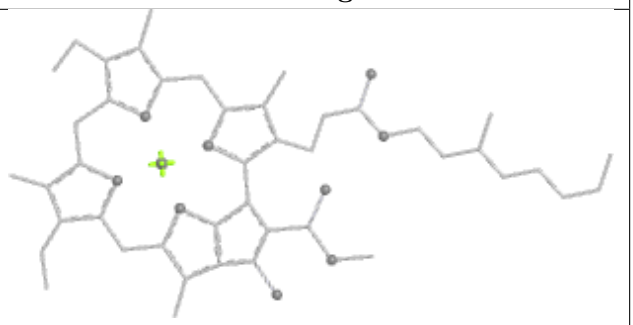
Bond lengths



Bond angles

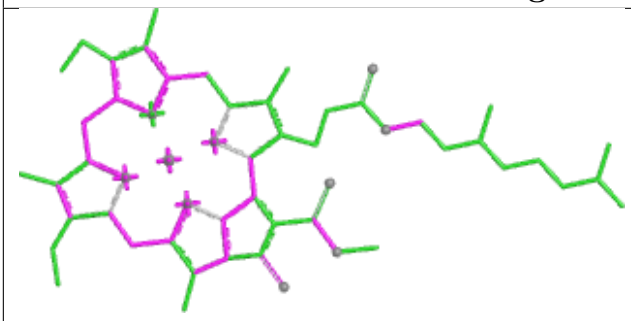


Torsions

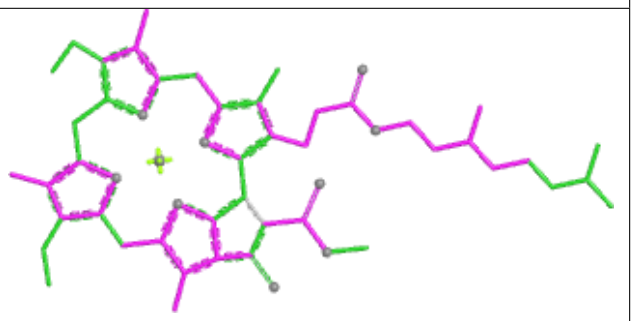


Rings

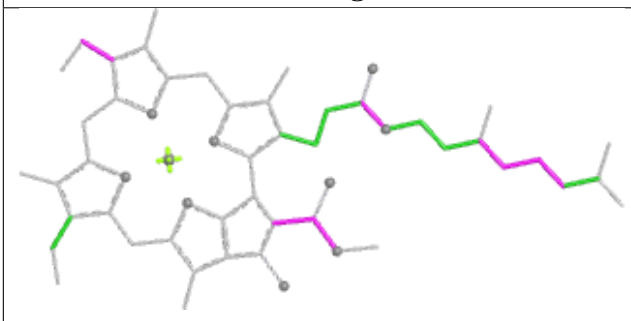
Ligand CLA a 803



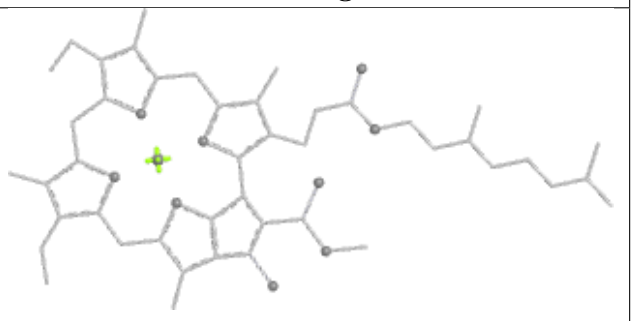
Bond lengths



Bond angles

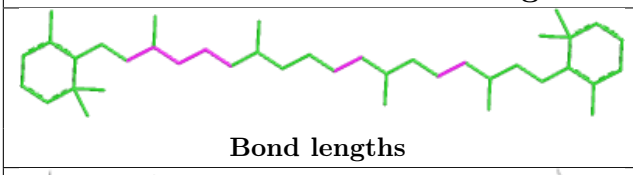


Torsions

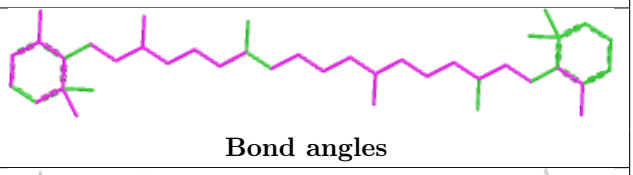


Rings

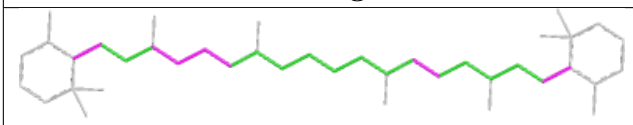
Ligand BCR H 850



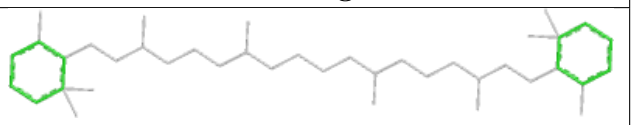
Bond lengths



Bond angles

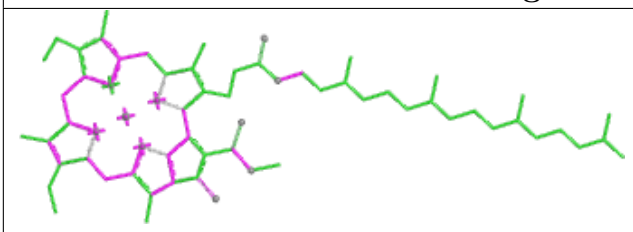


Torsions

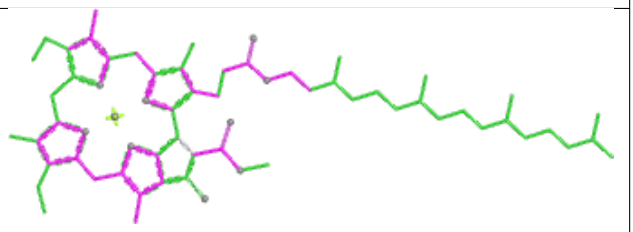


Rings

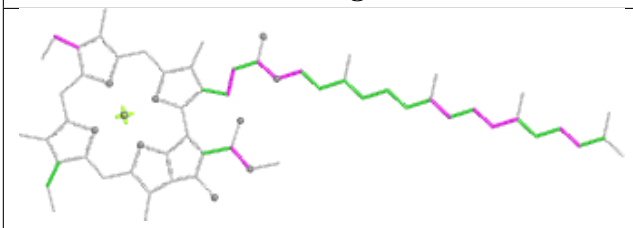
Ligand CLA G 851



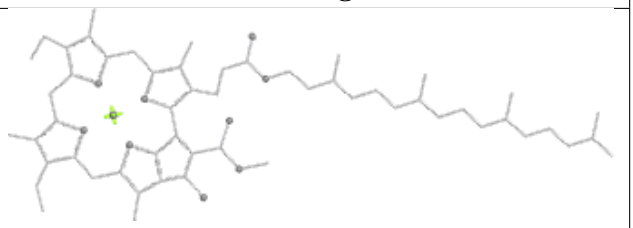
Bond lengths



Bond angles

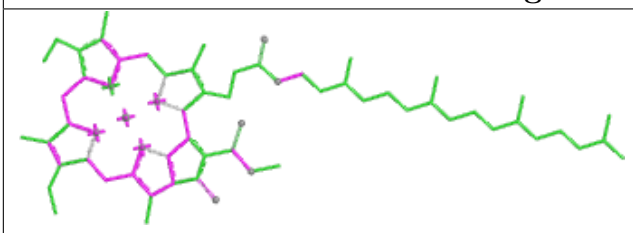


Torsions

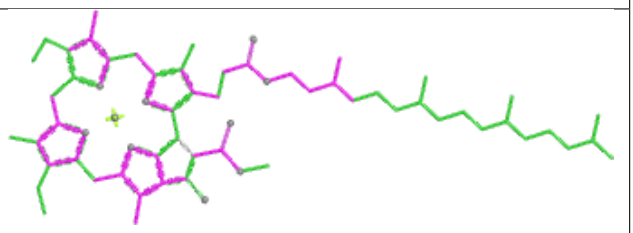


Rings

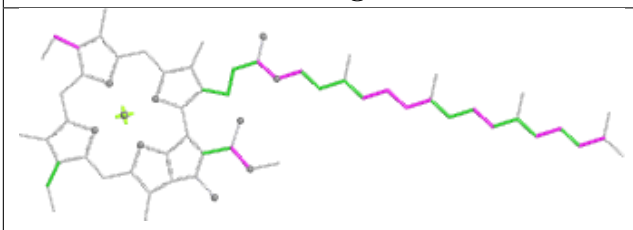
Ligand CLA B 809



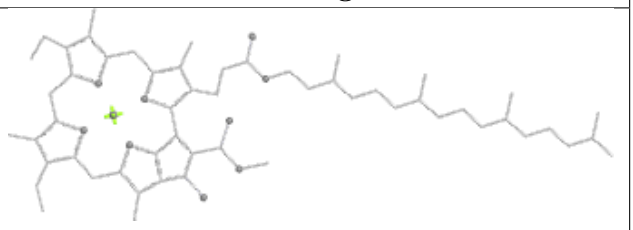
Bond lengths



Bond angles

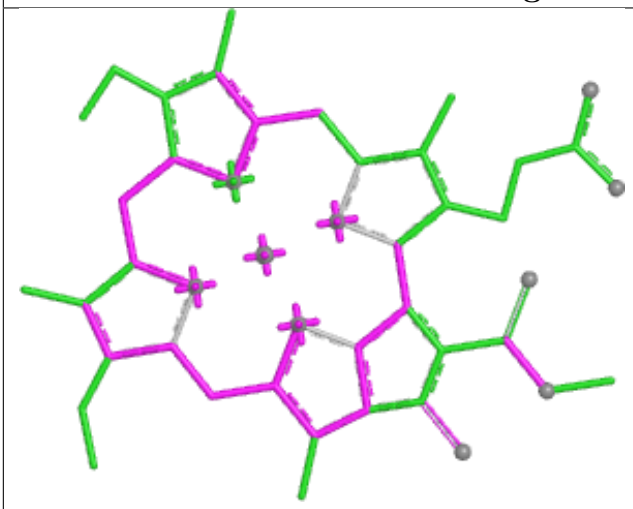


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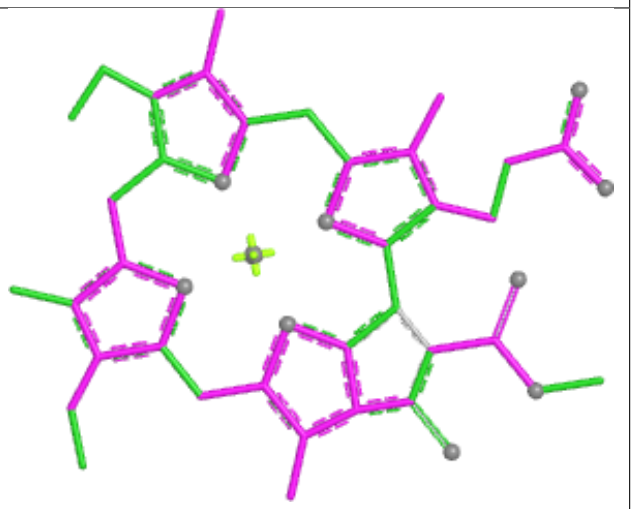


Rings

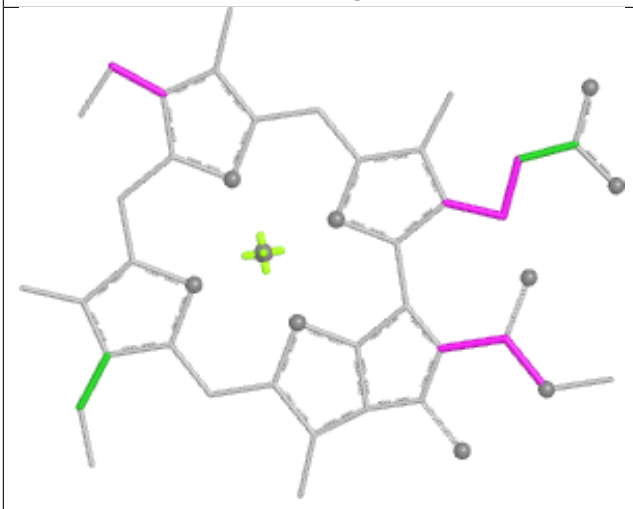
Ligand CLA H 817



Bond lengths



Bond angles

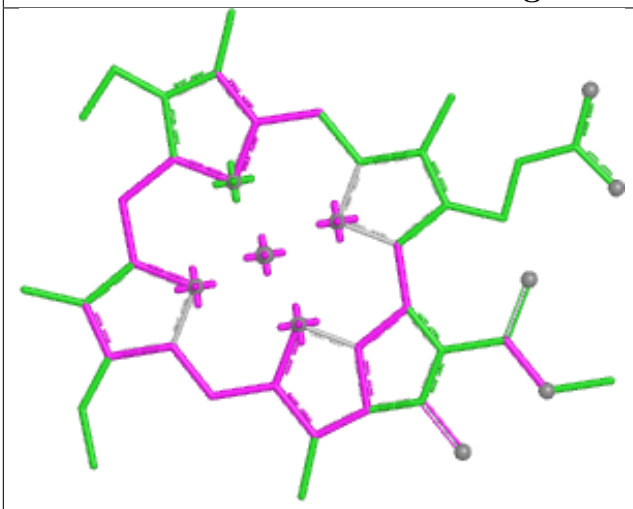


Torsions

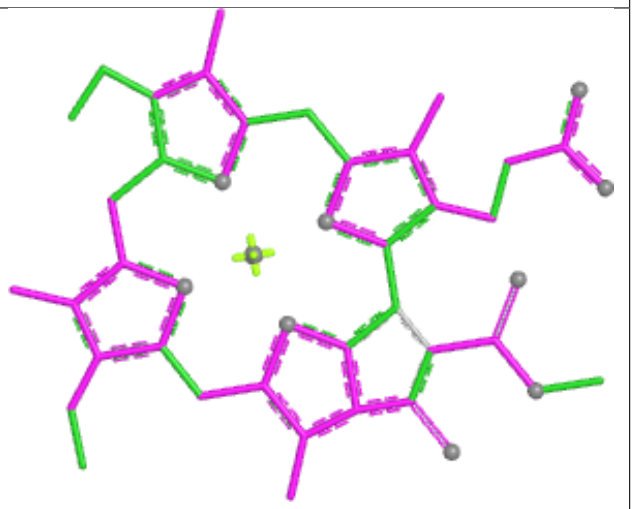


Rings

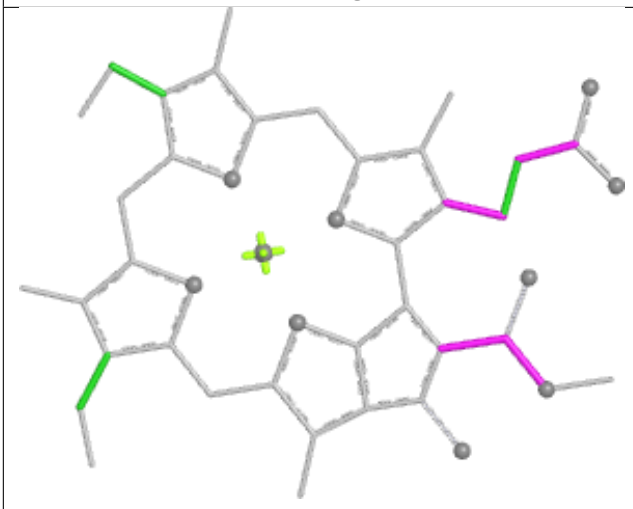
Ligand CLA H 823



Bond lengths



Bond angles

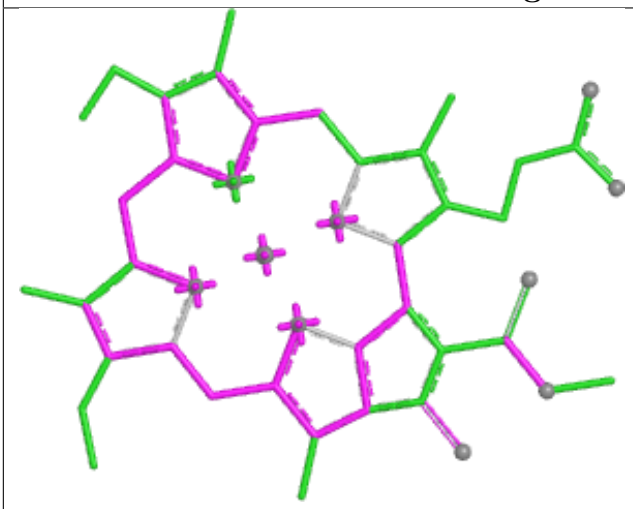


Torsions

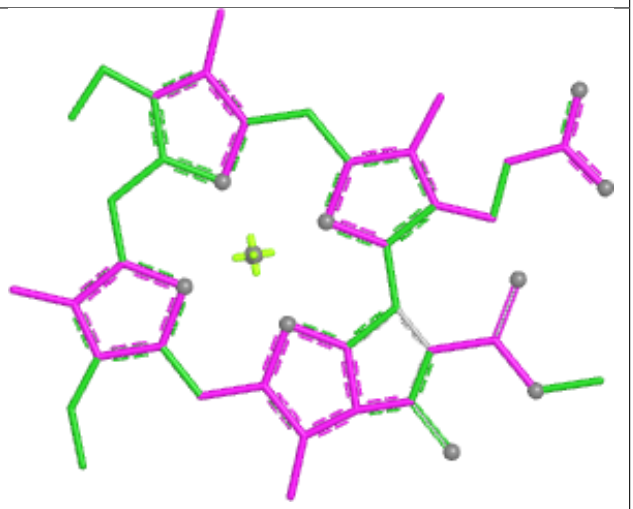


Rings

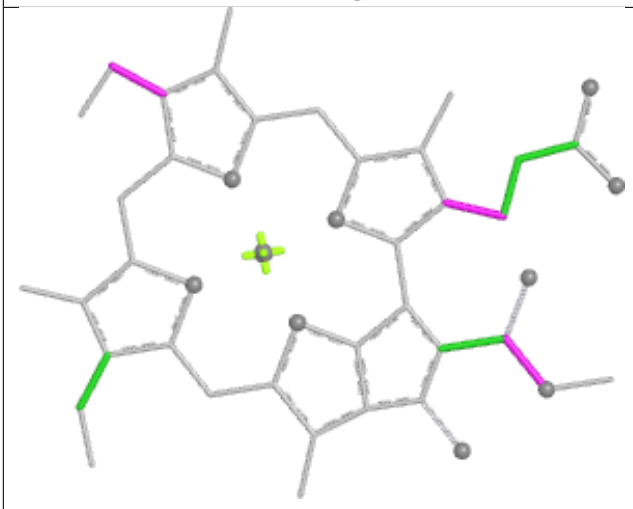
Ligand CLA A 815



Bond lengths



Bond angles

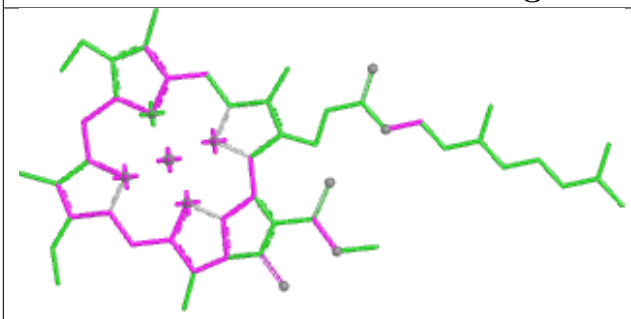


Torsions

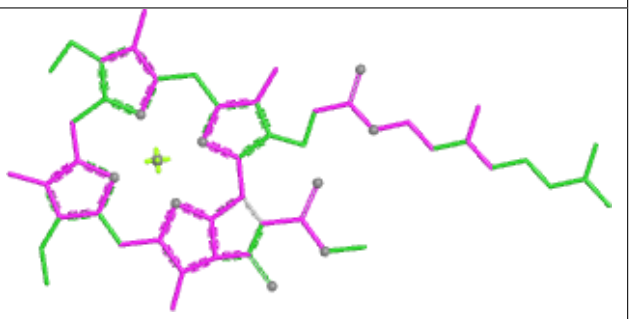


Rings

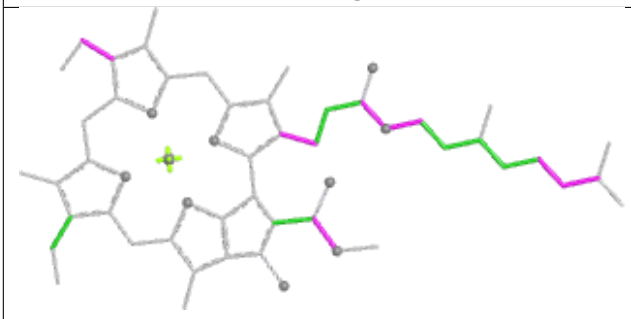
Ligand CLA A 819



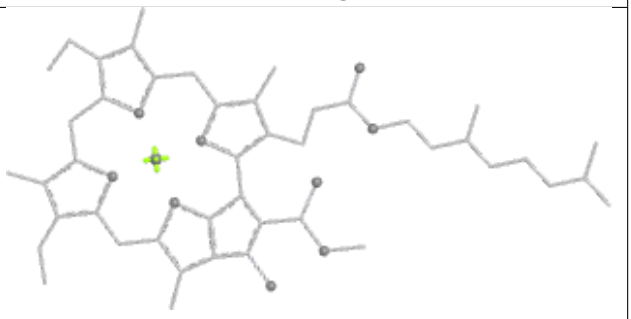
Bond lengths



Bond angles

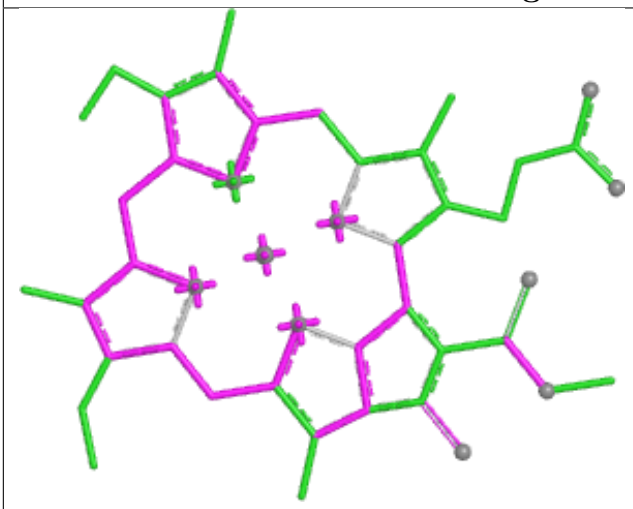


Torsions

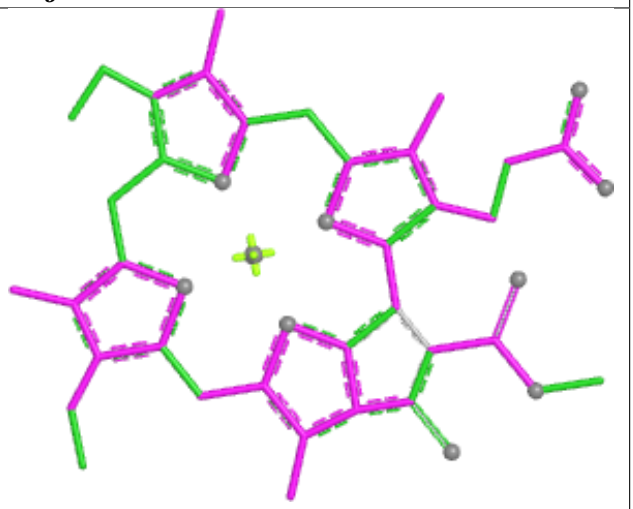


Rings

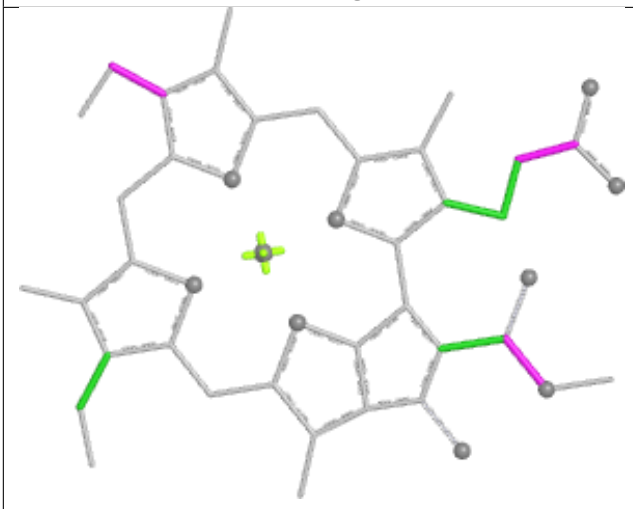
Ligand CLA j 1301



Bond lengths



Bond angles

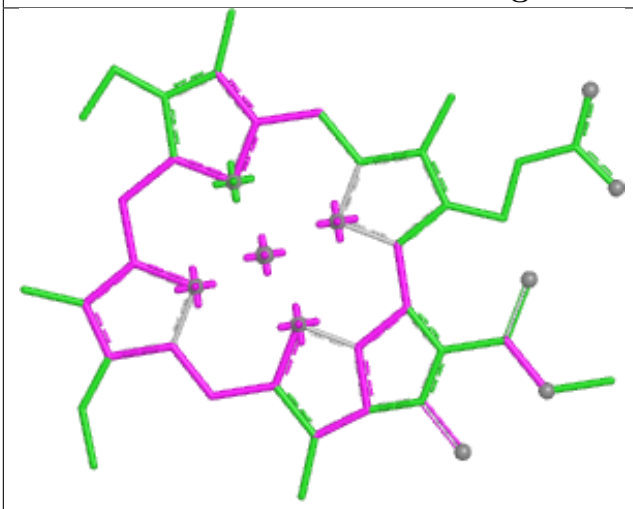


Torsions

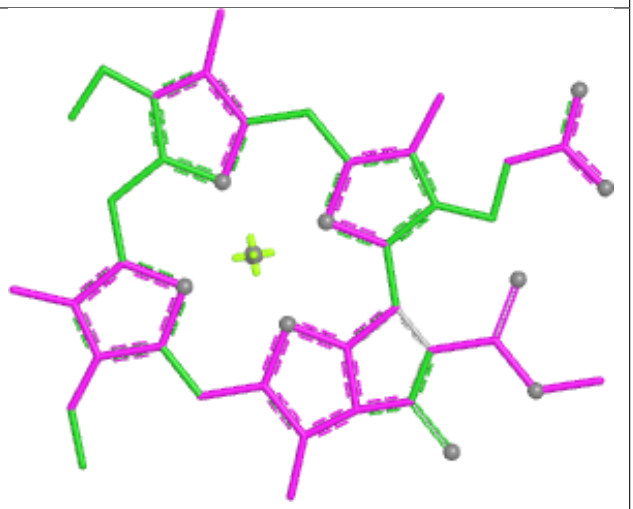


Rings

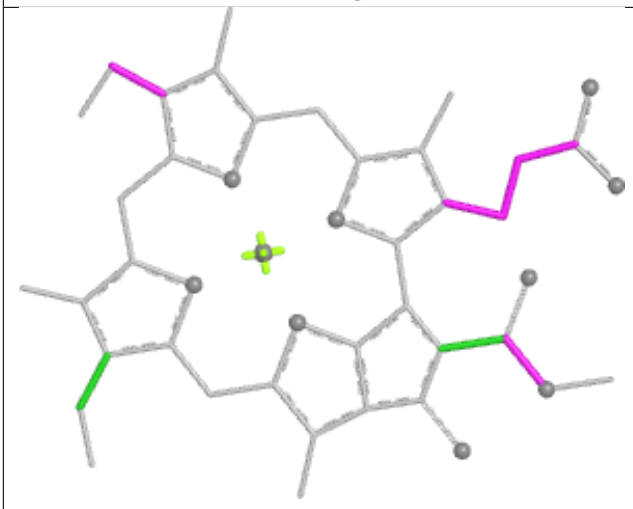
Ligand CLA M 1601



Bond lengths



Bond angles

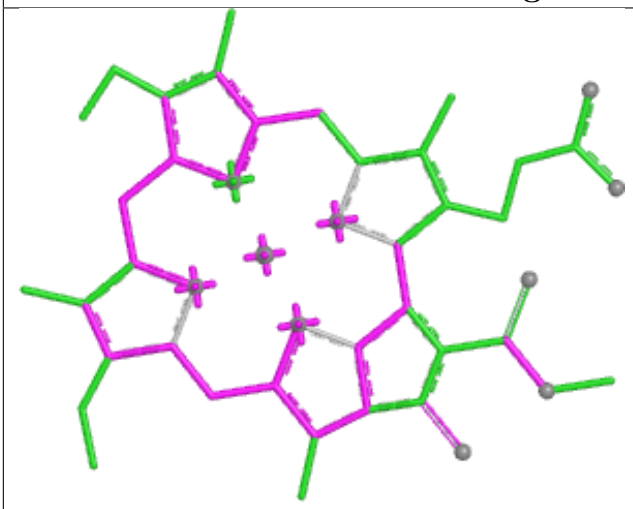


Torsions

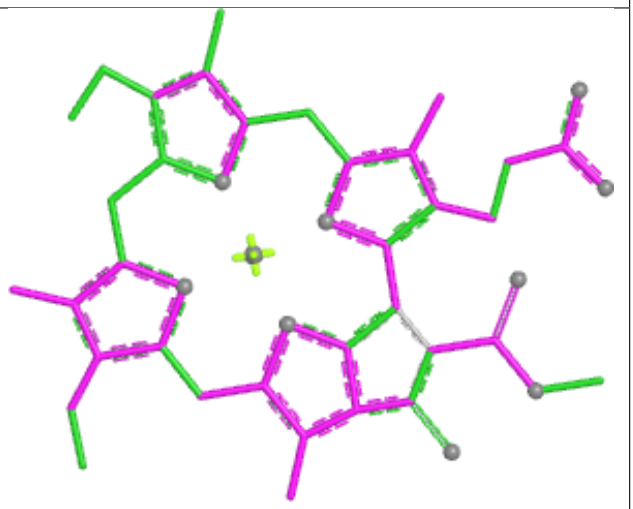


Rings

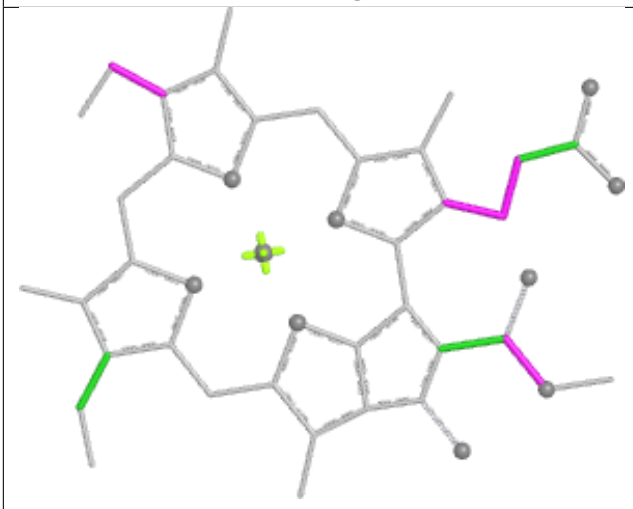
Ligand CLA H 814



Bond lengths



Bond angles

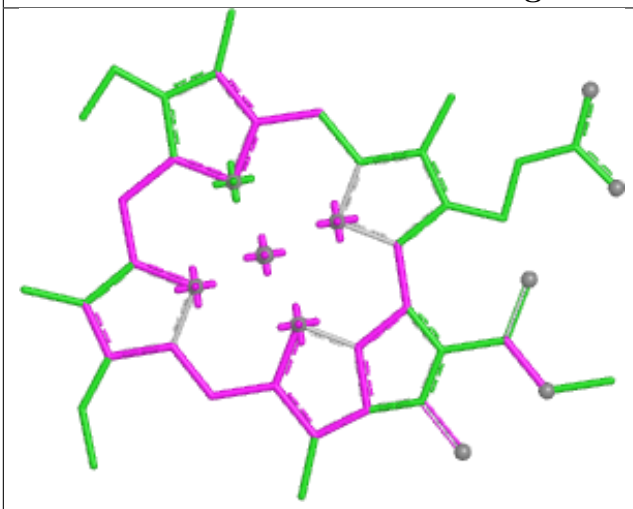


Torsions

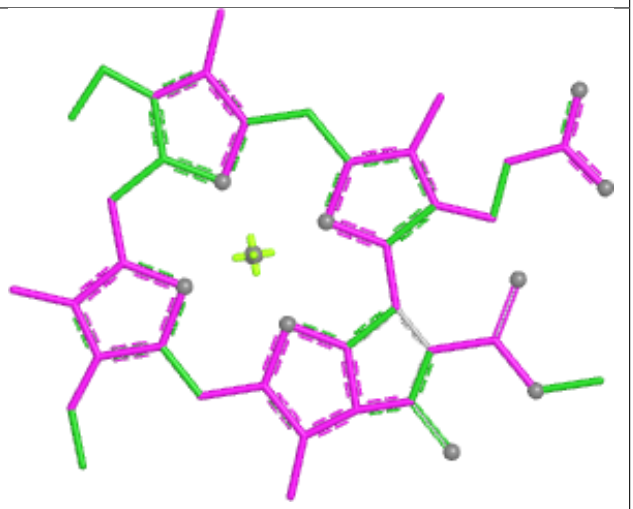


Rings

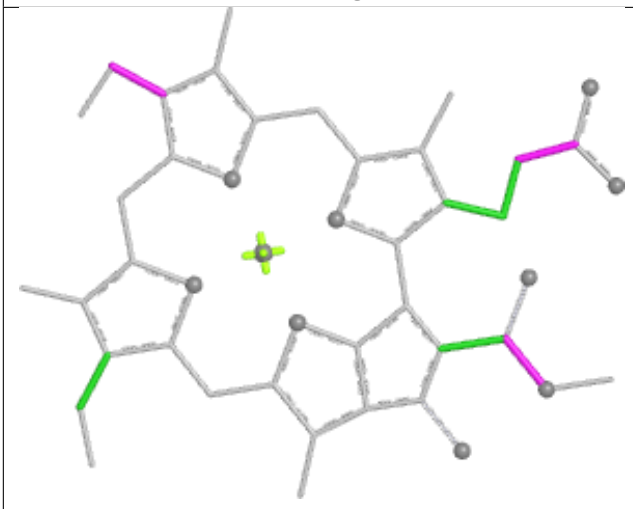
Ligand CLA B 837



Bond lengths



Bond angles

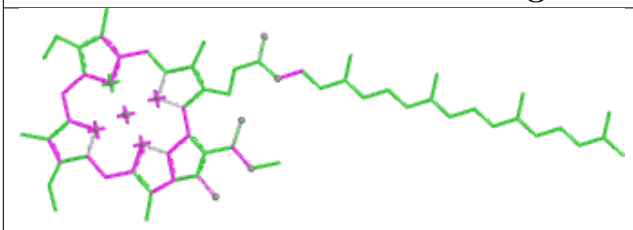


Torsions

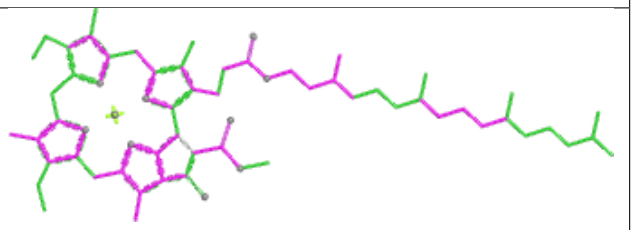


Rings

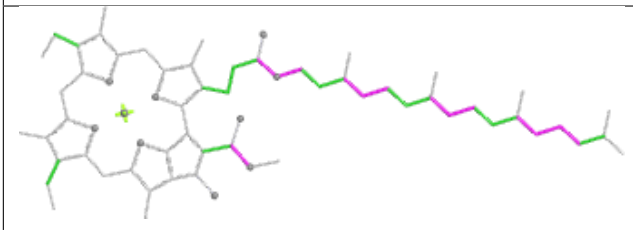
Ligand CLA b 804



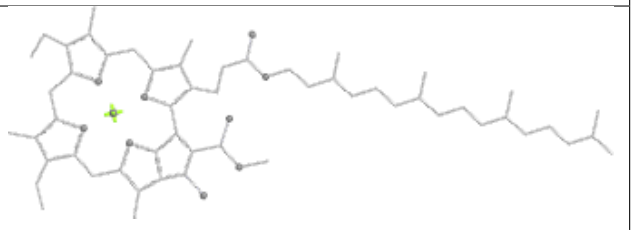
Bond lengths



Bond angles

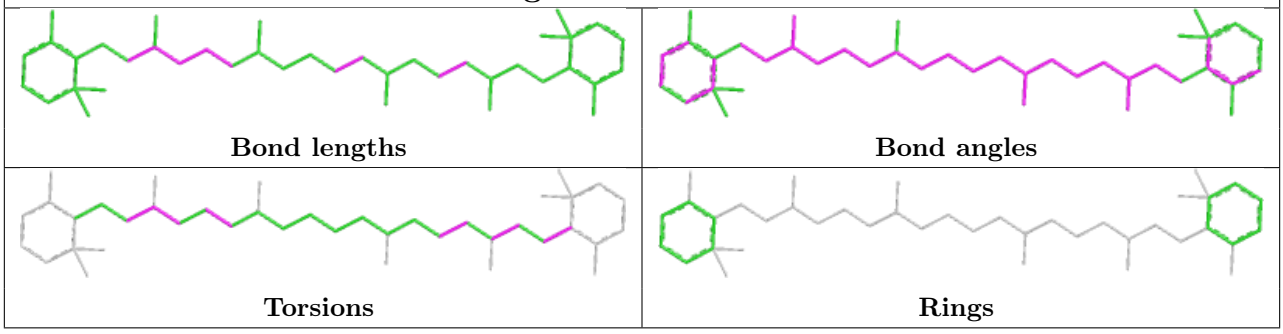


Torsions

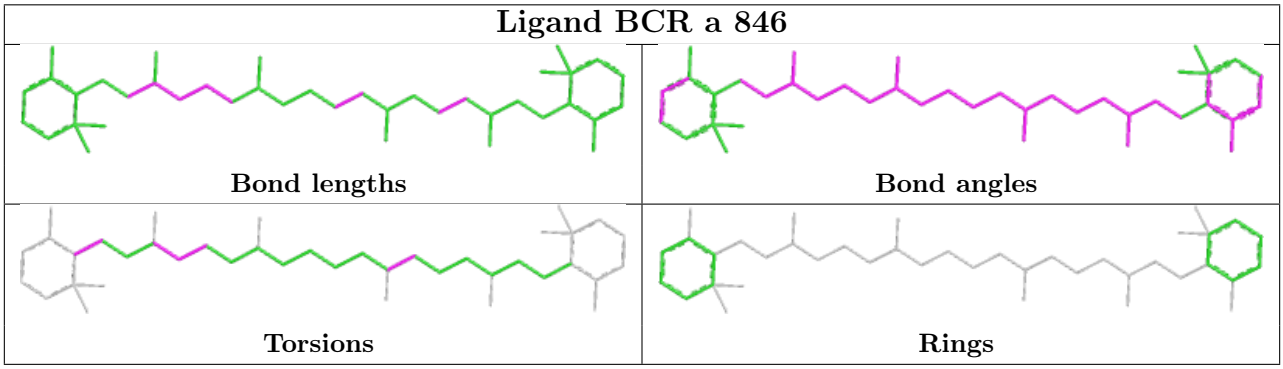


Rings

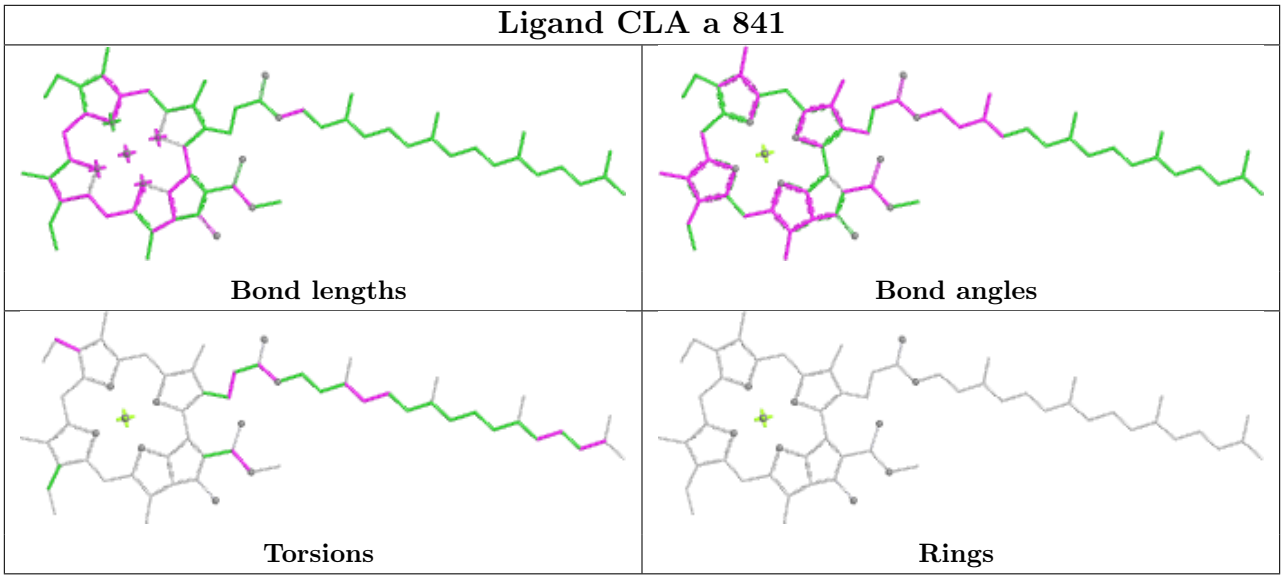
Ligand BCR B 844



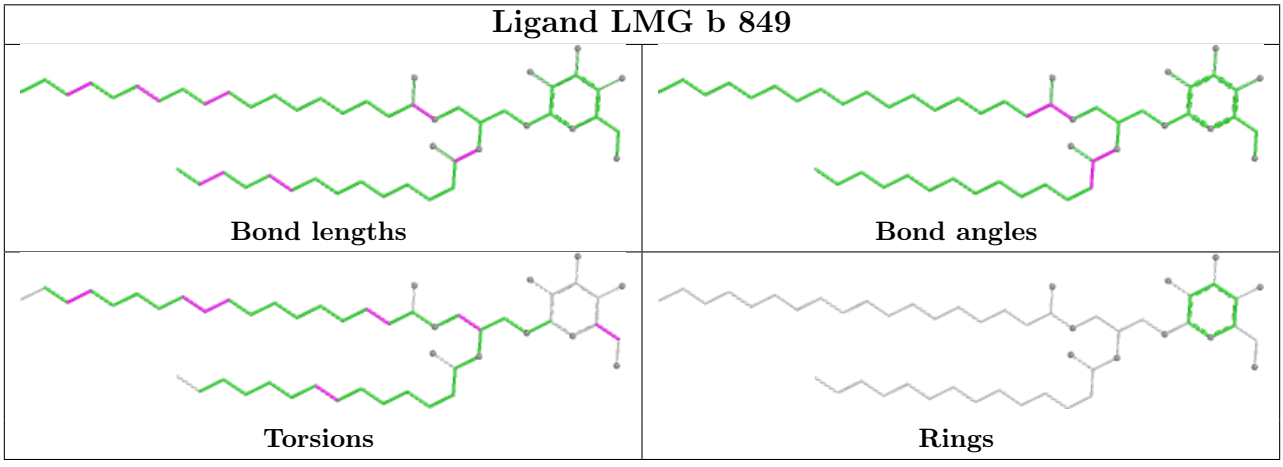
Ligand BCR a 846



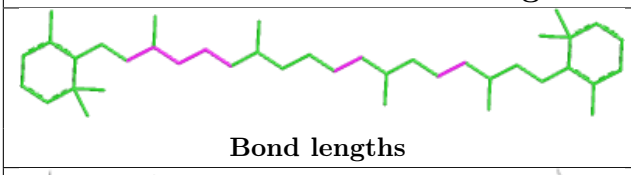
Ligand CLA a 841



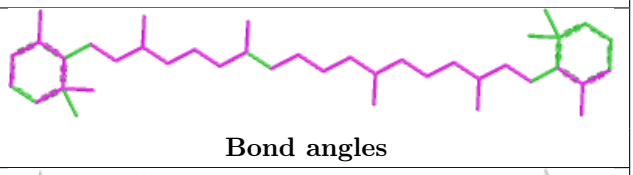
Ligand LMG b 849



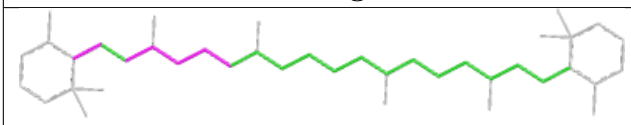
Ligand BCR R 102



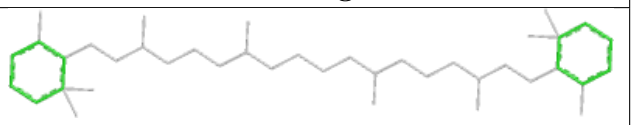
Bond lengths



Bond angles

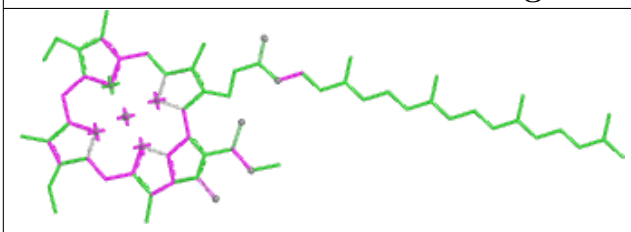


Torsions

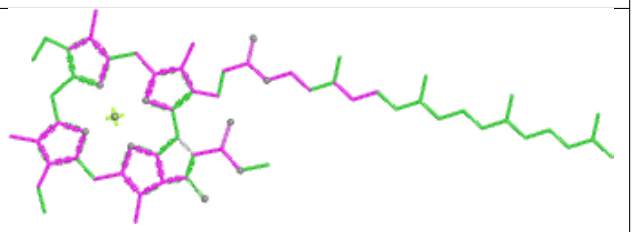


Rings

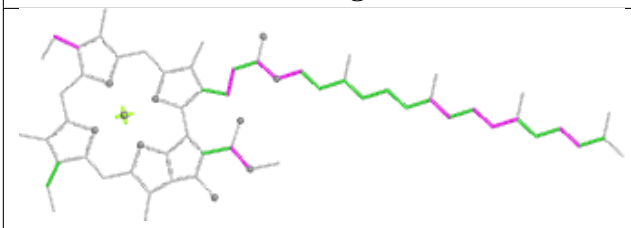
Ligand CLA B 806



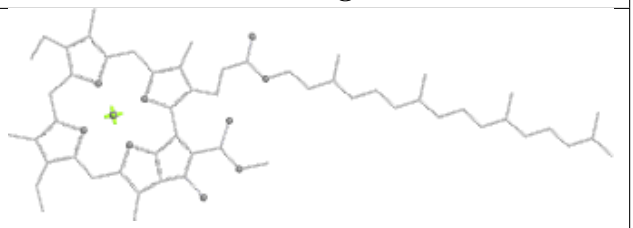
Bond lengths



Bond angles

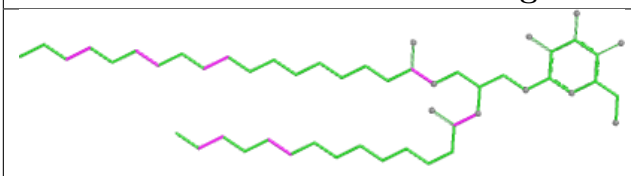


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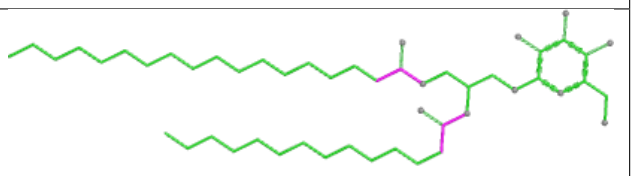


Rings

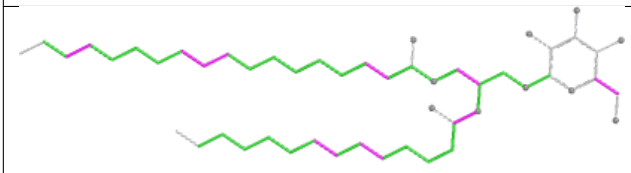
Ligand LMG B 851



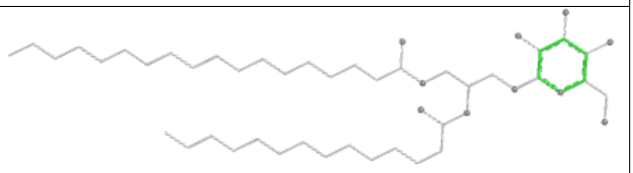
Bond lengths



Bond angles

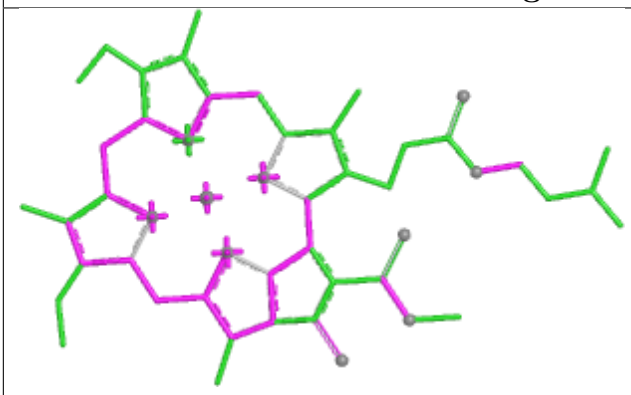


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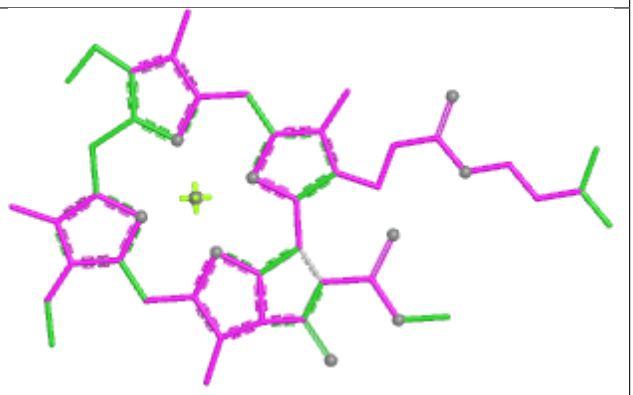


Rings

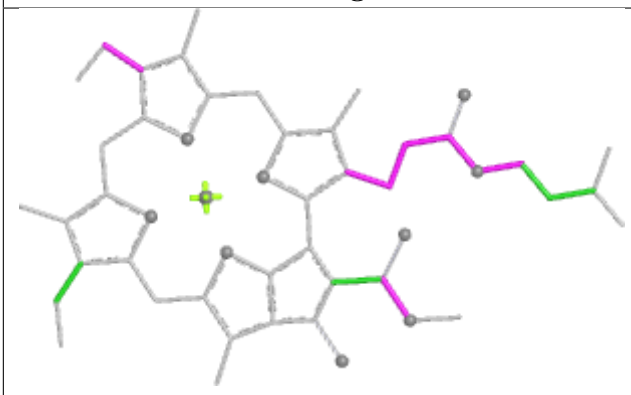
Ligand CLA G 817



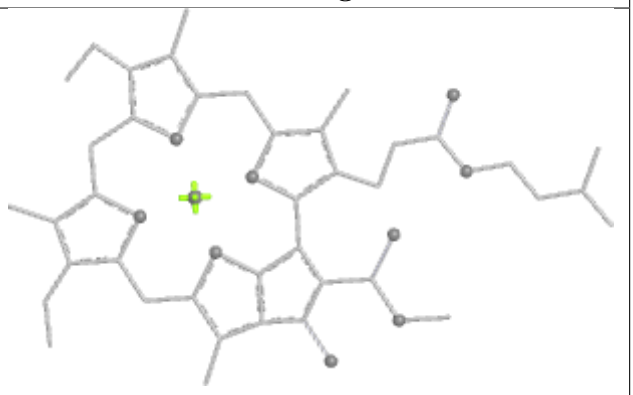
Bond lengths



Bond angles

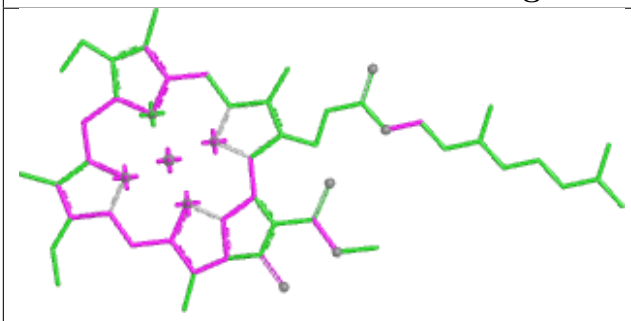


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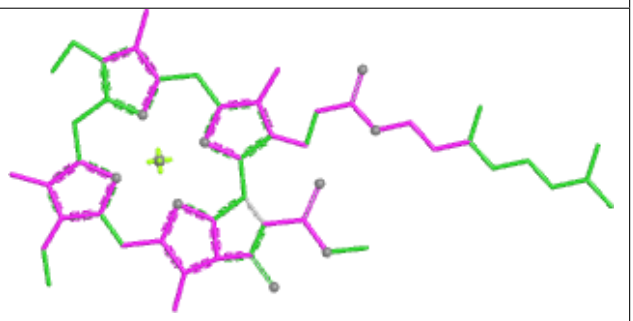


Rings

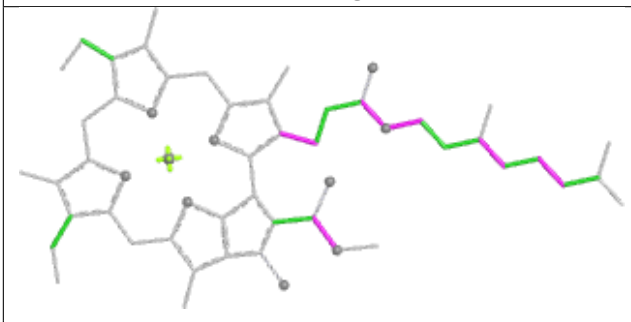
Ligand CLA G 823



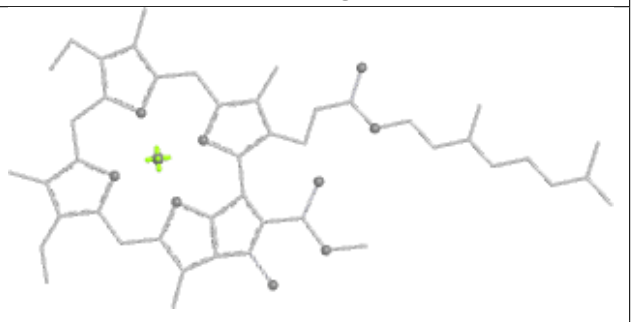
Bond lengths



Bond angles

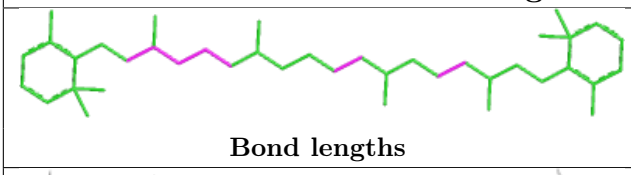


Torsions

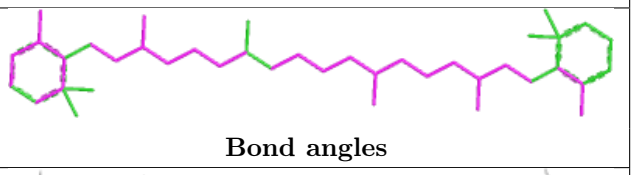


Rings

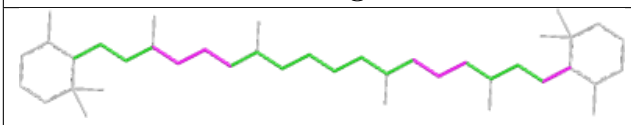
Ligand BCR b 848



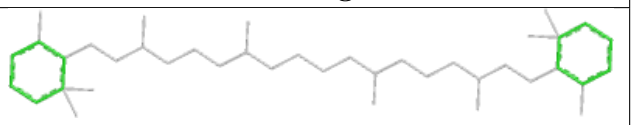
Bond lengths



Bond angles

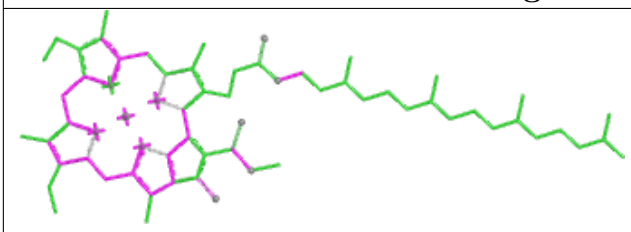


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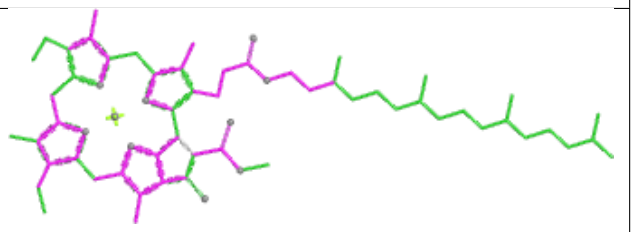


Rings

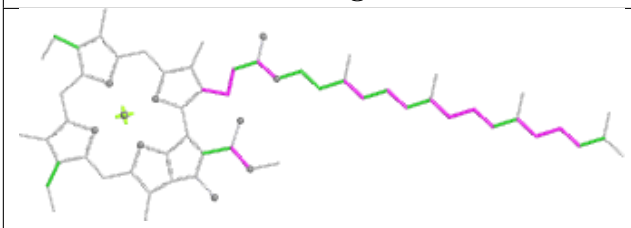
Ligand CLA H 830



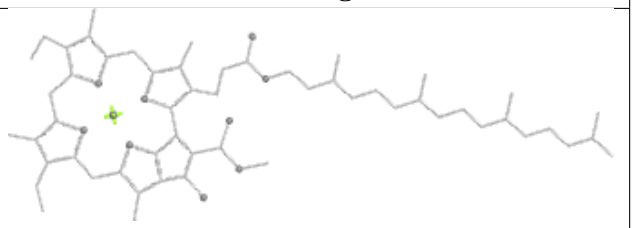
Bond lengths



Bond angles

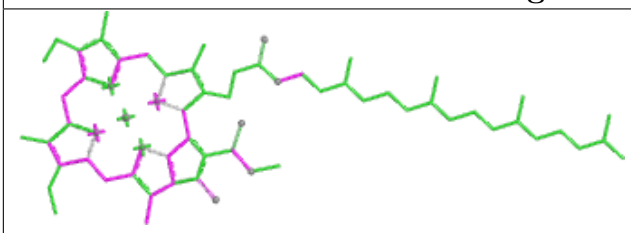


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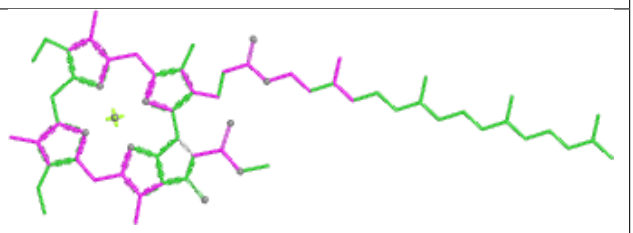


Rings

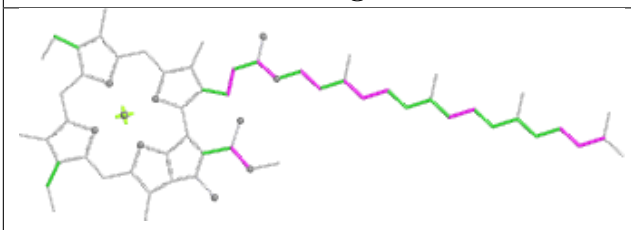
Ligand CLA b 801



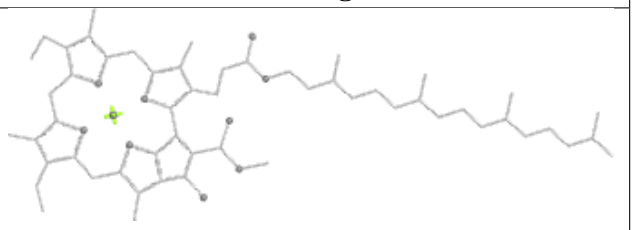
Bond lengths



Bond angles

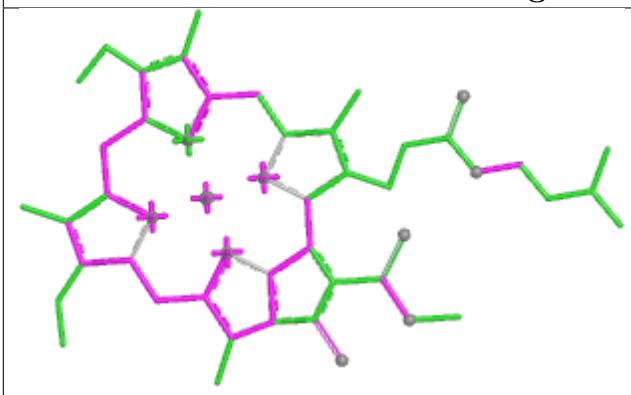


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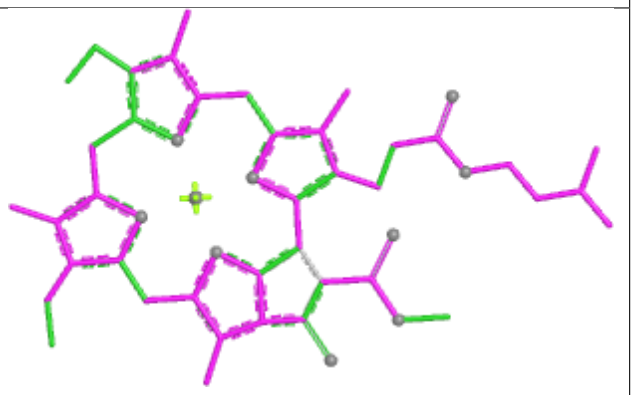


Rings

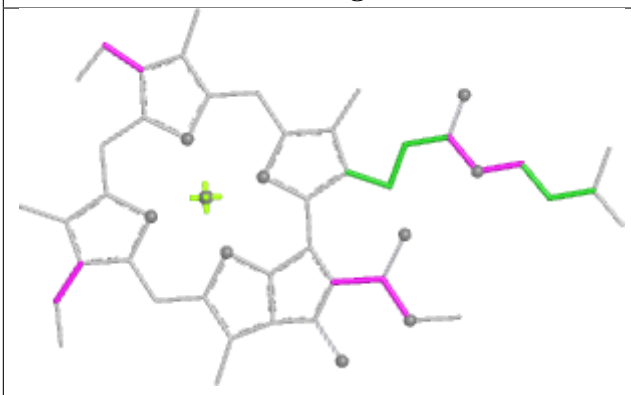
Ligand CLA a 842



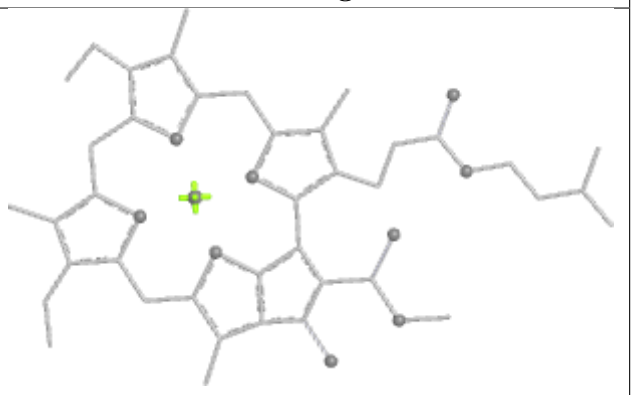
Bond lengths



Bond angles

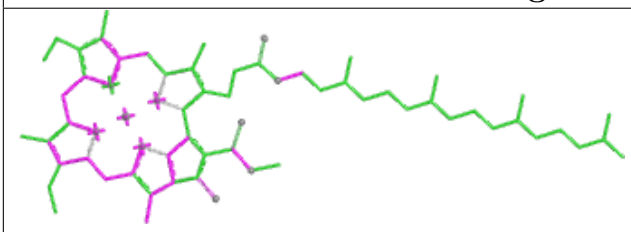


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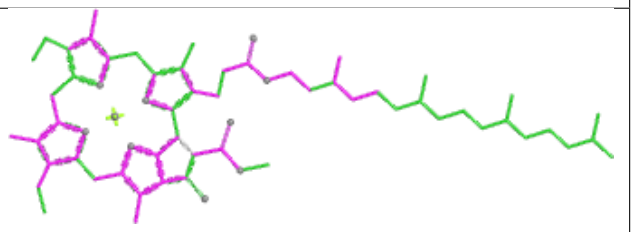


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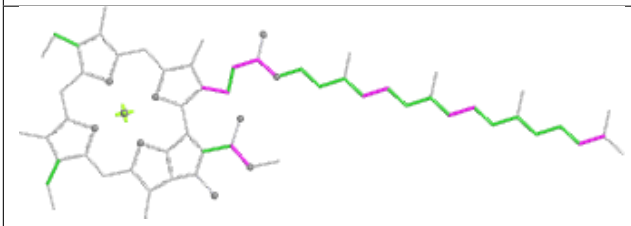
Ligand CL0 A 801



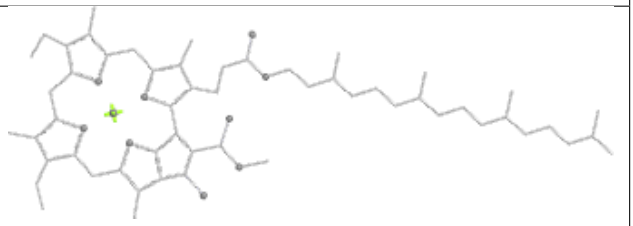
Bond lengths



Bond angles

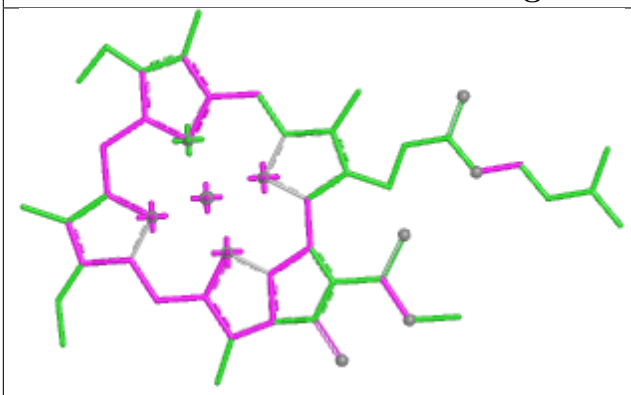


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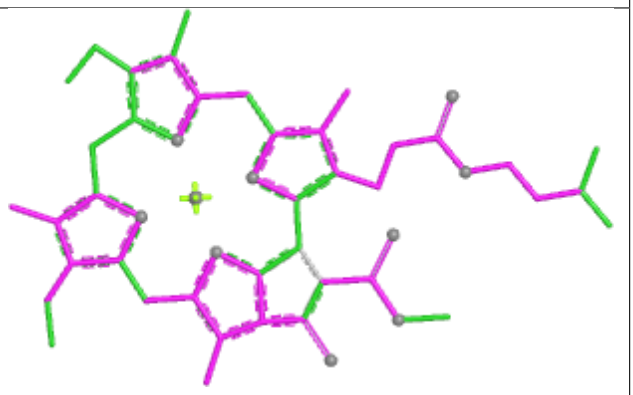


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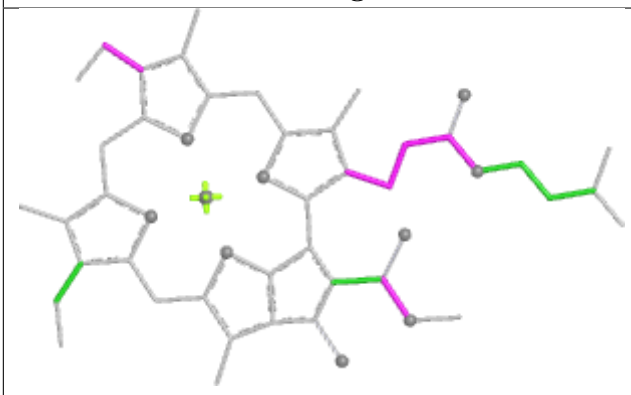
Ligand CLA A 817



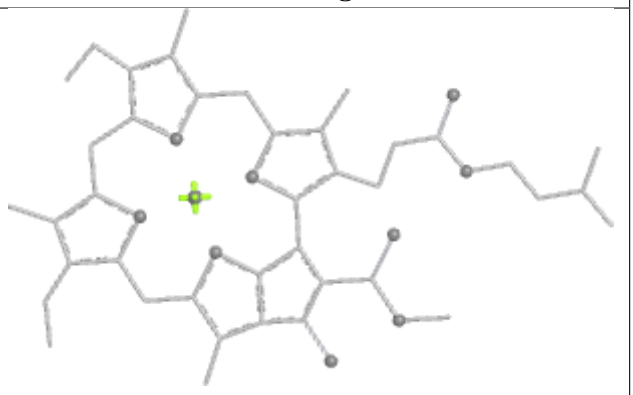
Bond lengths



Bond angles

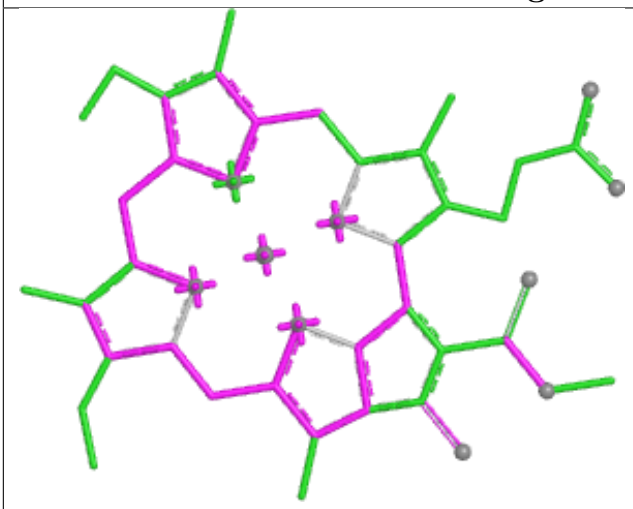


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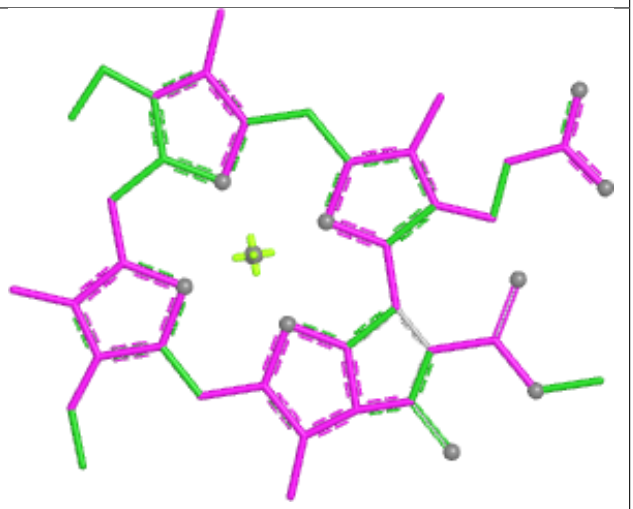


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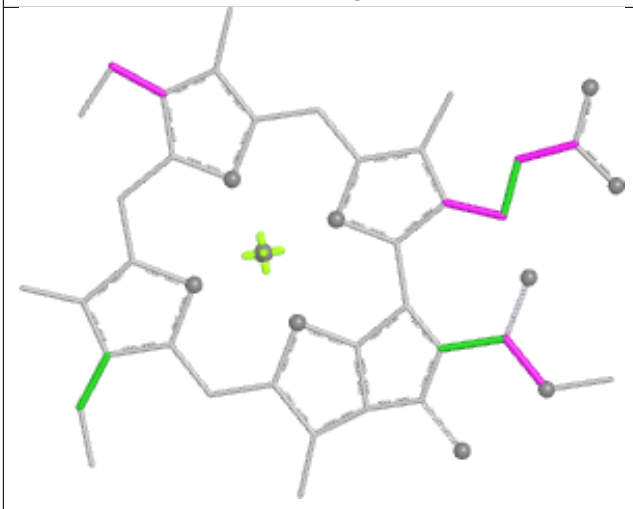
Ligand CLA k 102



Bond lengths



Bond angles

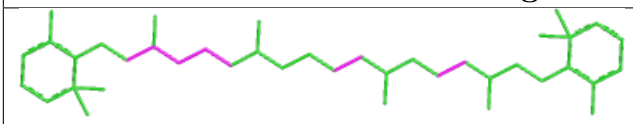


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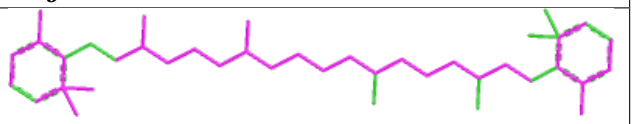


Rings

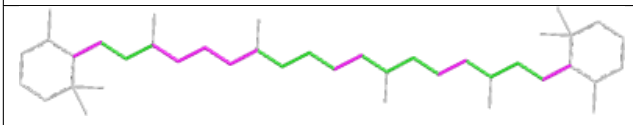
Ligand BCR j 1305



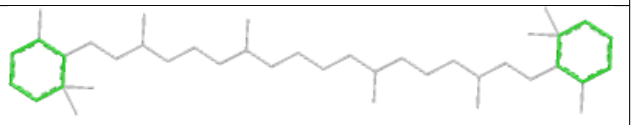
Bond lengths



Bond angles

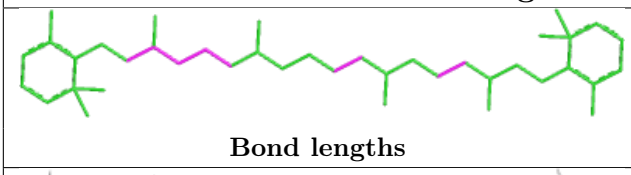


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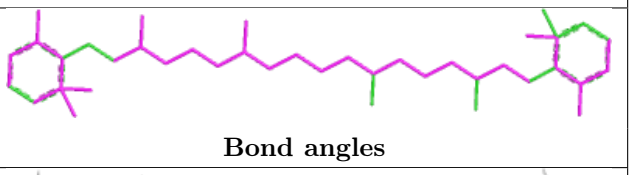


Rings

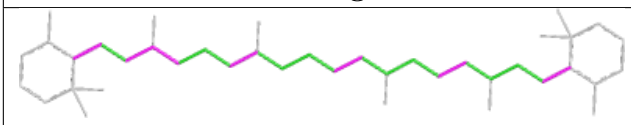
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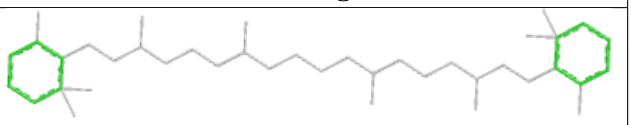
Bond lengths



Bond angles

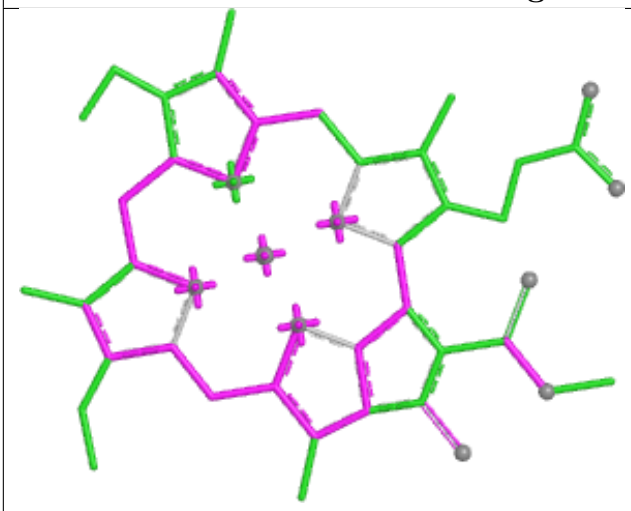


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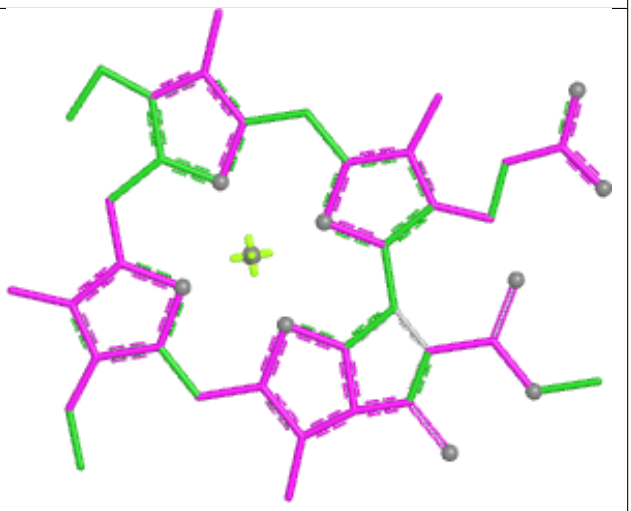


Rings

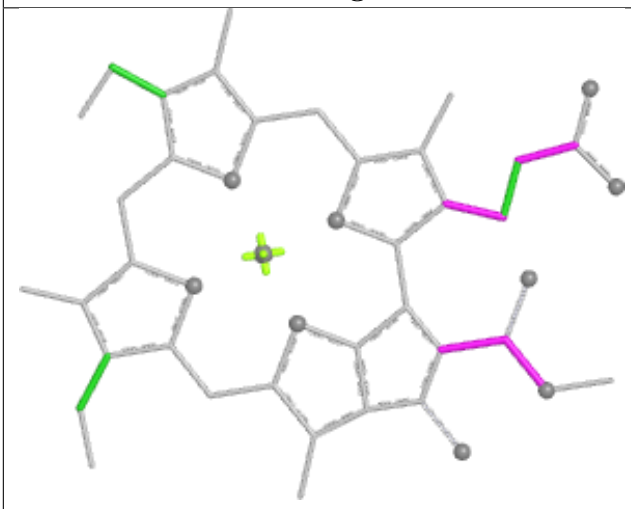
Ligand CLA b 820



Bond lengths



Bond angles

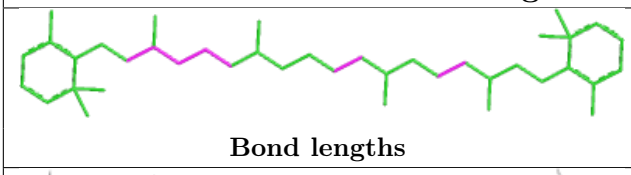


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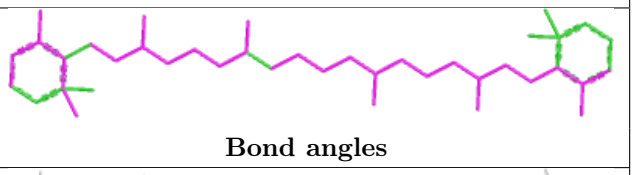


Rings

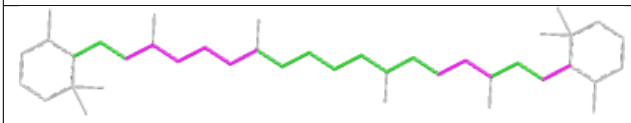
Ligand BCR U 202



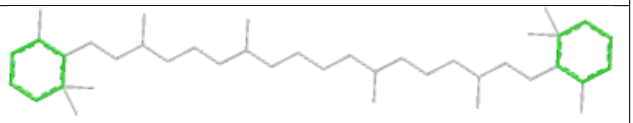
Bond lengths



Bond angles

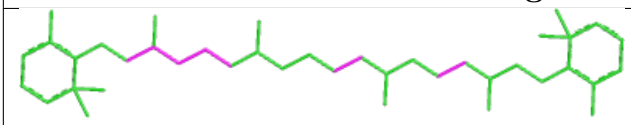


Torsions

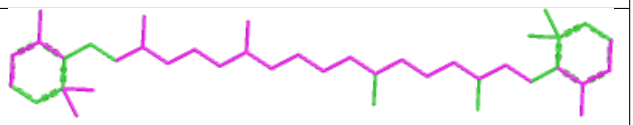


Rings

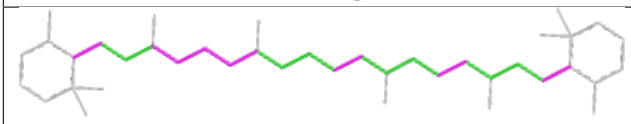
Ligand BCR S 104



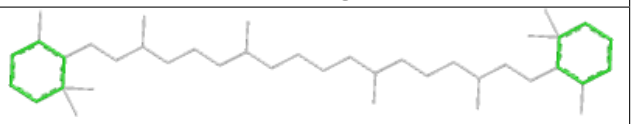
Bond lengths



Bond angles

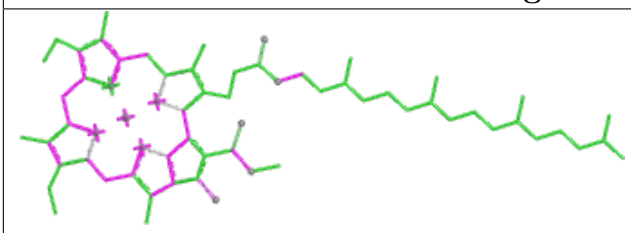


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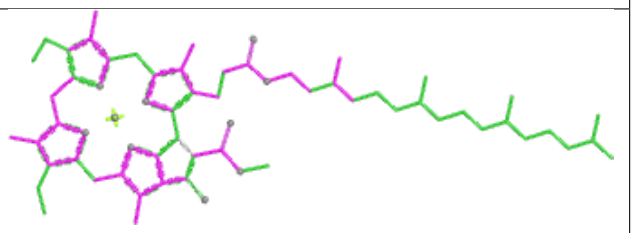


Rings

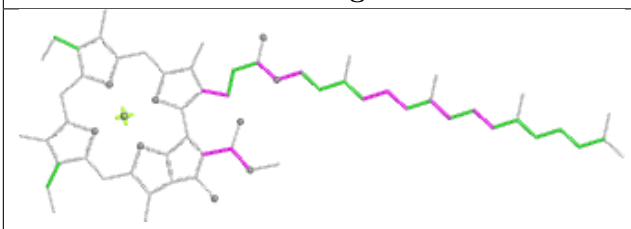
Ligand CLA A 829



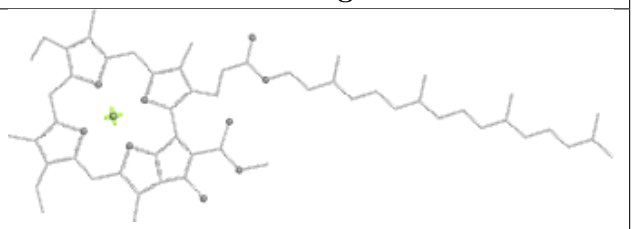
Bond lengths



Bond angles

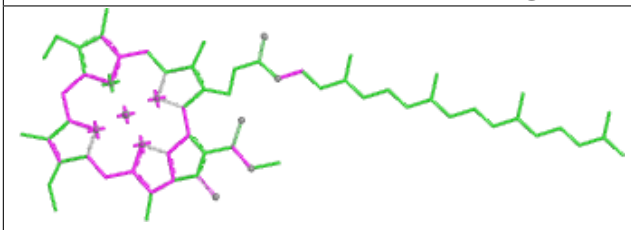


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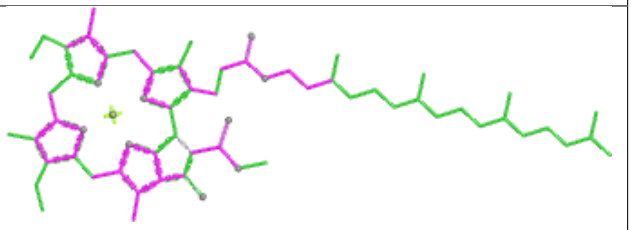


Rings

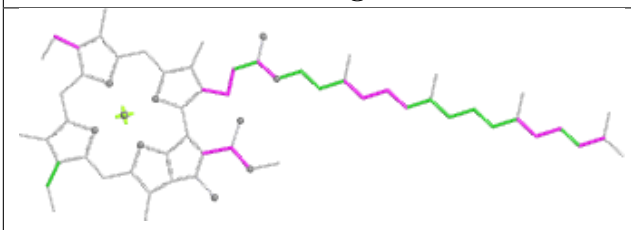
Ligand CLA G 832



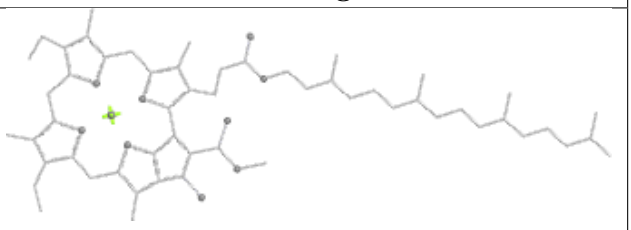
Bond lengths



Bond angles

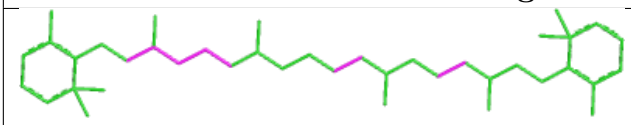


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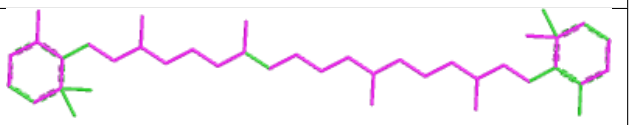


Rings

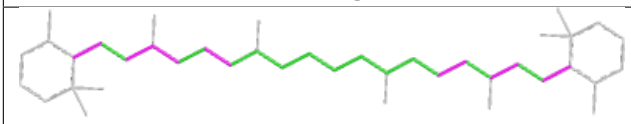
Ligand BCR J 1304



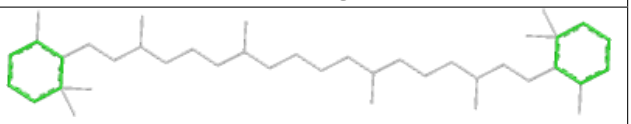
Bond lengths



Bond angles

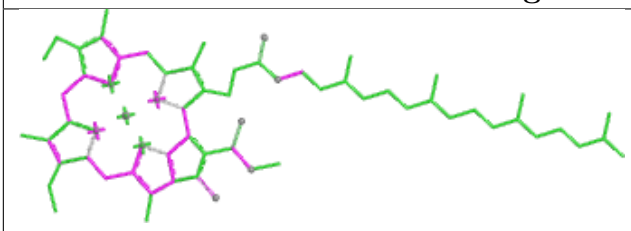


Torsions

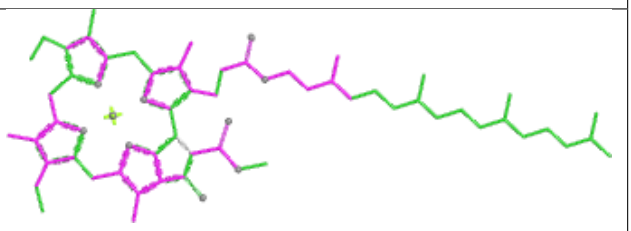


Rings

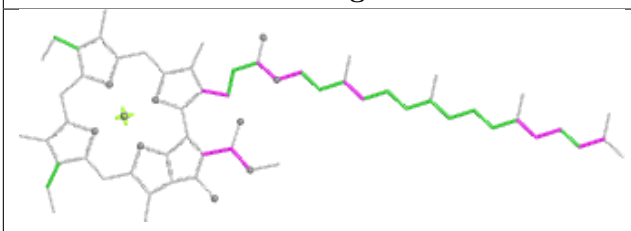
Ligand CLA H 816



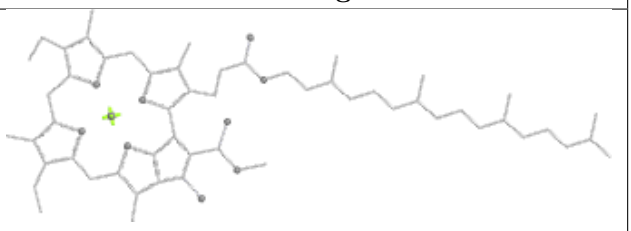
Bond lengths



Bond angles

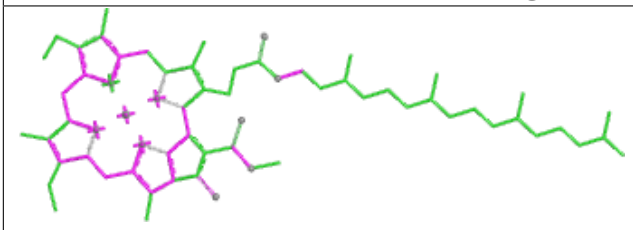


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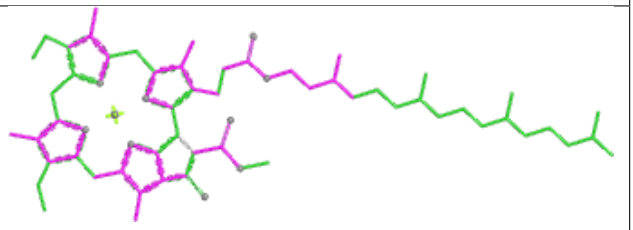


Rings

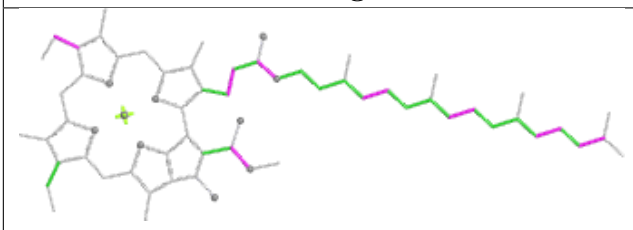
Ligand CLA H 841



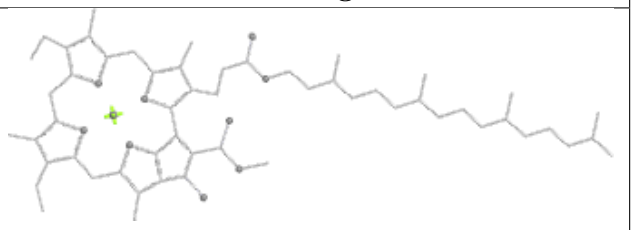
Bond lengths



Bond angles

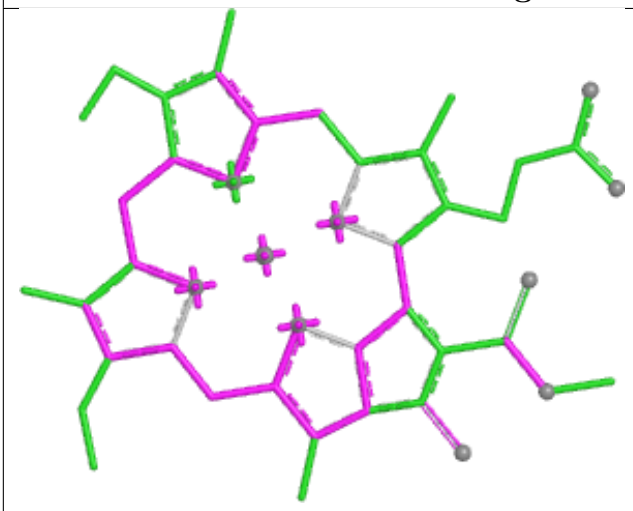


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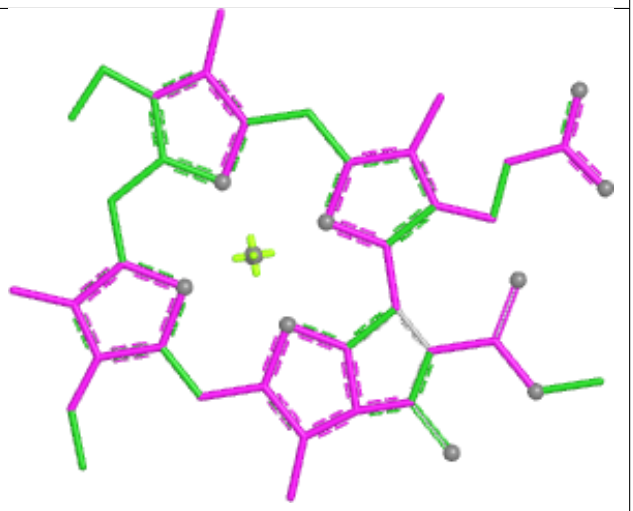


Rings

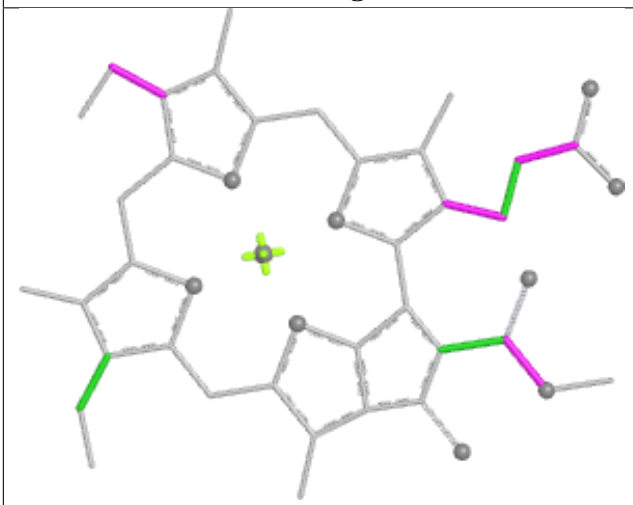
Ligand CLA K 1401



Bond lengths



Bond angles

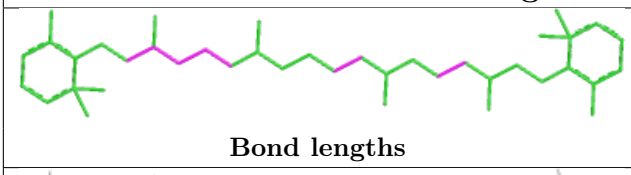


Torsions

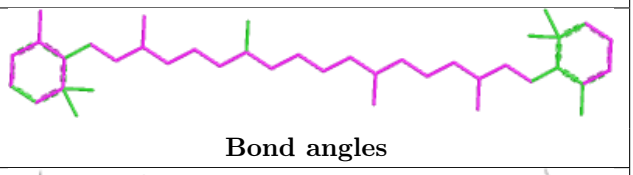


Rings

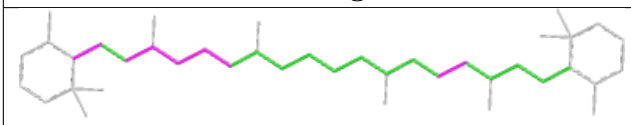
Ligand BCR G 843



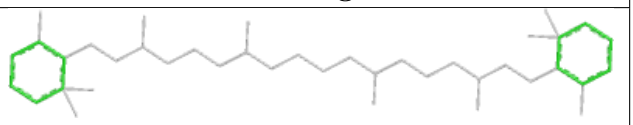
Bond lengths



Bond angles

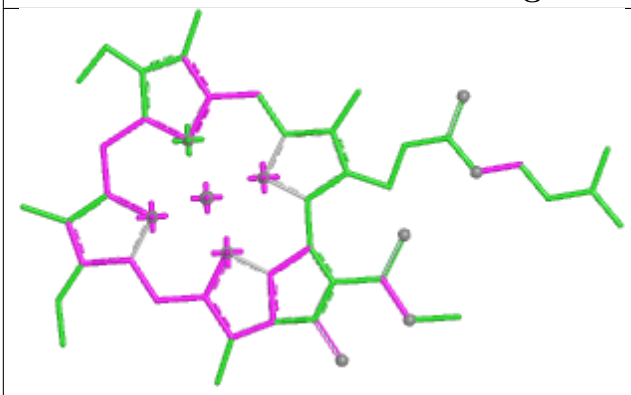


Torsions

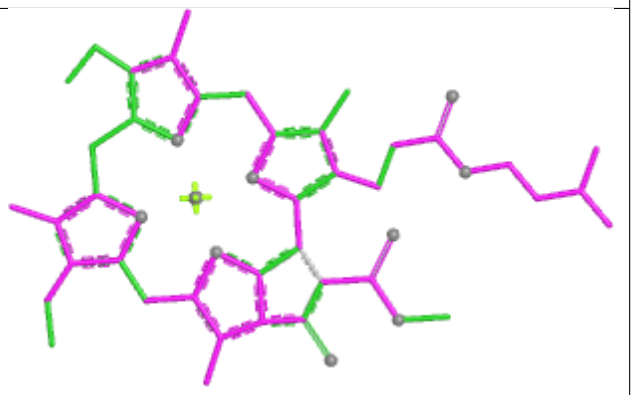


Rings

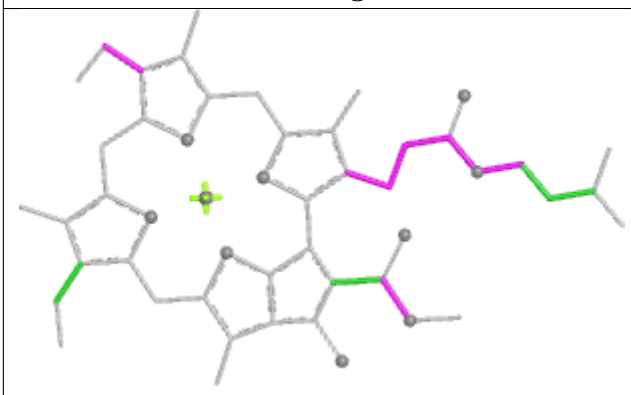
Ligand CLA A 811



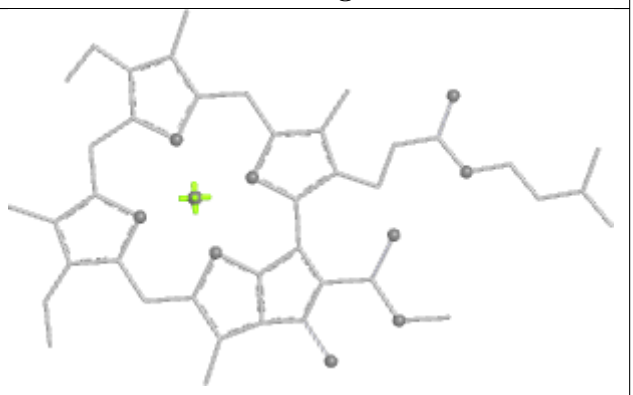
Bond lengths



Bond angles

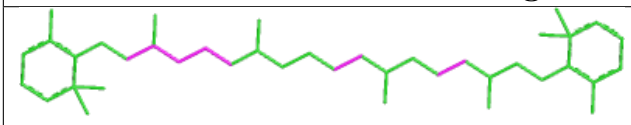


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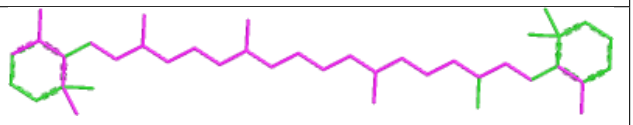


Rings

Ligand BCR B 846



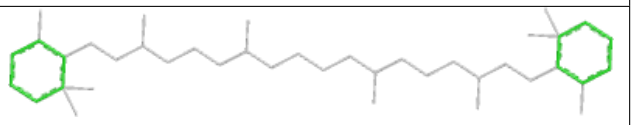
Bond lengths



Bond angles

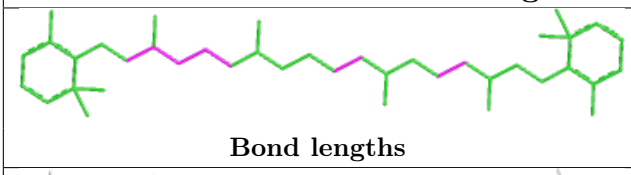


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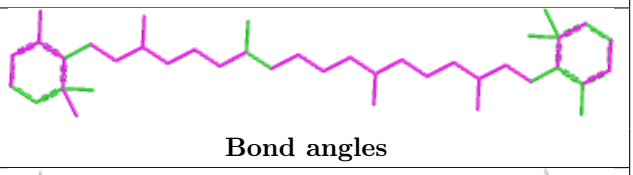


Rings

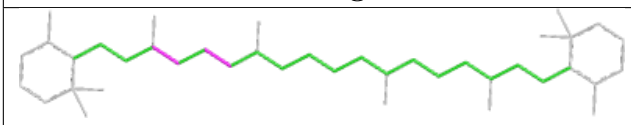
Ligand BCR U 203



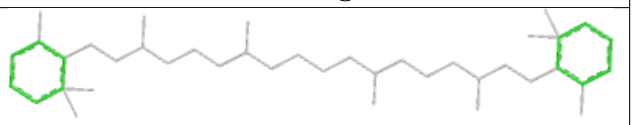
Bond lengths



Bond angles

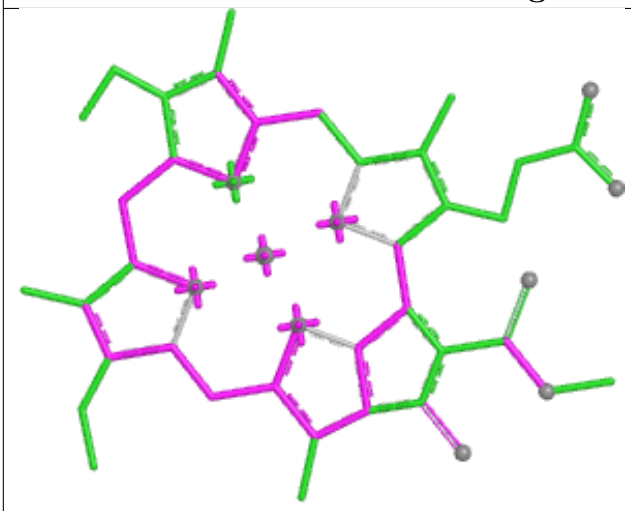


Torsions

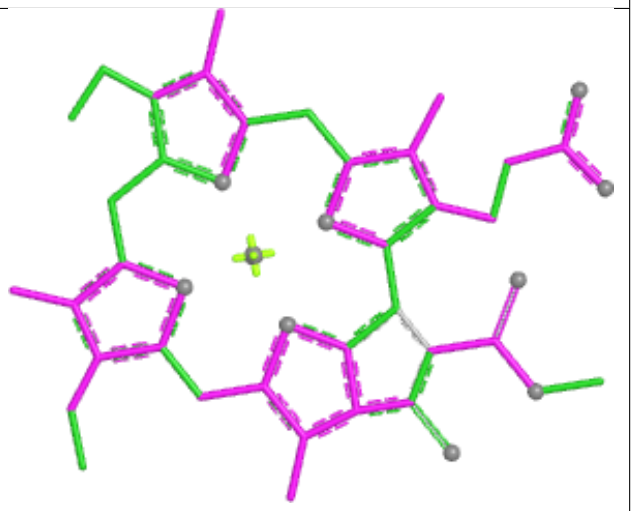


Rings

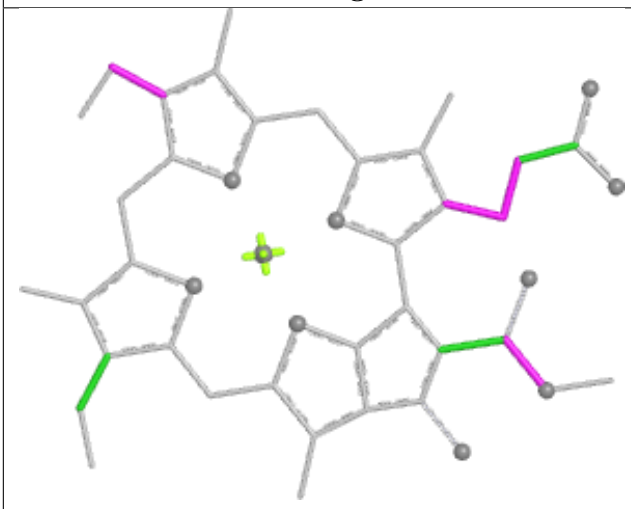
Ligand CLA a 815



Bond lengths



Bond angles

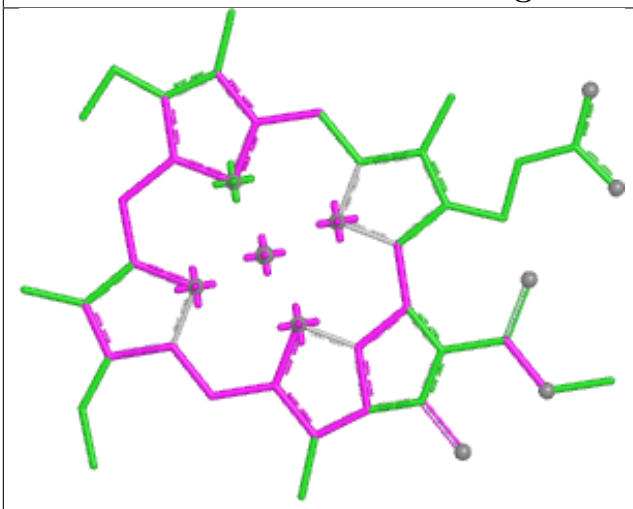


Torsions

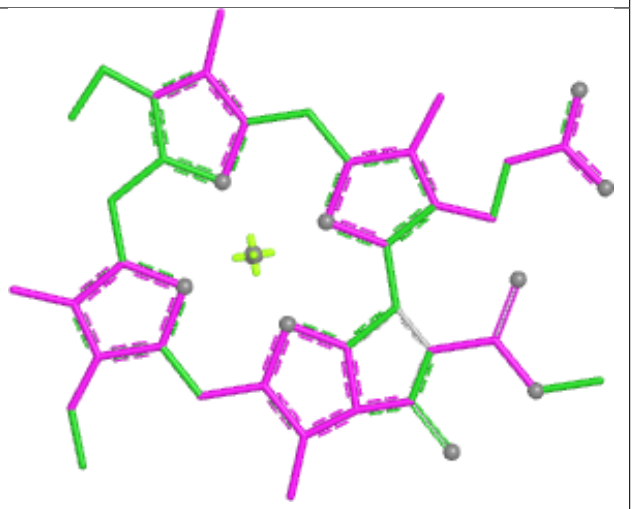


Rings

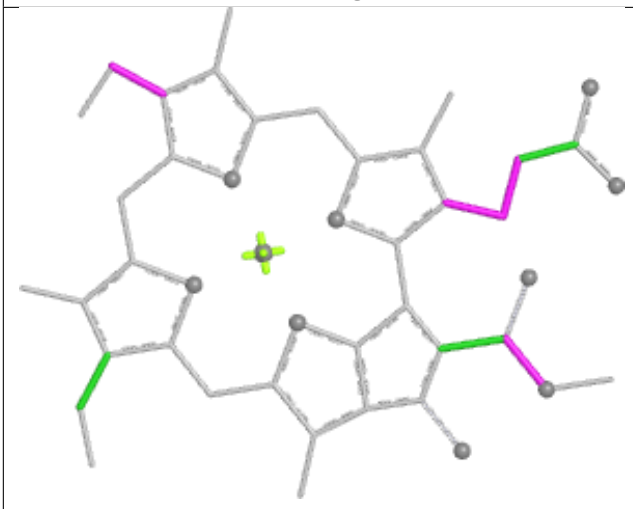
Ligand CLA X 1701



Bond lengths



Bond angles

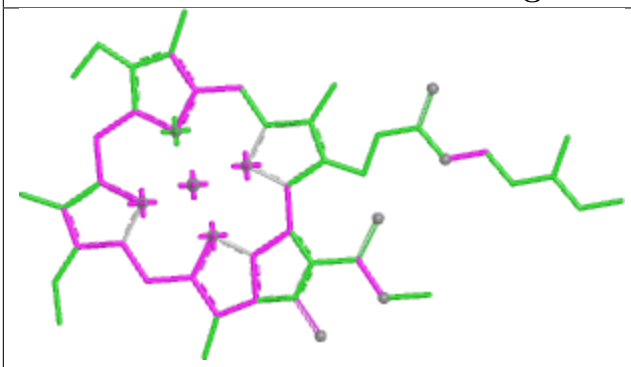


Torsions

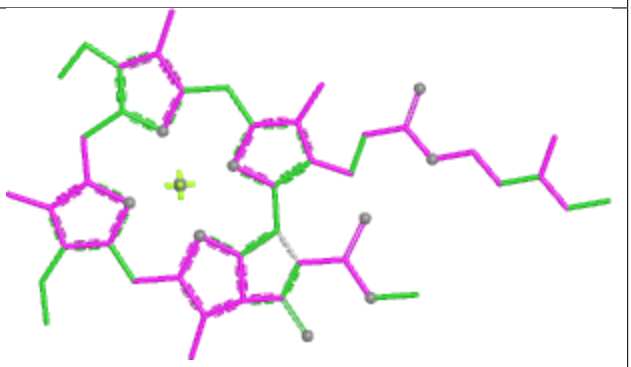


Rings

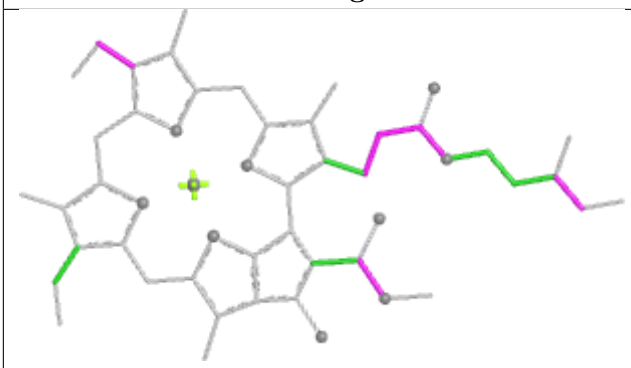
Ligand CLA A 822



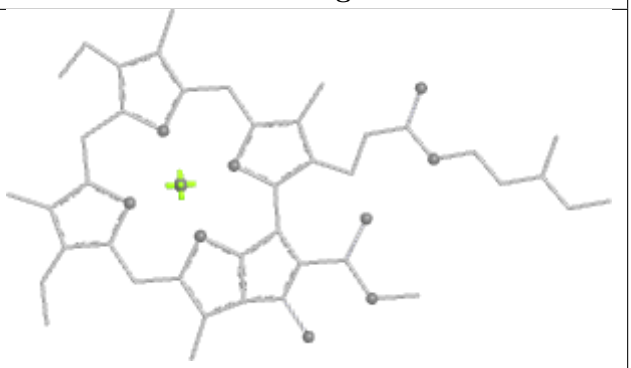
Bond lengths



Bond angles

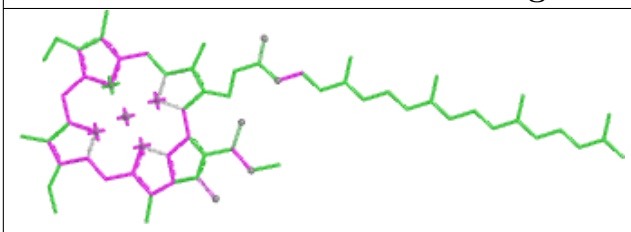


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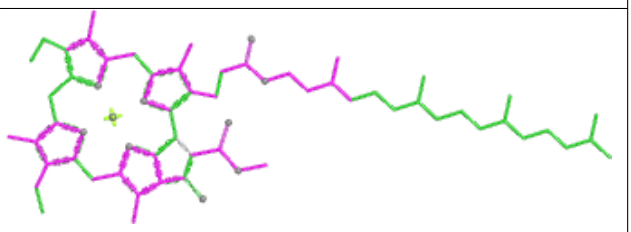


Rings

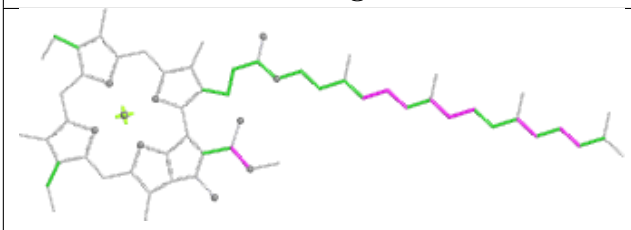
Ligand CLA a 838



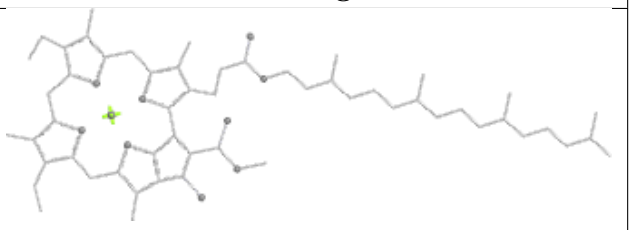
Bond lengths



Bond angles

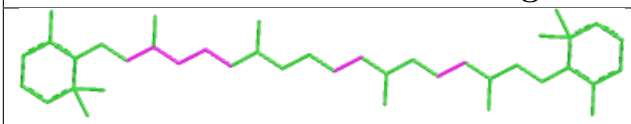


Torsions

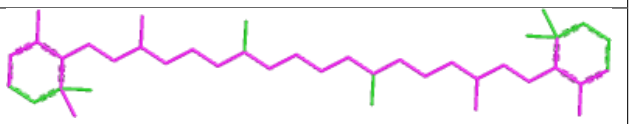


Rings

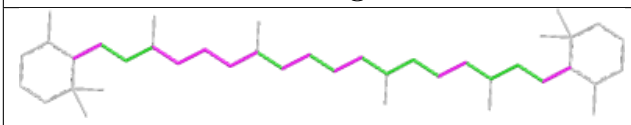
Ligand BCR H 847



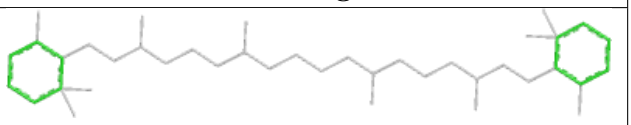
Bond lengths



Bond angles

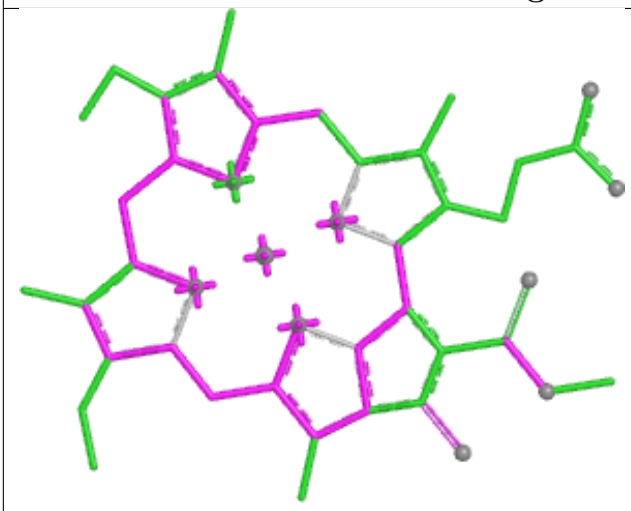


Torsions

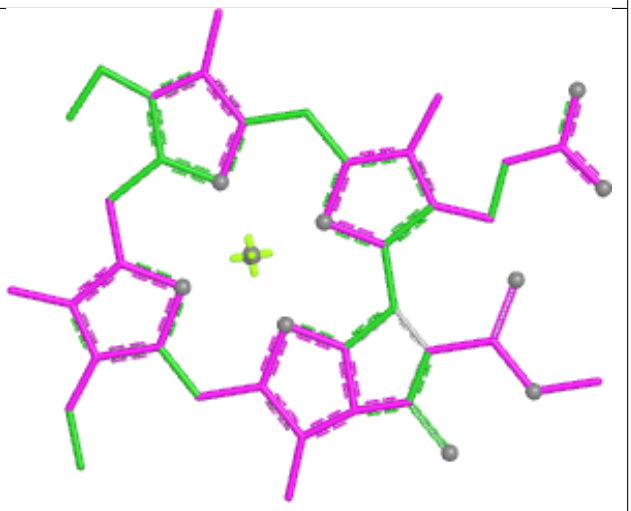


Rings

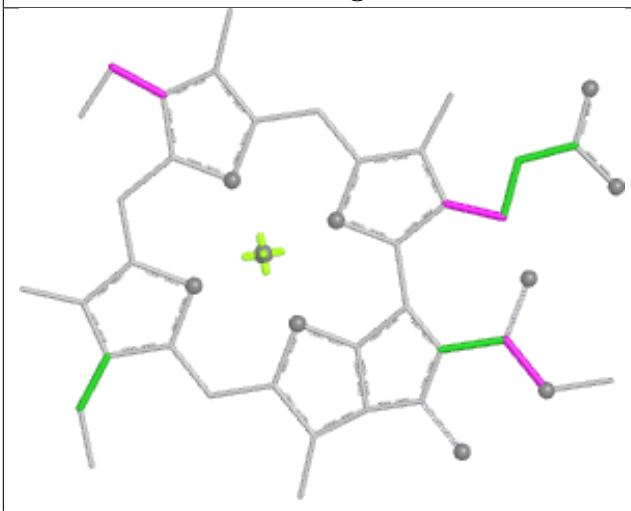
Ligand CLA b 810



Bond lengths



Bond angles

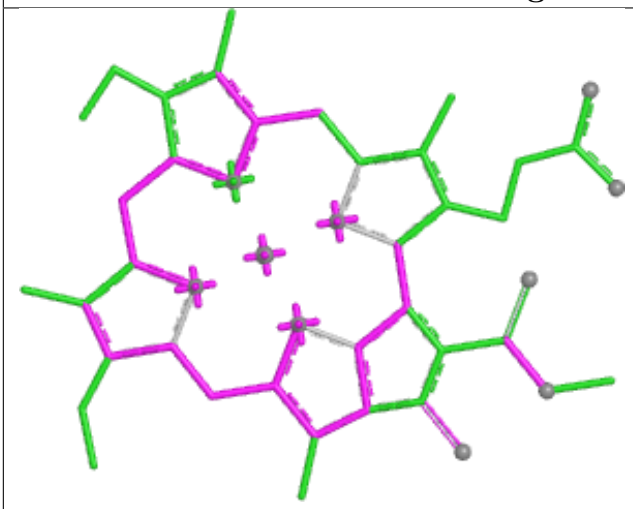


Torsions

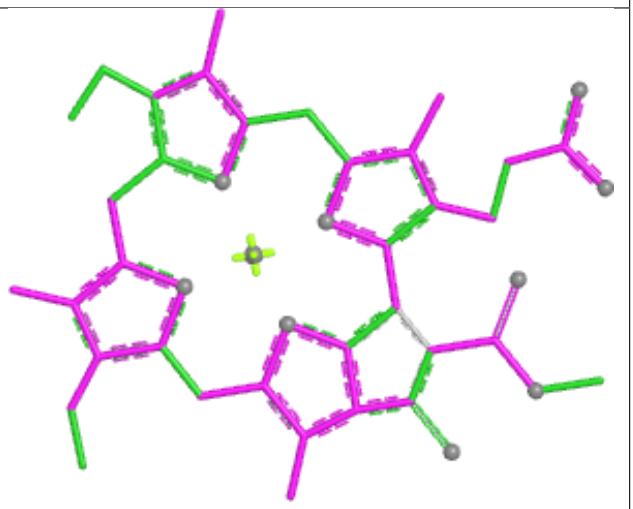


Rings

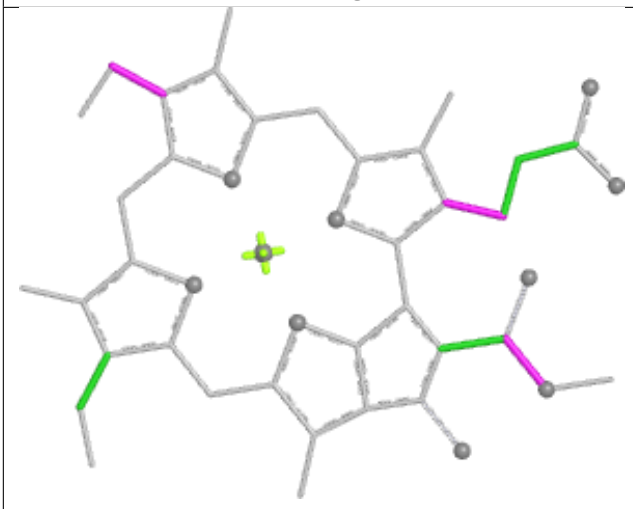
Ligand CLA b 834



Bond lengths



Bond angles

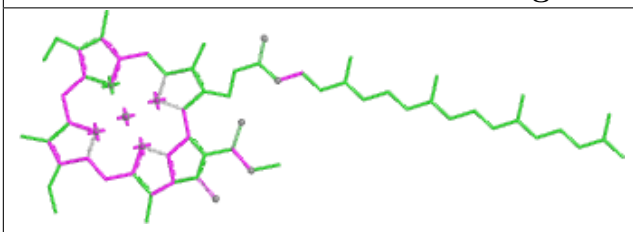


Torsions

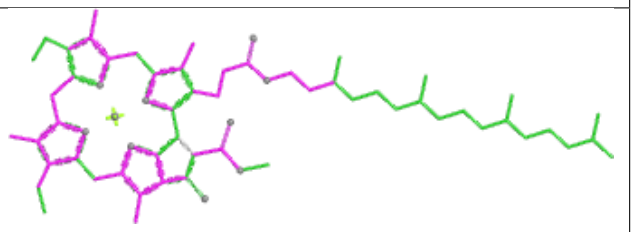


Rings

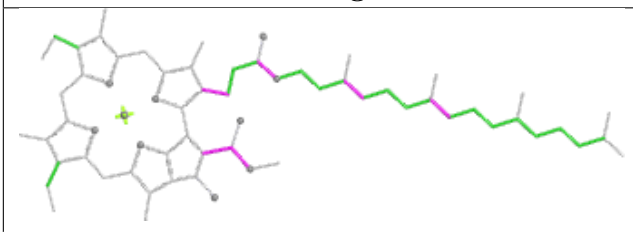
Ligand CLA l 203



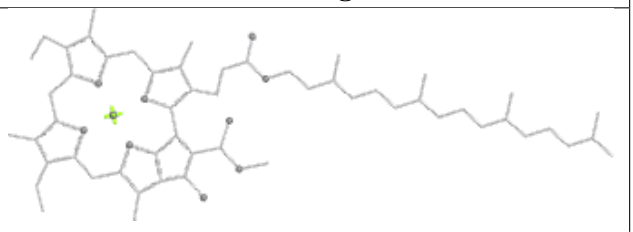
Bond lengths



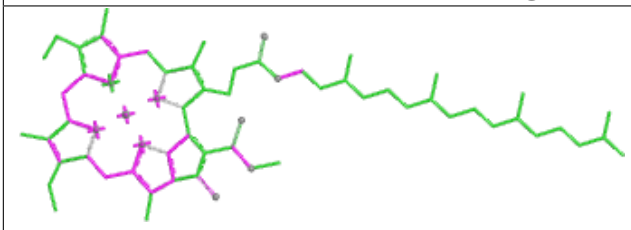
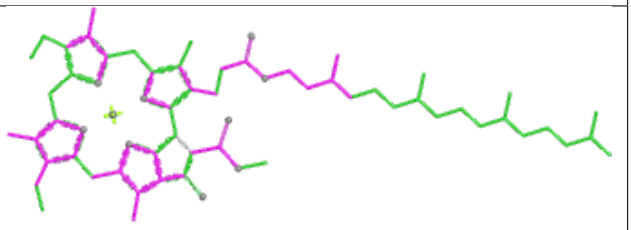
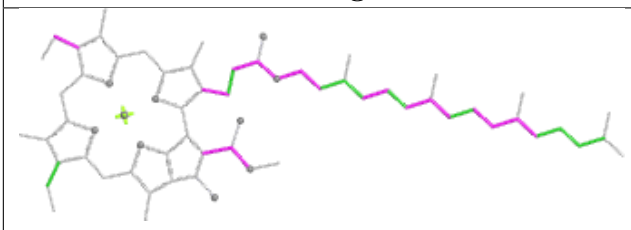
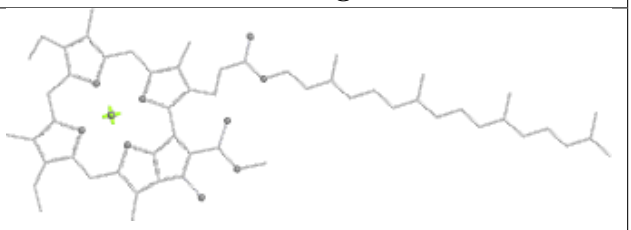
Bond angles

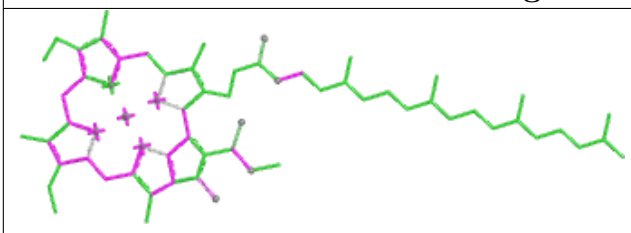
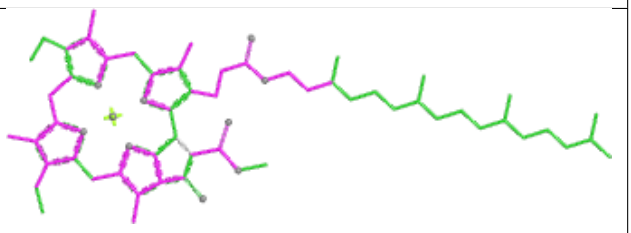
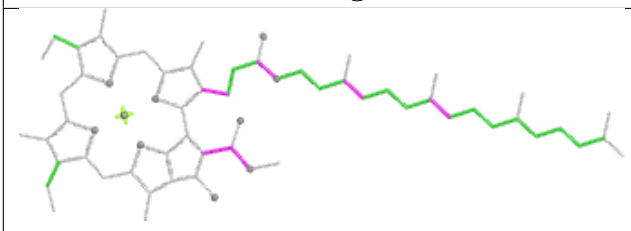
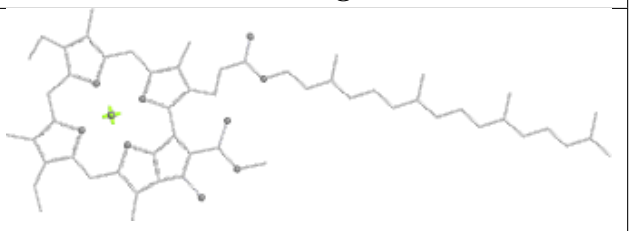


Torsions

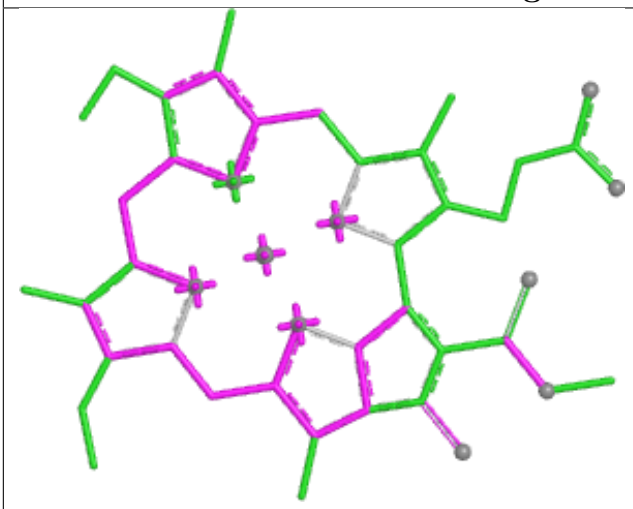


Rings

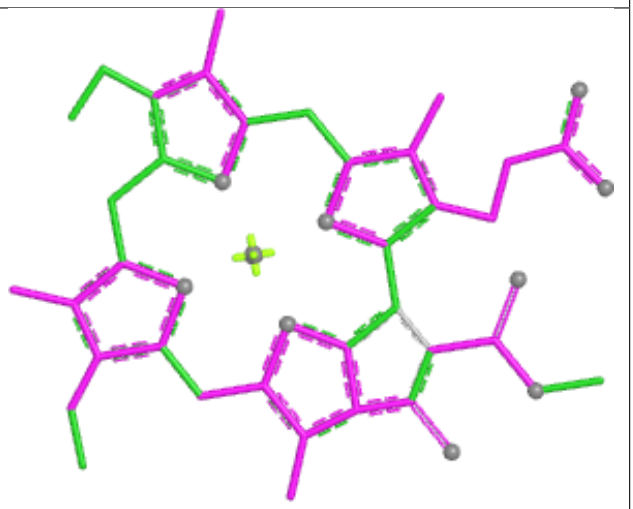
Ligand CLA G 804	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA U 205	
	
Bond lengths	Bond angles
	
Torsions	Rings

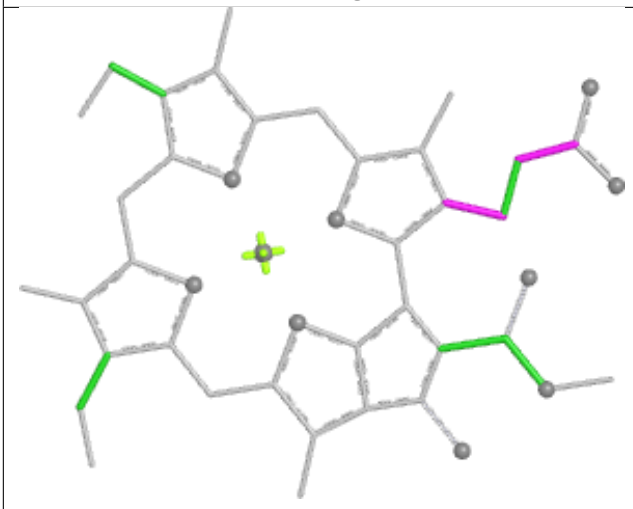
Ligand CLA H 825



Bond lengths



Bond angles

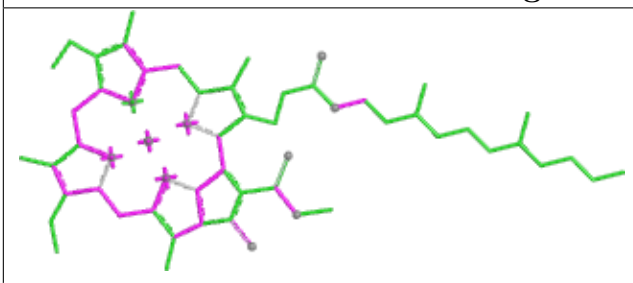


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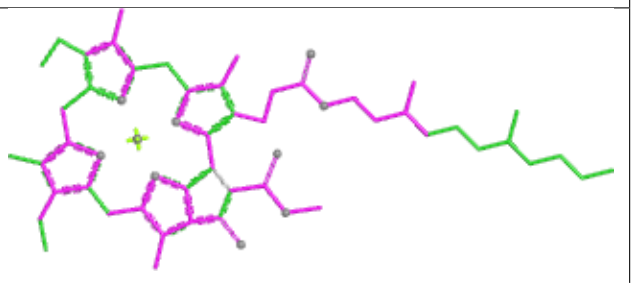


Rings

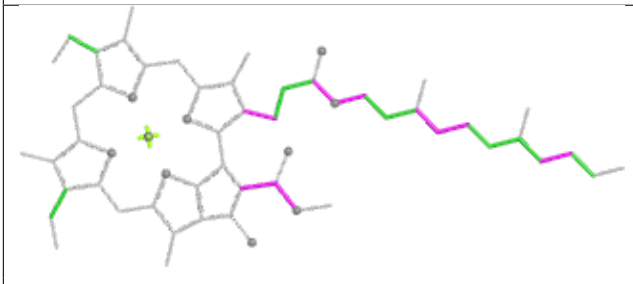
Ligand CLA H 834



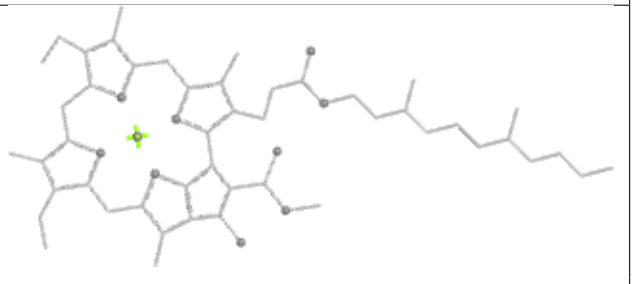
Bond lengths



Bond angles

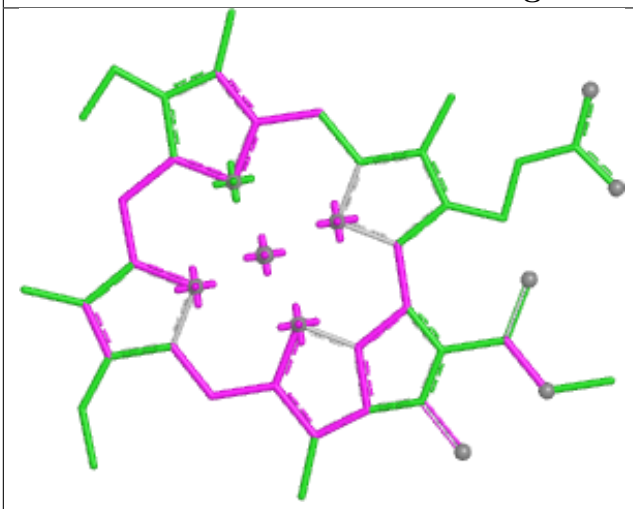


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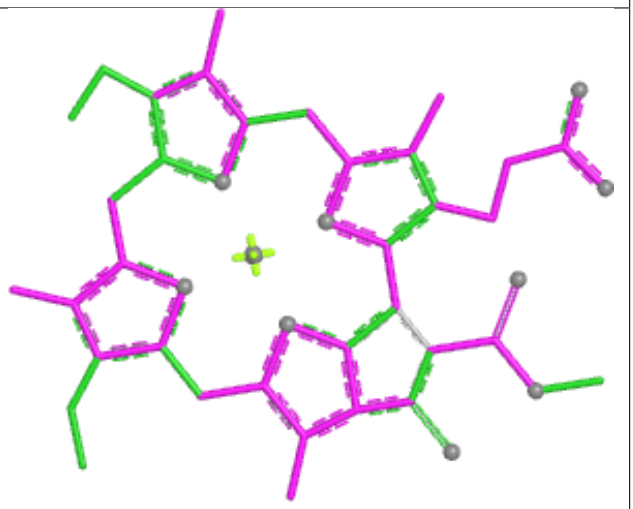


Rings

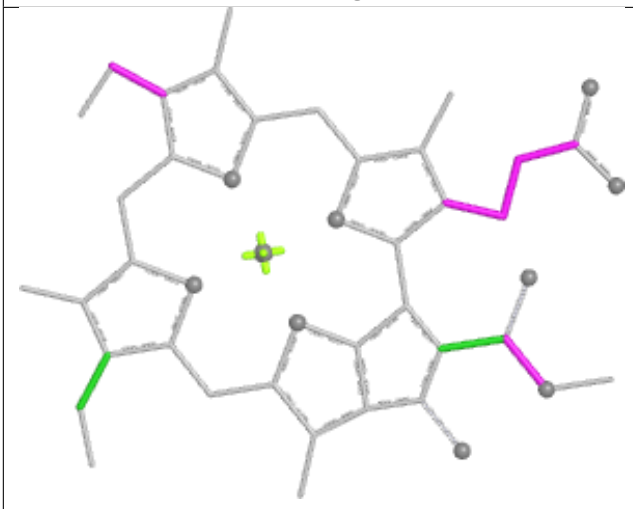
Ligand CLA A 809



Bond lengths



Bond angles

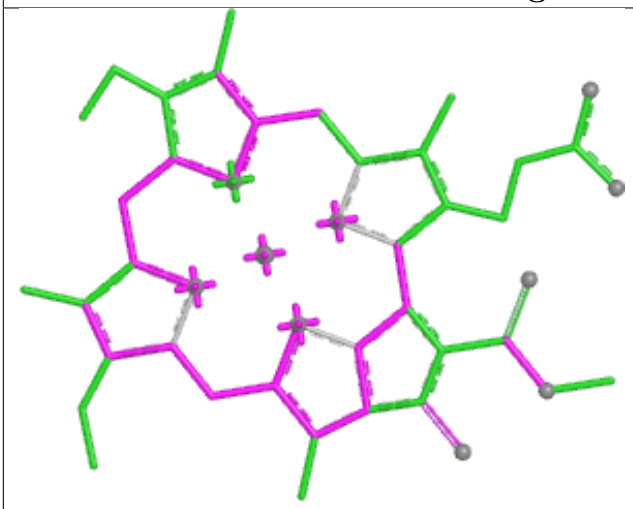


Torsions

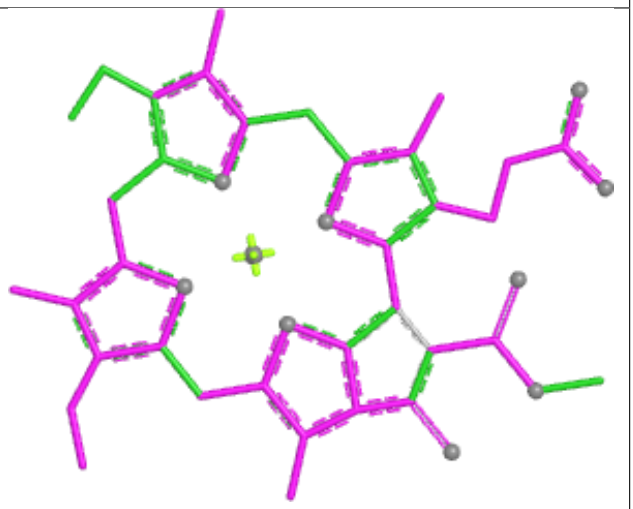


Rings

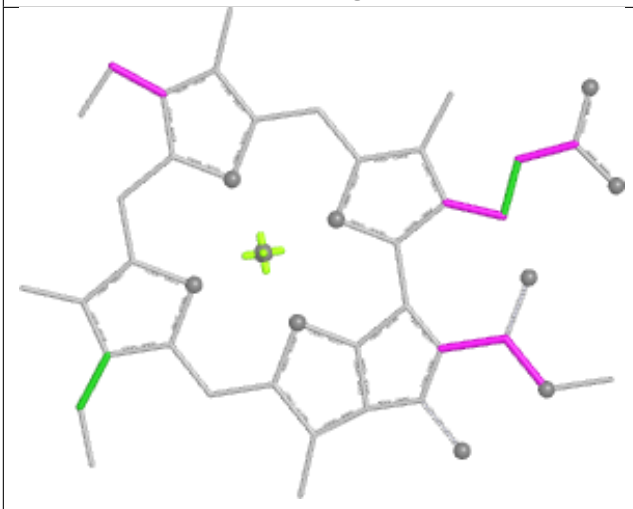
Ligand CLA a 821



Bond lengths



Bond angles

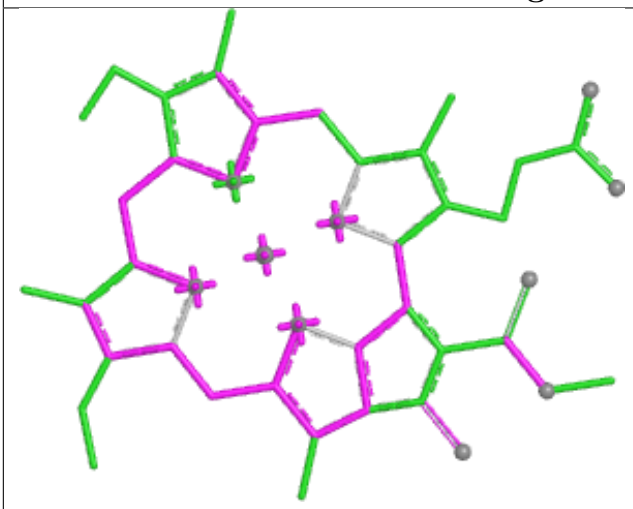


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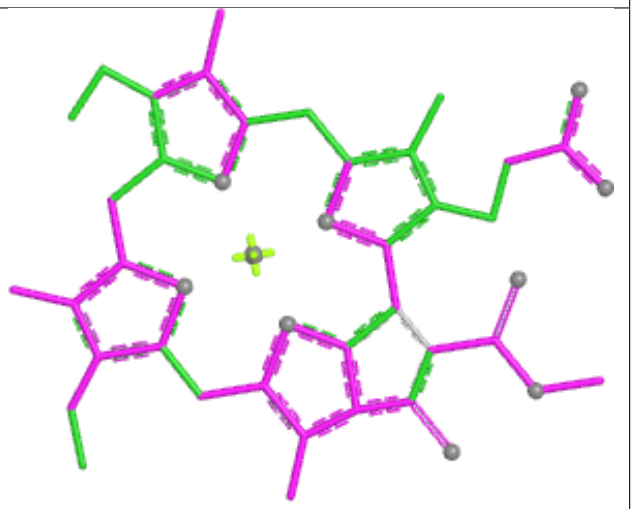


Rings

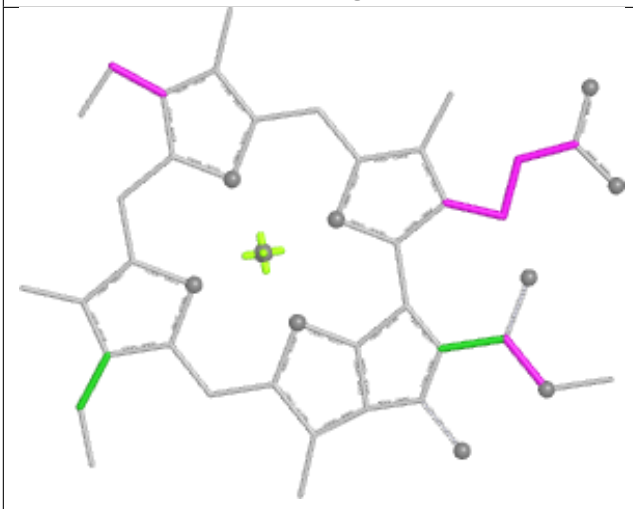
Ligand CLA b 830



Bond lengths



Bond angles

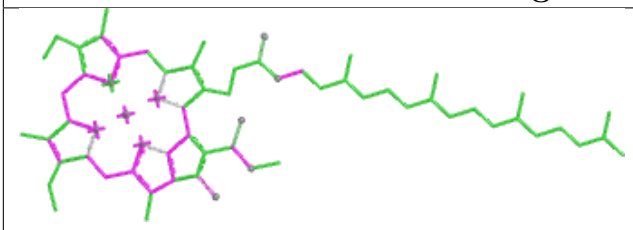


Torsions

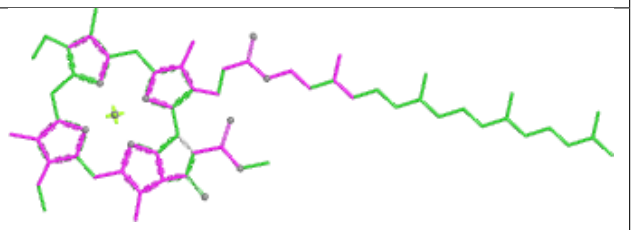


Rings

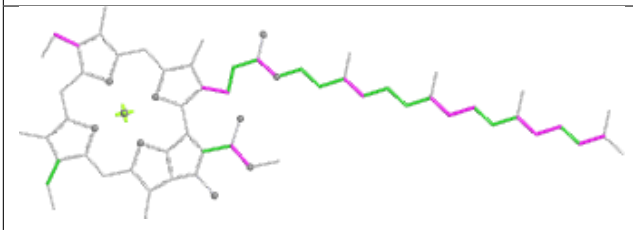
Ligand CLA l 204



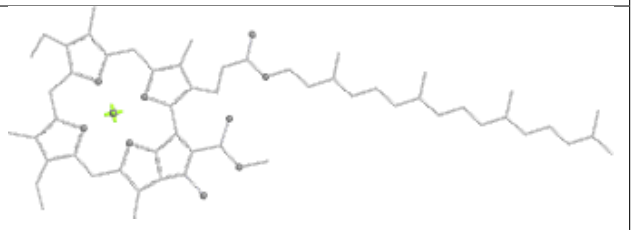
Bond lengths



Bond angles

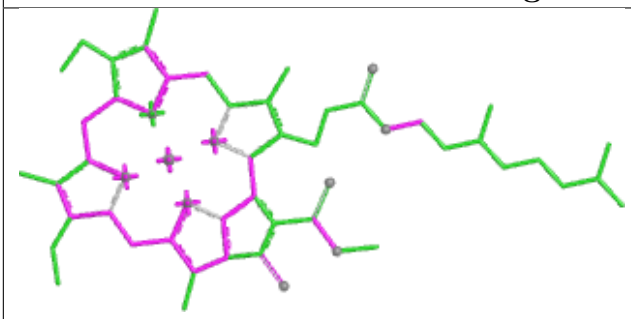


Torsions

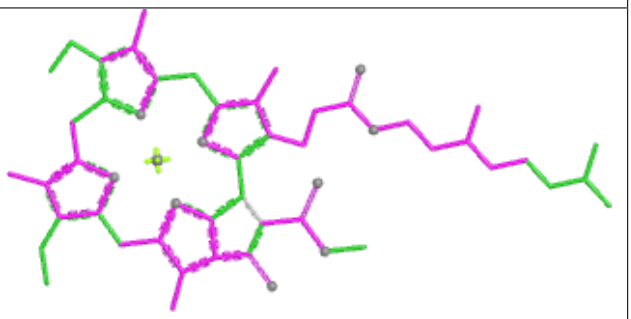


Rings

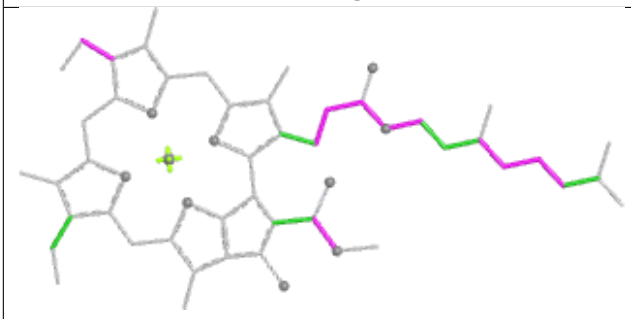
Ligand CLA H 819



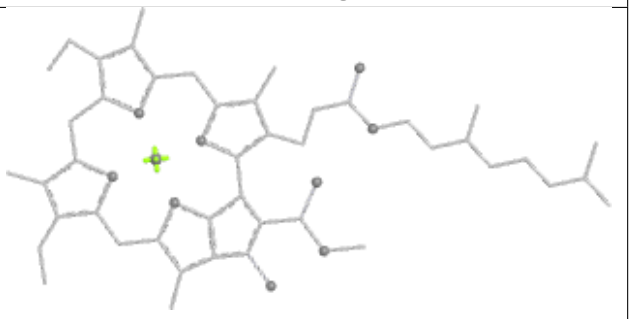
Bond lengths



Bond angles

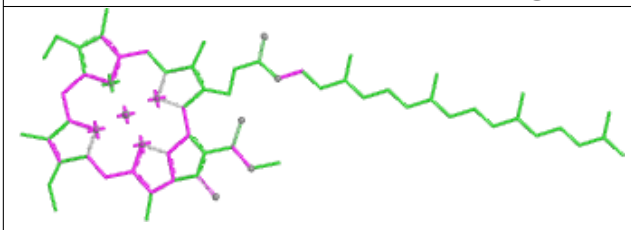


Torsions

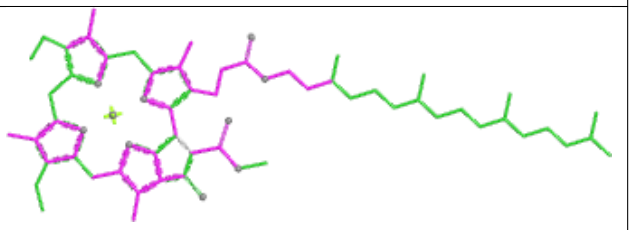


Rings

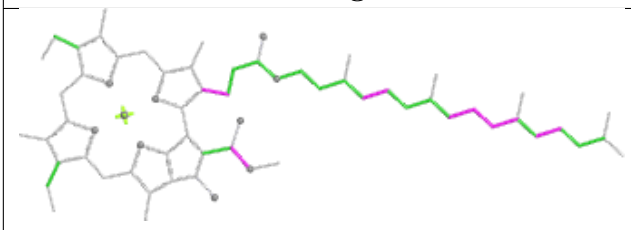
Ligand CLA a 808



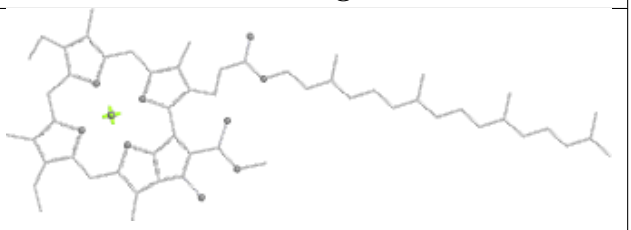
Bond lengths



Bond angles

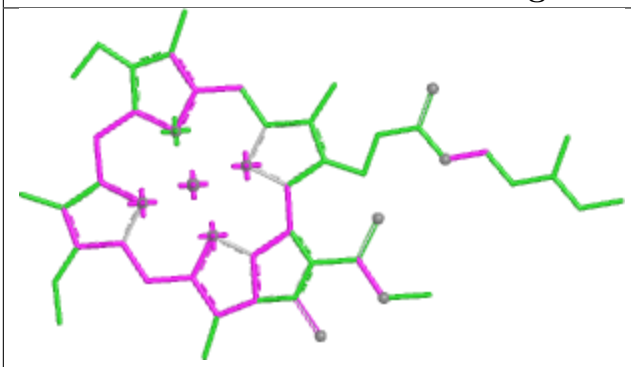


Torsions

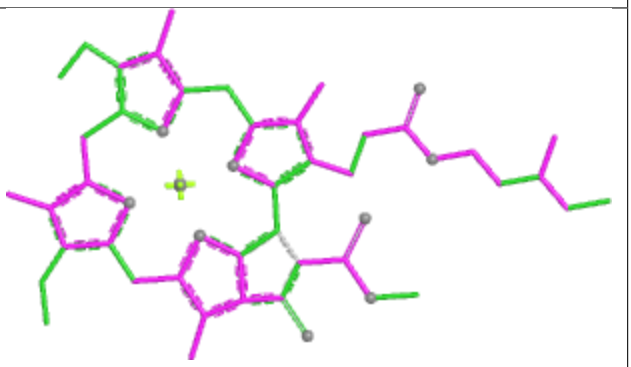


Rings

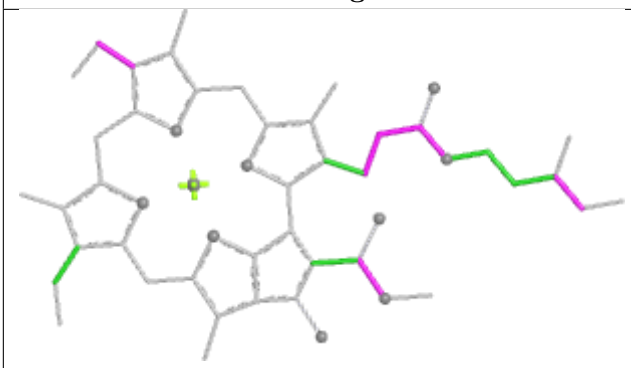
Ligand CLA a 822



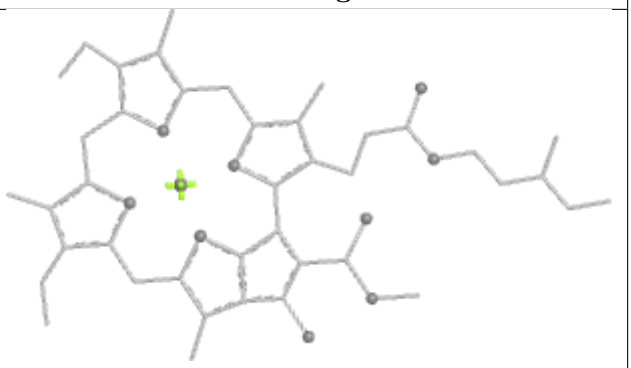
Bond lengths



Bond angles

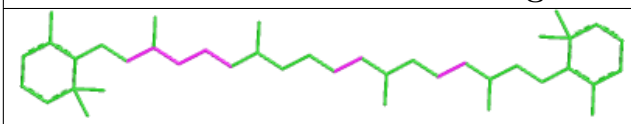


Torsions

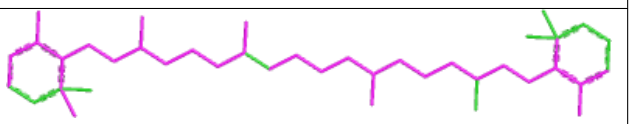


Rings

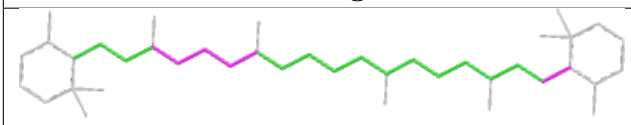
Ligand BCR a 847



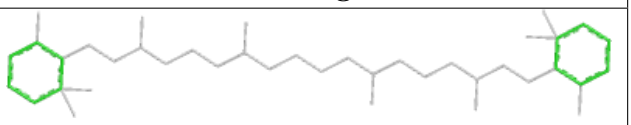
Bond lengths



Bond angles

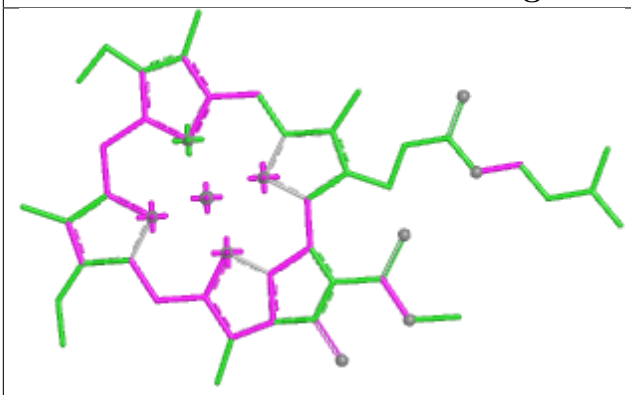


Torsions

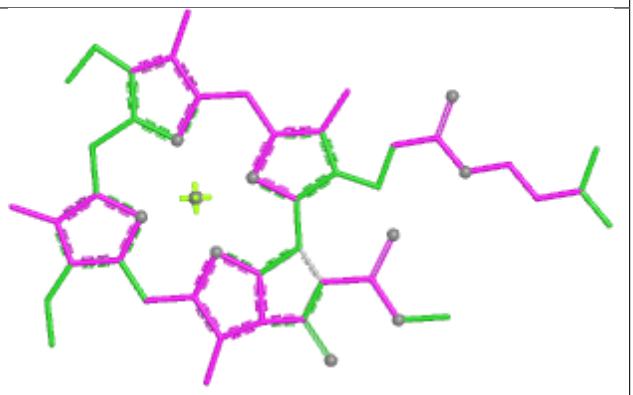


Rings

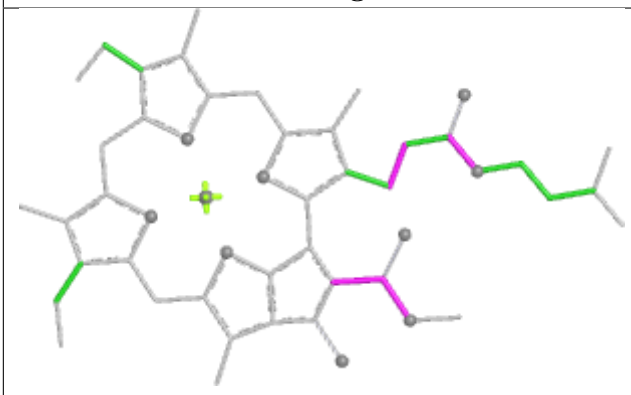
Ligand CLA H 807



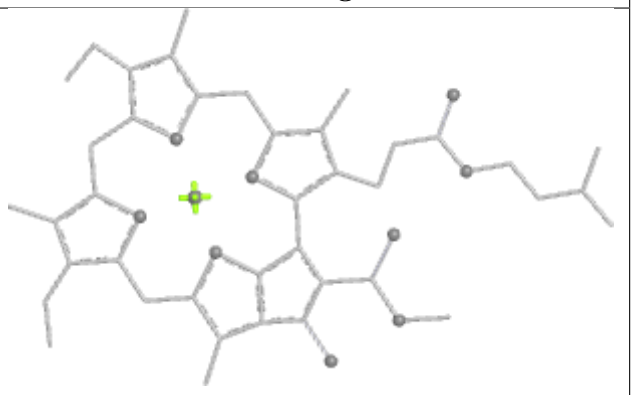
Bond lengths



Bond angles

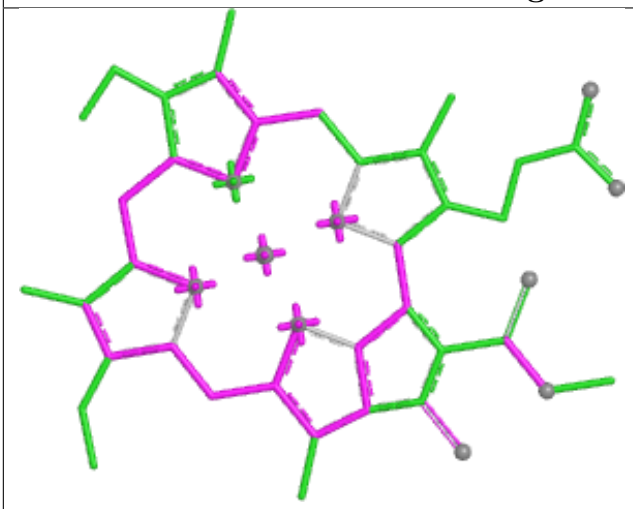


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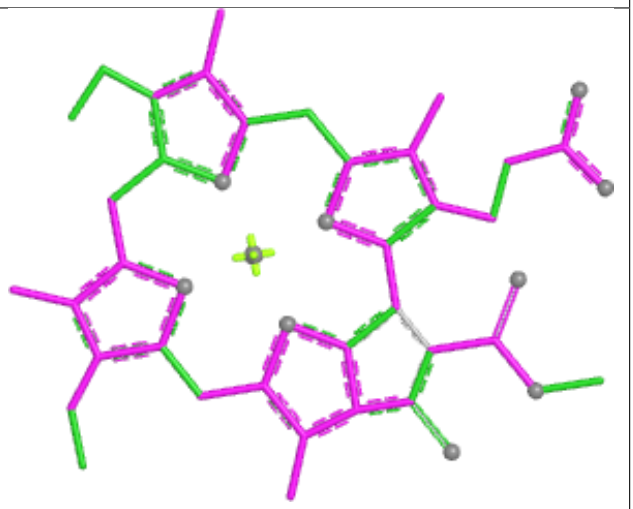


Rings

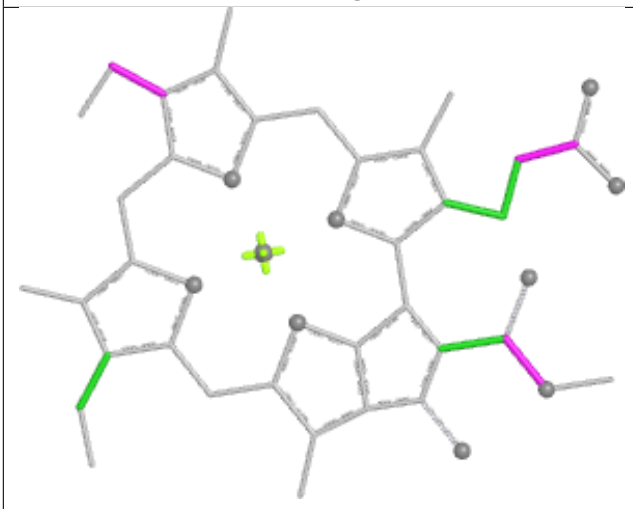
Ligand CLA b 835



Bond lengths



Bond angles

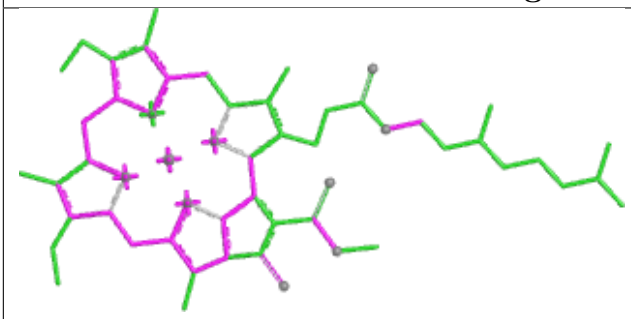


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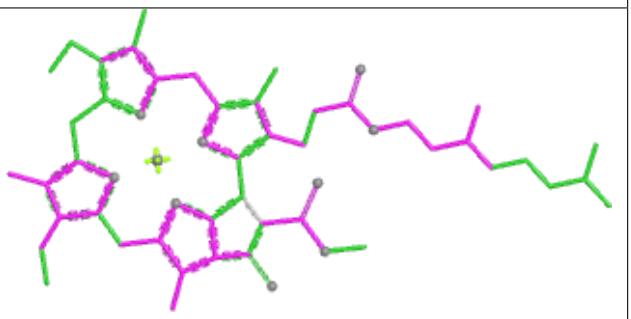


Rings

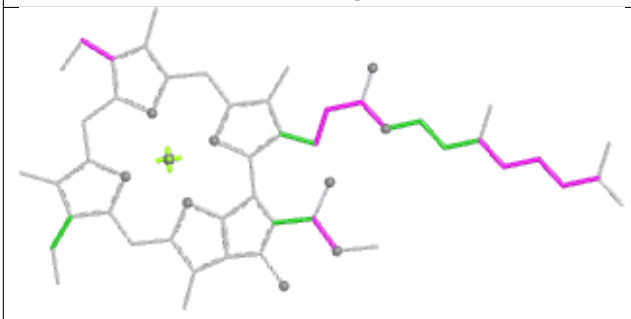
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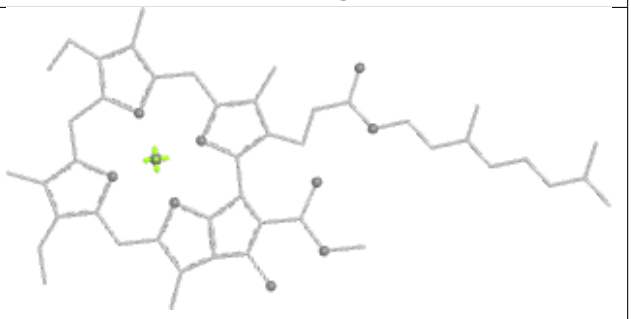
Bond lengths



Bond angles

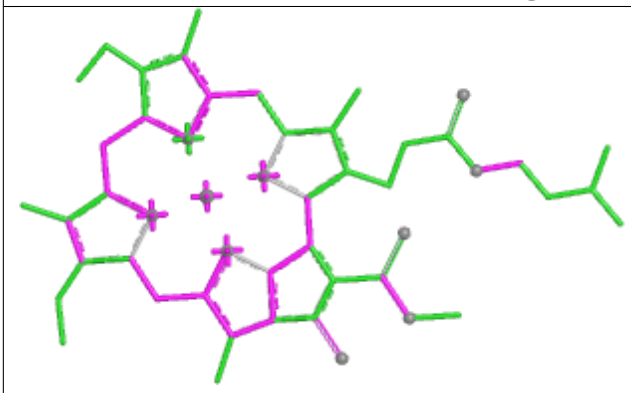


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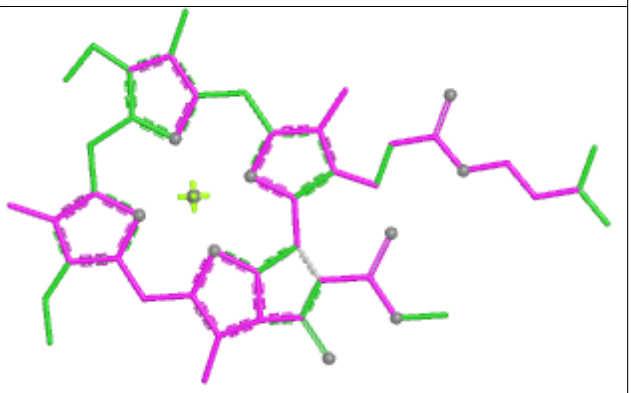


Rings

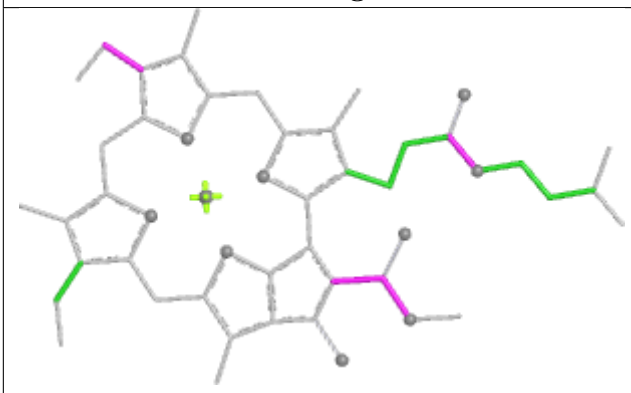
Ligand CLA G 835



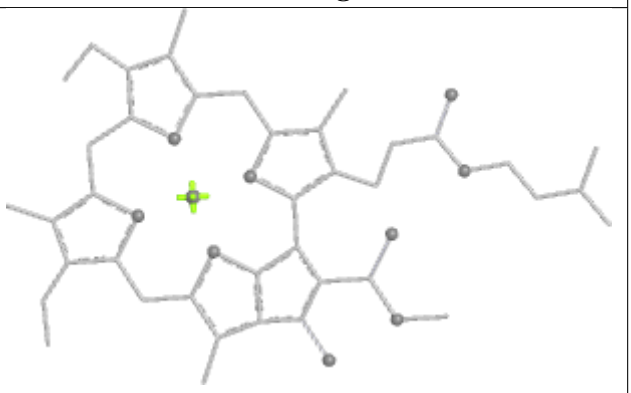
Bond lengths



Bond angles

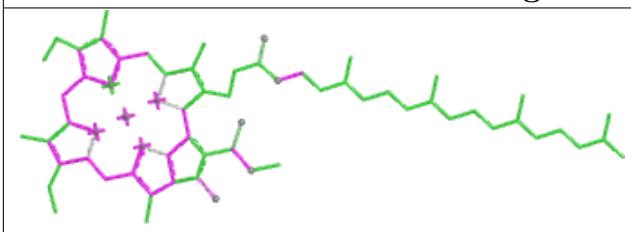


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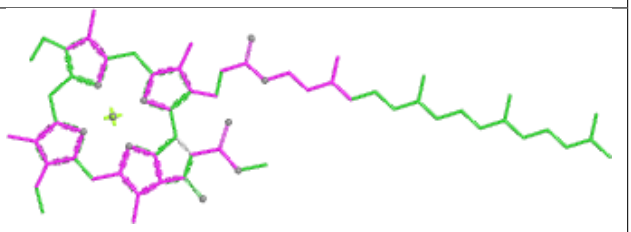


Rings

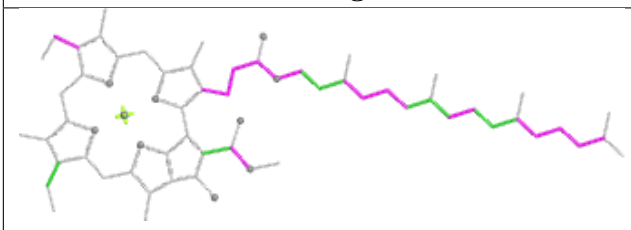
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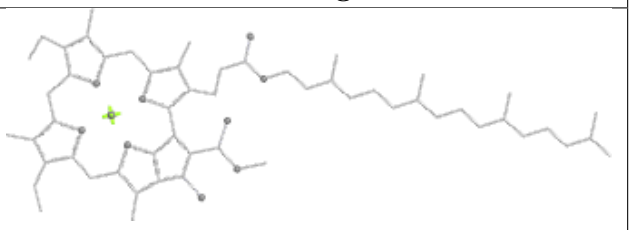
Bond lengths



Bond angles

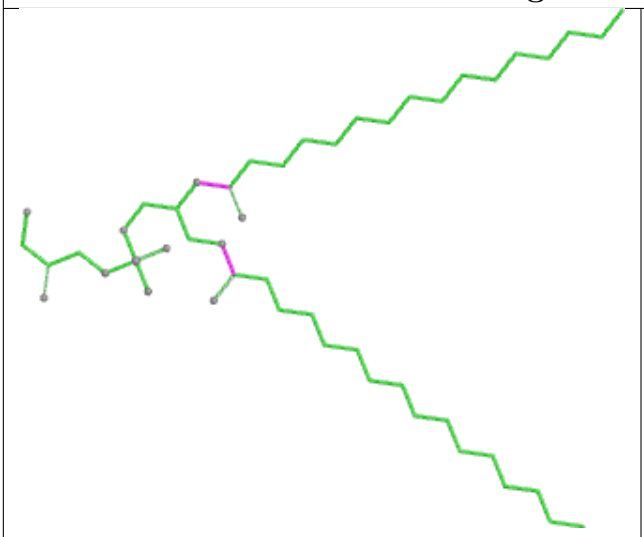


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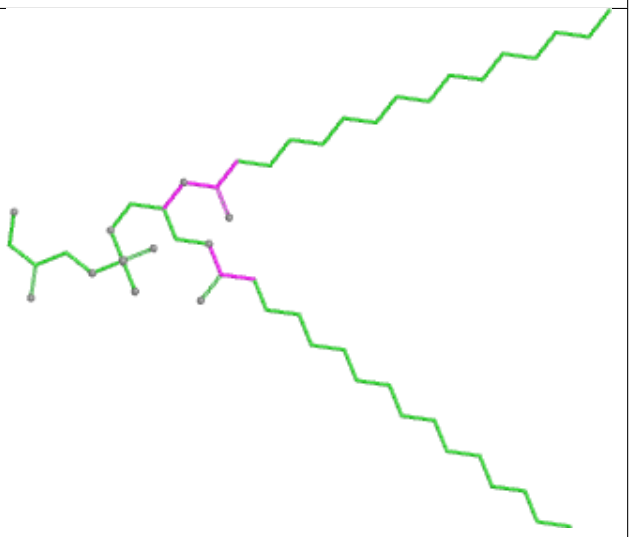


Rings

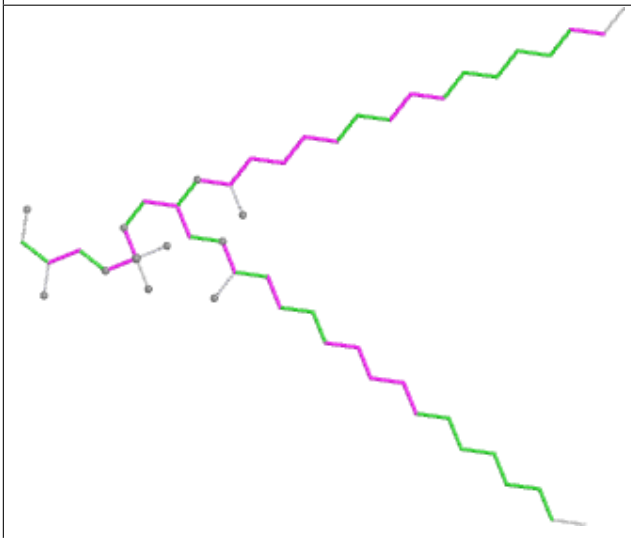
Ligand LHG a 850



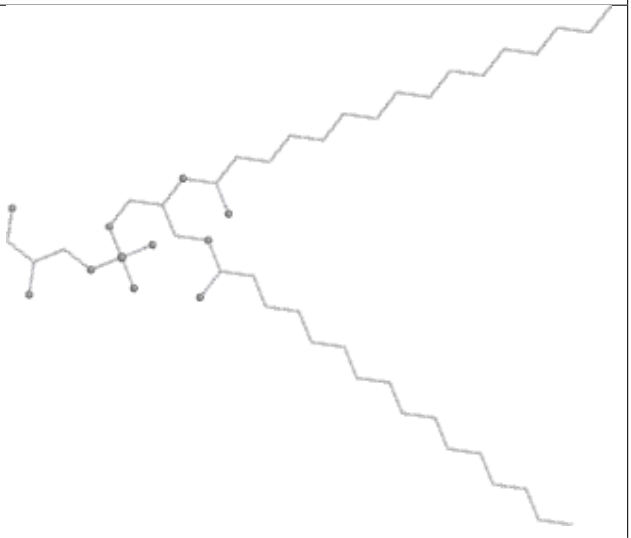
Bond lengths



Bond angles

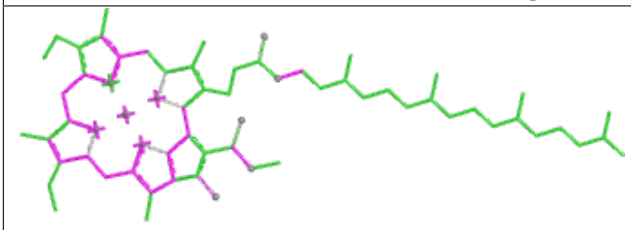


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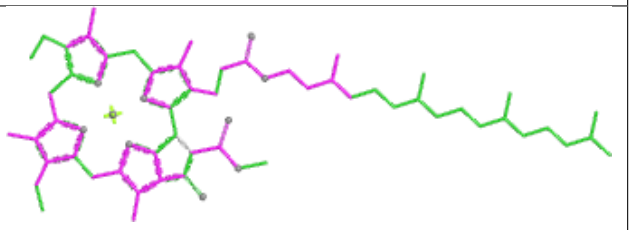


Rings

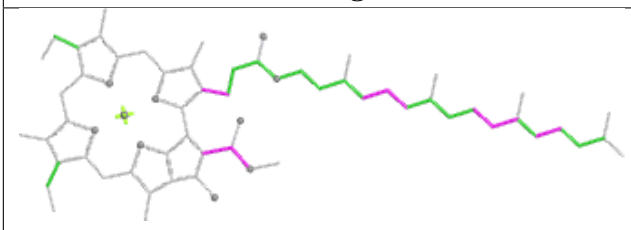
Ligand CLA B 828



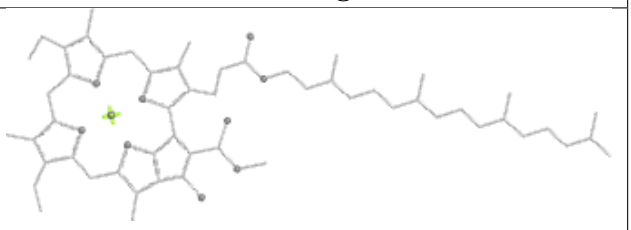
Bond lengths



Bond angles

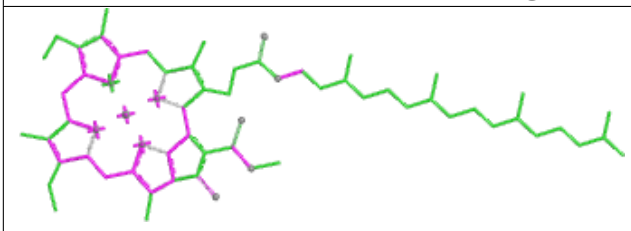


Torsions

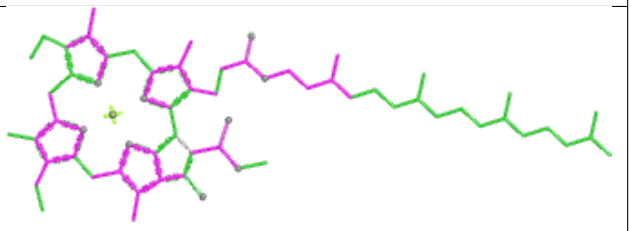


Rings

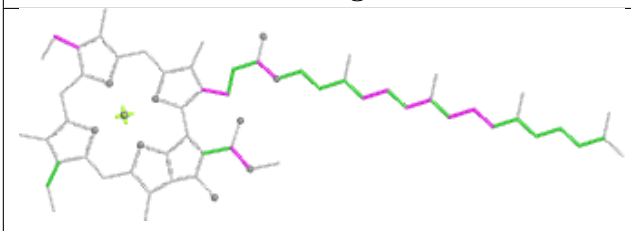
Ligand CLA H 821



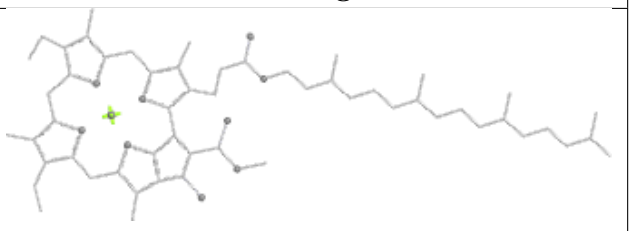
Bond lengths



Bond angles

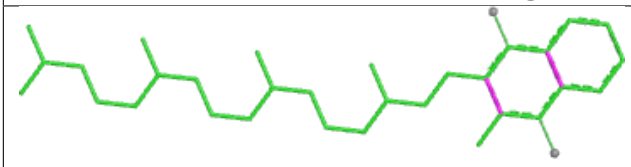


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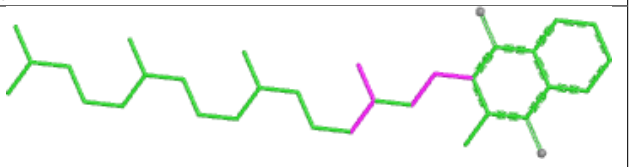


Rings

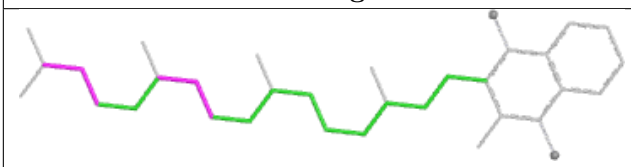
Ligand PQN B 843



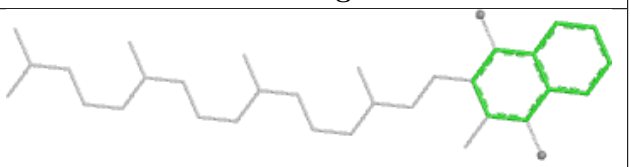
Bond lengths



Bond angles

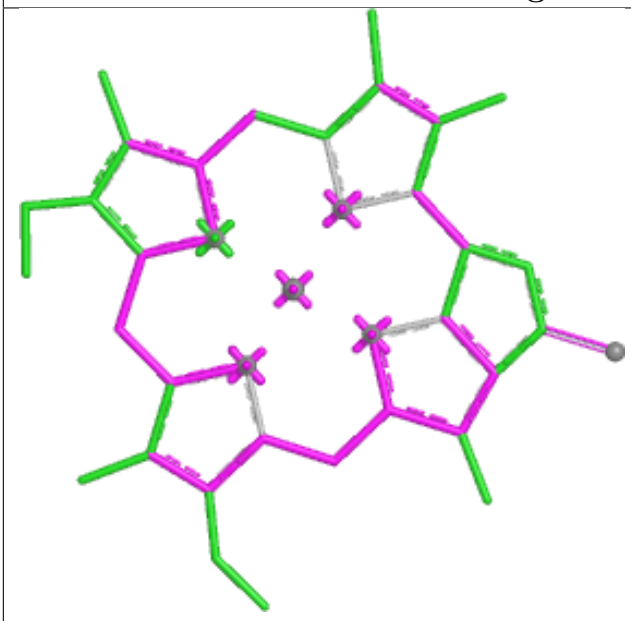


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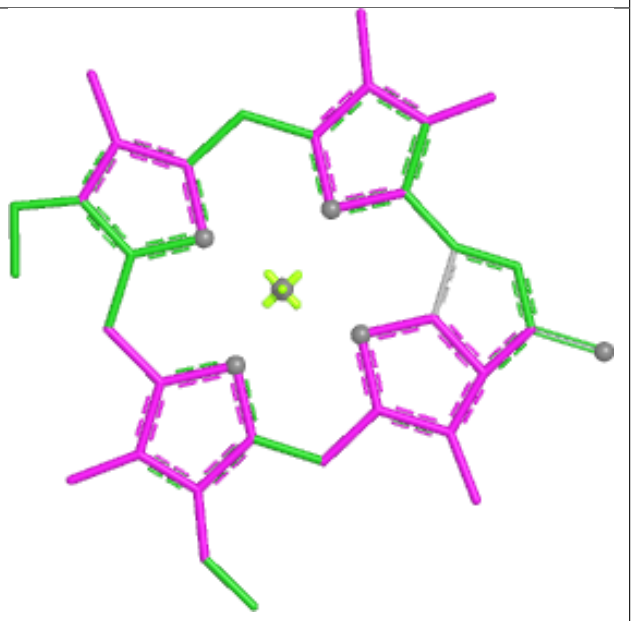


Rings

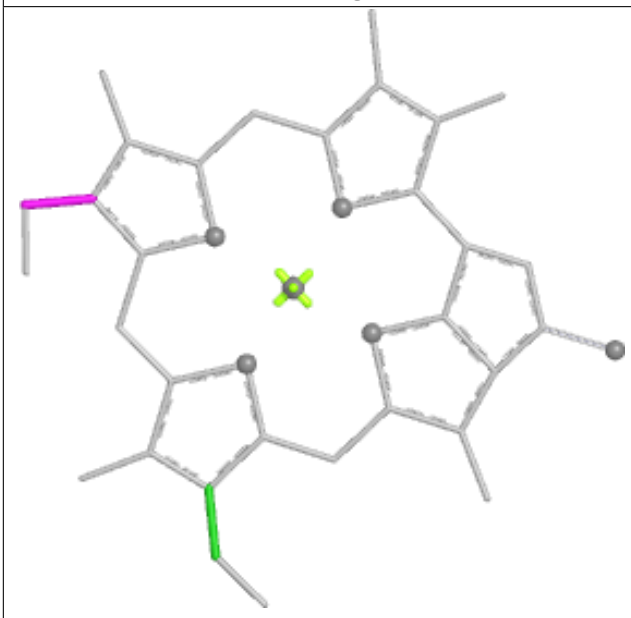
Ligand CLA S 102



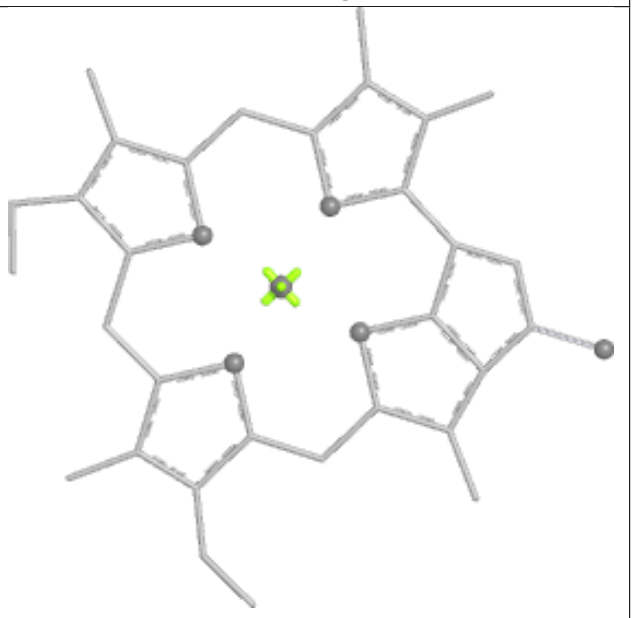
Bond lengths



Bond angles

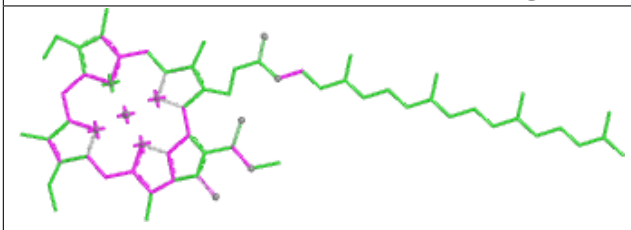


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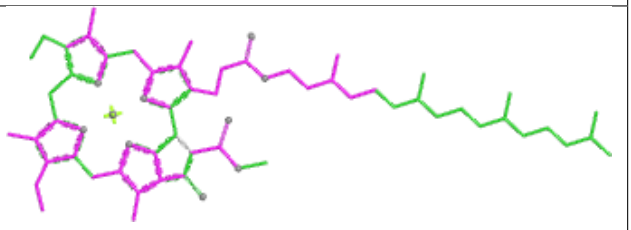


Rings

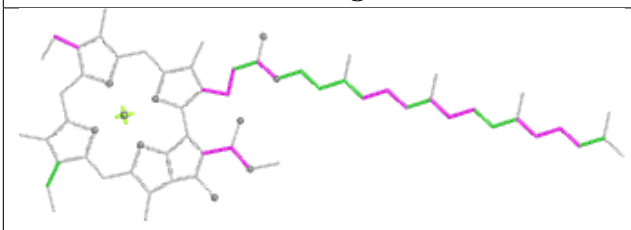
Ligand CLA G 807



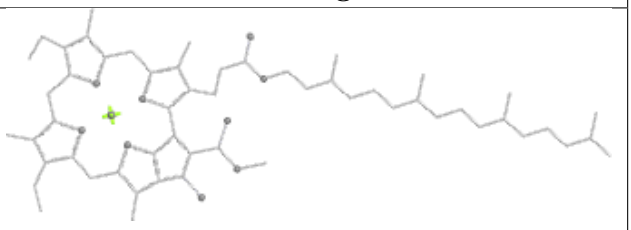
Bond lengths



Bond angles

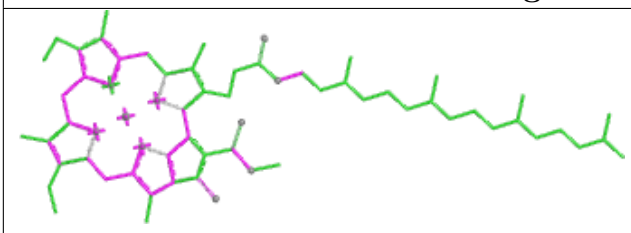


Torsions

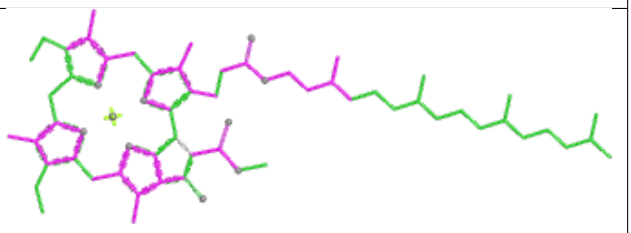


Rings

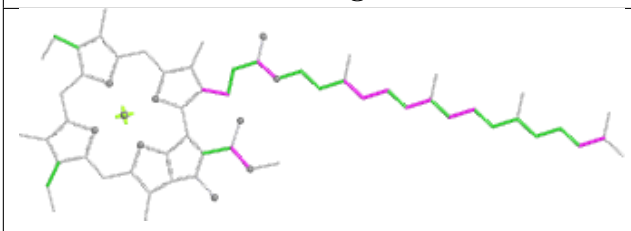
Ligand CLA H 803



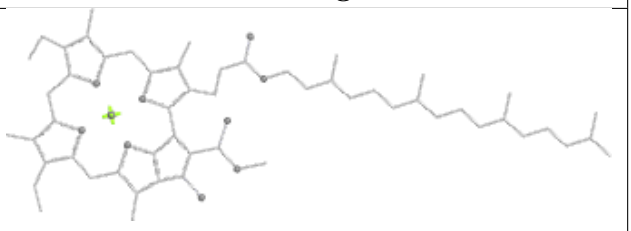
Bond lengths



Bond angles

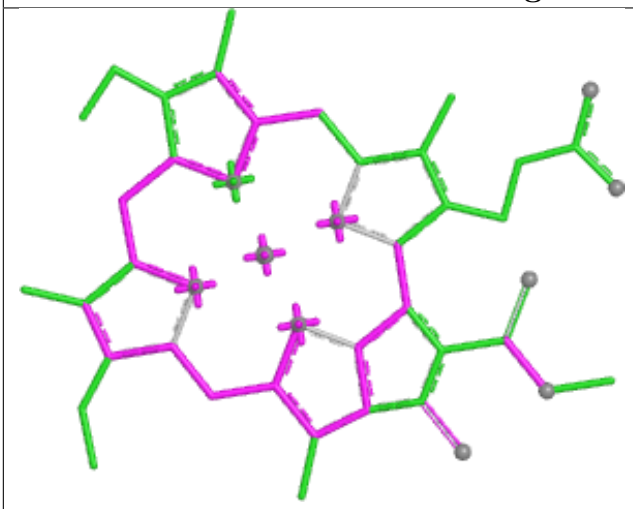


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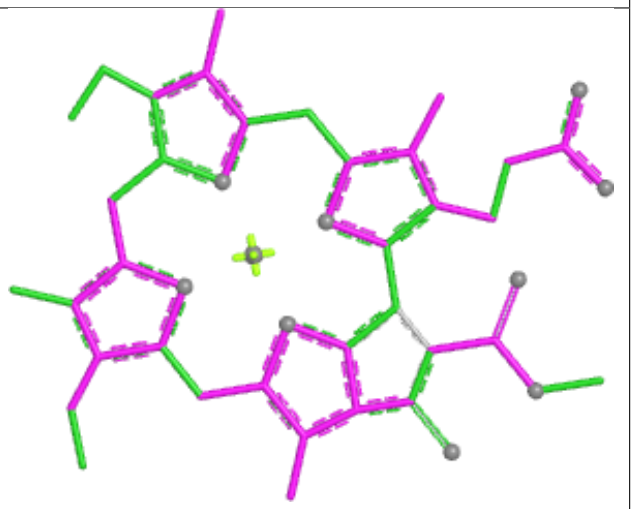


Rings

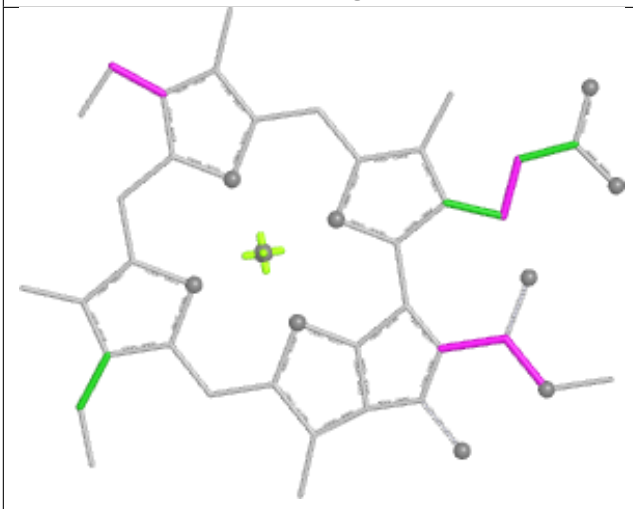
Ligand CLA B 817



Bond lengths



Bond angles

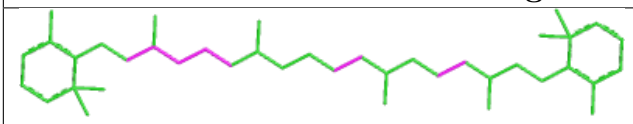


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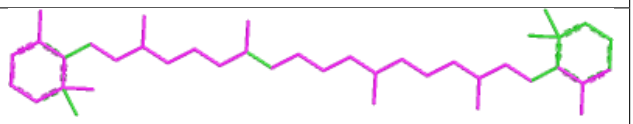


Rings

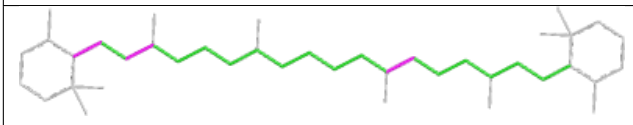
Ligand BCR b 850



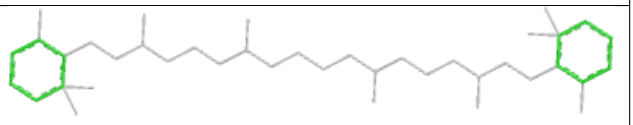
Bond lengths



Bond angles

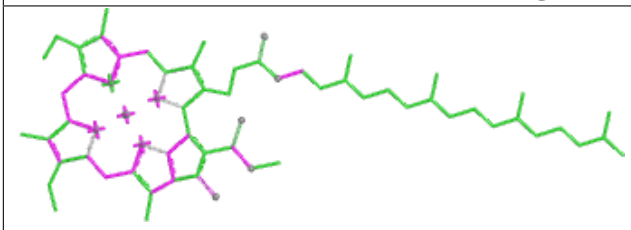


Torsions

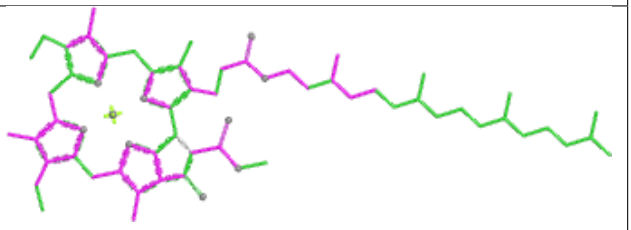


Rings

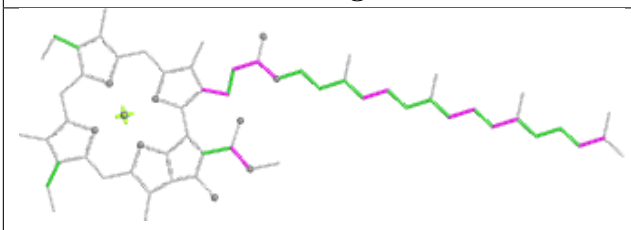
Ligand CL0 a 801



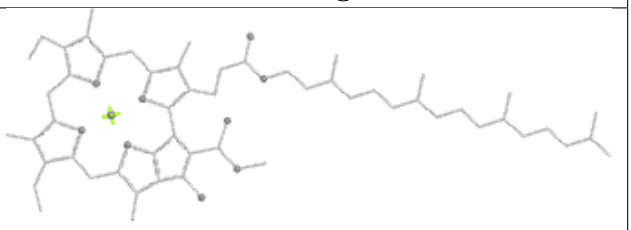
Bond lengths



Bond angles

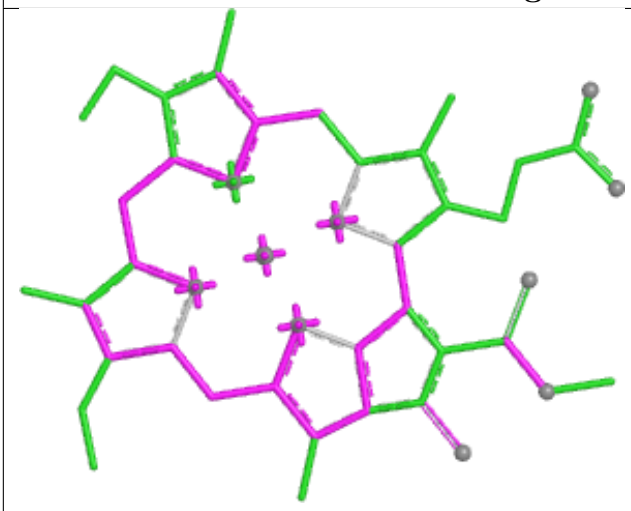


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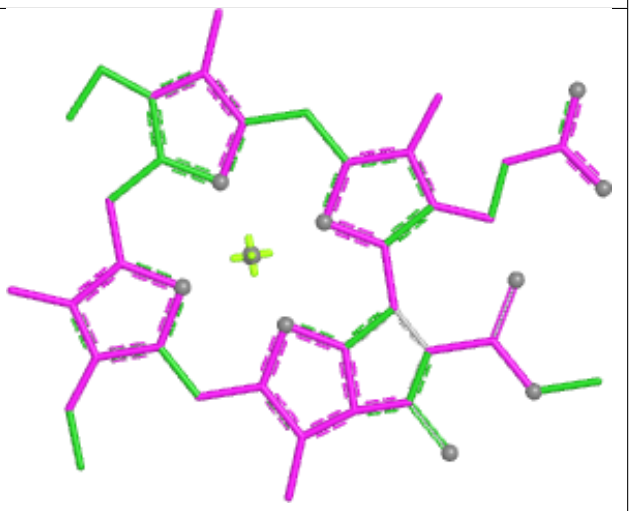


Rings

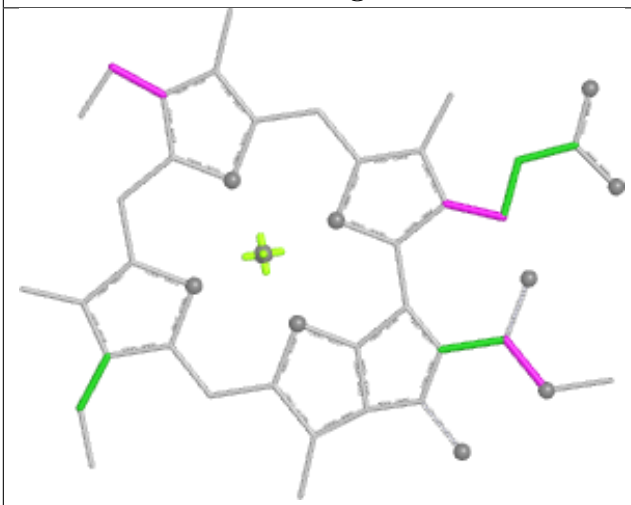
Ligand CLA B 836



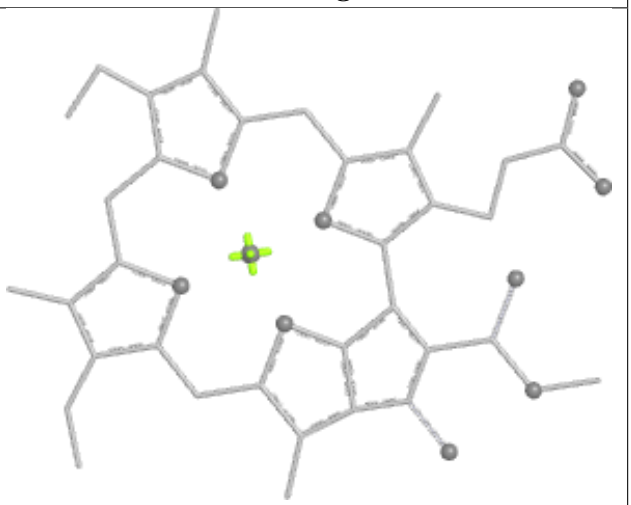
Bond lengths



Bond angles

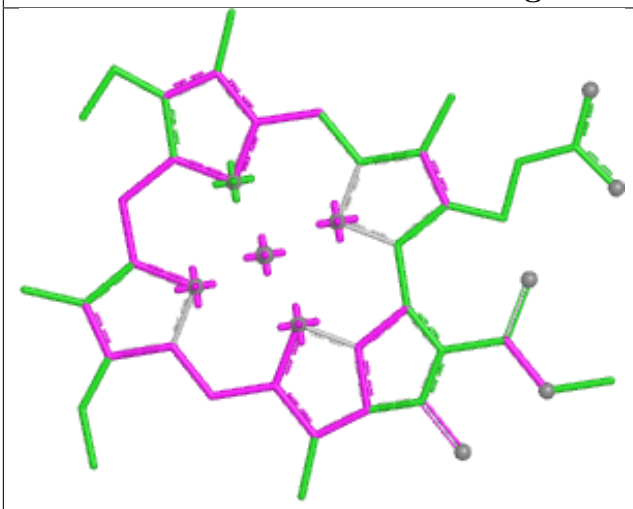


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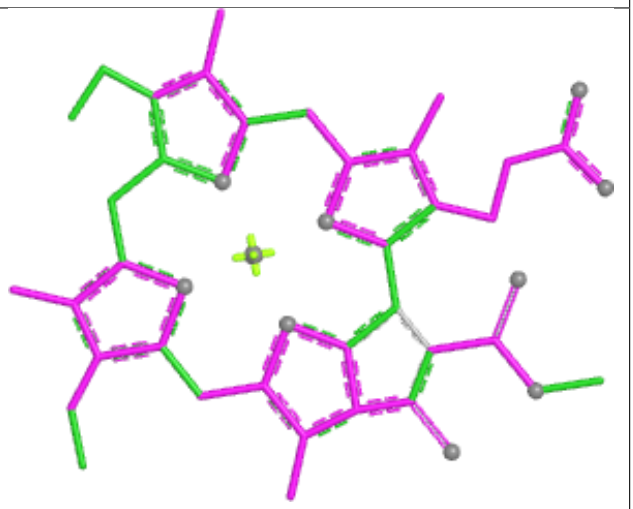


Rings

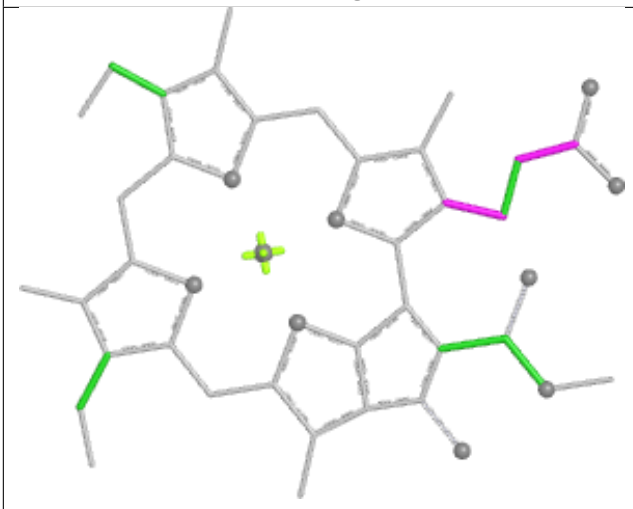
Ligand CLA B 825



Bond lengths



Bond angles

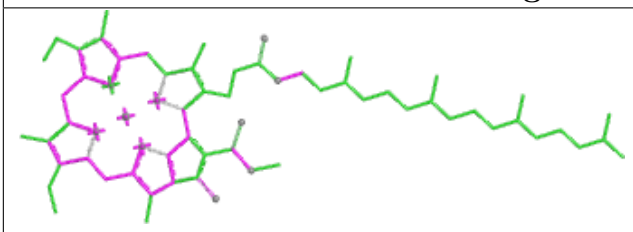


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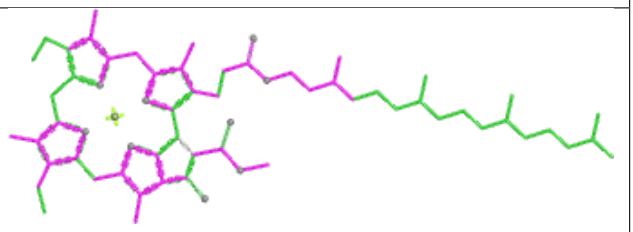


Rings

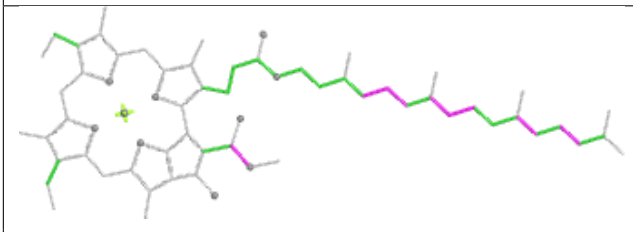
Ligand CLA H 804



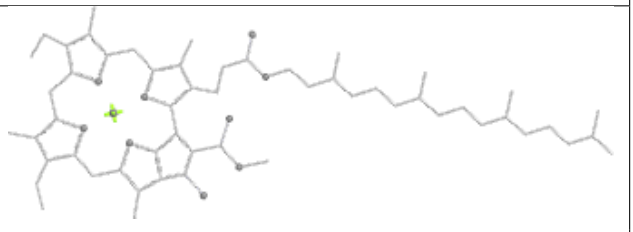
Bond lengths



Bond angles

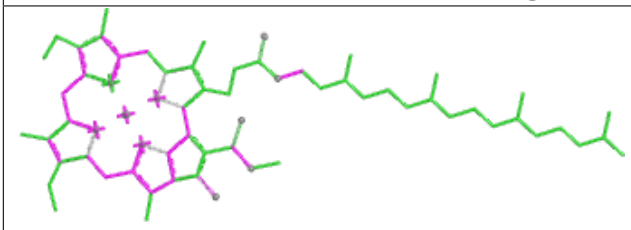


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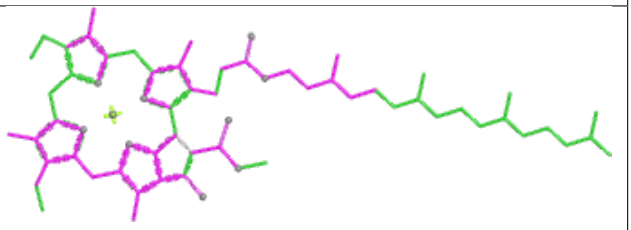


Rings

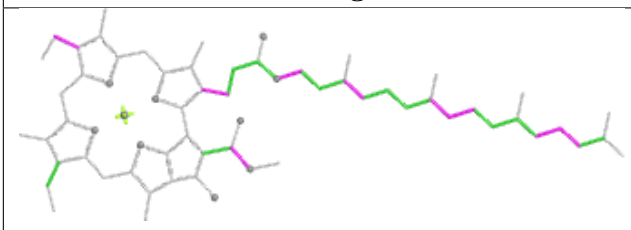
Ligand CLA A 826



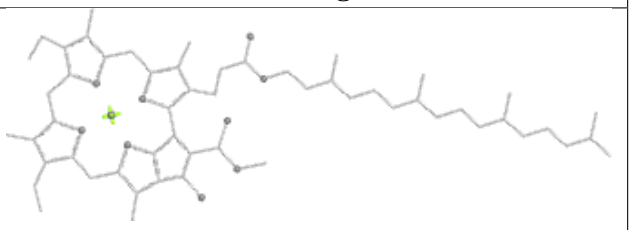
Bond lengths



Bond angles

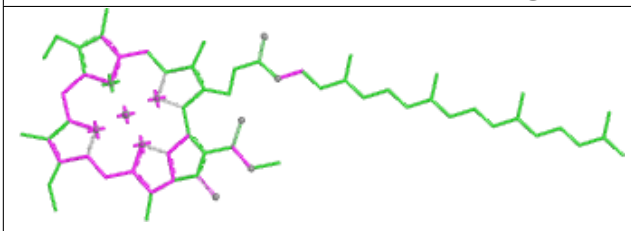


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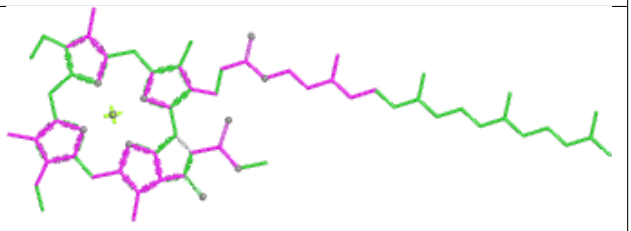


Rings

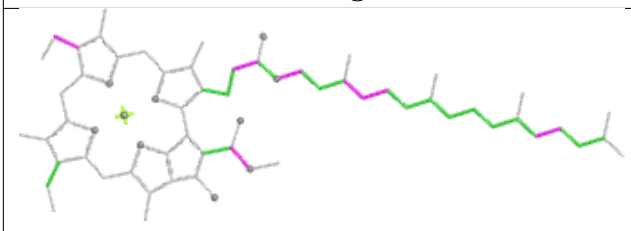
Ligand CLA B 810



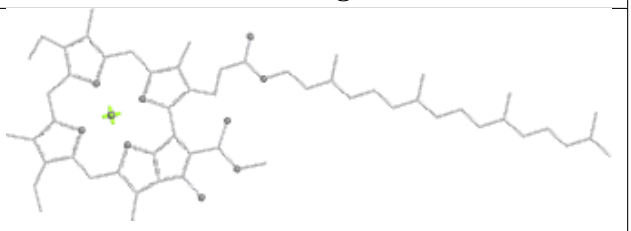
Bond lengths



Bond angles

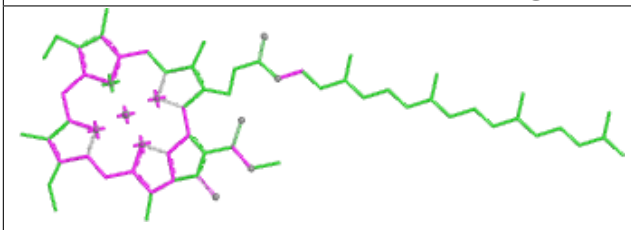


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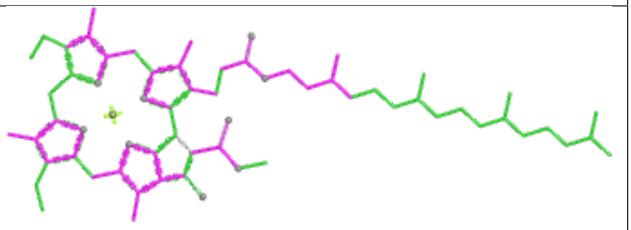


Rings

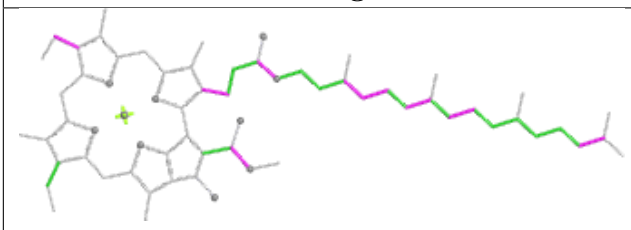
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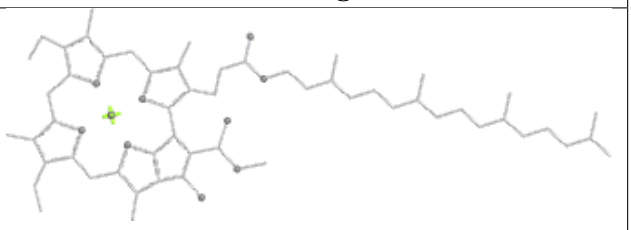
Bond lengths



Bond angles

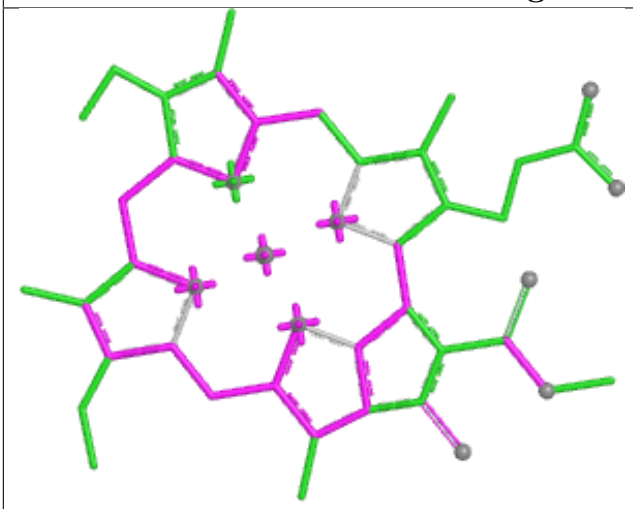


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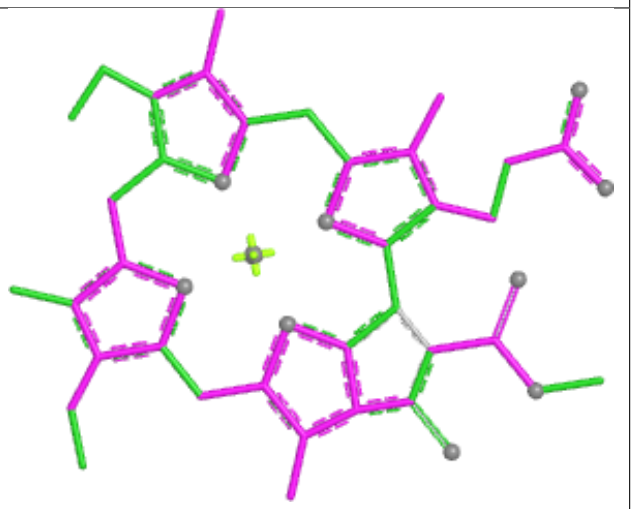


Rings

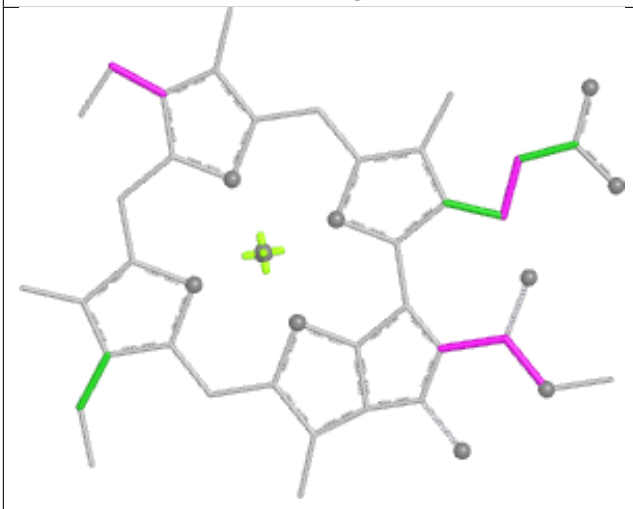
Ligand CLA b 814



Bond lengths



Bond angles

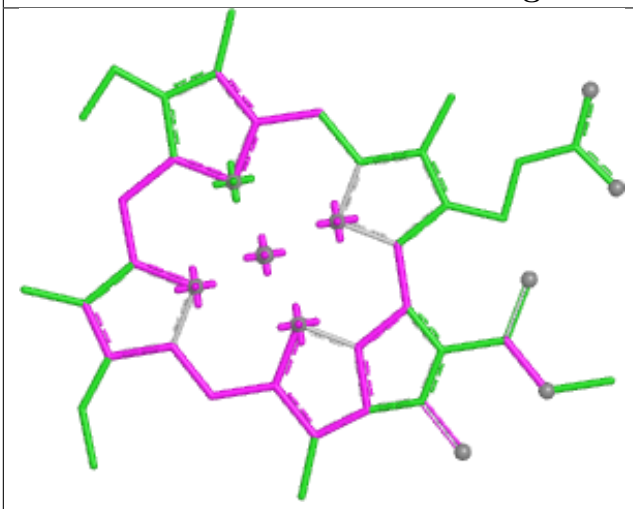


Torsions

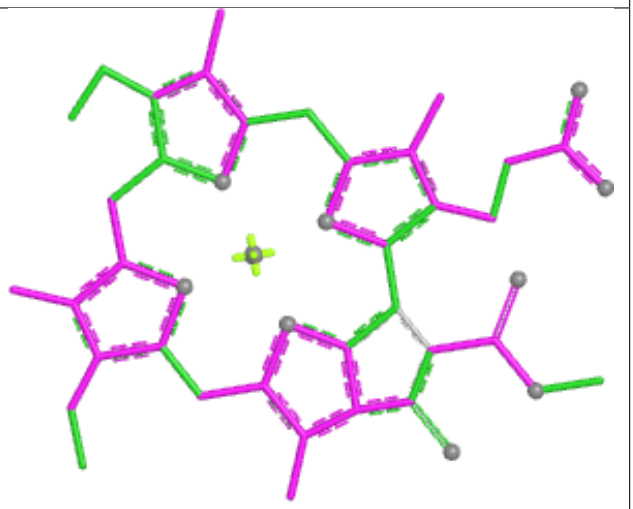


Rings

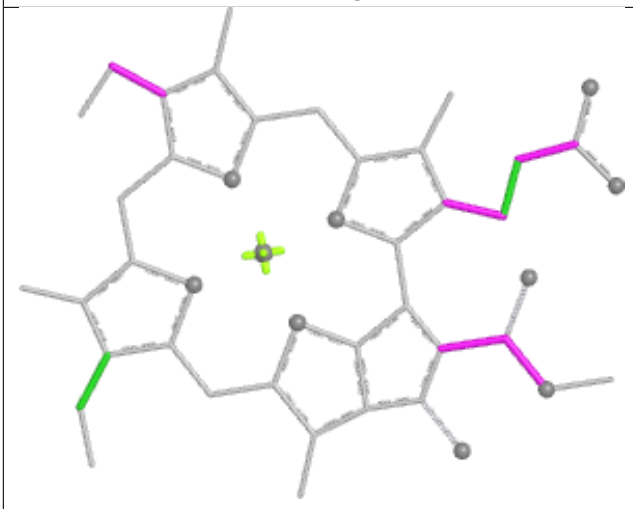
Ligand CLA G 814



Bond lengths



Bond angles

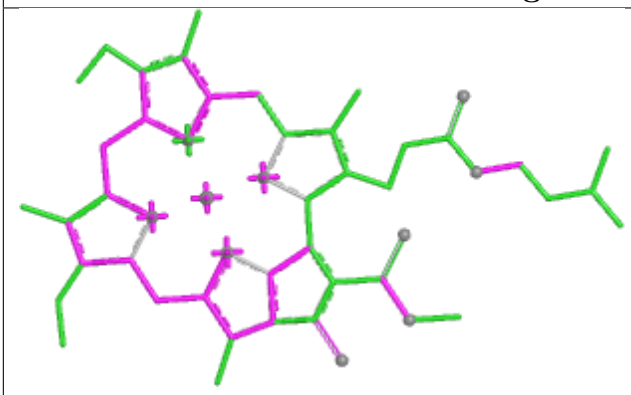


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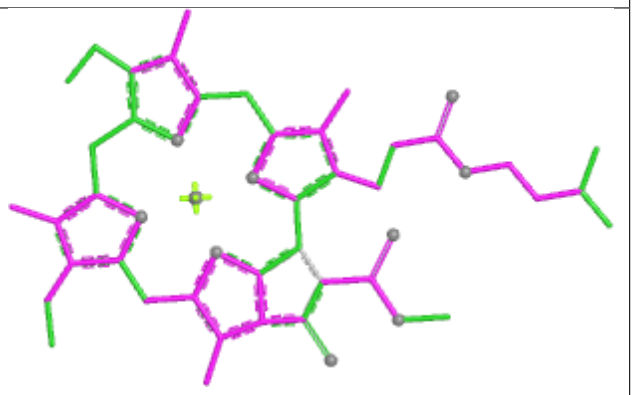


Rings

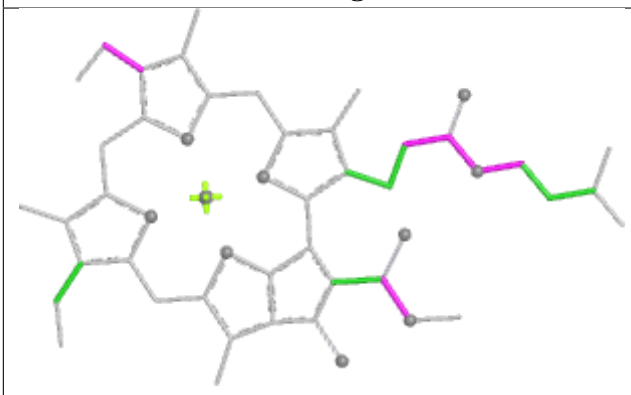
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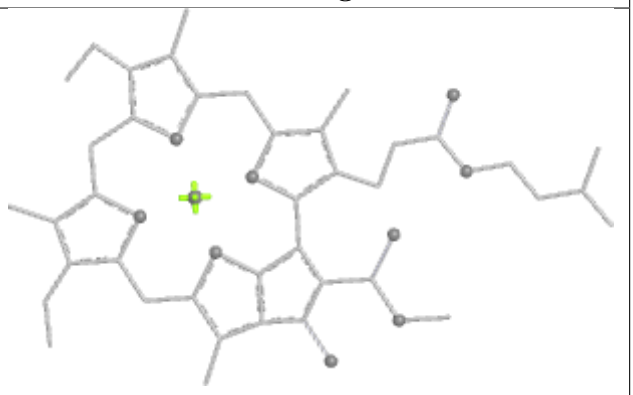
Bond lengths



Bond angles

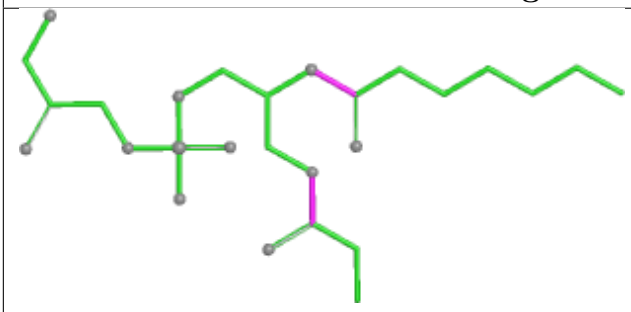


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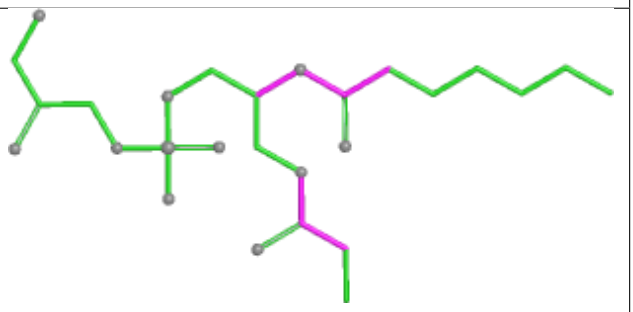


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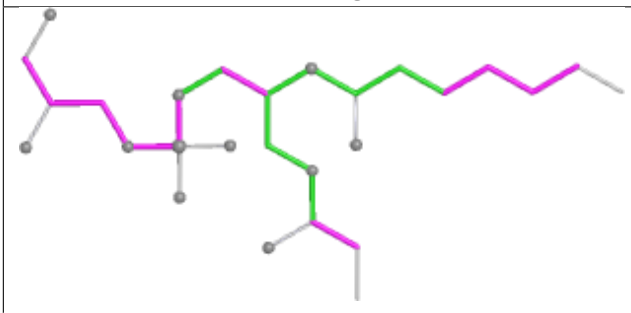
Ligand LHG A 851



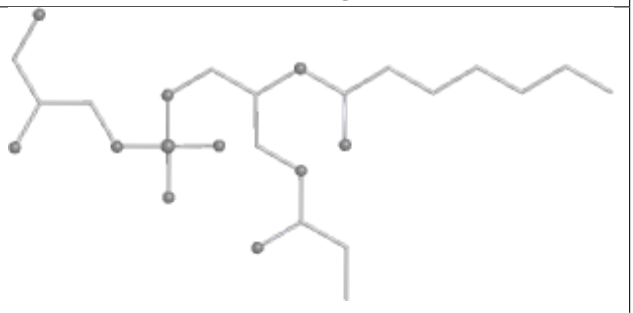
Bond lengths



Bond angles

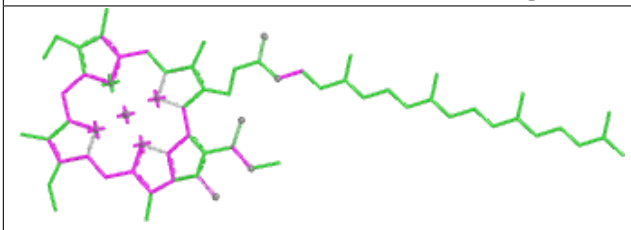


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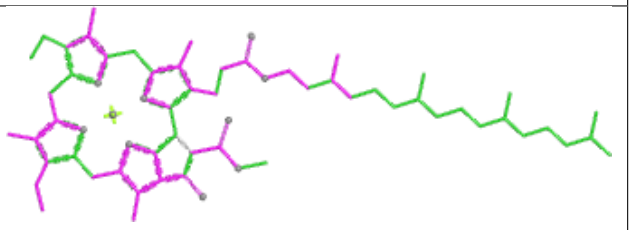


Rings

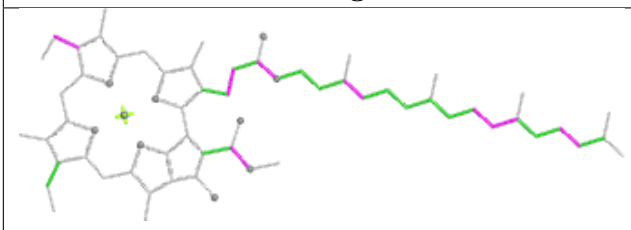
Ligand CLA G 810



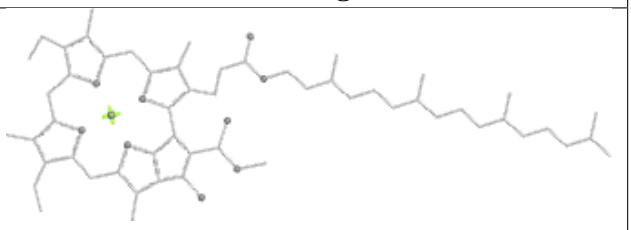
Bond lengths



Bond angles

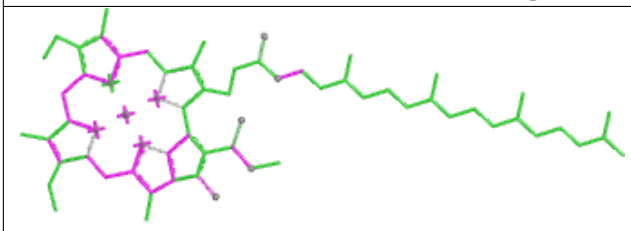


Torsions

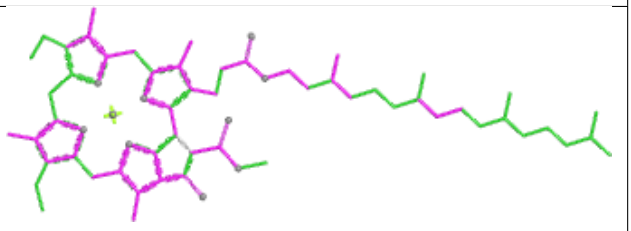


Rings

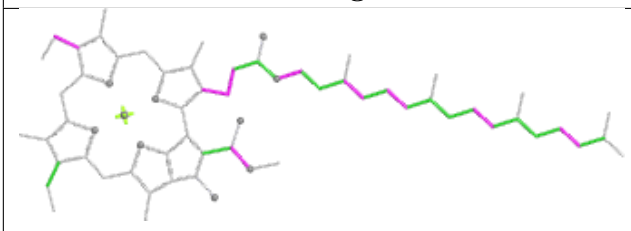
Ligand CLA B 802



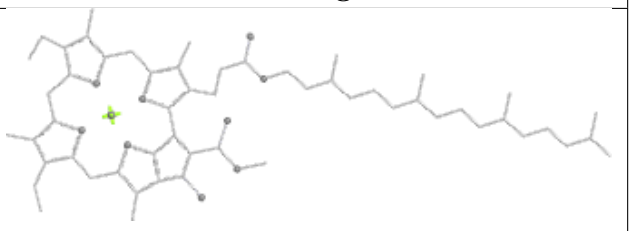
Bond lengths



Bond angles

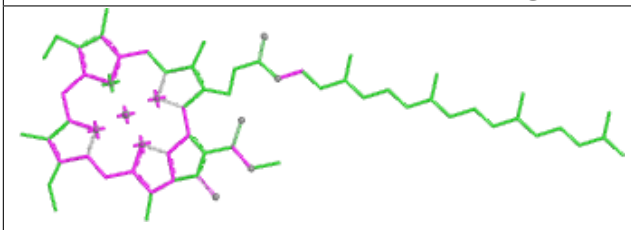


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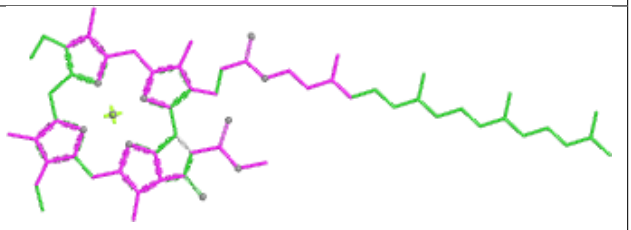


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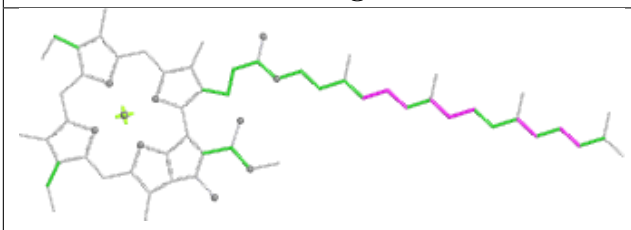
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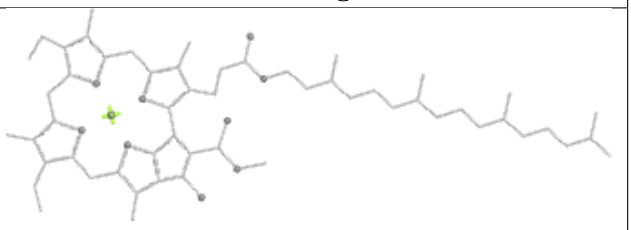
Bond lengths



Bond angles

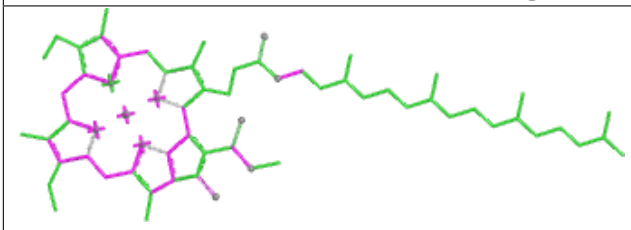


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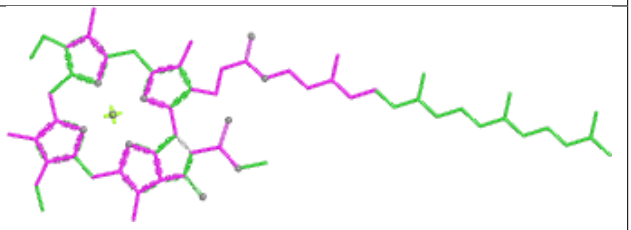


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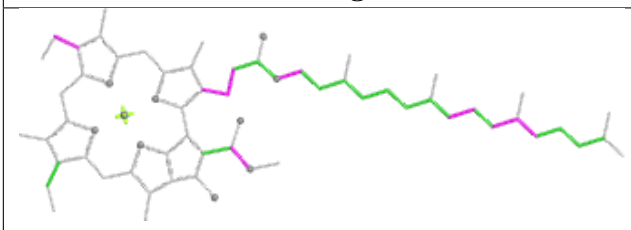
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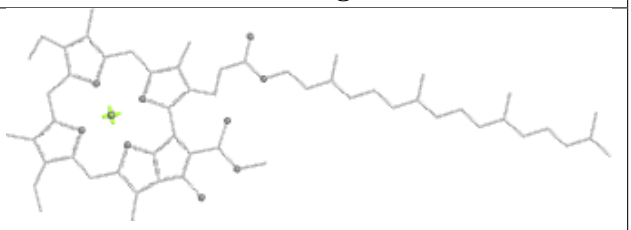
Bond lengths



Bond angles

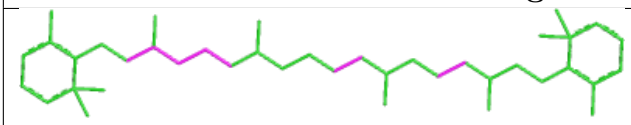


Torsions

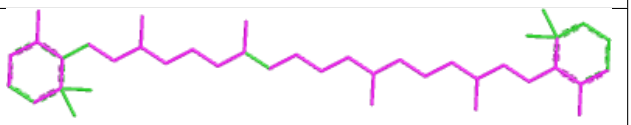


Rings

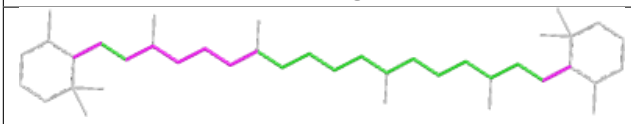
Ligand BCR a 845



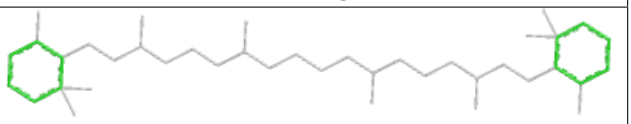
Bond lengths



Bond angles

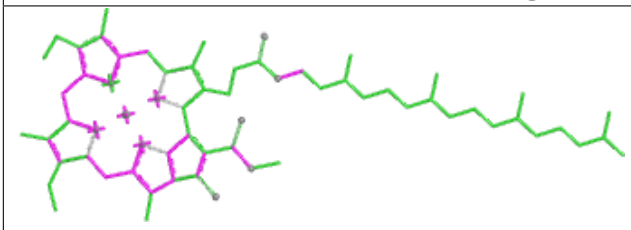


Torsions

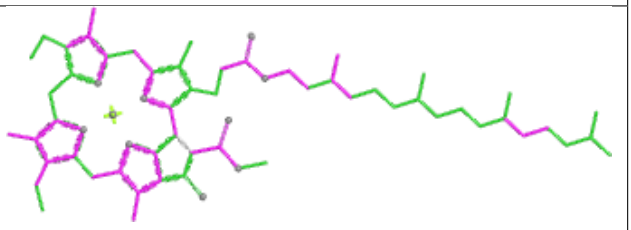


Rings

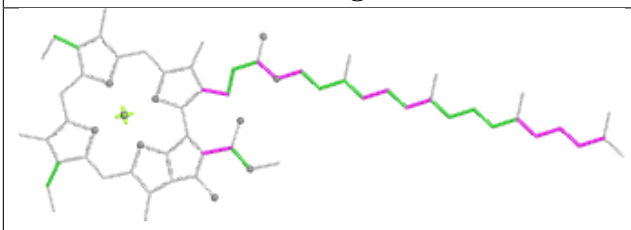
Ligand CLA H 808



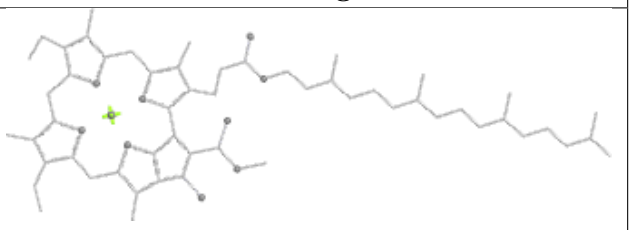
Bond lengths



Bond angles

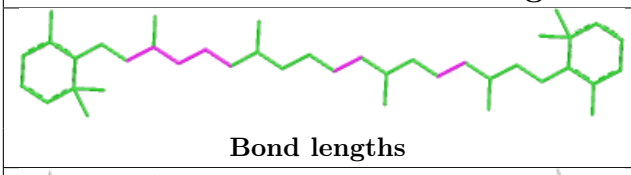


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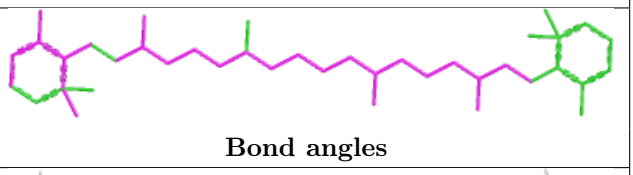


Rings

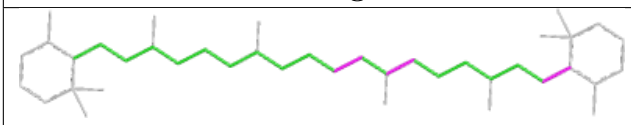
Ligand BCR b 846



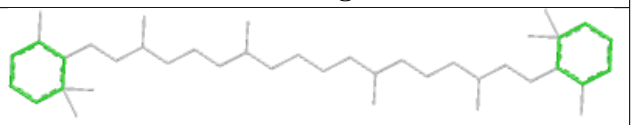
Bond lengths



Bond angles

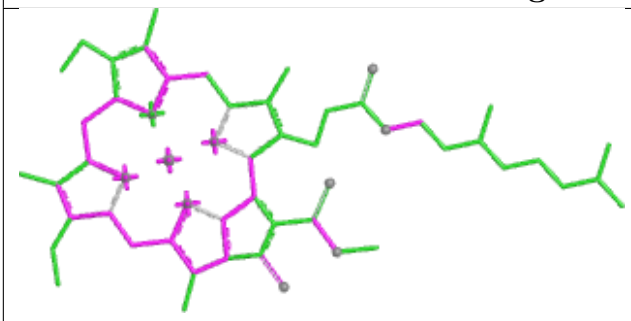


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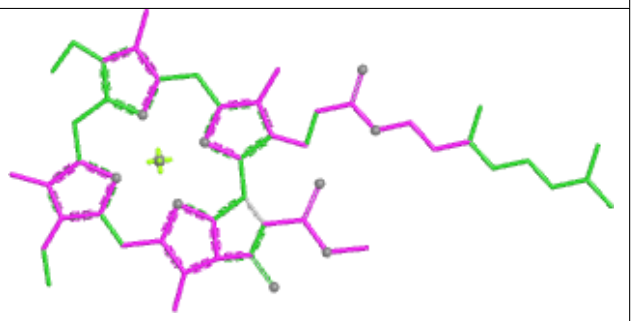


Rings

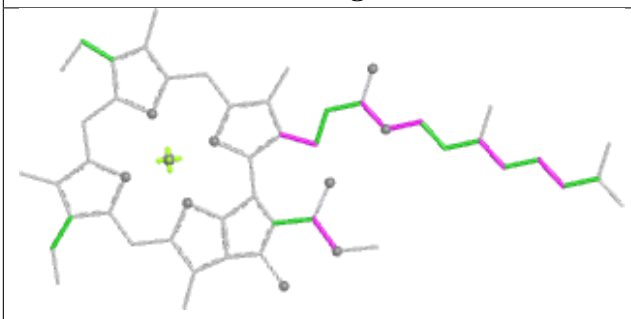
Ligand CLA a 823



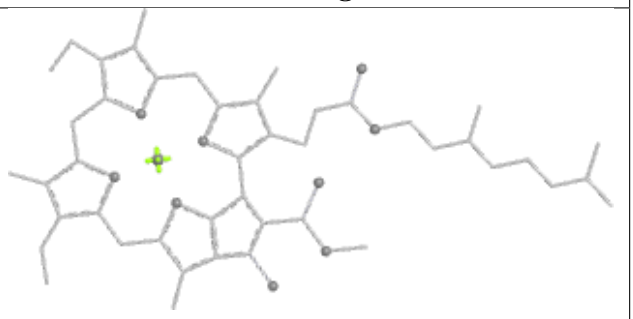
Bond lengths



Bond angles

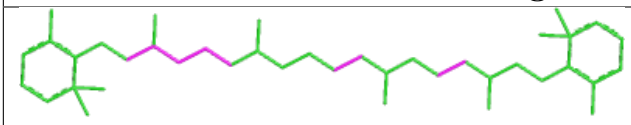


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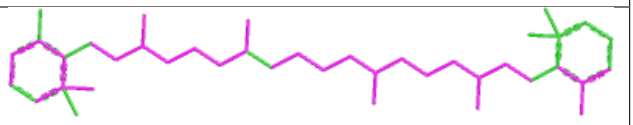


Rings

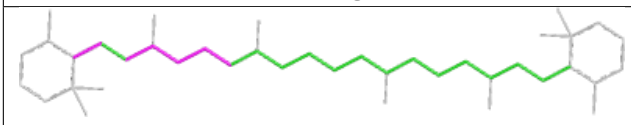
Ligand BCR I 101



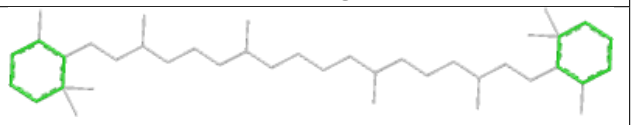
Bond lengths



Bond angles

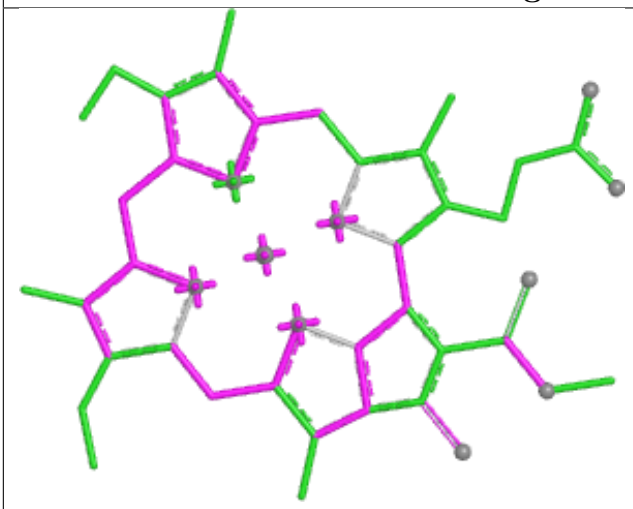


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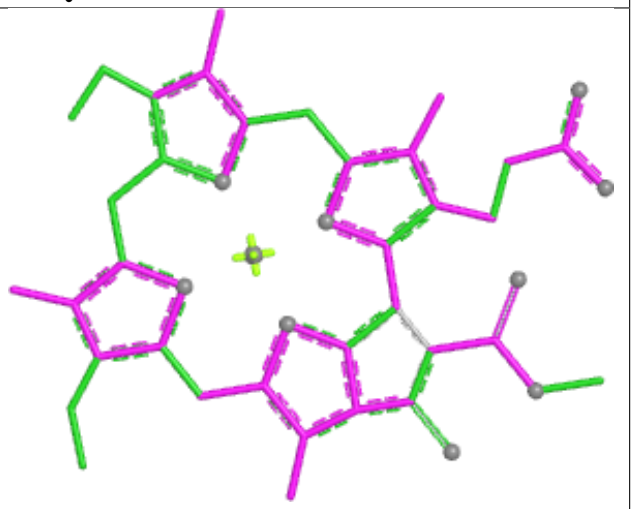


Rings

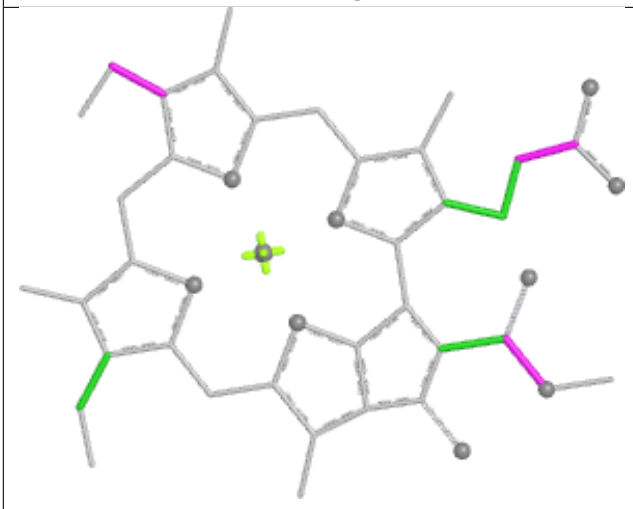
Ligand CLA Q 202



Bond lengths



Bond angles

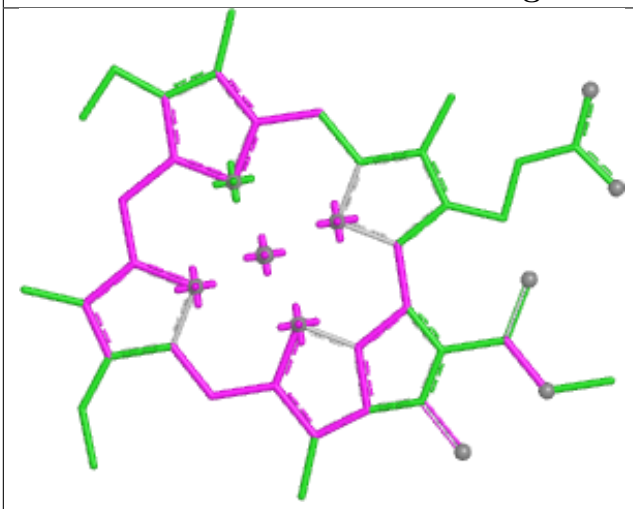


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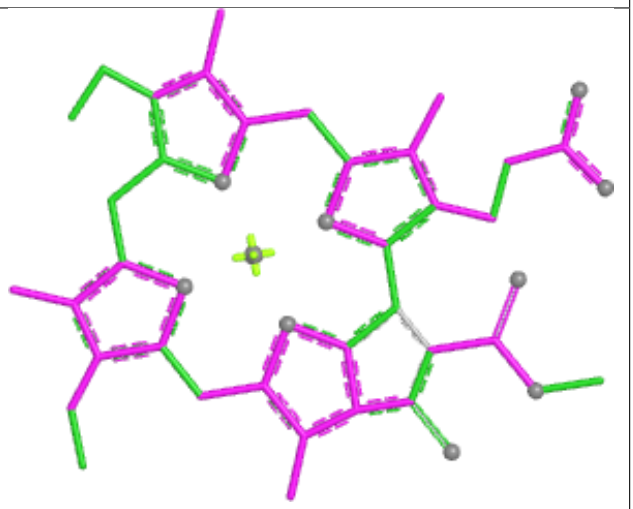


Rings

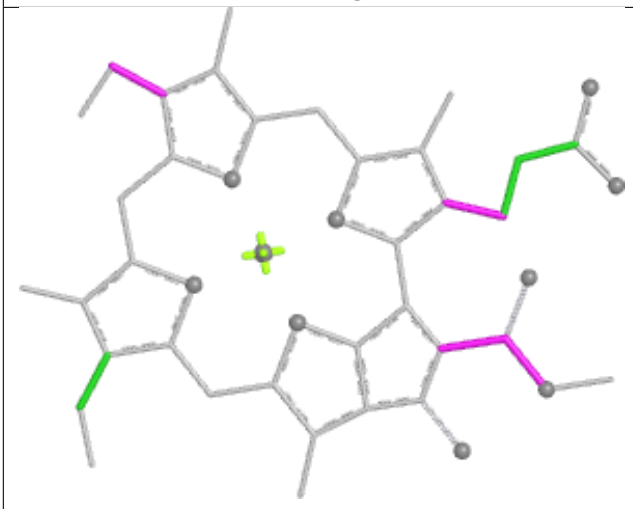
Ligand CLA G 813



Bond lengths



Bond angles

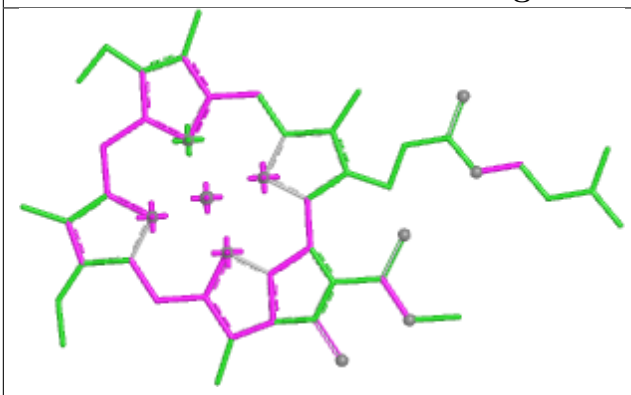


Torsions

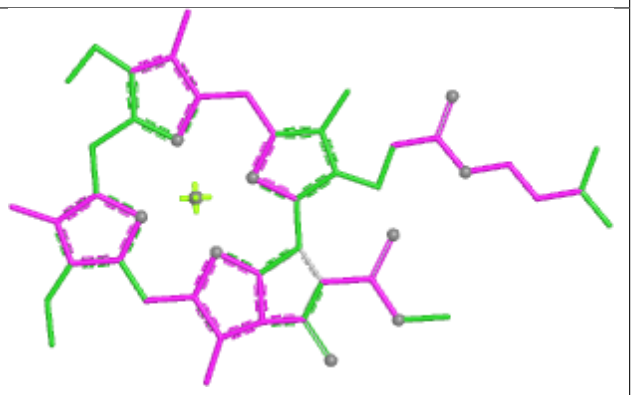


Rings

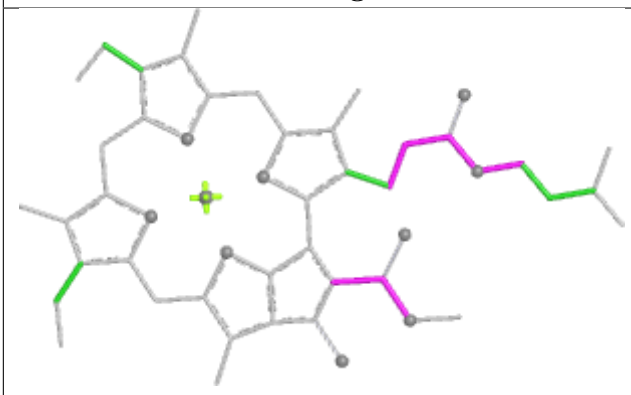
Ligand CLA m 1201



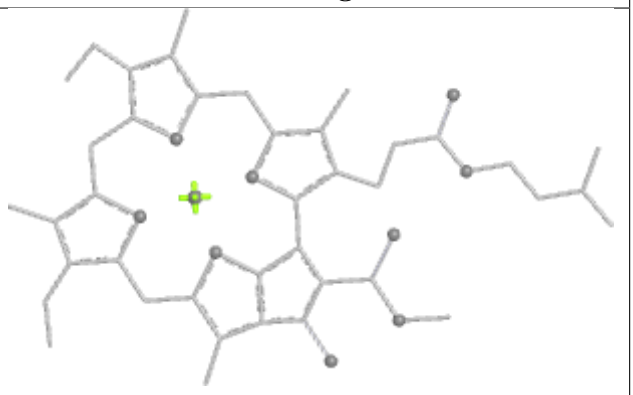
Bond lengths



Bond angles

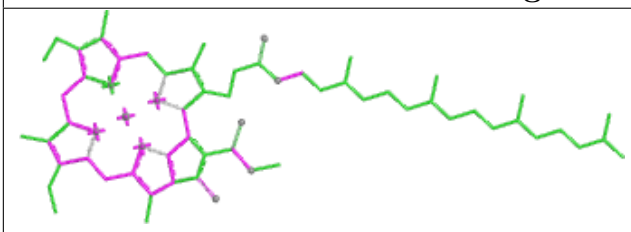


Torsions

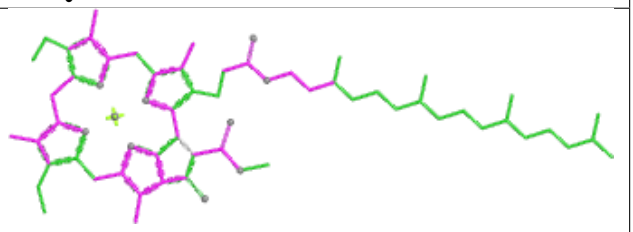


Rings

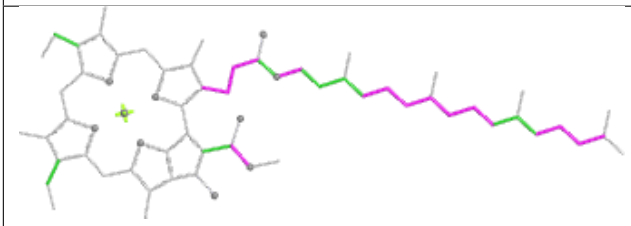
Ligand CLA Q 201



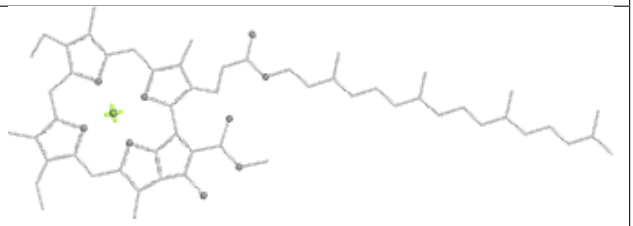
Bond lengths



Bond angles

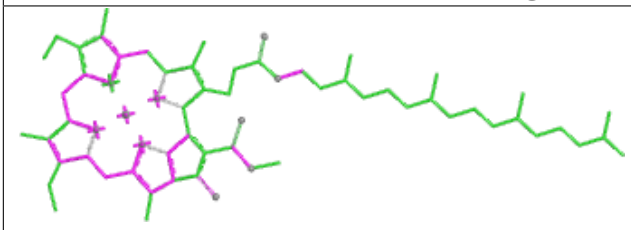


Torsions

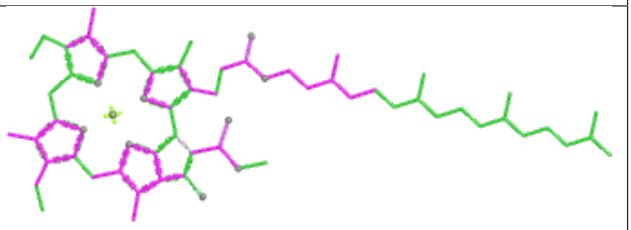


Rings

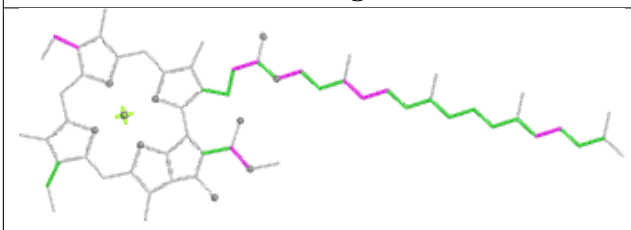
Ligand CLA H 810



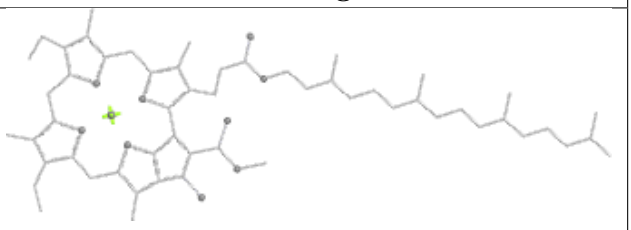
Bond lengths



Bond angles

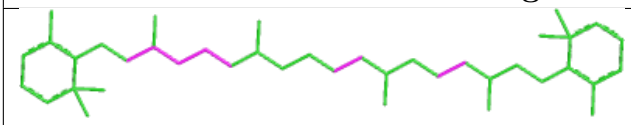


Torsions



Rings

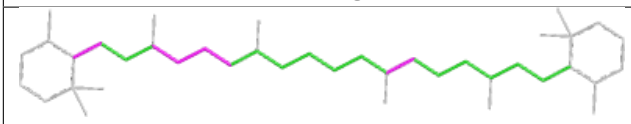
Ligand BCR A 846



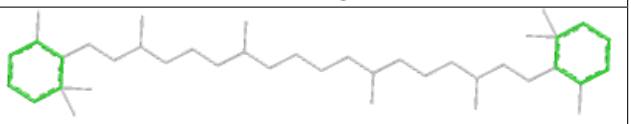
Bond lengths



Bond angles

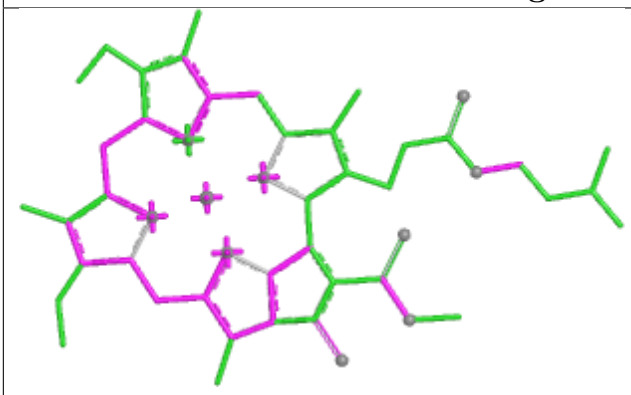


Torsions

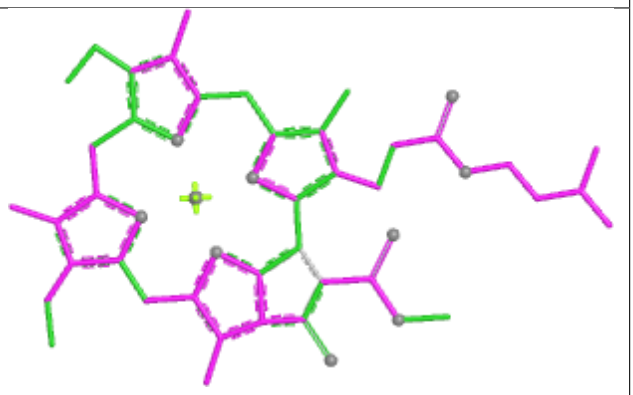


Rings

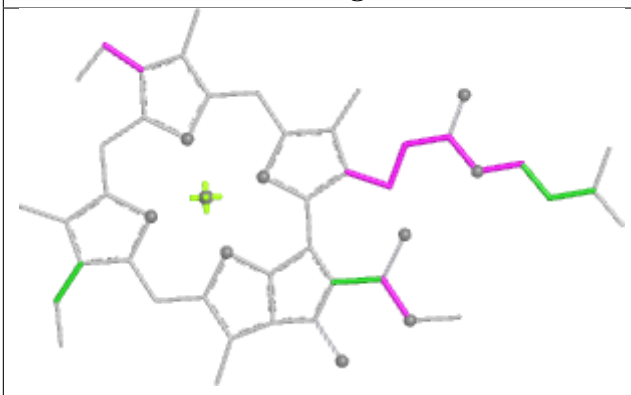
Ligand CLA a 811



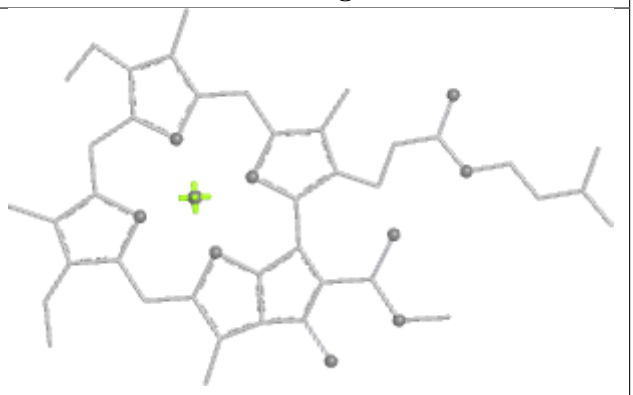
Bond lengths



Bond angles

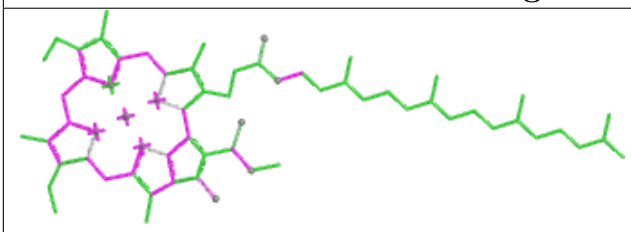


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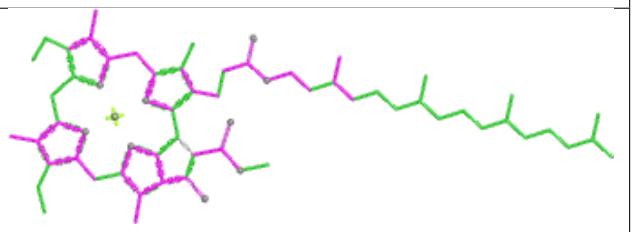


Rings

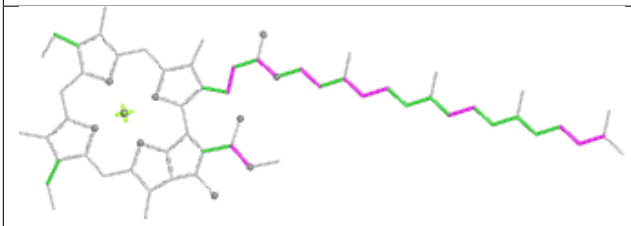
Ligand CLA H 801



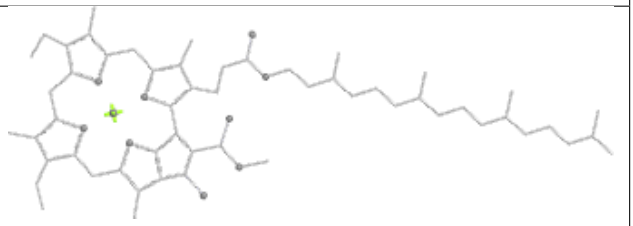
Bond lengths



Bond angles

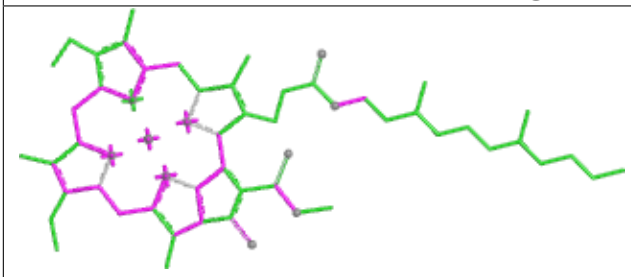


Torsions

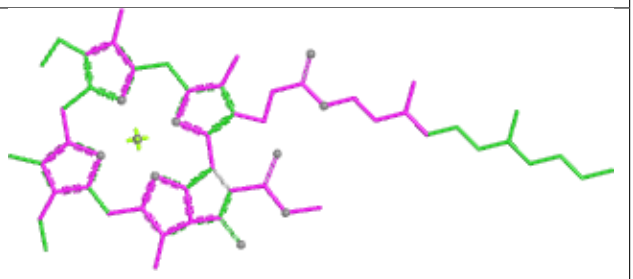


Rings

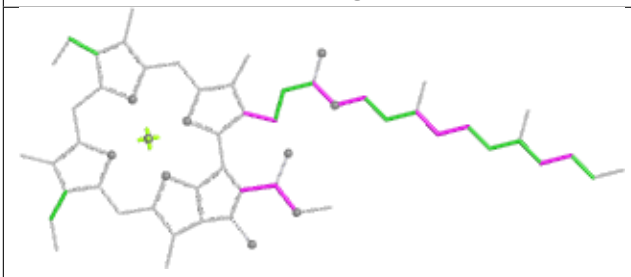
Ligand CLA b 832



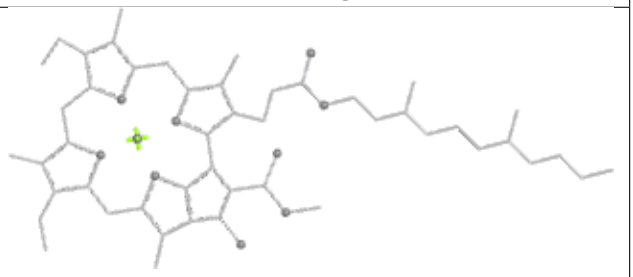
Bond lengths



Bond angles

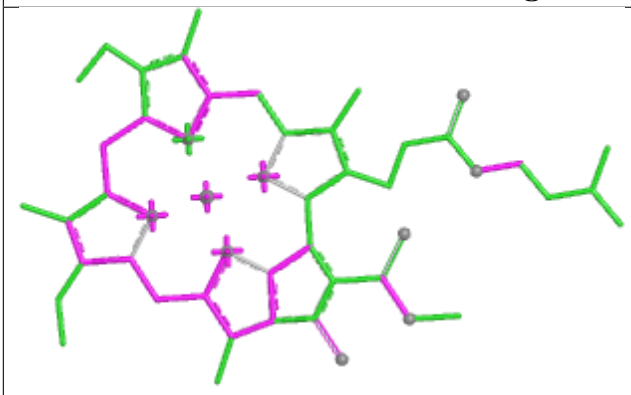


Torsions

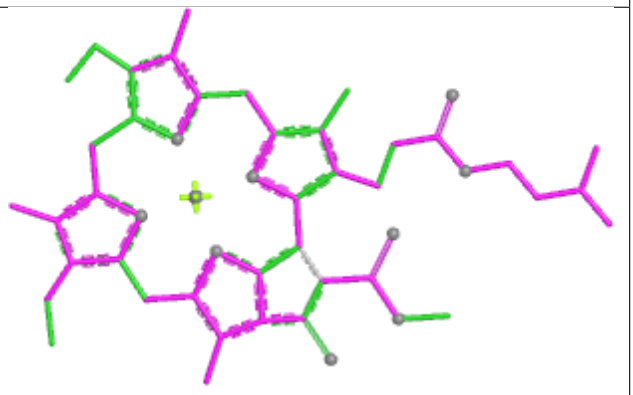


Rings

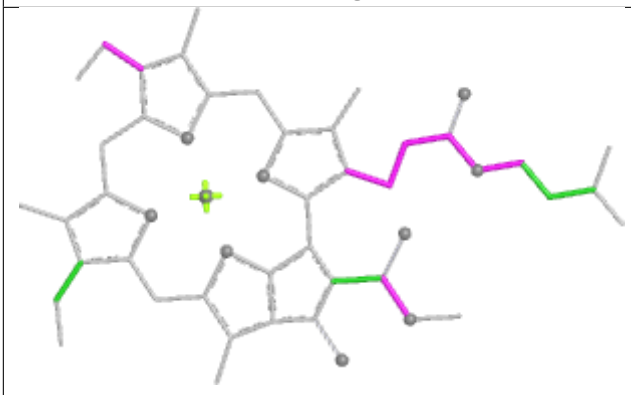
Ligand CLA G 811



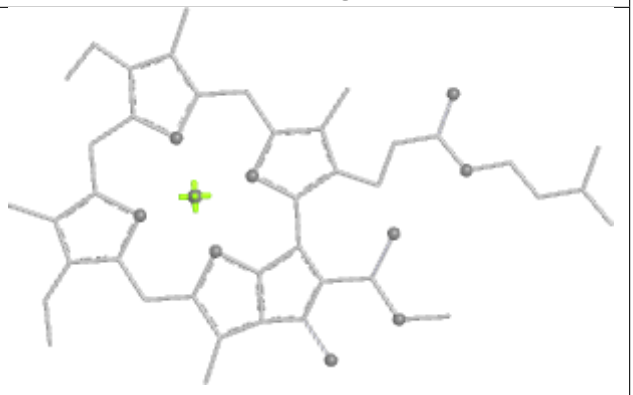
Bond lengths



Bond angles

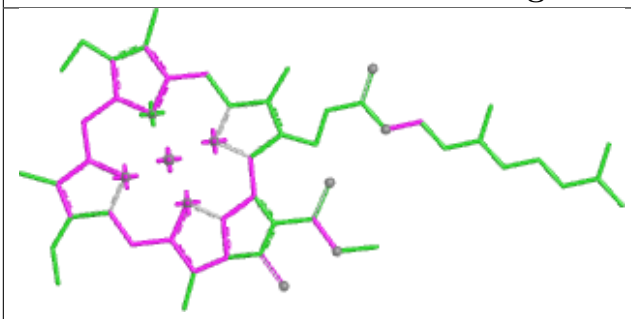


Torsions

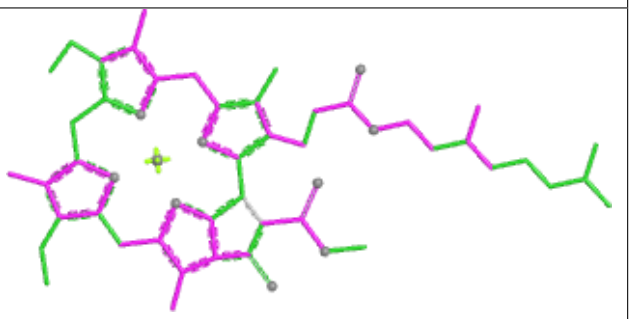


Rings

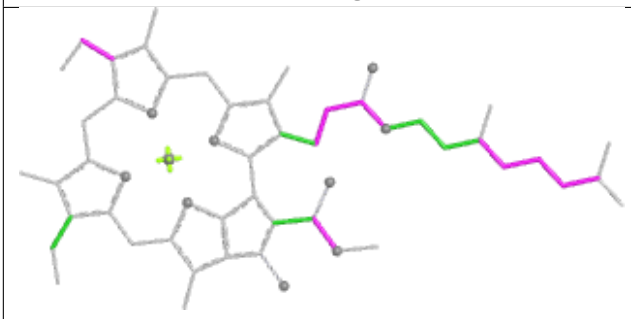
Ligand CLA b 821



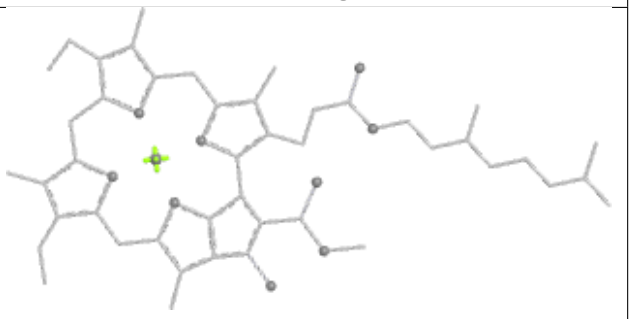
Bond lengths



Bond angles

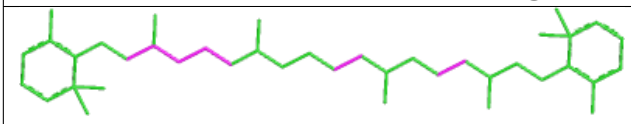


Torsions

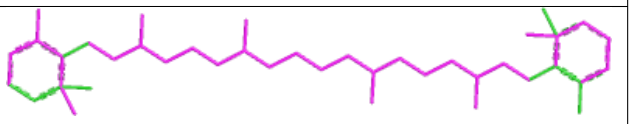


Rings

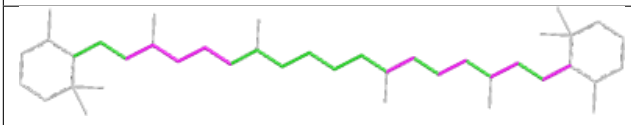
Ligand BCR b 847



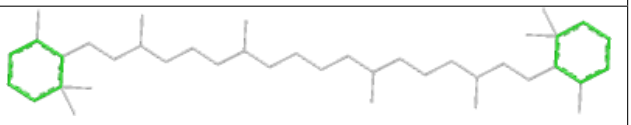
Bond lengths



Bond angles

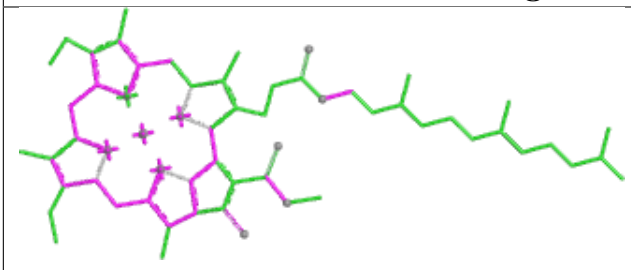


Torsions

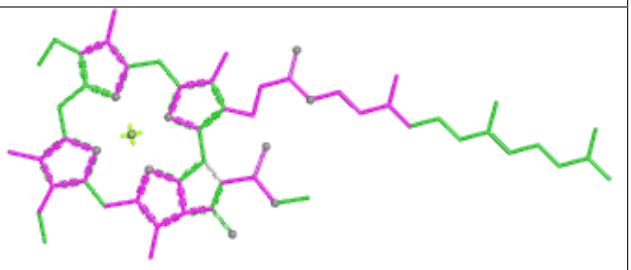


Rings

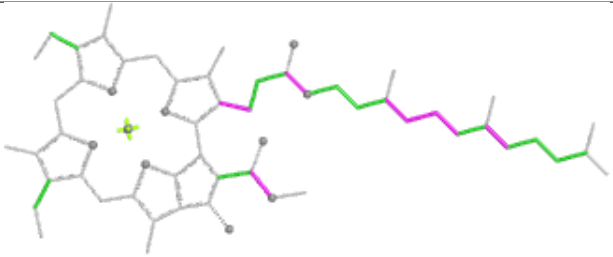
Ligand CLA B 820



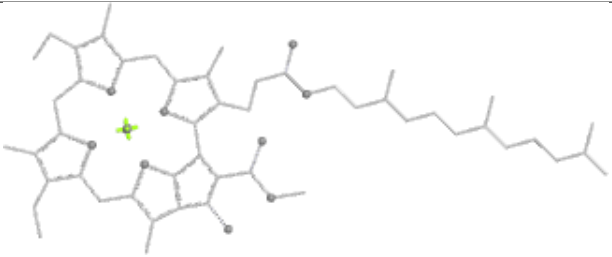
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

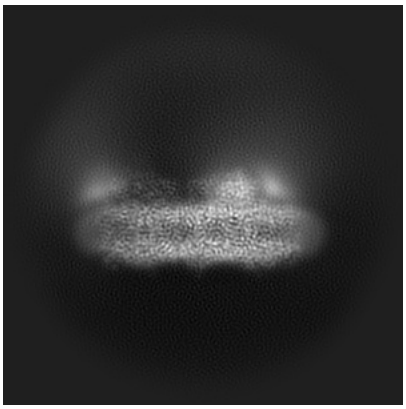
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-75106. These allow visual inspection of the internal detail of the map and identification of artifacts.

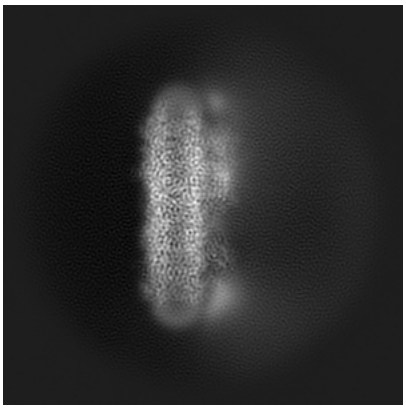
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections

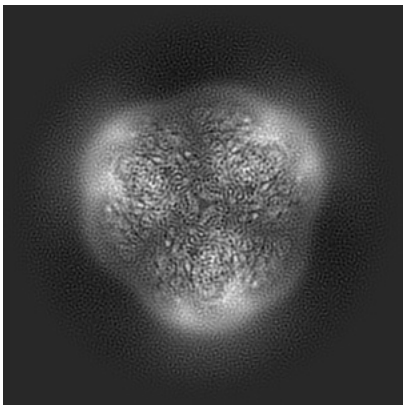
6.1.1 Primary map



X

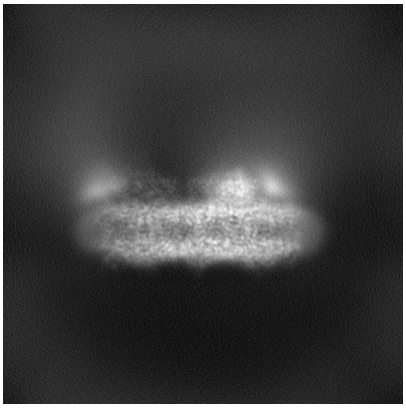


Y

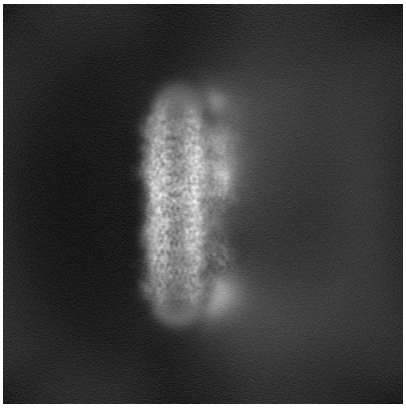


Z

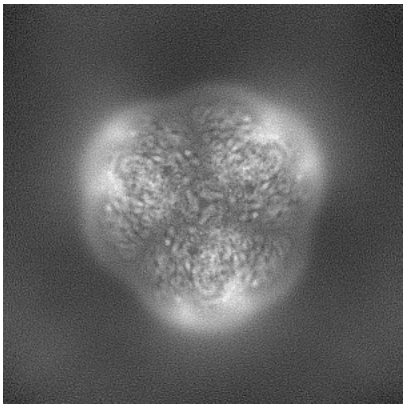
6.1.2 Raw map



X



Y

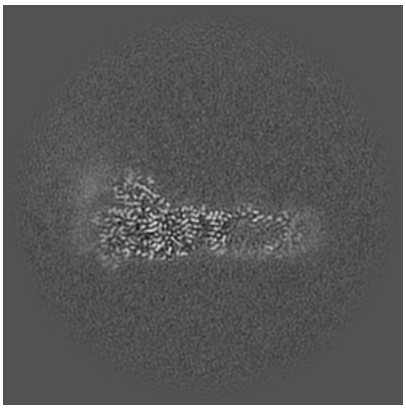


Z

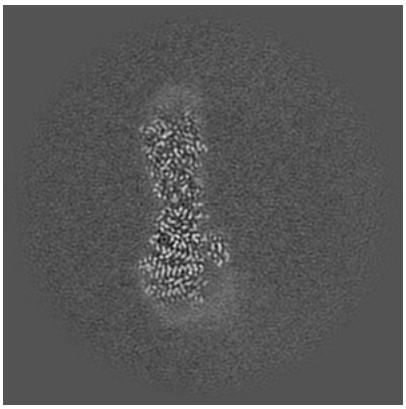
The images above show the map projected in three orthogonal directions.

6.2 Central slices (i)

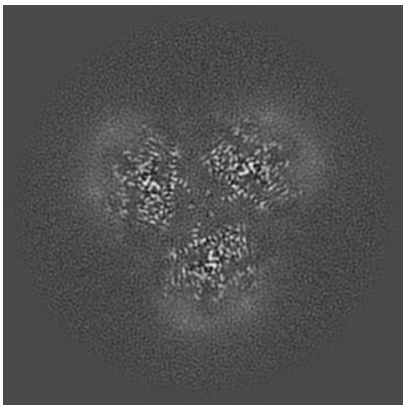
6.2.1 Primary map



X Index: 180

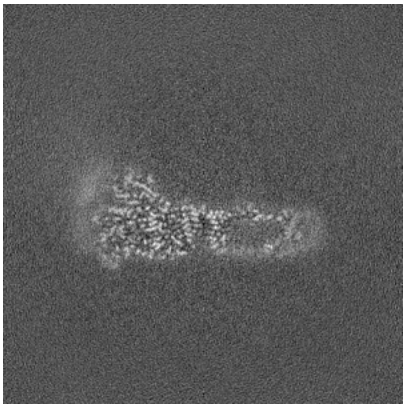


Y Index: 180

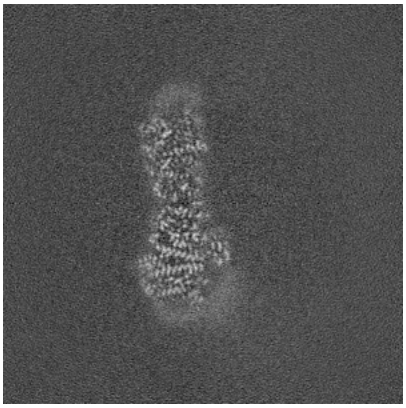


Z Index: 180

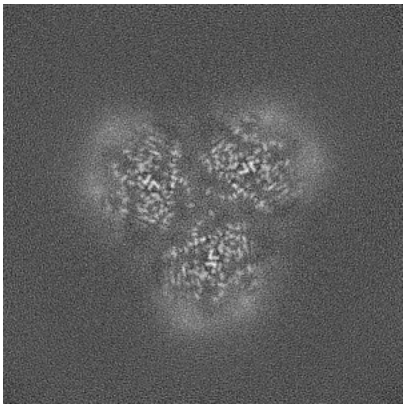
6.2.2 Raw map



X Index: 180



Y Index: 180

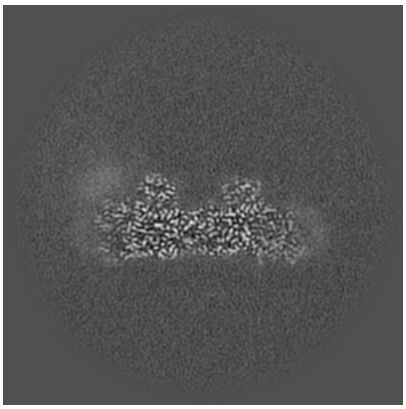


Z Index: 180

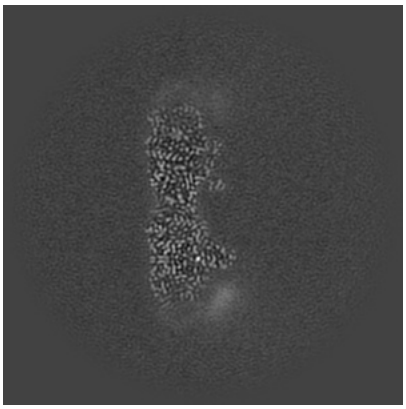
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

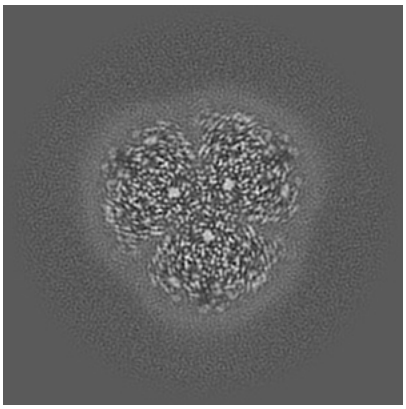
6.3.1 Primary map



X Index: 194

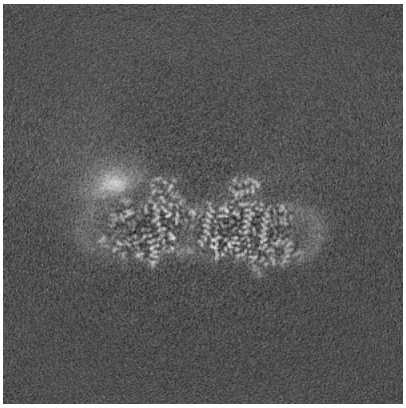


Y Index: 200

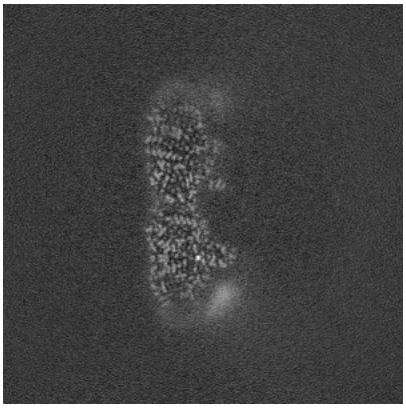


Z Index: 169

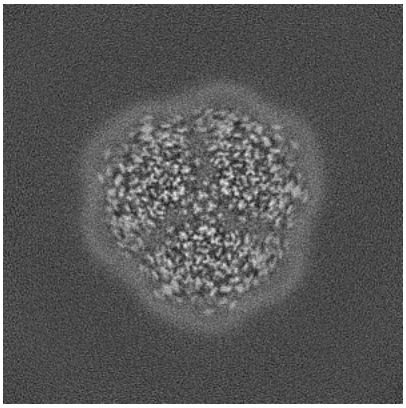
6.3.2 Raw map



X Index: 204



Y Index: 200

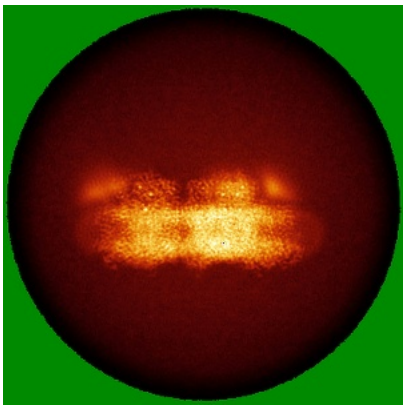


Z Index: 145

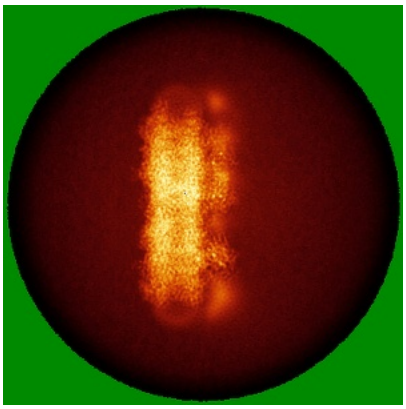
The images above show the largest variance slices of the map in three orthogonal directions.

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

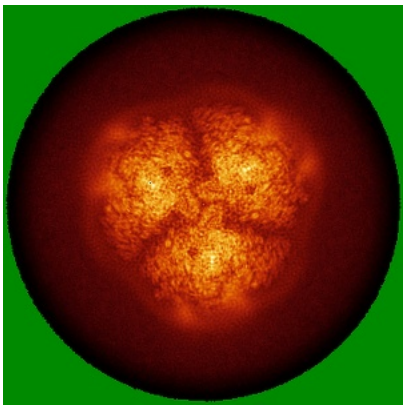
6.4.1 Primary map



X

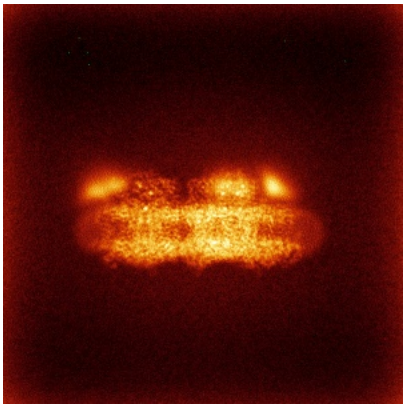


Y

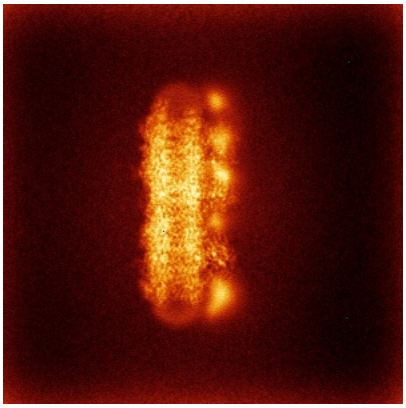


Z

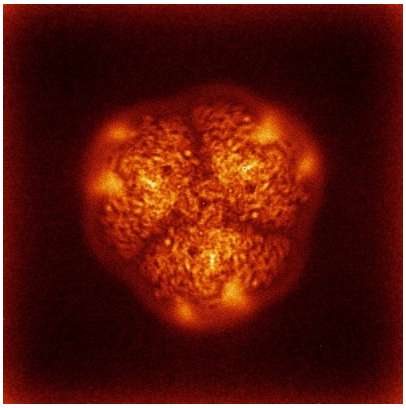
6.4.2 Raw map



X



Y

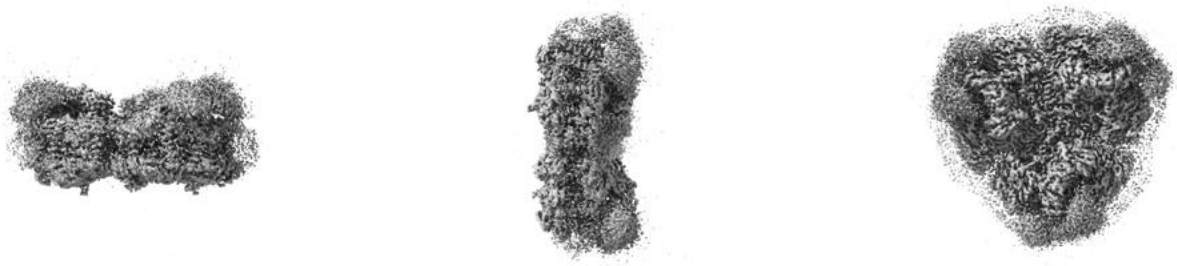


Z

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)

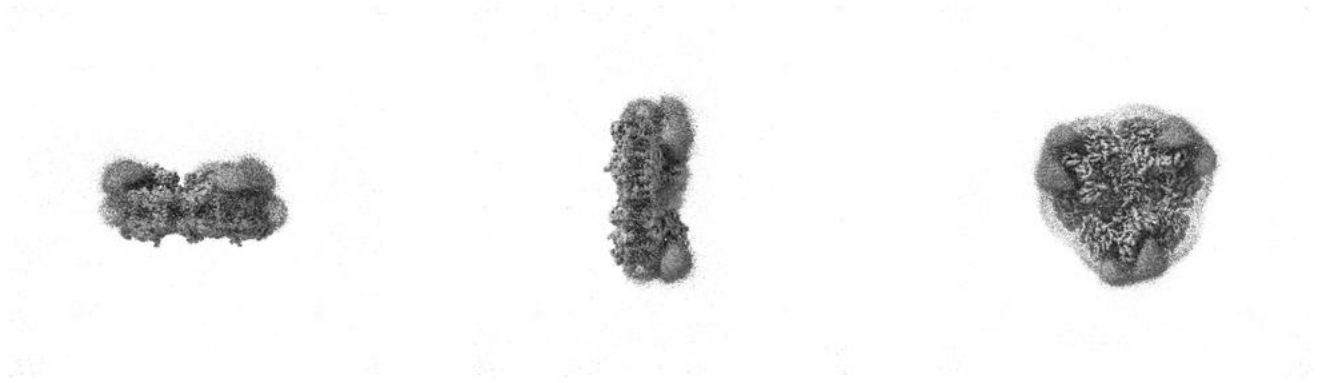
6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.302. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



X Y Z

These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

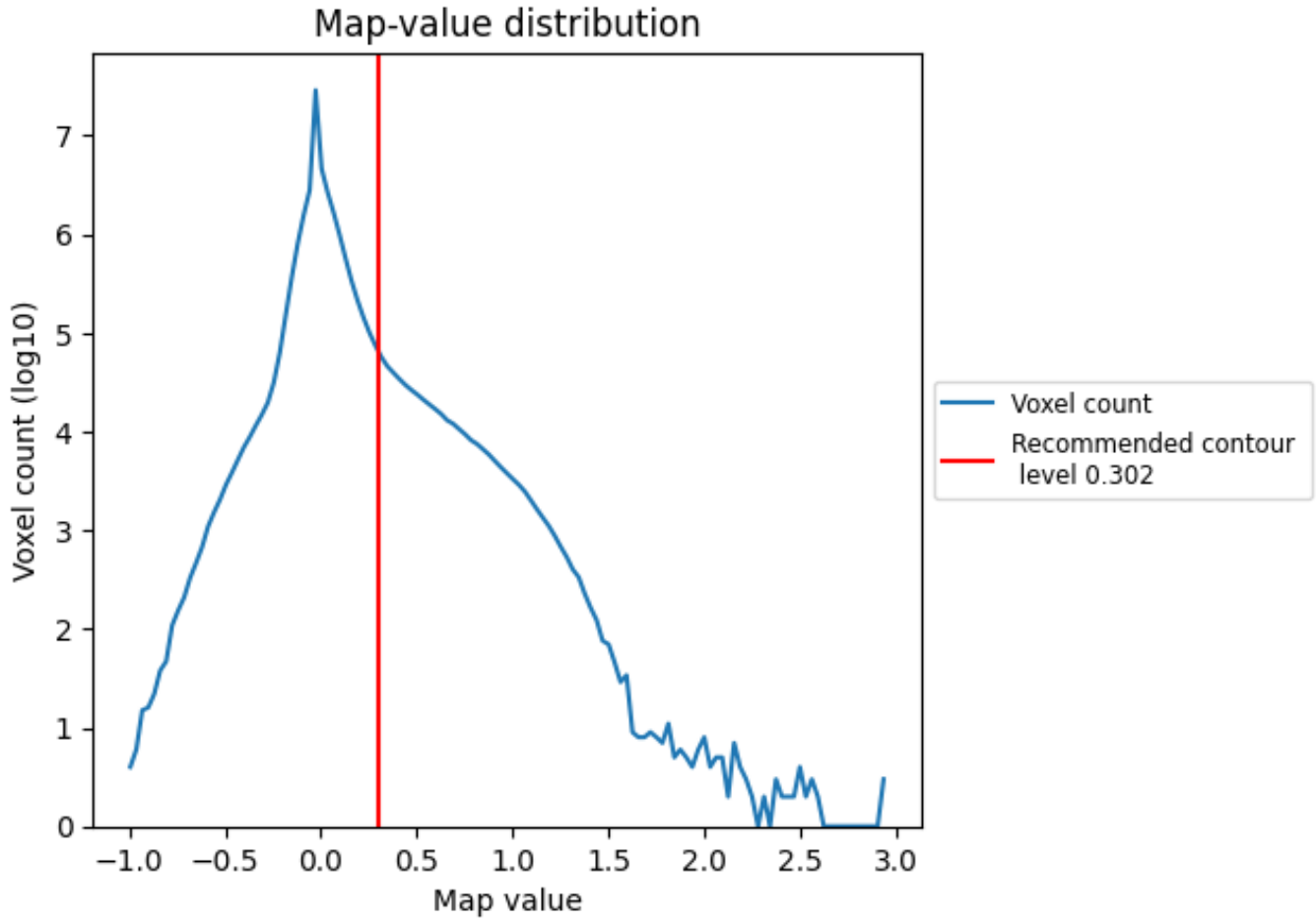
6.6 Mask visualisation (i)

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

7 Map analysis

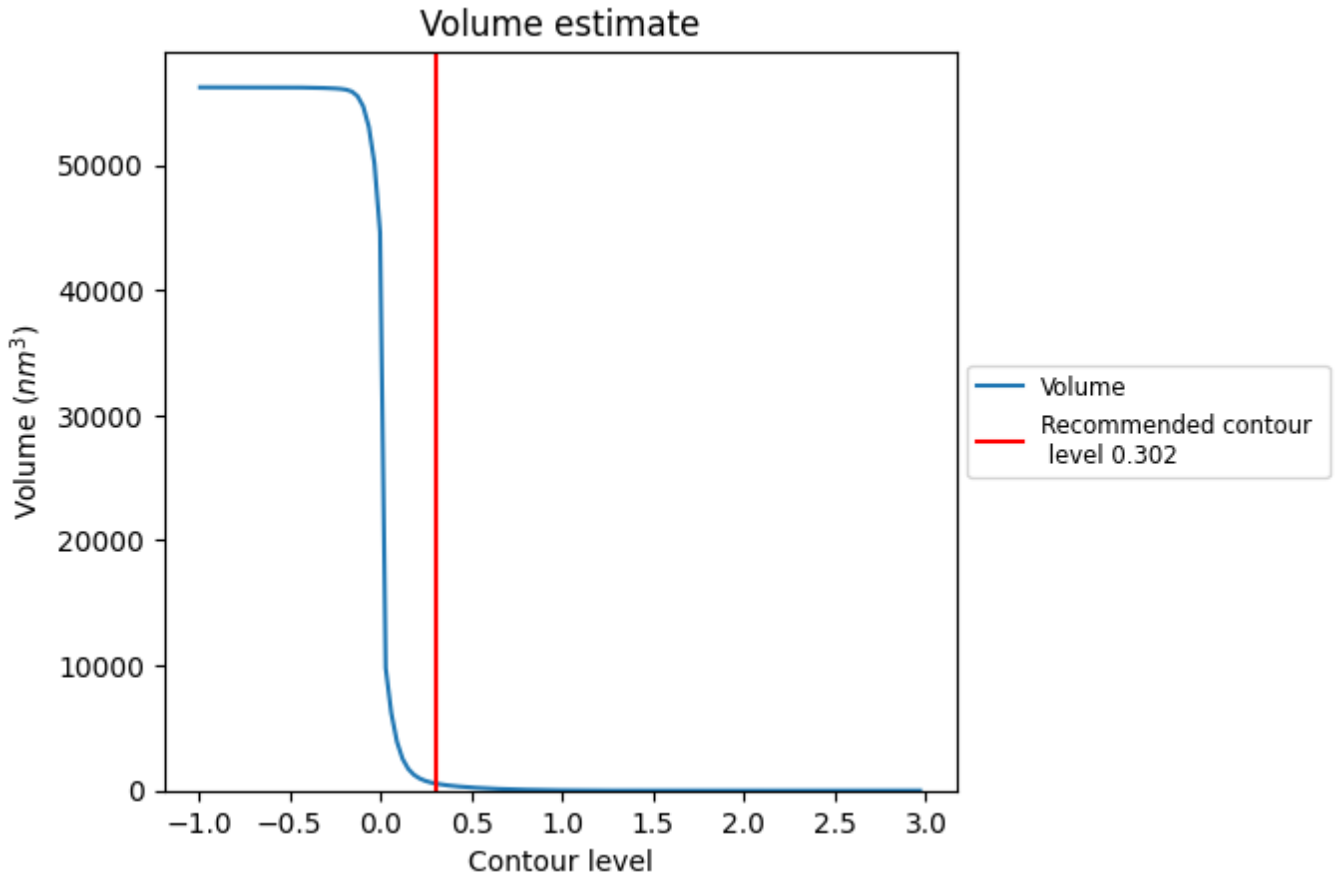
This section contains the results of statistical analysis of the map.

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.

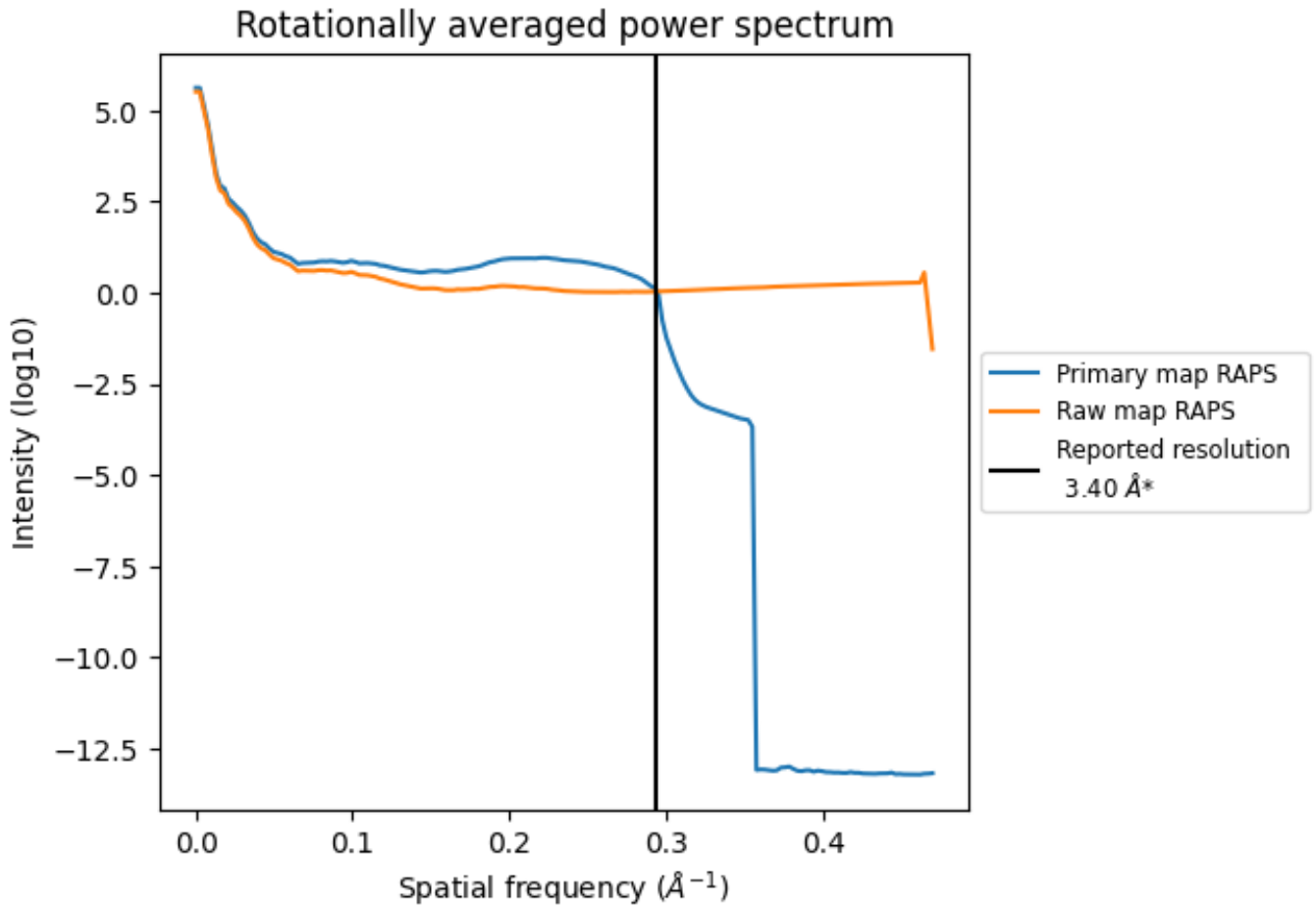
7.2 Volume estimate



The volume at the recommended contour level is 563 nm^3; this corresponds to an approximate mass of 508 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)

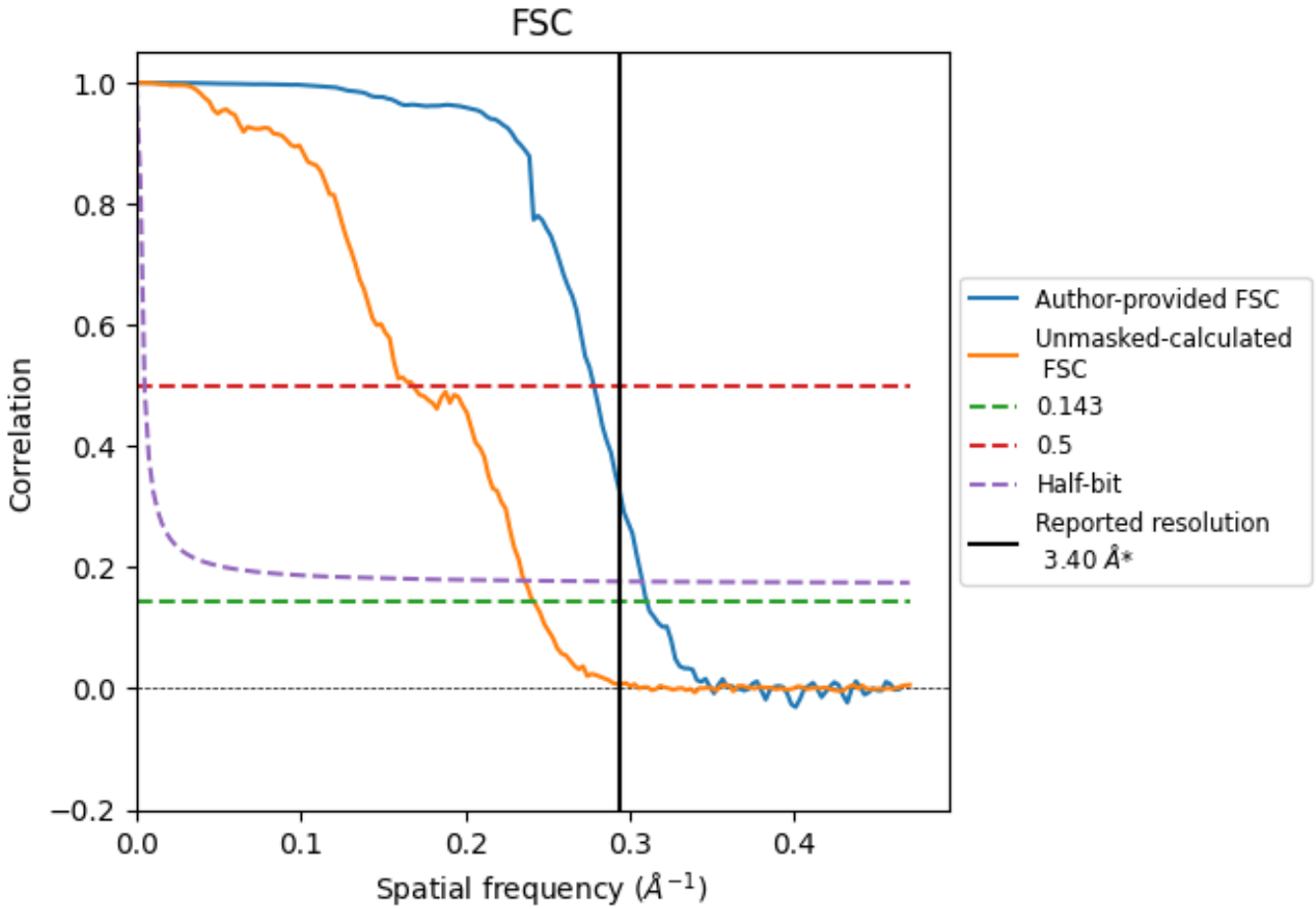


*Reported resolution corresponds to spatial frequency of 0.294 $Å^{-1}$

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 0.294 Å^{-1}

8.2 Resolution estimates (i)

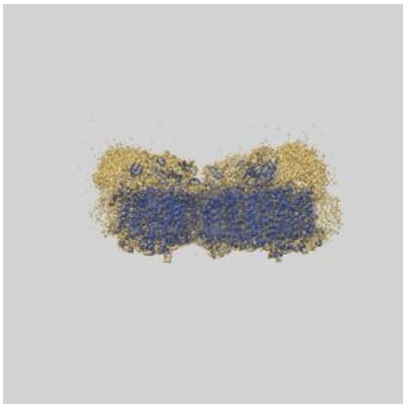
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.40	-	-
Author-provided FSC curve	3.22	3.60	3.25
Unmasked-calculated*	4.14	5.94	4.24

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 4.14 differs from the reported value 3.4 by more than 10 %

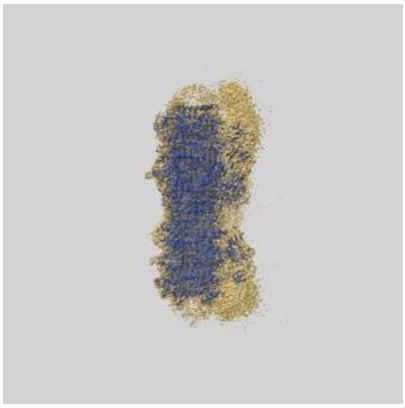
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-75106 and PDB model 10EG. Per-residue inclusion information can be found in section 3 on page 30.

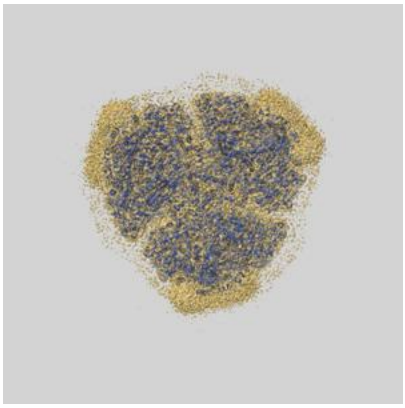
9.1 Map-model overlay



X



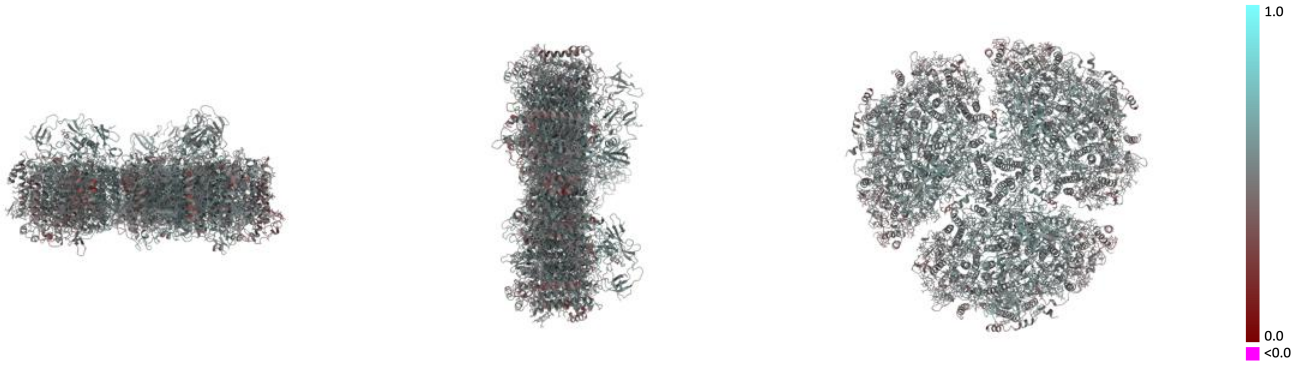
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.302 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.

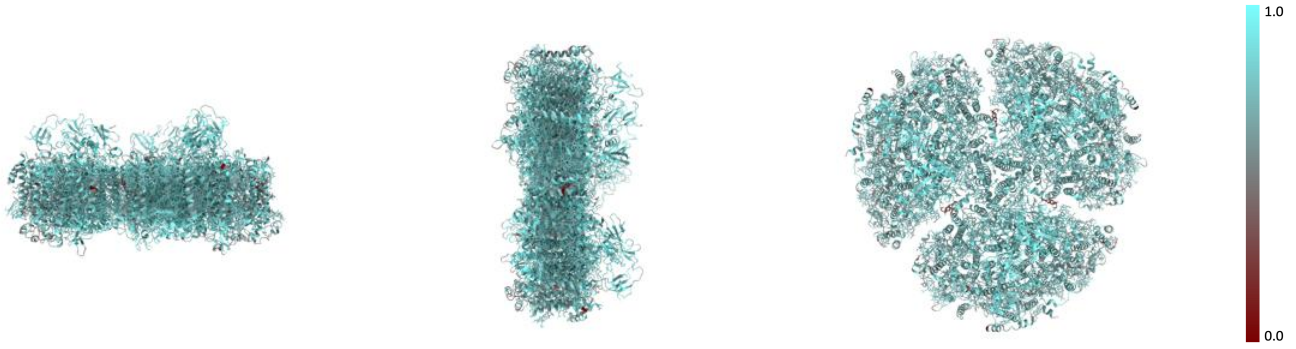
9.2 Q-score mapped to coordinate model (i)



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.

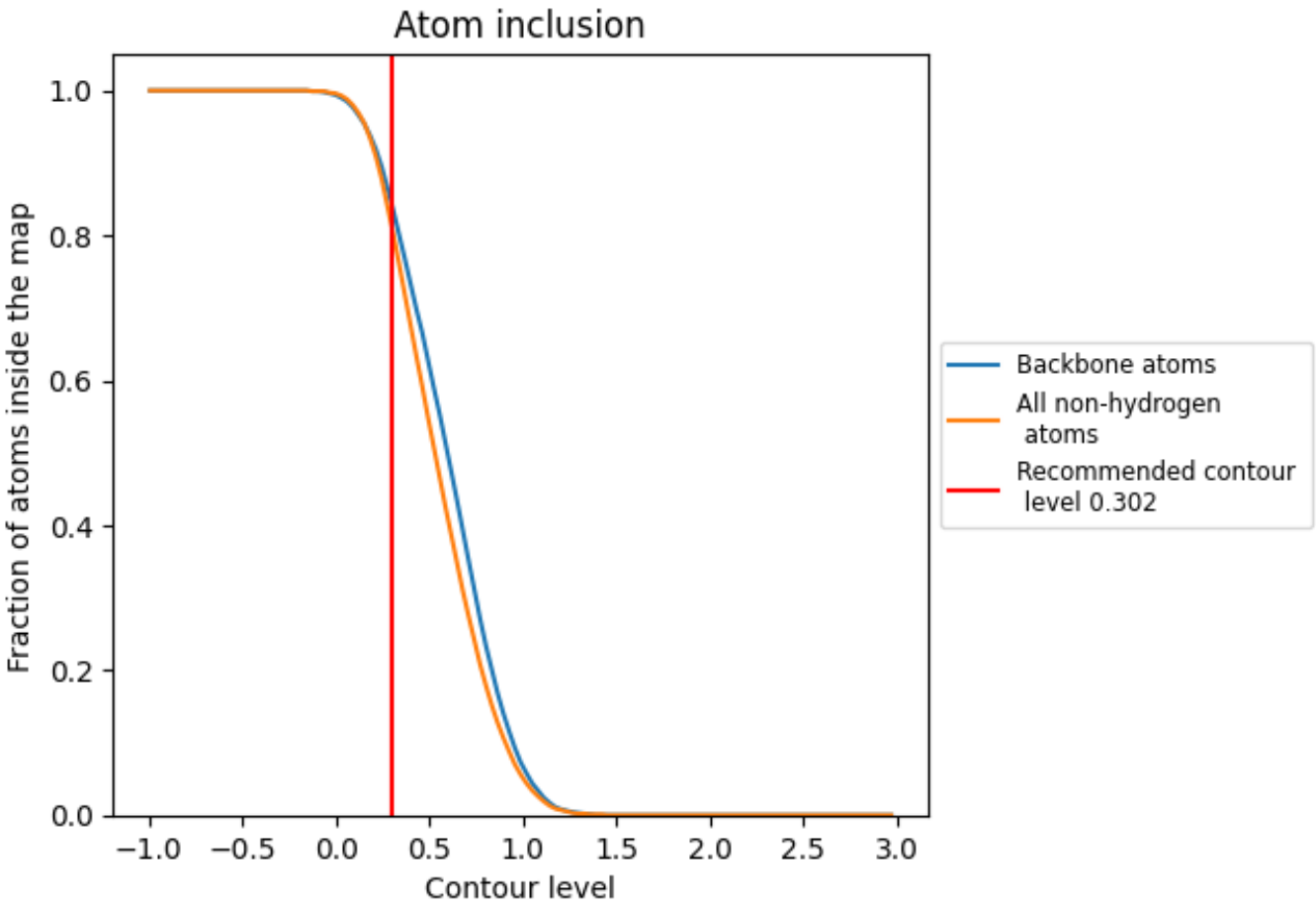
9.3 Atom inclusion mapped to coordinate model (i)



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 (0.302).

9.4 Atom inclusion (i)



At the recommended contour level, 84% of all backbone atoms, 81% 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 (0.302) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.8070	0.5100
A	0.8070	0.5070
B	0.8230	0.5160
C	0.8780	0.5320
D	0.8370	0.5340
E	0.7890	0.5190
F	0.6570	0.4680
G	0.8080	0.5080
H	0.8260	0.5150
I	0.8720	0.5510
J	0.7030	0.4820
K	0.6620	0.3960
L	0.8780	0.5490
M	0.7290	0.4810
N	0.8780	0.5320
O	0.8320	0.5280
P	0.8030	0.5170
Q	0.6620	0.4700
R	0.8870	0.5510
S	0.7080	0.4830
T	0.6600	0.3930
U	0.8720	0.5470
V	0.7390	0.4730
W	0.6480	0.4050
X	0.6590	0.4050
a	0.8060	0.5090
b	0.8220	0.5150
c	0.8780	0.5290
d	0.8320	0.5320
e	0.7930	0.5050
f	0.6630	0.4660
i	0.8810	0.5530
j	0.7060	0.4850
k	0.6630	0.3890
l	0.8730	0.5500



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Chain	Atom inclusion	Q-score
m	0.7470	0.4850
x	0.6400	0.4050