Full wwPDB EM Validation Report

Apr 11, 2026 – 11:12 PM UTC

PDB ID	:	9E5C / pdb_00009e5c
EMDB ID	:	EMD-47524
Title	:	Cryo-EM structure of 96 nm repeat of microtubule doublet from T. brucei flagellum
Authors	:	Xia, X.; Shimogawa, M.M.; Wang, H.; Liu, S.; Wijono, A.; Langousis, G.; Kassem, A.M.; Wohlschlegel, J.A.; Hill, K.; Zhou, Z.H.
Deposited on	:	2024-10-28
Resolution	:	3.20 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 (i) 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 (1)) were used in the production of this report:

EMDB validation analysis	:	0.0.1.dev132
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	FAILED
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	:	NOT EXECUTED
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 3.20 Å.

There are no overall percentile quality scores available for this entry.

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

2 Entry composition (i)

There are 160 unique types of molecules in this entry. The entry contains 3895227 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 EF-hand domain-containing family member C2.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	0A	662	Total	C	N	O	S	0	0
			5390	3423	929	1014	24		
1	0B	734	Total	C	N	O	S	0	0
			5972	3782	1036	1125	29		
1	0C	730	Total	C	N	O	S	0	0
			5933	3757	1026	1121	29		
1	0D	662	Total	C	N	O	S	0	0
			5390	3423	929	1014	24		
1	0E	734	Total	C	N	O	S	0	0
			5972	3782	1036	1125	29		
1	0F	730	Total	C	N	O	S	0	0
			5933	3757	1026	1121	29		

- Molecule 2 is a protein called EF-hand domain-containing family member C2.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	0G	730	Total	C	N	O	S	0	0
			5862	3718	1025	1088	31		
2	0H	730	Total	C	N	O	S	0	0
			5862	3718	1025	1088	31		
2	0I	730	Total	C	N	O	S	0	0
			5862	3718	1025	1088	31		

- Molecule 3 is a protein called Rib72 protein-like protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	0J	665	Total	C	N	O	S	0	0
			5389	3412	938	1011	28		
3	0K	665	Total	C	N	O	S	0	0
			5389	3412	938	1011	28		
3	0L	665	Total	C	N	O	S	0	0
			5389	3412	938	1011	28		

- Molecule 4 is a protein called CMF34/CARP4.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	0M	758	Total	C	N	O	S	0	0
			6157	3875	1093	1162	27		
4	0N	758	Total	C	N	O	S	0	0
			6157	3875	1093	1162	27		

- Molecule 5 is a protein called Flagellar protofilament ribbon protein, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	0O	193	Total	C	N	O	S	0	0
			1673	1019	327	319	8		
5	0P	363	Total	C	N	O	S	0	0
			3131	1907	616	594	14		
5	0Q	361	Total	C	N	O	S	0	0
			3116	1899	614	591	12		
5	0R	236	Total	C	N	O	S	0	0
			2036	1237	405	386	8		
5	0S	347	Total	C	N	O	S	0	0
			3014	1834	597	569	14		
5	0T	309	Total	C	N	O	S	0	0
			2687	1635	529	513	10		

- Molecule 6 is a protein called Cilia- and flagella-associated protein 53.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	0U	32	Total	C	N	O		0	0
			277	174	55	48			
6	0V	456	Total	C	N	O	S	0	0
			3874	2350	786	723	15		
6	0W	456	Total	C	N	O	S	0	0
			3874	2350	786	723	15		
6	0X	290	Total	C	N	O	S	0	0
			2454	1478	500	465	11		

- Molecule 7 is a protein called Meiosis-specific nuclear structural protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	0Y	153	Total	C	N	O	S	0	0
			1299	795	251	251	2		
7	0Z	423	Total	C	N	O	S	0	0
			3586	2179	705	693	9		
7	1A	423	Total	C	N	O	S	0	0
			3586	2179	705	693	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	1B	126	Total	C	N	O	S	0	0
			1052	636	209	201	6		

- Molecule 8 is a protein called KIAA1430 homologue.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	0a	96	Total	C	N	O	S	0	0
			828	505	167	152	4		
8	0b	134	Total	C	N	O	S	0	0
			1155	706	234	210	5		
8	0c	134	Total	C	N	O	S	0	0
			1155	706	234	210	5		
8	0d	134	Total	C	N	O	S	0	0
			1155	706	234	210	5		
8	0e	134	Total	C	N	O	S	0	0
			1155	706	234	210	5		
8	0f	38	Total	C	N	O	S	0	0
			327	201	67	58	1		

- Molecule 9 is a protein called Starmaker.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	0g	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0h	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0i	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0j	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0k	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0l	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0m	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0n	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0o	72	Total	C	N	O	S	0	0
			643	395	130	116	2		
9	0p	72	Total	C	N	O	S	0	0
			643	395	130	116	2		

- Molecule 10 is a protein called LIM zinc-binding domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	0q	97	Total	C	N	O	S	0	0
			731	450	131	142	8		

- Molecule 11 is a protein called Sperm-tail PG-rich repeat.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	0r	77	Total	C	N	O	S	0	0
			613	391	114	106	2		
11	0s	207	Total	C	N	O	S	0	0
			1606	1018	292	293	3		

- Molecule 12 is a protein called MOP84A.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	0t	470	Total	C	N	O	S	0	0
			3548	2199	631	697	21		

- Molecule 13 is a protein called Leucine-rich repeat protein (LRRP).

Mol	Chain	Residues	Atoms					AltConf	Trace
13	0u	483	Total	C	N	O	S	0	0
			3730	2318	679	710	23		

- Molecule 14 is a protein called Coiled-coil domain-containing protein 39.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	0v	419	Total	C	N	O	S	0	0
			3443	2081	674	677	11		
14	0w	487	Total	C	N	O	S	0	0
			3966	2414	768	766	18		

- Molecule 15 is a protein called Coiled-coil domain-containing protein 40.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	0x	421	Total	C	N	O	S	0	0
			3425	2107	614	691	13		
15	0y	459	Total	C	N	O	S	0	0
			3706	2277	671	738	20		

- Molecule 16 is a protein called Cilia- and flagella-associated protein 299.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	0z	223	Total	C	N	O	S	0	0
			1848	1170	325	351	2		

- Molecule 17 is a protein called Nucleoside diphosphate kinase, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	1C	332	Total	C	N	O	S	0	0
			2587	1637	446	484	20		
17	1D	332	Total	C	N	O	S	0	0
			2587	1637	446	484	20		
17	1G	332	Total	C	N	O	S	0	0
			2587	1637	446	484	20		

- Molecule 18 is a protein called Nucleoside diphosphate kinase, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	1E	343	Total	C	N	O	S	0	0
			2685	1703	472	493	17		
18	1F	343	Total	C	N	O	S	0	0
			2685	1703	472	493	17		

- Molecule 19 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	1H	419	Total	C	N	O	S	0	0
			3331	2094	584	638	15		
19	1I	419	Total	C	N	O	S	0	0
			3331	2094	584	638	15		

- Molecule 20 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
20	1J	414	Total	C	N	O	S	0	0
			3295	2050	603	624	18		
20	1K	414	Total	C	N	O	S	0	0
			3295	2050	603	624	18		

- Molecule 21 is a protein called Cyclic nucleotide-binding domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
21	1L	306	Total	C	N	O	S	0	0
			2446	1557	422	454	13		

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Mol	Chain	Residues	Atoms					AltConf	Trace
21	1M	306	Total	C	N	O	S	0	0
			2446	1557	422	454	13		

- Molecule 22 is a protein called TbMIP23.

Mol	Chain	Residues	Atoms					AltConf	Trace
22	1N	170	Total	C	N	O	S	0	0
			1262	795	219	241	7		
22	1O	170	Total	C	N	O	S	0	0
			1262	795	219	241	7		

- Molecule 23 is a protein called FAP141.

Mol	Chain	Residues	Atoms					AltConf	Trace
23	1P	105	Total	C	N	O	S	0	0
			837	503	167	162	5		
23	1Q	105	Total	C	N	O	S	0	0
			837	503	167	162	5		

- Molecule 24 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
24	1R	181	Total	C	N	O	S	0	0
			1457	935	250	267	5		
24	1S	181	Total	C	N	O	S	0	0
			1457	935	250	267	5		

- Molecule 25 is a protein called Calpain-like cysteine peptidase, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
25	1T	269	Total	C	N	O	S	0	0
			2100	1327	366	392	15		
25	1U	269	Total	C	N	O	S	0	0
			2100	1327	366	392	15		
25	1V	269	Total	C	N	O	S	0	0
			2100	1327	366	392	15		

- Molecule 26 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
26	1W	472	Total	C	N	O	S	0	0
			3717	2352	651	692	22		

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Mol	Chain	Residues	Atoms					AltConf	Trace
26	1X	472	Total 3717	C 2352	N 651	O 692	S 22	0	0

- Molecule 27 is a protein called Calcium-binding protein, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
27	1Y	357	Total 2921	C 1842	N 511	O 552	S 16	0	0
27	1Z	357	Total 2921	C 1842	N 511	O 552	S 16	0	0

- Molecule 28 is a protein called Cilia- and flagella-associated protein 58 central coiled coil domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
28	1a	509	Total 4224	C 2582	N 796	O 823	S 23	0	0

- Molecule 29 is a protein called Cilia- and flagella-associated protein 58 central coiled coil domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
29	1b	517	Total 4282	C 2632	N 829	O 803	S 18	0	0

- Molecule 30 is a protein called CMF5.

Mol	Chain	Residues	Atoms					AltConf	Trace
30	1c	972	Total 7724	C 4829	N 1382	O 1477	S 36	0	0

- Molecule 31 is a protein called CMF6.

Mol	Chain	Residues	Atoms					AltConf	Trace
31	1d	958	Total 7575	C 4739	N 1359	O 1438	S 39	0	0

- Molecule 32 is a protein called CCDC113/CCDC96 coiled-coil domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
32	1e	328	Total	C	N	O	S	0	0
			2755	1690	534	516	15		

- Molecule 33 is a protein called Cilia- and flagella-associated protein 263.

Mol	Chain	Residues	Atoms					AltConf	Trace
33	1f	333	Total	C	N	O	S	0	0
			2738	1678	519	527	14		

- Molecule 34 is a protein called DRC1.

Mol	Chain	Residues	Atoms					AltConf	Trace
34	1g	570	Total	C	N	O	S	0	0
			4747	2921	882	925	19		

- Molecule 35 is a protein called Dynein regulatory complex subunit 2.

Mol	Chain	Residues	Atoms					AltConf	Trace
35	1h	438	Total	C	N	O	S	0	0
			3589	2210	647	715	17		

- Molecule 36 is a protein called Dynein regulatory complex subunit 3.

Mol	Chain	Residues	Atoms					AltConf	Trace
36	1i	535	Total	C	N	O	S	0	0
			4420	2768	794	841	17		

- Molecule 37 is a protein called Trypanin-related protein, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
37	1j	424	Total	C	N	O	S	0	0
			3544	2189	663	675	17		

- Molecule 38 is a protein called Trypanin.

Mol	Chain	Residues	Atoms					AltConf	Trace
38	1k	420	Total	C	N	O	S	0	0
			3534	2173	666	681	14		

- Molecule 39 is a protein called Leucine-rich repeat protein (LRRP).

Mol	Chain	Residues	Atoms					AltConf	Trace
39	1l	392	Total	C	N	O	S	0	0
			3071	1939	538	583	11		

- Molecule 40 is a protein called Transglutaminase-like domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
40	1m	484	Total	C	N	O	S	0	0
			4013	2567	710	717	19		

- Molecule 41 is a protein called DRC9.

Mol	Chain	Residues	Atoms					AltConf	Trace
41	1n	410	Total	C	N	O	S	0	0
			3266	2020	609	628	9		

- Molecule 42 is a protein called Dynein regulatory complex protein 10.

Mol	Chain	Residues	Atoms					AltConf	Trace
42	1o	416	Total	C	N	O	S	0	0
			3311	2040	579	676	16		

- Molecule 43 is a protein called ATPase AAA-type core domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
43	1p	553	Total	C	N	O	S	0	0
			4417	2785	782	820	30		

- Molecule 44 is a protein called Cilia- and flagella-associated protein 43.

Mol	Chain	Residues	Atoms					AltConf	Trace
44	1r	1383	Total	C	N	O	S	0	0
			10942	6862	1928	2079	73		

- Molecule 45 is a protein called Cilia- and flagella-associated protein 44.

Mol	Chain	Residues	Atoms					AltConf	Trace
45	1t	1298	Total	C	N	O	S	0	0
			10371	6524	1830	1957	60		

- Molecule 46 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
46	2A	276	Total	C	N	O	S	0	0
			2253	1422	411	409	11		
46	2B	276	Total	C	N	O	S	0	0
			2253	1422	411	409	11		
46	2C	218	Total	C	N	O	S	0	0
			1766	1113	322	322	9		

- Molecule 47 is a protein called Peptidyl-prolyl cis-trans isomerase.

Mol	Chain	Residues	Atoms					AltConf	Trace
47	2D	247	Total	C	N	O	S	0	0
			1908	1188	346	360	14		
47	2E	247	Total	C	N	O	S	0	0
			1908	1188	346	360	14		
47	2F	247	Total	C	N	O	S	0	0
			1908	1188	346	360	14		

- Molecule 48 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
48	2G	298	Total	C	N	O	S	0	0
			2371	1516	415	427	13		
48	2H	298	Total	C	N	O	S	0	0
			2371	1516	415	427	13		
48	2I	298	Total	C	N	O	S	0	0
			2371	1516	415	427	13		

- Molecule 49 is a protein called FAP107/MC11.

Mol	Chain	Residues	Atoms					AltConf	Trace
49	2J	237	Total	C	N	O	S	0	0
			1880	1180	325	363	12		
49	2K	237	Total	C	N	O	S	0	0
			1880	1180	325	363	12		
49	2L	237	Total	C	N	O	S	0	0
			1880	1180	325	363	12		

- Molecule 50 is a protein called T. brucei spp.-specific protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
50	2M	234	Total	C	N	O	S	0	0
			1862	1148	338	366	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
50	2N	234	Total	C	N	O	S	0	0
			1862	1148	338	366	10		
50	2O	149	Total	C	N	O	S	0	0
			1190	728	226	232	4		

- Molecule 51 is a protein called FAP95/MC6.

Mol	Chain	Residues	Atoms					AltConf	Trace
51	2P	165	Total	C	N	O	S	0	0
			1287	808	234	239	6		
51	2Q	165	Total	C	N	O	S	0	0
			1287	808	234	239	6		

- Molecule 52 is a protein called FAP129.

Mol	Chain	Residues	Atoms					AltConf	Trace
52	2R	258	Total	C	N	O	S	0	0
			2005	1242	371	379	13		
52	2S	258	Total	C	N	O	S	0	0
			2005	1242	371	379	13		
52	2T	258	Total	C	N	O	S	0	0
			2005	1242	371	379	13		

- Molecule 53 is a protein called T. brucei spp.-specific protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
53	2U	292	Total	C	N	O	S	0	0
			2311	1433	422	450	6		
53	2V	375	Total	C	N	O	S	0	0
			2968	1848	540	572	8		
53	2W	375	Total	C	N	O	S	0	0
			2968	1848	540	572	8		

- Molecule 54 is a protein called FAP21.

Mol	Chain	Residues	Atoms					AltConf	Trace
54	2X	371	Total	C	N	O	S	0	0
			2921	1801	561	536	23		
54	2Y	371	Total	C	N	O	S	0	0
			2921	1801	561	536	23		
54	2Z	127	Total	C	N	O	S	0	0
			991	597	205	182	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
54	3D	102	Total	C	N	O	S	0	0
			802	494	150	149	9		

- Molecule 55 is a protein called RSP1.

Mol	Chain	Residues	Atoms					AltConf	Trace
55	2a	322	Total	C	N	O	S	0	0
			2609	1649	450	493	17		
55	2b	322	Total	C	N	O	S	0	0
			2609	1649	450	493	17		
55	2c	322	Total	C	N	O	S	0	0
			2609	1649	450	493	17		
55	2d	322	Total	C	N	O	S	0	0
			2609	1649	450	493	17		

- Molecule 56 is a protein called RSP2.

Mol	Chain	Residues	Atoms					AltConf	Trace
56	2e	507	Total	C	N	O	S	0	0
			3972	2457	718	782	15		
56	2f	507	Total	C	N	O	S	0	0
			3972	2457	718	782	15		
56	2g	507	Total	C	N	O	S	0	0
			3972	2457	718	782	15		
56	2h	507	Total	C	N	O	S	0	0
			3972	2457	718	782	15		

- Molecule 57 is a protein called Radial spoke protein 3, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
57	2i	165	Total	C	N	O	S	0	0
			1413	887	259	262	5		
57	2j	280	Total	C	N	O	S	0	0
			2352	1462	442	441	7		
57	2k	215	Total	C	N	O	S	0	0
			1815	1136	324	350	5		
57	2l	218	Total	C	N	O	S	0	0
			1835	1149	329	352	5		

- Molecule 58 is a protein called Flagellar radial spoke component, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
58	2m	527	Total	C	N	O	S	0	0
			4232	2656	702	854	20		
58	2n	527	Total	C	N	O	S	0	0
			4232	2656	702	854	20		
58	2o	527	Total	C	N	O	S	0	0
			4232	2656	702	854	20		
58	2p	527	Total	C	N	O	S	0	0
			4232	2656	702	854	20		

- Molecule 59 is a protein called Flagellar radial spoke protein-like, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
59	2q	494	Total	C	N	O	S	0	0
			3881	2454	655	760	12		
59	2r	494	Total	C	N	O	S	0	0
			3881	2454	655	760	12		
59	2s	494	Total	C	N	O	S	0	0
			3881	2454	655	760	12		
59	2t	469	Total	C	N	O	S	0	0
			3679	2330	629	708	12		

- Molecule 60 is a protein called RSP8.

Mol	Chain	Residues	Atoms					AltConf	Trace
60	2u	429	Total	C	N	O	S	0	0
			3322	2108	580	617	17		

- Molecule 61 is a protein called Radial spoke head protein 9 homolog.

Mol	Chain	Residues	Atoms					AltConf	Trace
61	2v	297	Total	C	N	O	S	0	0
			2390	1528	408	444	10		
61	2w	297	Total	C	N	O	S	0	0
			2390	1528	408	444	10		
61	2x	297	Total	C	N	O	S	0	0
			2390	1528	408	444	10		
61	2y	297	Total	C	N	O	S	0	0
			2390	1528	408	444	10		

- Molecule 62 is a protein called Radial spoke protein RSP9.

Mol	Chain	Residues	Atoms					AltConf	Trace
62	2z	310	Total	C	N	O	S	0	0
			2451	1563	411	466	11		
62	3a	279	Total	C	N	O	S	0	0
			2199	1416	376	397	10		
62	3b	310	Total	C	N	O	S	0	0
			2451	1563	411	466	11		
62	3c	272	Total	C	N	O	S	0	0
			2145	1381	368	386	10		

- Molecule 63 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
63	3A	205	Total	C	N	O	S	0	0
			1620	1004	305	303	8		
63	3B	305	Total	C	N	O	S	0	0
			2388	1483	447	448	10		
63	3C	305	Total	C	N	O	S	0	0
			2388	1483	447	448	10		

- Molecule 64 is a protein called TbRib26b.

Mol	Chain	Residues	Atoms					AltConf	Trace
64	3E	120	Total	C	N	O	S	0	0
			953	598	170	182	3		
64	3F	98	Total	C	N	O	S	0	0
			772	492	132	146	2		
64	3G	120	Total	C	N	O	S	0	0
			953	598	170	182	3		
64	3H	98	Total	C	N	O	S	0	0
			772	492	132	146	2		
64	3I	120	Total	C	N	O	S	0	0
			953	598	170	182	3		

- Molecule 65 is a protein called EF-hand domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
65	3J	650	Total	C	N	O	S	0	0
			5268	3330	951	972	15		
65	3K	556	Total	C	N	O	S	0	0
			4482	2828	816	827	11		
65	3L	94	Total	C	N	O	S	0	0
			786	502	135	145	4		

- Molecule 66 is a protein called PACRGA.

Mol	Chain	Residues	Atoms					AltConf	Trace
66	3M	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3N	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3O	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3P	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3Q	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3R	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3S	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		
66	3T	277	Total	C	N	O	S	0	0
			2223	1425	399	393	6		

- Molecule 67 is a protein called PACRGB.

Mol	Chain	Residues	Atoms					AltConf	Trace
67	3U	226	Total	C	N	O	S	0	0
			1819	1174	311	329	5		
67	3V	226	Total	C	N	O	S	0	0
			1819	1174	311	329	5		
67	3W	226	Total	C	N	O	S	0	0
			1819	1174	311	329	5		
67	3X	226	Total	C	N	O	S	0	0
			1819	1174	311	329	5		
67	3Y	226	Total	C	N	O	S	0	0
			1819	1174	311	329	5		

- Molecule 68 is a protein called Cilia- and flagella-associated protein 20.

Mol	Chain	Residues	Atoms					AltConf	Trace
68	3Z	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4A	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4B	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4C	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
68	4D	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4E	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4F	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4G	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4H	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4I	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4J	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4K	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4L	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4M	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		
68	4N	185	Total	C	N	O	S	0	0
			1537	985	271	273	8		

- Molecule 69 is a protein called Phosphatidylinositol 4-phosphate 5-kinase.

Mol	Chain	Residues	Atoms					AltConf	Trace
69	3d	675	Total	C	N	O	S	0	0
			5388	3380	969	1023	16		
69	3e	675	Total	C	N	O	S	0	0
			5388	3380	969	1023	16		
69	3f	675	Total	C	N	O	S	0	0
			5388	3380	969	1023	16		
69	3g	675	Total	C	N	O	S	0	0
			5388	3380	969	1023	16		

- Molecule 70 is a protein called Cyclophilin type peptidyl-prolyl cis-trans isomerase, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
70	3h	310	Total	C	N	O	S	0	0
			2453	1538	426	466	23		
70	3i	310	Total	C	N	O	S	0	0
			2453	1538	426	466	23		

- Molecule 71 is a protein called RSP14.

Mol	Chain	Residues	Atoms					AltConf	Trace
71	3j	380	Total	C	N	O	S	0	0
			3009	1900	526	562	21		

- Molecule 72 is a protein called Leucine-rich repeat protein (LRRP).

Mol	Chain	Residues	Atoms					AltConf	Trace
72	3k	364	Total	C	N	O	S	0	0
			2743	1715	479	534	15		

- Molecule 73 is a protein called Chaperone protein DNAJ, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
73	3l	302	Total	C	N	O	S	0	0
			2354	1487	413	448	6		
73	3m	289	Total	C	N	O	S	0	0
			2252	1420	397	429	6		
73	3o	302	Total	C	N	O	S	0	0
			2354	1487	413	448	6		
73	3p	289	Total	C	N	O	S	0	0
			2252	1420	397	429	6		

- Molecule 74 is a protein called Nucleoside diphosphate kinase.

Mol	Chain	Residues	Atoms					AltConf	Trace
74	3q	223	Total	C	N	O	S	0	0
			1769	1121	320	320	8		
74	3r	223	Total	C	N	O	S	0	0
			1769	1121	320	320	8		
74	3s	223	Total	C	N	O	S	0	0
			1769	1121	320	320	8		
74	3t	223	Total	C	N	O	S	0	0
			1769	1121	320	320	8		

- Molecule 75 is a protein called Dynein light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
75	3u	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	3v	87	Total	C	N	O	S	0	0
			715	465	116	131	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
75	3w	88	Total	C	N	O	S	0	0
			722	469	117	133	3		
75	3x	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	3y	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	3z	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	4a	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	4b	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	4c	87	Total	C	N	O	S	0	0
			717	467	116	131	3		
75	4d	87	Total	C	N	O	S	0	0
			717	467	116	131	3		
75	4e	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4f	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4g	87	Total	C	N	O	S	0	0
			717	467	116	131	3		
75	4h	87	Total	C	N	O	S	0	0
			717	467	116	131	3		
75	4i	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4j	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4k	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4l	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4m	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	4n	86	Total	C	N	O	S	0	0
			710	463	115	129	3		
75	5s	87	Total	C	N	O	S	0	0
			715	465	116	131	3		
75	5t	89	Total	C	N	O	S	0	0
			728	472	118	135	3		
75	5u	84	Total	C	N	O	S	0	0
			687	449	109	126	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
75	5v	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	5w	90	Total	C	N	O	S	0	0
			736	477	119	136	4		
75	5x	90	Total	C	N	O	S	0	0
			736	477	119	136	4		
75	7k	89	Total	C	N	O	S	0	0
			728	472	118	135	3		
75	7n	84	Total	C	N	O	S	0	0
			687	449	109	126	3		
75	7o	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	7p	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	8k	89	Total	C	N	O	S	0	0
			728	472	118	135	3		
75	8n	84	Total	C	N	O	S	0	0
			687	449	109	126	3		
75	8o	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	8p	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	9k	89	Total	C	N	O	S	0	0
			728	472	118	135	3		
75	9n	84	Total	C	N	O	S	0	0
			687	449	109	126	3		
75	9o	86	Total	C	N	O	S	0	0
			707	461	115	128	3		
75	9p	86	Total	C	N	O	S	0	0
			707	461	115	128	3		

- Molecule 76 is a protein called Cilia- and flagella-associated protein 52.

Mol	Chain	Residues	Atoms					AltConf	Trace
76	4O	620	Total	C	N	O	S	0	0
			4671	2918	821	901	31		
76	4P	627	Total	C	N	O	S	0	0
			4727	2953	829	914	31		
76	4Q	627	Total	C	N	O	S	0	0
			4727	2953	829	914	31		
76	4R	620	Total	C	N	O	S	0	0
			4671	2918	821	901	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
76	4S	627	Total	C	N	O	S	0	0
			4727	2953	829	914	31		
76	4T	627	Total	C	N	O	S	0	0
			4727	2953	829	914	31		
76	4U	620	Total	C	N	O	S	0	0
			4671	2918	821	901	31		

- Molecule 77 is a protein called Enkurin domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
77	4V	240	Total	C	N	O	S	0	0
			1867	1166	339	358	4		
77	4W	240	Total	C	N	O	S	0	0
			1867	1166	339	358	4		
77	4X	240	Total	C	N	O	S	0	0
			1867	1166	339	358	4		
77	4Y	240	Total	C	N	O	S	0	0
			1867	1166	339	358	4		
77	4Z	240	Total	C	N	O	S	0	0
			1867	1166	339	358	4		

- Molecule 78 is a protein called Cytochrome b5 domain-containing protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
78	4o	220	Total	C	N	O	S	0	0
			1802	1139	302	352	9		
78	4p	220	Total	C	N	O	S	0	0
			1802	1139	302	352	9		

- Molecule 79 is a protein called Leucine-rich repeat protein (LRRP).

Mol	Chain	Residues	Atoms					AltConf	Trace
79	4q	852	Total	C	N	O	S	0	0
			6513	4052	1149	1276	36		
79	4r	852	Total	C	N	O	S	0	0
			6513	4052	1149	1276	36		

- Molecule 80 is a protein called VWFA domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
80	4s	809	Total	C	N	O	S	0	0
			6179	3905	1079	1154	41		

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Mol	Chain	Residues	Atoms					AltConf	Trace
80	4t	809	Total	C	N	O	S	0	0
			6179	3905	1079	1154	41		

- Molecule 81 is a protein called TbRSP63.

Mol	Chain	Residues	Atoms					AltConf	Trace
81	4u	501	Total	C	N	O	S	0	0
			3934	2439	702	770	23		
81	4v	501	Total	C	N	O	S	0	0
			3934	2439	702	770	23		

- Molecule 82 is a protein called IQ and ubiquitin-like domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
82	4w	512	Total	C	N	O	S	0	0
			4141	2593	775	757	16		

- Molecule 83 is a protein called Calmodulin.

Mol	Chain	Residues	Atoms					AltConf	Trace
83	4x	148	Total	C	N	O	S	0	0
			839	501	160	176	2		

- Molecule 84 is a protein called MORN repeat-containing protein 3.

Mol	Chain	Residues	Atoms					AltConf	Trace
84	4y	661	Total	C	N	O	S	0	0
			5306	3343	952	984	27		

- Molecule 85 is a protein called Cilia- and flagella-associated protein 206.

Mol	Chain	Residues	Atoms					AltConf	Trace
85	4z	528	Total	C	N	O	S	0	0
			4132	2595	726	785	26		

- Molecule 86 is a protein called Enkurin domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
86	5A	229	Total	C	N	O	S	0	0
			1905	1207	344	347	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
86	5B	229	Total	C	N	O	S	0	0
			1905	1207	344	347	7		

- Molecule 87 is a protein called MC4.

Mol	Chain	Residues	Atoms					AltConf	Trace
87	5C	279	Total	C	N	O	S	0	0
			2217	1384	418	404	11		
87	5D	275	Total	C	N	O	S	0	0
			2186	1366	412	398	10		
87	5E	275	Total	C	N	O	S	0	0
			2186	1366	412	398	10		
87	5F	279	Total	C	N	O	S	0	0
			2217	1384	418	404	11		
87	5G	275	Total	C	N	O	S	0	0
			2186	1366	412	398	10		
87	5H	275	Total	C	N	O	S	0	0
			2186	1366	412	398	10		
87	5I	279	Total	C	N	O	S	0	0
			2217	1384	418	404	11		
87	5J	173	Total	C	N	O	S	0	0
			1370	849	266	247	8		

- Molecule 88 is a protein called Cilia- and flagella-associated protein 45.

Mol	Chain	Residues	Atoms					AltConf	Trace
88	5K	153	Total	C	N	O	S	0	0
			1308	790	260	249	9		
88	5S	165	Total	C	N	O	S	0	0
			1369	821	260	275	13		
88	5T	459	Total	C	N	O	S	0	0
			3875	2336	762	753	24		
88	5U	459	Total	C	N	O	S	0	0
			3875	2336	762	753	24		
88	5V	295	Total	C	N	O	S	0	0
			2465	1490	478	482	15		
88	5W	473	Total	C	N	O	S	0	0
			3981	2402	783	772	24		
88	5X	382	Total	C	N	O	S	0	0
			3253	1966	638	632	17		

- Molecule 89 is a protein called CCDC81 HU domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
89	5L	239	Total	C	N	O	S	0	0
			1911	1207	342	348	14		
89	5M	239	Total	C	N	O	S	0	0
			1911	1207	342	348	14		

- Molecule 90 is a protein called MC5.

Mol	Chain	Residues	Atoms					AltConf	Trace
90	5N	238	Total	C	N	O	S	0	0
			1900	1188	349	355	8		
90	5O	238	Total	C	N	O	S	0	0
			1900	1188	349	355	8		
90	5P	238	Total	C	N	O	S	0	0
			1900	1188	349	355	8		
90	5Q	238	Total	C	N	O	S	0	0
			1900	1188	349	355	8		
90	5R	238	Total	C	N	O	S	0	0
			1900	1188	349	355	8		

- Molecule 91 is a protein called Trichohyalin-plectin-homology domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
91	5Y	408	Total	C	N	O	S	0	0
			3422	2084	668	652	18		
91	5Z	465	Total	C	N	O	S	0	0
			3907	2378	757	751	21		
91	6A	262	Total	C	N	O	S	0	0
			2236	1357	437	429	13		

- Molecule 92 is a protein called TbRSP62.

Mol	Chain	Residues	Atoms					AltConf	Trace
92	5a	155	Total	C	N	O	S	0	0
			1256	783	231	237	5		

- Molecule 93 is a protein called Cilia- and flagella-associated protein 91.

Mol	Chain	Residues	Atoms					AltConf	Trace
93	5b	172	Total	C	N	O	S	0	0
			1419	876	270	267	6		

- Molecule 94 is a protein called Cilia- and flagella-associated protein 251.

Mol	Chain	Residues	Atoms					AltConf	Trace
94	5c	918	Total	C	N	O	S	0	0
			7136	4531	1227	1343	35		

- Molecule 95 is a protein called Cilia- and flagella-associated protein 61 N-terminal domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
95	5d	1274	Total	C	N	O	S	0	0
			10191	6477	1738	1929	47		

- Molecule 96 is a protein called DUF4200 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
96	5e	225	Total	C	N	O	S	0	0
			1895	1154	373	362	6		

- Molecule 97 is a protein called DUF4200 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
97	5f	322	Total	C	N	O	S	0	0
			2649	1636	481	519	13		

- Molecule 98 is a protein called Leucine-rich repeat-containing protein 51.

Mol	Chain	Residues	Atoms					AltConf	Trace
98	5g	435	Total	C	N	O	S	0	0
			3510	2220	618	654	18		

- Molecule 99 is a protein called IDAf-alpha.

Mol	Chain	Residues	Atoms					AltConf	Trace
99	5h	1379	Total	C	N	O	S	0	0
			11265	7169	1969	2076	51		
99	5i	3336	Total	C	N	O	S	0	0
			26792	17002	4620	5021	149		

- Molecule 100 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
100	5j	1336	Total	C	N	O	S	0	0
			10917	6902	1939	2025	51		

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Mol	Chain	Residues	Atoms					AltConf	Trace
100	5k	3425	Total 27648	C 17529	N 4783	O 5192	S 144	0	0

- Molecule 101 is a protein called Dynein axonemal intermediate chain 4.

Mol	Chain	Residues	Atoms					AltConf	Trace
101	5l	435	Total 3410	C 2133	N 590	O 666	S 21	0	0

- Molecule 102 is a protein called IC140.

Mol	Chain	Residues	Atoms					AltConf	Trace
102	5m	477	Total 3788	C 2392	N 690	O 686	S 20	0	0

- Molecule 103 is a protein called IC97/Casc1 N-terminal domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
103	5n	645	Total 5223	C 3319	N 902	O 976	S 26	0	0

- Molecule 104 is a protein called FAP120.

Mol	Chain	Residues	Atoms					AltConf	Trace
104	5o	337	Total 2622	C 1621	N 473	O 512	S 16	0	0

- Molecule 105 is a protein called Dynein light chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
105	5p	111	Total 929	C 583	N 167	O 172	S 7	0	0
105	7i	111	Total 929	C 583	N 167	O 172	S 7	0	0
105	8i	111	Total 929	C 583	N 167	O 172	S 7	0	0
105	9i	111	Total 929	C 583	N 167	O 172	S 7	0	0

- Molecule 106 is a protein called Dynein light chain roadblock.

Mol	Chain	Residues	Atoms					AltConf	Trace
106	5q	98	Total	C	N	O	S	0	0
			784	500	139	144	1		
106	7l	98	Total	C	N	O	S	0	0
			784	500	139	144	1		
106	8l	98	Total	C	N	O	S	0	0
			784	500	139	144	1		
106	9l	98	Total	C	N	O	S	0	0
			784	500	139	144	1		

- Molecule 107 is a protein called Dynein light chain roadblock.

Mol	Chain	Residues	Atoms					AltConf	Trace
107	5r	95	Total	C	N	O	S	0	0
			756	470	138	145	3		
107	7m	95	Total	C	N	O	S	0	0
			756	470	138	145	3		
107	8m	95	Total	C	N	O	S	0	0
			756	470	138	145	3		
107	9m	95	Total	C	N	O	S	0	0
			756	470	138	145	3		

- Molecule 108 is a protein called Dynein light chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
108	5y	102	Total	C	N	O	S	0	0
			823	533	133	153	4		
108	7q	102	Total	C	N	O	S	0	0
			823	533	133	153	4		
108	8q	102	Total	C	N	O	S	0	0
			823	533	133	153	4		
108	9q	102	Total	C	N	O	S	0	0
			823	533	133	153	4		

- Molecule 109 is a protein called Trichohyalin-plectin-homology domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
109	6B	93	Total	C	N	O	S	0	0
			786	487	155	142	2		
109	6C	318	Total	C	N	O	S	0	0
			2691	1646	523	508	14		
109	6D	318	Total	C	N	O	S	0	0
			2691	1646	523	508	14		

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Mol	Chain	Residues	Atoms					AltConf	Trace
109	6E	80	Total	C	N	O	S	0	0
			699	429	133	135	2		
109	6F	344	Total	C	N	O	S	0	0
			2892	1769	564	545	14		
109	6G	347	Total	C	N	O	S	0	0
			2912	1780	567	551	14		
109	6H	180	Total	C	N	O	S	0	0
			1538	931	303	296	8		
109	6I	239	Total	C	N	O	S	0	0
			1975	1209	384	372	10		
109	6J	346	Total	C	N	O	S	0	0
			2905	1775	566	550	14		
109	6K	285	Total	C	N	O	S	0	0
			2394	1457	467	458	12		
109	6L	141	Total	C	N	O	S	0	0
			1161	721	225	213	2		
109	6M	347	Total	C	N	O	S	0	0
			2912	1780	567	551	14		
109	6N	347	Total	C	N	O	S	0	0
			2912	1780	567	551	14		
109	6O	253	Total	C	N	O	S	0	0
			2146	1307	417	410	12		
109	6P	253	Total	C	N	O	S	0	0
			2146	1307	417	410	12		
109	6Q	163	Total	C	N	O	S	0	0
			1406	852	276	270	8		

- Molecule 110 is a protein called STOP axonemal protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
110	6R	151	Total	C	N	O	S	0	0
			1199	765	212	217	5		
110	6S	228	Total	C	N	O	S	0	0
			1816	1155	318	332	11		
110	6T	177	Total	C	N	O	S	0	0
			1415	902	243	261	9		
110	6U	98	Total	C	N	O	S	0	0
			776	492	138	141	5		
110	6V	231	Total	C	N	O	S	0	0
			1846	1168	331	336	11		
110	6W	231	Total	C	N	O	S	0	0
			1846	1168	331	336	11		

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Mol	Chain	Residues	Atoms	AltConf	Trace
110	6X	51	Total C N O S 401 250 70 76 5	0	0
110	6Y	229	Total C N O S 1819 1152 322 334 11	0	0
110	6Z	229	Total C N O S 1819 1152 322 334 11	0	0
110	7A	112	Total C N O S 886 559 158 163 6	0	0
110	7B	179	Total C N O S 1430 912 251 262 5	0	0
110	7C	239	Total C N O S 1907 1212 334 350 11	0	0
110	7D	178	Total C N O S 1424 907 246 262 9	0	0
110	7E	106	Total C N O S 839 530 147 157 5	0	0
110	7F	228	Total C N O S 1814 1148 321 334 11	0	0
110	7G	228	Total C N O S 1814 1148 321 334 11	0	0
110	7H	101	Total C N O S 798 503 144 145 6	0	0
110	7I	237	Total C N O S 1884 1193 336 344 11	0	0
110	7J	237	Total C N O S 1884 1193 336 344 11	0	0
110	7K	51	Total C N O S 401 253 75 71 2	0	0
110	9Z	43	Total C N O S 337 213 64 59 1	0	0

- Molecule 111 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms	AltConf	Trace
111	6a	4058	Total C N O S 32697 20810 5575 6136 176	0	0

- Molecule 112 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms	AltConf	Trace
112	6b	4055	Total C N O S 32697 20834 5572 6089 202	0	0

- Molecule 113 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
113	6c	3929	Total	C	N	O	S	0	0
			31436	19931	5406	5916	183		

- Molecule 114 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
114	6d	4002	Total	C	N	O	S	0	0
			31959	20295	5495	6005	164		

- Molecule 115 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
115	6e	4089	Total	C	N	O	S	0	0
			32835	20894	5595	6161	185		

- Molecule 116 is a protein called Actin A.

Mol	Chain	Residues	Atoms					AltConf	Trace
116	6f	372	Total	C	N	O	S	0	0
			2905	1835	492	556	22		
116	6g	371	Total	C	N	O	S	0	0
			2896	1830	491	553	22		

- Molecule 117 is a protein called Actin-like protein, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
117	6h	393	Total	C	N	O	S	0	0
			3040	1901	539	578	22		

- Molecule 118 is a protein called Actin, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
118	6i	412	Total	C	N	O	S	0	0
			3215	2021	571	602	21		

- Molecule 119 is a protein called Actin, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
119	6j	392	Total	C	N	O	S	0	0
			3038	1921	525	573	19		

- Molecule 120 is a protein called Dynein arm light chain, axonemal, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
120	6k	168	Total	C	N	O	S	0	0
			1383	854	248	273	8		
120	6l	214	Total	C	N	O	S	0	0
			1770	1109	310	343	8		
120	6m	221	Total	C	N	O	S	0	0
			1825	1142	321	354	8		

- Molecule 121 is a protein called 33 kDa inner dynein arm light chain, axonemal, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
121	6n	195	Total	C	N	O	S	0	0
			1621	1004	303	308	6		

- Molecule 122 is a protein called Dynein arm light chain, axonemal, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
122	6o	243	Total	C	N	O	S	0	0
			1959	1224	365	362	8		

- Molecule 123 is a protein called Dynein arm light chain, axonemal, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
123	6p	164	Total	C	N	O	S	0	0
			1370	846	258	258	8		

- Molecule 124 is a protein called Protein TAX-1.

Mol	Chain	Residues	Atoms					AltConf	Trace
124	6q	338	Total	C	N	O	S	0	0
			2687	1714	467	496	10		

- Molecule 125 is a protein called Tetratricopeptide repeat protein 29.

Mol	Chain	Residues	Atoms					AltConf	Trace
125	6r	364	Total	C	N	O	S	0	0
			2906	1816	517	554	19		

- Molecule 126 is a protein called Tetratricopeptide repeat protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
126	6s	370	Total	C	N	O	S	0	0
			2835	1774	523	517	21		

- Molecule 127 is a protein called Centrin, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
127	6t	153	Total	C	N	O	S	0	0
			1226	772	205	244	5		

- Molecule 128 is a protein called Centrin, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
128	6u	153	Total	C	N	O	S	0	0
			1206	760	206	235	5		

- Molecule 129 is a protein called MC8.

Mol	Chain	Residues	Atoms					AltConf	Trace
129	7L	154	Total	C	N	O	S	0	0
			1293	822	224	238	9		
129	7M	154	Total	C	N	O	S	0	0
			1293	822	224	238	9		

- Molecule 130 is a protein called MC3.

Mol	Chain	Residues	Atoms					AltConf	Trace
130	7N	163	Total	C	N	O	S	0	0
			1338	844	232	252	10		
130	7O	163	Total	C	N	O	S	0	0
			1338	844	232	252	10		
130	7P	163	Total	C	N	O	S	0	0
			1338	844	232	252	10		

- Molecule 131 is a protein called FAP90.

Mol	Chain	Residues	Atoms					AltConf	Trace
131	7Q	161	Total	C	N	O	S	0	0
			1281	794	235	244	8		
131	7R	161	Total	C	N	O	S	0	0
			1281	794	235	244	8		
131	7S	161	Total	C	N	O	S	0	0
			1281	794	235	244	8		

- Molecule 132 is a protein called PBP36.

Mol	Chain	Residues	Atoms					AltConf	Trace
132	7T	161	Total	C	N	O	S	0	0
			1288	821	240	222	5		
132	7U	298	Total	C	N	O	S	0	0
			2408	1525	452	421	10		
132	8L	238	Total	C	N	O	S	0	0
			1938	1226	367	338	7		

- Molecule 133 is a protein called Enkurin domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
133	7V	239	Total	C	N	O	S	0	0
			1920	1191	366	352	11		
133	7W	238	Total	C	N	O	S	0	0
			1906	1183	363	347	13		
133	7X	231	Total	C	N	O	S	0	0
			1844	1145	349	337	13		
133	7Y	239	Total	C	N	O	S	0	0
			1920	1191	366	352	11		
133	7Z	238	Total	C	N	O	S	0	0
			1906	1183	363	347	13		
133	8A	231	Total	C	N	O	S	0	0
			1844	1145	349	337	13		
133	8B	239	Total	C	N	O	S	0	0
			1920	1191	366	352	11		
133	8C	238	Total	C	N	O	S	0	0
			1906	1183	363	347	13		

- Molecule 134 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
134	7a	3423	Total	C	N	O	S	0	0
			27522	17521	4745	5105	151		
134	7e	4629	Total	C	N	O	S	0	0
			37310	23753	6431	6935	191		
134	8e	4629	Total	C	N	O	S	0	0
			37310	23753	6431	6935	191		
134	9e	4629	Total	C	N	O	S	0	0
			37310	23753	6431	6935	191		

- Molecule 135 is a protein called Dynein heavy chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
135	7b	3366	Total	C	N	O	S	0	0
			27000	17185	4608	5047	160		
135	7f	4591	Total	C	N	O	S	0	0
			36840	23385	6285	6962	208		
135	8f	4591	Total	C	N	O	S	0	0
			36840	23385	6285	6962	208		
135	9f	4591	Total	C	N	O	S	0	0
			36840	23385	6285	6962	208		

- Molecule 136 is a protein called TbDC65.

Mol	Chain	Residues	Atoms					AltConf	Trace
136	7c	340	Total	C	N	O	S	0	0
			2790	1756	517	504	13		
136	8c	340	Total	C	N	O	S	0	0
			2790	1756	517	504	13		
136	9c	340	Total	C	N	O	S	0	0
			2790	1756	517	504	13		

- Molecule 137 is a protein called TbDC13.

Mol	Chain	Residues	Atoms					AltConf	Trace
137	7d	80	Total	C	N	O	S	0	0
			662	425	123	107	7		
137	8d	80	Total	C	N	O	S	0	0
			662	425	123	107	7		
137	9d	80	Total	C	N	O	S	0	0
			662	425	123	107	7		

- Molecule 138 is a protein called Dynein, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
138	7g	533	Total	C	N	O	S	0	0
			4236	2662	743	812	19		
138	8g	533	Total	C	N	O	S	0	0
			4236	2662	743	812	19		
138	9g	533	Total	C	N	O	S	0	0
			4236	2662	743	812	19		

- Molecule 139 is a protein called Dynein intermediate chain, putative.

Mol	Chain	Residues	Atoms					AltConf	Trace
139	7h	609	Total	C	N	O	S	0	0
			4830	3046	835	920	29		
139	8h	609	Total	C	N	O	S	0	0
			4830	3046	835	920	29		
139	9h	609	Total	C	N	O	S	0	0
			4830	3046	835	920	29		

- Molecule 140 is a protein called Dynein light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
140	7j	105	Total	C	N	O	S	0	0
			855	547	139	158	11		
140	8j	105	Total	C	N	O	S	0	0
			855	547	139	158	11		
140	9j	105	Total	C	N	O	S	0	0
			855	547	139	158	11		

- Molecule 141 is a protein called Dynein light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
141	7r	98	Total	C	N	O	S	0	0
			776	484	140	147	5		
141	8r	98	Total	C	N	O	S	0	0
			776	484	140	147	5		
141	9r	98	Total	C	N	O	S	0	0
			776	484	140	147	5		

- Molecule 142 is a protein called Outer dynein arm docking complex.

Mol	Chain	Residues	Atoms					AltConf	Trace
142	7s	164	Total	C	N	O	S	0	0
			1320	823	229	262	6		
142	8s	327	Total	C	N	O	S	0	0
			2670	1645	501	518	6		
142	9a	180	Total	C	N	O		0	0
			1504	916	305	283			
142	9s	344	Total	C	N	O	S	0	0
			2824	1739	534	545	6		

- Molecule 143 is a protein called ODAD1 central coiled coil region domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
143	7t	179	Total	C	N	O	S	0	0
			1441	888	260	288	5		
143	8t	339	Total	C	N	O	S	0	0
			2727	1662	501	552	12		
143	9b	181	Total	C	N	O	S	0	0
			1450	871	273	299	7		
143	9t	360	Total	C	N	O	S	0	0
			2891	1759	533	587	12		

- Molecule 144 is a protein called Enkurin domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
144	8D	249	Total	C	N	O	S	0	0
			2017	1253	377	376	11		
144	8E	120	Total	C	N	O	S	0	0
			990	609	183	193	5		
144	8F	239	Total	C	N	O	S	0	0
			1937	1202	360	364	11		
144	8G	249	Total	C	N	O	S	0	0
			2017	1253	377	376	11		
144	8H	120	Total	C	N	O	S	0	0
			990	609	183	193	5		
144	8I	239	Total	C	N	O	S	0	0
			1937	1202	360	364	11		
144	8J	249	Total	C	N	O	S	0	0
			2017	1253	377	376	11		
144	8K	120	Total	C	N	O	S	0	0
			990	609	183	193	5		

- Molecule 145 is a protein called PON3.

Mol	Chain	Residues	Atoms					AltConf	Trace
145	8M	100	Total	C	N	O	S	0	0
			824	509	158	149	8		
145	8N	108	Total	C	N	O	S	0	0
			889	548	171	162	8		
145	8O	104	Total	C	N	O	S	0	0
			858	528	167	155	8		
145	8P	100	Total	C	N	O	S	0	0
			824	509	158	149	8		
145	8Q	108	Total	C	N	O	S	0	0
			889	548	171	162	8		
145	8R	104	Total	C	N	O	S	0	0
			858	528	167	155	8		

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Mol	Chain	Residues	Atoms	AltConf	Trace
145	8S	100	Total C N O S 824 509 158 149 8	0	0
145	8T	108	Total C N O S 889 548 171 162 8	0	0

- Molecule 146 is a protein called PON4.

Mol	Chain	Residues	Atoms	AltConf	Trace
146	8U	40	Total C N O S 327 199 60 67 1	0	0
146	8V	131	Total C N O S 1054 633 203 208 10	0	0
146	8W	40	Total C N O S 327 199 60 67 1	0	0
146	8X	40	Total C N O S 327 199 60 67 1	0	0
146	8Y	131	Total C N O S 1054 633 203 208 10	0	0
146	8Z	40	Total C N O S 327 199 60 67 1	0	0
146	9A	40	Total C N O S 327 199 60 67 1	0	0
146	9B	116	Total C N O S 942 564 181 187 10	0	0

- Molecule 147 is a protein called MC7.

Mol	Chain	Residues	Atoms	AltConf	Trace
147	9C	203	Total C N O S 1642 1020 321 293 8	0	0
147	9D	203	Total C N O S 1642 1020 321 293 8	0	0
147	9E	33	Total C N O S 274 177 46 50 1	0	0

- Molecule 148 is a protein called FAP96C/MC15.

Mol	Chain	Residues	Atoms	AltConf	Trace
148	9F	28	Total C N O S 223 143 39 39 2	0	0
148	9G	155	Total C N O S 1218 770 211 229 8	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
148	9H	155	Total	C	N	O	S	0	0
			1218	770	211	229	8		
148	9I	102	Total	C	N	O	S	0	0
			798	499	141	154	4		

- Molecule 149 is a protein called FAP96B.

Mol	Chain	Residues	Atoms					AltConf	Trace
149	9J	173	Total	C	N	O	S	0	0
			1432	926	252	246	8		
149	9K	275	Total	C	N	O	S	0	0
			2269	1458	402	398	11		
149	9L	253	Total	C	N	O	S	0	0
			2071	1328	364	368	11		

- Molecule 150 is a protein called MOP23A.

Mol	Chain	Residues	Atoms					AltConf	Trace
150	9M	160	Total	C	N	O	S	0	0
			1380	847	261	270	2		
150	9N	160	Total	C	N	O	S	0	0
			1380	847	261	270	2		
150	9O	159	Total	C	N	O	S	0	0
			1373	843	260	268	2		
150	9P	160	Total	C	N	O	S	0	0
			1380	847	261	270	2		
150	9Q	160	Total	C	N	O	S	0	0
			1380	847	261	270	2		
150	9R	159	Total	C	N	O	S	0	0
			1373	843	260	268	2		
150	9S	160	Total	C	N	O	S	0	0
			1380	847	261	270	2		

- Molecule 151 is a protein called MOP23B.

Mol	Chain	Residues	Atoms					AltConf	Trace
151	9T	144	Total	C	N	O	S	0	0
			1193	730	230	229	4		
151	9U	144	Total	C	N	O	S	0	0
			1193	730	230	229	4		
151	9V	132	Total	C	N	O	S	0	0
			1091	669	210	208	4		

- Molecule 152 is a protein called MOP23C.

Mol	Chain	Residues	Atoms					AltConf	Trace
152	9W	71	Total	C	N	O	S	0	0
			583	368	100	113	2		
152	9X	71	Total	C	N	O	S	0	0
			583	368	100	113	2		
152	9Y	71	Total	C	N	O	S	0	0
			583	368	100	113	2		

- Molecule 153 is a protein called Tubulin beta chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
153	AA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	AY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Aa	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Ac	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Ae	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	Ag	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Ai	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Ak	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Am	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	Ao	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	BY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	CK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	CY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	DZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	EB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ED	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ER	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ET	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	EZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	FT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	FZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	GZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	HJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	HZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ID	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	IX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	IZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	JY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	KO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	KY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	LY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	ME	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	MY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	NU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	NY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	OY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	PP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	PZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	QZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	RF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	RZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ST	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	SV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	SZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	TY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	UM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	US	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	UZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	VZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	WD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	WZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XJ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XL	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XN	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XP	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XR	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	XT	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XV	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XX	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	XZ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YB	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YD	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YF	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YH	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	YY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZA	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZC	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZE	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZG	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZI	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

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Mol	Chain	Residues	Atoms					AltConf	Trace
153	ZK	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZM	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZO	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZQ	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZS	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZU	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZW	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		
153	ZY	430	Total	C	N	O	S	0	0
			3372	2114	575	652	31		

- Molecule 154 is a protein called Tubulin alpha chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
154	AB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	AX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	AZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Ab	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Ad	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Af	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Ah	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Aj	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Al	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	An	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	Ap	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	BX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	BZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	CZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	DM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	DY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ES	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	EY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	FC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	FY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	GU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	GW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	HY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	II	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	IO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	IY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	JZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	KF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	KZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	LV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	LZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ML	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	MZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ND	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	NL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	NZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ON	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	OZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	PC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	PY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	QS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	QY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	RY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	SI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	SY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	TX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	TZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	UY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	VO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	VY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	WY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	XE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XI	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XK	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XM	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XO	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XQ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XS	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XU	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XW	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	XY	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YA	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YC	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YE	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YG	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
154	YV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	YZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZB	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZD	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZF	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZH	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZJ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZL	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZN	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZP	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZR	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZT	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZV	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZX	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		
154	ZZ	442	Total	C	N	O	S	0	0
			3421	2158	582	660	21		

- Molecule 155 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		AltConf
155	0q	2	Total	Zn	0
			2	2	
155	5C	2	Total	Zn	0
			2	2	
155	5E	1	Total	Zn	0
			1	1	

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Mol	Chain	Residues	Atoms	AltConf
155	5F	2	Total Zn 2 2	0
155	5H	1	Total Zn 1 1	0
155	5I	2	Total Zn 2 2	0
155	5L	1	Total Zn 1 1	0
155	5M	1	Total Zn 1 1	0
155	7V	2	Total Zn 2 2	0
155	7W	2	Total Zn 2 2	0
155	7X	3	Total Zn 3 3	0
155	7Y	2	Total Zn 2 2	0
155	7Z	2	Total Zn 2 2	0
155	7d	1	Total Zn 1 1	0
155	8A	3	Total Zn 3 3	0
155	8B	2	Total Zn 2 2	0
155	8C	3	Total Zn 3 3	0
155	8D	3	Total Zn 3 3	0
155	8F	1	Total Zn 1 1	0
155	8G	1	Total Zn 1 1	0
155	8J	2	Total Zn 2 2	0
155	8M	1	Total Zn 1 1	0
155	8N	1	Total Zn 1 1	0
155	8O	1	Total Zn 1 1	0

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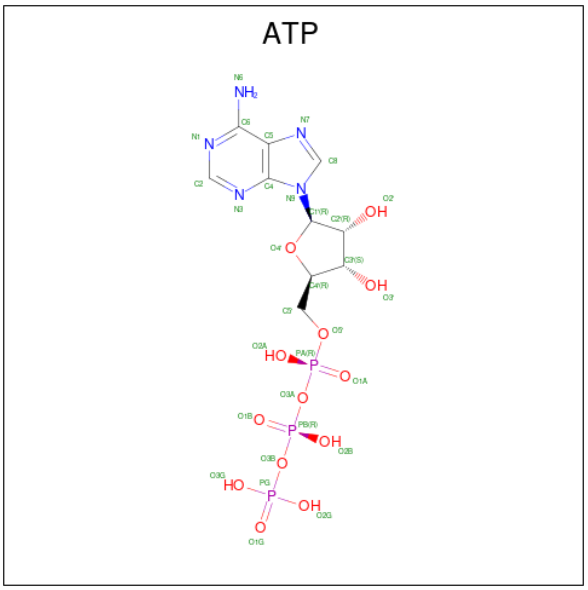
Mol	Chain	Residues	Atoms	AltConf
155	8P	1	Total Zn 1 1	0
155	8Q	1	Total Zn 1 1	0
155	8R	1	Total Zn 1 1	0
155	8S	1	Total Zn 1 1	0
155	8T	1	Total Zn 1 1	0
155	8V	3	Total Zn 3 3	0
155	8Y	3	Total Zn 3 3	0
155	8d	1	Total Zn 1 1	0
155	9B	3	Total Zn 3 3	0
155	9d	1	Total Zn 1 1	0
155	LP	1	Total Zn 1 1	0
155	LV	1	Total Zn 1 1	0
155	MB	1	Total Zn 1 1	0
155	MD	1	Total Zn 1 1	0
155	MN	1	Total Zn 1 1	0
155	MV	1	Total Zn 1 1	0
155	MX	1	Total Zn 1 1	0
155	NF	1	Total Zn 1 1	0
155	NH	1	Total Zn 1 1	0
155	NJ	1	Total Zn 1 1	0
155	NR	1	Total Zn 1 1	0

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Mol	Chain	Residues	Atoms		AltConf
155	NV	1	Total	Zn	0
			1	1	

- Molecule 156 is ADENOSINE-5'-TRIPHOSPHATE (CCD ID: ATP) (formula: $C_{10}H_{16}N_5O_{13}P_3$) (labeled as "Ligand of Interest" by depositor).



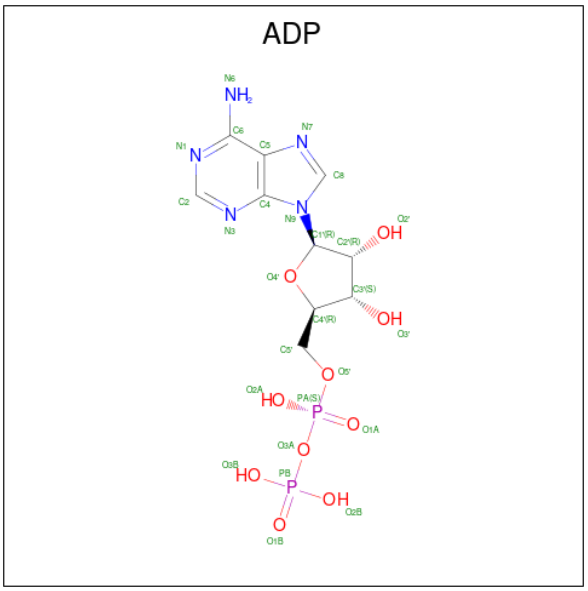
Mol	Chain	Residues	Atoms					AltConf
156	7a	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7a	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7a	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7b	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7b	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7b	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7f	1	Total	C	N	O	P	0
			31	10	5	13	3	

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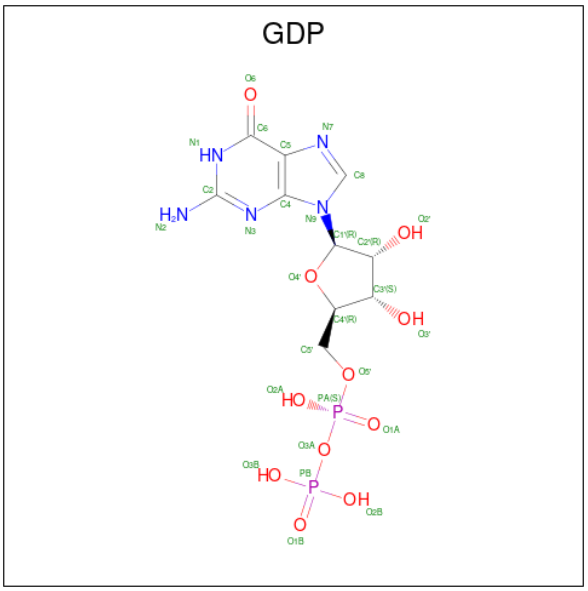
Mol	Chain	Residues	Atoms					AltConf
156	7f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	7f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	8f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9e	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9f	1	Total	C	N	O	P	0
			31	10	5	13	3	
156	9f	1	Total	C	N	O	P	0
			31	10	5	13	3	

- Molecule 157 is ADENOSINE-5'-DIPHOSPHATE (CCD ID: ADP) (formula: $C_{10}H_{15}N_5O_{10}P_2$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
157	7a	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	7b	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	7e	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	7f	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	8e	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	8f	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	9e	1	Total	C	N	O	P	0
			27	10	5	10	2	
157	9f	1	Total	C	N	O	P	0
			27	10	5	10	2	

- Molecule 158 is GUANOSINE-5'-DIPHOSPHATE (CCD ID: GDP) (formula: $C_{10}H_{15}N_5O_{11}P_2$).



Mol	Chain	Residues	Atoms					AltConf
158	AA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	AY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Aa	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	Ac	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Ae	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Ag	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Ai	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Ak	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Am	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	Ao	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	BY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CC	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	CE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	CY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DV	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	DX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	DZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ED	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ER	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ET	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	EZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FN	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	FP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	FZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	GZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HD	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	HF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	HZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ID	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IT	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	IV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	IZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	JY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KI	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	KK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	KY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	LY	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	MA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ME	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	MY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NQ	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	NS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	NY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	OY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PJ	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	PL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	PZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	QZ	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	RB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	RZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SP	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	SR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ST	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	SZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	TY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UE	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UG	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	UI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	US	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	UZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	VX	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	VZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WN	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	WZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XL	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XN	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	XP	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XR	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XT	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XV	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XX	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	XZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YB	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YD	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YF	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YH	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	YY	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZA	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZC	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZE	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
158	ZG	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZI	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZK	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZM	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZO	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZS	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZU	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZW	1	Total	C	N	O	P	0
			28	10	5	11	2	
158	ZY	1	Total	C	N	O	P	0
			28	10	5	11	2	

- Molecule 159 is MAGNESIUM ION (CCD ID: MG) (formula: Mg) (labeled as "Ligand of Interest" by depositor).

Mol	Chain	Residues	Atoms		AltConf
159	AB	1	Total	Mg	0
			1	1	
159	AD	1	Total	Mg	0
			1	1	
159	AF	1	Total	Mg	0
			1	1	
159	AH	1	Total	Mg	0
			1	1	
159	AJ	1	Total	Mg	0
			1	1	
159	AL	1	Total	Mg	0
			1	1	
159	AN	1	Total	Mg	0
			1	1	
159	AP	1	Total	Mg	0
			1	1	
159	AR	1	Total	Mg	0
			1	1	

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Mol	Chain	Residues	Atoms	AltConf
159	AT	1	Total Mg 1 1	0
159	AV	1	Total Mg 1 1	0
159	AX	1	Total Mg 1 1	0
159	AZ	1	Total Mg 1 1	0
159	Ab	1	Total Mg 1 1	0
159	Ad	1	Total Mg 1 1	0
159	Af	1	Total Mg 1 1	0
159	Ah	1	Total Mg 1 1	0
159	Aj	1	Total Mg 1 1	0
159	Al	1	Total Mg 1 1	0
159	An	1	Total Mg 1 1	0
159	Ap	1	Total Mg 1 1	0
159	BB	1	Total Mg 1 1	0
159	BD	1	Total Mg 1 1	0
159	BF	1	Total Mg 1 1	0
159	BH	1	Total Mg 1 1	0
159	BJ	1	Total Mg 1 1	0
159	BL	1	Total Mg 1 1	0
159	BN	1	Total Mg 1 1	0
159	BP	1	Total Mg 1 1	0
159	BR	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	BT	1	Total Mg 1 1	0
159	BV	1	Total Mg 1 1	0
159	BX	1	Total Mg 1 1	0
159	BZ	1	Total Mg 1 1	0
159	CB	1	Total Mg 1 1	0
159	CD	1	Total Mg 1 1	0
159	CF	1	Total Mg 1 1	0
159	CI	1	Total Mg 1 1	0
159	CJ	1	Total Mg 1 1	0
159	CL	1	Total Mg 1 1	0
159	CN	1	Total Mg 1 1	0
159	CP	1	Total Mg 1 1	0
159	CR	1	Total Mg 1 1	0
159	CT	1	Total Mg 1 1	0
159	CV	1	Total Mg 1 1	0
159	CX	1	Total Mg 1 1	0
159	CZ	1	Total Mg 1 1	0
159	DB	1	Total Mg 1 1	0
159	DD	1	Total Mg 1 1	0
159	DF	1	Total Mg 1 1	0
159	DH	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	DJ	1	Total Mg 1 1	0
159	DL	1	Total Mg 1 1	0
159	DM	1	Total Mg 1 1	0
159	DO	1	Total Mg 1 1	0
159	DQ	1	Total Mg 1 1	0
159	DS	1	Total Mg 1 1	0
159	DU	1	Total Mg 1 1	0
159	DW	1	Total Mg 1 1	0
159	DY	1	Total Mg 1 1	0
159	EA	1	Total Mg 1 1	0
159	EC	1	Total Mg 1 1	0
159	EE	1	Total Mg 1 1	0
159	EG	1	Total Mg 1 1	0
159	EI	1	Total Mg 1 1	0
159	EK	1	Total Mg 1 1	0
159	EM	1	Total Mg 1 1	0
159	EO	1	Total Mg 1 1	0
159	EQ	1	Total Mg 1 1	0
159	ES	1	Total Mg 1 1	0
159	EU	1	Total Mg 1 1	0
159	EW	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	EZ	1	Total Mg 1 1	0
159	FA	1	Total Mg 1 1	0
159	FC	1	Total Mg 1 1	0
159	FE	1	Total Mg 1 1	0
159	FG	1	Total Mg 1 1	0
159	FI	1	Total Mg 1 1	0
159	FL	1	Total Mg 1 1	0
159	FM	1	Total Mg 1 1	0
159	FO	1	Total Mg 1 1	0
159	FQ	1	Total Mg 1 1	0
159	FS	1	Total Mg 1 1	0
159	FW	1	Total Mg 1 1	0
159	FY	1	Total Mg 1 1	0
159	GA	1	Total Mg 1 1	0
159	GC	1	Total Mg 1 1	0
159	GE	1	Total Mg 1 1	0
159	GG	1	Total Mg 1 1	0
159	GI	1	Total Mg 1 1	0
159	GK	1	Total Mg 1 1	0
159	GM	1	Total Mg 1 1	0
159	GO	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	GQ	1	Total Mg 1 1	0
159	GS	1	Total Mg 1 1	0
159	GU	1	Total Mg 1 1	0
159	GW	1	Total Mg 1 1	0
159	HA	1	Total Mg 1 1	0
159	HC	1	Total Mg 1 1	0
159	HE	1	Total Mg 1 1	0
159	HG	1	Total Mg 1 1	0
159	HI	1	Total Mg 1 1	0
159	HK	1	Total Mg 1 1	0
159	HM	1	Total Mg 1 1	0
159	HO	1	Total Mg 1 1	0
159	HQ	1	Total Mg 1 1	0
159	HS	1	Total Mg 1 1	0
159	HU	1	Total Mg 1 1	0
159	HW	1	Total Mg 1 1	0
159	HY	1	Total Mg 1 1	0
159	IA	1	Total Mg 1 1	0
159	IE	1	Total Mg 1 1	0
159	IG	1	Total Mg 1 1	0
159	II	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	IK	1	Total Mg 1 1	0
159	IM	1	Total Mg 1 1	0
159	IO	1	Total Mg 1 1	0
159	IQ	1	Total Mg 1 1	0
159	IS	1	Total Mg 1 1	0
159	IU	1	Total Mg 1 1	0
159	IW	1	Total Mg 1 1	0
159	IY	1	Total Mg 1 1	0
159	JA	1	Total Mg 1 1	0
159	JC	1	Total Mg 1 1	0
159	JE	1	Total Mg 1 1	0
159	JH	1	Total Mg 1 1	0
159	JJ	1	Total Mg 1 1	0
159	JL	1	Total Mg 1 1	0
159	JN	1	Total Mg 1 1	0
159	JP	1	Total Mg 1 1	0
159	JR	1	Total Mg 1 1	0
159	JT	1	Total Mg 1 1	0
159	JV	1	Total Mg 1 1	0
159	JX	1	Total Mg 1 1	0
159	JZ	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	KB	1	Total Mg 1 1	0
159	KD	1	Total Mg 1 1	0
159	KF	1	Total Mg 1 1	0
159	KH	1	Total Mg 1 1	0
159	KJ	1	Total Mg 1 1	0
159	KL	1	Total Mg 1 1	0
159	KN	1	Total Mg 1 1	0
159	KP	1	Total Mg 1 1	0
159	KR	1	Total Mg 1 1	0
159	KT	1	Total Mg 1 1	0
159	KV	1	Total Mg 1 1	0
159	KX	1	Total Mg 1 1	0
159	KZ	1	Total Mg 1 1	0
159	LB	1	Total Mg 1 1	0
159	LD	1	Total Mg 1 1	0
159	LF	1	Total Mg 1 1	0
159	LH	1	Total Mg 1 1	0
159	LJ	1	Total Mg 1 1	0
159	LL	1	Total Mg 1 1	0
159	LN	1	Total Mg 1 1	0
159	LP	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	LR	1	Total Mg 1 1	0
159	LT	1	Total Mg 1 1	0
159	LV	1	Total Mg 1 1	0
159	LX	1	Total Mg 1 1	0
159	LZ	1	Total Mg 1 1	0
159	MB	1	Total Mg 1 1	0
159	MD	1	Total Mg 1 1	0
159	MF	1	Total Mg 1 1	0
159	MH	1	Total Mg 1 1	0
159	MJ	1	Total Mg 1 1	0
159	ML	1	Total Mg 1 1	0
159	MN	1	Total Mg 1 1	0
159	MP	1	Total Mg 1 1	0
159	MR	1	Total Mg 1 1	0
159	MT	1	Total Mg 1 1	0
159	MV	1	Total Mg 1 1	0
159	MX	1	Total Mg 1 1	0
159	MZ	1	Total Mg 1 1	0
159	NB	1	Total Mg 1 1	0
159	ND	1	Total Mg 1 1	0
159	NF	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	NH	1	Total Mg 1 1	0
159	NJ	1	Total Mg 1 1	0
159	NL	1	Total Mg 1 1	0
159	NN	1	Total Mg 1 1	0
159	NP	1	Total Mg 1 1	0
159	NR	1	Total Mg 1 1	0
159	NT	1	Total Mg 1 1	0
159	NV	1	Total Mg 1 1	0
159	NX	1	Total Mg 1 1	0
159	NZ	1	Total Mg 1 1	0
159	OB	1	Total Mg 1 1	0
159	OD	1	Total Mg 1 1	0
159	OF	1	Total Mg 1 1	0
159	OH	1	Total Mg 1 1	0
159	OJ	1	Total Mg 1 1	0
159	OL	1	Total Mg 1 1	0
159	ON	1	Total Mg 1 1	0
159	OP	1	Total Mg 1 1	0
159	OR	1	Total Mg 1 1	0
159	OT	1	Total Mg 1 1	0
159	OV	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	OX	1	Total Mg 1 1	0
159	OZ	1	Total Mg 1 1	0
159	PC	1	Total Mg 1 1	0
159	PE	1	Total Mg 1 1	0
159	PG	1	Total Mg 1 1	0
159	PI	1	Total Mg 1 1	0
159	PK	1	Total Mg 1 1	0
159	PM	1	Total Mg 1 1	0
159	PO	1	Total Mg 1 1	0
159	PQ	1	Total Mg 1 1	0
159	PS	1	Total Mg 1 1	0
159	PU	1	Total Mg 1 1	0
159	PW	1	Total Mg 1 1	0
159	PY	1	Total Mg 1 1	0
159	QA	1	Total Mg 1 1	0
159	QC	1	Total Mg 1 1	0
159	QE	1	Total Mg 1 1	0
159	QG	1	Total Mg 1 1	0
159	QI	1	Total Mg 1 1	0
159	QK	1	Total Mg 1 1	0
159	QM	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	QO	1	Total Mg 1 1	0
159	QQ	1	Total Mg 1 1	0
159	QS	1	Total Mg 1 1	0
159	QU	1	Total Mg 1 1	0
159	QW	1	Total Mg 1 1	0
159	QY	1	Total Mg 1 1	0
159	RA	1	Total Mg 1 1	0
159	RC	1	Total Mg 1 1	0
159	RE	1	Total Mg 1 1	0
159	RG	1	Total Mg 1 1	0
159	RI	1	Total Mg 1 1	0
159	RK	1	Total Mg 1 1	0
159	RM	1	Total Mg 1 1	0
159	RO	1	Total Mg 1 1	0
159	RQ	1	Total Mg 1 1	0
159	RS	1	Total Mg 1 1	0
159	RU	1	Total Mg 1 1	0
159	RW	1	Total Mg 1 1	0
159	RY	1	Total Mg 1 1	0
159	SA	1	Total Mg 1 1	0
159	SC	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	SE	1	Total Mg 1 1	0
159	SG	1	Total Mg 1 1	0
159	SI	1	Total Mg 1 1	0
159	SK	1	Total Mg 1 1	0
159	SM	1	Total Mg 1 1	0
159	SO	1	Total Mg 1 1	0
159	SQ	1	Total Mg 1 1	0
159	SS	1	Total Mg 1 1	0
159	SU	1	Total Mg 1 1	0
159	SW	1	Total Mg 1 1	0
159	SY	1	Total Mg 1 1	0
159	TA	1	Total Mg 1 1	0
159	TC	1	Total Mg 1 1	0
159	TE	1	Total Mg 1 1	0
159	TG	1	Total Mg 1 1	0
159	TI	1	Total Mg 1 1	0
159	TK	1	Total Mg 1 1	0
159	TM	1	Total Mg 1 1	0
159	TO	1	Total Mg 1 1	0
159	TQ	1	Total Mg 1 1	0
159	TR	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	TT	1	Total Mg 1 1	0
159	TV	1	Total Mg 1 1	0
159	TX	1	Total Mg 1 1	0
159	TZ	1	Total Mg 1 1	0
159	UB	1	Total Mg 1 1	0
159	UD	1	Total Mg 1 1	0
159	UF	1	Total Mg 1 1	0
159	UH	1	Total Mg 1 1	0
159	UJ	1	Total Mg 1 1	0
159	UL	1	Total Mg 1 1	0
159	UN	1	Total Mg 1 1	0
159	UP	1	Total Mg 1 1	0
159	UR	1	Total Mg 1 1	0
159	UT	1	Total Mg 1 1	0
159	UW	1	Total Mg 1 1	0
159	UY	1	Total Mg 1 1	0
159	VA	1	Total Mg 1 1	0
159	VC	1	Total Mg 1 1	0
159	VE	1	Total Mg 1 1	0
159	VG	1	Total Mg 1 1	0
159	VI	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	VK	1	Total Mg 1 1	0
159	VM	1	Total Mg 1 1	0
159	VO	1	Total Mg 1 1	0
159	VQ	1	Total Mg 1 1	0
159	VS	1	Total Mg 1 1	0
159	VU	1	Total Mg 1 1	0
159	VW	1	Total Mg 1 1	0
159	VY	1	Total Mg 1 1	0
159	WA	1	Total Mg 1 1	0
159	WC	1	Total Mg 1 1	0
159	WE	1	Total Mg 1 1	0
159	WG	1	Total Mg 1 1	0
159	WI	1	Total Mg 1 1	0
159	WK	1	Total Mg 1 1	0
159	WM	1	Total Mg 1 1	0
159	WO	1	Total Mg 1 1	0
159	WQ	1	Total Mg 1 1	0
159	WS	1	Total Mg 1 1	0
159	WU	1	Total Mg 1 1	0
159	WW	1	Total Mg 1 1	0
159	WY	1	Total Mg 1 1	0

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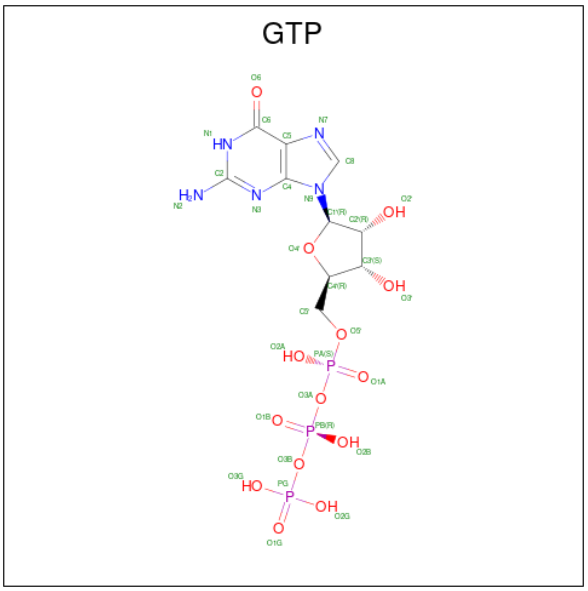
Mol	Chain	Residues	Atoms	AltConf
159	XA	1	Total Mg 1 1	0
159	XC	1	Total Mg 1 1	0
159	XE	1	Total Mg 1 1	0
159	XG	1	Total Mg 1 1	0
159	XI	1	Total Mg 1 1	0
159	XK	1	Total Mg 1 1	0
159	XM	1	Total Mg 1 1	0
159	XO	1	Total Mg 1 1	0
159	XQ	1	Total Mg 1 1	0
159	XS	1	Total Mg 1 1	0
159	XU	1	Total Mg 1 1	0
159	XW	1	Total Mg 1 1	0
159	XY	1	Total Mg 1 1	0
159	YA	1	Total Mg 1 1	0
159	YC	1	Total Mg 1 1	0
159	YE	1	Total Mg 1 1	0
159	YG	1	Total Mg 1 1	0
159	YJ	1	Total Mg 1 1	0
159	YL	1	Total Mg 1 1	0
159	YN	1	Total Mg 1 1	0
159	YP	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
159	YR	1	Total Mg 1 1	0
159	YT	1	Total Mg 1 1	0
159	YV	1	Total Mg 1 1	0
159	YX	1	Total Mg 1 1	0
159	YZ	1	Total Mg 1 1	0
159	ZB	1	Total Mg 1 1	0
159	ZD	1	Total Mg 1 1	0
159	ZF	1	Total Mg 1 1	0
159	ZH	1	Total Mg 1 1	0
159	ZJ	1	Total Mg 1 1	0
159	ZL	1	Total Mg 1 1	0
159	ZN	1	Total Mg 1 1	0
159	ZP	1	Total Mg 1 1	0
159	ZR	1	Total Mg 1 1	0
159	ZT	1	Total Mg 1 1	0
159	ZV	1	Total Mg 1 1	0
159	ZX	1	Total Mg 1 1	0
159	ZZ	1	Total Mg 1 1	0

- Molecule 160 is GUANOSINE-5'-TRIPHOSPHATE (CCD ID: GTP) (formula: $C_{10}H_{16}N_5O_{14}P_3$).



Mol	Chain	Residues	Atoms					AltConf
160	AB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	AZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Ab	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	Ad	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Af	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Ah	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Aj	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Al	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	An	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	Ap	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	BZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CB	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	CD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	CZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DQ	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	DS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	DY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ES	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	EY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FG	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	FI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	FY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	GW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HA	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	HC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	HY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	II	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IS	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	IU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	IY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	JZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KJ	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	KL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	KZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	LZ	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	MB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ML	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	MZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ND	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NP	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	NR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	NZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ON	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	OZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PG	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	PI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	PY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	QW	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	QY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	RY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SM	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	SO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	SY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	TZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UB	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	UD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	UY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VS	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	VU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	VY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WI	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	WY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XI	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	XK	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XM	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XO	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XS	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XU	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XW	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	XY	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YA	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YC	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YE	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YG	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	YZ	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
160	ZB	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZD	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZF	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZH	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZL	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZN	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZP	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZR	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZT	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZV	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZX	1	Total	C	N	O	P	0
			32	10	5	14	3	
160	ZZ	1	Total	C	N	O	P	0
			32	10	5	14	3	

MolProbity failed to run properly - this section is therefore empty.

3 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	244497	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING ONLY	Depositor
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	50	Depositor
Minimum defocus (nm)	1600	Depositor
Maximum defocus (nm)	2400	Depositor
Magnification	81000	Depositor
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor
Maximum map value	2.426	Depositor
Minimum map value	0.000	Depositor
Average map value	0.015	Depositor
Map value standard deviation	0.077	Depositor
Recommended contour level	0.15	Depositor
Map size (Å)	836.0, 946.0, 1320.0	wwPDB
Map dimensions	760, 860, 1200	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.1, 1.1, 1.1	Depositor

4 Model quality

4.1 Standard geometry

MolProbity failed to run properly - this section is therefore empty.

4.2 Too-close contacts

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles

4.3.1 Protein backbone

MolProbity failed to run properly - this section is therefore empty.

4.3.2 Protein sidechains

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA

MolProbity failed to run properly - this section is therefore empty.

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

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

4.5 Carbohydrates

There are no oligosaccharides in this entry.

4.6 Ligand geometry

Of 1125 ligands modelled in this entry, 412 are monoatomic - leaving 713 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	$\#\|Z\| > 2$
160	GTP	UT	501	159	33,34,34	0.70	0	50,54,54	0.96	4 (8%)
160	GTP	PY	602	159	33,34,34	0.67	0	50,54,54	0.94	4 (8%)
160	GTP	MV	502	159	33,34,34	0.71	0	50,54,54	0.96	4 (8%)
160	GTP	ZD	501	159	33,34,34	0.68	0	50,54,54	0.96	3 (6%)
158	GDP	CE	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	MP	501	159	33,34,34	0.72	0	50,54,54	0.95	4 (8%)
158	GDP	FZ	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.76	5 (11%)
158	GDP	ZS	501	-	29,30,30	0.82	0	45,47,47	0.86	0
160	GTP	WM	602	159	33,34,34	0.67	0	50,54,54	0.91	3 (6%)
160	GTP	FE	501	159	33,34,34	0.66	0	50,54,54	0.92	3 (6%)
160	GTP	LP	502	159	33,34,34	0.71	0	50,54,54	0.95	3 (6%)
160	GTP	XM	602	159	33,34,34	0.53	0	50,54,54	0.56	0
158	GDP	Ao	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
158	GDP	WP	501	-	29,30,30	0.51	0	45,47,47	0.87	2 (4%)
160	GTP	OH	501	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
158	GDP	UM	501	-	29,30,30	0.53	0	45,47,47	0.85	2 (4%)
158	GDP	WB	501	-	29,30,30	0.52	0	45,47,47	0.85	2 (4%)
160	GTP	QG	602	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
160	GTP	JL	501	159	33,34,34	0.93	2 (6%)	50,54,54	0.89	0
158	GDP	IZ	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
158	GDP	FN	501	-	29,30,30	0.49	0	45,47,47	0.88	2 (4%)
158	GDP	MW	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	Ap	501	159	33,34,34	0.67	0	50,54,54	0.97	3 (6%)
158	GDP	ZQ	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
158	GDP	EV	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
160	GTP	KF	602	159	33,34,34	0.67	0	50,54,54	0.93	3 (6%)
160	GTP	HK	501	159	33,34,34	0.65	0	50,54,54	0.95	3 (6%)
158	GDP	QD	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
160	GTP	ZR	602	159	33,34,34	0.68	0	50,54,54	0.97	4 (8%)
156	ATP	7e	4704	-	32,33,33	0.48	0	48,52,52	0.40	0
160	GTP	AL	602	159	33,34,34	0.69	0	50,54,54	0.99	4 (8%)
158	GDP	IJ	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)
158	GDP	HB	501	-	29,30,30	0.50	0	45,47,47	0.49	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	JE	501	159	33,34,34	0.70	0	50,54,54	0.96	4 (8%)
160	GTP	OT	602	159	33,34,34	0.65	0	50,54,54	0.97	3 (6%)
160	GTP	SE	501	159	33,34,34	0.72	0	50,54,54	0.96	3 (6%)
160	GTP	KX	501	159	33,34,34	0.74	0	50,54,54	0.95	3 (6%)
160	GTP	EA	501	159	33,34,34	0.66	0	50,54,54	0.93	3 (6%)
160	GTP	WC	501	159	33,34,34	0.64	0	50,54,54	0.93	3 (6%)
158	GDP	FH	501	-	29,30,30	1.20	3 (10%)	45,47,47	1.76	6 (13%)
158	GDP	RB	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
158	GDP	IP	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.75	6 (13%)
160	GTP	VY	501	159	33,34,34	0.67	0	50,54,54	0.93	3 (6%)
160	GTP	PU	602	159	33,34,34	0.71	0	50,54,54	0.92	3 (6%)
160	GTP	QI	602	159	33,34,34	0.88	2 (6%)	50,54,54	1.59	8 (16%)
160	GTP	SO	501	159	33,34,34	0.69	0	50,54,54	0.96	3 (6%)
160	GTP	LB	501	159	33,34,34	0.69	0	50,54,54	0.95	4 (8%)
158	GDP	RF	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
158	GDP	FV	501	-	29,30,30	1.19	3 (10%)	45,47,47	1.76	6 (13%)
160	GTP	MZ	602	159	33,34,34	0.69	0	50,54,54	0.96	4 (8%)
158	GDP	JB	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
160	GTP	Ab	501	159	33,34,34	0.67	0	50,54,54	0.98	4 (8%)
156	ATP	9f	4701	-	32,33,33	0.49	1 (3%)	48,52,52	0.29	0
158	GDP	MI	501	-	29,30,30	0.51	0	45,47,47	0.91	2 (4%)
160	GTP	TT	602	159	33,34,34	0.72	0	50,54,54	0.95	3 (6%)
158	GDP	MU	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
160	GTP	GA	602	159	33,34,34	0.90	0	50,54,54	1.56	9 (18%)
160	GTP	YC	501	159	33,34,34	0.71	0	50,54,54	0.98	4 (8%)
158	GDP	OC	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	ZG	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
158	GDP	JK	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	KK	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
160	GTP	DJ	501	159	33,34,34	0.67	0	50,54,54	0.97	3 (6%)
160	GTP	DS	602	159	33,34,34	0.88	0	50,54,54	1.55	8 (16%)
160	GTP	SU	501	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
160	GTP	SQ	602	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
158	GDP	OU	501	-	29,30,30	0.49	0	45,47,47	0.91	2 (4%)
158	GDP	UO	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	LZ	501	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
160	GTP	FS	602	159	33,34,34	0.67	0	50,54,54	0.97	3 (6%)
158	GDP	ZC	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
160	GTP	UL	602	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
160	GTP	GO	501	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
160	GTP	XG	602	159	33,34,34	0.71	0	50,54,54	0.96	4 (8%)
160	GTP	JX	501	159	33,34,34	0.85	0	50,54,54	1.55	8 (16%)
158	GDP	SL	501	-	29,30,30	0.51	0	45,47,47	0.95	2 (4%)
160	GTP	JV	501	159	33,34,34	0.87	1 (3%)	50,54,54	1.54	8 (16%)
158	GDP	VF	501	-	29,30,30	0.50	0	45,47,47	0.88	2 (4%)
160	GTP	MN	502	159	33,34,34	0.71	0	50,54,54	0.96	3 (6%)
158	GDP	NA	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
160	GTP	Ad	602	159	33,34,34	0.86	1 (3%)	50,54,54	1.59	8 (16%)
160	GTP	ZJ	501	159	33,34,34	0.69	0	50,54,54	0.93	3 (6%)
158	GDP	DZ	501	-	29,30,30	0.49	0	45,47,47	0.85	2 (4%)
158	GDP	BO	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.78	6 (13%)
158	GDP	NG	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	RD	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
158	GDP	ZE	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
158	GDP	FF	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
158	GDP	CW	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.73	6 (13%)
160	GTP	WI	602	159	33,34,34	0.66	0	50,54,54	0.88	3 (6%)
158	GDP	NE	501	-	29,30,30	0.54	0	45,47,47	0.89	2 (4%)
158	GDP	FJ	501	-	29,30,30	0.53	0	45,47,47	0.93	2 (4%)
158	GDP	NM	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
158	GDP	Aa	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
160	GTP	HW	501	159	33,34,34	0.65	0	50,54,54	0.95	3 (6%)
160	GTP	SS	602	159	33,34,34	0.90	2 (6%)	50,54,54	1.06	3 (6%)
158	GDP	BC	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.75	6 (13%)
160	GTP	BJ	602	159	33,34,34	0.68	0	50,54,54	0.96	4 (8%)
158	GDP	ER	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.69	6 (13%)
158	GDP	LG	501	-	29,30,30	0.54	0	45,47,47	0.93	2 (4%)
160	GTP	TO	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
160	GTP	FK	501	159	33,34,34	0.64	0	50,54,54	0.98	3 (6%)
158	GDP	CY	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	KM	501	-	29,30,30	0.56	0	45,47,47	0.99	2 (4%)
158	GDP	LM	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	TH	501	-	29,30,30	0.57	0	45,47,47	0.90	2 (4%)
160	GTP	ZP	501	159	33,34,34	0.68	0	50,54,54	0.98	3 (6%)
160	GTP	NR	502	159	33,34,34	0.71	0	50,54,54	0.95	4 (8%)
160	GTP	ON	501	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
158	GDP	XZ	501	-	29,30,30	0.53	0	45,47,47	0.87	2 (4%)
158	GDP	CK	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.72	6 (13%)
160	GTP	DW	602	159	33,34,34	0.87	0	50,54,54	1.56	8 (16%)
158	GDP	EJ	501	-	29,30,30	0.49	0	45,47,47	0.90	2 (4%)
160	GTP	TQ	602	159	33,34,34	0.68	0	50,54,54	0.99	3 (6%)
160	GTP	NV	503	159	33,34,34	0.67	0	50,54,54	0.95	3 (6%)
158	GDP	VD	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
158	GDP	AM	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
156	ATP	7f	4702	-	32,33,33	0.43	0	48,52,52	0.29	0
160	GTP	FO	602	159	33,34,34	0.65	0	50,54,54	0.96	3 (6%)
160	GTP	MD	502	159	33,34,34	0.72	0	50,54,54	0.95	3 (6%)
160	GTP	MX	502	159	33,34,34	0.68	0	50,54,54	0.97	3 (6%)
160	GTP	KL	602	159	33,34,34	0.73	0	50,54,54	0.98	3 (6%)
158	GDP	TS	501	-	29,30,30	0.52	0	45,47,47	0.96	2 (4%)
158	GDP	FD	501	-	29,30,30	0.50	0	45,47,47	0.85	2 (4%)
160	GTP	TE	501	159	33,34,34	0.66	0	50,54,54	0.98	3 (6%)
160	GTP	LH	501	159	33,34,34	0.68	0	50,54,54	0.97	3 (6%)
160	GTP	ZH	501	159	33,34,34	0.69	0	50,54,54	0.98	4 (8%)
160	GTP	BN	602	159	33,34,34	0.87	1 (3%)	50,54,54	1.60	8 (16%)
158	GDP	TD	501	-	29,30,30	0.49	0	45,47,47	0.93	2 (4%)
160	GTP	CR	501	159	33,34,34	0.67	0	50,54,54	0.94	3 (6%)
160	GTP	DD	501	159	33,34,34	0.68	0	50,54,54	0.92	3 (6%)
158	GDP	CS	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	RR	501	-	29,30,30	0.50	0	45,47,47	0.94	2 (4%)
158	GDP	NS	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	QV	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
160	GTP	BP	501	159	33,34,34	0.68	0	50,54,54	0.98	3 (6%)
160	GTP	VU	501	159	33,34,34	0.65	0	50,54,54	0.92	3 (6%)
160	GTP	ML	602	159	33,34,34	0.71	0	50,54,54	0.96	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	UR	501	159	33,34,34	0.73	0	50,54,54	0.95	3 (6%)
158	GDP	UZ	501	-	29,30,30	0.49	0	45,47,47	0.87	2 (4%)
160	GTP	CT	602	159	33,34,34	0.88	1 (3%)	50,54,54	1.57	8 (16%)
158	GDP	BM	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	CV	501	159	33,34,34	0.88	1 (3%)	50,54,54	1.58	8 (16%)
158	GDP	UC	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	EU	501	159	33,34,34	0.66	0	50,54,54	0.95	3 (6%)
160	GTP	PI	602	159	33,34,34	0.70	0	50,54,54	0.92	3 (6%)
158	GDP	OE	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	YX	602	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
160	GTP	AP	602	159	33,34,34	0.70	0	50,54,54	0.96	3 (6%)
158	GDP	WT	501	-	29,30,30	0.54	0	45,47,47	0.87	2 (4%)
158	GDP	MG	501	-	29,30,30	0.54	0	45,47,47	0.94	2 (4%)
160	GTP	FY	501	159	33,34,34	0.87	0	50,54,54	1.59	8 (16%)
160	GTP	AX	501	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
158	GDP	NY	501	-	29,30,30	0.50	0	45,47,47	0.94	2 (4%)
158	GDP	TF	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	UB	501	159	33,34,34	0.70	0	50,54,54	0.96	3 (6%)
156	ATP	8f	4702	-	32,33,33	0.46	0	48,52,52	0.35	0
160	GTP	AJ	501	159	33,34,34	0.68	0	50,54,54	0.96	3 (6%)
160	GTP	RW	501	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
160	GTP	EO	501	159	33,34,34	0.64	0	50,54,54	0.95	4 (8%)
158	GDP	JG	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.71	6 (13%)
158	GDP	PV	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
158	GDP	IH	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.74	6 (13%)
160	GTP	BL	501	159	33,34,34	0.67	0	50,54,54	0.98	4 (8%)
160	GTP	FQ	501	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
158	GDP	KC	501	-	29,30,30	0.50	0	45,47,47	0.86	2 (4%)
157	ADP	8e	4701	-	28,29,29	1.39	4 (14%)	43,45,45	1.81	8 (18%)
158	GDP	LW	501	-	29,30,30	0.51	0	45,47,47	0.91	2 (4%)
158	GDP	GV	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
158	GDP	QF	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	SG	501	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
158	GDP	HV	501	-	29,30,30	0.48	0	45,47,47	0.91	2 (4%)
160	GTP	GI	501	159	33,34,34	0.69	0	50,54,54	0.97	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	GM	501	159	33,34,34	0.71	0	50,54,54	0.97	3 (6%)
158	GDP	MQ	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.72	6 (13%)
156	ATP	8e	4703	-	32,33,33	0.40	0	48,52,52	0.32	0
160	GTP	LD	602	159	33,34,34	0.69	0	50,54,54	0.95	4 (8%)
158	GDP	WR	501	-	29,30,30	0.54	0	45,47,47	0.88	2 (4%)
160	GTP	EW	501	159	33,34,34	0.93	1 (3%)	50,54,54	0.97	2 (4%)
158	GDP	GR	501	-	29,30,30	0.52	0	45,47,47	0.94	2 (4%)
160	GTP	VS	501	159	33,34,34	0.66	0	50,54,54	0.90	3 (6%)
158	GDP	WL	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.69	6 (13%)
158	GDP	HN	501	-	29,30,30	0.50	0	45,47,47	0.49	0
160	GTP	PE	602	159	33,34,34	0.70	0	50,54,54	0.94	4 (8%)
158	GDP	ZW	501	-	29,30,30	0.53	0	45,47,47	0.94	2 (4%)
160	GTP	CN	602	159	33,34,34	0.70	0	50,54,54	0.96	3 (6%)
160	GTP	II	501	159	33,34,34	0.96	3 (9%)	50,54,54	0.95	2 (4%)
160	GTP	QQ	501	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
160	GTP	IQ	501	159	33,34,34	0.89	2 (6%)	50,54,54	1.57	9 (18%)
158	GDP	BW	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
158	GDP	WH	501	-	29,30,30	0.54	0	45,47,47	0.88	2 (4%)
158	GDP	XN	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
160	GTP	Aj	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	DE	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	LC	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
158	GDP	VN	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
160	GTP	WK	602	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
160	GTP	OX	602	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
158	GDP	BS	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	CI	501	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
160	GTP	NH	502	159	33,34,34	0.71	0	50,54,54	0.97	4 (8%)
160	GTP	KR	602	159	33,34,34	0.68	0	50,54,54	0.96	4 (8%)
160	GTP	JH	602	159	33,34,34	0.86	0	50,54,54	1.55	8 (16%)
160	GTP	NN	501	159	33,34,34	0.71	0	50,54,54	0.96	3 (6%)
158	GDP	CM	501	-	29,30,30	0.49	0	45,47,47	0.92	2 (4%)
158	GDP	OQ	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	LL	501	159	33,34,34	0.71	0	50,54,54	0.98	4 (8%)
156	ATP	9e	5004	-	32,33,33	0.50	1 (3%)	48,52,52	0.46	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	ZZ	501	159	33,34,34	0.68	0	50,54,54	0.97	3 (6%)
160	GTP	NP	501	159	33,34,34	0.71	0	50,54,54	0.95	4 (8%)
160	GTP	WG	501	159	33,34,34	1.01	2 (6%)	50,54,54	0.96	3 (6%)
158	GDP	ZI	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	VQ	501	159	33,34,34	0.66	0	50,54,54	0.92	3 (6%)
158	GDP	TW	501	-	29,30,30	0.52	0	45,47,47	0.94	2 (4%)
160	GTP	TA	602	159	33,34,34	0.69	0	50,54,54	0.97	3 (6%)
160	GTP	FM	501	159	33,34,34	0.66	0	50,54,54	0.96	4 (8%)
160	GTP	JA	501	159	33,34,34	0.71	0	50,54,54	0.99	4 (8%)
158	GDP	SZ	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
160	GTP	RC	501	159	33,34,34	0.71	0	50,54,54	0.96	4 (8%)
160	GTP	PO	602	159	33,34,34	0.72	0	50,54,54	0.92	3 (6%)
158	GDP	RT	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
160	GTP	OD	602	159	33,34,34	0.66	0	50,54,54	0.97	3 (6%)
160	GTP	FG	501	159	33,34,34	0.89	0	50,54,54	1.58	8 (16%)
158	GDP	XR	501	-	29,30,30	0.52	0	45,47,47	0.93	2 (4%)
158	GDP	TU	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
158	GDP	OW	501	-	29,30,30	0.49	0	45,47,47	0.93	2 (4%)
158	GDP	AG	501	-	29,30,30	0.82	0	45,47,47	0.83	1 (2%)
160	GTP	BV	602	159	33,34,34	0.67	0	50,54,54	0.95	4 (8%)
158	GDP	XV	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
158	GDP	UE	501	-	29,30,30	0.51	0	45,47,47	0.94	2 (4%)
160	GTP	GC	602	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
158	GDP	TJ	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
158	GDP	NI	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
160	GTP	IO	501	159	33,34,34	0.92	2 (6%)	50,54,54	0.96	2 (4%)
160	GTP	JR	602	159	33,34,34	0.87	0	50,54,54	1.56	8 (16%)
158	GDP	KW	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
160	GTP	RK	602	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
158	GDP	IB	501	-	29,30,30	0.51	0	45,47,47	0.94	2 (4%)
158	GDP	XF	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.74	6 (13%)
160	GTP	YE	602	159	33,34,34	0.71	0	50,54,54	0.97	4 (8%)
158	GDP	QT	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
160	GTP	ZF	602	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	BA	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	GF	501	-	29,30,30	0.49	0	45,47,47	0.95	2 (4%)
158	GDP	PL	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	XA	501	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
158	GDP	Ag	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
160	GTP	HY	501	159	33,34,34	0.68	0	50,54,54	1.00	4 (8%)
158	GDP	Am	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
158	GDP	Ai	501	-	29,30,30	0.53	0	45,47,47	0.94	2 (4%)
158	GDP	QR	501	-	29,30,30	0.53	0	45,47,47	0.86	2 (4%)
160	GTP	KB	501	159	33,34,34	0.66	0	50,54,54	0.94	3 (6%)
158	GDP	ZA	501	-	29,30,30	0.54	0	45,47,47	0.91	2 (4%)
160	GTP	RE	501	159	33,34,34	0.71	0	50,54,54	0.97	4 (8%)
160	GTP	XI	602	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
160	GTP	DL	501	159	33,34,34	0.70	0	50,54,54	0.94	3 (6%)
158	GDP	JY	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.72	6 (13%)
160	GTP	RG	501	159	33,34,34	0.69	0	50,54,54	0.96	4 (8%)
160	GTP	RM	501	159	33,34,34	0.72	0	50,54,54	0.98	3 (6%)
156	ATP	7a	4704	-	32,33,33	0.45	0	48,52,52	0.39	0
160	GTP	DB	501	159	33,34,34	0.70	0	50,54,54	0.92	3 (6%)
160	GTP	CL	501	159	33,34,34	0.87	1 (3%)	50,54,54	1.56	8 (16%)
158	GDP	XP	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
158	GDP	SP	501	-	29,30,30	0.54	0	45,47,47	0.89	2 (4%)
157	ADP	7e	4701	-	28,29,29	1.40	4 (14%)	43,45,45	1.83	8 (18%)
160	GTP	YJ	602	159	33,34,34	0.68	0	50,54,54	0.97	4 (8%)
158	GDP	XJ	501	-	29,30,30	0.79	0	45,47,47	0.83	0
160	GTP	PK	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
158	GDP	Ae	501	-	29,30,30	0.81	0	45,47,47	0.86	1 (2%)
156	ATP	8e	4704	-	32,33,33	0.50	1 (3%)	48,52,52	0.37	0
158	GDP	OM	501	-	29,30,30	0.50	0	45,47,47	0.88	2 (4%)
160	GTP	RU	501	159	33,34,34	0.70	0	50,54,54	0.96	3 (6%)
158	GDP	XB	501	-	29,30,30	0.49	0	45,47,47	0.88	2 (4%)
158	GDP	YQ	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
160	GTP	XW	602	159	33,34,34	0.74	0	50,54,54	0.95	4 (8%)
158	GDP	LY	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
160	GTP	VO	501	159	33,34,34	1.02	3 (9%)	50,54,54	0.92	3 (6%)
158	GDP	HL	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.75	5 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	PZ	501	-	29,30,30	0.55	0	45,47,47	0.91	2 (4%)
158	GDP	WJ	501	-	29,30,30	0.50	0	45,47,47	0.85	2 (4%)
160	GTP	ES	501	159	33,34,34	0.89	0	50,54,54	1.55	9 (18%)
157	ADP	9f	4702	-	28,29,29	1.38	5 (17%)	43,45,45	1.80	10 (23%)
158	GDP	HZ	501	-	29,30,30	0.49	0	45,47,47	0.49	0
158	GDP	AW	501	-	29,30,30	0.53	0	45,47,47	0.87	2 (4%)
160	GTP	EG	501	159	33,34,34	0.70	0	50,54,54	0.93	3 (6%)
160	GTP	DO	501	159	33,34,34	0.88	0	50,54,54	1.57	8 (16%)
160	GTP	EC	501	159	33,34,34	0.89	1 (3%)	50,54,54	1.59	8 (16%)
158	GDP	PF	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	EI	501	159	33,34,34	0.66	0	50,54,54	0.93	3 (6%)
158	GDP	PX	501	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
158	GDP	TN	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
158	GDP	KA	501	-	29,30,30	0.52	0	45,47,47	0.86	2 (4%)
158	GDP	VX	501	-	29,30,30	0.49	0	45,47,47	0.88	2 (4%)
158	GDP	ZY	501	-	29,30,30	0.52	0	45,47,47	0.94	2 (4%)
160	GTP	CF	501	159	33,34,34	0.68	0	50,54,54	0.96	4 (8%)
158	GDP	YY	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
160	GTP	EE	501	159	33,34,34	0.69	0	50,54,54	0.93	3 (6%)
158	GDP	KO	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
158	GDP	HF	501	-	29,30,30	0.53	0	45,47,47	0.94	2 (4%)
158	GDP	YM	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
160	GTP	BR	501	159	33,34,34	0.84	0	50,54,54	1.58	8 (16%)
160	GTP	FC	501	159	33,34,34	0.65	0	50,54,54	0.96	3 (6%)
160	GTP	UF	501	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
160	GTP	GS	602	159	33,34,34	0.70	0	50,54,54	0.99	4 (8%)
160	GTP	TX	602	159	33,34,34	0.96	3 (9%)	50,54,54	1.00	3 (6%)
160	GTP	JP	602	159	33,34,34	0.88	1 (3%)	50,54,54	1.54	9 (18%)
160	GTP	QU	602	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
160	GTP	OJ	602	159	33,34,34	0.68	0	50,54,54	0.98	3 (6%)
160	GTP	RY	602	159	33,34,34	0.70	0	50,54,54	0.98	3 (6%)
160	GTP	SC	602	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
160	GTP	YN	501	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
160	GTP	Af	501	159	33,34,34	0.68	0	50,54,54	0.99	4 (8%)
158	GDP	IV	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.74	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	JU	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	Al	602	159	33,34,34	0.69	0	50,54,54	0.96	3 (6%)
158	GDP	DN	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.69	6 (13%)
160	GTP	OL	602	159	33,34,34	0.70	0	50,54,54	0.94	3 (6%)
158	GDP	UX	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
158	GDP	LS	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
158	GDP	JD	501	-	29,30,30	0.51	0	45,47,47	0.87	2 (4%)
158	GDP	NU	501	-	29,30,30	0.53	0	45,47,47	0.87	2 (4%)
160	GTP	DF	501	159	33,34,34	0.67	0	50,54,54	0.96	4 (8%)
160	GTP	WE	602	159	33,34,34	0.90	0	50,54,54	1.52	8 (16%)
160	GTP	WW	501	159	33,34,34	0.66	0	50,54,54	0.93	3 (6%)
158	GDP	RL	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
158	GDP	DX	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	VC	501	159	33,34,34	1.07	3 (9%)	50,54,54	1.07	4 (8%)
160	GTP	OP	501	159	33,34,34	0.68	0	50,54,54	0.99	3 (6%)
158	GDP	DV	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	PH	501	-	29,30,30	0.53	0	45,47,47	0.85	2 (4%)
158	GDP	TP	501	-	29,30,30	0.51	0	45,47,47	0.96	2 (4%)
160	GTP	ZV	602	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
158	GDP	PR	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
160	GTP	OV	501	159	33,34,34	0.69	0	50,54,54	0.98	3 (6%)
160	GTP	MB	502	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
160	GTP	FW	602	159	33,34,34	0.89	0	50,54,54	1.60	8 (16%)
158	GDP	EB	501	-	29,30,30	1.15	4 (13%)	45,47,47	1.71	6 (13%)
160	GTP	EY	501	159	33,34,34	0.65	0	50,54,54	0.98	3 (6%)
160	GTP	NT	602	159	33,34,34	0.70	0	50,54,54	0.96	4 (8%)
158	GDP	RX	501	-	29,30,30	0.49	0	45,47,47	0.95	2 (4%)
160	GTP	IY	501	159	33,34,34	0.73	0	50,54,54	0.98	4 (8%)
160	GTP	WU	501	159	33,34,34	0.65	0	50,54,54	0.88	3 (6%)
158	GDP	IL	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	EZ	602	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
158	GDP	AQ	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
160	GTP	NZ	602	159	33,34,34	0.70	0	50,54,54	0.94	3 (6%)
158	GDP	BK	501	-	29,30,30	0.49	0	45,47,47	0.88	2 (4%)
160	GTP	IS	501	159	33,34,34	0.68	0	50,54,54	0.97	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	AI	501	-	29,30,30	0.52	0	45,47,47	0.93	2 (4%)
158	GDP	LU	501	-	29,30,30	0.54	0	45,47,47	0.93	2 (4%)
160	GTP	UN	602	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
158	GDP	NC	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
156	ATP	9e	5001	-	32,33,33	0.49	0	48,52,52	0.35	0
160	GTP	KV	602	159	33,34,34	0.70	0	50,54,54	0.94	3 (6%)
160	GTP	HI	602	159	33,34,34	0.69	0	50,54,54	0.93	3 (6%)
160	GTP	IK	602	159	33,34,34	0.88	1 (3%)	50,54,54	1.60	8 (16%)
160	GTP	QY	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	YS	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
160	GTP	HM	602	159	33,34,34	0.68	0	50,54,54	0.99	4 (8%)
160	GTP	NB	501	159	33,34,34	0.72	0	50,54,54	0.95	3 (6%)
158	GDP	XD	501	-	29,30,30	0.55	0	45,47,47	0.89	2 (4%)
160	GTP	BZ	501	159	33,34,34	0.71	0	50,54,54	0.97	4 (8%)
160	GTP	TC	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
160	GTP	HG	501	159	33,34,34	0.68	0	50,54,54	0.98	3 (6%)
160	GTP	ZN	602	159	33,34,34	0.69	0	50,54,54	0.97	3 (6%)
160	GTP	GU	602	159	33,34,34	0.71	0	50,54,54	0.98	3 (6%)
156	ATP	7e	4702	-	32,33,33	0.42	0	48,52,52	0.31	0
156	ATP	9e	5003	-	32,33,33	0.45	0	48,52,52	0.31	0
158	GDP	YF	501	-	29,30,30	0.54	0	45,47,47	0.91	2 (4%)
158	GDP	YU	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
160	GTP	An	602	159	33,34,34	0.67	0	50,54,54	0.98	4 (8%)
158	GDP	DC	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	GK	602	159	33,34,34	0.69	0	50,54,54	0.96	3 (6%)
158	GDP	EX	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
160	GTP	ZB	501	159	33,34,34	0.71	0	50,54,54	0.93	4 (8%)
160	GTP	DU	501	159	33,34,34	0.87	0	50,54,54	1.55	8 (16%)
158	GDP	CQ	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	AT	501	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
160	GTP	ZX	501	159	33,34,34	0.69	0	50,54,54	0.96	4 (8%)
158	GDP	VZ	501	-	29,30,30	0.50	0	45,47,47	0.88	2 (4%)
158	GDP	VJ	501	-	29,30,30	0.52	0	45,47,47	0.88	2 (4%)
158	GDP	QH	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
160	GTP	ZT	602	159	33,34,34	0.68	0	50,54,54	0.98	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	CD	602	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
158	GDP	XT	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
158	GDP	VL	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
160	GTP	MT	501	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
158	GDP	AS	501	-	29,30,30	0.84	0	45,47,47	0.86	1 (2%)
160	GTP	IM	602	159	33,34,34	0.72	0	50,54,54	0.98	4 (8%)
160	GTP	KZ	602	159	33,34,34	0.89	1 (3%)	50,54,54	1.57	8 (16%)
160	GTP	BX	602	159	33,34,34	0.67	0	50,54,54	0.97	4 (8%)
158	GDP	PP	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
158	GDP	OY	501	-	29,30,30	0.50	0	45,47,47	0.88	2 (4%)
160	GTP	ZL	602	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
158	GDP	PT	501	-	29,30,30	0.54	0	45,47,47	0.84	2 (4%)
158	GDP	RH	501	-	29,30,30	0.55	0	45,47,47	0.90	2 (4%)
160	GTP	XU	501	159	33,34,34	0.70	0	50,54,54	0.96	4 (8%)
158	GDP	AK	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	NL	602	159	33,34,34	0.69	0	50,54,54	0.96	4 (8%)
158	GDP	MA	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	JC	501	159	33,34,34	0.68	0	50,54,54	0.96	4 (8%)
158	GDP	NQ	501	-	29,30,30	0.54	0	45,47,47	0.89	2 (4%)
158	GDP	US	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	CZ	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
158	GDP	DR	501	-	29,30,30	0.52	0	45,47,47	0.93	2 (4%)
158	GDP	YD	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
160	GTP	JZ	501	159	33,34,34	0.68	0	50,54,54	0.93	3 (6%)
160	GTP	MH	501	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
158	GDP	ME	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
158	GDP	HR	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
158	GDP	YW	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	NX	501	159	33,34,34	0.67	0	50,54,54	0.99	3 (6%)
158	GDP	PD	501	-	29,30,30	0.52	0	45,47,47	0.88	2 (4%)
160	GTP	XQ	501	159	33,34,34	0.70	0	50,54,54	0.98	4 (8%)
158	GDP	BI	501	-	29,30,30	0.53	0	45,47,47	0.87	2 (4%)
160	GTP	DH	501	159	33,34,34	0.66	0	50,54,54	0.95	3 (6%)
158	GDP	GX	501	-	29,30,30	0.54	0	45,47,47	0.93	2 (4%)
158	GDP	WV	501	-	29,30,30	0.51	0	45,47,47	0.85	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	Ak	501	-	29,30,30	0.52	0	45,47,47	0.96	2 (4%)
157	ADP	9e	5002	-	28,29,29	1.39	4 (14%)	43,45,45	1.81	8 (18%)
158	GDP	SD	501	-	29,30,30	0.50	0	45,47,47	0.95	2 (4%)
160	GTP	EM	501	159	33,34,34	0.67	0	50,54,54	0.94	3 (6%)
160	GTP	GE	602	159	33,34,34	0.65	0	50,54,54	0.97	3 (6%)
160	GTP	RQ	501	159	33,34,34	0.70	0	50,54,54	0.96	3 (6%)
156	ATP	9f	4704	-	32,33,33	0.38	0	48,52,52	0.36	0
158	GDP	MC	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
158	GDP	SJ	501	-	29,30,30	0.50	0	45,47,47	0.94	2 (4%)
158	GDP	VB	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	VG	501	159	33,34,34	0.67	0	50,54,54	0.92	3 (6%)
160	GTP	XC	602	159	33,34,34	0.71	0	50,54,54	0.90	3 (6%)
158	GDP	HD	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.78	7 (15%)
158	GDP	KS	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
160	GTP	KD	501	159	33,34,34	0.68	0	50,54,54	0.94	4 (8%)
160	GTP	PQ	501	159	33,34,34	0.70	0	50,54,54	0.96	4 (8%)
158	GDP	FT	501	-	29,30,30	0.51	0	45,47,47	0.93	2 (4%)
158	GDP	GH	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
160	GTP	QA	602	159	33,34,34	0.73	0	50,54,54	0.92	3 (6%)
160	GTP	YL	602	159	33,34,34	0.69	0	50,54,54	0.93	3 (6%)
160	GTP	HQ	602	159	33,34,34	0.70	0	50,54,54	0.99	4 (8%)
160	GTP	ND	501	159	33,34,34	0.72	0	50,54,54	0.96	3 (6%)
156	ATP	7a	4702	-	32,33,33	0.48	0	48,52,52	0.47	0
158	GDP	KY	501	-	29,30,30	0.57	0	45,47,47	0.94	2 (4%)
158	GDP	QN	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
160	GTP	RO	602	159	33,34,34	0.67	0	50,54,54	0.97	4 (8%)
158	GDP	AU	501	-	29,30,30	0.53	0	45,47,47	0.93	2 (4%)
160	GTP	QW	501	159	33,34,34	0.71	0	50,54,54	0.98	4 (8%)
157	ADP	7b	4704	-	28,29,29	1.38	5 (17%)	43,45,45	1.80	10 (23%)
158	GDP	JM	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	ID	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.76	6 (13%)
158	GDP	RJ	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
160	GTP	AF	501	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
158	GDP	RP	501	-	29,30,30	0.50	0	45,47,47	0.94	2 (4%)
160	GTP	MJ	602	159	33,34,34	0.73	0	50,54,54	0.96	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	AY	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
158	GDP	YO	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
160	GTP	YR	501	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
158	GDP	GD	501	-	29,30,30	0.52	0	45,47,47	0.93	2 (4%)
160	GTP	XE	501	159	33,34,34	0.89	2 (6%)	50,54,54	1.59	8 (16%)
160	GTP	PG	501	159	33,34,34	0.70	0	50,54,54	0.93	3 (6%)
160	GTP	LN	501	159	33,34,34	0.69	0	50,54,54	0.95	4 (8%)
160	GTP	VM	602	159	33,34,34	0.67	0	50,54,54	0.92	3 (6%)
160	GTP	AZ	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	OS	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
156	ATP	7b	4701	-	32,33,33	0.39	0	48,52,52	0.30	0
158	GDP	SV	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
160	GTP	LV	502	159	33,34,34	0.67	0	50,54,54	0.96	4 (8%)
158	GDP	LE	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
160	GTP	AV	501	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
160	GTP	CP	602	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
160	GTP	GW	501	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
160	GTP	YP	602	159	33,34,34	0.70	0	50,54,54	0.91	3 (6%)
160	GTP	AD	501	159	33,34,34	0.88	1 (3%)	50,54,54	1.57	8 (16%)
158	GDP	IT	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	ZM	501	-	29,30,30	0.52	0	45,47,47	0.97	2 (4%)
158	GDP	CA	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
160	GTP	XO	602	159	33,34,34	0.88	1 (3%)	50,54,54	1.59	8 (16%)
158	GDP	JQ	501	-	29,30,30	0.51	0	45,47,47	0.85	2 (4%)
160	GTP	QM	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	RZ	501	-	29,30,30	0.50	0	45,47,47	0.97	2 (4%)
158	GDP	UG	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
158	GDP	WZ	501	-	29,30,30	0.52	0	45,47,47	0.86	2 (4%)
158	GDP	JW	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	XL	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
156	ATP	7b	4702	-	32,33,33	0.39	0	48,52,52	0.29	0
158	GDP	MY	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)
160	GTP	YZ	602	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
158	GDP	ET	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.73	6 (13%)
160	GTP	UD	501	159	33,34,34	0.67	0	50,54,54	0.99	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	CB	501	159	33,34,34	0.67	0	50,54,54	0.96	4 (8%)
160	GTP	VW	501	159	33,34,34	0.68	0	50,54,54	0.91	3 (6%)
158	GDP	VH	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
160	GTP	MR	602	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
158	GDP	KU	501	-	29,30,30	0.55	0	45,47,47	0.91	2 (4%)
160	GTP	WO	501	159	33,34,34	0.65	0	50,54,54	0.92	3 (6%)
160	GTP	XY	501	159	33,34,34	0.54	0	50,54,54	0.56	0
158	GDP	KG	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	SW	501	159	33,34,34	0.67	0	50,54,54	0.94	3 (6%)
158	GDP	MO	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
160	GTP	UJ	501	159	33,34,34	1.07	3 (9%)	50,54,54	0.95	3 (6%)
160	GTP	AR	602	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
160	GTP	BD	602	159	33,34,34	0.69	0	50,54,54	0.96	4 (8%)
160	GTP	SA	501	159	33,34,34	1.01	2 (6%)	50,54,54	1.04	4 (8%)
160	GTP	WS	501	159	33,34,34	0.95	2 (6%)	50,54,54	0.94	2 (4%)
158	GDP	OO	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
158	GDP	KQ	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
160	GTP	EK	602	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
156	ATP	7f	4704	-	32,33,33	0.41	0	48,52,52	0.30	0
160	GTP	JT	501	159	33,34,34	0.66	0	50,54,54	0.94	3 (6%)
160	GTP	QO	602	159	33,34,34	0.68	0	50,54,54	0.96	4 (8%)
158	GDP	ZK	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
160	GTP	RA	602	159	33,34,34	0.67	0	50,54,54	0.97	4 (8%)
160	GTP	IA	501	159	33,34,34	0.72	0	50,54,54	0.97	3 (6%)
160	GTP	EQ	602	159	33,34,34	0.65	0	50,54,54	0.96	3 (6%)
160	GTP	XK	501	159	33,34,34	0.68	0	50,54,54	0.96	3 (6%)
158	GDP	IF	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.71	6 (13%)
158	GDP	VP	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	EH	501	-	29,30,30	0.48	0	45,47,47	0.89	2 (4%)
156	ATP	7e	4703	-	32,33,33	0.48	0	48,52,52	0.47	0
158	GDP	GB	501	-	29,30,30	0.50	0	45,47,47	0.92	2 (4%)
158	GDP	HP	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	GT	501	-	29,30,30	0.53	0	45,47,47	0.94	2 (4%)
160	GTP	TK	501	159	33,34,34	0.70	0	50,54,54	0.98	4 (8%)
158	GDP	CH	501	-	29,30,30	0.54	0	45,47,47	0.86	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	UK	501	-	29,30,30	0.55	0	45,47,47	0.91	2 (4%)
158	GDP	EL	501	-	29,30,30	0.48	0	45,47,47	0.86	2 (4%)
158	GDP	WN	501	-	29,30,30	0.52	0	45,47,47	0.86	2 (4%)
157	ADP	7a	4703	-	28,29,29	1.38	4 (14%)	43,45,45	1.81	8 (18%)
160	GTP	YA	602	159	33,34,34	0.73	0	50,54,54	0.96	4 (8%)
160	GTP	QK	602	159	33,34,34	0.71	0	50,54,54	0.97	4 (8%)
160	GTP	WQ	602	159	33,34,34	0.69	0	50,54,54	0.89	3 (6%)
158	GDP	IN	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.72	6 (13%)
160	GTP	SI	501	159	33,34,34	0.70	0	50,54,54	0.94	3 (6%)
158	GDP	QX	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
158	GDP	DA	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
158	GDP	SN	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
158	GDP	GZ	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.75	6 (13%)
160	GTP	QE	501	159	33,34,34	0.69	0	50,54,54	0.93	3 (6%)
158	GDP	IR	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
158	GDP	DT	501	-	29,30,30	1.15	3 (10%)	45,47,47	1.69	6 (13%)
160	GTP	OB	501	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
160	GTP	HC	602	159	33,34,34	0.89	1 (3%)	50,54,54	1.60	8 (16%)
158	GDP	PN	501	-	29,30,30	0.54	0	45,47,47	0.92	2 (4%)
158	GDP	QZ	501	-	29,30,30	0.51	0	45,47,47	0.87	2 (4%)
160	GTP	TG	501	159	33,34,34	0.66	0	50,54,54	0.95	3 (6%)
158	GDP	FP	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
158	GDP	FR	501	-	29,30,30	0.50	0	45,47,47	0.86	2 (4%)
160	GTP	VK	501	159	33,34,34	0.67	0	50,54,54	0.90	3 (6%)
160	GTP	SK	602	159	33,34,34	0.73	0	50,54,54	0.98	3 (6%)
158	GDP	HH	501	-	29,30,30	0.49	0	45,47,47	0.91	2 (4%)
158	GDP	DG	501	-	29,30,30	0.49	0	45,47,47	0.90	2 (4%)
158	GDP	WF	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.75	6 (13%)
160	GTP	VA	501	159	33,34,34	0.66	0	50,54,54	0.92	3 (6%)
158	GDP	BU	501	-	29,30,30	1.18	3 (10%)	45,47,47	1.75	7 (15%)
158	GDP	CU	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.74	6 (13%)
158	GDP	UQ	501	-	29,30,30	0.52	0	45,47,47	0.95	2 (4%)
156	ATP	8f	4704	-	32,33,33	0.53	1 (3%)	48,52,52	0.29	0
160	GTP	OR	602	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
160	GTP	QS	501	159	33,34,34	0.71	0	50,54,54	0.96	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	QJ	501	-	29,30,30	0.55	0	45,47,47	0.89	2 (4%)
158	GDP	Ac	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
160	GTP	KJ	602	159	33,34,34	0.67	0	50,54,54	0.92	3 (6%)
158	GDP	YH	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	KT	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
160	GTP	JJ	501	159	33,34,34	0.86	0	50,54,54	1.53	8 (16%)
160	GTP	OF	501	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
160	GTP	RI	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
158	GDP	UU	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	GP	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	PW	501	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
158	GDP	FX	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.72	5 (11%)
158	GDP	WD	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.71	6 (13%)
158	GDP	YK	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
158	GDP	SF	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
160	GTP	YT	602	159	33,34,34	0.69	0	50,54,54	0.96	3 (6%)
160	GTP	GG	501	159	33,34,34	0.70	0	50,54,54	0.99	4 (8%)
158	GDP	XH	501	-	29,30,30	0.54	0	45,47,47	0.89	2 (4%)
158	GDP	TL	501	-	29,30,30	0.54	0	45,47,47	0.91	2 (4%)
160	GTP	KP	602	159	33,34,34	0.68	0	50,54,54	0.95	4 (8%)
158	GDP	UA	501	-	29,30,30	0.51	0	45,47,47	0.87	2 (4%)
160	GTP	BT	602	159	33,34,34	0.67	0	50,54,54	0.96	4 (8%)
158	GDP	ZU	501	-	29,30,30	0.54	0	45,47,47	0.91	2 (4%)
160	GTP	BH	602	159	33,34,34	0.89	1 (3%)	50,54,54	1.58	8 (16%)
160	GTP	NF	502	159	33,34,34	0.68	0	50,54,54	0.95	4 (8%)
158	GDP	NK	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)
158	GDP	BY	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
160	GTP	TR	501	159	33,34,34	0.67	0	50,54,54	0.99	4 (8%)
158	GDP	HX	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
158	GDP	SB	501	-	29,30,30	0.49	0	45,47,47	0.96	2 (4%)
158	GDP	HT	501	-	29,30,30	0.49	0	45,47,47	0.93	2 (4%)
158	GDP	SR	501	-	29,30,30	0.50	0	45,47,47	0.95	2 (4%)
160	GTP	SM	501	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
158	GDP	SH	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	AA	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
160	GTP	HO	501	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
158	GDP	UI	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	HU	602	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
160	GTP	FI	602	159	33,34,34	0.90	1 (3%)	50,54,54	1.59	8 (16%)
156	ATP	8e	4702	-	32,33,33	0.43	0	48,52,52	0.45	0
158	GDP	CC	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
160	GTP	XS	501	159	33,34,34	0.88	1 (3%)	50,54,54	1.59	8 (16%)
160	GTP	HE	602	159	33,34,34	0.90	1 (3%)	50,54,54	1.59	9 (18%)
160	GTP	VE	501	159	33,34,34	0.67	0	50,54,54	0.92	3 (6%)
160	GTP	TV	501	159	33,34,34	0.69	0	50,54,54	0.97	4 (8%)
160	GTP	TZ	602	159	33,34,34	0.71	0	50,54,54	0.96	4 (8%)
158	GDP	LI	501	-	29,30,30	0.50	0	45,47,47	0.93	2 (4%)
158	GDP	SX	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
160	GTP	BF	602	159	33,34,34	0.84	0	50,54,54	1.58	8 (16%)
158	GDP	DI	501	-	29,30,30	0.48	0	45,47,47	0.89	2 (4%)
160	GTP	DM	501	159	33,34,34	0.64	0	50,54,54	0.93	3 (6%)
160	GTP	DY	501	159	33,34,34	0.64	0	50,54,54	0.93	3 (6%)
158	GDP	WX	501	-	29,30,30	1.14	3 (10%)	45,47,47	1.69	6 (13%)
160	GTP	HA	501	159	33,34,34	0.88	2 (6%)	50,54,54	1.64	8 (16%)
158	GDP	YB	501	-	29,30,30	0.54	0	45,47,47	0.90	2 (4%)
160	GTP	OZ	501	159	33,34,34	0.71	0	50,54,54	0.97	3 (6%)
160	GTP	IG	501	159	33,34,34	0.87	1 (3%)	50,54,54	1.57	8 (16%)
158	GDP	HJ	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
158	GDP	MK	501	-	29,30,30	0.51	0	45,47,47	0.91	2 (4%)
160	GTP	KN	602	159	33,34,34	0.70	0	50,54,54	0.99	4 (8%)
158	GDP	EF	501	-	29,30,30	0.49	0	45,47,47	0.86	2 (4%)
158	GDP	DK	501	-	29,30,30	0.49	0	45,47,47	0.92	2 (4%)
158	GDP	FL	602	-	29,30,30	0.51	0	45,47,47	0.88	2 (4%)
158	GDP	OI	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
160	GTP	BB	501	159	33,34,34	0.68	0	50,54,54	0.94	3 (6%)
160	GTP	LR	501	159	33,34,34	0.72	0	50,54,54	0.94	3 (6%)
160	GTP	PM	602	159	33,34,34	0.67	0	50,54,54	0.94	4 (8%)
160	GTP	TI	501	159	33,34,34	0.69	0	50,54,54	0.94	3 (6%)
156	ATP	7a	4701	-	32,33,33	0.45	0	48,52,52	0.32	0
160	GTP	WA	602	159	33,34,34	0.87	0	50,54,54	1.56	8 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	JO	501	-	29,30,30	0.52	0	45,47,47	0.87	2 (4%)
160	GTP	LF	602	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
160	GTP	UH	501	159	33,34,34	0.70	0	50,54,54	0.97	4 (8%)
156	ATP	8f	4703	-	32,33,33	0.74	1 (3%)	48,52,52	0.33	0
160	GTP	VI	501	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
160	GTP	AH	501	159	33,34,34	0.68	0	50,54,54	0.95	3 (6%)
158	GDP	BG	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	GL	501	-	29,30,30	0.53	0	45,47,47	0.94	2 (4%)
160	GTP	UP	501	159	33,34,34	0.67	0	50,54,54	0.98	3 (6%)
158	GDP	OA	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
160	GTP	WY	602	159	33,34,34	0.66	0	50,54,54	0.92	3 (6%)
158	GDP	DP	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
158	GDP	RV	501	-	29,30,30	0.50	0	45,47,47	0.91	2 (4%)
160	GTP	YV	602	159	33,34,34	0.69	0	50,54,54	0.98	4 (8%)
158	GDP	QB	501	-	29,30,30	0.53	0	45,47,47	0.89	2 (4%)
158	GDP	ST	501	-	29,30,30	0.53	0	45,47,47	0.92	2 (4%)
160	GTP	MF	602	159	33,34,34	0.70	0	50,54,54	0.97	3 (6%)
156	ATP	7f	4703	-	32,33,33	0.43	0	48,52,52	0.32	0
160	GTP	UW	602	159	33,34,34	0.65	0	50,54,54	0.93	3 (6%)
156	ATP	9f	4703	-	32,33,33	0.42	0	48,52,52	0.30	0
160	GTP	GQ	602	159	33,34,34	0.64	0	50,54,54	0.97	3 (6%)
158	GDP	AO	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.74	6 (13%)
158	GDP	CO	501	-	29,30,30	0.51	0	45,47,47	0.91	2 (4%)
158	GDP	GJ	501	-	29,30,30	0.52	0	45,47,47	0.91	2 (4%)
158	GDP	OK	501	-	29,30,30	0.51	0	45,47,47	0.92	2 (4%)
158	GDP	MM	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	RS	501	159	33,34,34	0.71	0	50,54,54	0.96	3 (6%)
158	GDP	JS	501	-	29,30,30	1.17	3 (10%)	45,47,47	1.72	6 (13%)
158	GDP	JI	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.71	6 (13%)
158	GDP	EN	501	-	29,30,30	0.50	0	45,47,47	0.87	2 (4%)
158	GDP	ZO	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)
160	GTP	DQ	501	159	33,34,34	0.66	0	50,54,54	0.95	4 (8%)
156	ATP	7b	4703	-	32,33,33	0.42	0	48,52,52	0.28	0
158	GDP	PA	501	-	29,30,30	0.52	0	45,47,47	0.92	2 (4%)
160	GTP	IW	501	159	33,34,34	0.70	0	50,54,54	0.99	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
158	GDP	NO	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	PC	602	159	33,34,34	0.90	0	50,54,54	1.58	8 (16%)
160	GTP	FA	602	159	33,34,34	0.66	0	50,54,54	0.96	4 (8%)
160	GTP	CJ	501	159	33,34,34	0.67	0	50,54,54	0.95	3 (6%)
160	GTP	LJ	501	159	33,34,34	0.73	0	50,54,54	0.98	3 (6%)
160	GTP	IU	501	159	33,34,34	0.89	2 (6%)	50,54,54	1.60	8 (16%)
160	GTP	HS	501	159	33,34,34	0.68	0	50,54,54	0.97	3 (6%)
158	GDP	LA	501	-	29,30,30	0.52	0	45,47,47	0.87	2 (4%)
158	GDP	IX	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
158	GDP	VR	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
158	GDP	XX	501	-	29,30,30	0.46	0	45,47,47	0.92	2 (4%)
158	GDP	LQ	501	-	29,30,30	0.52	0	45,47,47	0.89	2 (4%)
158	GDP	AE	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
160	GTP	IE	501	159	33,34,34	0.88	2 (6%)	50,54,54	1.60	8 (16%)
158	GDP	TY	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	NJ	503	159	33,34,34	0.67	0	50,54,54	0.96	3 (6%)
160	GTP	UY	602	159	33,34,34	0.68	0	50,54,54	0.91	3 (6%)
160	GTP	AN	501	159	33,34,34	0.70	0	50,54,54	0.98	3 (6%)
158	GDP	KE	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
160	GTP	Ah	501	159	33,34,34	0.69	0	50,54,54	0.95	3 (6%)
157	ADP	7f	4701	-	28,29,29	1.38	5 (17%)	43,45,45	1.79	10 (23%)
160	GTP	SY	602	159	33,34,34	0.70	0	50,54,54	0.98	3 (6%)
158	GDP	LO	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	CX	602	159	33,34,34	0.86	1 (3%)	50,54,54	1.55	8 (16%)
158	GDP	KI	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
160	GTP	TM	501	159	33,34,34	0.70	0	50,54,54	0.95	3 (6%)
158	GDP	OG	501	-	29,30,30	0.51	0	45,47,47	0.90	2 (4%)
158	GDP	AC	501	-	29,30,30	1.16	3 (10%)	45,47,47	1.75	6 (13%)
160	GTP	QC	501	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
158	GDP	JF	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
158	GDP	ED	501	-	29,30,30	1.25	3 (10%)	45,47,47	1.73	6 (13%)
158	GDP	VT	501	-	29,30,30	0.50	0	45,47,47	0.89	2 (4%)
158	GDP	BQ	501	-	29,30,30	0.53	0	45,47,47	0.90	2 (4%)
160	GTP	JN	501	159	33,34,34	0.68	0	50,54,54	0.92	3 (6%)
158	GDP	RN	501	-	29,30,30	0.52	0	45,47,47	0.95	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
157	ADP	8f	4701	-	28,29,29	1.38	5 (17%)	43,45,45	1.79	9 (20%)
158	GDP	PJ	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
158	GDP	QL	501	-	29,30,30	0.53	0	45,47,47	0.91	2 (4%)
158	GDP	TB	501	-	29,30,30	0.52	0	45,47,47	0.90	2 (4%)
160	GTP	LX	501	159	33,34,34	0.71	0	50,54,54	0.96	3 (6%)
160	GTP	YG	602	159	33,34,34	0.70	0	50,54,54	0.95	4 (8%)
158	GDP	VV	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)
158	GDP	LK	501	-	29,30,30	0.54	0	45,47,47	0.98	2 (4%)
160	GTP	LT	602	159	33,34,34	0.69	0	50,54,54	0.97	3 (6%)
160	GTP	KH	501	159	33,34,34	0.68	0	50,54,54	0.92	3 (6%)
158	GDP	QP	501	-	29,30,30	0.53	0	45,47,47	0.88	2 (4%)
160	GTP	PS	501	159	33,34,34	0.70	0	50,54,54	0.92	3 (6%)
160	GTP	AB	602	159	33,34,34	0.88	1 (3%)	50,54,54	1.60	8 (16%)
158	GDP	GN	501	-	29,30,30	0.50	0	45,47,47	0.90	2 (4%)
158	GDP	FB	501	-	29,30,30	0.51	0	45,47,47	0.89	2 (4%)

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
160	GTP	UT	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PY	602	159	-	5/22/38/38	0/3/3/3
160	GTP	MV	502	159	-	5/22/38/38	0/3/3/3
160	GTP	ZD	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MP	501	159	-	5/22/38/38	0/3/3/3
158	GDP	FZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZS	501	-	-	4/16/32/32	0/3/3/3
160	GTP	WM	602	159	-	5/22/38/38	0/3/3/3
160	GTP	FE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LP	502	159	-	5/22/38/38	0/3/3/3
160	GTP	XM	602	159	-	5/22/38/38	0/3/3/3
158	GDP	Ao	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WP	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	OH	501	159	-	5/22/38/38	0/3/3/3
158	GDP	UM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QG	602	159	-	5/22/38/38	0/3/3/3
160	GTP	JL	501	159	-	6/22/38/38	0/3/3/3
158	GDP	IZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	MW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Ap	501	159	-	5/22/38/38	0/3/3/3
158	GDP	ZQ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	EV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KF	602	159	-	5/22/38/38	0/3/3/3
160	GTP	HK	501	159	-	5/22/38/38	0/3/3/3
158	GDP	QD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZR	602	159	-	5/22/38/38	0/3/3/3
156	ATP	7e	4704	-	-	7/22/38/38	0/3/3/3
160	GTP	AL	602	159	-	5/22/38/38	0/3/3/3
158	GDP	IJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HB	501	-	-	3/16/32/32	0/3/3/3
160	GTP	JE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	OT	602	159	-	5/22/38/38	0/3/3/3
160	GTP	SE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	KX	501	159	-	5/22/38/38	0/3/3/3
160	GTP	EA	501	159	-	5/22/38/38	0/3/3/3
160	GTP	WC	501	159	-	5/22/38/38	0/3/3/3
158	GDP	FH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	IP	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VY	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PU	602	159	-	5/22/38/38	0/3/3/3
160	GTP	QI	602	159	-	5/22/38/38	0/3/3/3
160	GTP	SO	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LB	501	159	-	5/22/38/38	0/3/3/3
158	GDP	RF	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	FV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MZ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	JB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Ab	501	159	-	5/22/38/38	0/3/3/3
156	ATP	9f	4701	-	-	9/22/38/38	0/3/3/3
158	GDP	MI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TT	602	159	-	5/22/38/38	0/3/3/3
158	GDP	MU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	GA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	YC	501	159	-	5/22/38/38	0/3/3/3
158	GDP	OC	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	JK	501	-	-	2/16/32/32	0/3/3/3
158	GDP	KK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DJ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	DS	602	159	-	5/22/38/38	0/3/3/3
160	GTP	SU	501	159	-	5/22/38/38	0/3/3/3
160	GTP	SQ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	OU	501	-	-	2/16/32/32	0/3/3/3
158	GDP	UO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LZ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	FS	602	159	-	5/22/38/38	0/3/3/3
158	GDP	ZC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UL	602	159	-	5/22/38/38	0/3/3/3
160	GTP	GO	501	159	-	5/22/38/38	0/3/3/3
160	GTP	XG	602	159	-	5/22/38/38	0/3/3/3
160	GTP	JX	501	159	-	5/22/38/38	0/3/3/3
158	GDP	SL	501	-	-	2/16/32/32	0/3/3/3
160	GTP	JV	501	159	-	5/22/38/38	0/3/3/3
158	GDP	VF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MN	502	159	-	5/22/38/38	0/3/3/3
158	GDP	NA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Ad	602	159	-	5/22/38/38	0/3/3/3
160	GTP	ZJ	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	DZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	BO	501	-	-	2/16/32/32	0/3/3/3
158	GDP	NG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RD	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZE	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	CW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	WI	602	159	-	5/22/38/38	0/3/3/3
158	GDP	NE	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	NM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	Aa	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HW	501	159	-	5/22/38/38	0/3/3/3
160	GTP	SS	602	159	-	2/22/38/38	0/3/3/3
158	GDP	BC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BJ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	ER	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LG	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TO	501	159	-	5/22/38/38	0/3/3/3
160	GTP	FK	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CY	501	-	-	2/16/32/32	0/3/3/3
158	GDP	KM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZP	501	159	-	5/22/38/38	0/3/3/3
160	GTP	NR	502	159	-	5/22/38/38	0/3/3/3
160	GTP	ON	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	CK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DW	602	159	-	5/22/38/38	0/3/3/3
158	GDP	EJ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TQ	602	159	-	5/22/38/38	0/3/3/3
160	GTP	NV	503	159	-	5/22/38/38	0/3/3/3
158	GDP	VD	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	AM	501	-	-	2/16/32/32	0/3/3/3
156	ATP	7f	4702	-	-	7/22/38/38	0/3/3/3
160	GTP	FO	602	159	-	5/22/38/38	0/3/3/3
160	GTP	MD	502	159	-	5/22/38/38	0/3/3/3
160	GTP	MX	502	159	-	5/22/38/38	0/3/3/3
160	GTP	KL	602	159	-	5/22/38/38	0/3/3/3
158	GDP	TS	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LH	501	159	-	5/22/38/38	0/3/3/3
160	GTP	ZH	501	159	-	5/22/38/38	0/3/3/3
160	GTP	BN	602	159	-	5/22/38/38	0/3/3/3
158	GDP	TD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CR	501	159	-	5/22/38/38	0/3/3/3
160	GTP	DD	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CS	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	NS	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BP	501	159	-	5/22/38/38	0/3/3/3
160	GTP	VU	501	159	-	5/22/38/38	0/3/3/3
160	GTP	ML	602	159	-	5/22/38/38	0/3/3/3
160	GTP	UR	501	159	-	5/22/38/38	0/3/3/3
158	GDP	UZ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CT	602	159	-	5/22/38/38	0/3/3/3
158	GDP	BM	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CV	501	159	-	5/22/38/38	0/3/3/3
158	GDP	UC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EU	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PI	602	159	-	5/22/38/38	0/3/3/3
158	GDP	OE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YX	602	159	-	5/22/38/38	0/3/3/3
160	GTP	AP	602	159	-	5/22/38/38	0/3/3/3
158	GDP	WT	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	MG	501	-	-	2/16/32/32	0/3/3/3
160	GTP	FY	501	159	-	5/22/38/38	0/3/3/3
160	GTP	AX	501	159	-	5/22/38/38	0/3/3/3
158	GDP	NY	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UB	501	159	-	5/22/38/38	0/3/3/3
156	ATP	8f	4702	-	-	8/22/38/38	0/3/3/3
160	GTP	AJ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	RW	501	159	-	5/22/38/38	0/3/3/3
160	GTP	EO	501	159	-	5/22/38/38	0/3/3/3
158	GDP	JG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	PV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	IH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BL	501	159	-	5/22/38/38	0/3/3/3
160	GTP	FQ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	KC	501	-	-	2/16/32/32	0/3/3/3
157	ADP	8e	4701	-	-	4/16/32/32	0/3/3/3
158	GDP	LW	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	SG	501	159	-	5/22/38/38	0/3/3/3
158	GDP	HV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	GI	501	159	-	5/22/38/38	0/3/3/3
160	GTP	GM	501	159	-	5/22/38/38	0/3/3/3
158	GDP	MQ	501	-	-	2/16/32/32	0/3/3/3
156	ATP	8e	4703	-	-	5/22/38/38	0/3/3/3
160	GTP	LD	602	159	-	5/22/38/38	0/3/3/3
158	GDP	WR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EW	501	159	-	5/22/38/38	0/3/3/3
158	GDP	GR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VS	501	159	-	5/22/38/38	0/3/3/3
158	GDP	WL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HN	501	-	-	3/16/32/32	0/3/3/3
160	GTP	PE	602	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	ZW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CN	602	159	-	5/22/38/38	0/3/3/3
160	GTP	II	501	159	-	3/22/38/38	0/3/3/3
160	GTP	QQ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	IQ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	BW	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	XN	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Aj	501	159	-	5/22/38/38	0/3/3/3
158	GDP	DE	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LC	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VN	501	-	-	2/16/32/32	0/3/3/3
160	GTP	WK	602	159	-	5/22/38/38	0/3/3/3
160	GTP	OX	602	159	-	5/22/38/38	0/3/3/3
158	GDP	BS	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CI	501	159	-	5/22/38/38	0/3/3/3
160	GTP	NH	502	159	-	5/22/38/38	0/3/3/3
160	GTP	KR	602	159	-	5/22/38/38	0/3/3/3
160	GTP	JH	602	159	-	5/22/38/38	0/3/3/3
160	GTP	NN	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	OQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LL	501	159	-	5/22/38/38	0/3/3/3
156	ATP	9e	5004	-	-	9/22/38/38	0/3/3/3
160	GTP	ZZ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	NP	501	159	-	5/22/38/38	0/3/3/3
160	GTP	WG	501	159	-	2/22/38/38	0/3/3/3
158	GDP	ZI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VQ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	TW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	FM	501	159	-	5/22/38/38	0/3/3/3
160	GTP	JA	501	159	-	5/22/38/38	0/3/3/3
158	GDP	SZ	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	RC	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PO	602	159	-	5/22/38/38	0/3/3/3
158	GDP	RT	501	-	-	2/16/32/32	0/3/3/3
160	GTP	OD	602	159	-	5/22/38/38	0/3/3/3
160	GTP	FG	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TU	501	-	-	2/16/32/32	0/3/3/3
158	GDP	OW	501	-	-	2/16/32/32	0/3/3/3
158	GDP	AG	501	-	-	4/16/32/32	0/3/3/3
160	GTP	BV	602	159	-	5/22/38/38	0/3/3/3
158	GDP	XV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	UE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	GC	602	159	-	5/22/38/38	0/3/3/3
158	GDP	TJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	NI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	IO	501	159	-	3/22/38/38	0/3/3/3
160	GTP	JR	602	159	-	5/22/38/38	0/3/3/3
158	GDP	KW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RK	602	159	-	5/22/38/38	0/3/3/3
158	GDP	IB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	XF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YE	602	159	-	5/22/38/38	0/3/3/3
158	GDP	QT	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZF	602	159	-	5/22/38/38	0/3/3/3
158	GDP	BA	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	PL	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XA	501	159	-	5/22/38/38	0/3/3/3
158	GDP	Ag	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HY	501	159	-	5/22/38/38	0/3/3/3
158	GDP	Am	501	-	-	2/16/32/32	0/3/3/3
158	GDP	Ai	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KB	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	ZA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	XI	602	159	-	5/22/38/38	0/3/3/3
160	GTP	DL	501	159	-	5/22/38/38	0/3/3/3
158	GDP	JY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RG	501	159	-	5/22/38/38	0/3/3/3
160	GTP	RM	501	159	-	5/22/38/38	0/3/3/3
156	ATP	7a	4704	-	-	6/22/38/38	0/3/3/3
160	GTP	DB	501	159	-	5/22/38/38	0/3/3/3
160	GTP	CL	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SP	501	-	-	2/16/32/32	0/3/3/3
157	ADP	7e	4701	-	-	4/16/32/32	0/3/3/3
160	GTP	YJ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	XJ	501	-	-	3/16/32/32	0/3/3/3
160	GTP	PK	501	159	-	5/22/38/38	0/3/3/3
158	GDP	Ae	501	-	-	4/16/32/32	0/3/3/3
156	ATP	8e	4704	-	-	9/22/38/38	0/3/3/3
158	GDP	OM	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RU	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XW	602	159	-	5/22/38/38	0/3/3/3
158	GDP	LY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VO	501	159	-	5/22/38/38	0/3/3/3
158	GDP	HL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	PZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WJ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ES	501	159	-	5/22/38/38	0/3/3/3
157	ADP	9f	4702	-	-	6/16/32/32	0/3/3/3
158	GDP	HZ	501	-	-	3/16/32/32	0/3/3/3
158	GDP	AW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EG	501	159	-	5/22/38/38	0/3/3/3
160	GTP	DO	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	EC	501	159	-	5/22/38/38	0/3/3/3
158	GDP	PF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EI	501	159	-	5/22/38/38	0/3/3/3
158	GDP	PX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	KA	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CF	501	159	-	5/22/38/38	0/3/3/3
158	GDP	YY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EE	501	159	-	5/22/38/38	0/3/3/3
158	GDP	KO	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YM	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BR	501	159	-	5/22/38/38	0/3/3/3
160	GTP	FC	501	159	-	5/22/38/38	0/3/3/3
160	GTP	UF	501	159	-	5/22/38/38	0/3/3/3
160	GTP	GS	602	159	-	5/22/38/38	0/3/3/3
160	GTP	TX	602	159	-	4/22/38/38	0/3/3/3
160	GTP	JP	602	159	-	5/22/38/38	0/3/3/3
160	GTP	QU	602	159	-	5/22/38/38	0/3/3/3
160	GTP	OJ	602	159	-	5/22/38/38	0/3/3/3
160	GTP	RY	602	159	-	5/22/38/38	0/3/3/3
160	GTP	SC	602	159	-	5/22/38/38	0/3/3/3
160	GTP	YN	501	159	-	5/22/38/38	0/3/3/3
160	GTP	Af	501	159	-	5/22/38/38	0/3/3/3
158	GDP	IV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	JU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Al	602	159	-	5/22/38/38	0/3/3/3
158	GDP	DN	501	-	-	2/16/32/32	0/3/3/3
160	GTP	OL	602	159	-	5/22/38/38	0/3/3/3
158	GDP	UX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LS	501	-	-	2/16/32/32	0/3/3/3
158	GDP	JD	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	NU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DF	501	159	-	5/22/38/38	0/3/3/3
160	GTP	WE	602	159	-	5/22/38/38	0/3/3/3
160	GTP	WW	501	159	-	5/22/38/38	0/3/3/3
158	GDP	RL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	DX	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VC	501	159	-	2/22/38/38	0/3/3/3
160	GTP	OP	501	159	-	5/22/38/38	0/3/3/3
158	GDP	DV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	PH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TP	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZV	602	159	-	5/22/38/38	0/3/3/3
158	GDP	PR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	OV	501	159	-	5/22/38/38	0/3/3/3
160	GTP	MB	502	159	-	5/22/38/38	0/3/3/3
160	GTP	FW	602	159	-	5/22/38/38	0/3/3/3
158	GDP	EB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EY	501	159	-	5/22/38/38	0/3/3/3
160	GTP	NT	602	159	-	5/22/38/38	0/3/3/3
158	GDP	RX	501	-	-	2/16/32/32	0/3/3/3
160	GTP	IY	501	159	-	5/22/38/38	0/3/3/3
160	GTP	WU	501	159	-	5/22/38/38	0/3/3/3
158	GDP	IL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	EZ	602	-	-	2/16/32/32	0/3/3/3
158	GDP	AQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	NZ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	BK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	IS	501	159	-	5/22/38/38	0/3/3/3
158	GDP	AI	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UN	602	159	-	5/22/38/38	0/3/3/3
158	GDP	NC	501	-	-	2/16/32/32	0/3/3/3
156	ATP	9e	5001	-	-	8/22/38/38	0/3/3/3
160	GTP	KV	602	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	HI	602	159	-	5/22/38/38	0/3/3/3
160	GTP	IK	602	159	-	5/22/38/38	0/3/3/3
160	GTP	QY	501	159	-	5/22/38/38	0/3/3/3
158	GDP	YS	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HM	602	159	-	5/22/38/38	0/3/3/3
160	GTP	NB	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BZ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	TC	501	159	-	5/22/38/38	0/3/3/3
160	GTP	HG	501	159	-	5/22/38/38	0/3/3/3
160	GTP	ZN	602	159	-	5/22/38/38	0/3/3/3
160	GTP	GU	602	159	-	5/22/38/38	0/3/3/3
156	ATP	7e	4702	-	-	5/22/38/38	0/3/3/3
156	ATP	9e	5003	-	-	5/22/38/38	0/3/3/3
158	GDP	YF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	An	602	159	-	5/22/38/38	0/3/3/3
158	GDP	DC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	GK	602	159	-	5/22/38/38	0/3/3/3
158	GDP	EX	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZB	501	159	-	5/22/38/38	0/3/3/3
160	GTP	DU	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	AT	501	159	-	5/22/38/38	0/3/3/3
160	GTP	ZX	501	159	-	5/22/38/38	0/3/3/3
158	GDP	VZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZT	602	159	-	5/22/38/38	0/3/3/3
160	GTP	CD	602	159	-	5/22/38/38	0/3/3/3
158	GDP	XT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VL	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MT	501	159	-	5/22/38/38	0/3/3/3
158	GDP	AS	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	IM	602	159	-	5/22/38/38	0/3/3/3
160	GTP	KZ	602	159	-	5/22/38/38	0/3/3/3
160	GTP	BX	602	159	-	5/22/38/38	0/3/3/3
158	GDP	PP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	OY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	ZL	602	159	-	5/22/38/38	0/3/3/3
158	GDP	PT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XU	501	159	-	5/22/38/38	0/3/3/3
158	GDP	AK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	NL	602	159	-	5/22/38/38	0/3/3/3
158	GDP	MA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	JC	501	159	-	5/22/38/38	0/3/3/3
158	GDP	NQ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	US	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CZ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	DR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	JZ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	MH	501	159	-	5/22/38/38	0/3/3/3
158	GDP	ME	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YW	501	-	-	2/16/32/32	0/3/3/3
160	GTP	NX	501	159	-	5/22/38/38	0/3/3/3
158	GDP	PD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XQ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	BI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DH	501	159	-	5/22/38/38	0/3/3/3
158	GDP	GX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	Ak	501	-	-	2/16/32/32	0/3/3/3
157	ADP	9e	5002	-	-	4/16/32/32	0/3/3/3
158	GDP	SD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EM	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
160	GTP	GE	602	159	-	5/22/38/38	0/3/3/3
160	GTP	RQ	501	159	-	5/22/38/38	0/3/3/3
156	ATP	9f	4704	-	-	8/22/38/38	0/3/3/3
158	GDP	MC	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VG	501	159	-	5/22/38/38	0/3/3/3
160	GTP	XC	602	159	-	5/22/38/38	0/3/3/3
158	GDP	HD	501	-	-	2/16/32/32	0/3/3/3
158	GDP	KS	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KD	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PQ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	FT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	YL	602	159	-	5/22/38/38	0/3/3/3
160	GTP	HQ	602	159	-	5/22/38/38	0/3/3/3
160	GTP	ND	501	159	-	5/22/38/38	0/3/3/3
156	ATP	7a	4702	-	-	9/22/38/38	0/3/3/3
158	GDP	KY	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QN	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RO	602	159	-	5/22/38/38	0/3/3/3
158	GDP	AU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QW	501	159	-	5/22/38/38	0/3/3/3
157	ADP	7b	4704	-	-	7/16/32/32	0/3/3/3
158	GDP	JM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ID	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RJ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	AF	501	159	-	5/22/38/38	0/3/3/3
158	GDP	RP	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MJ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	AY	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YR	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	GD	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PG	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LN	501	159	-	5/22/38/38	0/3/3/3
160	GTP	VM	602	159	-	5/22/38/38	0/3/3/3
160	GTP	AZ	501	159	-	5/22/38/38	0/3/3/3
158	GDP	OS	501	-	-	2/16/32/32	0/3/3/3
156	ATP	7b	4701	-	-	4/22/38/38	0/3/3/3
158	GDP	SV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LV	502	159	-	5/22/38/38	0/3/3/3
158	GDP	LE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	AV	501	159	-	5/22/38/38	0/3/3/3
160	GTP	CP	602	159	-	5/22/38/38	0/3/3/3
160	GTP	GW	501	159	-	5/22/38/38	0/3/3/3
160	GTP	YP	602	159	-	5/22/38/38	0/3/3/3
160	GTP	AD	501	159	-	5/22/38/38	0/3/3/3
158	GDP	IT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZM	501	-	-	2/16/32/32	0/3/3/3
158	GDP	CA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XO	602	159	-	5/22/38/38	0/3/3/3
158	GDP	JQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QM	501	159	-	5/22/38/38	0/3/3/3
158	GDP	RZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	UG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WZ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	JW	501	-	-	2/16/32/32	0/3/3/3
158	GDP	XL	501	-	-	2/16/32/32	0/3/3/3
156	ATP	7b	4702	-	-	5/22/38/38	0/3/3/3
158	GDP	MY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YZ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	ET	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UD	501	159	-	5/22/38/38	0/3/3/3
160	GTP	CB	501	159	-	5/22/38/38	0/3/3/3
160	GTP	VW	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	VH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MR	602	159	-	5/22/38/38	0/3/3/3
158	GDP	KU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	WO	501	159	-	5/22/38/38	0/3/3/3
160	GTP	XY	501	159	-	5/22/38/38	0/3/3/3
158	GDP	KG	501	-	-	2/16/32/32	0/3/3/3
160	GTP	SW	501	159	-	5/22/38/38	0/3/3/3
158	GDP	MO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UJ	501	159	-	4/22/38/38	0/3/3/3
160	GTP	AR	602	159	-	5/22/38/38	0/3/3/3
160	GTP	BD	602	159	-	5/22/38/38	0/3/3/3
160	GTP	SA	501	159	-	4/22/38/38	0/3/3/3
160	GTP	WS	501	159	-	5/22/38/38	0/3/3/3
158	GDP	OO	501	-	-	2/16/32/32	0/3/3/3
158	GDP	KQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	EK	602	159	-	5/22/38/38	0/3/3/3
156	ATP	7f	4704	-	-	4/22/38/38	0/3/3/3
160	GTP	JT	501	159	-	5/22/38/38	0/3/3/3
160	GTP	QO	602	159	-	5/22/38/38	0/3/3/3
158	GDP	ZK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	IA	501	159	-	5/22/38/38	0/3/3/3
160	GTP	EQ	602	159	-	5/22/38/38	0/3/3/3
160	GTP	XK	501	159	-	5/22/38/38	0/3/3/3
158	GDP	IF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	EH	501	-	-	2/16/32/32	0/3/3/3
156	ATP	7e	4703	-	-	9/22/38/38	0/3/3/3
158	GDP	GB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GT	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TK	501	159	-	5/22/38/38	0/3/3/3
158	GDP	CH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	UK	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	EL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WN	501	-	-	2/16/32/32	0/3/3/3
157	ADP	7a	4703	-	-	4/16/32/32	0/3/3/3
160	GTP	YA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	QK	602	159	-	5/22/38/38	0/3/3/3
160	GTP	WQ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	IN	501	-	-	2/16/32/32	0/3/3/3
160	GTP	SI	501	159	-	5/22/38/38	0/3/3/3
158	GDP	QX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	DA	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GZ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QE	501	159	-	5/22/38/38	0/3/3/3
158	GDP	IR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	DT	501	-	-	2/16/32/32	0/3/3/3
160	GTP	OB	501	159	-	5/22/38/38	0/3/3/3
160	GTP	HC	602	159	-	5/22/38/38	0/3/3/3
158	GDP	PN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QZ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TG	501	159	-	5/22/38/38	0/3/3/3
158	GDP	FP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VK	501	159	-	5/22/38/38	0/3/3/3
160	GTP	SK	602	159	-	5/22/38/38	0/3/3/3
158	GDP	HH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	DG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	VA	501	159	-	5/22/38/38	0/3/3/3
158	GDP	BU	501	-	-	2/16/32/32	0/3/3/3
158	GDP	CU	501	-	-	2/16/32/32	0/3/3/3
158	GDP	UQ	501	-	-	2/16/32/32	0/3/3/3
156	ATP	8f	4704	-	-	8/22/38/38	0/3/3/3
160	GTP	OR	602	159	-	5/22/38/38	0/3/3/3
160	GTP	QS	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	QJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	Ac	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KJ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	YH	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KT	501	159	-	5/22/38/38	0/3/3/3
160	GTP	JJ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	OF	501	159	-	5/22/38/38	0/3/3/3
160	GTP	RI	501	159	-	5/22/38/38	0/3/3/3
158	GDP	UU	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GP	501	-	-	2/16/32/32	0/3/3/3
160	GTP	PW	501	159	-	5/22/38/38	0/3/3/3
158	GDP	FX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	WD	501	-	-	2/16/32/32	0/3/3/3
158	GDP	YK	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SF	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YT	602	159	-	5/22/38/38	0/3/3/3
160	GTP	GG	501	159	-	5/22/38/38	0/3/3/3
158	GDP	XH	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TL	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KP	602	159	-	5/22/38/38	0/3/3/3
158	GDP	UA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BT	602	159	-	5/22/38/38	0/3/3/3
158	GDP	ZU	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BH	602	159	-	5/22/38/38	0/3/3/3
160	GTP	NF	502	159	-	5/22/38/38	0/3/3/3
158	GDP	NK	501	-	-	2/16/32/32	0/3/3/3
158	GDP	BY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TR	501	159	-	5/22/38/38	0/3/3/3
158	GDP	HX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	HT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SR	501	-	-	2/16/32/32	0/3/3/3
160	GTP	SM	501	159	-	5/22/38/38	0/3/3/3
158	GDP	SH	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	AA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HO	501	159	-	5/22/38/38	0/3/3/3
158	GDP	UI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HU	602	159	-	5/22/38/38	0/3/3/3
160	GTP	FI	602	159	-	5/22/38/38	0/3/3/3
156	ATP	8e	4702	-	-	9/22/38/38	0/3/3/3
158	GDP	CC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	XS	501	159	-	5/22/38/38	0/3/3/3
160	GTP	HE	602	159	-	5/22/38/38	0/3/3/3
160	GTP	VE	501	159	-	5/22/38/38	0/3/3/3
160	GTP	TV	501	159	-	5/22/38/38	0/3/3/3
160	GTP	TZ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	LI	501	-	-	2/16/32/32	0/3/3/3
158	GDP	SX	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BF	602	159	-	5/22/38/38	0/3/3/3
158	GDP	DI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DM	501	159	-	5/22/38/38	0/3/3/3
160	GTP	DY	501	159	-	5/22/38/38	0/3/3/3
158	GDP	WX	501	-	-	2/16/32/32	0/3/3/3
160	GTP	HA	501	159	-	5/22/38/38	0/3/3/3
158	GDP	YB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	OZ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	IG	501	159	-	5/22/38/38	0/3/3/3
158	GDP	HJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	MK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	KN	602	159	-	5/22/38/38	0/3/3/3
158	GDP	EF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	DK	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FL	602	-	-	2/16/32/32	0/3/3/3
158	GDP	OI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	BB	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LR	501	159	-	5/22/38/38	0/3/3/3
160	GTP	PM	602	159	-	5/22/38/38	0/3/3/3
160	GTP	TI	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
156	ATP	7a	4701	-	-	5/22/38/38	0/3/3/3
160	GTP	WA	602	159	-	5/22/38/38	0/3/3/3
158	GDP	JO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LF	602	159	-	5/22/38/38	0/3/3/3
160	GTP	UH	501	159	-	5/22/38/38	0/3/3/3
156	ATP	8f	4703	-	-	6/22/38/38	0/3/3/3
160	GTP	VI	501	159	-	5/22/38/38	0/3/3/3
160	GTP	AH	501	159	-	5/22/38/38	0/3/3/3
158	GDP	BG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GL	501	-	-	2/16/32/32	0/3/3/3
160	GTP	UP	501	159	-	5/22/38/38	0/3/3/3
158	GDP	OA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	WY	602	159	-	5/22/38/38	0/3/3/3
158	GDP	DP	501	-	-	2/16/32/32	0/3/3/3
158	GDP	RV	501	-	-	2/16/32/32	0/3/3/3
160	GTP	YV	602	159	-	5/22/38/38	0/3/3/3
158	GDP	QB	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ST	501	-	-	2/16/32/32	0/3/3/3
160	GTP	MF	602	159	-	5/22/38/38	0/3/3/3
156	ATP	7f	4703	-	-	9/22/38/38	0/3/3/3
160	GTP	UW	602	159	-	5/22/38/38	0/3/3/3
156	ATP	9f	4703	-	-	5/22/38/38	0/3/3/3
160	GTP	GQ	602	159	-	5/22/38/38	0/3/3/3
158	GDP	AO	501	-	-	2/16/32/32	0/3/3/3
158	GDP	CO	501	-	-	2/16/32/32	0/3/3/3
158	GDP	GJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	OK	501	-	-	2/16/32/32	0/3/3/3
158	GDP	MM	501	-	-	2/16/32/32	0/3/3/3
160	GTP	RS	501	159	-	5/22/38/38	0/3/3/3
158	GDP	JS	501	-	-	2/16/32/32	0/3/3/3
158	GDP	JI	501	-	-	2/16/32/32	0/3/3/3
158	GDP	EN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ZO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	DQ	501	159	-	5/22/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
156	ATP	7b	4703	-	-	9/22/38/38	0/3/3/3
158	GDP	PA	501	-	-	2/16/32/32	0/3/3/3
160	GTP	IW	501	159	-	5/22/38/38	0/3/3/3
158	GDP	NO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	PC	602	159	-	5/22/38/38	0/3/3/3
160	GTP	FA	602	159	-	5/22/38/38	0/3/3/3
160	GTP	CJ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	LJ	501	159	-	5/22/38/38	0/3/3/3
160	GTP	IU	501	159	-	5/22/38/38	0/3/3/3
160	GTP	HS	501	159	-	5/22/38/38	0/3/3/3
158	GDP	LA	501	-	-	2/16/32/32	0/3/3/3
158	GDP	IX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	VR	501	-	-	2/16/32/32	0/3/3/3
158	GDP	XX	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LQ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	AE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	IE	501	159	-	5/22/38/38	0/3/3/3
158	GDP	TY	501	-	-	2/16/32/32	0/3/3/3
160	GTP	NJ	503	159	-	5/22/38/38	0/3/3/3
160	GTP	UY	602	159	-	5/22/38/38	0/3/3/3
160	GTP	AN	501	159	-	5/22/38/38	0/3/3/3
158	GDP	KE	501	-	-	2/16/32/32	0/3/3/3
160	GTP	Ah	501	159	-	5/22/38/38	0/3/3/3
157	ADP	7f	4701	-	-	8/16/32/32	0/3/3/3
160	GTP	SY	602	159	-	5/22/38/38	0/3/3/3
158	GDP	LO	501	-	-	2/16/32/32	0/3/3/3
160	GTP	CX	602	159	-	5/22/38/38	0/3/3/3
158	GDP	KI	501	-	-	2/16/32/32	0/3/3/3
160	GTP	TM	501	159	-	5/22/38/38	0/3/3/3
158	GDP	OG	501	-	-	2/16/32/32	0/3/3/3
158	GDP	AC	501	-	-	2/16/32/32	0/3/3/3
160	GTP	QC	501	159	-	5/22/38/38	0/3/3/3
158	GDP	JF	501	-	-	2/16/32/32	0/3/3/3
158	GDP	ED	501	-	-	2/16/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
158	GDP	VT	501	-	-	2/16/32/32	0/3/3/3
158	GDP	BQ	501	-	-	2/16/32/32	0/3/3/3
160	GTP	JN	501	159	-	5/22/38/38	0/3/3/3
158	GDP	RN	501	-	-	2/16/32/32	0/3/3/3
157	ADP	8f	4701	-	-	7/16/32/32	0/3/3/3
158	GDP	PJ	501	-	-	2/16/32/32	0/3/3/3
158	GDP	QL	501	-	-	2/16/32/32	0/3/3/3
158	GDP	TB	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LX	501	159	-	5/22/38/38	0/3/3/3
160	GTP	YG	602	159	-	5/22/38/38	0/3/3/3
158	GDP	VV	501	-	-	2/16/32/32	0/3/3/3
158	GDP	LK	501	-	-	2/16/32/32	0/3/3/3
160	GTP	LT	602	159	-	5/22/38/38	0/3/3/3
160	GTP	KH	501	159	-	5/22/38/38	0/3/3/3
158	GDP	QP	501	-	-	2/16/32/32	0/3/3/3
160	GTP	PS	501	159	-	5/22/38/38	0/3/3/3
160	GTP	AB	602	159	-	5/22/38/38	0/3/3/3
158	GDP	GN	501	-	-	2/16/32/32	0/3/3/3
158	GDP	FB	501	-	-	2/16/32/32	0/3/3/3

All (231) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
157	9e	5002	ADP	C5-C4	4.58	1.47	1.39
157	7e	4701	ADP	C5-C4	4.55	1.47	1.39
157	8e	4701	ADP	C5-C4	4.54	1.47	1.39
157	7a	4703	ADP	C5-C4	4.46	1.47	1.39
157	8f	4701	ADP	C5-C4	4.45	1.47	1.39
157	7b	4704	ADP	C5-C4	4.38	1.46	1.39
157	9f	4702	ADP	C5-C4	4.36	1.46	1.39
157	7f	4701	ADP	C5-C4	4.35	1.46	1.39
156	8f	4703	ATP	PB-O3B	-3.64	1.55	1.59
158	ED	501	GDP	C6-N1	-3.40	1.32	1.38
158	IL	501	GDP	C5-C4	3.05	1.47	1.38
158	BU	501	GDP	C5-C4	3.04	1.47	1.38
158	AC	501	GDP	C5-C4	3.03	1.47	1.38
158	BC	501	GDP	C5-C4	3.01	1.47	1.38
158	AO	501	GDP	C5-C4	3.00	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
158	DV	501	GDP	C5-C4	2.99	1.46	1.38
158	HL	501	GDP	C5-C4	2.97	1.46	1.38
158	JW	501	GDP	C5-C4	2.95	1.46	1.38
158	FZ	501	GDP	C5-C4	2.95	1.46	1.38
158	FV	501	GDP	C5-C4	2.94	1.46	1.38
158	GZ	501	GDP	C5-C4	2.94	1.46	1.38
158	IF	501	GDP	C5-C4	2.94	1.46	1.38
158	FH	501	GDP	C6-N1	-2.94	1.33	1.38
160	VC	501	GTP	PA-O3A	-2.93	1.56	1.59
158	CS	501	GDP	C5-C4	2.93	1.46	1.38
158	BO	501	GDP	C5-C4	2.93	1.46	1.38
158	IV	501	GDP	C5-C4	2.93	1.46	1.38
158	JI	501	GDP	C5-C4	2.93	1.46	1.38
158	JK	501	GDP	C5-C4	2.93	1.46	1.38
158	IH	501	GDP	C5-C4	2.92	1.46	1.38
158	CW	501	GDP	C5-C4	2.92	1.46	1.38
158	ED	501	GDP	C5-C4	2.91	1.46	1.38
158	CU	501	GDP	C5-C4	2.91	1.46	1.38
158	IN	501	GDP	C5-C4	2.91	1.46	1.38
158	FX	501	GDP	C5-C4	2.90	1.46	1.38
158	WL	501	GDP	C5-C4	2.90	1.46	1.38
158	WF	501	GDP	C5-C4	2.90	1.46	1.38
158	JG	501	GDP	C5-C4	2.89	1.46	1.38
158	IT	501	GDP	C5-C4	2.89	1.46	1.38
158	JY	501	GDP	C5-C4	2.89	1.46	1.38
158	XF	501	GDP	C5-C4	2.89	1.46	1.38
158	ID	501	GDP	C5-C4	2.89	1.46	1.38
158	MQ	501	GDP	C5-C4	2.89	1.46	1.38
158	CK	501	GDP	C5-C4	2.89	1.46	1.38
158	WX	501	GDP	C5-C4	2.89	1.46	1.38
158	JS	501	GDP	C5-C4	2.88	1.46	1.38
158	HD	501	GDP	C5-C4	2.88	1.46	1.38
158	WD	501	GDP	C5-C4	2.87	1.46	1.38
158	ER	501	GDP	C5-C4	2.87	1.46	1.38
158	IP	501	GDP	C5-C4	2.86	1.46	1.38
158	DT	501	GDP	C5-C4	2.86	1.46	1.38
158	ET	501	GDP	C5-C4	2.83	1.46	1.38
160	WG	501	GTP	PA-O3A	-2.82	1.56	1.59
158	EB	501	GDP	C5-C4	2.81	1.46	1.38
160	UJ	501	GTP	PA-O3A	-2.80	1.56	1.59
158	ER	501	GDP	C6-N1	-2.80	1.33	1.38
158	ET	501	GDP	C6-N1	-2.79	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
158	FH	501	GDP	C5-C4	2.78	1.46	1.38
158	DN	501	GDP	C5-C4	2.77	1.46	1.38
158	CK	501	GDP	C6-N1	-2.72	1.33	1.38
158	DN	501	GDP	C6-N1	-2.72	1.33	1.38
158	CW	501	GDP	C6-N1	-2.71	1.33	1.38
158	FZ	501	GDP	C6-N1	-2.69	1.33	1.38
158	JS	501	GDP	C6-N1	-2.69	1.33	1.38
158	BO	501	GDP	C6-N1	-2.68	1.33	1.38
158	CU	501	GDP	C6-N1	-2.68	1.33	1.38
158	JI	501	GDP	C6-N1	-2.68	1.33	1.38
158	WF	501	GDP	C6-N1	-2.67	1.33	1.38
158	JG	501	GDP	C6-N1	-2.67	1.33	1.38
158	DV	501	GDP	C6-N1	-2.67	1.33	1.38
158	DT	501	GDP	C6-N1	-2.66	1.33	1.38
158	IP	501	GDP	C6-N1	-2.66	1.33	1.38
158	ID	501	GDP	C6-N1	-2.65	1.33	1.38
158	BU	501	GDP	C6-N1	-2.65	1.33	1.38
158	XF	501	GDP	C6-N1	-2.65	1.33	1.38
158	GZ	501	GDP	C6-N1	-2.64	1.33	1.38
158	WD	501	GDP	C6-N1	-2.64	1.33	1.38
158	IF	501	GDP	C6-N1	-2.63	1.33	1.38
158	BC	501	GDP	C6-N1	-2.62	1.33	1.38
158	WX	501	GDP	C6-N1	-2.62	1.33	1.38
158	IL	501	GDP	C6-N1	-2.61	1.34	1.38
158	WL	501	GDP	C6-N1	-2.61	1.34	1.38
158	HL	501	GDP	C6-N1	-2.61	1.34	1.38
158	JY	501	GDP	C6-N1	-2.60	1.34	1.38
158	FV	501	GDP	C6-N1	-2.60	1.34	1.38
158	MQ	501	GDP	C6-N1	-2.60	1.34	1.38
158	IT	501	GDP	C6-N1	-2.59	1.34	1.38
158	FH	501	GDP	C5-N7	-2.59	1.33	1.39
157	8f	4701	ADP	C5-C6	2.57	1.48	1.41
158	EB	501	GDP	C6-N1	-2.57	1.34	1.38
158	JW	501	GDP	C6-N1	-2.56	1.34	1.38
157	7b	4704	ADP	C5-C6	2.56	1.48	1.41
158	IN	501	GDP	C6-N1	-2.56	1.34	1.38
158	IV	501	GDP	C6-N1	-2.56	1.34	1.38
158	FX	501	GDP	C6-N1	-2.55	1.34	1.38
157	7f	4701	ADP	C5-C6	2.55	1.48	1.41
157	7e	4701	ADP	C5-N7	-2.54	1.34	1.39
158	IH	501	GDP	C6-N1	-2.54	1.34	1.38
158	JK	501	GDP	C6-N1	-2.54	1.34	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
157	9f	4702	ADP	C5-C6	2.54	1.48	1.41
157	7a	4703	ADP	C5-N7	-2.53	1.34	1.39
158	CS	501	GDP	C6-N1	-2.53	1.34	1.38
157	7e	4701	ADP	C5-C6	2.52	1.48	1.41
157	9e	5002	ADP	C5-C6	2.52	1.48	1.41
157	8e	4701	ADP	C5-C6	2.52	1.48	1.41
158	HD	501	GDP	C6-N1	-2.51	1.34	1.38
157	9e	5002	ADP	C5-N7	-2.50	1.34	1.39
157	8e	4701	ADP	C5-N7	-2.49	1.34	1.39
158	AO	501	GDP	C6-N1	-2.49	1.34	1.38
158	AC	501	GDP	C6-N1	-2.48	1.34	1.38
157	9f	4702	ADP	C5-N7	-2.47	1.34	1.39
160	VO	501	GTP	PA-O3A	-2.45	1.56	1.59
157	7a	4703	ADP	C5-C6	2.45	1.47	1.41
157	7b	4704	ADP	C5-N7	-2.45	1.34	1.39
157	8f	4701	ADP	C5-N7	-2.44	1.34	1.39
160	SA	501	GTP	PA-O3A	-2.42	1.56	1.59
157	7f	4701	ADP	C5-N7	-2.41	1.34	1.39
156	8f	4704	ATP	PB-O3B	-2.41	1.56	1.59
158	ED	501	GDP	C5-N7	-2.40	1.34	1.39
160	TX	602	GTP	PA-O3A	-2.34	1.57	1.59
158	JG	501	GDP	C5-N7	-2.33	1.34	1.39
158	ID	501	GDP	C5-N7	-2.32	1.34	1.39
158	FV	501	GDP	C5-N7	-2.32	1.34	1.39
158	JS	501	GDP	C5-N7	-2.30	1.34	1.39
158	IF	501	GDP	C5-N7	-2.30	1.34	1.39
157	7f	4701	ADP	C4-N9	-2.29	1.32	1.37
158	WD	501	GDP	C5-N7	-2.29	1.34	1.39
158	ET	501	GDP	C5-N7	-2.29	1.34	1.39
157	7e	4701	ADP	C8-N7	2.29	1.36	1.31
158	JY	501	GDP	C5-N7	-2.29	1.34	1.39
158	IP	501	GDP	C5-N7	-2.28	1.34	1.39
157	8f	4701	ADP	C4-N9	-2.27	1.33	1.37
158	IV	501	GDP	C5-N7	-2.27	1.34	1.39
157	7a	4703	ADP	C8-N7	2.27	1.36	1.31
160	WS	501	GTP	PG-O2G	-2.26	1.46	1.54
157	8e	4701	ADP	C8-N7	2.26	1.36	1.31
157	9f	4702	ADP	C4-N9	-2.26	1.33	1.37
158	FZ	501	GDP	C5-N7	-2.25	1.34	1.39
157	9f	4702	ADP	C8-N7	2.25	1.36	1.31
158	JI	501	GDP	C5-N7	-2.24	1.34	1.39
157	7f	4701	ADP	C8-N7	2.24	1.36	1.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
158	EB	501	GDP	C5-N7	-2.23	1.34	1.39
158	BO	501	GDP	C5-N7	-2.23	1.34	1.39
157	8f	4701	ADP	C8-N7	2.23	1.36	1.31
158	ER	501	GDP	C5-N7	-2.23	1.34	1.39
158	IN	501	GDP	C5-N7	-2.23	1.34	1.39
160	QI	602	GTP	C2-N3	2.22	1.38	1.33
160	XE	501	GTP	C2-N3	2.22	1.38	1.33
157	9e	5002	ADP	C8-N7	2.22	1.35	1.31
158	DN	501	GDP	C5-N7	-2.22	1.34	1.39
158	IT	501	GDP	C5-N7	-2.22	1.34	1.39
157	7b	4704	ADP	C4-N9	-2.22	1.33	1.37
157	7b	4704	ADP	C8-N7	2.21	1.35	1.31
158	GZ	501	GDP	C5-N7	-2.21	1.34	1.39
160	IO	501	GTP	PG-O2G	-2.20	1.46	1.54
160	WG	501	GTP	PG-O3G	-2.20	1.46	1.54
158	JW	501	GDP	C5-N7	-2.20	1.34	1.39
156	8e	4704	ATP	PA-O3A	-2.20	1.57	1.59
158	XF	501	GDP	C5-N7	-2.19	1.34	1.39
160	TX	602	GTP	PG-O2G	-2.19	1.46	1.54
160	EW	501	GTP	PA-O3A	-2.19	1.57	1.59
156	9f	4701	ATP	PB-O3B	-2.19	1.57	1.59
158	BC	501	GDP	C5-N7	-2.19	1.34	1.39
158	CW	501	GDP	C5-N7	-2.18	1.34	1.39
158	DV	501	GDP	C5-N7	-2.18	1.34	1.39
158	BU	501	GDP	C5-N7	-2.18	1.34	1.39
160	UJ	501	GTP	PG-O3G	-2.18	1.46	1.54
158	WF	501	GDP	C5-N7	-2.18	1.34	1.39
158	IL	501	GDP	C5-N7	-2.17	1.34	1.39
160	JL	501	GTP	PG-O2G	-2.17	1.46	1.54
160	IK	602	GTP	C2-N3	2.17	1.38	1.33
158	CK	501	GDP	C5-N7	-2.17	1.34	1.39
158	AO	501	GDP	C5-N7	-2.17	1.34	1.39
158	IH	501	GDP	C5-N7	-2.16	1.34	1.39
160	SA	501	GTP	PG-O3G	-2.16	1.46	1.54
158	FX	501	GDP	C5-N7	-2.16	1.34	1.39
160	BH	602	GTP	C2-N3	2.16	1.38	1.33
158	AC	501	GDP	C5-N7	-2.16	1.34	1.39
158	MQ	501	GDP	C5-N7	-2.15	1.34	1.39
158	WL	501	GDP	C5-N7	-2.15	1.34	1.39
160	TX	602	GTP	PG-O3G	-2.15	1.46	1.54
160	HC	602	GTP	C2-N3	2.15	1.38	1.33
158	HL	501	GDP	C5-N7	-2.14	1.34	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
160	CT	602	GTP	C2-N3	2.14	1.38	1.33
158	CS	501	GDP	C5-N7	-2.14	1.34	1.39
158	WX	501	GDP	C5-N7	-2.14	1.34	1.39
160	HA	501	GTP	C2-N3	2.14	1.38	1.33
160	WS	501	GTP	PG-O3G	-2.14	1.46	1.54
160	AB	602	GTP	C2-N3	2.14	1.38	1.33
160	XO	602	GTP	C2-N3	2.13	1.38	1.33
160	IE	501	GTP	C5-N7	-2.13	1.34	1.39
160	XS	501	GTP	C2-N3	2.13	1.38	1.33
158	CU	501	GDP	C5-N7	-2.12	1.34	1.39
158	JK	501	GDP	C5-N7	-2.11	1.34	1.39
160	AD	501	GTP	C2-N3	2.11	1.38	1.33
160	IQ	501	GTP	C5-N7	-2.11	1.34	1.39
160	CL	501	GTP	C2-N3	2.11	1.38	1.33
160	IE	501	GTP	C2-N3	2.10	1.38	1.33
160	XE	501	GTP	C5-N7	-2.10	1.34	1.39
160	VO	501	GTP	PG-O2G	-2.09	1.47	1.54
160	BN	602	GTP	C2-N3	2.09	1.38	1.33
160	Ad	602	GTP	C2-N3	2.09	1.38	1.33
160	HE	602	GTP	C2-N3	2.09	1.38	1.33
160	VC	501	GTP	PG-O2G	-2.09	1.47	1.54
160	IU	501	GTP	C5-N7	-2.08	1.34	1.39
160	CV	501	GTP	C2-N3	2.08	1.38	1.33
160	IO	501	GTP	PG-O3G	-2.08	1.47	1.54
158	DT	501	GDP	C5-N7	-2.08	1.34	1.39
160	CX	602	GTP	C2-N3	2.07	1.38	1.33
158	HD	501	GDP	C5-N7	-2.07	1.34	1.39
160	EC	501	GTP	C5-N7	-2.06	1.34	1.39
160	UJ	501	GTP	PG-O2G	-2.05	1.47	1.54
160	II	501	GTP	PG-O3G	-2.05	1.47	1.54
160	HA	501	GTP	C5-N7	-2.04	1.35	1.39
160	KZ	602	GTP	C2-N3	2.04	1.38	1.33
160	QI	602	GTP	C5-N7	-2.04	1.35	1.39
160	SS	602	GTP	PG-O2G	-2.04	1.47	1.54
160	JP	602	GTP	C2-N3	2.03	1.38	1.33
160	JL	501	GTP	PG-O3G	-2.03	1.47	1.54
160	SS	602	GTP	PG-O3G	-2.03	1.47	1.54
160	IU	501	GTP	C2-N3	2.03	1.38	1.33
160	JV	501	GTP	C2-N3	2.03	1.38	1.33
158	EB	501	GDP	C4-N9	-2.02	1.32	1.38
160	II	501	GTP	PA-O3A	-2.02	1.57	1.59
160	IG	501	GTP	C5-N7	-2.02	1.35	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
160	VC	501	GTP	PG-O3G	-2.02	1.47	1.54
160	IQ	501	GTP	C2-N3	2.02	1.38	1.33
156	9e	5004	ATP	PB-O3B	-2.01	1.57	1.59
160	VO	501	GTP	PG-O3G	-2.01	1.47	1.54
160	FI	602	GTP	C5-N7	-2.01	1.35	1.39
160	II	501	GTP	PG-O2G	-2.00	1.47	1.54

All (2246) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	FH	501	GDP	C5-C4-N3	-6.51	118.03	128.39
158	ED	501	GDP	C5-C4-N3	-6.34	118.30	128.39
158	AC	501	GDP	C5-C4-N3	-6.28	118.40	128.39
158	FZ	501	GDP	C5-C4-N3	-6.27	118.40	128.39
158	AO	501	GDP	C5-C4-N3	-6.27	118.42	128.39
158	ID	501	GDP	C5-C4-N3	-6.26	118.42	128.39
158	FV	501	GDP	C5-C4-N3	-6.25	118.44	128.39
158	IV	501	GDP	C5-C4-N3	-6.25	118.45	128.39
158	IP	501	GDP	C5-C4-N3	-6.24	118.46	128.39
158	HD	501	GDP	C5-C4-N3	-6.22	118.50	128.39
158	XF	501	GDP	C5-C4-N3	-6.21	118.50	128.39
158	BO	501	GDP	C5-C4-N3	-6.20	118.52	128.39
158	IH	501	GDP	C5-C4-N3	-6.20	118.52	128.39
158	IT	501	GDP	C5-C4-N3	-6.18	118.55	128.39
158	CW	501	GDP	C5-C4-N3	-6.17	118.56	128.39
158	JY	501	GDP	C5-C4-N3	-6.17	118.57	128.39
158	HL	501	GDP	C5-C4-N3	-6.17	118.58	128.39
158	BC	501	GDP	C5-C4-N3	-6.16	118.58	128.39
158	BU	501	GDP	C5-C4-N3	-6.16	118.58	128.39
158	GZ	501	GDP	C5-C4-N3	-6.14	118.61	128.39
158	CK	501	GDP	C5-C4-N3	-6.14	118.62	128.39
158	IL	501	GDP	C5-C4-N3	-6.14	118.62	128.39
158	CS	501	GDP	C5-C4-N3	-6.14	118.62	128.39
158	CU	501	GDP	C5-C4-N3	-6.13	118.64	128.39
158	ET	501	GDP	C5-C4-N3	-6.10	118.68	128.39
158	JK	501	GDP	C5-C4-N3	-6.10	118.68	128.39
158	DV	501	GDP	C5-C4-N3	-6.10	118.68	128.39
157	7e	4701	ADP	C5-C4-N3	-6.10	118.32	126.72
158	JW	501	GDP	C5-C4-N3	-6.09	118.69	128.39
158	IF	501	GDP	C5-C4-N3	-6.08	118.71	128.39
158	JS	501	GDP	C5-C4-N3	-6.08	118.72	128.39
158	JG	501	GDP	C5-C4-N3	-6.08	118.72	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	MQ	501	GDP	C5-C4-N3	-6.07	118.73	128.39
158	FX	501	GDP	C5-C4-N3	-6.06	118.75	128.39
158	JI	501	GDP	C5-C4-N3	-6.02	118.81	128.39
158	ER	501	GDP	C5-C4-N3	-5.99	118.86	128.39
158	WF	501	GDP	C5-C4-N3	-5.99	118.86	128.39
158	IN	501	GDP	C5-C4-N3	-5.98	118.87	128.39
157	8e	4701	ADP	C5-C4-N3	-5.98	118.48	126.72
158	DN	501	GDP	C5-C4-N3	-5.97	118.89	128.39
157	9e	5002	ADP	C5-C4-N3	-5.96	118.51	126.72
157	7a	4703	ADP	C5-C4-N3	-5.95	118.52	126.72
158	DT	501	GDP	C5-C4-N3	-5.92	118.97	128.39
158	WD	501	GDP	C5-C4-N3	-5.92	118.97	128.39
158	WL	501	GDP	C5-C4-N3	-5.86	119.06	128.39
158	EB	501	GDP	C5-C4-N3	-5.85	119.08	128.39
158	WX	501	GDP	C5-C4-N3	-5.83	119.11	128.39
157	9f	4702	ADP	C5-C4-N3	-5.61	119.00	126.72
157	8f	4701	ADP	C5-C4-N3	-5.55	119.07	126.72
157	7f	4701	ADP	C5-C4-N3	-5.55	119.07	126.72
157	7b	4704	ADP	C5-C4-N3	-5.54	119.08	126.72
160	HA	501	GTP	C5-C4-N3	-5.39	119.81	128.39
160	HE	602	GTP	C5-C4-N3	-5.36	119.86	128.39
160	BN	602	GTP	C5-C4-N3	-5.32	119.92	128.39
160	QI	602	GTP	C5-C4-N3	-5.31	119.94	128.39
160	AB	602	GTP	C5-C4-N3	-5.29	119.97	128.39
160	IU	501	GTP	C5-C4-N3	-5.28	119.99	128.39
160	BH	602	GTP	C5-C4-N3	-5.27	120.00	128.39
160	IK	602	GTP	C5-C4-N3	-5.25	120.04	128.39
160	XS	501	GTP	C5-C4-N3	-5.23	120.07	128.39
160	IE	501	GTP	C5-C4-N3	-5.23	120.07	128.39
160	IQ	501	GTP	C5-C4-N3	-5.21	120.09	128.39
158	HD	501	GDP	C2-N3-C4	5.21	121.27	112.30
158	BO	501	GDP	C2-N3-C4	5.20	121.26	112.30
160	HC	602	GTP	C5-C4-N3	-5.19	120.12	128.39
160	Ad	602	GTP	C5-C4-N3	-5.18	120.14	128.39
160	XE	501	GTP	C5-C4-N3	-5.17	120.16	128.39
158	BC	501	GDP	C2-N3-C4	5.15	121.17	112.30
160	EC	501	GTP	C5-C4-N3	-5.15	120.20	128.39
158	AC	501	GDP	C2-N3-C4	5.15	121.16	112.30
160	GA	602	GTP	C5-C4-N3	-5.14	120.21	128.39
158	FX	501	GDP	C2-N3-C4	5.14	121.15	112.30
160	AD	501	GTP	C5-C4-N3	-5.14	120.22	128.39
158	IL	501	GDP	C2-N3-C4	5.12	121.12	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	XO	602	GTP	C5-C4-N3	-5.12	120.24	128.39
160	FW	602	GTP	C5-C4-N3	-5.12	120.25	128.39
160	FG	501	GTP	C5-C4-N3	-5.11	120.25	128.39
158	IT	501	GDP	C2-N3-C4	5.11	121.11	112.30
158	AO	501	GDP	C2-N3-C4	5.11	121.10	112.30
160	FI	602	GTP	C5-C4-N3	-5.11	120.26	128.39
158	IV	501	GDP	C2-N3-C4	5.11	121.09	112.30
160	KZ	602	GTP	C5-C4-N3	-5.10	120.27	128.39
158	GZ	501	GDP	C2-N3-C4	5.10	121.08	112.30
160	CT	602	GTP	C5-C4-N3	-5.10	120.28	128.39
160	IG	501	GTP	C5-C4-N3	-5.10	120.28	128.39
158	HL	501	GDP	C2-N3-C4	5.10	121.08	112.30
158	XF	501	GDP	C2-N3-C4	5.09	121.07	112.30
158	ID	501	GDP	C2-N3-C4	5.09	121.07	112.30
160	FY	501	GTP	C5-C4-N3	-5.09	120.29	128.39
158	FZ	501	GDP	C2-N3-C4	5.09	121.06	112.30
158	ED	501	GDP	C2-N3-C4	5.08	121.06	112.30
158	IH	501	GDP	C2-N3-C4	5.08	121.04	112.30
158	CS	501	GDP	C2-N3-C4	5.07	121.04	112.30
158	JW	501	GDP	C2-N3-C4	5.07	121.04	112.30
160	JR	602	GTP	C5-C4-N3	-5.07	120.32	128.39
158	BU	501	GDP	C2-N3-C4	5.07	121.03	112.30
158	JK	501	GDP	C2-N3-C4	5.07	121.03	112.30
158	CU	501	GDP	C2-N3-C4	5.06	121.01	112.30
158	DV	501	GDP	C2-N3-C4	5.06	121.01	112.30
160	BR	501	GTP	C5-C4-N3	-5.05	120.36	128.39
158	IP	501	GDP	C2-N3-C4	5.05	120.99	112.30
160	BF	602	GTP	C5-C4-N3	-5.04	120.37	128.39
158	CW	501	GDP	C2-N3-C4	5.04	120.98	112.30
158	MQ	501	GDP	C2-N3-C4	5.04	120.97	112.30
160	JH	602	GTP	C5-C4-N3	-5.03	120.38	128.39
160	CL	501	GTP	C5-C4-N3	-5.03	120.38	128.39
158	CK	501	GDP	C2-N3-C4	5.03	120.96	112.30
160	JP	602	GTP	C5-C4-N3	-5.03	120.39	128.39
158	WF	501	GDP	C2-N3-C4	5.03	120.96	112.30
160	CV	501	GTP	C5-C4-N3	-5.02	120.39	128.39
158	FV	501	GDP	C2-N3-C4	5.02	120.95	112.30
158	JG	501	GDP	C2-N3-C4	5.02	120.95	112.30
158	JY	501	GDP	C2-N3-C4	5.02	120.94	112.30
158	IN	501	GDP	C2-N3-C4	5.01	120.94	112.30
160	PC	602	GTP	C5-C4-N3	-5.01	120.42	128.39
158	JS	501	GDP	C2-N3-C4	5.00	120.91	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	EB	501	GDP	C2-N3-C4	4.99	120.89	112.30
158	FH	501	GDP	C2-N3-C4	4.99	120.89	112.30
160	CX	602	GTP	C5-C4-N3	-4.98	120.46	128.39
160	JJ	501	GTP	C5-C4-N3	-4.98	120.46	128.39
158	IF	501	GDP	C2-N3-C4	4.98	120.88	112.30
160	JV	501	GTP	C5-C4-N3	-4.98	120.47	128.39
160	DW	602	GTP	C5-C4-N3	-4.97	120.47	128.39
158	ET	501	GDP	C2-N3-C4	4.96	120.85	112.30
160	ES	501	GTP	C5-C4-N3	-4.95	120.51	128.39
160	DU	501	GTP	C5-C4-N3	-4.95	120.52	128.39
158	JI	501	GDP	C2-N3-C4	4.95	120.82	112.30
160	HA	501	GTP	C2-N3-C4	4.94	120.81	112.30
158	WD	501	GDP	C2-N3-C4	4.93	120.79	112.30
160	WA	602	GTP	C5-C4-N3	-4.92	120.55	128.39
160	JX	501	GTP	C5-C4-N3	-4.91	120.58	128.39
158	WX	501	GDP	C2-N3-C4	4.91	120.75	112.30
158	WL	501	GDP	C2-N3-C4	4.90	120.74	112.30
160	DO	501	GTP	C5-C4-N3	-4.88	120.62	128.39
158	ER	501	GDP	C2-N3-C4	4.88	120.70	112.30
160	DS	602	GTP	C5-C4-N3	-4.86	120.65	128.39
158	DT	501	GDP	C2-N3-C4	4.86	120.67	112.30
158	DN	501	GDP	C2-N3-C4	4.85	120.66	112.30
160	HE	602	GTP	C2-N3-C4	4.83	120.61	112.30
160	AB	602	GTP	C2-N3-C4	4.80	120.57	112.30
158	FH	501	GDP	N9-C4-N3	4.80	135.55	125.95
160	AD	501	GTP	C2-N3-C4	4.78	120.53	112.30
160	HC	602	GTP	C2-N3-C4	4.78	120.53	112.30
160	FY	501	GTP	C2-N3-C4	4.77	120.52	112.30
160	FW	602	GTP	C2-N3-C4	4.77	120.51	112.30
160	Ad	602	GTP	C2-N3-C4	4.76	120.49	112.30
160	QI	602	GTP	C2-N3-C4	4.75	120.48	112.30
160	GA	602	GTP	C2-N3-C4	4.75	120.47	112.30
160	IU	501	GTP	C2-N3-C4	4.75	120.47	112.30
160	BN	602	GTP	C2-N3-C4	4.74	120.47	112.30
160	BF	602	GTP	C2-N3-C4	4.74	120.46	112.30
160	IK	602	GTP	C2-N3-C4	4.74	120.46	112.30
160	BR	501	GTP	C2-N3-C4	4.73	120.45	112.30
160	IQ	501	GTP	C2-N3-C4	4.73	120.44	112.30
160	BH	602	GTP	C2-N3-C4	4.71	120.42	112.30
160	XO	602	GTP	C2-N3-C4	4.71	120.41	112.30
160	IE	501	GTP	C2-N3-C4	4.70	120.40	112.30
160	PC	602	GTP	C2-N3-C4	4.70	120.39	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	XS	501	GTP	C2-N3-C4	4.69	120.39	112.30
157	9e	5002	ADP	N3-C4-N9	4.69	135.14	127.17
157	7e	4701	ADP	N3-C4-N9	4.68	135.13	127.17
160	XE	501	GTP	C2-N3-C4	4.68	120.36	112.30
160	KZ	602	GTP	C2-N3-C4	4.68	120.36	112.30
157	7a	4703	ADP	N3-C4-N9	4.67	135.11	127.17
160	CT	602	GTP	C2-N3-C4	4.66	120.33	112.30
160	IG	501	GTP	C2-N3-C4	4.66	120.32	112.30
160	CV	501	GTP	C2-N3-C4	4.66	120.32	112.30
158	JY	501	GDP	N9-C4-N3	4.65	135.26	125.95
160	JP	602	GTP	C2-N3-C4	4.64	120.29	112.30
160	JR	602	GTP	C2-N3-C4	4.64	120.29	112.30
160	EC	501	GTP	C2-N3-C4	4.63	120.28	112.30
158	ID	501	GDP	N9-C4-N3	4.63	135.20	125.95
157	8e	4701	ADP	N3-C4-N9	4.62	135.03	127.17
160	DW	602	GTP	C2-N3-C4	4.62	120.25	112.30
160	DO	501	GTP	C2-N3-C4	4.62	120.25	112.30
160	JX	501	GTP	C2-N3-C4	4.61	120.24	112.30
160	DU	501	GTP	C2-N3-C4	4.61	120.24	112.30
160	FI	602	GTP	C2-N3-C4	4.60	120.23	112.30
160	WE	602	GTP	C5-C4-N3	-4.60	121.07	128.39
158	IP	501	GDP	N9-C4-N3	4.59	135.13	125.95
160	ES	501	GTP	C2-N3-C4	4.59	120.20	112.30
158	ED	501	GDP	N9-C4-N3	4.58	135.12	125.95
158	AC	501	GDP	N9-C4-N3	4.58	135.11	125.95
160	JH	602	GTP	C2-N3-C4	4.58	120.18	112.30
160	CL	501	GTP	C2-N3-C4	4.57	120.18	112.30
160	FG	501	GTP	C2-N3-C4	4.57	120.17	112.30
160	JJ	501	GTP	C2-N3-C4	4.57	120.16	112.30
158	IV	501	GDP	N9-C4-N3	4.56	135.06	125.95
158	XF	501	GDP	N9-C4-N3	4.55	135.06	125.95
158	JS	501	GDP	N9-C4-N3	4.55	135.05	125.95
160	WA	602	GTP	C2-N3-C4	4.55	120.14	112.30
160	JV	501	GTP	C2-N3-C4	4.55	120.13	112.30
158	FZ	501	GDP	N9-C4-N3	4.54	135.04	125.95
158	FV	501	GDP	N9-C4-N3	4.54	135.03	125.95
158	CW	501	GDP	N9-C4-N3	4.54	135.03	125.95
158	BU	501	GDP	N9-C4-N3	4.54	135.02	125.95
158	JG	501	GDP	N9-C4-N3	4.53	135.02	125.95
160	DS	602	GTP	C2-N3-C4	4.53	120.10	112.30
160	CX	602	GTP	C2-N3-C4	4.52	120.09	112.30
158	CS	501	GDP	N9-C4-N3	4.52	134.99	125.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	AO	501	GDP	N9-C4-N3	4.51	134.97	125.95
158	IL	501	GDP	N9-C4-N3	4.51	134.97	125.95
158	CK	501	GDP	N9-C4-N3	4.50	134.95	125.95
158	ET	501	GDP	N9-C4-N3	4.49	134.94	125.95
158	IF	501	GDP	N9-C4-N3	4.49	134.93	125.95
158	BC	501	GDP	N9-C4-N3	4.49	134.92	125.95
158	IH	501	GDP	N9-C4-N3	4.48	134.92	125.95
158	IT	501	GDP	N9-C4-N3	4.48	134.90	125.95
158	DV	501	GDP	N9-C4-N3	4.47	134.90	125.95
158	BO	501	GDP	N9-C4-N3	4.46	134.87	125.95
158	HD	501	GDP	N9-C4-N3	4.46	134.86	125.95
158	JI	501	GDP	N9-C4-N3	4.45	134.86	125.95
160	WE	602	GTP	C2-N3-C4	4.45	119.96	112.30
158	MQ	501	GDP	N9-C4-N3	4.44	134.83	125.95
158	JW	501	GDP	N9-C4-N3	4.43	134.82	125.95
158	JK	501	GDP	N9-C4-N3	4.41	134.77	125.95
158	CU	501	GDP	N9-C4-N3	4.41	134.76	125.95
158	ER	501	GDP	N9-C4-N3	4.40	134.75	125.95
158	HL	501	GDP	N9-C4-N3	4.37	134.70	125.95
158	GZ	501	GDP	N9-C4-N3	4.37	134.68	125.95
158	DT	501	GDP	N9-C4-N3	4.36	134.68	125.95
158	FX	501	GDP	N9-C4-N3	4.36	134.67	125.95
158	WL	501	GDP	N9-C4-N3	4.35	134.66	125.95
157	7b	4704	ADP	N3-C4-N9	4.34	134.56	127.17
158	DN	501	GDP	N9-C4-N3	4.34	134.63	125.95
158	WD	501	GDP	N9-C4-N3	4.33	134.61	125.95
158	WX	501	GDP	N9-C4-N3	4.33	134.61	125.95
157	9f	4702	ADP	N3-C4-N9	4.32	134.51	127.17
158	WF	501	GDP	N9-C4-N3	4.31	134.57	125.95
158	IN	501	GDP	N9-C4-N3	4.31	134.56	125.95
157	8f	4701	ADP	N3-C4-N9	4.31	134.49	127.17
157	7f	4701	ADP	N3-C4-N9	4.27	134.43	127.17
158	EB	501	GDP	N9-C4-N3	4.21	134.36	125.95
157	7e	4701	ADP	C2-N3-C4	3.77	121.03	111.83
157	7a	4703	ADP	C2-N3-C4	3.71	120.88	111.83
157	8e	4701	ADP	C2-N3-C4	3.71	120.88	111.83
157	9e	5002	ADP	C2-N3-C4	3.70	120.86	111.83
157	9f	4702	ADP	C2-N3-C4	3.61	120.66	111.83
157	8f	4701	ADP	C2-N3-C4	3.61	120.66	111.83
157	7f	4701	ADP	C4-C5-N7	-3.58	106.49	110.58
157	7f	4701	ADP	C2-N3-C4	3.57	120.56	111.83
157	7b	4704	ADP	C2-N3-C4	3.57	120.54	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
157	9f	4702	ADP	C4-C5-N7	-3.54	106.53	110.58
157	8f	4701	ADP	C4-C5-N7	-3.52	106.56	110.58
157	7e	4701	ADP	C4-C5-N7	-3.51	106.56	110.58
158	WF	501	GDP	C6-C5-N7	3.51	136.68	130.29
158	BO	501	GDP	C6-C5-N7	3.49	136.65	130.29
157	7b	4704	ADP	C4-C5-N7	-3.49	106.59	110.58
158	EB	501	GDP	C6-C5-N7	3.49	136.64	130.29
158	HL	501	GDP	C6-C5-N7	3.46	136.59	130.29
158	TW	501	GDP	C5-C4-N3	-3.46	122.88	128.39
158	RZ	501	GDP	C5-C4-N3	-3.46	122.89	128.39
158	GZ	501	GDP	C6-C5-N7	3.45	136.57	130.29
158	FX	501	GDP	C6-C5-N7	3.44	136.56	130.29
157	8e	4701	ADP	C4-C5-N7	-3.44	106.65	110.58
158	TS	501	GDP	C5-C4-N3	-3.44	122.92	128.39
158	FT	501	GDP	C5-C4-N3	-3.43	122.92	128.39
160	QI	602	GTP	N9-C4-N3	3.42	132.79	125.95
158	EV	501	GDP	C5-C4-N3	-3.42	122.95	128.39
158	HD	501	GDP	C6-C5-N7	3.41	136.50	130.29
158	Ao	501	GDP	C5-C4-N3	-3.41	122.97	128.39
158	RN	501	GDP	C5-C4-N3	-3.40	122.97	128.39
160	IU	501	GTP	N9-C4-N3	3.40	132.75	125.95
158	UQ	501	GDP	C5-C4-N3	-3.40	122.98	128.39
158	YQ	501	GDP	C5-C4-N3	-3.40	122.98	128.39
160	BN	602	GTP	N9-C4-N3	3.40	132.74	125.95
158	CU	501	GDP	C6-C5-N7	3.39	136.45	130.29
158	SL	501	GDP	C5-C4-N3	-3.38	123.00	128.39
158	BC	501	GDP	C6-C5-N7	3.38	136.45	130.29
157	9e	5002	ADP	C4-C5-N7	-3.38	106.71	110.58
158	SB	501	GDP	C5-C4-N3	-3.38	123.01	128.39
158	DV	501	GDP	C6-C5-N7	3.38	136.44	130.29
158	Ac	501	GDP	C5-C4-N3	-3.38	123.01	128.39
158	NA	501	GDP	C5-C4-N3	-3.38	123.01	128.39
158	UE	501	GDP	C5-C4-N3	-3.38	123.01	128.39
158	IN	501	GDP	C6-C5-N7	3.38	136.43	130.29
158	ZQ	501	GDP	C5-C4-N3	-3.37	123.03	128.39
158	JW	501	GDP	C6-C5-N7	3.37	136.42	130.29
158	UU	501	GDP	C5-C4-N3	-3.36	123.04	128.39
158	DR	501	GDP	C5-C4-N3	-3.36	123.05	128.39
158	NM	501	GDP	C5-C4-N3	-3.36	123.05	128.39
157	7a	4703	ADP	C4-C5-N7	-3.35	106.75	110.58
158	FJ	501	GDP	C5-C4-N3	-3.35	123.05	128.39
160	BH	602	GTP	N9-C4-N3	3.35	132.65	125.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	IK	602	GTP	N9-C4-N3	3.35	132.65	125.95
160	EC	501	GTP	N9-C4-N3	3.35	132.65	125.95
158	ZC	501	GDP	C5-C4-N3	-3.34	123.07	128.39
157	8f	4701	ADP	N3-C2-N1	-3.34	123.53	128.58
158	JK	501	GDP	C6-C5-N7	3.34	136.36	130.29
160	IM	602	GTP	C5-C4-N3	-3.33	123.08	128.39
158	MG	501	GDP	C5-C4-N3	-3.33	123.09	128.39
158	WL	501	GDP	C6-C5-N7	3.33	136.35	130.29
158	KM	501	GDP	C5-C4-N3	-3.33	123.09	128.39
157	9f	4702	ADP	N3-C2-N1	-3.33	123.55	128.58
158	YF	501	GDP	C5-C4-N3	-3.33	123.09	128.39
158	LW	501	GDP	C5-C4-N3	-3.32	123.10	128.39
158	WX	501	GDP	C6-C5-N7	3.32	136.34	130.29
158	MI	501	GDP	C5-C4-N3	-3.32	123.11	128.39
158	HF	501	GDP	C5-C4-N3	-3.32	123.11	128.39
160	IY	501	GTP	C5-C4-N3	-3.32	123.11	128.39
158	FV	501	GDP	C6-C5-N7	3.32	136.33	130.29
158	IJ	501	GDP	C5-C4-N3	-3.32	123.11	128.39
160	HE	602	GTP	N9-C4-N3	3.31	132.58	125.95
158	PN	501	GDP	C5-C4-N3	-3.31	123.12	128.39
158	JB	501	GDP	C5-C4-N3	-3.31	123.12	128.39
158	LK	501	GDP	C5-C4-N3	-3.31	123.12	128.39
158	WD	501	GDP	C6-C5-N7	3.31	136.32	130.29
158	AI	501	GDP	C5-C4-N3	-3.31	123.12	128.39
158	AU	501	GDP	C5-C4-N3	-3.31	123.12	128.39
160	IE	501	GTP	N9-C4-N3	3.31	132.57	125.95
158	GL	501	GDP	C5-C4-N3	-3.31	123.13	128.39
158	RP	501	GDP	C5-C4-N3	-3.31	123.13	128.39
158	EX	501	GDP	C5-C4-N3	-3.31	123.13	128.39
160	IW	501	GTP	C5-C4-N3	-3.30	123.13	128.39
160	CT	602	GTP	N9-C4-N3	3.30	132.56	125.95
158	AQ	501	GDP	C5-C4-N3	-3.30	123.14	128.39
158	HR	501	GDP	C5-C4-N3	-3.30	123.14	128.39
158	LU	501	GDP	C5-C4-N3	-3.30	123.14	128.39
158	MO	501	GDP	C5-C4-N3	-3.30	123.14	128.39
160	XE	501	GTP	N9-C4-N3	3.30	132.54	125.95
158	XT	501	GDP	C5-C4-N3	-3.30	123.14	128.39
160	IQ	501	GTP	N9-C4-N3	3.30	132.54	125.95
158	XR	501	GDP	C5-C4-N3	-3.30	123.14	128.39
158	GT	501	GDP	C5-C4-N3	-3.29	123.15	128.39
158	VP	501	GDP	C5-C4-N3	-3.29	123.15	128.39
158	ZM	501	GDP	C5-C4-N3	-3.29	123.15	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	HA	501	GTP	N9-C4-N3	3.29	132.54	125.95
158	CO	501	GDP	C5-C4-N3	-3.29	123.15	128.39
158	XX	501	GDP	C5-C4-N3	-3.29	123.15	128.39
160	JR	602	GTP	N9-C4-N3	3.29	132.54	125.95
158	QD	501	GDP	C5-C4-N3	-3.29	123.15	128.39
158	IL	501	GDP	C6-C5-N7	3.29	136.28	130.29
158	BA	501	GDP	C5-C4-N3	-3.29	123.16	128.39
158	KE	501	GDP	C5-C4-N3	-3.29	123.16	128.39
158	SH	501	GDP	C5-C4-N3	-3.29	123.16	128.39
158	DT	501	GDP	C6-C5-N7	3.29	136.27	130.29
158	CM	501	GDP	C5-C4-N3	-3.29	123.16	128.39
158	BU	501	GDP	C6-C5-N7	3.29	136.27	130.29
158	DE	501	GDP	C5-C4-N3	-3.28	123.16	128.39
160	AB	602	GTP	N9-C4-N3	3.28	132.52	125.95
158	FZ	501	GDP	C6-C5-N7	3.28	136.26	130.29
158	CQ	501	GDP	C5-C4-N3	-3.28	123.16	128.39
158	GX	501	GDP	C5-C4-N3	-3.28	123.16	128.39
157	7f	4701	ADP	N3-C2-N1	-3.28	123.61	128.58
158	MQ	501	GDP	C6-C5-N7	3.28	136.26	130.29
158	LE	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	JI	501	GDP	C6-C5-N7	3.28	136.26	130.29
158	Aa	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	PJ	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	QX	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	LM	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	ZA	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	LO	501	GDP	C5-C4-N3	-3.28	123.17	128.39
158	AO	501	GDP	C6-C5-N7	3.28	136.25	130.29
158	QT	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	PZ	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	ZE	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	LI	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	CE	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	QL	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	KK	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	DK	501	GDP	C5-C4-N3	-3.27	123.18	128.39
158	MA	501	GDP	C5-C4-N3	-3.27	123.18	128.39
157	7b	4704	ADP	N3-C2-N1	-3.27	123.63	128.58
158	YS	501	GDP	C5-C4-N3	-3.27	123.19	128.39
158	AC	501	GDP	C6-C5-N7	3.27	136.24	130.29
158	MM	501	GDP	C5-C4-N3	-3.27	123.19	128.39
158	RF	501	GDP	C5-C4-N3	-3.27	123.19	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	CL	501	GTP	N9-C4-N3	3.26	132.48	125.95
158	BG	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	Ak	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	LG	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	YD	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	GD	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	UI	501	GDP	C5-C4-N3	-3.26	123.20	128.39
158	VH	501	GDP	C5-C4-N3	-3.26	123.21	128.39
160	GS	602	GTP	C5-C4-N3	-3.25	123.21	128.39
158	CK	501	GDP	C6-C5-N7	3.25	136.21	130.29
158	IH	501	GDP	C6-C5-N7	3.25	136.21	130.29
158	XL	501	GDP	C5-C4-N3	-3.25	123.21	128.39
158	VB	501	GDP	C5-C4-N3	-3.25	123.22	128.39
158	ER	501	GDP	C6-C5-N7	3.25	136.20	130.29
160	KZ	602	GTP	N9-C4-N3	3.25	132.45	125.95
158	PV	501	GDP	C5-C4-N3	-3.25	123.22	128.39
160	JA	501	GTP	C5-C4-N3	-3.25	123.22	128.39
158	YY	501	GDP	C5-C4-N3	-3.25	123.22	128.39
158	BS	501	GDP	C5-C4-N3	-3.25	123.22	128.39
160	GG	501	GTP	C5-C4-N3	-3.25	123.22	128.39
158	KS	501	GDP	C5-C4-N3	-3.24	123.22	128.39
158	IX	501	GDP	C5-C4-N3	-3.24	123.23	128.39
158	RJ	501	GDP	C5-C4-N3	-3.24	123.23	128.39
158	PF	501	GDP	C5-C4-N3	-3.24	123.23	128.39
158	PR	501	GDP	C5-C4-N3	-3.24	123.23	128.39
158	XH	501	GDP	C5-C4-N3	-3.24	123.23	128.39
160	QU	602	GTP	C5-C4-N3	-3.24	123.24	128.39
158	DN	501	GDP	C6-C5-N7	3.24	136.18	130.29
158	JM	501	GDP	C5-C4-N3	-3.23	123.24	128.39
160	XS	501	GTP	N9-C4-N3	3.23	132.42	125.95
157	7a	4703	ADP	N3-C2-N1	-3.23	123.69	128.58
158	NC	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	YO	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	XP	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	IB	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	YB	501	GDP	C5-C4-N3	-3.23	123.25	128.39
160	HQ	602	GTP	C5-C4-N3	-3.23	123.25	128.39
158	DA	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	CS	501	GDP	C6-C5-N7	3.23	136.17	130.29
158	OC	501	GDP	C5-C4-N3	-3.23	123.25	128.39
158	NO	501	GDP	C5-C4-N3	-3.22	123.26	128.39
158	CW	501	GDP	C6-C5-N7	3.22	136.16	130.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	DI	501	GDP	C5-C4-N3	-3.22	123.26	128.39
160	FI	602	GTP	N9-C4-N3	3.22	132.40	125.95
158	ZU	501	GDP	C5-C4-N3	-3.22	123.26	128.39
158	JF	501	GDP	C5-C4-N3	-3.22	123.26	128.39
158	ZO	501	GDP	C5-C4-N3	-3.22	123.26	128.39
160	KN	602	GTP	C5-C4-N3	-3.22	123.26	128.39
158	MC	501	GDP	C5-C4-N3	-3.22	123.26	128.39
158	VD	501	GDP	C5-C4-N3	-3.22	123.26	128.39
160	AR	602	GTP	C5-C4-N3	-3.22	123.26	128.39
158	Ag	501	GDP	C5-C4-N3	-3.22	123.27	128.39
158	KO	501	GDP	C5-C4-N3	-3.22	123.27	128.39
160	CX	602	GTP	N9-C4-N3	3.22	132.39	125.95
158	ZK	501	GDP	C5-C4-N3	-3.22	123.27	128.39
158	DC	501	GDP	C5-C4-N3	-3.22	123.27	128.39
158	NS	501	GDP	C5-C4-N3	-3.21	123.27	128.39
158	AK	501	GDP	C5-C4-N3	-3.21	123.28	128.39
158	IZ	501	GDP	C5-C4-N3	-3.21	123.28	128.39
158	MU	501	GDP	C5-C4-N3	-3.21	123.28	128.39
160	JH	602	GTP	N9-C4-N3	3.21	132.38	125.95
158	RX	501	GDP	C5-C4-N3	-3.21	123.28	128.39
158	XV	501	GDP	C5-C4-N3	-3.21	123.28	128.39
157	7e	4701	ADP	N3-C2-N1	-3.21	123.72	128.58
158	KG	501	GDP	C5-C4-N3	-3.21	123.28	128.39
158	Am	501	GDP	C5-C4-N3	-3.21	123.28	128.39
160	AL	602	GTP	C5-C4-N3	-3.21	123.28	128.39
158	KI	501	GDP	C5-C4-N3	-3.21	123.28	128.39
158	IT	501	GDP	C6-C5-N7	3.21	136.13	130.29
158	XF	501	GDP	C6-C5-N7	3.21	136.13	130.29
158	TB	501	GDP	C5-C4-N3	-3.21	123.29	128.39
158	CA	501	GDP	C5-C4-N3	-3.21	123.29	128.39
158	LQ	501	GDP	C5-C4-N3	-3.21	123.29	128.39
160	YC	501	GTP	C5-C4-N3	-3.21	123.29	128.39
158	QH	501	GDP	C5-C4-N3	-3.20	123.29	128.39
158	SZ	501	GDP	C5-C4-N3	-3.20	123.29	128.39
158	PL	501	GDP	C5-C4-N3	-3.20	123.29	128.39
160	QM	501	GTP	C5-C4-N3	-3.20	123.29	128.39
158	OO	501	GDP	C5-C4-N3	-3.20	123.29	128.39
158	UC	501	GDP	C5-C4-N3	-3.20	123.29	128.39
157	8e	4701	ADP	N3-C2-N1	-3.20	123.74	128.58
157	9e	5002	ADP	N3-C2-N1	-3.20	123.74	128.58
160	IG	501	GTP	N9-C4-N3	3.20	132.35	125.95
158	YH	501	GDP	C5-C4-N3	-3.20	123.30	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	ET	501	GDP	C6-C5-N7	3.20	136.11	130.29
158	NK	501	GDP	C5-C4-N3	-3.20	123.30	128.39
160	QY	501	GTP	C5-C4-N3	-3.20	123.30	128.39
158	CY	501	GDP	C5-C4-N3	-3.20	123.30	128.39
158	OS	501	GDP	C5-C4-N3	-3.20	123.30	128.39
158	HT	501	GDP	C5-C4-N3	-3.19	123.31	128.39
160	HY	501	GTP	C5-C4-N3	-3.19	123.31	128.39
160	XQ	501	GTP	C5-C4-N3	-3.19	123.31	128.39
160	CV	501	GTP	N9-C4-N3	3.19	132.34	125.95
158	RV	501	GDP	C5-C4-N3	-3.19	123.31	128.39
160	BL	501	GTP	C5-C4-N3	-3.19	123.31	128.39
158	VR	501	GDP	C5-C4-N3	-3.19	123.31	128.39
160	FY	501	GTP	C2-N1-C6	-3.19	119.33	125.11
160	FG	501	GTP	C2-N1-C6	-3.19	119.33	125.11
158	MK	501	GDP	C5-C4-N3	-3.19	123.31	128.39
158	NY	501	GDP	C5-C4-N3	-3.19	123.31	128.39
158	GF	501	GDP	C5-C4-N3	-3.19	123.31	128.39
158	PA	501	GDP	C5-C4-N3	-3.19	123.31	128.39
158	GB	501	GDP	C5-C4-N3	-3.19	123.32	128.39
158	NG	501	GDP	C5-C4-N3	-3.19	123.32	128.39
158	ME	501	GDP	C5-C4-N3	-3.19	123.32	128.39
160	Af	501	GTP	C5-C4-N3	-3.19	123.32	128.39
160	AF	501	GTP	C5-C4-N3	-3.18	123.32	128.39
160	AD	501	GTP	N9-C4-N3	3.18	132.32	125.95
158	AM	501	GDP	C5-C4-N3	-3.18	123.32	128.39
158	GH	501	GDP	C5-C4-N3	-3.18	123.32	128.39
158	ZY	501	GDP	C5-C4-N3	-3.18	123.32	128.39
158	RR	501	GDP	C5-C4-N3	-3.18	123.33	128.39
160	RG	501	GTP	C5-C4-N3	-3.18	123.33	128.39
160	XO	602	GTP	N9-C4-N3	3.18	132.31	125.95
158	KY	501	GDP	C5-C4-N3	-3.18	123.33	128.39
160	BD	602	GTP	C5-C4-N3	-3.18	123.33	128.39
158	UO	501	GDP	C5-C4-N3	-3.18	123.33	128.39
158	TP	501	GDP	C5-C4-N3	-3.18	123.33	128.39
160	RE	501	GTP	C5-C4-N3	-3.18	123.33	128.39
158	VF	501	GDP	C5-C4-N3	-3.18	123.33	128.39
158	JU	501	GDP	C5-C4-N3	-3.18	123.33	128.39
158	KU	501	GDP	C5-C4-N3	-3.18	123.33	128.39
160	JJ	501	GTP	N9-C4-N3	3.18	132.30	125.95
160	JP	602	GTP	N9-C4-N3	3.17	132.30	125.95
160	QG	602	GTP	C5-C4-N3	-3.17	123.34	128.39
158	HP	501	GDP	C5-C4-N3	-3.17	123.34	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	MY	501	GDP	C5-C4-N3	-3.17	123.34	128.39
158	LS	501	GDP	C5-C4-N3	-3.17	123.34	128.39
160	Ab	501	GTP	C5-C4-N3	-3.17	123.34	128.39
158	NQ	501	GDP	C5-C4-N3	-3.17	123.34	128.39
158	OU	501	GDP	C5-C4-N3	-3.17	123.34	128.39
158	IF	501	GDP	C6-C5-N7	3.17	136.06	130.29
160	BN	602	GTP	C2-N1-C6	-3.17	119.36	125.11
160	LL	501	GTP	C5-C4-N3	-3.17	123.34	128.39
160	An	602	GTP	C5-C4-N3	-3.17	123.34	128.39
158	ID	501	GDP	C6-C5-N7	3.17	136.06	130.29
158	OE	501	GDP	C5-C4-N3	-3.17	123.35	128.39
158	AW	501	GDP	C5-C4-N3	-3.17	123.35	128.39
160	Ad	602	GTP	N9-C4-N3	3.17	132.29	125.95
160	ZP	501	GTP	C5-C4-N3	-3.17	123.35	128.39
158	IR	501	GDP	C5-C4-N3	-3.17	123.35	128.39
158	LY	501	GDP	C5-C4-N3	-3.17	123.35	128.39
158	YU	501	GDP	C5-C4-N3	-3.17	123.35	128.39
160	LJ	501	GTP	C5-C4-N3	-3.17	123.35	128.39
160	EY	501	GTP	C5-C4-N3	-3.16	123.35	128.39
158	BQ	501	GDP	C5-C4-N3	-3.16	123.36	128.39
158	WH	501	GDP	C5-C4-N3	-3.16	123.36	128.39
160	Aj	501	GTP	C5-C4-N3	-3.16	123.36	128.39
158	TL	501	GDP	C5-C4-N3	-3.16	123.36	128.39
158	SD	501	GDP	C5-C4-N3	-3.16	123.36	128.39
160	AX	501	GTP	C5-C4-N3	-3.16	123.36	128.39
158	OG	501	GDP	C5-C4-N3	-3.16	123.36	128.39
158	SV	501	GDP	C5-C4-N3	-3.16	123.36	128.39
160	AN	501	GTP	C5-C4-N3	-3.16	123.36	128.39
158	ED	501	GDP	C6-C5-N7	3.16	136.04	130.29
158	JG	501	GDP	C6-C5-N7	3.16	136.04	130.29
160	BT	602	GTP	C5-C4-N3	-3.16	123.36	128.39
158	JS	501	GDP	C6-C5-N7	3.16	136.04	130.29
160	OP	501	GTP	C5-C4-N3	-3.16	123.37	128.39
158	VZ	501	GDP	C5-C4-N3	-3.16	123.37	128.39
158	BK	501	GDP	C5-C4-N3	-3.15	123.37	128.39
160	CF	501	GTP	C5-C4-N3	-3.15	123.37	128.39
160	ZT	602	GTP	C5-C4-N3	-3.15	123.37	128.39
158	Ai	501	GDP	C5-C4-N3	-3.15	123.37	128.39
158	SP	501	GDP	C5-C4-N3	-3.15	123.37	128.39
158	YM	501	GDP	C5-C4-N3	-3.15	123.37	128.39
158	QN	501	GDP	C5-C4-N3	-3.15	123.37	128.39
160	UH	501	GTP	C5-C4-N3	-3.15	123.37	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	HA	501	GTP	C2-N1-C6	-3.15	119.39	125.11
158	KQ	501	GDP	C5-C4-N3	-3.15	123.38	128.39
158	NE	501	GDP	C5-C4-N3	-3.15	123.38	128.39
158	VN	501	GDP	C5-C4-N3	-3.15	123.38	128.39
158	GP	501	GDP	C5-C4-N3	-3.15	123.38	128.39
158	DG	501	GDP	C5-C4-N3	-3.15	123.38	128.39
160	IU	501	GTP	C2-N1-C6	-3.15	119.40	125.11
158	EJ	501	GDP	C5-C4-N3	-3.15	123.38	128.39
158	IP	501	GDP	C6-C5-N7	3.15	136.01	130.29
160	YE	602	GTP	C5-C4-N3	-3.15	123.38	128.39
160	JV	501	GTP	N9-C4-N3	3.14	132.24	125.95
158	WT	501	GDP	C5-C4-N3	-3.14	123.39	128.39
160	HM	602	GTP	C5-C4-N3	-3.14	123.39	128.39
158	BM	501	GDP	C5-C4-N3	-3.14	123.39	128.39
160	YV	602	GTP	C5-C4-N3	-3.14	123.39	128.39
160	FW	602	GTP	N9-C4-N3	3.14	132.24	125.95
158	OI	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	TN	501	GDP	C5-C4-N3	-3.14	123.39	128.39
160	RA	602	GTP	C5-C4-N3	-3.14	123.39	128.39
158	VT	501	GDP	C5-C4-N3	-3.14	123.39	128.39
160	FG	501	GTP	N9-C4-N3	3.14	132.23	125.95
158	GN	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	VV	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	ST	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	AA	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	SJ	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	BW	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	GJ	501	GDP	C5-C4-N3	-3.14	123.39	128.39
158	OW	501	GDP	C5-C4-N3	-3.14	123.39	128.39
160	GA	602	GTP	N9-C4-N3	3.14	132.23	125.95
160	FW	602	GTP	C2-N1-C6	-3.14	119.42	125.11
160	WA	602	GTP	N9-C4-N3	3.13	132.22	125.95
160	ZN	602	GTP	C5-C4-N3	-3.13	123.40	128.39
158	GR	501	GDP	C5-C4-N3	-3.13	123.40	128.39
158	PX	501	GDP	C5-C4-N3	-3.13	123.40	128.39
158	TY	501	GDP	C5-C4-N3	-3.13	123.40	128.39
160	JC	501	GTP	C5-C4-N3	-3.13	123.40	128.39
158	OQ	501	GDP	C5-C4-N3	-3.13	123.41	128.39
158	SN	501	GDP	C5-C4-N3	-3.13	123.41	128.39
160	QW	501	GTP	C5-C4-N3	-3.13	123.41	128.39
160	KL	602	GTP	C5-C4-N3	-3.13	123.41	128.39
160	BZ	501	GTP	C5-C4-N3	-3.13	123.41	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	HH	501	GDP	C5-C4-N3	-3.13	123.41	128.39
160	QO	602	GTP	C5-C4-N3	-3.13	123.41	128.39
158	AE	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	LA	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	UA	501	GDP	C5-C4-N3	-3.12	123.42	128.39
160	TK	501	GTP	C5-C4-N3	-3.12	123.42	128.39
160	RS	501	GTP	C5-C4-N3	-3.12	123.42	128.39
158	EH	501	GDP	C5-C4-N3	-3.12	123.42	128.39
160	GE	602	GTP	C5-C4-N3	-3.12	123.42	128.39
160	QS	501	GTP	C5-C4-N3	-3.12	123.42	128.39
158	FB	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	FN	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	UX	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	ZG	501	GDP	C5-C4-N3	-3.12	123.42	128.39
160	BX	602	GTP	C5-C4-N3	-3.12	123.42	128.39
158	RB	501	GDP	C5-C4-N3	-3.12	123.42	128.39
158	FF	501	GDP	C5-C4-N3	-3.12	123.43	128.39
160	KR	602	GTP	C5-C4-N3	-3.12	123.43	128.39
160	SM	501	GTP	C5-C4-N3	-3.12	123.43	128.39
158	FP	501	GDP	C5-C4-N3	-3.12	123.43	128.39
158	XB	501	GDP	C5-C4-N3	-3.12	123.43	128.39
160	AP	602	GTP	C5-C4-N3	-3.12	123.43	128.39
160	TZ	602	GTP	C5-C4-N3	-3.12	123.43	128.39
160	ZF	602	GTP	C5-C4-N3	-3.12	123.43	128.39
158	ZW	501	GDP	C5-C4-N3	-3.12	123.43	128.39
160	BJ	602	GTP	C5-C4-N3	-3.12	123.43	128.39
158	AY	501	GDP	C5-C4-N3	-3.11	123.43	128.39
160	FK	501	GTP	C5-C4-N3	-3.11	123.43	128.39
158	OK	501	GDP	C5-C4-N3	-3.11	123.43	128.39
160	AZ	501	GTP	C5-C4-N3	-3.11	123.43	128.39
158	SR	501	GDP	C5-C4-N3	-3.11	123.44	128.39
158	JD	501	GDP	C5-C4-N3	-3.11	123.44	128.39
160	ZH	501	GTP	C5-C4-N3	-3.11	123.44	128.39
158	TH	501	GDP	C5-C4-N3	-3.11	123.44	128.39
160	LV	502	GTP	C5-C4-N3	-3.11	123.44	128.39
158	PP	501	GDP	C5-C4-N3	-3.11	123.44	128.39
160	CI	501	GTP	C5-C4-N3	-3.11	123.44	128.39
160	NH	502	GTP	C5-C4-N3	-3.11	123.44	128.39
160	UR	501	GTP	C5-C4-N3	-3.11	123.44	128.39
160	JX	501	GTP	N9-C4-N3	3.11	132.17	125.95
158	RL	501	GDP	C5-C4-N3	-3.11	123.44	128.39
160	YA	602	GTP	C5-C4-N3	-3.11	123.44	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	UK	501	GDP	C5-C4-N3	-3.11	123.45	128.39
160	IS	501	GTP	C5-C4-N3	-3.11	123.45	128.39
160	FY	501	GTP	N9-C4-N3	3.10	132.16	125.95
158	DX	501	GDP	C5-C4-N3	-3.10	123.45	128.39
160	HG	501	GTP	C5-C4-N3	-3.10	123.45	128.39
160	DW	602	GTP	N9-C4-N3	3.10	132.16	125.95
158	KW	501	GDP	C5-C4-N3	-3.10	123.45	128.39
158	RT	501	GDP	C5-C4-N3	-3.10	123.45	128.39
160	GQ	602	GTP	C5-C4-N3	-3.10	123.45	128.39
160	IE	501	GTP	C2-N1-C6	-3.10	119.48	125.11
158	BY	501	GDP	C5-C4-N3	-3.10	123.45	128.39
160	XG	602	GTP	C5-C4-N3	-3.10	123.45	128.39
160	JE	501	GTP	C5-C4-N3	-3.10	123.45	128.39
158	US	501	GDP	C5-C4-N3	-3.10	123.46	128.39
158	NU	501	GDP	C5-C4-N3	-3.10	123.46	128.39
158	QP	501	GDP	C5-C4-N3	-3.10	123.46	128.39
160	MH	501	GTP	C5-C4-N3	-3.10	123.46	128.39
158	UG	501	GDP	C5-C4-N3	-3.10	123.46	128.39
160	MF	602	GTP	C5-C4-N3	-3.10	123.46	128.39
160	ZX	501	GTP	C5-C4-N3	-3.10	123.46	128.39
158	CC	501	GDP	C5-C4-N3	-3.10	123.46	128.39
160	NX	501	GTP	C5-C4-N3	-3.10	123.46	128.39
160	RO	602	GTP	C5-C4-N3	-3.10	123.46	128.39
158	MW	501	GDP	C5-C4-N3	-3.10	123.46	128.39
160	LH	501	GTP	C5-C4-N3	-3.10	123.46	128.39
160	QK	602	GTP	C5-C4-N3	-3.10	123.46	128.39
158	JY	501	GDP	C6-C5-N7	3.10	135.92	130.29
158	LC	501	GDP	C5-C4-N3	-3.10	123.46	128.39
160	ZR	602	GTP	C5-C4-N3	-3.10	123.46	128.39
160	KZ	602	GTP	C2-N1-C6	-3.09	119.50	125.11
160	IA	501	GTP	C5-C4-N3	-3.09	123.47	128.39
160	HC	602	GTP	C2-N1-C6	-3.09	119.50	125.11
160	HO	501	GTP	C5-C4-N3	-3.09	123.47	128.39
158	HX	501	GDP	C5-C4-N3	-3.09	123.47	128.39
160	MV	502	GTP	C5-C4-N3	-3.09	123.47	128.39
160	HC	602	GTP	N9-C4-N3	3.09	132.13	125.95
158	TF	501	GDP	C5-C4-N3	-3.09	123.47	128.39
160	SY	602	GTP	C5-C4-N3	-3.09	123.47	128.39
160	Ap	501	GTP	C5-C4-N3	-3.09	123.48	128.39
158	VX	501	GDP	C5-C4-N3	-3.08	123.48	128.39
160	XE	501	GTP	C2-N1-C6	-3.08	119.52	125.11
160	FM	501	GTP	C5-C4-N3	-3.08	123.48	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	TV	501	GTP	C5-C4-N3	-3.08	123.48	128.39
158	VJ	501	GDP	C5-C4-N3	-3.08	123.48	128.39
160	MR	602	GTP	C5-C4-N3	-3.08	123.48	128.39
160	YJ	602	GTP	C5-C4-N3	-3.08	123.48	128.39
160	BP	501	GTP	C5-C4-N3	-3.08	123.48	128.39
160	BV	602	GTP	C5-C4-N3	-3.08	123.48	128.39
160	Ad	602	GTP	C2-N1-C6	-3.08	119.52	125.11
158	TU	501	GDP	C5-C4-N3	-3.08	123.49	128.39
160	RQ	501	GTP	C5-C4-N3	-3.08	123.49	128.39
160	ZZ	501	GTP	C5-C4-N3	-3.08	123.49	128.39
160	PQ	501	GTP	C5-C4-N3	-3.08	123.49	128.39
160	IG	501	GTP	C2-N1-C6	-3.08	119.53	125.11
160	LD	602	GTP	C5-C4-N3	-3.08	123.49	128.39
158	QZ	501	GDP	C5-C4-N3	-3.08	123.49	128.39
160	UN	602	GTP	C5-C4-N3	-3.08	123.49	128.39
158	IV	501	GDP	C6-C5-N7	3.07	135.88	130.29
158	QB	501	GDP	C5-C4-N3	-3.07	123.50	128.39
160	SE	501	GTP	C5-C4-N3	-3.07	123.50	128.39
160	IO	501	GTP	O3B-PB-O1B	-3.07	101.46	110.70
160	RC	501	GTP	C5-C4-N3	-3.07	123.50	128.39
160	BR	501	GTP	N9-C4-N3	3.07	132.09	125.95
160	ZV	602	GTP	C5-C4-N3	-3.07	123.50	128.39
160	NL	602	GTP	C5-C4-N3	-3.07	123.50	128.39
158	NI	501	GDP	C5-C4-N3	-3.07	123.51	128.39
160	Al	602	GTP	C5-C4-N3	-3.07	123.51	128.39
160	RI	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	TA	602	GTP	C5-C4-N3	-3.07	123.51	128.39
160	PC	602	GTP	N9-C4-N3	3.07	132.09	125.95
160	Ah	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	UT	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	GM	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	BF	602	GTP	N9-C4-N3	3.07	132.09	125.95
160	FA	602	GTP	C5-C4-N3	-3.07	123.51	128.39
160	UD	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	XS	501	GTP	C2-N1-C6	-3.07	119.55	125.11
158	HV	501	GDP	C5-C4-N3	-3.07	123.51	128.39
158	GV	501	GDP	C5-C4-N3	-3.07	123.51	128.39
160	NP	501	GTP	C5-C4-N3	-3.07	123.51	128.39
160	YT	602	GTP	C5-C4-N3	-3.06	123.51	128.39
158	TJ	501	GDP	C5-C4-N3	-3.06	123.51	128.39
160	GU	602	GTP	C5-C4-N3	-3.06	123.52	128.39
160	AB	602	GTP	C2-N1-C6	-3.06	119.56	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	RH	501	GDP	C5-C4-N3	-3.06	123.52	128.39
160	LX	501	GTP	C5-C4-N3	-3.06	123.52	128.39
160	MJ	602	GTP	C5-C4-N3	-3.06	123.52	128.39
160	XU	501	GTP	C5-C4-N3	-3.06	123.52	128.39
158	JO	501	GDP	C5-C4-N3	-3.06	123.52	128.39
158	OM	501	GDP	C5-C4-N3	-3.06	123.52	128.39
160	AJ	501	GTP	C5-C4-N3	-3.06	123.52	128.39
160	ND	501	GTP	C5-C4-N3	-3.06	123.53	128.39
160	SG	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	ZD	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	IK	602	GTP	C2-N1-C6	-3.05	119.58	125.11
160	OV	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	RM	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	HS	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	RY	602	GTP	C5-C4-N3	-3.05	123.53	128.39
160	YN	501	GTP	C5-C4-N3	-3.05	123.53	128.39
160	BH	602	GTP	C2-N1-C6	-3.05	119.58	125.11
158	UZ	501	GDP	C5-C4-N3	-3.05	123.54	128.39
158	OY	501	GDP	C5-C4-N3	-3.05	123.54	128.39
158	SX	501	GDP	C5-C4-N3	-3.05	123.54	128.39
160	YG	602	GTP	C5-C4-N3	-3.05	123.54	128.39
160	DO	501	GTP	N9-C4-N3	3.04	132.04	125.95
160	TT	602	GTP	C5-C4-N3	-3.04	123.54	128.39
158	KA	501	GDP	C5-C4-N3	-3.04	123.55	128.39
160	DJ	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	MZ	602	GTP	C5-C4-N3	-3.04	123.55	128.39
160	DU	501	GTP	N9-C4-N3	3.04	132.04	125.95
160	MT	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	UF	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	YR	501	GTP	C5-C4-N3	-3.04	123.55	128.39
158	BI	501	GDP	C5-C4-N3	-3.04	123.55	128.39
160	NT	602	GTP	C5-C4-N3	-3.04	123.55	128.39
160	TQ	602	GTP	C5-C4-N3	-3.04	123.55	128.39
160	TR	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	ML	602	GTP	C5-C4-N3	-3.04	123.55	128.39
160	AD	501	GTP	C2-N1-C6	-3.04	119.60	125.11
158	EZ	602	GDP	C5-C4-N3	-3.04	123.55	128.39
158	WP	501	GDP	C5-C4-N3	-3.04	123.55	128.39
160	HW	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	MD	502	GTP	C5-C4-N3	-3.04	123.55	128.39
160	QI	602	GTP	C2-N1-C6	-3.04	119.60	125.11
158	PD	501	GDP	C5-C4-N3	-3.04	123.55	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	GW	501	GTP	C5-C4-N3	-3.04	123.55	128.39
160	LT	602	GTP	C5-C4-N3	-3.04	123.55	128.39
158	VL	501	GDP	C5-C4-N3	-3.04	123.56	128.39
160	SK	602	GTP	C5-C4-N3	-3.04	123.56	128.39
160	XI	602	GTP	C5-C4-N3	-3.03	123.56	128.39
160	CD	602	GTP	C5-C4-N3	-3.03	123.56	128.39
160	JX	501	GTP	C2-N1-C6	-3.03	119.61	125.11
160	ZL	602	GTP	C5-C4-N3	-3.03	123.56	128.39
160	CB	501	GTP	C5-C4-N3	-3.03	123.57	128.39
158	XD	501	GDP	C5-C4-N3	-3.03	123.57	128.39
160	GC	602	GTP	C5-C4-N3	-3.03	123.57	128.39
160	XO	602	GTP	C2-N1-C6	-3.03	119.62	125.11
158	HJ	501	GDP	C5-C4-N3	-3.03	123.57	128.39
160	DS	602	GTP	N9-C4-N3	3.03	132.01	125.95
160	LF	602	GTP	C5-C4-N3	-3.03	123.57	128.39
160	QQ	501	GTP	C5-C4-N3	-3.03	123.57	128.39
160	SO	501	GTP	C5-C4-N3	-3.03	123.57	128.39
160	GI	501	GTP	C5-C4-N3	-3.03	123.57	128.39
158	FR	501	GDP	C5-C4-N3	-3.02	123.58	128.39
160	EQ	602	GTP	C5-C4-N3	-3.02	123.58	128.39
158	RD	501	GDP	C5-C4-N3	-3.02	123.58	128.39
160	FO	602	GTP	C5-C4-N3	-3.02	123.58	128.39
158	TD	501	GDP	C5-C4-N3	-3.02	123.58	128.39
160	MX	502	GTP	C5-C4-N3	-3.02	123.58	128.39
160	ES	501	GTP	N9-C4-N3	3.02	131.99	125.95
158	FD	501	GDP	C5-C4-N3	-3.02	123.58	128.39
160	KD	501	GTP	C5-C4-N3	-3.02	123.58	128.39
160	ON	501	GTP	C5-C4-N3	-3.02	123.58	128.39
160	NF	502	GTP	C5-C4-N3	-3.02	123.59	128.39
160	WA	602	GTP	C2-N1-C6	-3.02	119.64	125.11
160	PC	602	GTP	C2-N1-C6	-3.02	119.64	125.11
160	TM	501	GTP	C5-C4-N3	-3.01	123.59	128.39
158	QJ	501	GDP	C5-C4-N3	-3.01	123.59	128.39
160	DW	602	GTP	C2-N1-C6	-3.01	119.65	125.11
160	FS	602	GTP	C5-C4-N3	-3.01	123.59	128.39
160	DO	501	GTP	C2-N1-C6	-3.01	119.65	125.11
158	PH	501	GDP	C5-C4-N3	-3.01	123.60	128.39
160	KT	501	GTP	C5-C4-N3	-3.01	123.60	128.39
160	NJ	503	GTP	C5-C4-N3	-3.01	123.60	128.39
158	UM	501	GDP	C5-C4-N3	-3.01	123.60	128.39
160	EC	501	GTP	C2-N1-C6	-3.01	119.65	125.11
160	NR	502	GTP	C5-C4-N3	-3.01	123.60	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	QF	501	GDP	C5-C4-N3	-3.01	123.60	128.39
160	OD	602	GTP	C5-C4-N3	-3.01	123.60	128.39
158	WJ	501	GDP	C5-C4-N3	-3.01	123.60	128.39
158	QV	501	GDP	C5-C4-N3	-3.00	123.61	128.39
160	MP	501	GTP	C5-C4-N3	-3.00	123.61	128.39
160	AT	501	GTP	C5-C4-N3	-3.00	123.61	128.39
160	OJ	602	GTP	C5-C4-N3	-3.00	123.61	128.39
158	PT	501	GDP	C5-C4-N3	-3.00	123.61	128.39
160	LZ	501	GTP	C5-C4-N3	-3.00	123.61	128.39
160	YZ	602	GTP	C5-C4-N3	-3.00	123.61	128.39
160	QC	501	GTP	C5-C4-N3	-3.00	123.61	128.39
158	EF	501	GDP	C5-C4-N3	-3.00	123.62	128.39
160	LN	501	GTP	C5-C4-N3	-3.00	123.62	128.39
158	SF	501	GDP	C5-C4-N3	-3.00	123.62	128.39
160	DF	501	GTP	C5-C4-N3	-3.00	123.62	128.39
160	OZ	501	GTP	C5-C4-N3	-3.00	123.62	128.39
158	FL	602	GDP	C5-C4-N3	-2.99	123.62	128.39
160	KX	501	GTP	C5-C4-N3	-2.99	123.63	128.39
158	WR	501	GDP	C5-C4-N3	-2.99	123.63	128.39
158	EL	501	GDP	C5-C4-N3	-2.99	123.63	128.39
158	WV	501	GDP	C5-C4-N3	-2.99	123.63	128.39
160	DU	501	GTP	C2-N1-C6	-2.99	119.69	125.11
160	BB	501	GTP	C5-C4-N3	-2.99	123.63	128.39
160	CT	602	GTP	C2-N1-C6	-2.99	119.69	125.11
160	NV	503	GTP	C5-C4-N3	-2.99	123.64	128.39
160	OT	602	GTP	C5-C4-N3	-2.99	123.64	128.39
160	BF	602	GTP	C2-N1-C6	-2.99	119.70	125.11
160	CX	602	GTP	C2-N1-C6	-2.99	119.70	125.11
158	OA	501	GDP	C5-C4-N3	-2.98	123.64	128.39
160	TE	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	NN	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	OH	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	IW	501	GTP	C2-N3-C4	2.98	117.44	112.30
160	UB	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	XK	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	JZ	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	GO	501	GTP	C5-C4-N3	-2.98	123.64	128.39
160	JH	602	GTP	C2-N1-C6	-2.98	119.71	125.11
160	UP	501	GTP	C5-C4-N3	-2.98	123.65	128.39
160	NB	501	GTP	C5-C4-N3	-2.98	123.65	128.39
160	GK	602	GTP	C5-C4-N3	-2.98	123.65	128.39
160	XW	602	GTP	C5-C4-N3	-2.98	123.65	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	AH	501	GTP	C5-C4-N3	-2.98	123.65	128.39
160	MN	502	GTP	C5-C4-N3	-2.98	123.65	128.39
158	CH	501	GDP	C5-C4-N3	-2.98	123.65	128.39
160	IM	602	GTP	C2-N3-C4	2.98	117.42	112.30
160	IY	501	GTP	C2-N3-C4	2.98	117.42	112.30
158	XN	501	GDP	C5-C4-N3	-2.97	123.66	128.39
160	SC	602	GTP	C5-C4-N3	-2.97	123.66	128.39
158	KC	501	GDP	C5-C4-N3	-2.97	123.66	128.39
160	DQ	501	GTP	C5-C4-N3	-2.97	123.66	128.39
160	KB	501	GTP	C5-C4-N3	-2.97	123.66	128.39
160	NX	501	GTP	C2-N3-C4	2.97	117.42	112.30
160	OB	501	GTP	C5-C4-N3	-2.97	123.66	128.39
160	EO	501	GTP	C5-C4-N3	-2.97	123.67	128.39
160	HK	501	GTP	C5-C4-N3	-2.97	123.67	128.39
160	OR	602	GTP	C5-C4-N3	-2.97	123.67	128.39
160	AV	501	GTP	C5-C4-N3	-2.97	123.67	128.39
158	DP	501	GDP	C5-C4-N3	-2.96	123.67	128.39
158	DZ	501	GDP	C5-C4-N3	-2.96	123.67	128.39
160	SU	501	GTP	C5-C4-N3	-2.96	123.67	128.39
160	RU	501	GTP	C5-C4-N3	-2.96	123.67	128.39
160	JT	501	GTP	C5-C4-N3	-2.96	123.67	128.39
160	BR	501	GTP	C2-N1-C6	-2.96	119.74	125.11
160	HU	602	GTP	C5-C4-N3	-2.96	123.68	128.39
158	EN	501	GDP	C5-C4-N3	-2.96	123.68	128.39
158	YK	501	GDP	C5-C4-N3	-2.96	123.68	128.39
160	LB	501	GTP	C5-C4-N3	-2.96	123.68	128.39
160	OX	602	GTP	C5-C4-N3	-2.96	123.68	128.39
160	KV	602	GTP	C5-C4-N3	-2.96	123.68	128.39
160	DS	602	GTP	C2-N1-C6	-2.96	119.75	125.11
160	PK	501	GTP	C5-C4-N3	-2.96	123.69	128.39
160	RW	501	GTP	C5-C4-N3	-2.96	123.69	128.39
160	FC	501	GTP	C5-C4-N3	-2.95	123.69	128.39
158	YW	501	GDP	C5-C4-N3	-2.95	123.69	128.39
158	ZI	501	GDP	C5-C4-N3	-2.95	123.69	128.39
160	KP	602	GTP	C5-C4-N3	-2.95	123.69	128.39
160	PE	602	GTP	C5-C4-N3	-2.95	123.69	128.39
160	ZB	501	GTP	C5-C4-N3	-2.95	123.69	128.39
160	HM	602	GTP	C2-N3-C4	2.95	117.38	112.30
160	LR	501	GTP	C5-C4-N3	-2.95	123.69	128.39
160	OF	501	GTP	C5-C4-N3	-2.95	123.69	128.39
160	HY	501	GTP	C2-N3-C4	2.95	117.38	112.30
160	JN	501	GTP	C5-C4-N3	-2.95	123.70	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	CP	602	GTP	C5-C4-N3	-2.95	123.70	128.39
160	OV	501	GTP	C2-N3-C4	2.95	117.37	112.30
160	AL	602	GTP	C2-N3-C4	2.94	117.37	112.30
160	PW	501	GTP	C5-C4-N3	-2.94	123.70	128.39
160	CL	501	GTP	C2-N1-C6	-2.94	119.78	125.11
160	JR	602	GTP	C2-N1-C6	-2.94	119.78	125.11
158	XZ	501	GDP	C5-C4-N3	-2.94	123.71	128.39
160	JJ	501	GTP	C2-N1-C6	-2.94	119.78	125.11
160	DH	501	GTP	C5-C4-N3	-2.94	123.72	128.39
160	PG	501	GTP	C5-C4-N3	-2.93	123.72	128.39
160	KF	602	GTP	C5-C4-N3	-2.93	123.72	128.39
160	KH	501	GTP	C5-C4-N3	-2.93	123.72	128.39
158	QR	501	GDP	C5-C4-N3	-2.93	123.72	128.39
160	CJ	501	GTP	C5-C4-N3	-2.93	123.73	128.39
160	AR	602	GTP	C2-N3-C4	2.93	117.34	112.30
160	LP	502	GTP	C5-C4-N3	-2.93	123.73	128.39
158	FH	501	GDP	C6-C5-N7	2.93	135.62	130.29
160	ES	501	GTP	C2-N1-C6	-2.93	119.80	125.11
160	DO	501	GTP	N9-C8-N7	-2.93	107.97	113.40
160	LH	501	GTP	C2-N3-C4	2.93	117.34	112.30
160	UL	602	GTP	C5-C4-N3	-2.93	123.73	128.39
160	IA	501	GTP	C2-N3-C4	2.92	117.33	112.30
160	DB	501	GTP	C5-C4-N3	-2.92	123.74	128.39
160	Ab	501	GTP	C2-N3-C4	2.92	117.33	112.30
160	YV	602	GTP	C2-N3-C4	2.92	117.33	112.30
160	LJ	501	GTP	C2-N3-C4	2.92	117.33	112.30
160	An	602	GTP	C2-N3-C4	2.92	117.33	112.30
160	Af	501	GTP	C2-N3-C4	2.92	117.33	112.30
160	SW	501	GTP	C5-C4-N3	-2.92	123.75	128.39
160	AN	501	GTP	C2-N3-C4	2.92	117.32	112.30
158	JQ	501	GDP	C5-C4-N3	-2.92	123.75	128.39
160	EU	501	GTP	C5-C4-N3	-2.92	123.75	128.39
160	LL	501	GTP	C2-N3-C4	2.92	117.32	112.30
160	CV	501	GTP	C2-N1-C6	-2.91	119.83	125.11
160	MB	502	GTP	C5-C4-N3	-2.91	123.75	128.39
160	ZH	501	GTP	C2-N3-C4	2.91	117.32	112.30
160	YE	602	GTP	C2-N3-C4	2.91	117.31	112.30
160	RK	602	GTP	C5-C4-N3	-2.91	123.75	128.39
160	TC	501	GTP	C5-C4-N3	-2.91	123.76	128.39
160	CN	602	GTP	C5-C4-N3	-2.91	123.76	128.39
160	HO	501	GTP	C2-N3-C4	2.91	117.31	112.30
160	JV	501	GTP	C2-N1-C6	-2.91	119.84	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	PM	602	GTP	C5-C4-N3	-2.91	123.76	128.39
160	AZ	501	GTP	C2-N3-C4	2.91	117.31	112.30
160	KN	602	GTP	C2-N3-C4	2.91	117.31	112.30
160	OL	602	GTP	C5-C4-N3	-2.91	123.76	128.39
160	YX	602	GTP	C5-C4-N3	-2.91	123.76	128.39
160	PY	602	GTP	C5-C4-N3	-2.91	123.77	128.39
160	AP	602	GTP	C2-N3-C4	2.90	117.30	112.30
160	Aj	501	GTP	C2-N3-C4	2.90	117.30	112.30
160	GG	501	GTP	C2-N3-C4	2.90	117.30	112.30
160	HQ	602	GTP	C2-N3-C4	2.90	117.29	112.30
160	SK	602	GTP	C2-N3-C4	2.90	117.29	112.30
160	OJ	602	GTP	C2-N3-C4	2.90	117.29	112.30
160	RO	602	GTP	C2-N3-C4	2.90	117.29	112.30
160	CR	501	GTP	C5-C4-N3	-2.90	123.78	128.39
160	ZT	602	GTP	C2-N3-C4	2.89	117.28	112.30
160	SE	501	GTP	C2-N3-C4	2.89	117.28	112.30
160	QE	501	GTP	C5-C4-N3	-2.89	123.79	128.39
160	AX	501	GTP	C2-N3-C4	2.89	117.28	112.30
160	KL	602	GTP	C2-N3-C4	2.89	117.28	112.30
160	ZF	602	GTP	C2-N3-C4	2.89	117.28	112.30
160	PU	602	GTP	C5-C4-N3	-2.89	123.79	128.39
160	RE	501	GTP	C2-N3-C4	2.89	117.27	112.30
160	WE	602	GTP	N9-C8-N7	-2.89	108.05	113.40
160	RM	501	GTP	C2-N3-C4	2.89	117.27	112.30
160	PS	501	GTP	C5-C4-N3	-2.89	123.80	128.39
160	AJ	501	GTP	C2-N3-C4	2.89	117.27	112.30
160	AF	501	GTP	C2-N3-C4	2.89	117.27	112.30
160	RS	501	GTP	C2-N3-C4	2.88	117.27	112.30
160	ZJ	501	GTP	C5-C4-N3	-2.88	123.80	128.39
160	EI	501	GTP	C5-C4-N3	-2.88	123.80	128.39
160	MF	602	GTP	C2-N3-C4	2.88	117.26	112.30
160	XG	602	GTP	C2-N3-C4	2.88	117.26	112.30
160	SQ	602	GTP	C5-C4-N3	-2.88	123.81	128.39
160	TI	501	GTP	C5-C4-N3	-2.88	123.81	128.39
160	VG	501	GTP	C5-C4-N3	-2.88	123.81	128.39
160	WE	602	GTP	N9-C4-N3	2.88	131.71	125.95
160	BL	501	GTP	C2-N3-C4	2.87	117.25	112.30
160	JA	501	GTP	C2-N3-C4	2.87	117.25	112.30
160	EG	501	GTP	C5-C4-N3	-2.87	123.81	128.39
160	HI	602	GTP	C5-C4-N3	-2.87	123.82	128.39
160	WO	501	GTP	C5-C4-N3	-2.87	123.82	128.39
160	QU	602	GTP	C2-N3-C4	2.87	117.24	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	GS	602	GTP	C2-N3-C4	2.87	117.24	112.30
160	SI	501	GTP	C5-C4-N3	-2.87	123.83	128.39
160	WC	501	GTP	C5-C4-N3	-2.87	123.83	128.39
160	HS	501	GTP	C2-N3-C4	2.87	117.24	112.30
160	RY	602	GTP	C2-N3-C4	2.87	117.23	112.30
160	XK	501	GTP	C2-N3-C4	2.87	117.23	112.30
160	YP	602	GTP	C5-C4-N3	-2.87	123.83	128.39
160	HG	501	GTP	C2-N3-C4	2.86	117.23	112.30
160	QG	602	GTP	C2-N3-C4	2.86	117.23	112.30
160	ZP	501	GTP	C2-N3-C4	2.86	117.23	112.30
160	ZN	602	GTP	C2-N3-C4	2.86	117.23	112.30
160	LX	501	GTP	C2-N3-C4	2.86	117.23	112.30
160	MD	502	GTP	C2-N3-C4	2.86	117.23	112.30
160	ZX	501	GTP	C2-N3-C4	2.86	117.22	112.30
160	PI	602	GTP	C5-C4-N3	-2.86	123.84	128.39
160	GU	602	GTP	C2-N3-C4	2.86	117.22	112.30
160	TQ	602	GTP	C2-N3-C4	2.86	117.22	112.30
160	ZJ	501	GTP	C2-N3-C4	2.86	117.22	112.30
160	LT	602	GTP	C2-N3-C4	2.86	117.22	112.30
160	SM	501	GTP	C2-N3-C4	2.86	117.22	112.30
160	BD	602	GTP	C2-N3-C4	2.85	117.22	112.30
160	FI	602	GTP	N9-C8-N7	-2.85	108.11	113.40
160	KP	602	GTP	C2-N3-C4	2.85	117.21	112.30
160	YJ	602	GTP	C2-N3-C4	2.85	117.21	112.30
160	YL	602	GTP	C5-C4-N3	-2.85	123.85	128.39
160	LB	501	GTP	C2-N3-C4	2.85	117.21	112.30
160	VE	501	GTP	C5-C4-N3	-2.85	123.85	128.39
160	XA	501	GTP	C5-C4-N3	-2.85	123.85	128.39
160	QW	501	GTP	C2-N3-C4	2.85	117.21	112.30
160	EM	501	GTP	C5-C4-N3	-2.85	123.86	128.39
160	FQ	501	GTP	C5-C4-N3	-2.85	123.86	128.39
160	KJ	602	GTP	C5-C4-N3	-2.85	123.86	128.39
160	TG	501	GTP	C5-C4-N3	-2.85	123.86	128.39
160	OD	602	GTP	C2-N3-C4	2.85	117.20	112.30
160	TE	501	GTP	C2-N3-C4	2.85	117.20	112.30
160	MP	501	GTP	C2-N3-C4	2.85	117.20	112.30
157	7b	4704	ADP	C4-N9-C8	2.85	108.73	105.74
160	XQ	501	GTP	C2-N3-C4	2.85	117.20	112.30
160	MR	602	GTP	C2-N3-C4	2.85	117.20	112.30
160	RQ	501	GTP	C2-N3-C4	2.85	117.20	112.30
160	BX	602	GTP	C2-N3-C4	2.84	117.20	112.30
160	ML	602	GTP	C2-N3-C4	2.84	117.20	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	WZ	501	GDP	C5-C4-N3	-2.84	123.86	128.39
160	NZ	602	GTP	C5-C4-N3	-2.84	123.86	128.39
160	YX	602	GTP	C2-N3-C4	2.84	117.20	112.30
160	SS	602	GTP	O3A-PB-O1B	-2.84	102.15	110.70
160	DM	501	GTP	C5-C4-N3	-2.84	123.87	128.39
160	OP	501	GTP	C2-N3-C4	2.84	117.19	112.30
160	QQ	501	GTP	C2-N3-C4	2.84	117.19	112.30
160	TO	501	GTP	C5-C4-N3	-2.84	123.87	128.39
160	DS	602	GTP	N9-C8-N7	-2.84	108.14	113.40
160	JC	501	GTP	C2-N3-C4	2.84	117.19	112.30
160	LN	501	GTP	C2-N3-C4	2.84	117.19	112.30
160	NH	502	GTP	C2-N3-C4	2.84	117.19	112.30
160	RG	501	GTP	C2-N3-C4	2.84	117.18	112.30
160	Ah	501	GTP	C2-N3-C4	2.84	117.18	112.30
160	RC	501	GTP	C2-N3-C4	2.84	117.18	112.30
160	ZR	602	GTP	C2-N3-C4	2.84	117.18	112.30
160	Al	602	GTP	C2-N3-C4	2.83	117.18	112.30
160	CF	501	GTP	C2-N3-C4	2.83	117.18	112.30
160	SO	501	GTP	C2-N3-C4	2.83	117.18	112.30
160	DY	501	GTP	C5-C4-N3	-2.83	123.88	128.39
160	PO	602	GTP	C5-C4-N3	-2.83	123.88	128.39
160	RI	501	GTP	C2-N3-C4	2.83	117.18	112.30
160	GI	501	GTP	C2-N3-C4	2.83	117.18	112.30
160	BT	602	GTP	C2-N3-C4	2.83	117.17	112.30
158	FV	501	GDP	C4-C5-N7	-2.83	106.18	110.67
160	VC	501	GTP	O2B-PB-O3A	2.83	114.92	107.27
160	GQ	602	GTP	C2-N3-C4	2.83	117.17	112.30
160	TT	602	GTP	C2-N3-C4	2.83	117.17	112.30
160	QO	602	GTP	C2-N3-C4	2.83	117.17	112.30
160	FC	501	GTP	C2-N3-C4	2.83	117.17	112.30
160	MJ	602	GTP	C2-N3-C4	2.83	117.17	112.30
160	GK	602	GTP	C2-N3-C4	2.83	117.17	112.30
160	ON	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	GW	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	NL	602	GTP	C2-N3-C4	2.82	117.16	112.30
160	NP	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	CZ	501	GTP	C5-C4-N3	-2.82	123.90	128.39
160	DL	501	GTP	C5-C4-N3	-2.82	123.90	128.39
160	GC	602	GTP	C2-N3-C4	2.82	117.16	112.30
160	FK	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	IS	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	RW	501	GTP	C2-N3-C4	2.82	117.16	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	TM	501	GTP	C2-N3-C4	2.82	117.16	112.30
160	EE	501	GTP	C5-C4-N3	-2.82	123.90	128.39
160	BB	501	GTP	C2-N3-C4	2.82	117.15	112.30
160	CD	602	GTP	C2-N3-C4	2.82	117.15	112.30
160	ND	501	GTP	C2-N3-C4	2.82	117.15	112.30
160	MV	502	GTP	C2-N3-C4	2.82	117.15	112.30
160	RK	602	GTP	C2-N3-C4	2.82	117.15	112.30
160	OZ	501	GTP	C2-N3-C4	2.82	117.15	112.30
160	TK	501	GTP	C2-N3-C4	2.82	117.15	112.30
160	EK	602	GTP	C5-C4-N3	-2.82	123.91	128.39
160	FE	501	GTP	C5-C4-N3	-2.82	123.91	128.39
160	NT	602	GTP	C2-N3-C4	2.82	117.15	112.30
160	FW	602	GTP	N9-C8-N7	-2.82	108.18	113.40
160	AT	501	GTP	C2-N3-C4	2.81	117.15	112.30
160	ZD	501	GTP	C2-N3-C4	2.81	117.15	112.30
160	YL	602	GTP	C2-N3-C4	2.81	117.15	112.30
160	QA	602	GTP	C5-C4-N3	-2.81	123.91	128.39
160	EY	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	GO	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	LV	502	GTP	C2-N3-C4	2.81	117.14	112.30
160	TA	602	GTP	C2-N3-C4	2.81	117.14	112.30
160	BJ	602	GTP	C2-N3-C4	2.81	117.14	112.30
160	BZ	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	KX	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	KV	602	GTP	C2-N3-C4	2.81	117.14	112.30
160	CR	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	HW	501	GTP	C2-N3-C4	2.81	117.14	112.30
160	QK	602	GTP	C2-N3-C4	2.81	117.14	112.30
160	YR	501	GTP	C2-N3-C4	2.81	117.14	112.30
158	HL	501	GDP	C4-C5-N7	-2.81	106.22	110.67
160	WG	501	GTP	O2B-PB-O3A	2.81	114.86	107.27
160	MN	502	GTP	C2-N3-C4	2.81	117.14	112.30
160	ZZ	501	GTP	C2-N3-C4	2.81	117.14	112.30
158	ZM	501	GDP	C2-N3-C4	2.81	117.13	112.30
160	OF	501	GTP	C2-N3-C4	2.81	117.13	112.30
160	GM	501	GTP	C2-N3-C4	2.81	117.13	112.30
160	JE	501	GTP	C2-N3-C4	2.81	117.13	112.30
160	UW	602	GTP	C5-C4-N3	-2.81	123.92	128.39
158	WB	501	GDP	C5-C4-N3	-2.81	123.92	128.39
160	WE	602	GTP	C2-N1-C6	-2.80	120.03	125.11
160	QS	501	GTP	C2-N3-C4	2.80	117.13	112.30
160	DD	501	GTP	C5-C4-N3	-2.80	123.93	128.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	ES	501	GTP	N9-C8-N7	-2.80	108.20	113.40
160	LP	502	GTP	C2-N3-C4	2.80	117.13	112.30
160	YT	602	GTP	C2-N3-C4	2.80	117.13	112.30
160	OB	501	GTP	C2-N3-C4	2.80	117.12	112.30
158	WN	501	GDP	C5-C4-N3	-2.80	123.93	128.39
160	Ap	501	GTP	C2-N3-C4	2.80	117.12	112.30
160	MZ	602	GTP	C2-N3-C4	2.80	117.12	112.30
160	OR	602	GTP	C2-N3-C4	2.80	117.12	112.30
160	ZV	602	GTP	C2-N3-C4	2.80	117.12	112.30
160	AH	501	GTP	C2-N3-C4	2.80	117.12	112.30
160	FG	501	GTP	N9-C8-N7	-2.80	108.21	113.40
160	GE	602	GTP	C2-N3-C4	2.80	117.12	112.30
160	UR	501	GTP	C2-N3-C4	2.80	117.12	112.30
160	YC	501	GTP	C2-N3-C4	2.80	117.12	112.30
160	SY	602	GTP	C2-N3-C4	2.80	117.12	112.30
160	HU	602	GTP	C2-N3-C4	2.80	117.11	112.30
160	SC	602	GTP	C2-N3-C4	2.80	117.11	112.30
160	SU	501	GTP	C2-N3-C4	2.80	117.11	112.30
160	LF	602	GTP	C2-N3-C4	2.79	117.11	112.30
160	SG	501	GTP	C2-N3-C4	2.79	117.11	112.30
160	EQ	602	GTP	C2-N3-C4	2.79	117.11	112.30
160	NN	501	GTP	C2-N3-C4	2.79	117.11	112.30
160	SI	501	GTP	C2-N3-C4	2.79	117.11	112.30
160	AV	501	GTP	C2-N3-C4	2.79	117.11	112.30
160	KR	602	GTP	C2-N3-C4	2.79	117.11	112.30
157	7f	4701	ADP	C4-N9-C8	2.79	108.67	105.74
160	EC	501	GTP	N9-C8-N7	-2.79	108.23	113.40
160	CN	602	GTP	C2-N3-C4	2.79	117.10	112.30
160	HI	602	GTP	C2-N3-C4	2.79	117.10	112.30
160	DF	501	GTP	C2-N3-C4	2.79	117.10	112.30
160	LR	501	GTP	C2-N3-C4	2.79	117.10	112.30
158	RZ	501	GDP	C2-N3-C4	2.79	117.10	112.30
160	WK	602	GTP	C5-C4-N3	-2.79	123.95	128.39
160	WY	602	GTP	C5-C4-N3	-2.79	123.95	128.39
160	OH	501	GTP	C2-N3-C4	2.79	117.10	112.30
160	VY	501	GTP	C5-C4-N3	-2.78	123.96	128.39
160	QM	501	GTP	C2-N3-C4	2.78	117.09	112.30
160	TR	501	GTP	C2-N3-C4	2.78	117.09	112.30
160	NJ	503	GTP	C2-N3-C4	2.78	117.09	112.30
160	OT	602	GTP	C2-N3-C4	2.78	117.09	112.30
160	QY	501	GTP	C2-N3-C4	2.78	117.09	112.30
160	UH	501	GTP	C2-N3-C4	2.78	117.09	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	CV	501	GTP	N9-C8-N7	-2.78	108.24	113.40
160	MB	502	GTP	C2-N3-C4	2.78	117.09	112.30
160	JX	501	GTP	N9-C8-N7	-2.78	108.25	113.40
160	CI	501	GTP	C2-N3-C4	2.78	117.08	112.30
160	NB	501	GTP	C2-N3-C4	2.78	117.08	112.30
160	LZ	501	GTP	C2-N3-C4	2.78	117.08	112.30
160	CL	501	GTP	N9-C8-N7	-2.78	108.25	113.40
160	MH	501	GTP	C2-N3-C4	2.78	117.08	112.30
160	MX	502	GTP	C2-N3-C4	2.77	117.08	112.30
160	RU	501	GTP	C2-N3-C4	2.77	117.08	112.30
160	RA	602	GTP	C2-N3-C4	2.77	117.08	112.30
160	FO	602	GTP	C2-N3-C4	2.77	117.07	112.30
160	YA	602	GTP	C2-N3-C4	2.77	117.07	112.30
160	KD	501	GTP	C2-N3-C4	2.77	117.07	112.30
160	PK	501	GTP	C2-N3-C4	2.77	117.07	112.30
160	WK	602	GTP	C2-N3-C4	2.77	117.06	112.30
158	Ak	501	GDP	C2-N3-C4	2.77	117.06	112.30
160	KB	501	GTP	C2-N3-C4	2.77	117.06	112.30
158	GZ	501	GDP	C4-C5-N7	-2.77	106.29	110.67
160	EA	501	GTP	C5-C4-N3	-2.76	123.99	128.39
157	8f	4701	ADP	C4-N9-C8	2.76	108.64	105.74
158	Ac	501	GDP	C2-N3-C4	2.76	117.06	112.30
160	OX	602	GTP	C2-N3-C4	2.76	117.06	112.30
160	UF	501	GTP	C2-N3-C4	2.76	117.06	112.30
160	DW	602	GTP	N9-C8-N7	-2.76	108.28	113.40
158	FZ	501	GDP	C4-C5-N7	-2.76	106.29	110.67
160	BP	501	GTP	C2-N3-C4	2.76	117.06	112.30
160	FM	501	GTP	C2-N3-C4	2.76	117.06	112.30
160	HK	501	GTP	C2-N3-C4	2.76	117.06	112.30
160	PG	501	GTP	C2-N3-C4	2.76	117.05	112.30
160	YN	501	GTP	C2-N3-C4	2.76	117.05	112.30
160	VI	501	GTP	C5-C4-N3	-2.76	124.00	128.39
160	CB	501	GTP	C2-N3-C4	2.76	117.05	112.30
160	VS	501	GTP	C5-C4-N3	-2.76	124.00	128.39
160	DD	501	GTP	C2-N3-C4	2.76	117.05	112.30
160	DJ	501	GTP	C2-N3-C4	2.76	117.05	112.30
160	OL	602	GTP	C2-N3-C4	2.76	117.05	112.30
160	UN	602	GTP	C2-N3-C4	2.76	117.05	112.30
158	HD	501	GDP	C4-C5-N7	-2.76	106.30	110.67
160	ZL	602	GTP	C2-N3-C4	2.76	117.04	112.30
160	TV	501	GTP	C2-N3-C4	2.75	117.04	112.30
160	PQ	501	GTP	C2-N3-C4	2.75	117.04	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	CZ	501	GTP	C2-N3-C4	2.75	117.04	112.30
160	JZ	501	GTP	C2-N3-C4	2.75	117.04	112.30
160	LD	602	GTP	C2-N3-C4	2.75	117.04	112.30
160	TG	501	GTP	C2-N3-C4	2.75	117.03	112.30
160	SW	501	GTP	C2-N3-C4	2.75	117.03	112.30
160	UT	501	GTP	C2-N3-C4	2.75	117.03	112.30
160	XU	501	GTP	C2-N3-C4	2.74	117.02	112.30
160	XS	501	GTP	N9-C8-N7	-2.74	108.31	113.40
160	FA	602	GTP	C2-N3-C4	2.74	117.02	112.30
160	TC	501	GTP	C2-N3-C4	2.74	117.02	112.30
160	NV	503	GTP	C2-N3-C4	2.74	117.02	112.30
160	XW	602	GTP	C2-N3-C4	2.74	117.02	112.30
160	YG	602	GTP	C2-N3-C4	2.74	117.02	112.30
158	Ao	501	GDP	C2-N3-C4	2.74	117.02	112.30
160	PO	602	GTP	C2-N3-C4	2.74	117.01	112.30
157	9f	4702	ADP	C4-N9-C8	2.74	108.61	105.74
160	XO	602	GTP	N9-C8-N7	-2.74	108.33	113.40
160	CJ	501	GTP	C2-N3-C4	2.74	117.01	112.30
160	NZ	602	GTP	C2-N3-C4	2.73	117.01	112.30
160	XI	602	GTP	C2-N3-C4	2.73	117.01	112.30
160	WW	501	GTP	C5-C4-N3	-2.73	124.04	128.39
160	DL	501	GTP	C2-N3-C4	2.73	117.01	112.30
160	SQ	602	GTP	C2-N3-C4	2.73	117.01	112.30
158	AU	501	GDP	C2-N3-C4	2.73	117.00	112.30
160	CX	602	GTP	N9-C8-N7	-2.73	108.34	113.40
160	PU	602	GTP	C2-N3-C4	2.73	117.00	112.30
160	VU	501	GTP	C5-C4-N3	-2.73	124.05	128.39
160	JV	501	GTP	N9-C8-N7	-2.73	108.34	113.40
160	PW	501	GTP	C2-N3-C4	2.73	116.99	112.30
160	TI	501	GTP	C2-N3-C4	2.73	116.99	112.30
158	BO	501	GDP	C4-C5-N7	-2.72	106.35	110.67
160	UW	602	GTP	C2-N3-C4	2.72	116.99	112.30
160	VM	602	GTP	C5-C4-N3	-2.72	124.06	128.39
160	KH	501	GTP	C2-N3-C4	2.72	116.99	112.30
160	UP	501	GTP	C2-N3-C4	2.72	116.99	112.30
160	WW	501	GTP	C2-N3-C4	2.72	116.99	112.30
160	QA	602	GTP	C2-N3-C4	2.72	116.98	112.30
160	QE	501	GTP	C2-N3-C4	2.72	116.98	112.30
160	VA	501	GTP	C5-C4-N3	-2.72	124.06	128.39
160	JT	501	GTP	C2-N3-C4	2.72	116.98	112.30
160	YZ	602	GTP	C2-N3-C4	2.72	116.98	112.30
160	DU	501	GTP	N9-C8-N7	-2.72	108.36	113.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	EG	501	GTP	C2-N3-C4	2.72	116.98	112.30
160	NF	502	GTP	C2-N3-C4	2.72	116.98	112.30
160	PS	501	GTP	C2-N3-C4	2.72	116.98	112.30
160	IU	501	GTP	N9-C8-N7	-2.72	108.36	113.40
160	JP	602	GTP	N9-C8-N7	-2.72	108.36	113.40
160	HA	501	GTP	C5-C6-N1	2.72	120.17	113.25
158	SL	501	GDP	C2-N3-C4	2.72	116.98	112.30
160	QC	501	GTP	C2-N3-C4	2.72	116.97	112.30
160	JJ	501	GTP	N9-C8-N7	-2.71	108.37	113.40
158	RX	501	GDP	C2-N3-C4	2.71	116.97	112.30
160	DH	501	GTP	C2-N3-C4	2.71	116.97	112.30
160	UB	501	GTP	C2-N3-C4	2.71	116.97	112.30
158	MG	501	GDP	C2-N3-C4	2.71	116.97	112.30
160	FY	501	GTP	N9-C8-N7	-2.71	108.38	113.40
158	SD	501	GDP	C2-N3-C4	2.71	116.96	112.30
160	KZ	602	GTP	N9-C8-N7	-2.71	108.38	113.40
160	JR	602	GTP	N9-C8-N7	-2.71	108.38	113.40
158	HH	501	GDP	C2-N3-C4	2.71	116.96	112.30
158	KM	501	GDP	C2-N3-C4	2.71	116.96	112.30
158	ZQ	501	GDP	C2-N3-C4	2.71	116.96	112.30
160	VQ	501	GTP	C5-C4-N3	-2.71	124.08	128.39
160	EM	501	GTP	C2-N3-C4	2.71	116.96	112.30
160	MT	501	GTP	C2-N3-C4	2.71	116.96	112.30
160	BV	602	GTP	C2-N3-C4	2.70	116.96	112.30
160	NR	502	GTP	C2-N3-C4	2.70	116.95	112.30
160	CP	602	GTP	C2-N3-C4	2.70	116.95	112.30
160	UD	501	GTP	C2-N3-C4	2.70	116.95	112.30
160	TZ	602	GTP	C2-N3-C4	2.70	116.95	112.30
160	VW	501	GTP	C5-C4-N3	-2.70	124.09	128.39
158	AI	501	GDP	C2-N3-C4	2.70	116.95	112.30
158	LU	501	GDP	C2-N3-C4	2.70	116.95	112.30
160	FE	501	GTP	C2-N3-C4	2.70	116.95	112.30
160	VG	501	GTP	C2-N3-C4	2.70	116.95	112.30
160	EI	501	GTP	C2-N3-C4	2.70	116.95	112.30
160	KT	501	GTP	C2-N3-C4	2.70	116.95	112.30
160	KF	602	GTP	C2-N3-C4	2.70	116.95	112.30
158	AO	501	GDP	C4-C5-N7	-2.70	106.39	110.67
160	PC	602	GTP	N9-C8-N7	-2.70	108.40	113.40
158	WF	501	GDP	C4-C5-N7	-2.70	106.40	110.67
160	WA	602	GTP	N9-C8-N7	-2.70	108.40	113.40
158	SB	501	GDP	C2-N3-C4	2.70	116.94	112.30
160	EA	501	GTP	C2-N3-C4	2.70	116.94	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	JH	602	GTP	N9-C8-N7	-2.69	108.40	113.40
160	UY	602	GTP	C5-C4-N3	-2.69	124.10	128.39
160	TO	501	GTP	C2-N3-C4	2.69	116.94	112.30
158	BC	501	GDP	C4-C5-N7	-2.69	106.41	110.67
160	DM	501	GTP	C2-N3-C4	2.69	116.93	112.30
160	WM	602	GTP	C5-C4-N3	-2.69	124.11	128.39
160	VI	501	GTP	C2-N3-C4	2.69	116.93	112.30
160	FW	602	GTP	C5-C6-N1	2.69	120.09	113.25
158	GF	501	GDP	C2-N3-C4	2.68	116.92	112.30
158	AC	501	GDP	C4-C5-N7	-2.68	106.42	110.67
160	WY	602	GTP	C2-N3-C4	2.68	116.92	112.30
160	PI	602	GTP	C2-N3-C4	2.68	116.92	112.30
158	HT	501	GDP	C2-N3-C4	2.68	116.92	112.30
160	DY	501	GTP	C2-N3-C4	2.68	116.92	112.30
158	AY	501	GDP	C2-N3-C4	2.68	116.91	112.30
158	ZY	501	GDP	C2-N3-C4	2.68	116.91	112.30
160	EO	501	GTP	C2-N3-C4	2.68	116.91	112.30
160	JN	501	GTP	C2-N3-C4	2.68	116.91	112.30
158	AM	501	GDP	C2-N3-C4	2.68	116.91	112.30
160	FQ	501	GTP	C2-N3-C4	2.68	116.91	112.30
158	CU	501	GDP	C4-C5-N7	-2.68	106.43	110.67
160	BN	602	GTP	C5-C6-N1	2.68	120.07	113.25
158	RN	501	GDP	C2-N3-C4	2.68	116.91	112.30
160	GA	602	GTP	N9-C8-N7	-2.67	108.44	113.40
158	LK	501	GDP	C2-N3-C4	2.67	116.90	112.30
160	AD	501	GTP	N9-C8-N7	-2.67	108.44	113.40
160	HA	501	GTP	C8-N7-C5	2.67	109.02	104.26
160	BR	501	GTP	N9-C8-N7	-2.67	108.45	113.40
160	FS	602	GTP	C2-N3-C4	2.67	116.90	112.30
160	PE	602	GTP	C2-N3-C4	2.67	116.90	112.30
158	JK	501	GDP	C4-C5-N7	-2.67	106.44	110.67
158	SJ	501	GDP	C2-N3-C4	2.67	116.90	112.30
158	Aa	501	GDP	C2-N3-C4	2.67	116.90	112.30
160	BF	602	GTP	N9-C8-N7	-2.67	108.45	113.40
160	FI	602	GTP	C8-N7-C5	2.67	109.01	104.26
160	KJ	602	GTP	C2-N3-C4	2.67	116.89	112.30
160	VK	501	GTP	C5-C4-N3	-2.67	124.15	128.39
160	Ad	602	GTP	C5-C6-N1	2.67	120.04	113.25
158	KK	501	GDP	C2-N3-C4	2.67	116.89	112.30
158	NY	501	GDP	C2-N3-C4	2.67	116.89	112.30
158	RP	501	GDP	C2-N3-C4	2.67	116.89	112.30
158	IH	501	GDP	C4-C5-N7	-2.67	106.45	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	XE	501	GTP	N9-C8-N7	-2.66	108.46	113.40
158	Am	501	GDP	C2-N3-C4	2.66	116.89	112.30
158	CA	501	GDP	C2-N3-C4	2.66	116.89	112.30
158	RL	501	GDP	C2-N3-C4	2.66	116.89	112.30
160	Ad	602	GTP	N9-C8-N7	-2.66	108.46	113.40
158	ZE	501	GDP	C2-N3-C4	2.66	116.88	112.30
158	AQ	501	GDP	C2-N3-C4	2.66	116.88	112.30
160	QI	602	GTP	N9-C8-N7	-2.66	108.47	113.40
160	HC	602	GTP	C5-C6-N1	2.66	120.02	113.25
158	YQ	501	GDP	C2-N3-C4	2.66	116.88	112.30
160	IU	501	GTP	C5-C6-N1	2.66	120.02	113.25
158	LE	501	GDP	C2-N3-C4	2.66	116.88	112.30
160	DB	501	GTP	C2-N3-C4	2.66	116.88	112.30
160	DQ	501	GTP	C2-N3-C4	2.66	116.87	112.30
158	NM	501	GDP	C2-N3-C4	2.66	116.87	112.30
160	PY	602	GTP	C2-N3-C4	2.66	116.87	112.30
160	IK	602	GTP	C5-C6-N1	2.66	120.01	113.25
158	NK	501	GDP	C2-N3-C4	2.66	116.87	112.30
158	RR	501	GDP	C2-N3-C4	2.65	116.87	112.30
158	FH	501	GDP	C4-C5-N7	-2.65	106.47	110.67
160	EK	602	GTP	C2-N3-C4	2.65	116.87	112.30
158	AA	501	GDP	C2-N3-C4	2.65	116.87	112.30
160	KZ	602	GTP	C5-C6-N1	2.65	120.00	113.25
158	JW	501	GDP	C4-C5-N7	-2.65	106.47	110.67
160	CT	602	GTP	N9-C8-N7	-2.65	108.48	113.40
160	FY	501	GTP	C5-C6-N1	2.65	120.00	113.25
158	LI	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	AK	501	GDP	C2-N3-C4	2.65	116.86	112.30
160	VS	501	GTP	C2-N3-C4	2.65	116.86	112.30
158	SH	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	YF	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	KS	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	XR	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	ZW	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	ZC	501	GDP	C2-N3-C4	2.65	116.86	112.30
158	QX	501	GDP	C2-N3-C4	2.64	116.85	112.30
160	EE	501	GTP	C2-N3-C4	2.64	116.85	112.30
160	PM	602	GTP	C2-N3-C4	2.64	116.85	112.30
158	XT	501	GDP	C2-N3-C4	2.64	116.85	112.30
160	IG	501	GTP	N9-C8-N7	-2.64	108.50	113.40
158	OW	501	GDP	C2-N3-C4	2.64	116.85	112.30
160	XE	501	GTP	C5-C6-N1	2.64	119.98	113.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	BU	501	GDP	C4-C5-N7	-2.64	106.48	110.67
158	XH	501	GDP	C2-N3-C4	2.64	116.85	112.30
158	XX	501	GDP	C2-N3-C4	2.64	116.85	112.30
160	VY	501	GTP	C2-N3-C4	2.64	116.85	112.30
160	HC	602	GTP	N9-C8-N7	-2.64	108.50	113.40
158	YS	501	GDP	C2-N3-C4	2.64	116.84	112.30
160	IE	501	GTP	C5-C6-N1	2.64	119.97	113.25
158	GJ	501	GDP	C2-N3-C4	2.64	116.84	112.30
158	HP	501	GDP	C2-N3-C4	2.64	116.84	112.30
158	DN	501	GDP	C4-C5-N7	-2.64	106.49	110.67
158	QL	501	GDP	C2-N3-C4	2.64	116.84	112.30
158	FX	501	GDP	C4-C5-N7	-2.64	106.49	110.67
158	DV	501	GDP	C4-C5-N7	-2.64	106.49	110.67
158	LG	501	GDP	C2-N3-C4	2.63	116.84	112.30
158	GR	501	GDP	C2-N3-C4	2.63	116.83	112.30
160	AB	602	GTP	N9-C8-N7	-2.63	108.52	113.40
158	Ai	501	GDP	C2-N3-C4	2.63	116.83	112.30
158	GD	501	GDP	C2-N3-C4	2.63	116.83	112.30
160	VU	501	GTP	C2-N3-C4	2.63	116.83	112.30
160	PC	602	GTP	C5-C6-N1	2.63	119.95	113.25
158	MI	501	GDP	C2-N3-C4	2.63	116.83	112.30
158	GL	501	GDP	C2-N3-C4	2.63	116.83	112.30
160	VM	602	GTP	C2-N3-C4	2.63	116.83	112.30
160	IK	602	GTP	N9-C8-N7	-2.63	108.52	113.40
158	MK	501	GDP	C2-N3-C4	2.63	116.83	112.30
160	AD	501	GTP	C5-C6-N1	2.63	119.95	113.25
160	XO	602	GTP	C8-N7-C5	2.63	108.94	104.26
158	KI	501	GDP	C2-N3-C4	2.63	116.83	112.30
160	DO	501	GTP	C8-N7-C5	2.63	108.94	104.26
158	YD	501	GDP	C2-N3-C4	2.63	116.82	112.30
160	QI	602	GTP	C5-C6-N1	2.63	119.94	113.25
158	HF	501	GDP	C2-N3-C4	2.63	116.82	112.30
158	MA	501	GDP	C2-N3-C4	2.63	116.82	112.30
158	ZG	501	GDP	C2-N3-C4	2.63	116.82	112.30
160	XA	501	GTP	C2-N3-C4	2.62	116.82	112.30
160	WC	501	GTP	C2-N3-C4	2.62	116.82	112.30
158	DA	501	GDP	C2-N3-C4	2.62	116.82	112.30
158	ET	501	GDP	C4-C5-N7	-2.62	106.51	110.67
158	LM	501	GDP	C2-N3-C4	2.62	116.81	112.30
158	EB	501	GDP	C4-C5-N7	-2.62	106.52	110.67
158	GX	501	GDP	C2-N3-C4	2.62	116.81	112.30
158	RJ	501	GDP	C2-N3-C4	2.62	116.81	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	HR	501	GDP	C2-N3-C4	2.62	116.81	112.30
160	EU	501	GTP	C2-N3-C4	2.62	116.81	112.30
158	IB	501	GDP	C2-N3-C4	2.62	116.81	112.30
158	IX	501	GDP	C2-N3-C4	2.62	116.81	112.30
158	LW	501	GDP	C2-N3-C4	2.62	116.81	112.30
158	ED	501	GDP	C4-C5-N7	-2.62	106.52	110.67
158	ZO	501	GDP	C2-N3-C4	2.62	116.81	112.30
160	EC	501	GTP	C5-C6-N1	2.62	119.92	113.25
160	VK	501	GTP	C2-N3-C4	2.62	116.81	112.30
158	IN	501	GDP	C4-C5-N7	-2.62	106.52	110.67
160	WO	501	GTP	C2-N3-C4	2.62	116.81	112.30
158	FJ	501	GDP	C2-N3-C4	2.61	116.80	112.30
158	YU	501	GDP	C2-N3-C4	2.61	116.80	112.30
160	VW	501	GTP	C2-N3-C4	2.61	116.80	112.30
158	CO	501	GDP	C2-N3-C4	2.61	116.80	112.30
158	KY	501	GDP	C2-N3-C4	2.61	116.80	112.30
160	FG	501	GTP	C8-N7-C5	2.61	108.92	104.26
160	FW	602	GTP	C8-N7-C5	2.61	108.92	104.26
158	NA	501	GDP	C2-N3-C4	2.61	116.80	112.30
158	JB	501	GDP	C2-N3-C4	2.61	116.80	112.30
158	RT	501	GDP	C2-N3-C4	2.61	116.80	112.30
160	HC	602	GTP	C8-N7-C5	2.61	108.91	104.26
158	XF	501	GDP	C4-C5-N7	-2.61	106.53	110.67
158	SR	501	GDP	C2-N3-C4	2.61	116.80	112.30
158	HV	501	GDP	C2-N3-C4	2.61	116.79	112.30
158	AW	501	GDP	C2-N3-C4	2.61	116.79	112.30
158	KU	501	GDP	C2-N3-C4	2.61	116.79	112.30
158	QV	501	GDP	C2-N3-C4	2.61	116.79	112.30
158	LY	501	GDP	C2-N3-C4	2.61	116.79	112.30
160	AB	602	GTP	C5-C6-N1	2.61	119.89	113.25
158	IJ	501	GDP	C2-N3-C4	2.61	116.79	112.30
158	LO	501	GDP	C2-N3-C4	2.61	116.79	112.30
160	DW	602	GTP	C5-C6-N1	2.61	119.89	113.25
160	BN	602	GTP	N9-C8-N7	-2.61	108.57	113.40
158	MO	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	QJ	501	GDP	C2-N3-C4	2.60	116.78	112.30
160	JX	501	GTP	C5-C6-N1	2.60	119.88	113.25
158	XL	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	TF	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	TP	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	OC	501	GDP	C2-N3-C4	2.60	116.78	112.30
160	VA	501	GTP	C2-N3-C4	2.60	116.78	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	IT	501	GDP	C4-C5-N7	-2.60	106.55	110.67
160	DU	501	GTP	C5-C6-N1	2.60	119.87	113.25
158	BA	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	MY	501	GDP	C2-N3-C4	2.60	116.78	112.30
158	OQ	501	GDP	C2-N3-C4	2.60	116.77	112.30
158	RH	501	GDP	C2-N3-C4	2.60	116.77	112.30
160	IE	501	GTP	N9-C8-N7	-2.60	108.58	113.40
160	UY	602	GTP	C2-N3-C4	2.60	116.77	112.30
160	XS	501	GTP	C8-N7-C5	2.60	108.89	104.26
160	VE	501	GTP	C2-N3-C4	2.60	116.77	112.30
160	IG	501	GTP	C5-C6-N1	2.60	119.86	113.25
158	RD	501	GDP	C2-N3-C4	2.60	116.77	112.30
160	XO	602	GTP	C5-C6-N1	2.59	119.86	113.25
158	LS	501	GDP	C2-N3-C4	2.59	116.77	112.30
160	CT	602	GTP	C5-C6-N1	2.59	119.85	113.25
158	OO	501	GDP	C2-N3-C4	2.59	116.76	112.30
160	DO	501	GTP	C5-C6-N1	2.59	119.85	113.25
158	MU	501	GDP	C2-N3-C4	2.59	116.76	112.30
158	KO	501	GDP	C2-N3-C4	2.59	116.76	112.30
160	XC	602	GTP	C5-C4-N3	-2.59	124.27	128.39
158	GV	501	GDP	C2-N3-C4	2.59	116.76	112.30
158	ST	501	GDP	C2-N3-C4	2.59	116.76	112.30
158	TD	501	GDP	C2-N3-C4	2.59	116.76	112.30
160	HA	501	GTP	N9-C8-N7	-2.59	108.60	113.40
158	EJ	501	GDP	C2-N3-C4	2.59	116.76	112.30
158	ZU	501	GDP	C2-N3-C4	2.59	116.76	112.30
160	DS	602	GTP	C5-C6-N1	2.59	119.84	113.25
160	HE	602	GTP	N9-C8-N7	-2.59	108.60	113.40
158	HJ	501	GDP	C2-N3-C4	2.59	116.75	112.30
158	GP	501	GDP	C2-N3-C4	2.59	116.75	112.30
158	NE	501	GDP	C2-N3-C4	2.59	116.75	112.30
160	DO	501	GTP	O6-C6-C5	-2.58	119.71	126.53
158	PN	501	GDP	C2-N3-C4	2.58	116.75	112.30
160	ES	501	GTP	C8-N7-C5	2.58	108.86	104.26
158	CS	501	GDP	C4-C5-N7	-2.58	106.58	110.67
160	CV	501	GTP	C5-C6-N1	2.58	119.83	113.25
158	DC	501	GDP	C2-N3-C4	2.58	116.75	112.30
158	NC	501	GDP	C2-N3-C4	2.58	116.75	112.30
160	JR	602	GTP	C5-C6-N1	2.58	119.82	113.25
158	QF	501	GDP	C2-N3-C4	2.58	116.74	112.30
158	UE	501	GDP	C2-N3-C4	2.58	116.74	112.30
160	DS	602	GTP	C8-N7-C5	2.58	108.86	104.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	NQ	501	GDP	C2-N3-C4	2.58	116.74	112.30
160	Ad	602	GTP	C8-N7-C5	2.58	108.86	104.26
160	IU	501	GTP	C8-N7-C5	2.58	108.86	104.26
158	SF	501	GDP	C2-N3-C4	2.58	116.74	112.30
160	FY	501	GTP	C8-N7-C5	2.58	108.85	104.26
160	WM	602	GTP	C2-N3-C4	2.58	116.74	112.30
158	BQ	501	GDP	C2-N3-C4	2.58	116.74	112.30
160	FG	501	GTP	C5-C6-N1	2.58	119.81	113.25
160	AB	602	GTP	C8-N7-C5	2.58	108.85	104.26
158	KQ	501	GDP	C2-N3-C4	2.58	116.74	112.30
158	ID	501	GDP	C4-C5-N7	-2.58	106.59	110.67
158	DE	501	GDP	C2-N3-C4	2.58	116.73	112.30
158	MM	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	OK	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	RV	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	TJ	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	Ag	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	VP	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	QD	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	JM	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	YO	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	CK	501	GDP	C4-C5-N7	-2.57	106.59	110.67
158	OE	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	OU	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	SZ	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	ZA	501	GDP	C2-N3-C4	2.57	116.73	112.30
158	YY	501	GDP	C2-N3-C4	2.57	116.73	112.30
160	IK	602	GTP	C8-N7-C5	2.57	108.84	104.26
158	IL	501	GDP	C4-C5-N7	-2.57	106.60	110.67
158	IP	501	GDP	C4-C5-N7	-2.57	106.60	110.67
158	UC	501	GDP	C2-N3-C4	2.57	116.72	112.30
160	WA	602	GTP	O6-C6-C5	-2.57	119.75	126.53
160	XS	501	GTP	C5-C6-N1	2.57	119.79	113.25
158	GT	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	NO	501	GDP	C2-N3-C4	2.57	116.72	112.30
160	BH	602	GTP	C5-C6-N1	2.57	119.79	113.25
158	CQ	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	PL	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	DX	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	TB	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	BM	501	GDP	C2-N3-C4	2.57	116.72	112.30
158	UO	501	GDP	C2-N3-C4	2.57	116.72	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	UL	602	GTP	C2-N3-C4	2.57	116.72	112.30
158	KG	501	GDP	C2-N3-C4	2.56	116.72	112.30
158	PA	501	GDP	C2-N3-C4	2.56	116.72	112.30
160	EC	501	GTP	C8-N7-C5	2.56	108.83	104.26
158	QT	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	SP	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	CM	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	ER	501	GDP	C4-C5-N7	-2.56	106.61	110.67
158	UA	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	IZ	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	AE	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	YB	501	GDP	C2-N3-C4	2.56	116.71	112.30
160	BH	602	GTP	N9-C8-N7	-2.56	108.65	113.40
158	DK	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	NG	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	JI	501	GDP	C4-C5-N7	-2.56	106.61	110.67
157	7e	4701	ADP	C5-N7-C8	2.56	107.47	103.45
158	CC	501	GDP	C2-N3-C4	2.56	116.71	112.30
158	GB	501	GDP	C2-N3-C4	2.56	116.71	112.30
160	JH	602	GTP	C5-C6-N1	2.56	119.77	113.25
160	IQ	501	GTP	N9-C8-N7	-2.56	108.66	113.40
158	NS	501	GDP	C2-N3-C4	2.56	116.70	112.30
160	XE	501	GTP	C8-N7-C5	2.56	108.82	104.26
158	JU	501	GDP	C2-N3-C4	2.56	116.70	112.30
158	OS	501	GDP	C2-N3-C4	2.56	116.70	112.30
158	PZ	501	GDP	C2-N3-C4	2.56	116.70	112.30
158	KE	501	GDP	C2-N3-C4	2.56	116.70	112.30
158	TU	501	GDP	C2-N3-C4	2.56	116.70	112.30
160	BF	602	GTP	C5-C6-N1	2.56	119.76	113.25
160	WA	602	GTP	C5-C6-N1	2.56	119.76	113.25
160	CL	501	GTP	C8-N7-C5	2.56	108.81	104.26
158	LA	501	GDP	C2-N3-C4	2.56	116.70	112.30
158	OI	501	GDP	C2-N3-C4	2.56	116.70	112.30
160	XC	602	GTP	C2-N3-C4	2.56	116.70	112.30
160	QI	602	GTP	C8-N7-C5	2.56	108.81	104.26
158	OM	501	GDP	C2-N3-C4	2.55	116.70	112.30
158	TN	501	GDP	C2-N3-C4	2.55	116.70	112.30
158	DT	501	GDP	C4-C5-N7	-2.55	106.62	110.67
158	VR	501	GDP	C2-N3-C4	2.55	116.70	112.30
158	US	501	GDP	C2-N3-C4	2.55	116.70	112.30
158	QN	501	GDP	C2-N3-C4	2.55	116.69	112.30
158	OG	501	GDP	C2-N3-C4	2.55	116.69	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	KW	501	GDP	C2-N3-C4	2.55	116.69	112.30
158	UQ	501	GDP	C2-N3-C4	2.55	116.69	112.30
160	GA	602	GTP	C8-N7-C5	2.55	108.80	104.26
160	WU	501	GTP	C2-N3-C4	2.55	116.69	112.30
158	UG	501	GDP	C2-N3-C4	2.55	116.69	112.30
160	TX	602	GTP	O2B-PB-O3A	2.55	114.16	107.27
158	ME	501	GDP	C2-N3-C4	2.55	116.68	112.30
158	XD	501	GDP	C2-N3-C4	2.55	116.68	112.30
158	CW	501	GDP	C4-C5-N7	-2.54	106.64	110.67
160	WQ	602	GTP	C2-N3-C4	2.54	116.68	112.30
160	CL	501	GTP	C5-C6-N1	2.54	119.72	113.25
160	CV	501	GTP	C8-N7-C5	2.54	108.79	104.26
160	IE	501	GTP	C8-N7-C5	2.54	108.79	104.26
158	DR	501	GDP	C2-N3-C4	2.54	116.67	112.30
158	TS	501	GDP	C2-N3-C4	2.54	116.67	112.30
160	WQ	602	GTP	C5-C4-N3	-2.54	124.35	128.39
160	DU	501	GTP	C8-N7-C5	2.54	108.78	104.26
158	CY	501	GDP	C2-N3-C4	2.54	116.67	112.30
158	UK	501	GDP	C2-N3-C4	2.54	116.67	112.30
158	MQ	501	GDP	C4-C5-N7	-2.54	106.65	110.67
158	BK	501	GDP	C2-N3-C4	2.54	116.67	112.30
160	AD	501	GTP	C8-N7-C5	2.54	108.78	104.26
158	MC	501	GDP	C2-N3-C4	2.54	116.67	112.30
157	7b	4704	ADP	C5-N7-C8	2.53	107.43	103.45
160	JV	501	GTP	C8-N7-C5	2.53	108.78	104.26
160	BR	501	GTP	C5-C6-N1	2.53	119.70	113.25
160	IQ	501	GTP	O6-C6-C5	-2.53	119.84	126.53
160	ES	501	GTP	C5-C6-N1	2.53	119.70	113.25
160	CX	602	GTP	C8-N7-C5	2.53	108.77	104.26
158	IV	501	GDP	C4-C5-N7	-2.53	106.66	110.67
158	GN	501	GDP	C2-N3-C4	2.53	116.66	112.30
158	OY	501	GDP	C2-N3-C4	2.53	116.66	112.30
160	KL	602	GTP	C2-N1-C6	-2.53	120.52	125.11
158	VF	501	GDP	C2-N3-C4	2.53	116.66	112.30
158	TH	501	GDP	C2-N3-C4	2.53	116.65	112.30
160	CT	602	GTP	O6-C6-C5	-2.53	119.86	126.53
158	CE	501	GDP	C2-N3-C4	2.53	116.65	112.30
158	WD	501	GDP	C4-C5-N7	-2.53	106.67	110.67
158	EH	501	GDP	C2-N3-C4	2.53	116.65	112.30
158	PF	501	GDP	C2-N3-C4	2.53	116.65	112.30
158	ZK	501	GDP	C2-N3-C4	2.53	116.65	112.30
160	JX	501	GTP	C8-N7-C5	2.53	108.76	104.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	PV	501	GDP	C2-N3-C4	2.52	116.65	112.30
158	VH	501	GDP	C2-N3-C4	2.52	116.65	112.30
160	VQ	501	GTP	C2-N3-C4	2.52	116.65	112.30
158	BW	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	LC	501	GDP	C2-N3-C4	2.52	116.64	112.30
160	DW	602	GTP	C8-N7-C5	2.52	108.75	104.26
160	HE	602	GTP	C8-N7-C5	2.52	108.75	104.26
160	CX	602	GTP	C5-C6-N1	2.52	119.67	113.25
160	EC	501	GTP	O6-C6-C5	-2.52	119.88	126.53
160	IE	501	GTP	O6-C6-C5	-2.52	119.88	126.53
158	RF	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	TY	501	GDP	C2-N3-C4	2.52	116.64	112.30
160	BN	602	GTP	C8-N7-C5	2.52	108.75	104.26
158	QZ	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	XP	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	LQ	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	PX	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	YK	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	PP	501	GDP	C2-N3-C4	2.52	116.64	112.30
158	DG	501	GDP	C2-N3-C4	2.52	116.63	112.30
160	KN	602	GTP	C2-N1-C6	-2.52	120.55	125.11
158	JF	501	GDP	C2-N3-C4	2.52	116.63	112.30
160	BR	501	GTP	C8-N7-C5	2.52	108.74	104.26
158	UU	501	GDP	C2-N3-C4	2.51	116.63	112.30
158	IF	501	GDP	C4-C5-N7	-2.51	106.69	110.67
160	GS	602	GTP	C2-N1-C6	-2.51	120.55	125.11
158	EX	501	GDP	C2-N3-C4	2.51	116.63	112.30
160	CV	501	GTP	O6-C6-C5	-2.51	119.90	126.53
160	IU	501	GTP	O6-C6-C5	-2.51	119.90	126.53
158	RB	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	WR	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	BY	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	FN	501	GDP	C2-N3-C4	2.51	116.62	112.30
160	WE	602	GTP	C8-N7-C5	2.51	108.73	104.26
158	IR	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	YH	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	WL	501	GDP	C4-C5-N7	-2.51	106.69	110.67
158	PR	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	OA	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	TL	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	QH	501	GDP	C2-N3-C4	2.51	116.62	112.30
158	TW	501	GDP	C2-N3-C4	2.51	116.62	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	YM	501	GDP	C2-N3-C4	2.51	116.62	112.30
160	JJ	501	GTP	C5-C6-N1	2.51	119.63	113.25
160	BF	602	GTP	C8-N7-C5	2.51	108.72	104.26
160	QI	602	GTP	O6-C6-C5	-2.51	119.92	126.53
160	JR	602	GTP	C8-N7-C5	2.51	108.72	104.26
157	9f	4702	ADP	C5-N7-C8	2.50	107.39	103.45
158	BG	501	GDP	C2-N3-C4	2.50	116.61	112.30
158	BS	501	GDP	C2-N3-C4	2.50	116.61	112.30
160	WI	602	GTP	C2-N3-C4	2.50	116.61	112.30
160	OT	602	GTP	C2-N1-C6	-2.50	120.57	125.11
158	ZI	501	GDP	C2-N3-C4	2.50	116.61	112.30
160	KZ	602	GTP	C8-N7-C5	2.50	108.72	104.26
158	QB	501	GDP	C2-N3-C4	2.50	116.61	112.30
158	QR	501	GDP	C2-N3-C4	2.50	116.61	112.30
158	SX	501	GDP	C2-N3-C4	2.50	116.60	112.30
157	8f	4701	ADP	C5-N7-C8	2.50	107.38	103.45
158	XB	501	GDP	C2-N3-C4	2.50	116.60	112.30
158	XV	501	GDP	C2-N3-C4	2.50	116.60	112.30
158	PJ	501	GDP	C2-N3-C4	2.50	116.60	112.30
160	OP	501	GTP	C2-N1-C6	-2.50	120.58	125.11
158	EZ	602	GDP	C2-N3-C4	2.50	116.60	112.30
158	SV	501	GDP	C2-N3-C4	2.50	116.60	112.30
160	IG	501	GTP	O6-C6-C5	-2.50	119.94	126.53
160	JR	602	GTP	O6-C6-C5	-2.50	119.94	126.53
158	UM	501	GDP	C2-N3-C4	2.50	116.60	112.30
160	JV	501	GTP	C5-C6-N1	2.50	119.61	113.25
158	EF	501	GDP	C2-N3-C4	2.50	116.60	112.30
158	NU	501	GDP	C2-N3-C4	2.50	116.60	112.30
157	7f	4701	ADP	C5-N7-C8	2.49	107.37	103.45
158	VT	501	GDP	C2-N3-C4	2.49	116.59	112.30
158	FP	501	GDP	C2-N3-C4	2.49	116.59	112.30
160	UJ	501	GTP	O2B-PB-O3A	2.49	114.00	107.27
160	OH	501	GTP	C2-N1-C6	-2.49	120.60	125.11
158	VB	501	GDP	C2-N3-C4	2.49	116.59	112.30
158	MW	501	GDP	C2-N3-C4	2.49	116.58	112.30
158	PD	501	GDP	C2-N3-C4	2.49	116.58	112.30
158	UX	501	GDP	C2-N3-C4	2.49	116.58	112.30
160	JP	602	GTP	C8-N7-C5	2.49	108.69	104.26
160	WE	602	GTP	C5-C6-N1	2.49	119.58	113.25
158	GH	501	GDP	C2-N3-C4	2.49	116.58	112.30
160	FO	602	GTP	C2-N1-C6	-2.49	120.60	125.11
158	YW	501	GDP	C2-N3-C4	2.49	116.58	112.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	JX	501	GTP	O6-C6-C5	-2.48	119.98	126.53
158	DP	501	GDP	C2-N3-C4	2.48	116.58	112.30
160	JJ	501	GTP	C8-N7-C5	2.48	108.68	104.26
160	ZB	501	GTP	C2-N3-C4	2.48	116.57	112.30
160	WI	602	GTP	C5-C4-N3	-2.48	124.44	128.39
160	PC	602	GTP	C8-N7-C5	2.48	108.68	104.26
160	IQ	501	GTP	C8-N7-C5	2.48	108.68	104.26
158	JY	501	GDP	C4-C5-N7	-2.48	106.74	110.67
160	TA	602	GTP	C2-N1-C6	-2.48	120.62	125.11
157	8e	4701	ADP	C5-N7-C8	2.48	107.34	103.45
160	WU	501	GTP	C5-C4-N3	-2.48	124.45	128.39
160	JH	602	GTP	C8-N7-C5	2.48	108.67	104.26
160	DS	602	GTP	O6-C6-C5	-2.48	120.00	126.53
158	SN	501	GDP	C2-N3-C4	2.48	116.56	112.30
160	ZP	501	GTP	C2-N1-C6	-2.48	120.62	125.11
158	EN	501	GDP	C2-N3-C4	2.47	116.56	112.30
160	XE	501	GTP	O6-C6-C5	-2.47	120.00	126.53
158	FB	501	GDP	C2-N3-C4	2.47	116.56	112.30
160	GG	501	GTP	C2-N1-C6	-2.47	120.63	125.11
160	BH	602	GTP	C8-N7-C5	2.47	108.66	104.26
158	QP	501	GDP	C2-N3-C4	2.47	116.55	112.30
158	VD	501	GDP	C2-N3-C4	2.47	116.55	112.30
160	LJ	501	GTP	C2-N1-C6	-2.47	120.63	125.11
160	WA	602	GTP	C8-N7-C5	2.47	108.66	104.26
158	FT	501	GDP	C2-N3-C4	2.47	116.55	112.30
158	FL	602	GDP	C2-N3-C4	2.47	116.55	112.30
158	VZ	501	GDP	C2-N3-C4	2.47	116.55	112.30
160	NL	602	GTP	C2-N1-C6	-2.47	120.64	125.11
160	CL	501	GTP	O6-C6-C5	-2.47	120.02	126.53
158	JS	501	GDP	C4-C5-N7	-2.47	106.76	110.67
158	VV	501	GDP	C2-N3-C4	2.47	116.55	112.30
158	EV	501	GDP	C2-N3-C4	2.47	116.55	112.30
158	JO	501	GDP	C2-N3-C4	2.47	116.55	112.30
158	VJ	501	GDP	C2-N3-C4	2.47	116.55	112.30
160	IG	501	GTP	C8-N7-C5	2.46	108.65	104.26
160	Ap	501	GTP	C2-N1-C6	-2.46	120.64	125.11
158	FF	501	GDP	C2-N3-C4	2.46	116.54	112.30
158	KC	501	GDP	C2-N3-C4	2.46	116.54	112.30
160	MF	602	GTP	C2-N1-C6	-2.46	120.65	125.11
160	RM	501	GTP	C2-N1-C6	-2.46	120.65	125.11
160	LV	502	GTP	C2-N1-C6	-2.46	120.65	125.11
158	WX	501	GDP	C4-C5-N7	-2.46	106.77	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	UI	501	GDP	C2-N3-C4	2.46	116.53	112.30
160	TR	501	GTP	C2-N1-C6	-2.46	120.65	125.11
158	HX	501	GDP	C2-N3-C4	2.46	116.53	112.30
160	BN	602	GTP	O6-C6-C5	-2.46	120.05	126.53
160	DU	501	GTP	O6-C6-C5	-2.46	120.05	126.53
160	RC	501	GTP	C2-N1-C6	-2.46	120.66	125.11
160	GU	602	GTP	C2-N1-C6	-2.45	120.66	125.11
160	CT	602	GTP	C8-N7-C5	2.45	108.63	104.26
158	JG	501	GDP	C4-C5-N7	-2.45	106.78	110.67
158	NI	501	GDP	C2-N3-C4	2.45	116.52	112.30
160	RY	602	GTP	C2-N1-C6	-2.45	120.67	125.11
160	MJ	602	GTP	C2-N1-C6	-2.45	120.67	125.11
160	OR	602	GTP	C2-N1-C6	-2.45	120.67	125.11
160	TQ	602	GTP	C2-N1-C6	-2.45	120.67	125.11
158	VN	501	GDP	C2-N3-C4	2.45	116.52	112.30
160	An	602	GTP	C2-N1-C6	-2.45	120.67	125.11
160	EQ	602	GTP	C2-N1-C6	-2.45	120.67	125.11
160	YP	602	GTP	C2-N3-C4	2.45	116.51	112.30
160	GW	501	GTP	C2-N1-C6	-2.45	120.67	125.11
160	MB	502	GTP	C2-N1-C6	-2.45	120.68	125.11
160	TE	501	GTP	C2-N1-C6	-2.44	120.68	125.11
158	WT	501	GDP	C2-N3-C4	2.44	116.51	112.30
160	UD	501	GTP	C2-N1-C6	-2.44	120.68	125.11
160	Ab	501	GTP	C2-N1-C6	-2.44	120.68	125.11
160	LT	602	GTP	C2-N1-C6	-2.44	120.68	125.11
160	EU	501	GTP	C2-N1-C6	-2.44	120.68	125.11
160	IA	501	GTP	C2-N1-C6	-2.44	120.68	125.11
160	NX	501	GTP	C2-N1-C6	-2.44	120.68	125.11
160	XW	602	GTP	C2-N1-C6	-2.44	120.68	125.11
160	WE	602	GTP	O6-C6-C5	-2.44	120.09	126.53
160	HK	501	GTP	C2-N1-C6	-2.44	120.69	125.11
160	JA	501	GTP	C2-N1-C6	-2.44	120.69	125.11
157	7a	4703	ADP	C4-N9-C8	2.44	108.30	105.74
160	JH	602	GTP	O6-C6-C5	-2.44	120.10	126.53
158	WH	501	GDP	C2-N3-C4	2.44	116.49	112.30
158	WP	501	GDP	C2-N3-C4	2.44	116.49	112.30
160	SO	501	GTP	C2-N1-C6	-2.44	120.69	125.11
160	SK	602	GTP	C2-N1-C6	-2.43	120.70	125.11
160	FG	501	GTP	O6-C6-C5	-2.43	120.11	126.53
160	LD	602	GTP	C2-N1-C6	-2.43	120.70	125.11
160	TT	602	GTP	C2-N1-C6	-2.43	120.70	125.11
160	LL	501	GTP	C2-N1-C6	-2.43	120.70	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	XN	501	GDP	C2-N3-C4	2.43	116.48	112.30
160	FA	602	GTP	C2-N1-C6	-2.43	120.70	125.11
160	OF	501	GTP	C2-N1-C6	-2.43	120.71	125.11
158	JD	501	GDP	C2-N3-C4	2.43	116.48	112.30
160	AL	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	Af	501	GTP	C2-N1-C6	-2.43	120.71	125.11
158	VX	501	GDP	C2-N3-C4	2.43	116.48	112.30
160	IM	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	ZN	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	SG	501	GTP	C2-N1-C6	-2.43	120.71	125.11
160	XU	501	GTP	C2-N1-C6	-2.43	120.71	125.11
160	FS	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	HQ	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	ZV	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	MR	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	ZT	602	GTP	C2-N1-C6	-2.43	120.71	125.11
160	MH	501	GTP	C2-N1-C6	-2.42	120.71	125.11
160	KR	602	GTP	C2-N1-C6	-2.42	120.72	125.11
160	UH	501	GTP	C2-N1-C6	-2.42	120.72	125.11
158	FD	501	GDP	C2-N3-C4	2.42	116.47	112.30
160	ZH	501	GTP	C2-N1-C6	-2.42	120.72	125.11
160	CX	602	GTP	O6-C6-C5	-2.42	120.14	126.53
160	HG	501	GTP	C2-N1-C6	-2.42	120.72	125.11
160	MN	502	GTP	C2-N1-C6	-2.42	120.72	125.11
158	KA	501	GDP	C2-N3-C4	2.42	116.47	112.30
160	ZR	602	GTP	C2-N1-C6	-2.42	120.72	125.11
160	IK	602	GTP	O6-C6-C5	-2.42	120.14	126.53
160	UR	501	GTP	C2-N1-C6	-2.42	120.72	125.11
160	GI	501	GTP	C2-N1-C6	-2.42	120.72	125.11
158	JQ	501	GDP	C2-N3-C4	2.42	116.47	112.30
157	9e	5002	ADP	C5-N7-C8	2.42	107.25	103.45
160	AN	501	GTP	C2-N1-C6	-2.42	120.73	125.11
160	YE	602	GTP	C2-N1-C6	-2.42	120.73	125.11
160	BD	602	GTP	C2-N1-C6	-2.42	120.73	125.11
160	LZ	501	GTP	C2-N1-C6	-2.42	120.73	125.11
160	UP	501	GTP	C2-N1-C6	-2.42	120.73	125.11
157	7a	4703	ADP	C5-N7-C8	2.41	107.25	103.45
160	MZ	602	GTP	C2-N1-C6	-2.41	120.73	125.11
160	JV	501	GTP	O6-C6-C5	-2.41	120.16	126.53
160	HY	501	GTP	C2-N1-C6	-2.41	120.74	125.11
160	IY	501	GTP	C2-N1-C6	-2.41	120.74	125.11
160	GM	501	GTP	C2-N1-C6	-2.41	120.74	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	YV	602	GTP	C2-N1-C6	-2.41	120.74	125.11
160	SA	501	GTP	O2B-PB-O3A	2.41	113.78	107.27
160	BZ	501	GTP	C2-N1-C6	-2.41	120.74	125.11
160	FI	602	GTP	O6-C6-C5	-2.41	120.17	126.53
160	SC	602	GTP	C2-N1-C6	-2.41	120.74	125.11
160	YJ	602	GTP	C2-N1-C6	-2.41	120.75	125.11
160	AR	602	GTP	C2-N1-C6	-2.41	120.75	125.11
160	RU	501	GTP	C2-N1-C6	-2.41	120.75	125.11
160	OD	602	GTP	C2-N1-C6	-2.41	120.75	125.11
160	JJ	501	GTP	O6-C6-C5	-2.41	120.18	126.53
160	RS	501	GTP	C2-N1-C6	-2.40	120.75	125.11
160	TM	501	GTP	C2-N1-C6	-2.40	120.75	125.11
160	KX	501	GTP	C2-N1-C6	-2.40	120.75	125.11
160	Aj	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	RQ	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	XG	602	GTP	C2-N1-C6	-2.40	120.76	125.11
160	RG	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	BH	602	GTP	O6-C6-C5	-2.40	120.19	126.53
160	NB	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	TK	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	HE	602	GTP	C5-C6-N1	2.40	119.36	113.25
160	NN	501	GTP	C2-N1-C6	-2.40	120.76	125.11
160	SY	602	GTP	C2-N1-C6	-2.40	120.76	125.11
160	FI	602	GTP	C2-N1-C6	-2.40	120.76	125.11
160	GK	602	GTP	C2-N1-C6	-2.40	120.76	125.11
160	KZ	602	GTP	O6-C6-C5	-2.40	120.20	126.53
160	AF	501	GTP	C2-N1-C6	-2.40	120.77	125.11
160	SE	501	GTP	C2-N1-C6	-2.40	120.77	125.11
160	BF	602	GTP	O6-C6-C5	-2.40	120.21	126.53
160	XO	602	GTP	O6-C6-C5	-2.40	120.21	126.53
160	QU	602	GTP	C2-N1-C6	-2.39	120.77	125.11
160	FC	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	OV	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	LX	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	ZZ	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	LH	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	ON	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	RA	602	GTP	C2-N1-C6	-2.39	120.77	125.11
160	HE	602	GTP	C2-N1-C6	-2.39	120.77	125.11
160	ND	501	GTP	C2-N1-C6	-2.39	120.77	125.11
160	DW	602	GTP	O6-C6-C5	-2.39	120.22	126.53
160	ES	501	GTP	O6-C6-C5	-2.39	120.22	126.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	FW	602	GTP	O6-C6-C5	-2.39	120.22	126.53
160	NF	502	GTP	C2-N1-C6	-2.39	120.77	125.11
160	AJ	501	GTP	C2-N1-C6	-2.39	120.78	125.11
160	YA	602	GTP	C2-N1-C6	-2.39	120.78	125.11
160	OJ	602	GTP	C2-N1-C6	-2.39	120.78	125.11
160	LF	602	GTP	C2-N1-C6	-2.39	120.78	125.11
160	LR	501	GTP	C2-N1-C6	-2.39	120.78	125.11
160	AZ	501	GTP	C2-N1-C6	-2.39	120.78	125.11
160	LP	502	GTP	C2-N1-C6	-2.39	120.78	125.11
160	SM	501	GTP	C2-N1-C6	-2.39	120.78	125.11
158	FR	501	GDP	C2-N3-C4	2.39	116.41	112.30
160	QK	602	GTP	C2-N1-C6	-2.39	120.78	125.11
160	EM	501	GTP	C2-N1-C6	-2.38	120.79	125.11
160	MT	501	GTP	C2-N1-C6	-2.38	120.79	125.11
160	HW	501	GTP	C2-N1-C6	-2.38	120.79	125.11
160	II	501	GTP	O3B-PB-O1B	-2.38	103.53	110.70
160	AB	602	GTP	O6-C6-C5	-2.38	120.24	126.53
160	Al	602	GTP	C2-N1-C6	-2.38	120.79	125.11
158	PH	501	GDP	C2-N3-C4	2.38	116.40	112.30
158	BI	501	GDP	C2-N3-C4	2.38	116.40	112.30
160	GE	602	GTP	C2-N1-C6	-2.38	120.79	125.11
160	UF	501	GTP	C2-N1-C6	-2.38	120.79	125.11
158	VL	501	GDP	C2-N3-C4	2.38	116.40	112.30
160	JP	602	GTP	O6-C6-C5	-2.38	120.25	126.53
160	FI	602	GTP	C5-C6-N1	2.38	119.31	113.25
160	YT	602	GTP	C2-N1-C6	-2.38	120.80	125.11
158	PT	501	GDP	C2-N3-C4	2.38	116.39	112.30
160	PC	602	GTP	O6-C6-C5	-2.38	120.25	126.53
160	ZB	501	GTP	C2-N1-C6	-2.38	120.80	125.11
160	ZX	501	GTP	C2-N1-C6	-2.38	120.80	125.11
160	YR	501	GTP	C2-N1-C6	-2.38	120.80	125.11
160	UJ	501	GTP	O3B-PB-O1B	-2.38	103.56	110.70
160	EY	501	GTP	C2-N1-C6	-2.38	120.80	125.11
160	HM	602	GTP	C2-N1-C6	-2.38	120.80	125.11
160	QY	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	KB	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	GA	602	GTP	O6-C6-C5	-2.37	120.27	126.53
160	XS	501	GTP	O6-C6-C5	-2.37	120.27	126.53
160	YC	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	QQ	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	RO	602	GTP	C2-N1-C6	-2.37	120.81	125.11
160	Ad	602	GTP	O6-C6-C5	-2.37	120.27	126.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	HO	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	IW	501	GTP	C2-N1-C6	-2.37	120.81	125.11
160	DJ	501	GTP	C2-N1-C6	-2.37	120.81	125.11
158	DZ	501	GDP	C2-N3-C4	2.37	116.38	112.30
160	MX	502	GTP	C2-N1-C6	-2.37	120.82	125.11
158	UZ	501	GDP	C2-N3-C4	2.37	116.38	112.30
160	KD	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	TV	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	XK	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	FM	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	NV	503	GTP	C2-N1-C6	-2.37	120.82	125.11
160	NT	602	GTP	C2-N1-C6	-2.37	120.82	125.11
160	FK	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	MD	502	GTP	C2-N1-C6	-2.37	120.82	125.11
160	OZ	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	RW	501	GTP	C2-N1-C6	-2.37	120.82	125.11
160	QO	602	GTP	C2-N1-C6	-2.36	120.82	125.11
160	BP	501	GTP	C2-N1-C6	-2.36	120.83	125.11
160	HS	501	GTP	C2-N1-C6	-2.36	120.83	125.11
160	OB	501	GTP	C2-N1-C6	-2.36	120.83	125.11
160	IQ	501	GTP	C5-C6-N1	2.36	119.26	113.25
160	KT	501	GTP	C2-N1-C6	-2.36	120.83	125.11
160	ML	602	GTP	C2-N1-C6	-2.36	120.83	125.11
160	UT	501	GTP	C2-N1-C6	-2.36	120.83	125.11
160	NJ	503	GTP	C2-N1-C6	-2.36	120.83	125.11
160	QM	501	GTP	C2-N1-C6	-2.36	120.84	125.11
158	WJ	501	GDP	C2-N3-C4	2.36	116.36	112.30
160	BL	501	GTP	C2-N1-C6	-2.36	120.84	125.11
160	MP	501	GTP	C2-N1-C6	-2.35	120.84	125.11
160	FQ	501	GTP	C2-N1-C6	-2.35	120.84	125.11
160	PQ	501	GTP	C2-N1-C6	-2.35	120.84	125.11
160	YZ	602	GTP	C2-N1-C6	-2.35	120.84	125.11
160	QS	501	GTP	C2-N1-C6	-2.35	120.84	125.11
160	HE	602	GTP	O6-C6-C5	-2.35	120.32	126.53
160	AT	501	GTP	C2-N1-C6	-2.35	120.85	125.11
160	VC	501	GTP	O3B-PB-O1B	-2.35	103.63	110.70
160	DM	501	GTP	C2-N1-C6	-2.35	120.85	125.11
157	9e	5002	ADP	C4-N9-C8	2.35	108.20	105.74
160	IS	501	GTP	C2-N1-C6	-2.35	120.85	125.11
160	UN	602	GTP	C2-N1-C6	-2.35	120.85	125.11
160	AV	501	GTP	C2-N1-C6	-2.35	120.85	125.11
160	BR	501	GTP	O6-C6-C5	-2.35	120.34	126.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	EW	501	GTP	O3B-PB-O1B	-2.35	103.65	110.70
160	WW	501	GTP	C2-N1-C6	-2.35	120.86	125.11
160	Ah	501	GTP	C2-N1-C6	-2.34	120.86	125.11
160	CN	602	GTP	C2-N1-C6	-2.34	120.86	125.11
160	NH	502	GTP	C2-N1-C6	-2.34	120.86	125.11
160	UB	501	GTP	C2-N1-C6	-2.34	120.86	125.11
160	ZF	602	GTP	C2-N1-C6	-2.34	120.86	125.11
160	EA	501	GTP	C2-N1-C6	-2.34	120.86	125.11
158	DI	501	GDP	C2-N3-C4	2.34	116.33	112.30
158	EL	501	GDP	C2-N3-C4	2.34	116.33	112.30
160	GC	602	GTP	C2-N1-C6	-2.34	120.87	125.11
160	GA	602	GTP	C5-C6-N1	2.34	119.21	113.25
158	XZ	501	GDP	C2-N3-C4	2.34	116.33	112.30
160	MV	502	GTP	C2-N1-C6	-2.34	120.87	125.11
160	RK	602	GTP	C2-N1-C6	-2.34	120.87	125.11
160	SI	501	GTP	C2-N1-C6	-2.34	120.87	125.11
160	EK	602	GTP	C2-N1-C6	-2.34	120.87	125.11
160	AP	602	GTP	C2-N1-C6	-2.34	120.87	125.11
160	DQ	501	GTP	C2-N1-C6	-2.34	120.87	125.11
160	EO	501	GTP	C2-N1-C6	-2.34	120.87	125.11
160	XQ	501	GTP	C2-N1-C6	-2.33	120.88	125.11
160	AX	501	GTP	C2-N1-C6	-2.33	120.88	125.11
160	QW	501	GTP	C2-N1-C6	-2.33	120.89	125.11
160	QG	602	GTP	C2-N1-C6	-2.33	120.89	125.11
160	HA	501	GTP	O6-C6-C5	-2.33	120.38	126.53
160	OL	602	GTP	C2-N1-C6	-2.33	120.89	125.11
160	RE	501	GTP	C2-N1-C6	-2.33	120.89	125.11
160	KF	602	GTP	C2-N1-C6	-2.33	120.89	125.11
160	VC	501	GTP	O2A-PA-O1A	2.33	123.27	112.44
160	AH	501	GTP	C2-N1-C6	-2.33	120.89	125.11
160	GO	501	GTP	C2-N1-C6	-2.33	120.89	125.11
160	DY	501	GTP	C2-N1-C6	-2.33	120.89	125.11
160	SA	501	GTP	O3B-PB-O1B	-2.32	103.71	110.70
157	7b	4704	ADP	O4'-C1'-N9	2.32	112.55	108.09
160	ZD	501	GTP	C2-N1-C6	-2.32	120.90	125.11
160	EI	501	GTP	C2-N1-C6	-2.32	120.90	125.11
160	JC	501	GTP	C2-N1-C6	-2.32	120.90	125.11
160	EW	501	GTP	O6-C6-N1	-2.32	115.75	120.11
160	AD	501	GTP	O6-C6-C5	-2.32	120.40	126.53
160	OX	602	GTP	C2-N1-C6	-2.32	120.90	125.11
160	JP	602	GTP	C5-C6-N1	2.32	119.16	113.25
160	PO	602	GTP	C2-N1-C6	-2.32	120.90	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	LN	501	GTP	C2-N1-C6	-2.32	120.90	125.11
160	TI	501	GTP	C2-N1-C6	-2.32	120.90	125.11
160	GQ	602	GTP	C2-N1-C6	-2.32	120.91	125.11
160	DL	501	GTP	C2-N1-C6	-2.32	120.91	125.11
160	NR	502	GTP	C2-N1-C6	-2.32	120.91	125.11
160	WM	602	GTP	C2-N1-C6	-2.32	120.91	125.11
160	YX	602	GTP	C2-N1-C6	-2.31	120.91	125.11
158	WV	501	GDP	C2-N3-C4	2.31	116.28	112.30
160	BX	602	GTP	C2-N1-C6	-2.31	120.91	125.11
160	EE	501	GTP	C2-N1-C6	-2.31	120.91	125.11
160	YN	501	GTP	C2-N1-C6	-2.31	120.91	125.11
158	CH	501	GDP	C2-N3-C4	2.31	116.28	112.30
160	CR	501	GTP	C2-N1-C6	-2.31	120.92	125.11
160	YG	602	GTP	C2-N1-C6	-2.31	120.92	125.11
160	WC	501	GTP	C2-N1-C6	-2.31	120.92	125.11
160	JT	501	GTP	C2-N1-C6	-2.31	120.92	125.11
157	9e	5002	ADP	C3'-C2'-C1'	2.31	105.83	101.46
160	SW	501	GTP	C2-N1-C6	-2.31	120.93	125.11
160	JE	501	GTP	C2-N1-C6	-2.31	120.93	125.11
160	LB	501	GTP	C2-N1-C6	-2.31	120.93	125.11
160	PW	501	GTP	C2-N1-C6	-2.30	120.93	125.11
160	IQ	501	GTP	C2-N1-C6	-2.30	120.93	125.11
160	TO	501	GTP	C2-N1-C6	-2.30	120.94	125.11
160	FY	501	GTP	O6-C6-C5	-2.30	120.45	126.53
160	RI	501	GTP	C2-N1-C6	-2.30	120.94	125.11
160	TX	602	GTP	O2A-PA-O1A	2.30	123.15	112.44
160	WK	602	GTP	C2-N1-C6	-2.30	120.94	125.11
160	CP	602	GTP	C2-N1-C6	-2.30	120.94	125.11
160	FE	501	GTP	C2-N1-C6	-2.30	120.94	125.11
160	SA	501	GTP	O6-C6-N1	-2.30	115.79	120.11
160	WS	501	GTP	O3B-PB-O1B	-2.30	103.79	110.70
158	WB	501	GDP	C2-N3-C4	2.30	116.26	112.30
160	TC	501	GTP	C2-N1-C6	-2.30	120.95	125.11
160	XA	501	GTP	C2-N1-C6	-2.30	120.95	125.11
160	XI	602	GTP	C2-N1-C6	-2.29	120.95	125.11
157	7e	4701	ADP	C4-N9-C8	2.29	108.15	105.74
160	DF	501	GTP	C2-N1-C6	-2.29	120.95	125.11
158	WN	501	GDP	C2-N3-C4	2.29	116.25	112.30
160	HU	602	GTP	C2-N1-C6	-2.29	120.95	125.11
157	8e	4701	ADP	C4-N9-C8	2.29	108.14	105.74
160	KV	602	GTP	C2-N1-C6	-2.29	120.96	125.11
160	ZL	602	GTP	C2-N1-C6	-2.29	120.96	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	SU	501	GTP	C2-N1-C6	-2.29	120.97	125.11
160	YP	602	GTP	C2-N1-C6	-2.29	120.97	125.11
160	NP	501	GTP	C2-N1-C6	-2.29	120.97	125.11
160	TZ	602	GTP	C2-N1-C6	-2.28	120.97	125.11
158	WZ	501	GDP	C2-N3-C4	2.28	116.23	112.30
160	QC	501	GTP	C2-N1-C6	-2.28	120.97	125.11
160	VG	501	GTP	C2-N1-C6	-2.28	120.97	125.11
160	GA	602	GTP	C2-N1-C6	-2.28	120.97	125.11
160	VS	501	GTP	C2-N1-C6	-2.28	120.98	125.11
160	WY	602	GTP	C2-N1-C6	-2.28	120.98	125.11
160	BT	602	GTP	C2-N1-C6	-2.28	120.98	125.11
160	BV	602	GTP	C2-N1-C6	-2.27	120.99	125.11
160	HC	602	GTP	O6-C6-C5	-2.27	120.53	126.53
160	CZ	501	GTP	C2-N1-C6	-2.27	120.99	125.11
160	NZ	602	GTP	C2-N1-C6	-2.27	120.99	125.11
160	TG	501	GTP	C2-N1-C6	-2.27	120.99	125.11
160	CI	501	GTP	C2-N1-C6	-2.27	121.00	125.11
160	BB	501	GTP	C2-N1-C6	-2.27	121.00	125.11
160	KJ	602	GTP	C2-N1-C6	-2.27	121.00	125.11
160	PK	501	GTP	C2-N1-C6	-2.27	121.00	125.11
160	CD	602	GTP	C2-N1-C6	-2.26	121.00	125.11
160	CB	501	GTP	C2-N1-C6	-2.26	121.00	125.11
160	YL	602	GTP	C2-N1-C6	-2.26	121.00	125.11
160	KP	602	GTP	C2-N1-C6	-2.26	121.01	125.11
158	IP	501	GDP	O6-C6-C5	-2.26	120.57	126.53
160	KH	501	GTP	C2-N1-C6	-2.26	121.02	125.11
160	WO	501	GTP	C2-N1-C6	-2.26	121.02	125.11
160	WS	501	GTP	O2B-PB-O3A	2.26	113.37	107.27
160	PE	602	GTP	C2-N1-C6	-2.26	121.02	125.11
160	UJ	501	GTP	O2A-PA-O1A	2.25	122.93	112.44
160	VI	501	GTP	C2-N1-C6	-2.25	121.02	125.11
160	CF	501	GTP	C2-N1-C6	-2.25	121.03	125.11
160	CJ	501	GTP	C2-N1-C6	-2.25	121.03	125.11
160	VU	501	GTP	C2-N1-C6	-2.25	121.03	125.11
160	UW	602	GTP	C2-N1-C6	-2.25	121.04	125.11
160	DH	501	GTP	C2-N1-C6	-2.25	121.04	125.11
160	SQ	602	GTP	C2-N1-C6	-2.25	121.04	125.11
160	VO	501	GTP	O2A-PA-O1A	2.25	122.89	112.44
158	ID	501	GDP	O6-C6-C5	-2.24	120.61	126.53
160	QA	602	GTP	C2-N1-C6	-2.24	121.05	125.11
160	ZJ	501	GTP	C2-N1-C6	-2.24	121.05	125.11
160	VE	501	GTP	C2-N1-C6	-2.24	121.05	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	TX	602	GTP	O3G-PG-O2G	2.24	116.19	107.80
160	EG	501	GTP	C2-N1-C6	-2.24	121.06	125.11
160	PU	602	GTP	C2-N1-C6	-2.23	121.06	125.11
160	QU	602	GTP	N9-C4-N3	2.23	130.42	125.95
160	HI	602	GTP	C2-N1-C6	-2.23	121.07	125.11
160	VY	501	GTP	C2-N1-C6	-2.23	121.07	125.11
160	PM	602	GTP	C2-N1-C6	-2.23	121.07	125.11
160	VQ	501	GTP	C2-N1-C6	-2.23	121.07	125.11
157	7a	4703	ADP	C3'-C2'-C1'	2.23	105.67	101.46
160	RG	501	GTP	N9-C4-N3	2.23	130.40	125.95
160	JZ	501	GTP	C2-N1-C6	-2.22	121.08	125.11
160	BJ	602	GTP	C2-N1-C6	-2.22	121.08	125.11
160	DD	501	GTP	C2-N1-C6	-2.22	121.08	125.11
160	WG	501	GTP	O3G-PG-O2G	2.22	116.12	107.80
157	7e	4701	ADP	C3'-C2'-C1'	2.21	105.65	101.46
160	JA	501	GTP	N9-C4-N3	2.21	130.38	125.95
160	UL	602	GTP	C2-N1-C6	-2.21	121.10	125.11
160	VO	501	GTP	O3G-PG-O2G	2.21	116.09	107.80
160	SS	602	GTP	O6-C6-N1	-2.21	115.96	120.11
158	WX	501	GDP	O6-C6-C5	-2.20	120.73	126.53
160	UY	602	GTP	C2-N1-C6	-2.20	121.12	125.11
158	EB	501	GDP	O6-C6-C5	-2.20	120.73	126.53
160	XC	602	GTP	C2-N1-C6	-2.20	121.13	125.11
160	VA	501	GTP	C2-N1-C6	-2.19	121.13	125.11
158	IL	501	GDP	O6-C6-C5	-2.19	120.76	126.53
160	JN	501	GTP	C2-N1-C6	-2.19	121.14	125.11
160	VM	602	GTP	C2-N1-C6	-2.19	121.14	125.11
158	FH	501	GDP	O6-C6-C5	-2.19	120.76	126.53
160	PY	602	GTP	C2-N1-C6	-2.19	121.15	125.11
157	8e	4701	ADP	C3'-C2'-C1'	2.19	105.60	101.46
160	DB	501	GTP	C2-N1-C6	-2.19	121.15	125.11
160	WG	501	GTP	O2A-PA-O1A	2.18	122.60	112.44
157	8f	4701	ADP	C6-C5-N7	2.18	136.30	132.09
160	PI	602	GTP	C2-N1-C6	-2.18	121.16	125.11
160	IW	501	GTP	N9-C4-N3	2.18	130.31	125.95
158	WL	501	GDP	O6-C6-C5	-2.18	120.78	126.53
160	PG	501	GTP	C2-N1-C6	-2.18	121.16	125.11
160	PS	501	GTP	C2-N1-C6	-2.18	121.16	125.11
160	WI	602	GTP	C2-N1-C6	-2.18	121.16	125.11
160	SA	501	GTP	O3G-PG-O2G	2.18	115.96	107.80
158	BO	501	GDP	O4'-C1'-N9	2.18	113.29	108.36
158	JG	501	GDP	O6-C6-C5	-2.17	120.79	126.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
160	JP	602	GTP	N1-C2-N3	-2.17	119.34	123.32
160	QE	501	GTP	C2-N1-C6	-2.17	121.17	125.11
160	VW	501	GTP	C2-N1-C6	-2.17	121.17	125.11
158	ET	501	GDP	O6-C6-C5	-2.17	120.81	126.53
157	7f	4701	ADP	C6-C5-N7	2.17	136.26	132.09
158	JS	501	GDP	O6-C6-C5	-2.16	120.82	126.53
160	QY	501	GTP	N9-C4-N3	2.16	130.28	125.95
158	IH	501	GDP	O6-C6-C5	-2.16	120.83	126.53
160	QM	501	GTP	N9-C4-N3	2.16	130.27	125.95
158	ED	501	GDP	O6-C6-C5	-2.16	120.83	126.53
160	IM	602	GTP	N9-C4-N3	2.16	130.27	125.95
160	IO	501	GTP	O6-C6-N1	-2.16	116.06	120.11
160	BZ	501	GTP	N9-C4-N3	2.16	130.26	125.95
158	JI	501	GDP	O6-C6-C5	-2.16	120.84	126.53
158	CK	501	GDP	O6-C6-C5	-2.15	120.84	126.53
158	CW	501	GDP	O6-C6-C5	-2.15	120.85	126.53
158	IT	501	GDP	O6-C6-C5	-2.15	120.85	126.53
158	IV	501	GDP	O6-C6-C5	-2.15	120.86	126.53
160	VK	501	GTP	C2-N1-C6	-2.15	121.21	125.11
157	9f	4702	ADP	C6-C5-N7	2.15	136.24	132.09
157	7b	4704	ADP	N9-C8-N7	-2.15	110.89	113.94
160	JP	602	GTP	C2-N1-C6	-2.15	121.21	125.11
158	Ae	501	GDP	O2A-PA-O3A	2.15	113.08	107.27
158	DV	501	GDP	O6-C6-C5	-2.15	120.86	126.53
158	WD	501	GDP	O6-C6-C5	-2.15	120.87	126.53
158	AS	501	GDP	O6-C6-N1	-2.15	116.08	120.11
158	JK	501	GDP	O6-C6-C5	-2.15	120.87	126.53
160	XQ	501	GTP	N9-C4-N3	2.14	130.24	125.95
160	WQ	602	GTP	C2-N1-C6	-2.14	121.23	125.11
160	IY	501	GTP	N9-C4-N3	2.14	130.24	125.95
160	SS	602	GTP	O3G-PG-O2G	2.14	115.83	107.80
160	QO	602	GTP	N9-C4-N3	2.14	130.24	125.95
158	BU	501	GDP	O6-C6-C5	-2.14	120.89	126.53
158	DT	501	GDP	O6-C6-C5	-2.14	120.89	126.53
158	CS	501	GDP	O6-C6-C5	-2.13	120.90	126.53
160	QW	501	GTP	N9-C4-N3	2.13	130.22	125.95
158	JY	501	GDP	O6-C6-C5	-2.13	120.90	126.53
158	JW	501	GDP	O6-C6-C5	-2.13	120.90	126.53
160	RI	501	GTP	N9-C4-N3	2.13	130.22	125.95
160	AL	602	GTP	N9-C4-N3	2.13	130.21	125.95
157	7b	4704	ADP	C6-C5-N7	2.13	136.19	132.09
160	AR	602	GTP	N9-C4-N3	2.13	130.21	125.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	HD	501	GDP	O4'-C1'-N9	2.13	113.18	108.36
158	IF	501	GDP	O6-C6-C5	-2.13	120.92	126.53
160	RE	501	GTP	N9-C4-N3	2.12	130.20	125.95
160	AF	501	GTP	N9-C4-N3	2.12	130.20	125.95
158	BC	501	GDP	O6-C6-C5	-2.12	120.93	126.53
160	YC	501	GTP	N9-C4-N3	2.12	130.19	125.95
158	MQ	501	GDP	O6-C6-C5	-2.12	120.94	126.53
160	BD	602	GTP	N9-C4-N3	2.12	130.19	125.95
160	QG	602	GTP	N9-C4-N3	2.12	130.19	125.95
158	XF	501	GDP	O6-C6-C5	-2.12	120.95	126.53
157	7f	4701	ADP	O4'-C1'-N9	2.12	112.15	108.09
160	GG	501	GTP	N9-C4-N3	2.12	130.18	125.95
157	9f	4702	ADP	O4'-C1'-N9	2.11	112.15	108.09
160	PQ	501	GTP	N9-C4-N3	2.11	130.18	125.95
160	CF	501	GTP	N9-C4-N3	2.11	130.17	125.95
160	BJ	602	GTP	N9-C4-N3	2.11	130.17	125.95
160	WU	501	GTP	C2-N1-C6	-2.11	121.29	125.11
160	CI	501	GTP	N9-C4-N3	2.10	130.16	125.95
160	RA	602	GTP	N9-C4-N3	2.10	130.16	125.95
158	CU	501	GDP	O6-C6-C5	-2.10	120.99	126.53
160	JC	501	GTP	N9-C4-N3	2.10	130.15	125.95
160	EO	501	GTP	N9-C4-N3	2.10	130.15	125.95
160	AX	501	GTP	N9-C4-N3	2.10	130.14	125.95
160	QK	602	GTP	N9-C4-N3	2.09	130.14	125.95
157	7f	4701	ADP	N9-C8-N7	-2.09	110.97	113.94
160	BT	602	GTP	N9-C4-N3	2.09	130.13	125.95
160	QC	501	GTP	N9-C4-N3	2.09	130.13	125.95
157	9f	4702	ADP	N9-C8-N7	-2.09	110.97	113.94
160	QS	501	GTP	N9-C4-N3	2.08	130.12	125.95
157	8f	4701	ADP	N9-C8-N7	-2.08	110.98	113.94
160	GS	602	GTP	N9-C4-N3	2.08	130.12	125.95
158	WF	501	GDP	O6-C6-C5	-2.08	121.04	126.53
160	UH	501	GTP	N9-C4-N3	2.08	130.12	125.95
160	PE	602	GTP	N9-C4-N3	2.08	130.11	125.95
160	PY	602	GTP	N9-C4-N3	2.08	130.11	125.95
160	DQ	501	GTP	N9-C4-N3	2.08	130.11	125.95
160	GA	602	GTP	N1-C2-N3	-2.08	119.52	123.32
158	DN	501	GDP	O6-C6-C5	-2.08	121.05	126.53
160	VO	501	GTP	O3B-PB-O1B	-2.07	104.46	110.70
160	BL	501	GTP	N9-C4-N3	2.07	130.10	125.95
160	VC	501	GTP	O3G-PG-O2G	2.07	115.57	107.80
160	IQ	501	GTP	N1-C2-N3	-2.07	119.53	123.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	BU	501	GDP	O4'-C1'-N9	2.07	113.05	108.36
160	IS	501	GTP	N9-C4-N3	2.07	130.09	125.95
160	XG	602	GTP	N9-C4-N3	2.07	130.09	125.95
160	Aj	501	GTP	N9-C4-N3	2.07	130.09	125.95
160	NF	502	GTP	N9-C4-N3	2.07	130.09	125.95
160	ZX	501	GTP	N9-C4-N3	2.07	130.09	125.95
160	BX	602	GTP	N9-C4-N3	2.07	130.09	125.95
160	HE	602	GTP	N1-C2-N3	-2.07	119.54	123.32
158	AC	501	GDP	O6-C6-C5	-2.07	121.08	126.53
158	HD	501	GDP	O6-C6-C5	-2.07	121.08	126.53
158	ER	501	GDP	O6-C6-C5	-2.06	121.08	126.53
160	PM	602	GTP	N9-C4-N3	2.06	130.08	125.95
160	MT	501	GTP	N9-C4-N3	2.06	130.07	125.95
160	MV	502	GTP	N9-C4-N3	2.06	130.07	125.95
160	BV	602	GTP	N9-C4-N3	2.06	130.07	125.95
160	YE	602	GTP	N9-C4-N3	2.06	130.07	125.95
160	YJ	602	GTP	N9-C4-N3	2.06	130.07	125.95
158	AO	501	GDP	O6-C6-C5	-2.06	121.11	126.53
160	JE	501	GTP	N9-C4-N3	2.05	130.06	125.95
160	HQ	602	GTP	N9-C4-N3	2.05	130.05	125.95
160	ZH	501	GTP	N9-C4-N3	2.05	130.05	125.95
160	FA	602	GTP	N9-C4-N3	2.05	130.05	125.95
160	UN	602	GTP	N9-C4-N3	2.04	130.04	125.95
158	FV	501	GDP	C8-N7-C5	2.04	107.90	104.26
160	MH	501	GTP	N9-C4-N3	2.04	130.04	125.95
160	UT	501	GTP	N9-C4-N3	2.04	130.04	125.95
160	KR	602	GTP	N9-C4-N3	2.04	130.03	125.95
158	AG	501	GDP	O6-C6-N1	-2.04	116.28	120.11
160	ZF	602	GTP	N9-C4-N3	2.04	130.03	125.95
160	LV	502	GTP	N9-C4-N3	2.04	130.03	125.95
160	RO	602	GTP	N9-C4-N3	2.04	130.03	125.95
160	Af	501	GTP	N9-C4-N3	2.04	130.03	125.95
160	YV	602	GTP	N9-C4-N3	2.03	130.02	125.95
160	YG	602	GTP	N9-C4-N3	2.03	130.02	125.95
160	NT	602	GTP	N9-C4-N3	2.03	130.02	125.95
160	FM	501	GTP	N9-C4-N3	2.03	130.01	125.95
160	LB	501	GTP	N9-C4-N3	2.03	130.01	125.95
160	NR	502	GTP	N9-C4-N3	2.03	130.01	125.95
160	KP	602	GTP	N9-C4-N3	2.03	130.01	125.95
160	KD	501	GTP	N9-C4-N3	2.02	130.00	125.95
160	LD	602	GTP	N9-C4-N3	2.02	130.00	125.95
160	CB	501	GTP	N9-C4-N3	2.02	130.00	125.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
158	GZ	501	GDP	O6-C6-C5	-2.02	121.20	126.53
160	An	602	GTP	N9-C4-N3	2.02	129.99	125.95
160	TV	501	GTP	N9-C4-N3	2.02	129.99	125.95
160	HM	602	GTP	N9-C4-N3	2.02	129.99	125.95
158	IN	501	GDP	O6-C6-C5	-2.02	121.21	126.53
160	DF	501	GTP	N9-C4-N3	2.02	129.99	125.95
160	NH	502	GTP	N9-C4-N3	2.02	129.99	125.95
160	ZR	602	GTP	N9-C4-N3	2.02	129.99	125.95
160	NL	602	GTP	N9-C4-N3	2.02	129.98	125.95
160	RC	501	GTP	N9-C4-N3	2.01	129.98	125.95
160	YA	602	GTP	N9-C4-N3	2.01	129.98	125.95
160	ZB	501	GTP	N9-C4-N3	2.01	129.98	125.95
160	LN	501	GTP	N9-C4-N3	2.01	129.98	125.95
160	MP	501	GTP	N9-C4-N3	2.01	129.98	125.95
160	TK	501	GTP	N9-C4-N3	2.01	129.97	125.95
160	ZT	602	GTP	N9-C4-N3	2.01	129.97	125.95
160	HY	501	GTP	N9-C4-N3	2.01	129.97	125.95
160	MZ	602	GTP	N9-C4-N3	2.01	129.97	125.95
160	TR	501	GTP	N9-C4-N3	2.01	129.97	125.95
160	ES	501	GTP	O2B-PB-O3B	2.01	112.69	107.27
160	KN	602	GTP	N9-C4-N3	2.01	129.96	125.95
160	XU	501	GTP	N9-C4-N3	2.00	129.96	125.95
160	XI	602	GTP	N9-C4-N3	2.00	129.96	125.95
160	II	501	GTP	O3G-PG-O2G	2.00	115.32	107.80
160	AZ	501	GTP	N9-C4-N3	2.00	129.96	125.95
160	Ab	501	GTP	N9-C4-N3	2.00	129.96	125.95
160	LL	501	GTP	N9-C4-N3	2.00	129.96	125.95
160	XW	602	GTP	N9-C4-N3	2.00	129.96	125.95
160	TZ	602	GTP	N9-C4-N3	2.00	129.96	125.95
160	NP	501	GTP	N9-C4-N3	2.00	129.95	125.95

There are no chirality outliers.

All (2595) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
156	7a	4701	ATP	C5'-O5'-PA-O3A
156	7a	4701	ATP	C4'-C5'-O5'-PA
156	7a	4702	ATP	PB-O3B-PG-O2G
156	7a	4702	ATP	C5'-O5'-PA-O2A
156	7a	4702	ATP	C5'-O5'-PA-O3A
156	7a	4704	ATP	O4'-C1'-N9-C8
156	7a	4704	ATP	O4'-C1'-N9-C4

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Mol	Chain	Res	Type	Atoms
156	7b	4703	ATP	PB-O3B-PG-O2G
156	7b	4703	ATP	C5'-O5'-PA-O1A
156	7b	4703	ATP	C5'-O5'-PA-O2A
156	7b	4703	ATP	C5'-O5'-PA-O3A
156	7e	4702	ATP	C5'-O5'-PA-O3A
156	7e	4702	ATP	C4'-C5'-O5'-PA
156	7e	4703	ATP	PB-O3B-PG-O2G
156	7e	4703	ATP	C5'-O5'-PA-O2A
156	7e	4704	ATP	O4'-C1'-N9-C8
156	7e	4704	ATP	O4'-C1'-N9-C4
156	7f	4702	ATP	C5'-O5'-PA-O1A
156	7f	4702	ATP	C5'-O5'-PA-O2A
156	7f	4702	ATP	C5'-O5'-PA-O3A
156	7f	4702	ATP	C3'-C4'-C5'-O5'
156	7f	4703	ATP	C5'-O5'-PA-O1A
156	7f	4703	ATP	C5'-O5'-PA-O2A
156	7f	4703	ATP	C5'-O5'-PA-O3A
156	8e	4702	ATP	PB-O3B-PG-O3G
156	8e	4703	ATP	C5'-O5'-PA-O3A
156	8e	4703	ATP	C4'-C5'-O5'-PA
156	8f	4702	ATP	PB-O3A-PA-O5'
156	8f	4702	ATP	C5'-O5'-PA-O2A
156	8f	4703	ATP	C5'-O5'-PA-O2A
156	8f	4703	ATP	C5'-O5'-PA-O3A
156	8f	4704	ATP	C5'-O5'-PA-O2A
156	8f	4704	ATP	C5'-O5'-PA-O3A
156	8f	4704	ATP	O4'-C4'-C5'-O5'
156	8f	4704	ATP	C3'-C4'-C5'-O5'
156	9e	5001	ATP	O4'-C1'-N9-C8
156	9e	5001	ATP	O4'-C1'-N9-C4
156	9e	5003	ATP	C5'-O5'-PA-O3A
156	9e	5003	ATP	C4'-C5'-O5'-PA
156	9e	5004	ATP	PB-O3B-PG-O2G
156	9f	4701	ATP	C5'-O5'-PA-O1A
156	9f	4701	ATP	C5'-O5'-PA-O2A
156	9f	4701	ATP	C5'-O5'-PA-O3A
156	9f	4701	ATP	C3'-C4'-C5'-O5'
156	9f	4704	ATP	C5'-O5'-PA-O1A
156	9f	4704	ATP	C5'-O5'-PA-O2A
156	9f	4704	ATP	C5'-O5'-PA-O3A
157	7a	4703	ADP	O4'-C4'-C5'-O5'
157	7e	4701	ADP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
157	8e	4701	ADP	O4'-C4'-C5'-O5'
157	8f	4701	ADP	C5'-O5'-PA-O3A
157	9e	5002	ADP	O4'-C4'-C5'-O5'
157	9f	4702	ADP	C5'-O5'-PA-O3A
157	9f	4702	ADP	C2'-C1'-N9-C8
158	AA	501	GDP	C5'-O5'-PA-O3A
158	AC	501	GDP	C5'-O5'-PA-O3A
158	AE	501	GDP	C5'-O5'-PA-O3A
158	AG	501	GDP	C5'-O5'-PA-O2A
158	AI	501	GDP	C5'-O5'-PA-O3A
158	AK	501	GDP	C5'-O5'-PA-O3A
158	AM	501	GDP	C5'-O5'-PA-O3A
158	AO	501	GDP	C5'-O5'-PA-O3A
158	AQ	501	GDP	C5'-O5'-PA-O3A
158	AS	501	GDP	C5'-O5'-PA-O2A
158	AU	501	GDP	C5'-O5'-PA-O3A
158	AW	501	GDP	C5'-O5'-PA-O3A
158	AY	501	GDP	C5'-O5'-PA-O3A
158	Aa	501	GDP	C5'-O5'-PA-O3A
158	Ac	501	GDP	C5'-O5'-PA-O3A
158	Ae	501	GDP	C5'-O5'-PA-O3A
158	Ae	501	GDP	C5'-O5'-PA-O1A
158	Ae	501	GDP	C5'-O5'-PA-O2A
158	Ag	501	GDP	C5'-O5'-PA-O3A
158	Ai	501	GDP	C5'-O5'-PA-O3A
158	Ak	501	GDP	C5'-O5'-PA-O3A
158	Am	501	GDP	C5'-O5'-PA-O3A
158	Ao	501	GDP	C5'-O5'-PA-O3A
158	BA	501	GDP	C5'-O5'-PA-O3A
158	BC	501	GDP	C5'-O5'-PA-O3A
158	BG	501	GDP	C5'-O5'-PA-O3A
158	BI	501	GDP	C5'-O5'-PA-O3A
158	BK	501	GDP	C5'-O5'-PA-O3A
158	BM	501	GDP	C5'-O5'-PA-O3A
158	BO	501	GDP	C5'-O5'-PA-O3A
158	BQ	501	GDP	C5'-O5'-PA-O3A
158	BS	501	GDP	C5'-O5'-PA-O3A
158	BU	501	GDP	C5'-O5'-PA-O3A
158	BW	501	GDP	C5'-O5'-PA-O3A
158	BY	501	GDP	C5'-O5'-PA-O3A
158	CA	501	GDP	C5'-O5'-PA-O3A
158	CC	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	CE	501	GDP	C5'-O5'-PA-O3A
158	CH	501	GDP	C5'-O5'-PA-O3A
158	CK	501	GDP	C5'-O5'-PA-O3A
158	CM	501	GDP	C5'-O5'-PA-O3A
158	CO	501	GDP	C5'-O5'-PA-O3A
158	CQ	501	GDP	C5'-O5'-PA-O3A
158	CS	501	GDP	C5'-O5'-PA-O3A
158	CU	501	GDP	C5'-O5'-PA-O3A
158	CW	501	GDP	C5'-O5'-PA-O3A
158	CY	501	GDP	C5'-O5'-PA-O3A
158	DA	501	GDP	C5'-O5'-PA-O3A
158	DC	501	GDP	C5'-O5'-PA-O3A
158	DE	501	GDP	C5'-O5'-PA-O3A
158	DG	501	GDP	C5'-O5'-PA-O3A
158	DI	501	GDP	C5'-O5'-PA-O3A
158	DK	501	GDP	C5'-O5'-PA-O3A
158	DN	501	GDP	C5'-O5'-PA-O3A
158	DP	501	GDP	C5'-O5'-PA-O3A
158	DR	501	GDP	C5'-O5'-PA-O3A
158	DT	501	GDP	C5'-O5'-PA-O3A
158	DV	501	GDP	C5'-O5'-PA-O3A
158	DX	501	GDP	C5'-O5'-PA-O3A
158	DZ	501	GDP	C5'-O5'-PA-O3A
158	EB	501	GDP	C5'-O5'-PA-O3A
158	ED	501	GDP	C5'-O5'-PA-O3A
158	EF	501	GDP	C5'-O5'-PA-O3A
158	EH	501	GDP	C5'-O5'-PA-O3A
158	EJ	501	GDP	C5'-O5'-PA-O3A
158	EL	501	GDP	C5'-O5'-PA-O3A
158	EN	501	GDP	C5'-O5'-PA-O3A
158	ER	501	GDP	C5'-O5'-PA-O3A
158	ET	501	GDP	C5'-O5'-PA-O3A
158	EV	501	GDP	C5'-O5'-PA-O3A
158	EX	501	GDP	C5'-O5'-PA-O3A
158	EZ	602	GDP	C5'-O5'-PA-O3A
158	FB	501	GDP	C5'-O5'-PA-O3A
158	FD	501	GDP	C5'-O5'-PA-O3A
158	FF	501	GDP	C5'-O5'-PA-O3A
158	FH	501	GDP	C5'-O5'-PA-O3A
158	FJ	501	GDP	C5'-O5'-PA-O3A
158	FL	602	GDP	C5'-O5'-PA-O3A
158	FN	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	FP	501	GDP	C5'-O5'-PA-O3A
158	FR	501	GDP	C5'-O5'-PA-O3A
158	FT	501	GDP	C5'-O5'-PA-O3A
158	FV	501	GDP	C5'-O5'-PA-O3A
158	FX	501	GDP	C5'-O5'-PA-O3A
158	FZ	501	GDP	C5'-O5'-PA-O3A
158	GB	501	GDP	C5'-O5'-PA-O3A
158	GD	501	GDP	C5'-O5'-PA-O3A
158	GF	501	GDP	C5'-O5'-PA-O3A
158	GH	501	GDP	C5'-O5'-PA-O3A
158	GJ	501	GDP	C5'-O5'-PA-O3A
158	GL	501	GDP	C5'-O5'-PA-O3A
158	GN	501	GDP	C5'-O5'-PA-O3A
158	GP	501	GDP	C5'-O5'-PA-O3A
158	GR	501	GDP	C5'-O5'-PA-O3A
158	GT	501	GDP	C5'-O5'-PA-O3A
158	GV	501	GDP	C5'-O5'-PA-O3A
158	GX	501	GDP	C5'-O5'-PA-O3A
158	GZ	501	GDP	C5'-O5'-PA-O3A
158	HB	501	GDP	C5'-O5'-PA-O3A
158	HB	501	GDP	C5'-O5'-PA-O1A
158	HD	501	GDP	C5'-O5'-PA-O3A
158	HF	501	GDP	C5'-O5'-PA-O3A
158	HH	501	GDP	C5'-O5'-PA-O3A
158	HJ	501	GDP	C5'-O5'-PA-O3A
158	HL	501	GDP	C5'-O5'-PA-O3A
158	HN	501	GDP	C5'-O5'-PA-O3A
158	HN	501	GDP	C5'-O5'-PA-O1A
158	HP	501	GDP	C5'-O5'-PA-O3A
158	HR	501	GDP	C5'-O5'-PA-O3A
158	HT	501	GDP	C5'-O5'-PA-O3A
158	HV	501	GDP	C5'-O5'-PA-O3A
158	HX	501	GDP	C5'-O5'-PA-O3A
158	HZ	501	GDP	C5'-O5'-PA-O3A
158	HZ	501	GDP	C5'-O5'-PA-O1A
158	IB	501	GDP	C5'-O5'-PA-O3A
158	ID	501	GDP	C5'-O5'-PA-O3A
158	IF	501	GDP	C5'-O5'-PA-O3A
158	IH	501	GDP	C5'-O5'-PA-O3A
158	IJ	501	GDP	C5'-O5'-PA-O3A
158	IL	501	GDP	C5'-O5'-PA-O3A
158	IN	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	IP	501	GDP	C5'-O5'-PA-O3A
158	IR	501	GDP	C5'-O5'-PA-O3A
158	IT	501	GDP	C5'-O5'-PA-O3A
158	IV	501	GDP	C5'-O5'-PA-O3A
158	IX	501	GDP	C5'-O5'-PA-O3A
158	IZ	501	GDP	C5'-O5'-PA-O3A
158	JB	501	GDP	C5'-O5'-PA-O3A
158	JD	501	GDP	C5'-O5'-PA-O3A
158	JF	501	GDP	C5'-O5'-PA-O3A
158	JG	501	GDP	C5'-O5'-PA-O3A
158	JI	501	GDP	C5'-O5'-PA-O3A
158	JK	501	GDP	C5'-O5'-PA-O3A
158	JM	501	GDP	C5'-O5'-PA-O3A
158	JO	501	GDP	C5'-O5'-PA-O3A
158	JQ	501	GDP	C5'-O5'-PA-O3A
158	JS	501	GDP	C5'-O5'-PA-O3A
158	JU	501	GDP	C5'-O5'-PA-O3A
158	JW	501	GDP	C5'-O5'-PA-O3A
158	JY	501	GDP	C5'-O5'-PA-O3A
158	KA	501	GDP	C5'-O5'-PA-O3A
158	KC	501	GDP	C5'-O5'-PA-O3A
158	KE	501	GDP	C5'-O5'-PA-O3A
158	KG	501	GDP	C5'-O5'-PA-O3A
158	KI	501	GDP	C5'-O5'-PA-O3A
158	KK	501	GDP	C5'-O5'-PA-O3A
158	KM	501	GDP	C5'-O5'-PA-O3A
158	KO	501	GDP	C5'-O5'-PA-O3A
158	KQ	501	GDP	C5'-O5'-PA-O3A
158	KS	501	GDP	C5'-O5'-PA-O3A
158	KU	501	GDP	C5'-O5'-PA-O3A
158	KW	501	GDP	C5'-O5'-PA-O3A
158	KY	501	GDP	C5'-O5'-PA-O3A
158	LA	501	GDP	C5'-O5'-PA-O3A
158	LC	501	GDP	C5'-O5'-PA-O3A
158	LE	501	GDP	C5'-O5'-PA-O3A
158	LG	501	GDP	C5'-O5'-PA-O3A
158	LI	501	GDP	C5'-O5'-PA-O3A
158	LK	501	GDP	C5'-O5'-PA-O3A
158	LM	501	GDP	C5'-O5'-PA-O3A
158	LO	501	GDP	C5'-O5'-PA-O3A
158	LQ	501	GDP	C5'-O5'-PA-O3A
158	LS	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	LU	501	GDP	C5'-O5'-PA-O3A
158	LW	501	GDP	C5'-O5'-PA-O3A
158	LY	501	GDP	C5'-O5'-PA-O3A
158	MA	501	GDP	C5'-O5'-PA-O3A
158	MC	501	GDP	C5'-O5'-PA-O3A
158	ME	501	GDP	C5'-O5'-PA-O3A
158	MG	501	GDP	C5'-O5'-PA-O3A
158	MI	501	GDP	C5'-O5'-PA-O3A
158	MK	501	GDP	C5'-O5'-PA-O3A
158	MM	501	GDP	C5'-O5'-PA-O3A
158	MO	501	GDP	C5'-O5'-PA-O3A
158	MQ	501	GDP	C5'-O5'-PA-O3A
158	MU	501	GDP	C5'-O5'-PA-O3A
158	MW	501	GDP	C5'-O5'-PA-O3A
158	MY	501	GDP	C5'-O5'-PA-O3A
158	NA	501	GDP	C5'-O5'-PA-O3A
158	NC	501	GDP	C5'-O5'-PA-O3A
158	NE	501	GDP	C5'-O5'-PA-O3A
158	NG	501	GDP	C5'-O5'-PA-O3A
158	NI	501	GDP	C5'-O5'-PA-O3A
158	NK	501	GDP	C5'-O5'-PA-O3A
158	NM	501	GDP	C5'-O5'-PA-O3A
158	NO	501	GDP	C5'-O5'-PA-O3A
158	NQ	501	GDP	C5'-O5'-PA-O3A
158	NS	501	GDP	C5'-O5'-PA-O3A
158	NU	501	GDP	C5'-O5'-PA-O3A
158	NY	501	GDP	C5'-O5'-PA-O3A
158	OA	501	GDP	C5'-O5'-PA-O3A
158	OC	501	GDP	C5'-O5'-PA-O3A
158	OE	501	GDP	C5'-O5'-PA-O3A
158	OG	501	GDP	C5'-O5'-PA-O3A
158	OI	501	GDP	C5'-O5'-PA-O3A
158	OK	501	GDP	C5'-O5'-PA-O3A
158	OM	501	GDP	C5'-O5'-PA-O3A
158	OO	501	GDP	C5'-O5'-PA-O3A
158	OQ	501	GDP	C5'-O5'-PA-O3A
158	OS	501	GDP	C5'-O5'-PA-O3A
158	OU	501	GDP	C5'-O5'-PA-O3A
158	OW	501	GDP	C5'-O5'-PA-O3A
158	OY	501	GDP	C5'-O5'-PA-O3A
158	PA	501	GDP	C5'-O5'-PA-O3A
158	PD	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	PF	501	GDP	C5'-O5'-PA-O3A
158	PH	501	GDP	C5'-O5'-PA-O3A
158	PJ	501	GDP	C5'-O5'-PA-O3A
158	PL	501	GDP	C5'-O5'-PA-O3A
158	PN	501	GDP	C5'-O5'-PA-O3A
158	PP	501	GDP	C5'-O5'-PA-O3A
158	PR	501	GDP	C5'-O5'-PA-O3A
158	PT	501	GDP	C5'-O5'-PA-O3A
158	PV	501	GDP	C5'-O5'-PA-O3A
158	PX	501	GDP	C5'-O5'-PA-O3A
158	PZ	501	GDP	C5'-O5'-PA-O3A
158	QB	501	GDP	C5'-O5'-PA-O3A
158	QD	501	GDP	C5'-O5'-PA-O3A
158	QF	501	GDP	C5'-O5'-PA-O3A
158	QH	501	GDP	C5'-O5'-PA-O3A
158	QJ	501	GDP	C5'-O5'-PA-O3A
158	QL	501	GDP	C5'-O5'-PA-O3A
158	QN	501	GDP	C5'-O5'-PA-O3A
158	QP	501	GDP	C5'-O5'-PA-O3A
158	QR	501	GDP	C5'-O5'-PA-O3A
158	QT	501	GDP	C5'-O5'-PA-O3A
158	QV	501	GDP	C5'-O5'-PA-O3A
158	QX	501	GDP	C5'-O5'-PA-O3A
158	QZ	501	GDP	C5'-O5'-PA-O3A
158	RB	501	GDP	C5'-O5'-PA-O3A
158	RD	501	GDP	C5'-O5'-PA-O3A
158	RF	501	GDP	C5'-O5'-PA-O3A
158	RH	501	GDP	C5'-O5'-PA-O3A
158	RJ	501	GDP	C5'-O5'-PA-O3A
158	RL	501	GDP	C5'-O5'-PA-O3A
158	RN	501	GDP	C5'-O5'-PA-O3A
158	RP	501	GDP	C5'-O5'-PA-O3A
158	RR	501	GDP	C5'-O5'-PA-O3A
158	RT	501	GDP	C5'-O5'-PA-O3A
158	RV	501	GDP	C5'-O5'-PA-O3A
158	RX	501	GDP	C5'-O5'-PA-O3A
158	RZ	501	GDP	C5'-O5'-PA-O3A
158	SB	501	GDP	C5'-O5'-PA-O3A
158	SD	501	GDP	C5'-O5'-PA-O3A
158	SF	501	GDP	C5'-O5'-PA-O3A
158	SH	501	GDP	C5'-O5'-PA-O3A
158	SJ	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	SL	501	GDP	C5'-O5'-PA-O3A
158	SN	501	GDP	C5'-O5'-PA-O3A
158	SP	501	GDP	C5'-O5'-PA-O3A
158	SR	501	GDP	C5'-O5'-PA-O3A
158	ST	501	GDP	C5'-O5'-PA-O3A
158	SV	501	GDP	C5'-O5'-PA-O3A
158	SX	501	GDP	C5'-O5'-PA-O3A
158	SZ	501	GDP	C5'-O5'-PA-O3A
158	TB	501	GDP	C5'-O5'-PA-O3A
158	TD	501	GDP	C5'-O5'-PA-O3A
158	TF	501	GDP	C5'-O5'-PA-O3A
158	TH	501	GDP	C5'-O5'-PA-O3A
158	TJ	501	GDP	C5'-O5'-PA-O3A
158	TL	501	GDP	C5'-O5'-PA-O3A
158	TN	501	GDP	C5'-O5'-PA-O3A
158	TP	501	GDP	C5'-O5'-PA-O3A
158	TS	501	GDP	C5'-O5'-PA-O3A
158	TU	501	GDP	C5'-O5'-PA-O3A
158	TW	501	GDP	C5'-O5'-PA-O3A
158	TY	501	GDP	C5'-O5'-PA-O3A
158	UA	501	GDP	C5'-O5'-PA-O3A
158	UC	501	GDP	C5'-O5'-PA-O3A
158	UE	501	GDP	C5'-O5'-PA-O3A
158	UG	501	GDP	C5'-O5'-PA-O3A
158	UI	501	GDP	C5'-O5'-PA-O3A
158	UK	501	GDP	C5'-O5'-PA-O3A
158	UM	501	GDP	C5'-O5'-PA-O3A
158	UO	501	GDP	C5'-O5'-PA-O3A
158	UQ	501	GDP	C5'-O5'-PA-O3A
158	US	501	GDP	C5'-O5'-PA-O3A
158	UU	501	GDP	C5'-O5'-PA-O3A
158	UX	501	GDP	C5'-O5'-PA-O3A
158	UZ	501	GDP	C5'-O5'-PA-O3A
158	VB	501	GDP	C5'-O5'-PA-O3A
158	VD	501	GDP	C5'-O5'-PA-O3A
158	VF	501	GDP	C5'-O5'-PA-O3A
158	VH	501	GDP	C5'-O5'-PA-O3A
158	VJ	501	GDP	C5'-O5'-PA-O3A
158	VL	501	GDP	C5'-O5'-PA-O3A
158	VN	501	GDP	C5'-O5'-PA-O3A
158	VP	501	GDP	C5'-O5'-PA-O3A
158	VR	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	VT	501	GDP	C5'-O5'-PA-O3A
158	VV	501	GDP	C5'-O5'-PA-O3A
158	VX	501	GDP	C5'-O5'-PA-O3A
158	VZ	501	GDP	C5'-O5'-PA-O3A
158	WB	501	GDP	C5'-O5'-PA-O3A
158	WD	501	GDP	C5'-O5'-PA-O3A
158	WF	501	GDP	C5'-O5'-PA-O3A
158	WH	501	GDP	C5'-O5'-PA-O3A
158	WJ	501	GDP	C5'-O5'-PA-O3A
158	WL	501	GDP	C5'-O5'-PA-O3A
158	WN	501	GDP	C5'-O5'-PA-O3A
158	WP	501	GDP	C5'-O5'-PA-O3A
158	WR	501	GDP	C5'-O5'-PA-O3A
158	WT	501	GDP	C5'-O5'-PA-O3A
158	WV	501	GDP	C5'-O5'-PA-O3A
158	WX	501	GDP	C5'-O5'-PA-O3A
158	WZ	501	GDP	C5'-O5'-PA-O3A
158	XB	501	GDP	C5'-O5'-PA-O3A
158	XD	501	GDP	C5'-O5'-PA-O3A
158	XF	501	GDP	C5'-O5'-PA-O3A
158	XH	501	GDP	C5'-O5'-PA-O3A
158	XJ	501	GDP	C5'-O5'-PA-O3A
158	XJ	501	GDP	C5'-O5'-PA-O2A
158	XL	501	GDP	C5'-O5'-PA-O3A
158	XN	501	GDP	C5'-O5'-PA-O3A
158	XP	501	GDP	C5'-O5'-PA-O3A
158	XR	501	GDP	C5'-O5'-PA-O3A
158	XT	501	GDP	C5'-O5'-PA-O3A
158	XV	501	GDP	C5'-O5'-PA-O3A
158	XX	501	GDP	C5'-O5'-PA-O3A
158	XZ	501	GDP	C5'-O5'-PA-O3A
158	YB	501	GDP	C5'-O5'-PA-O3A
158	YD	501	GDP	C5'-O5'-PA-O3A
158	YF	501	GDP	C5'-O5'-PA-O3A
158	YH	501	GDP	C5'-O5'-PA-O3A
158	YK	501	GDP	C5'-O5'-PA-O3A
158	YM	501	GDP	C5'-O5'-PA-O3A
158	YO	501	GDP	C5'-O5'-PA-O3A
158	YQ	501	GDP	C5'-O5'-PA-O3A
158	YS	501	GDP	C5'-O5'-PA-O3A
158	YU	501	GDP	C5'-O5'-PA-O3A
158	YW	501	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
158	YY	501	GDP	C5'-O5'-PA-O3A
158	ZA	501	GDP	C5'-O5'-PA-O3A
158	ZC	501	GDP	C5'-O5'-PA-O3A
158	ZE	501	GDP	C5'-O5'-PA-O3A
158	ZG	501	GDP	C5'-O5'-PA-O3A
158	ZI	501	GDP	C5'-O5'-PA-O3A
158	ZK	501	GDP	C5'-O5'-PA-O3A
158	ZM	501	GDP	C5'-O5'-PA-O3A
158	ZO	501	GDP	C5'-O5'-PA-O3A
158	ZQ	501	GDP	C5'-O5'-PA-O3A
158	ZS	501	GDP	C5'-O5'-PA-O3A
158	ZS	501	GDP	C5'-O5'-PA-O1A
158	ZS	501	GDP	C5'-O5'-PA-O2A
158	ZU	501	GDP	C5'-O5'-PA-O3A
158	ZW	501	GDP	C5'-O5'-PA-O3A
158	ZY	501	GDP	C5'-O5'-PA-O3A
160	AB	602	GTP	C5'-O5'-PA-O3A
160	AB	602	GTP	C5'-O5'-PA-O1A
160	AB	602	GTP	C5'-O5'-PA-O2A
160	AD	501	GTP	C5'-O5'-PA-O3A
160	AD	501	GTP	C5'-O5'-PA-O1A
160	AD	501	GTP	C5'-O5'-PA-O2A
160	AF	501	GTP	C5'-O5'-PA-O3A
160	AF	501	GTP	C5'-O5'-PA-O1A
160	AF	501	GTP	C5'-O5'-PA-O2A
160	AH	501	GTP	C5'-O5'-PA-O3A
160	AH	501	GTP	C5'-O5'-PA-O1A
160	AH	501	GTP	C5'-O5'-PA-O2A
160	AJ	501	GTP	C5'-O5'-PA-O3A
160	AJ	501	GTP	C5'-O5'-PA-O1A
160	AJ	501	GTP	C5'-O5'-PA-O2A
160	AL	602	GTP	C5'-O5'-PA-O3A
160	AL	602	GTP	C5'-O5'-PA-O1A
160	AL	602	GTP	C5'-O5'-PA-O2A
160	AN	501	GTP	C5'-O5'-PA-O3A
160	AN	501	GTP	C5'-O5'-PA-O1A
160	AN	501	GTP	C5'-O5'-PA-O2A
160	AP	602	GTP	C5'-O5'-PA-O3A
160	AP	602	GTP	C5'-O5'-PA-O1A
160	AP	602	GTP	C5'-O5'-PA-O2A
160	AR	602	GTP	C5'-O5'-PA-O3A
160	AR	602	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	AR	602	GTP	C5'-O5'-PA-O2A
160	AT	501	GTP	C5'-O5'-PA-O3A
160	AT	501	GTP	C5'-O5'-PA-O1A
160	AT	501	GTP	C5'-O5'-PA-O2A
160	AV	501	GTP	C5'-O5'-PA-O3A
160	AV	501	GTP	C5'-O5'-PA-O1A
160	AV	501	GTP	C5'-O5'-PA-O2A
160	AX	501	GTP	C5'-O5'-PA-O3A
160	AX	501	GTP	C5'-O5'-PA-O1A
160	AX	501	GTP	C5'-O5'-PA-O2A
160	AZ	501	GTP	C5'-O5'-PA-O3A
160	AZ	501	GTP	C5'-O5'-PA-O1A
160	AZ	501	GTP	C5'-O5'-PA-O2A
160	Ab	501	GTP	C5'-O5'-PA-O3A
160	Ab	501	GTP	C5'-O5'-PA-O1A
160	Ab	501	GTP	C5'-O5'-PA-O2A
160	Ad	602	GTP	C5'-O5'-PA-O3A
160	Ad	602	GTP	C5'-O5'-PA-O1A
160	Ad	602	GTP	C5'-O5'-PA-O2A
160	Af	501	GTP	C5'-O5'-PA-O3A
160	Af	501	GTP	C5'-O5'-PA-O1A
160	Af	501	GTP	C5'-O5'-PA-O2A
160	Ah	501	GTP	C5'-O5'-PA-O3A
160	Ah	501	GTP	C5'-O5'-PA-O1A
160	Ah	501	GTP	C5'-O5'-PA-O2A
160	Aj	501	GTP	C5'-O5'-PA-O3A
160	Aj	501	GTP	C5'-O5'-PA-O1A
160	Aj	501	GTP	C5'-O5'-PA-O2A
160	Al	602	GTP	C5'-O5'-PA-O3A
160	Al	602	GTP	C5'-O5'-PA-O1A
160	Al	602	GTP	C5'-O5'-PA-O2A
160	An	602	GTP	C5'-O5'-PA-O3A
160	An	602	GTP	C5'-O5'-PA-O1A
160	An	602	GTP	C5'-O5'-PA-O2A
160	Ap	501	GTP	C5'-O5'-PA-O3A
160	Ap	501	GTP	C5'-O5'-PA-O1A
160	Ap	501	GTP	C5'-O5'-PA-O2A
160	BB	501	GTP	C5'-O5'-PA-O3A
160	BB	501	GTP	C5'-O5'-PA-O1A
160	BB	501	GTP	C5'-O5'-PA-O2A
160	BD	602	GTP	C5'-O5'-PA-O3A
160	BD	602	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	BD	602	GTP	C5'-O5'-PA-O2A
160	BF	602	GTP	C5'-O5'-PA-O3A
160	BF	602	GTP	C5'-O5'-PA-O1A
160	BF	602	GTP	C5'-O5'-PA-O2A
160	BH	602	GTP	C5'-O5'-PA-O3A
160	BH	602	GTP	C5'-O5'-PA-O1A
160	BH	602	GTP	C5'-O5'-PA-O2A
160	BJ	602	GTP	C5'-O5'-PA-O3A
160	BJ	602	GTP	C5'-O5'-PA-O1A
160	BJ	602	GTP	C5'-O5'-PA-O2A
160	BL	501	GTP	C5'-O5'-PA-O3A
160	BL	501	GTP	C5'-O5'-PA-O1A
160	BL	501	GTP	C5'-O5'-PA-O2A
160	BN	602	GTP	C5'-O5'-PA-O3A
160	BN	602	GTP	C5'-O5'-PA-O1A
160	BN	602	GTP	C5'-O5'-PA-O2A
160	BP	501	GTP	C5'-O5'-PA-O3A
160	BP	501	GTP	C5'-O5'-PA-O1A
160	BP	501	GTP	C5'-O5'-PA-O2A
160	BR	501	GTP	C5'-O5'-PA-O3A
160	BR	501	GTP	C5'-O5'-PA-O1A
160	BR	501	GTP	C5'-O5'-PA-O2A
160	BT	602	GTP	C5'-O5'-PA-O3A
160	BT	602	GTP	C5'-O5'-PA-O1A
160	BT	602	GTP	C5'-O5'-PA-O2A
160	BV	602	GTP	C5'-O5'-PA-O3A
160	BV	602	GTP	C5'-O5'-PA-O1A
160	BV	602	GTP	C5'-O5'-PA-O2A
160	BX	602	GTP	C5'-O5'-PA-O3A
160	BX	602	GTP	C5'-O5'-PA-O1A
160	BX	602	GTP	C5'-O5'-PA-O2A
160	BZ	501	GTP	C5'-O5'-PA-O3A
160	BZ	501	GTP	C5'-O5'-PA-O1A
160	BZ	501	GTP	C5'-O5'-PA-O2A
160	CB	501	GTP	C5'-O5'-PA-O3A
160	CB	501	GTP	C5'-O5'-PA-O1A
160	CB	501	GTP	C5'-O5'-PA-O2A
160	CD	602	GTP	C5'-O5'-PA-O3A
160	CD	602	GTP	C5'-O5'-PA-O1A
160	CD	602	GTP	C5'-O5'-PA-O2A
160	CF	501	GTP	C5'-O5'-PA-O3A
160	CF	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	CF	501	GTP	C5'-O5'-PA-O2A
160	CI	501	GTP	C5'-O5'-PA-O3A
160	CI	501	GTP	C5'-O5'-PA-O1A
160	CI	501	GTP	C5'-O5'-PA-O2A
160	CJ	501	GTP	C5'-O5'-PA-O3A
160	CJ	501	GTP	C5'-O5'-PA-O1A
160	CJ	501	GTP	C5'-O5'-PA-O2A
160	CL	501	GTP	C5'-O5'-PA-O3A
160	CL	501	GTP	C5'-O5'-PA-O1A
160	CL	501	GTP	C5'-O5'-PA-O2A
160	CN	602	GTP	C5'-O5'-PA-O3A
160	CN	602	GTP	C5'-O5'-PA-O1A
160	CN	602	GTP	C5'-O5'-PA-O2A
160	CP	602	GTP	C5'-O5'-PA-O3A
160	CP	602	GTP	C5'-O5'-PA-O1A
160	CP	602	GTP	C5'-O5'-PA-O2A
160	CR	501	GTP	C5'-O5'-PA-O3A
160	CR	501	GTP	C5'-O5'-PA-O1A
160	CR	501	GTP	C5'-O5'-PA-O2A
160	CT	602	GTP	C5'-O5'-PA-O3A
160	CT	602	GTP	C5'-O5'-PA-O1A
160	CT	602	GTP	C5'-O5'-PA-O2A
160	CV	501	GTP	C5'-O5'-PA-O3A
160	CV	501	GTP	C5'-O5'-PA-O1A
160	CV	501	GTP	C5'-O5'-PA-O2A
160	CX	602	GTP	C5'-O5'-PA-O3A
160	CX	602	GTP	C5'-O5'-PA-O1A
160	CX	602	GTP	C5'-O5'-PA-O2A
160	CZ	501	GTP	C5'-O5'-PA-O3A
160	CZ	501	GTP	C5'-O5'-PA-O1A
160	CZ	501	GTP	C5'-O5'-PA-O2A
160	DB	501	GTP	C5'-O5'-PA-O3A
160	DB	501	GTP	C5'-O5'-PA-O1A
160	DB	501	GTP	C5'-O5'-PA-O2A
160	DD	501	GTP	C5'-O5'-PA-O3A
160	DD	501	GTP	C5'-O5'-PA-O1A
160	DD	501	GTP	C5'-O5'-PA-O2A
160	DF	501	GTP	C5'-O5'-PA-O3A
160	DF	501	GTP	C5'-O5'-PA-O1A
160	DF	501	GTP	C5'-O5'-PA-O2A
160	DH	501	GTP	C5'-O5'-PA-O3A
160	DH	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	DH	501	GTP	C5'-O5'-PA-O2A
160	DJ	501	GTP	C5'-O5'-PA-O3A
160	DJ	501	GTP	C5'-O5'-PA-O1A
160	DJ	501	GTP	C5'-O5'-PA-O2A
160	DL	501	GTP	C5'-O5'-PA-O3A
160	DL	501	GTP	C5'-O5'-PA-O1A
160	DL	501	GTP	C5'-O5'-PA-O2A
160	DM	501	GTP	C5'-O5'-PA-O3A
160	DM	501	GTP	C5'-O5'-PA-O1A
160	DM	501	GTP	C5'-O5'-PA-O2A
160	DO	501	GTP	C5'-O5'-PA-O3A
160	DO	501	GTP	C5'-O5'-PA-O1A
160	DO	501	GTP	C5'-O5'-PA-O2A
160	DQ	501	GTP	C5'-O5'-PA-O3A
160	DQ	501	GTP	C5'-O5'-PA-O1A
160	DQ	501	GTP	C5'-O5'-PA-O2A
160	DS	602	GTP	C5'-O5'-PA-O3A
160	DS	602	GTP	C5'-O5'-PA-O1A
160	DS	602	GTP	C5'-O5'-PA-O2A
160	DU	501	GTP	C5'-O5'-PA-O3A
160	DU	501	GTP	C5'-O5'-PA-O1A
160	DU	501	GTP	C5'-O5'-PA-O2A
160	DW	602	GTP	C5'-O5'-PA-O3A
160	DW	602	GTP	C5'-O5'-PA-O1A
160	DW	602	GTP	C5'-O5'-PA-O2A
160	DY	501	GTP	C5'-O5'-PA-O3A
160	DY	501	GTP	C5'-O5'-PA-O1A
160	DY	501	GTP	C5'-O5'-PA-O2A
160	EA	501	GTP	C5'-O5'-PA-O3A
160	EA	501	GTP	C5'-O5'-PA-O1A
160	EA	501	GTP	C5'-O5'-PA-O2A
160	EC	501	GTP	C5'-O5'-PA-O3A
160	EC	501	GTP	C5'-O5'-PA-O1A
160	EC	501	GTP	C5'-O5'-PA-O2A
160	EE	501	GTP	C5'-O5'-PA-O3A
160	EE	501	GTP	C5'-O5'-PA-O1A
160	EE	501	GTP	C5'-O5'-PA-O2A
160	EG	501	GTP	C5'-O5'-PA-O3A
160	EG	501	GTP	C5'-O5'-PA-O1A
160	EG	501	GTP	C5'-O5'-PA-O2A
160	EI	501	GTP	C5'-O5'-PA-O3A
160	EI	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	EI	501	GTP	C5'-O5'-PA-O2A
160	EK	602	GTP	C5'-O5'-PA-O3A
160	EK	602	GTP	C5'-O5'-PA-O1A
160	EK	602	GTP	C5'-O5'-PA-O2A
160	EM	501	GTP	C5'-O5'-PA-O3A
160	EM	501	GTP	C5'-O5'-PA-O1A
160	EM	501	GTP	C5'-O5'-PA-O2A
160	EO	501	GTP	C5'-O5'-PA-O3A
160	EO	501	GTP	C5'-O5'-PA-O1A
160	EO	501	GTP	C5'-O5'-PA-O2A
160	EQ	602	GTP	C5'-O5'-PA-O3A
160	EQ	602	GTP	C5'-O5'-PA-O1A
160	EQ	602	GTP	C5'-O5'-PA-O2A
160	ES	501	GTP	C5'-O5'-PA-O3A
160	ES	501	GTP	C5'-O5'-PA-O1A
160	ES	501	GTP	C5'-O5'-PA-O2A
160	EU	501	GTP	C5'-O5'-PA-O3A
160	EU	501	GTP	C5'-O5'-PA-O1A
160	EU	501	GTP	C5'-O5'-PA-O2A
160	EW	501	GTP	C5'-O5'-PA-O3A
160	EW	501	GTP	C5'-O5'-PA-O1A
160	EW	501	GTP	C5'-O5'-PA-O2A
160	EY	501	GTP	C5'-O5'-PA-O3A
160	EY	501	GTP	C5'-O5'-PA-O1A
160	EY	501	GTP	C5'-O5'-PA-O2A
160	FA	602	GTP	C5'-O5'-PA-O3A
160	FA	602	GTP	C5'-O5'-PA-O1A
160	FA	602	GTP	C5'-O5'-PA-O2A
160	FC	501	GTP	C5'-O5'-PA-O3A
160	FC	501	GTP	C5'-O5'-PA-O1A
160	FC	501	GTP	C5'-O5'-PA-O2A
160	FE	501	GTP	C5'-O5'-PA-O3A
160	FE	501	GTP	C5'-O5'-PA-O1A
160	FE	501	GTP	C5'-O5'-PA-O2A
160	FG	501	GTP	C5'-O5'-PA-O3A
160	FG	501	GTP	C5'-O5'-PA-O1A
160	FG	501	GTP	C5'-O5'-PA-O2A
160	FI	602	GTP	C5'-O5'-PA-O3A
160	FI	602	GTP	C5'-O5'-PA-O1A
160	FI	602	GTP	C5'-O5'-PA-O2A
160	FK	501	GTP	C5'-O5'-PA-O3A
160	FK	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	FK	501	GTP	C5'-O5'-PA-O2A
160	FM	501	GTP	C5'-O5'-PA-O3A
160	FM	501	GTP	C5'-O5'-PA-O1A
160	FM	501	GTP	C5'-O5'-PA-O2A
160	FO	602	GTP	C5'-O5'-PA-O3A
160	FO	602	GTP	C5'-O5'-PA-O1A
160	FO	602	GTP	C5'-O5'-PA-O2A
160	FQ	501	GTP	C5'-O5'-PA-O3A
160	FQ	501	GTP	C5'-O5'-PA-O1A
160	FQ	501	GTP	C5'-O5'-PA-O2A
160	FS	602	GTP	C5'-O5'-PA-O3A
160	FS	602	GTP	C5'-O5'-PA-O1A
160	FS	602	GTP	C5'-O5'-PA-O2A
160	FW	602	GTP	C5'-O5'-PA-O3A
160	FW	602	GTP	C5'-O5'-PA-O1A
160	FW	602	GTP	C5'-O5'-PA-O2A
160	FY	501	GTP	C5'-O5'-PA-O3A
160	FY	501	GTP	C5'-O5'-PA-O1A
160	FY	501	GTP	C5'-O5'-PA-O2A
160	GA	602	GTP	C5'-O5'-PA-O3A
160	GA	602	GTP	C5'-O5'-PA-O1A
160	GA	602	GTP	C5'-O5'-PA-O2A
160	GC	602	GTP	C5'-O5'-PA-O3A
160	GC	602	GTP	C5'-O5'-PA-O1A
160	GC	602	GTP	C5'-O5'-PA-O2A
160	GE	602	GTP	C5'-O5'-PA-O3A
160	GE	602	GTP	C5'-O5'-PA-O1A
160	GE	602	GTP	C5'-O5'-PA-O2A
160	GG	501	GTP	C5'-O5'-PA-O3A
160	GG	501	GTP	C5'-O5'-PA-O1A
160	GG	501	GTP	C5'-O5'-PA-O2A
160	GI	501	GTP	C5'-O5'-PA-O3A
160	GI	501	GTP	C5'-O5'-PA-O1A
160	GI	501	GTP	C5'-O5'-PA-O2A
160	GK	602	GTP	C5'-O5'-PA-O3A
160	GK	602	GTP	C5'-O5'-PA-O1A
160	GK	602	GTP	C5'-O5'-PA-O2A
160	GM	501	GTP	C5'-O5'-PA-O3A
160	GM	501	GTP	C5'-O5'-PA-O1A
160	GM	501	GTP	C5'-O5'-PA-O2A
160	GO	501	GTP	C5'-O5'-PA-O3A
160	GO	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	GO	501	GTP	C5'-O5'-PA-O2A
160	GQ	602	GTP	C5'-O5'-PA-O3A
160	GQ	602	GTP	C5'-O5'-PA-O1A
160	GQ	602	GTP	C5'-O5'-PA-O2A
160	GS	602	GTP	C5'-O5'-PA-O3A
160	GS	602	GTP	C5'-O5'-PA-O1A
160	GS	602	GTP	C5'-O5'-PA-O2A
160	GU	602	GTP	C5'-O5'-PA-O3A
160	GU	602	GTP	C5'-O5'-PA-O1A
160	GU	602	GTP	C5'-O5'-PA-O2A
160	GW	501	GTP	C5'-O5'-PA-O3A
160	GW	501	GTP	C5'-O5'-PA-O1A
160	GW	501	GTP	C5'-O5'-PA-O2A
160	HA	501	GTP	C5'-O5'-PA-O3A
160	HA	501	GTP	C5'-O5'-PA-O1A
160	HA	501	GTP	C5'-O5'-PA-O2A
160	HC	602	GTP	C5'-O5'-PA-O3A
160	HC	602	GTP	C5'-O5'-PA-O1A
160	HC	602	GTP	C5'-O5'-PA-O2A
160	HE	602	GTP	C5'-O5'-PA-O3A
160	HE	602	GTP	C5'-O5'-PA-O1A
160	HE	602	GTP	C5'-O5'-PA-O2A
160	HG	501	GTP	C5'-O5'-PA-O3A
160	HG	501	GTP	C5'-O5'-PA-O1A
160	HG	501	GTP	C5'-O5'-PA-O2A
160	HI	602	GTP	C5'-O5'-PA-O3A
160	HI	602	GTP	C5'-O5'-PA-O1A
160	HI	602	GTP	C5'-O5'-PA-O2A
160	HK	501	GTP	C5'-O5'-PA-O3A
160	HK	501	GTP	C5'-O5'-PA-O1A
160	HK	501	GTP	C5'-O5'-PA-O2A
160	HM	602	GTP	C5'-O5'-PA-O3A
160	HM	602	GTP	C5'-O5'-PA-O1A
160	HM	602	GTP	C5'-O5'-PA-O2A
160	HO	501	GTP	C5'-O5'-PA-O3A
160	HO	501	GTP	C5'-O5'-PA-O1A
160	HO	501	GTP	C5'-O5'-PA-O2A
160	HQ	602	GTP	C5'-O5'-PA-O3A
160	HQ	602	GTP	C5'-O5'-PA-O1A
160	HQ	602	GTP	C5'-O5'-PA-O2A
160	HS	501	GTP	C5'-O5'-PA-O3A
160	HS	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	HS	501	GTP	C5'-O5'-PA-O2A
160	HU	602	GTP	C5'-O5'-PA-O3A
160	HU	602	GTP	C5'-O5'-PA-O1A
160	HU	602	GTP	C5'-O5'-PA-O2A
160	HW	501	GTP	C5'-O5'-PA-O3A
160	HW	501	GTP	C5'-O5'-PA-O1A
160	HW	501	GTP	C5'-O5'-PA-O2A
160	HY	501	GTP	C5'-O5'-PA-O3A
160	HY	501	GTP	C5'-O5'-PA-O1A
160	HY	501	GTP	C5'-O5'-PA-O2A
160	IA	501	GTP	C5'-O5'-PA-O3A
160	IA	501	GTP	C5'-O5'-PA-O1A
160	IA	501	GTP	C5'-O5'-PA-O2A
160	IE	501	GTP	C5'-O5'-PA-O3A
160	IE	501	GTP	C5'-O5'-PA-O1A
160	IE	501	GTP	C5'-O5'-PA-O2A
160	IG	501	GTP	C5'-O5'-PA-O3A
160	IG	501	GTP	C5'-O5'-PA-O1A
160	IG	501	GTP	C5'-O5'-PA-O2A
160	II	501	GTP	C5'-O5'-PA-O2A
160	IK	602	GTP	C5'-O5'-PA-O3A
160	IK	602	GTP	C5'-O5'-PA-O1A
160	IK	602	GTP	C5'-O5'-PA-O2A
160	IM	602	GTP	C5'-O5'-PA-O3A
160	IM	602	GTP	C5'-O5'-PA-O1A
160	IM	602	GTP	C5'-O5'-PA-O2A
160	IO	501	GTP	C5'-O5'-PA-O2A
160	IQ	501	GTP	C5'-O5'-PA-O3A
160	IQ	501	GTP	C5'-O5'-PA-O1A
160	IQ	501	GTP	C5'-O5'-PA-O2A
160	IS	501	GTP	C5'-O5'-PA-O3A
160	IS	501	GTP	C5'-O5'-PA-O1A
160	IS	501	GTP	C5'-O5'-PA-O2A
160	IU	501	GTP	C5'-O5'-PA-O3A
160	IU	501	GTP	C5'-O5'-PA-O1A
160	IU	501	GTP	C5'-O5'-PA-O2A
160	IW	501	GTP	C5'-O5'-PA-O3A
160	IW	501	GTP	C5'-O5'-PA-O1A
160	IW	501	GTP	C5'-O5'-PA-O2A
160	IY	501	GTP	C5'-O5'-PA-O3A
160	IY	501	GTP	C5'-O5'-PA-O1A
160	IY	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	JA	501	GTP	C5'-O5'-PA-O3A
160	JA	501	GTP	C5'-O5'-PA-O1A
160	JA	501	GTP	C5'-O5'-PA-O2A
160	JC	501	GTP	C5'-O5'-PA-O3A
160	JC	501	GTP	C5'-O5'-PA-O1A
160	JC	501	GTP	C5'-O5'-PA-O2A
160	JE	501	GTP	C5'-O5'-PA-O3A
160	JE	501	GTP	C5'-O5'-PA-O1A
160	JE	501	GTP	C5'-O5'-PA-O2A
160	JH	602	GTP	C5'-O5'-PA-O3A
160	JH	602	GTP	C5'-O5'-PA-O1A
160	JH	602	GTP	C5'-O5'-PA-O2A
160	JJ	501	GTP	C5'-O5'-PA-O3A
160	JJ	501	GTP	C5'-O5'-PA-O1A
160	JJ	501	GTP	C5'-O5'-PA-O2A
160	JL	501	GTP	C5'-O5'-PA-O3A
160	JL	501	GTP	C5'-O5'-PA-O1A
160	JL	501	GTP	C5'-O5'-PA-O2A
160	JN	501	GTP	C5'-O5'-PA-O3A
160	JN	501	GTP	C5'-O5'-PA-O1A
160	JN	501	GTP	C5'-O5'-PA-O2A
160	JP	602	GTP	C5'-O5'-PA-O3A
160	JP	602	GTP	C5'-O5'-PA-O1A
160	JP	602	GTP	C5'-O5'-PA-O2A
160	JR	602	GTP	C5'-O5'-PA-O3A
160	JR	602	GTP	C5'-O5'-PA-O1A
160	JR	602	GTP	C5'-O5'-PA-O2A
160	JT	501	GTP	C5'-O5'-PA-O3A
160	JT	501	GTP	C5'-O5'-PA-O1A
160	JT	501	GTP	C5'-O5'-PA-O2A
160	JV	501	GTP	C5'-O5'-PA-O3A
160	JV	501	GTP	C5'-O5'-PA-O1A
160	JV	501	GTP	C5'-O5'-PA-O2A
160	JX	501	GTP	C5'-O5'-PA-O3A
160	JX	501	GTP	C5'-O5'-PA-O1A
160	JX	501	GTP	C5'-O5'-PA-O2A
160	JZ	501	GTP	C5'-O5'-PA-O3A
160	JZ	501	GTP	C5'-O5'-PA-O1A
160	JZ	501	GTP	C5'-O5'-PA-O2A
160	KB	501	GTP	C5'-O5'-PA-O3A
160	KB	501	GTP	C5'-O5'-PA-O1A
160	KB	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	KD	501	GTP	C5'-O5'-PA-O3A
160	KD	501	GTP	C5'-O5'-PA-O1A
160	KD	501	GTP	C5'-O5'-PA-O2A
160	KF	602	GTP	C5'-O5'-PA-O3A
160	KF	602	GTP	C5'-O5'-PA-O1A
160	KF	602	GTP	C5'-O5'-PA-O2A
160	KH	501	GTP	C5'-O5'-PA-O3A
160	KH	501	GTP	C5'-O5'-PA-O1A
160	KH	501	GTP	C5'-O5'-PA-O2A
160	KJ	602	GTP	C5'-O5'-PA-O3A
160	KJ	602	GTP	C5'-O5'-PA-O1A
160	KJ	602	GTP	C5'-O5'-PA-O2A
160	KL	602	GTP	C5'-O5'-PA-O3A
160	KL	602	GTP	C5'-O5'-PA-O1A
160	KL	602	GTP	C5'-O5'-PA-O2A
160	KN	602	GTP	C5'-O5'-PA-O3A
160	KN	602	GTP	C5'-O5'-PA-O1A
160	KN	602	GTP	C5'-O5'-PA-O2A
160	KP	602	GTP	C5'-O5'-PA-O3A
160	KP	602	GTP	C5'-O5'-PA-O1A
160	KP	602	GTP	C5'-O5'-PA-O2A
160	KR	602	GTP	C5'-O5'-PA-O3A
160	KR	602	GTP	C5'-O5'-PA-O1A
160	KR	602	GTP	C5'-O5'-PA-O2A
160	KT	501	GTP	C5'-O5'-PA-O3A
160	KT	501	GTP	C5'-O5'-PA-O1A
160	KT	501	GTP	C5'-O5'-PA-O2A
160	KV	602	GTP	C5'-O5'-PA-O3A
160	KV	602	GTP	C5'-O5'-PA-O1A
160	KV	602	GTP	C5'-O5'-PA-O2A
160	KX	501	GTP	C5'-O5'-PA-O3A
160	KX	501	GTP	C5'-O5'-PA-O1A
160	KX	501	GTP	C5'-O5'-PA-O2A
160	KZ	602	GTP	C5'-O5'-PA-O3A
160	KZ	602	GTP	C5'-O5'-PA-O1A
160	KZ	602	GTP	C5'-O5'-PA-O2A
160	LB	501	GTP	C5'-O5'-PA-O3A
160	LB	501	GTP	C5'-O5'-PA-O1A
160	LB	501	GTP	C5'-O5'-PA-O2A
160	LD	602	GTP	C5'-O5'-PA-O3A
160	LD	602	GTP	C5'-O5'-PA-O1A
160	LD	602	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	LF	602	GTP	C5'-O5'-PA-O3A
160	LF	602	GTP	C5'-O5'-PA-O1A
160	LF	602	GTP	C5'-O5'-PA-O2A
160	LH	501	GTP	C5'-O5'-PA-O3A
160	LH	501	GTP	C5'-O5'-PA-O1A
160	LH	501	GTP	C5'-O5'-PA-O2A
160	LJ	501	GTP	C5'-O5'-PA-O3A
160	LJ	501	GTP	C5'-O5'-PA-O1A
160	LJ	501	GTP	C5'-O5'-PA-O2A
160	LL	501	GTP	C5'-O5'-PA-O3A
160	LL	501	GTP	C5'-O5'-PA-O1A
160	LL	501	GTP	C5'-O5'-PA-O2A
160	LN	501	GTP	C5'-O5'-PA-O3A
160	LN	501	GTP	C5'-O5'-PA-O1A
160	LN	501	GTP	C5'-O5'-PA-O2A
160	LP	502	GTP	C5'-O5'-PA-O3A
160	LP	502	GTP	C5'-O5'-PA-O1A
160	LP	502	GTP	C5'-O5'-PA-O2A
160	LR	501	GTP	C5'-O5'-PA-O3A
160	LR	501	GTP	C5'-O5'-PA-O1A
160	LR	501	GTP	C5'-O5'-PA-O2A
160	LT	602	GTP	C5'-O5'-PA-O3A
160	LT	602	GTP	C5'-O5'-PA-O1A
160	LT	602	GTP	C5'-O5'-PA-O2A
160	LV	502	GTP	C5'-O5'-PA-O3A
160	LV	502	GTP	C5'-O5'-PA-O1A
160	LV	502	GTP	C5'-O5'-PA-O2A
160	LX	501	GTP	C5'-O5'-PA-O3A
160	LX	501	GTP	C5'-O5'-PA-O1A
160	LX	501	GTP	C5'-O5'-PA-O2A
160	LZ	501	GTP	C5'-O5'-PA-O3A
160	LZ	501	GTP	C5'-O5'-PA-O1A
160	LZ	501	GTP	C5'-O5'-PA-O2A
160	MB	502	GTP	C5'-O5'-PA-O3A
160	MB	502	GTP	C5'-O5'-PA-O1A
160	MB	502	GTP	C5'-O5'-PA-O2A
160	MD	502	GTP	C5'-O5'-PA-O3A
160	MD	502	GTP	C5'-O5'-PA-O1A
160	MD	502	GTP	C5'-O5'-PA-O2A
160	MF	602	GTP	C5'-O5'-PA-O3A
160	MF	602	GTP	C5'-O5'-PA-O1A
160	MF	602	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	MH	501	GTP	C5'-O5'-PA-O3A
160	MH	501	GTP	C5'-O5'-PA-O1A
160	MH	501	GTP	C5'-O5'-PA-O2A
160	MJ	602	GTP	C5'-O5'-PA-O3A
160	MJ	602	GTP	C5'-O5'-PA-O1A
160	MJ	602	GTP	C5'-O5'-PA-O2A
160	ML	602	GTP	C5'-O5'-PA-O3A
160	ML	602	GTP	C5'-O5'-PA-O1A
160	ML	602	GTP	C5'-O5'-PA-O2A
160	MN	502	GTP	C5'-O5'-PA-O3A
160	MN	502	GTP	C5'-O5'-PA-O1A
160	MN	502	GTP	C5'-O5'-PA-O2A
160	MP	501	GTP	C5'-O5'-PA-O3A
160	MP	501	GTP	C5'-O5'-PA-O1A
160	MP	501	GTP	C5'-O5'-PA-O2A
160	MR	602	GTP	C5'-O5'-PA-O3A
160	MR	602	GTP	C5'-O5'-PA-O1A
160	MR	602	GTP	C5'-O5'-PA-O2A
160	MT	501	GTP	C5'-O5'-PA-O3A
160	MT	501	GTP	C5'-O5'-PA-O1A
160	MT	501	GTP	C5'-O5'-PA-O2A
160	MV	502	GTP	C5'-O5'-PA-O3A
160	MV	502	GTP	C5'-O5'-PA-O1A
160	MV	502	GTP	C5'-O5'-PA-O2A
160	MX	502	GTP	C5'-O5'-PA-O3A
160	MX	502	GTP	C5'-O5'-PA-O1A
160	MX	502	GTP	C5'-O5'-PA-O2A
160	MZ	602	GTP	C5'-O5'-PA-O3A
160	MZ	602	GTP	C5'-O5'-PA-O1A
160	MZ	602	GTP	C5'-O5'-PA-O2A
160	NB	501	GTP	C5'-O5'-PA-O3A
160	NB	501	GTP	C5'-O5'-PA-O1A
160	NB	501	GTP	C5'-O5'-PA-O2A
160	ND	501	GTP	C5'-O5'-PA-O3A
160	ND	501	GTP	C5'-O5'-PA-O1A
160	ND	501	GTP	C5'-O5'-PA-O2A
160	NF	502	GTP	C5'-O5'-PA-O3A
160	NF	502	GTP	C5'-O5'-PA-O1A
160	NF	502	GTP	C5'-O5'-PA-O2A
160	NH	502	GTP	C5'-O5'-PA-O3A
160	NH	502	GTP	C5'-O5'-PA-O1A
160	NH	502	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	NJ	503	GTP	C5'-O5'-PA-O3A
160	NJ	503	GTP	C5'-O5'-PA-O1A
160	NJ	503	GTP	C5'-O5'-PA-O2A
160	NL	602	GTP	C5'-O5'-PA-O3A
160	NL	602	GTP	C5'-O5'-PA-O1A
160	NL	602	GTP	C5'-O5'-PA-O2A
160	NN	501	GTP	C5'-O5'-PA-O3A
160	NN	501	GTP	C5'-O5'-PA-O1A
160	NN	501	GTP	C5'-O5'-PA-O2A
160	NP	501	GTP	C5'-O5'-PA-O3A
160	NP	501	GTP	C5'-O5'-PA-O1A
160	NP	501	GTP	C5'-O5'-PA-O2A
160	NR	502	GTP	C5'-O5'-PA-O3A
160	NR	502	GTP	C5'-O5'-PA-O1A
160	NR	502	GTP	C5'-O5'-PA-O2A
160	NT	602	GTP	C5'-O5'-PA-O3A
160	NT	602	GTP	C5'-O5'-PA-O1A
160	NT	602	GTP	C5'-O5'-PA-O2A
160	NV	503	GTP	C5'-O5'-PA-O3A
160	NV	503	GTP	C5'-O5'-PA-O1A
160	NV	503	GTP	C5'-O5'-PA-O2A
160	NX	501	GTP	C5'-O5'-PA-O3A
160	NX	501	GTP	C5'-O5'-PA-O1A
160	NX	501	GTP	C5'-O5'-PA-O2A
160	NZ	602	GTP	C5'-O5'-PA-O3A
160	NZ	602	GTP	C5'-O5'-PA-O1A
160	NZ	602	GTP	C5'-O5'-PA-O2A
160	OB	501	GTP	C5'-O5'-PA-O3A
160	OB	501	GTP	C5'-O5'-PA-O1A
160	OB	501	GTP	C5'-O5'-PA-O2A
160	OD	602	GTP	C5'-O5'-PA-O3A
160	OD	602	GTP	C5'-O5'-PA-O1A
160	OD	602	GTP	C5'-O5'-PA-O2A
160	OF	501	GTP	C5'-O5'-PA-O3A
160	OF	501	GTP	C5'-O5'-PA-O1A
160	OF	501	GTP	C5'-O5'-PA-O2A
160	OH	501	GTP	C5'-O5'-PA-O3A
160	OH	501	GTP	C5'-O5'-PA-O1A
160	OH	501	GTP	C5'-O5'-PA-O2A
160	OJ	602	GTP	C5'-O5'-PA-O3A
160	OJ	602	GTP	C5'-O5'-PA-O1A
160	OJ	602	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	OL	602	GTP	C5'-O5'-PA-O3A
160	OL	602	GTP	C5'-O5'-PA-O1A
160	OL	602	GTP	C5'-O5'-PA-O2A
160	ON	501	GTP	C5'-O5'-PA-O3A
160	ON	501	GTP	C5'-O5'-PA-O1A
160	ON	501	GTP	C5'-O5'-PA-O2A
160	OP	501	GTP	C5'-O5'-PA-O3A
160	OP	501	GTP	C5'-O5'-PA-O1A
160	OP	501	GTP	C5'-O5'-PA-O2A
160	OR	602	GTP	C5'-O5'-PA-O3A
160	OR	602	GTP	C5'-O5'-PA-O1A
160	OR	602	GTP	C5'-O5'-PA-O2A
160	OT	602	GTP	C5'-O5'-PA-O3A
160	OT	602	GTP	C5'-O5'-PA-O1A
160	OT	602	GTP	C5'-O5'-PA-O2A
160	OV	501	GTP	C5'-O5'-PA-O3A
160	OV	501	GTP	C5'-O5'-PA-O1A
160	OV	501	GTP	C5'-O5'-PA-O2A
160	OX	602	GTP	C5'-O5'-PA-O3A
160	OX	602	GTP	C5'-O5'-PA-O1A
160	OX	602	GTP	C5'-O5'-PA-O2A
160	OZ	501	GTP	C5'-O5'-PA-O3A
160	OZ	501	GTP	C5'-O5'-PA-O1A
160	OZ	501	GTP	C5'-O5'-PA-O2A
160	PC	602	GTP	C5'-O5'-PA-O3A
160	PC	602	GTP	C5'-O5'-PA-O1A
160	PC	602	GTP	C5'-O5'-PA-O2A
160	PE	602	GTP	C5'-O5'-PA-O3A
160	PE	602	GTP	C5'-O5'-PA-O1A
160	PE	602	GTP	C5'-O5'-PA-O2A
160	PG	501	GTP	C5'-O5'-PA-O3A
160	PG	501	GTP	C5'-O5'-PA-O1A
160	PG	501	GTP	C5'-O5'-PA-O2A
160	PI	602	GTP	C5'-O5'-PA-O3A
160	PI	602	GTP	C5'-O5'-PA-O1A
160	PI	602	GTP	C5'-O5'-PA-O2A
160	PK	501	GTP	C5'-O5'-PA-O3A
160	PK	501	GTP	C5'-O5'-PA-O1A
160	PK	501	GTP	C5'-O5'-PA-O2A
160	PM	602	GTP	C5'-O5'-PA-O3A
160	PM	602	GTP	C5'-O5'-PA-O1A
160	PM	602	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	PO	602	GTP	C5'-O5'-PA-O3A
160	PO	602	GTP	C5'-O5'-PA-O1A
160	PO	602	GTP	C5'-O5'-PA-O2A
160	PQ	501	GTP	C5'-O5'-PA-O3A
160	PQ	501	GTP	C5'-O5'-PA-O1A
160	PQ	501	GTP	C5'-O5'-PA-O2A
160	PS	501	GTP	C5'-O5'-PA-O3A
160	PS	501	GTP	C5'-O5'-PA-O1A
160	PS	501	GTP	C5'-O5'-PA-O2A
160	PU	602	GTP	C5'-O5'-PA-O3A
160	PU	602	GTP	C5'-O5'-PA-O1A
160	PU	602	GTP	C5'-O5'-PA-O2A
160	PW	501	GTP	C5'-O5'-PA-O3A
160	PW	501	GTP	C5'-O5'-PA-O1A
160	PW	501	GTP	C5'-O5'-PA-O2A
160	PY	602	GTP	C5'-O5'-PA-O3A
160	PY	602	GTP	C5'-O5'-PA-O1A
160	PY	602	GTP	C5'-O5'-PA-O2A
160	QA	602	GTP	C5'-O5'-PA-O3A
160	QA	602	GTP	C5'-O5'-PA-O1A
160	QA	602	GTP	C5'-O5'-PA-O2A
160	QC	501	GTP	C5'-O5'-PA-O3A
160	QC	501	GTP	C5'-O5'-PA-O1A
160	QC	501	GTP	C5'-O5'-PA-O2A
160	QE	501	GTP	C5'-O5'-PA-O3A
160	QE	501	GTP	C5'-O5'-PA-O1A
160	QE	501	GTP	C5'-O5'-PA-O2A
160	QG	602	GTP	C5'-O5'-PA-O3A
160	QG	602	GTP	C5'-O5'-PA-O1A
160	QG	602	GTP	C5'-O5'-PA-O2A
160	QI	602	GTP	C5'-O5'-PA-O3A
160	QI	602	GTP	C5'-O5'-PA-O1A
160	QI	602	GTP	C5'-O5'-PA-O2A
160	QK	602	GTP	C5'-O5'-PA-O3A
160	QK	602	GTP	C5'-O5'-PA-O1A
160	QK	602	GTP	C5'-O5'-PA-O2A
160	QM	501	GTP	C5'-O5'-PA-O3A
160	QM	501	GTP	C5'-O5'-PA-O1A
160	QM	501	GTP	C5'-O5'-PA-O2A
160	QO	602	GTP	C5'-O5'-PA-O3A
160	QO	602	GTP	C5'-O5'-PA-O1A
160	QO	602	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	QQ	501	GTP	C5'-O5'-PA-O3A
160	QQ	501	GTP	C5'-O5'-PA-O1A
160	QQ	501	GTP	C5'-O5'-PA-O2A
160	QS	501	GTP	C5'-O5'-PA-O3A
160	QS	501	GTP	C5'-O5'-PA-O1A
160	QS	501	GTP	C5'-O5'-PA-O2A
160	QU	602	GTP	C5'-O5'-PA-O3A
160	QU	602	GTP	C5'-O5'-PA-O1A
160	QU	602	GTP	C5'-O5'-PA-O2A
160	QW	501	GTP	C5'-O5'-PA-O3A
160	QW	501	GTP	C5'-O5'-PA-O1A
160	QW	501	GTP	C5'-O5'-PA-O2A
160	QY	501	GTP	C5'-O5'-PA-O3A
160	QY	501	GTP	C5'-O5'-PA-O1A
160	QY	501	GTP	C5'-O5'-PA-O2A
160	RA	602	GTP	C5'-O5'-PA-O3A
160	RA	602	GTP	C5'-O5'-PA-O1A
160	RA	602	GTP	C5'-O5'-PA-O2A
160	RC	501	GTP	C5'-O5'-PA-O3A
160	RC	501	GTP	C5'-O5'-PA-O1A
160	RC	501	GTP	C5'-O5'-PA-O2A
160	RE	501	GTP	C5'-O5'-PA-O3A
160	RE	501	GTP	C5'-O5'-PA-O1A
160	RE	501	GTP	C5'-O5'-PA-O2A
160	RG	501	GTP	C5'-O5'-PA-O3A
160	RG	501	GTP	C5'-O5'-PA-O1A
160	RG	501	GTP	C5'-O5'-PA-O2A
160	RI	501	GTP	C5'-O5'-PA-O3A
160	RI	501	GTP	C5'-O5'-PA-O1A
160	RI	501	GTP	C5'-O5'-PA-O2A
160	RK	602	GTP	C5'-O5'-PA-O3A
160	RK	602	GTP	C5'-O5'-PA-O1A
160	RK	602	GTP	C5'-O5'-PA-O2A
160	RM	501	GTP	C5'-O5'-PA-O3A
160	RM	501	GTP	C5'-O5'-PA-O1A
160	RM	501	GTP	C5'-O5'-PA-O2A
160	RO	602	GTP	C5'-O5'-PA-O3A
160	RO	602	GTP	C5'-O5'-PA-O1A
160	RO	602	GTP	C5'-O5'-PA-O2A
160	RQ	501	GTP	C5'-O5'-PA-O3A
160	RQ	501	GTP	C5'-O5'-PA-O1A
160	RQ	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	RS	501	GTP	C5'-O5'-PA-O3A
160	RS	501	GTP	C5'-O5'-PA-O1A
160	RS	501	GTP	C5'-O5'-PA-O2A
160	RU	501	GTP	C5'-O5'-PA-O3A
160	RU	501	GTP	C5'-O5'-PA-O1A
160	RU	501	GTP	C5'-O5'-PA-O2A
160	RW	501	GTP	C5'-O5'-PA-O3A
160	RW	501	GTP	C5'-O5'-PA-O1A
160	RW	501	GTP	C5'-O5'-PA-O2A
160	RY	602	GTP	C5'-O5'-PA-O3A
160	RY	602	GTP	C5'-O5'-PA-O1A
160	RY	602	GTP	C5'-O5'-PA-O2A
160	SA	501	GTP	C5'-O5'-PA-O3A
160	SA	501	GTP	C5'-O5'-PA-O1A
160	SC	602	GTP	C5'-O5'-PA-O3A
160	SC	602	GTP	C5'-O5'-PA-O1A
160	SC	602	GTP	C5'-O5'-PA-O2A
160	SE	501	GTP	C5'-O5'-PA-O3A
160	SE	501	GTP	C5'-O5'-PA-O1A
160	SE	501	GTP	C5'-O5'-PA-O2A
160	SG	501	GTP	C5'-O5'-PA-O3A
160	SG	501	GTP	C5'-O5'-PA-O1A
160	SG	501	GTP	C5'-O5'-PA-O2A
160	SI	501	GTP	C5'-O5'-PA-O3A
160	SI	501	GTP	C5'-O5'-PA-O1A
160	SI	501	GTP	C5'-O5'-PA-O2A
160	SK	602	GTP	C5'-O5'-PA-O3A
160	SK	602	GTP	C5'-O5'-PA-O1A
160	SK	602	GTP	C5'-O5'-PA-O2A
160	SM	501	GTP	C5'-O5'-PA-O3A
160	SM	501	GTP	C5'-O5'-PA-O1A
160	SM	501	GTP	C5'-O5'-PA-O2A
160	SO	501	GTP	C5'-O5'-PA-O3A
160	SO	501	GTP	C5'-O5'-PA-O1A
160	SO	501	GTP	C5'-O5'-PA-O2A
160	SQ	602	GTP	C5'-O5'-PA-O3A
160	SQ	602	GTP	C5'-O5'-PA-O1A
160	SQ	602	GTP	C5'-O5'-PA-O2A
160	SU	501	GTP	C5'-O5'-PA-O3A
160	SU	501	GTP	C5'-O5'-PA-O1A
160	SU	501	GTP	C5'-O5'-PA-O2A
160	SW	501	GTP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
160	SW	501	GTP	C5'-O5'-PA-O1A
160	SW	501	GTP	C5'-O5'-PA-O2A
160	SY	602	GTP	C5'-O5'-PA-O3A
160	SY	602	GTP	C5'-O5'-PA-O1A
160	SY	602	GTP	C5'-O5'-PA-O2A
160	TA	602	GTP	C5'-O5'-PA-O3A
160	TA	602	GTP	C5'-O5'-PA-O1A
160	TA	602	GTP	C5'-O5'-PA-O2A
160	TC	501	GTP	C5'-O5'-PA-O3A
160	TC	501	GTP	C5'-O5'-PA-O1A
160	TC	501	GTP	C5'-O5'-PA-O2A
160	TE	501	GTP	C5'-O5'-PA-O3A
160	TE	501	GTP	C5'-O5'-PA-O1A
160	TE	501	GTP	C5'-O5'-PA-O2A
160	TG	501	GTP	C5'-O5'-PA-O3A
160	TG	501	GTP	C5'-O5'-PA-O1A
160	TG	501	GTP	C5'-O5'-PA-O2A
160	TI	501	GTP	C5'-O5'-PA-O3A
160	TI	501	GTP	C5'-O5'-PA-O1A
160	TI	501	GTP	C5'-O5'-PA-O2A
160	TK	501	GTP	C5'-O5'-PA-O3A
160	TK	501	GTP	C5'-O5'-PA-O1A
160	TK	501	GTP	C5'-O5'-PA-O2A
160	TM	501	GTP	C5'-O5'-PA-O3A
160	TM	501	GTP	C5'-O5'-PA-O1A
160	TM	501	GTP	C5'-O5'-PA-O2A
160	TO	501	GTP	C5'-O5'-PA-O3A
160	TO	501	GTP	C5'-O5'-PA-O1A
160	TO	501	GTP	C5'-O5'-PA-O2A
160	TQ	602	GTP	C5'-O5'-PA-O3A
160	TQ	602	GTP	C5'-O5'-PA-O1A
160	TQ	602	GTP	C5'-O5'-PA-O2A
160	TR	501	GTP	C5'-O5'-PA-O3A
160	TR	501	GTP	C5'-O5'-PA-O1A
160	TR	501	GTP	C5'-O5'-PA-O2A
160	TT	602	GTP	C5'-O5'-PA-O3A
160	TT	602	GTP	C5'-O5'-PA-O1A
160	TT	602	GTP	C5'-O5'-PA-O2A
160	TV	501	GTP	C5'-O5'-PA-O3A
160	TV	501	GTP	C5'-O5'-PA-O1A
160	TV	501	GTP	C5'-O5'-PA-O2A
160	TX	602	GTP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
160	TX	602	GTP	C5'-O5'-PA-O1A
160	TX	602	GTP	C5'-O5'-PA-O2A
160	TZ	602	GTP	C5'-O5'-PA-O3A
160	TZ	602	GTP	C5'-O5'-PA-O1A
160	TZ	602	GTP	C5'-O5'-PA-O2A
160	UB	501	GTP	C5'-O5'-PA-O3A
160	UB	501	GTP	C5'-O5'-PA-O1A
160	UB	501	GTP	C5'-O5'-PA-O2A
160	UD	501	GTP	C5'-O5'-PA-O3A
160	UD	501	GTP	C5'-O5'-PA-O1A
160	UD	501	GTP	C5'-O5'-PA-O2A
160	UF	501	GTP	C5'-O5'-PA-O3A
160	UF	501	GTP	C5'-O5'-PA-O1A
160	UF	501	GTP	C5'-O5'-PA-O2A
160	UH	501	GTP	C5'-O5'-PA-O3A
160	UH	501	GTP	C5'-O5'-PA-O1A
160	UH	501	GTP	C5'-O5'-PA-O2A
160	UJ	501	GTP	C5'-O5'-PA-O1A
160	UL	602	GTP	C5'-O5'-PA-O3A
160	UL	602	GTP	C5'-O5'-PA-O1A
160	UL	602	GTP	C5'-O5'-PA-O2A
160	UN	602	GTP	C5'-O5'-PA-O3A
160	UN	602	GTP	C5'-O5'-PA-O1A
160	UN	602	GTP	C5'-O5'-PA-O2A
160	UP	501	GTP	C5'-O5'-PA-O3A
160	UP	501	GTP	C5'-O5'-PA-O1A
160	UP	501	GTP	C5'-O5'-PA-O2A
160	UR	501	GTP	C5'-O5'-PA-O3A
160	UR	501	GTP	C5'-O5'-PA-O1A
160	UR	501	GTP	C5'-O5'-PA-O2A
160	UT	501	GTP	C5'-O5'-PA-O3A
160	UT	501	GTP	C5'-O5'-PA-O1A
160	UT	501	GTP	C5'-O5'-PA-O2A
160	UW	602	GTP	C5'-O5'-PA-O3A
160	UW	602	GTP	C5'-O5'-PA-O1A
160	UW	602	GTP	C5'-O5'-PA-O2A
160	UY	602	GTP	C5'-O5'-PA-O3A
160	UY	602	GTP	C5'-O5'-PA-O1A
160	UY	602	GTP	C5'-O5'-PA-O2A
160	VA	501	GTP	C5'-O5'-PA-O3A
160	VA	501	GTP	C5'-O5'-PA-O1A
160	VA	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
160	VC	501	GTP	C5'-O5'-PA-O2A
160	VE	501	GTP	C5'-O5'-PA-O3A
160	VE	501	GTP	C5'-O5'-PA-O1A
160	VE	501	GTP	C5'-O5'-PA-O2A
160	VG	501	GTP	C5'-O5'-PA-O3A
160	VG	501	GTP	C5'-O5'-PA-O1A
160	VG	501	GTP	C5'-O5'-PA-O2A
160	VI	501	GTP	C5'-O5'-PA-O3A
160	VI	501	GTP	C5'-O5'-PA-O1A
160	VI	501	GTP	C5'-O5'-PA-O2A
160	VK	501	GTP	C5'-O5'-PA-O3A
160	VK	501	GTP	C5'-O5'-PA-O1A
160	VK	501	GTP	C5'-O5'-PA-O2A
160	VM	602	GTP	C5'-O5'-PA-O3A
160	VM	602	GTP	C5'-O5'-PA-O1A
160	VM	602	GTP	C5'-O5'-PA-O2A
160	VO	501	GTP	C5'-O5'-PA-O3A
160	VO	501	GTP	C5'-O5'-PA-O1A
160	VO	501	GTP	C5'-O5'-PA-O2A
160	VQ	501	GTP	C5'-O5'-PA-O3A
160	VQ	501	GTP	C5'-O5'-PA-O1A
160	VQ	501	GTP	C5'-O5'-PA-O2A
160	VS	501	GTP	C5'-O5'-PA-O3A
160	VS	501	GTP	C5'-O5'-PA-O1A
160	VS	501	GTP	C5'-O5'-PA-O2A
160	VU	501	GTP	C5'-O5'-PA-O3A
160	VU	501	GTP	C5'-O5'-PA-O1A
160	VU	501	GTP	C5'-O5'-PA-O2A
160	VW	501	GTP	C5'-O5'-PA-O3A
160	VW	501	GTP	C5'-O5'-PA-O1A
160	VW	501	GTP	C5'-O5'-PA-O2A
160	VY	501	GTP	C5'-O5'-PA-O3A
160	VY	501	GTP	C5'-O5'-PA-O1A
160	VY	501	GTP	C5'-O5'-PA-O2A
160	WA	602	GTP	C5'-O5'-PA-O3A
160	WA	602	GTP	C5'-O5'-PA-O1A
160	WA	602	GTP	C5'-O5'-PA-O2A
160	WC	501	GTP	C5'-O5'-PA-O3A
160	WC	501	GTP	C5'-O5'-PA-O1A
160	WC	501	GTP	C5'-O5'-PA-O2A
160	WE	602	GTP	C5'-O5'-PA-O3A
160	WE	602	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	WE	602	GTP	C5'-O5'-PA-O2A
160	WI	602	GTP	C5'-O5'-PA-O3A
160	WI	602	GTP	C5'-O5'-PA-O1A
160	WI	602	GTP	C5'-O5'-PA-O2A
160	WK	602	GTP	C5'-O5'-PA-O3A
160	WK	602	GTP	C5'-O5'-PA-O1A
160	WK	602	GTP	C5'-O5'-PA-O2A
160	WM	602	GTP	C5'-O5'-PA-O3A
160	WM	602	GTP	C5'-O5'-PA-O1A
160	WM	602	GTP	C5'-O5'-PA-O2A
160	WO	501	GTP	C5'-O5'-PA-O3A
160	WO	501	GTP	C5'-O5'-PA-O1A
160	WO	501	GTP	C5'-O5'-PA-O2A
160	WQ	602	GTP	C5'-O5'-PA-O3A
160	WQ	602	GTP	C5'-O5'-PA-O1A
160	WQ	602	GTP	C5'-O5'-PA-O2A
160	WS	501	GTP	C5'-O5'-PA-O2A
160	WU	501	GTP	C5'-O5'-PA-O3A
160	WU	501	GTP	C5'-O5'-PA-O1A
160	WU	501	GTP	C5'-O5'-PA-O2A
160	WW	501	GTP	C5'-O5'-PA-O3A
160	WW	501	GTP	C5'-O5'-PA-O1A
160	WW	501	GTP	C5'-O5'-PA-O2A
160	WY	602	GTP	C5'-O5'-PA-O3A
160	WY	602	GTP	C5'-O5'-PA-O1A
160	WY	602	GTP	C5'-O5'-PA-O2A
160	XA	501	GTP	C5'-O5'-PA-O3A
160	XA	501	GTP	C5'-O5'-PA-O1A
160	XA	501	GTP	C5'-O5'-PA-O2A
160	XC	602	GTP	C5'-O5'-PA-O3A
160	XC	602	GTP	C5'-O5'-PA-O1A
160	XC	602	GTP	C5'-O5'-PA-O2A
160	XE	501	GTP	C5'-O5'-PA-O3A
160	XE	501	GTP	C5'-O5'-PA-O1A
160	XE	501	GTP	C5'-O5'-PA-O2A
160	XG	602	GTP	C5'-O5'-PA-O3A
160	XG	602	GTP	C5'-O5'-PA-O1A
160	XG	602	GTP	C5'-O5'-PA-O2A
160	XI	602	GTP	C5'-O5'-PA-O3A
160	XI	602	GTP	C5'-O5'-PA-O1A
160	XI	602	GTP	C5'-O5'-PA-O2A
160	XK	501	GTP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
160	XK	501	GTP	C5'-O5'-PA-O1A
160	XK	501	GTP	C5'-O5'-PA-O2A
160	XM	602	GTP	C5'-O5'-PA-O3A
160	XM	602	GTP	C5'-O5'-PA-O1A
160	XM	602	GTP	C4'-C5'-O5'-PA
160	XM	602	GTP	O4'-C4'-C5'-O5'
160	XO	602	GTP	C5'-O5'-PA-O3A
160	XO	602	GTP	C5'-O5'-PA-O1A
160	XO	602	GTP	C5'-O5'-PA-O2A
160	XQ	501	GTP	C5'-O5'-PA-O3A
160	XQ	501	GTP	C5'-O5'-PA-O1A
160	XQ	501	GTP	C5'-O5'-PA-O2A
160	XS	501	GTP	C5'-O5'-PA-O3A
160	XS	501	GTP	C5'-O5'-PA-O1A
160	XS	501	GTP	C5'-O5'-PA-O2A
160	XU	501	GTP	C5'-O5'-PA-O3A
160	XU	501	GTP	C5'-O5'-PA-O1A
160	XU	501	GTP	C5'-O5'-PA-O2A
160	XW	602	GTP	C5'-O5'-PA-O3A
160	XW	602	GTP	C5'-O5'-PA-O1A
160	XW	602	GTP	C5'-O5'-PA-O2A
160	XY	501	GTP	C5'-O5'-PA-O3A
160	XY	501	GTP	C5'-O5'-PA-O1A
160	XY	501	GTP	C4'-C5'-O5'-PA
160	XY	501	GTP	O4'-C4'-C5'-O5'
160	YA	602	GTP	C5'-O5'-PA-O3A
160	YA	602	GTP	C5'-O5'-PA-O1A
160	YA	602	GTP	C5'-O5'-PA-O2A
160	YC	501	GTP	C5'-O5'-PA-O3A
160	YC	501	GTP	C5'-O5'-PA-O1A
160	YC	501	GTP	C5'-O5'-PA-O2A
160	YE	602	GTP	C5'-O5'-PA-O3A
160	YE	602	GTP	C5'-O5'-PA-O1A
160	YE	602	GTP	C5'-O5'-PA-O2A
160	YG	602	GTP	C5'-O5'-PA-O3A
160	YG	602	GTP	C5'-O5'-PA-O1A
160	YG	602	GTP	C5'-O5'-PA-O2A
160	YJ	602	GTP	C5'-O5'-PA-O3A
160	YJ	602	GTP	C5'-O5'-PA-O1A
160	YJ	602	GTP	C5'-O5'-PA-O2A
160	YL	602	GTP	C5'-O5'-PA-O3A
160	YL	602	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	YL	602	GTP	C5'-O5'-PA-O2A
160	YN	501	GTP	C5'-O5'-PA-O3A
160	YN	501	GTP	C5'-O5'-PA-O1A
160	YN	501	GTP	C5'-O5'-PA-O2A
160	YP	602	GTP	C5'-O5'-PA-O3A
160	YP	602	GTP	C5'-O5'-PA-O1A
160	YP	602	GTP	C5'-O5'-PA-O2A
160	YR	501	GTP	C5'-O5'-PA-O3A
160	YR	501	GTP	C5'-O5'-PA-O1A
160	YR	501	GTP	C5'-O5'-PA-O2A
160	YT	602	GTP	C5'-O5'-PA-O3A
160	YT	602	GTP	C5'-O5'-PA-O1A
160	YT	602	GTP	C5'-O5'-PA-O2A
160	YV	602	GTP	C5'-O5'-PA-O3A
160	YV	602	GTP	C5'-O5'-PA-O1A
160	YV	602	GTP	C5'-O5'-PA-O2A
160	YX	602	GTP	C5'-O5'-PA-O3A
160	YX	602	GTP	C5'-O5'-PA-O1A
160	YX	602	GTP	C5'-O5'-PA-O2A
160	YZ	602	GTP	C5'-O5'-PA-O3A
160	YZ	602	GTP	C5'-O5'-PA-O1A
160	YZ	602	GTP	C5'-O5'-PA-O2A
160	ZB	501	GTP	C5'-O5'-PA-O3A
160	ZB	501	GTP	C5'-O5'-PA-O1A
160	ZB	501	GTP	C5'-O5'-PA-O2A
160	ZD	501	GTP	C5'-O5'-PA-O3A
160	ZD	501	GTP	C5'-O5'-PA-O1A
160	ZD	501	GTP	C5'-O5'-PA-O2A
160	ZF	602	GTP	C5'-O5'-PA-O3A
160	ZF	602	GTP	C5'-O5'-PA-O1A
160	ZF	602	GTP	C5'-O5'-PA-O2A
160	ZH	501	GTP	C5'-O5'-PA-O3A
160	ZH	501	GTP	C5'-O5'-PA-O1A
160	ZH	501	GTP	C5'-O5'-PA-O2A
160	ZJ	501	GTP	C5'-O5'-PA-O3A
160	ZJ	501	GTP	C5'-O5'-PA-O1A
160	ZJ	501	GTP	C5'-O5'-PA-O2A
160	ZL	602	GTP	C5'-O5'-PA-O3A
160	ZL	602	GTP	C5'-O5'-PA-O1A
160	ZL	602	GTP	C5'-O5'-PA-O2A
160	ZN	602	GTP	C5'-O5'-PA-O3A
160	ZN	602	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
160	ZN	602	GTP	C5'-O5'-PA-O2A
160	ZP	501	GTP	C5'-O5'-PA-O3A
160	ZP	501	GTP	C5'-O5'-PA-O1A
160	ZP	501	GTP	C5'-O5'-PA-O2A
160	ZR	602	GTP	C5'-O5'-PA-O3A
160	ZR	602	GTP	C5'-O5'-PA-O1A
160	ZR	602	GTP	C5'-O5'-PA-O2A
160	ZT	602	GTP	C5'-O5'-PA-O3A
160	ZT	602	GTP	C5'-O5'-PA-O1A
160	ZT	602	GTP	C5'-O5'-PA-O2A
160	ZV	602	GTP	C5'-O5'-PA-O3A
160	ZV	602	GTP	C5'-O5'-PA-O1A
160	ZV	602	GTP	C5'-O5'-PA-O2A
160	ZX	501	GTP	C5'-O5'-PA-O3A
160	ZX	501	GTP	C5'-O5'-PA-O1A
160	ZX	501	GTP	C5'-O5'-PA-O2A
160	ZZ	501	GTP	C5'-O5'-PA-O3A
160	ZZ	501	GTP	C5'-O5'-PA-O1A
160	ZZ	501	GTP	C5'-O5'-PA-O2A
156	7a	4701	ATP	O4'-C4'-C5'-O5'
156	7a	4702	ATP	O4'-C4'-C5'-O5'
156	7b	4703	ATP	C3'-C4'-C5'-O5'
156	7e	4702	ATP	O4'-C4'-C5'-O5'
156	7e	4703	ATP	O4'-C4'-C5'-O5'
156	8e	4702	ATP	O4'-C4'-C5'-O5'
156	8e	4703	ATP	O4'-C4'-C5'-O5'
156	9e	5001	ATP	C3'-C4'-C5'-O5'
156	9e	5003	ATP	O4'-C4'-C5'-O5'
156	9e	5004	ATP	O4'-C4'-C5'-O5'
156	9f	4704	ATP	O4'-C4'-C5'-O5'
157	7a	4703	ADP	C3'-C4'-C5'-O5'
157	7e	4701	ADP	C3'-C4'-C5'-O5'
157	8e	4701	ADP	C3'-C4'-C5'-O5'
157	9e	5002	ADP	C3'-C4'-C5'-O5'
160	UJ	501	GTP	C3'-C4'-C5'-O5'
160	XM	602	GTP	C3'-C4'-C5'-O5'
160	XY	501	GTP	C3'-C4'-C5'-O5'
156	7a	4701	ATP	C3'-C4'-C5'-O5'
156	7b	4703	ATP	O4'-C4'-C5'-O5'
156	7e	4702	ATP	C3'-C4'-C5'-O5'
156	7f	4702	ATP	O4'-C4'-C5'-O5'
156	7f	4703	ATP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
156	8e	4702	ATP	C3'-C4'-C5'-O5'
156	8e	4703	ATP	C3'-C4'-C5'-O5'
156	8e	4704	ATP	O4'-C4'-C5'-O5'
156	8e	4704	ATP	C3'-C4'-C5'-O5'
156	9e	5001	ATP	O4'-C4'-C5'-O5'
156	9e	5003	ATP	C3'-C4'-C5'-O5'
156	9e	5004	ATP	C3'-C4'-C5'-O5'
156	9f	4701	ATP	O4'-C4'-C5'-O5'
156	9f	4704	ATP	C3'-C4'-C5'-O5'
160	UJ	501	GTP	O4'-C4'-C5'-O5'
157	9f	4702	ADP	C2'-C1'-N9-C4
156	7a	4702	ATP	C3'-C4'-C5'-O5'
156	7e	4703	ATP	C3'-C4'-C5'-O5'
156	7e	4704	ATP	O4'-C4'-C5'-O5'
156	7e	4704	ATP	C3'-C4'-C5'-O5'
156	7f	4703	ATP	C3'-C4'-C5'-O5'
156	7a	4704	ATP	O4'-C4'-C5'-O5'
156	7a	4704	ATP	C3'-C4'-C5'-O5'
157	7b	4704	ADP	C2'-C1'-N9-C8
157	8f	4701	ADP	C2'-C1'-N9-C8
156	8f	4702	ATP	C3'-C4'-C5'-O5'
157	7f	4701	ADP	C2'-C1'-N9-C8
156	8f	4702	ATP	O4'-C4'-C5'-O5'
156	8f	4703	ATP	O4'-C4'-C5'-O5'
160	SS	602	GTP	C3'-C4'-C5'-O5'
156	8f	4703	ATP	C3'-C4'-C5'-O5'
156	8f	4703	ATP	PA-O3A-PB-O3B
156	7a	4702	ATP	PG-O3B-PB-O1B
156	7a	4704	ATP	PA-O3A-PB-O1B
156	7f	4702	ATP	PG-O3B-PB-O1B
156	9f	4703	ATP	PG-O3B-PB-O1B
160	AB	602	GTP	PG-O3B-PB-O1B
160	AD	501	GTP	PG-O3B-PB-O1B
160	AF	501	GTP	PG-O3B-PB-O1B
160	AH	501	GTP	PG-O3B-PB-O1B
160	AJ	501	GTP	PG-O3B-PB-O1B
160	AL	602	GTP	PG-O3B-PB-O1B
160	AN	501	GTP	PG-O3B-PB-O1B
160	AP	602	GTP	PG-O3B-PB-O1B
160	AR	602	GTP	PG-O3B-PB-O1B
160	AT	501	GTP	PG-O3B-PB-O1B
160	AV	501	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	AX	501	GTP	PG-O3B-PB-O1B
160	AZ	501	GTP	PG-O3B-PB-O1B
160	Ab	501	GTP	PG-O3B-PB-O1B
160	Af	501	GTP	PG-O3B-PB-O1B
160	Ah	501	GTP	PG-O3B-PB-O1B
160	Aj	501	GTP	PG-O3B-PB-O1B
160	Al	602	GTP	PG-O3B-PB-O1B
160	An	602	GTP	PG-O3B-PB-O1B
160	Ap	501	GTP	PG-O3B-PB-O1B
160	BB	501	GTP	PG-O3B-PB-O1B
160	BD	602	GTP	PG-O3B-PB-O1B
160	BF	602	GTP	PG-O3B-PB-O1B
160	BH	602	GTP	PG-O3B-PB-O1B
160	BJ	602	GTP	PG-O3B-PB-O1B
160	BL	501	GTP	PG-O3B-PB-O1B
160	BN	602	GTP	PG-O3B-PB-O1B
160	BP	501	GTP	PG-O3B-PB-O1B
160	BR	501	GTP	PG-O3B-PB-O1B
160	BT	602	GTP	PG-O3B-PB-O1B
160	BV	602	GTP	PG-O3B-PB-O1B
160	BX	602	GTP	PG-O3B-PB-O1B
160	BZ	501	GTP	PG-O3B-PB-O1B
160	CB	501	GTP	PG-O3B-PB-O1B
160	CD	602	GTP	PG-O3B-PB-O1B
160	CF	501	GTP	PG-O3B-PB-O1B
160	CI	501	GTP	PG-O3B-PB-O1B
160	CJ	501	GTP	PG-O3B-PB-O1B
160	CL	501	GTP	PG-O3B-PB-O1B
160	CN	602	GTP	PG-O3B-PB-O1B
160	CP	602	GTP	PG-O3B-PB-O1B
160	CR	501	GTP	PG-O3B-PB-O1B
160	CT	602	GTP	PG-O3B-PB-O1B
160	CV	501	GTP	PG-O3B-PB-O1B
160	CZ	501	GTP	PG-O3B-PB-O1B
160	DB	501	GTP	PG-O3B-PB-O1B
160	DD	501	GTP	PG-O3B-PB-O1B
160	DF	501	GTP	PG-O3B-PB-O1B
160	DH	501	GTP	PG-O3B-PB-O1B
160	DJ	501	GTP	PG-O3B-PB-O1B
160	DL	501	GTP	PG-O3B-PB-O1B
160	DM	501	GTP	PG-O3B-PB-O1B
160	DO	501	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	DQ	501	GTP	PG-O3B-PB-O1B
160	DS	602	GTP	PG-O3B-PB-O1B
160	DW	602	GTP	PG-O3B-PB-O1B
160	DY	501	GTP	PG-O3B-PB-O1B
160	EA	501	GTP	PG-O3B-PB-O1B
160	EC	501	GTP	PG-O3B-PB-O1B
160	EE	501	GTP	PG-O3B-PB-O1B
160	EG	501	GTP	PG-O3B-PB-O1B
160	EI	501	GTP	PG-O3B-PB-O1B
160	EK	602	GTP	PG-O3B-PB-O1B
160	EM	501	GTP	PG-O3B-PB-O1B
160	EO	501	GTP	PG-O3B-PB-O1B
160	EQ	602	GTP	PG-O3B-PB-O1B
160	ES	501	GTP	PG-O3B-PB-O1B
160	EU	501	GTP	PG-O3B-PB-O1B
160	EY	501	GTP	PG-O3B-PB-O1B
160	FA	602	GTP	PG-O3B-PB-O1B
160	FC	501	GTP	PG-O3B-PB-O1B
160	FE	501	GTP	PG-O3B-PB-O1B
160	FG	501	GTP	PG-O3B-PB-O1B
160	FI	602	GTP	PG-O3B-PB-O1B
160	FK	501	GTP	PG-O3B-PB-O1B
160	FM	501	GTP	PG-O3B-PB-O1B
160	FO	602	GTP	PG-O3B-PB-O1B
160	FQ	501	GTP	PG-O3B-PB-O1B
160	FS	602	GTP	PG-O3B-PB-O1B
160	FW	602	GTP	PG-O3B-PB-O1B
160	FY	501	GTP	PG-O3B-PB-O1B
160	GA	602	GTP	PG-O3B-PB-O1B
160	GC	602	GTP	PG-O3B-PB-O1B
160	GE	602	GTP	PG-O3B-PB-O1B
160	GG	501	GTP	PG-O3B-PB-O1B
160	GI	501	GTP	PG-O3B-PB-O1B
160	GK	602	GTP	PG-O3B-PB-O1B
160	GM	501	GTP	PG-O3B-PB-O1B
160	GO	501	GTP	PG-O3B-PB-O1B
160	GQ	602	GTP	PG-O3B-PB-O1B
160	GS	602	GTP	PG-O3B-PB-O1B
160	GU	602	GTP	PG-O3B-PB-O1B
160	GW	501	GTP	PG-O3B-PB-O1B
160	HA	501	GTP	PG-O3B-PB-O1B
160	HC	602	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	HE	602	GTP	PG-O3B-PB-O1B
160	HG	501	GTP	PG-O3B-PB-O1B
160	HI	602	GTP	PG-O3B-PB-O1B
160	HK	501	GTP	PG-O3B-PB-O1B
160	HM	602	GTP	PG-O3B-PB-O1B
160	HO	501	GTP	PG-O3B-PB-O1B
160	HQ	602	GTP	PG-O3B-PB-O1B
160	HS	501	GTP	PG-O3B-PB-O1B
160	HU	602	GTP	PG-O3B-PB-O1B
160	HW	501	GTP	PG-O3B-PB-O1B
160	HY	501	GTP	PG-O3B-PB-O1B
160	IA	501	GTP	PG-O3B-PB-O1B
160	IE	501	GTP	PG-O3B-PB-O1B
160	IM	602	GTP	PG-O3B-PB-O1B
160	IQ	501	GTP	PG-O3B-PB-O1B
160	IS	501	GTP	PG-O3B-PB-O1B
160	IW	501	GTP	PG-O3B-PB-O1B
160	IY	501	GTP	PG-O3B-PB-O1B
160	JA	501	GTP	PG-O3B-PB-O1B
160	JC	501	GTP	PG-O3B-PB-O1B
160	JH	602	GTP	PG-O3B-PB-O1B
160	JJ	501	GTP	PG-O3B-PB-O1B
160	JN	501	GTP	PG-O3B-PB-O1B
160	JP	602	GTP	PG-O3B-PB-O1B
160	JR	602	GTP	PG-O3B-PB-O1B
160	JT	501	GTP	PG-O3B-PB-O1B
160	JV	501	GTP	PG-O3B-PB-O1B
160	JX	501	GTP	PG-O3B-PB-O1B
160	JZ	501	GTP	PG-O3B-PB-O1B
160	KB	501	GTP	PG-O3B-PB-O1B
160	KD	501	GTP	PG-O3B-PB-O1B
160	KF	602	GTP	PG-O3B-PB-O1B
160	KH	501	GTP	PG-O3B-PB-O1B
160	KJ	602	GTP	PG-O3B-PB-O1B
160	KL	602	GTP	PG-O3B-PB-O1B
160	KN	602	GTP	PG-O3B-PB-O1B
160	KP	602	GTP	PG-O3B-PB-O1B
160	KR	602	GTP	PG-O3B-PB-O1B
160	KT	501	GTP	PG-O3B-PB-O1B
160	KV	602	GTP	PG-O3B-PB-O1B
160	KX	501	GTP	PG-O3B-PB-O1B
160	KZ	602	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	LB	501	GTP	PG-O3B-PB-O1B
160	LD	602	GTP	PG-O3B-PB-O1B
160	LF	602	GTP	PG-O3B-PB-O1B
160	LH	501	GTP	PG-O3B-PB-O1B
160	LJ	501	GTP	PG-O3B-PB-O1B
160	LL	501	GTP	PG-O3B-PB-O1B
160	LN	501	GTP	PG-O3B-PB-O1B
160	LP	502	GTP	PG-O3B-PB-O1B
160	LR	501	GTP	PG-O3B-PB-O1B
160	LT	602	GTP	PG-O3B-PB-O1B
160	LV	502	GTP	PG-O3B-PB-O1B
160	LX	501	GTP	PG-O3B-PB-O1B
160	LZ	501	GTP	PG-O3B-PB-O1B
160	MB	502	GTP	PG-O3B-PB-O1B
160	MD	502	GTP	PG-O3B-PB-O1B
160	MF	602	GTP	PG-O3B-PB-O1B
160	MH	501	GTP	PG-O3B-PB-O1B
160	MJ	602	GTP	PG-O3B-PB-O1B
160	ML	602	GTP	PG-O3B-PB-O1B
160	MN	502	GTP	PG-O3B-PB-O1B
160	MP	501	GTP	PG-O3B-PB-O1B
160	MR	602	GTP	PG-O3B-PB-O1B
160	MT	501	GTP	PG-O3B-PB-O1B
160	MV	502	GTP	PG-O3B-PB-O1B
160	MX	502	GTP	PG-O3B-PB-O1B
160	MZ	602	GTP	PG-O3B-PB-O1B
160	NB	501	GTP	PG-O3B-PB-O1B
160	ND	501	GTP	PG-O3B-PB-O1B
160	NF	502	GTP	PG-O3B-PB-O1B
160	NH	502	GTP	PG-O3B-PB-O1B
160	NJ	503	GTP	PG-O3B-PB-O1B
160	NL	602	GTP	PG-O3B-PB-O1B
160	NN	501	GTP	PG-O3B-PB-O1B
160	NP	501	GTP	PG-O3B-PB-O1B
160	NR	502	GTP	PG-O3B-PB-O1B
160	NT	602	GTP	PG-O3B-PB-O1B
160	NV	503	GTP	PG-O3B-PB-O1B
160	NX	501	GTP	PG-O3B-PB-O1B
160	NZ	602	GTP	PG-O3B-PB-O1B
160	OB	501	GTP	PG-O3B-PB-O1B
160	OD	602	GTP	PG-O3B-PB-O1B
160	OF	501	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	OH	501	GTP	PG-O3B-PB-O1B
160	OJ	602	GTP	PG-O3B-PB-O1B
160	OL	602	GTP	PG-O3B-PB-O1B
160	ON	501	GTP	PG-O3B-PB-O1B
160	OP	501	GTP	PG-O3B-PB-O1B
160	OR	602	GTP	PG-O3B-PB-O1B
160	OT	602	GTP	PG-O3B-PB-O1B
160	OV	501	GTP	PG-O3B-PB-O1B
160	OX	602	GTP	PG-O3B-PB-O1B
160	OZ	501	GTP	PG-O3B-PB-O1B
160	PC	602	GTP	PG-O3B-PB-O1B
160	PE	602	GTP	PG-O3B-PB-O1B
160	PG	501	GTP	PG-O3B-PB-O1B
160	PI	602	GTP	PG-O3B-PB-O1B
160	PK	501	GTP	PG-O3B-PB-O1B
160	PM	602	GTP	PG-O3B-PB-O1B
160	PO	602	GTP	PG-O3B-PB-O1B
160	PQ	501	GTP	PG-O3B-PB-O1B
160	PS	501	GTP	PG-O3B-PB-O1B
160	PU	602	GTP	PG-O3B-PB-O1B
160	PW	501	GTP	PG-O3B-PB-O1B
160	PY	602	GTP	PG-O3B-PB-O1B
160	QA	602	GTP	PG-O3B-PB-O1B
160	QC	501	GTP	PG-O3B-PB-O1B
160	QE	501	GTP	PG-O3B-PB-O1B
160	QG	602	GTP	PG-O3B-PB-O1B
160	QK	602	GTP	PG-O3B-PB-O1B
160	QM	501	GTP	PG-O3B-PB-O1B
160	QQ	501	GTP	PG-O3B-PB-O1B
160	QS	501	GTP	PG-O3B-PB-O1B
160	QU	602	GTP	PG-O3B-PB-O1B
160	QW	501	GTP	PG-O3B-PB-O1B
160	QY	501	GTP	PG-O3B-PB-O1B
160	RA	602	GTP	PG-O3B-PB-O1B
160	RC	501	GTP	PG-O3B-PB-O1B
160	RE	501	GTP	PG-O3B-PB-O1B
160	RG	501	GTP	PG-O3B-PB-O1B
160	RI	501	GTP	PG-O3B-PB-O1B
160	RK	602	GTP	PG-O3B-PB-O1B
160	RM	501	GTP	PG-O3B-PB-O1B
160	RO	602	GTP	PG-O3B-PB-O1B
160	RQ	501	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	RS	501	GTP	PG-O3B-PB-O1B
160	RU	501	GTP	PG-O3B-PB-O1B
160	RW	501	GTP	PG-O3B-PB-O1B
160	RY	602	GTP	PG-O3B-PB-O1B
160	SC	602	GTP	PG-O3B-PB-O1B
160	SE	501	GTP	PG-O3B-PB-O1B
160	SG	501	GTP	PG-O3B-PB-O1B
160	SI	501	GTP	PG-O3B-PB-O1B
160	SK	602	GTP	PG-O3B-PB-O1B
160	SM	501	GTP	PG-O3B-PB-O1B
160	SO	501	GTP	PG-O3B-PB-O1B
160	SQ	602	GTP	PG-O3B-PB-O1B
160	SU	501	GTP	PG-O3B-PB-O1B
160	SW	501	GTP	PG-O3B-PB-O1B
160	SY	602	GTP	PG-O3B-PB-O1B
160	TA	602	GTP	PG-O3B-PB-O1B
160	TC	501	GTP	PG-O3B-PB-O1B
160	TE	501	GTP	PG-O3B-PB-O1B
160	TG	501	GTP	PG-O3B-PB-O1B
160	TI	501	GTP	PG-O3B-PB-O1B
160	TK	501	GTP	PG-O3B-PB-O1B
160	TM	501	GTP	PG-O3B-PB-O1B
160	TO	501	GTP	PG-O3B-PB-O1B
160	TQ	602	GTP	PG-O3B-PB-O1B
160	TR	501	GTP	PG-O3B-PB-O1B
160	TT	602	GTP	PG-O3B-PB-O1B
160	TV	501	GTP	PG-O3B-PB-O1B
160	TZ	602	GTP	PG-O3B-PB-O1B
160	UB	501	GTP	PG-O3B-PB-O1B
160	UD	501	GTP	PG-O3B-PB-O1B
160	UF	501	GTP	PG-O3B-PB-O1B
160	UH	501	GTP	PG-O3B-PB-O1B
160	UL	602	GTP	PG-O3B-PB-O1B
160	UN	602	GTP	PG-O3B-PB-O1B
160	UP	501	GTP	PG-O3B-PB-O1B
160	UR	501	GTP	PG-O3B-PB-O1B
160	UT	501	GTP	PG-O3B-PB-O1B
160	UW	602	GTP	PG-O3B-PB-O1B
160	UY	602	GTP	PG-O3B-PB-O1B
160	VA	501	GTP	PG-O3B-PB-O1B
160	VE	501	GTP	PG-O3B-PB-O1B
160	VG	501	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	VI	501	GTP	PG-O3B-PB-O1B
160	VK	501	GTP	PG-O3B-PB-O1B
160	VM	602	GTP	PG-O3B-PB-O1B
160	VQ	501	GTP	PG-O3B-PB-O1B
160	VS	501	GTP	PG-O3B-PB-O1B
160	VU	501	GTP	PG-O3B-PB-O1B
160	VW	501	GTP	PG-O3B-PB-O1B
160	VY	501	GTP	PG-O3B-PB-O1B
160	WC	501	GTP	PG-O3B-PB-O1B
160	WI	602	GTP	PG-O3B-PB-O1B
160	WK	602	GTP	PG-O3B-PB-O1B
160	WM	602	GTP	PG-O3B-PB-O1B
160	WO	501	GTP	PG-O3B-PB-O1B
160	WQ	602	GTP	PG-O3B-PB-O1B
160	WU	501	GTP	PG-O3B-PB-O1B
160	WW	501	GTP	PG-O3B-PB-O1B
160	WY	602	GTP	PG-O3B-PB-O1B
160	XA	501	GTP	PG-O3B-PB-O1B
160	XC	602	GTP	PG-O3B-PB-O1B
160	XE	501	GTP	PG-O3B-PB-O1B
160	XI	602	GTP	PG-O3B-PB-O1B
160	XK	501	GTP	PG-O3B-PB-O1B
160	XQ	501	GTP	PG-O3B-PB-O1B
160	XU	501	GTP	PG-O3B-PB-O1B
160	XW	602	GTP	PG-O3B-PB-O1B
160	YC	501	GTP	PG-O3B-PB-O1B
160	YG	602	GTP	PG-O3B-PB-O1B
160	YJ	602	GTP	PG-O3B-PB-O1B
160	YL	602	GTP	PG-O3B-PB-O1B
160	YN	501	GTP	PG-O3B-PB-O1B
160	YR	501	GTP	PG-O3B-PB-O1B
160	YV	602	GTP	PG-O3B-PB-O1B
160	YX	602	GTP	PG-O3B-PB-O1B
160	YZ	602	GTP	PG-O3B-PB-O1B
160	ZD	501	GTP	PG-O3B-PB-O1B
160	ZH	501	GTP	PG-O3B-PB-O1B
160	ZJ	501	GTP	PG-O3B-PB-O1B
160	ZL	602	GTP	PG-O3B-PB-O1B
160	ZN	602	GTP	PG-O3B-PB-O1B
160	ZP	501	GTP	PG-O3B-PB-O1B
160	ZR	602	GTP	PG-O3B-PB-O1B
160	ZT	602	GTP	PG-O3B-PB-O1B

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Mol	Chain	Res	Type	Atoms
160	ZV	602	GTP	PG-O3B-PB-O1B
160	ZX	501	GTP	PG-O3B-PB-O1B
160	ZZ	501	GTP	PG-O3B-PB-O1B
156	9f	4703	ATP	PA-O3A-PB-O3B
156	7b	4702	ATP	PB-O3A-PA-O5'
156	7f	4703	ATP	PB-O3B-PG-O1G
156	7b	4702	ATP	PG-O3B-PB-O3A
156	8f	4702	ATP	PG-O3B-PB-O3A
156	8e	4702	ATP	PB-O3B-PG-O2G
156	9e	5004	ATP	PB-O3B-PG-O3G
158	AG	501	GDP	PA-O3A-PB-O2B
157	7f	4701	ADP	O4'-C4'-C5'-O5'
156	7b	4703	ATP	PB-O3A-PA-O1A
156	7f	4703	ATP	PB-O3A-PA-O1A
156	8e	4702	ATP	PG-O3B-PB-O2B
156	8e	4704	ATP	PG-O3B-PB-O2B
156	8f	4704	ATP	PG-O3B-PB-O2B
157	7a	4703	ADP	PB-O3A-PA-O1A
160	Ad	602	GTP	PG-O3B-PB-O1B
160	CX	602	GTP	PG-O3B-PB-O1B
160	DU	501	GTP	PG-O3B-PB-O1B
160	EW	501	GTP	PG-O3B-PB-O1B
160	IG	501	GTP	PG-O3B-PB-O1B
160	II	501	GTP	PG-O3B-PB-O2B
160	IK	602	GTP	PG-O3B-PB-O1B
160	IU	501	GTP	PG-O3B-PB-O1B
160	JE	501	GTP	PG-O3B-PB-O1B
160	QI	602	GTP	PG-O3B-PB-O1B
160	QO	602	GTP	PG-O3B-PB-O1B
160	VO	501	GTP	PG-O3B-PB-O2B
160	WA	602	GTP	PG-O3B-PB-O1B
160	WE	602	GTP	PG-O3B-PB-O1B
160	WG	501	GTP	PA-O3A-PB-O2B
160	WS	501	GTP	PG-O3B-PB-O1B
160	XG	602	GTP	PG-O3B-PB-O1B
160	XO	602	GTP	PG-O3B-PB-O1B
160	XS	501	GTP	PG-O3B-PB-O1B
160	YA	602	GTP	PG-O3B-PB-O1B
160	YE	602	GTP	PG-O3B-PB-O1B
160	YT	602	GTP	PG-O3B-PB-O1B
160	ZF	602	GTP	PG-O3B-PB-O1B
156	9f	4704	ATP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
157	8f	4701	ADP	C2'-C1'-N9-C4
156	7b	4701	ATP	PA-O3A-PB-O3B
156	7a	4701	ATP	C5'-O5'-PA-O1A
156	7e	4702	ATP	C5'-O5'-PA-O1A
156	7e	4703	ATP	C5'-O5'-PA-O3A
156	8e	4703	ATP	C5'-O5'-PA-O1A
156	8f	4702	ATP	C5'-O5'-PA-O1A
156	8f	4704	ATP	C5'-O5'-PA-O1A
156	9e	5003	ATP	C5'-O5'-PA-O1A
156	9e	5004	ATP	C5'-O5'-PA-O2A
157	7b	4704	ADP	C5'-O5'-PA-O3A
157	7f	4701	ADP	C5'-O5'-PA-O3A
158	AA	501	GDP	C5'-O5'-PA-O1A
158	AC	501	GDP	C5'-O5'-PA-O1A
158	AE	501	GDP	C5'-O5'-PA-O1A
158	AG	501	GDP	C5'-O5'-PA-O3A
158	AG	501	GDP	C5'-O5'-PA-O1A
158	AI	501	GDP	C5'-O5'-PA-O1A
158	AK	501	GDP	C5'-O5'-PA-O1A
158	AM	501	GDP	C5'-O5'-PA-O1A
158	AO	501	GDP	C5'-O5'-PA-O1A
158	AQ	501	GDP	C5'-O5'-PA-O1A
158	AS	501	GDP	C5'-O5'-PA-O1A
158	AU	501	GDP	C5'-O5'-PA-O1A
158	AW	501	GDP	C5'-O5'-PA-O1A
158	AY	501	GDP	C5'-O5'-PA-O1A
158	Aa	501	GDP	C5'-O5'-PA-O1A
158	Ac	501	GDP	C5'-O5'-PA-O1A
158	Ag	501	GDP	C5'-O5'-PA-O1A
158	Ai	501	GDP	C5'-O5'-PA-O1A
158	Ak	501	GDP	C5'-O5'-PA-O1A
158	Am	501	GDP	C5'-O5'-PA-O1A
158	Ao	501	GDP	C5'-O5'-PA-O1A
158	BA	501	GDP	C5'-O5'-PA-O1A
158	BC	501	GDP	C5'-O5'-PA-O1A
158	BG	501	GDP	C5'-O5'-PA-O1A
158	BI	501	GDP	C5'-O5'-PA-O1A
158	BK	501	GDP	C5'-O5'-PA-O1A
158	BM	501	GDP	C5'-O5'-PA-O1A
158	BO	501	GDP	C5'-O5'-PA-O1A
158	BQ	501	GDP	C5'-O5'-PA-O1A
158	BS	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	BU	501	GDP	C5'-O5'-PA-O1A
158	BW	501	GDP	C5'-O5'-PA-O1A
158	BY	501	GDP	C5'-O5'-PA-O1A
158	CA	501	GDP	C5'-O5'-PA-O1A
158	CC	501	GDP	C5'-O5'-PA-O1A
158	CE	501	GDP	C5'-O5'-PA-O1A
158	CH	501	GDP	C5'-O5'-PA-O1A
158	CK	501	GDP	C5'-O5'-PA-O1A
158	CM	501	GDP	C5'-O5'-PA-O1A
158	CO	501	GDP	C5'-O5'-PA-O1A
158	CQ	501	GDP	C5'-O5'-PA-O1A
158	CS	501	GDP	C5'-O5'-PA-O1A
158	CU	501	GDP	C5'-O5'-PA-O1A
158	CW	501	GDP	C5'-O5'-PA-O1A
158	CY	501	GDP	C5'-O5'-PA-O1A
158	DA	501	GDP	C5'-O5'-PA-O1A
158	DC	501	GDP	C5'-O5'-PA-O1A
158	DE	501	GDP	C5'-O5'-PA-O1A
158	DG	501	GDP	C5'-O5'-PA-O1A
158	DI	501	GDP	C5'-O5'-PA-O1A
158	DK	501	GDP	C5'-O5'-PA-O1A
158	DN	501	GDP	C5'-O5'-PA-O1A
158	DP	501	GDP	C5'-O5'-PA-O1A
158	DR	501	GDP	C5'-O5'-PA-O1A
158	DT	501	GDP	C5'-O5'-PA-O1A
158	DV	501	GDP	C5'-O5'-PA-O1A
158	DX	501	GDP	C5'-O5'-PA-O1A
158	DZ	501	GDP	C5'-O5'-PA-O1A
158	EB	501	GDP	C5'-O5'-PA-O1A
158	ED	501	GDP	C5'-O5'-PA-O1A
158	EF	501	GDP	C5'-O5'-PA-O1A
158	EH	501	GDP	C5'-O5'-PA-O1A
158	EJ	501	GDP	C5'-O5'-PA-O1A
158	EL	501	GDP	C5'-O5'-PA-O1A
158	EN	501	GDP	C5'-O5'-PA-O1A
158	ER	501	GDP	C5'-O5'-PA-O1A
158	ET	501	GDP	C5'-O5'-PA-O1A
158	EV	501	GDP	C5'-O5'-PA-O1A
158	EX	501	GDP	C5'-O5'-PA-O1A
158	EZ	602	GDP	C5'-O5'-PA-O1A
158	FB	501	GDP	C5'-O5'-PA-O1A
158	FD	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	FF	501	GDP	C5'-O5'-PA-O1A
158	FH	501	GDP	C5'-O5'-PA-O1A
158	FJ	501	GDP	C5'-O5'-PA-O1A
158	FL	602	GDP	C5'-O5'-PA-O1A
158	FN	501	GDP	C5'-O5'-PA-O1A
158	FP	501	GDP	C5'-O5'-PA-O1A
158	FR	501	GDP	C5'-O5'-PA-O1A
158	FT	501	GDP	C5'-O5'-PA-O1A
158	FV	501	GDP	C5'-O5'-PA-O1A
158	FX	501	GDP	C5'-O5'-PA-O1A
158	FZ	501	GDP	C5'-O5'-PA-O1A
158	GB	501	GDP	C5'-O5'-PA-O1A
158	GD	501	GDP	C5'-O5'-PA-O1A
158	GF	501	GDP	C5'-O5'-PA-O1A
158	GH	501	GDP	C5'-O5'-PA-O1A
158	GJ	501	GDP	C5'-O5'-PA-O1A
158	GL	501	GDP	C5'-O5'-PA-O1A
158	GN	501	GDP	C5'-O5'-PA-O1A
158	GP	501	GDP	C5'-O5'-PA-O1A
158	GR	501	GDP	C5'-O5'-PA-O1A
158	GT	501	GDP	C5'-O5'-PA-O1A
158	GV	501	GDP	C5'-O5'-PA-O1A
158	GX	501	GDP	C5'-O5'-PA-O1A
158	GZ	501	GDP	C5'-O5'-PA-O1A
158	HD	501	GDP	C5'-O5'-PA-O1A
158	HF	501	GDP	C5'-O5'-PA-O1A
158	HH	501	GDP	C5'-O5'-PA-O1A
158	HJ	501	GDP	C5'-O5'-PA-O1A
158	HL	501	GDP	C5'-O5'-PA-O1A
158	HP	501	GDP	C5'-O5'-PA-O1A
158	HR	501	GDP	C5'-O5'-PA-O1A
158	HT	501	GDP	C5'-O5'-PA-O1A
158	HV	501	GDP	C5'-O5'-PA-O1A
158	HX	501	GDP	C5'-O5'-PA-O1A
158	IB	501	GDP	C5'-O5'-PA-O1A
158	ID	501	GDP	C5'-O5'-PA-O1A
158	IF	501	GDP	C5'-O5'-PA-O1A
158	IH	501	GDP	C5'-O5'-PA-O1A
158	IJ	501	GDP	C5'-O5'-PA-O1A
158	IL	501	GDP	C5'-O5'-PA-O1A
158	IN	501	GDP	C5'-O5'-PA-O1A
158	IP	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	IR	501	GDP	C5'-O5'-PA-O1A
158	IT	501	GDP	C5'-O5'-PA-O1A
158	IV	501	GDP	C5'-O5'-PA-O1A
158	IX	501	GDP	C5'-O5'-PA-O1A
158	IZ	501	GDP	C5'-O5'-PA-O1A
158	JB	501	GDP	C5'-O5'-PA-O1A
158	JD	501	GDP	C5'-O5'-PA-O1A
158	JF	501	GDP	C5'-O5'-PA-O1A
158	JG	501	GDP	C5'-O5'-PA-O1A
158	JI	501	GDP	C5'-O5'-PA-O1A
158	JK	501	GDP	C5'-O5'-PA-O1A
158	JM	501	GDP	C5'-O5'-PA-O1A
158	JO	501	GDP	C5'-O5'-PA-O1A
158	JQ	501	GDP	C5'-O5'-PA-O1A
158	JS	501	GDP	C5'-O5'-PA-O1A
158	JU	501	GDP	C5'-O5'-PA-O1A
158	JW	501	GDP	C5'-O5'-PA-O1A
158	JY	501	GDP	C5'-O5'-PA-O1A
158	KA	501	GDP	C5'-O5'-PA-O1A
158	KC	501	GDP	C5'-O5'-PA-O1A
158	KE	501	GDP	C5'-O5'-PA-O1A
158	KG	501	GDP	C5'-O5'-PA-O1A
158	KI	501	GDP	C5'-O5'-PA-O1A
158	KK	501	GDP	C5'-O5'-PA-O1A
158	KM	501	GDP	C5'-O5'-PA-O1A
158	KO	501	GDP	C5'-O5'-PA-O1A
158	KQ	501	GDP	C5'-O5'-PA-O1A
158	KS	501	GDP	C5'-O5'-PA-O1A
158	KU	501	GDP	C5'-O5'-PA-O1A
158	KW	501	GDP	C5'-O5'-PA-O1A
158	KY	501	GDP	C5'-O5'-PA-O1A
158	LA	501	GDP	C5'-O5'-PA-O1A
158	LC	501	GDP	C5'-O5'-PA-O1A
158	LE	501	GDP	C5'-O5'-PA-O1A
158	LG	501	GDP	C5'-O5'-PA-O1A
158	LI	501	GDP	C5'-O5'-PA-O1A
158	LK	501	GDP	C5'-O5'-PA-O1A
158	LM	501	GDP	C5'-O5'-PA-O1A
158	LO	501	GDP	C5'-O5'-PA-O1A
158	LQ	501	GDP	C5'-O5'-PA-O1A
158	LS	501	GDP	C5'-O5'-PA-O1A
158	LU	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	LW	501	GDP	C5'-O5'-PA-O1A
158	LY	501	GDP	C5'-O5'-PA-O1A
158	MA	501	GDP	C5'-O5'-PA-O1A
158	MC	501	GDP	C5'-O5'-PA-O1A
158	ME	501	GDP	C5'-O5'-PA-O1A
158	MG	501	GDP	C5'-O5'-PA-O1A
158	MI	501	GDP	C5'-O5'-PA-O1A
158	MK	501	GDP	C5'-O5'-PA-O1A
158	MM	501	GDP	C5'-O5'-PA-O1A
158	MO	501	GDP	C5'-O5'-PA-O1A
158	MQ	501	GDP	C5'-O5'-PA-O1A
158	MU	501	GDP	C5'-O5'-PA-O1A
158	MW	501	GDP	C5'-O5'-PA-O1A
158	MY	501	GDP	C5'-O5'-PA-O1A
158	NA	501	GDP	C5'-O5'-PA-O1A
158	NC	501	GDP	C5'-O5'-PA-O1A
158	NE	501	GDP	C5'-O5'-PA-O1A
158	NG	501	GDP	C5'-O5'-PA-O1A
158	NI	501	GDP	C5'-O5'-PA-O1A
158	NK	501	GDP	C5'-O5'-PA-O1A
158	NM	501	GDP	C5'-O5'-PA-O1A
158	NO	501	GDP	C5'-O5'-PA-O1A
158	NQ	501	GDP	C5'-O5'-PA-O1A
158	NS	501	GDP	C5'-O5'-PA-O1A
158	NU	501	GDP	C5'-O5'-PA-O1A
158	NY	501	GDP	C5'-O5'-PA-O1A
158	OA	501	GDP	C5'-O5'-PA-O1A
158	OC	501	GDP	C5'-O5'-PA-O1A
158	OE	501	GDP	C5'-O5'-PA-O1A
158	OG	501	GDP	C5'-O5'-PA-O1A
158	OI	501	GDP	C5'-O5'-PA-O1A
158	OK	501	GDP	C5'-O5'-PA-O1A
158	OM	501	GDP	C5'-O5'-PA-O1A
158	OO	501	GDP	C5'-O5'-PA-O1A
158	OQ	501	GDP	C5'-O5'-PA-O1A
158	OS	501	GDP	C5'-O5'-PA-O1A
158	OU	501	GDP	C5'-O5'-PA-O1A
158	OW	501	GDP	C5'-O5'-PA-O1A
158	OY	501	GDP	C5'-O5'-PA-O1A
158	PA	501	GDP	C5'-O5'-PA-O1A
158	PD	501	GDP	C5'-O5'-PA-O1A
158	PF	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	PH	501	GDP	C5'-O5'-PA-O1A
158	PJ	501	GDP	C5'-O5'-PA-O1A
158	PL	501	GDP	C5'-O5'-PA-O1A
158	PN	501	GDP	C5'-O5'-PA-O1A
158	PP	501	GDP	C5'-O5'-PA-O1A
158	PR	501	GDP	C5'-O5'-PA-O1A
158	PT	501	GDP	C5'-O5'-PA-O1A
158	PV	501	GDP	C5'-O5'-PA-O1A
158	PX	501	GDP	C5'-O5'-PA-O1A
158	PZ	501	GDP	C5'-O5'-PA-O1A
158	QB	501	GDP	C5'-O5'-PA-O1A
158	QD	501	GDP	C5'-O5'-PA-O1A
158	QF	501	GDP	C5'-O5'-PA-O1A
158	QH	501	GDP	C5'-O5'-PA-O1A
158	QJ	501	GDP	C5'-O5'-PA-O1A
158	QL	501	GDP	C5'-O5'-PA-O1A
158	QN	501	GDP	C5'-O5'-PA-O1A
158	QP	501	GDP	C5'-O5'-PA-O1A
158	QR	501	GDP	C5'-O5'-PA-O1A
158	QT	501	GDP	C5'-O5'-PA-O1A
158	QV	501	GDP	C5'-O5'-PA-O1A
158	QX	501	GDP	C5'-O5'-PA-O1A
158	QZ	501	GDP	C5'-O5'-PA-O1A
158	RB	501	GDP	C5'-O5'-PA-O1A
158	RD	501	GDP	C5'-O5'-PA-O1A
158	RF	501	GDP	C5'-O5'-PA-O1A
158	RH	501	GDP	C5'-O5'-PA-O1A
158	RJ	501	GDP	C5'-O5'-PA-O1A
158	RL	501	GDP	C5'-O5'-PA-O1A
158	RN	501	GDP	C5'-O5'-PA-O1A
158	RP	501	GDP	C5'-O5'-PA-O1A
158	RR	501	GDP	C5'-O5'-PA-O1A
158	RT	501	GDP	C5'-O5'-PA-O1A
158	RV	501	GDP	C5'-O5'-PA-O1A
158	RX	501	GDP	C5'-O5'-PA-O1A
158	RZ	501	GDP	C5'-O5'-PA-O1A
158	SB	501	GDP	C5'-O5'-PA-O1A
158	SD	501	GDP	C5'-O5'-PA-O1A
158	SF	501	GDP	C5'-O5'-PA-O1A
158	SH	501	GDP	C5'-O5'-PA-O1A
158	SJ	501	GDP	C5'-O5'-PA-O1A
158	SL	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	SN	501	GDP	C5'-O5'-PA-O1A
158	SP	501	GDP	C5'-O5'-PA-O1A
158	SR	501	GDP	C5'-O5'-PA-O1A
158	ST	501	GDP	C5'-O5'-PA-O1A
158	SV	501	GDP	C5'-O5'-PA-O1A
158	SX	501	GDP	C5'-O5'-PA-O1A
158	SZ	501	GDP	C5'-O5'-PA-O1A
158	TB	501	GDP	C5'-O5'-PA-O1A
158	TD	501	GDP	C5'-O5'-PA-O1A
158	TF	501	GDP	C5'-O5'-PA-O1A
158	TH	501	GDP	C5'-O5'-PA-O1A
158	TJ	501	GDP	C5'-O5'-PA-O1A
158	TL	501	GDP	C5'-O5'-PA-O1A
158	TN	501	GDP	C5'-O5'-PA-O1A
158	TP	501	GDP	C5'-O5'-PA-O1A
158	TS	501	GDP	C5'-O5'-PA-O1A
158	TU	501	GDP	C5'-O5'-PA-O1A
158	TW	501	GDP	C5'-O5'-PA-O1A
158	TY	501	GDP	C5'-O5'-PA-O1A
158	UA	501	GDP	C5'-O5'-PA-O1A
158	UC	501	GDP	C5'-O5'-PA-O1A
158	UE	501	GDP	C5'-O5'-PA-O1A
158	UG	501	GDP	C5'-O5'-PA-O1A
158	UI	501	GDP	C5'-O5'-PA-O1A
158	UK	501	GDP	C5'-O5'-PA-O1A
158	UM	501	GDP	C5'-O5'-PA-O1A
158	UO	501	GDP	C5'-O5'-PA-O1A
158	UQ	501	GDP	C5'-O5'-PA-O1A
158	US	501	GDP	C5'-O5'-PA-O1A
158	UU	501	GDP	C5'-O5'-PA-O1A
158	UX	501	GDP	C5'-O5'-PA-O1A
158	UZ	501	GDP	C5'-O5'-PA-O1A
158	VB	501	GDP	C5'-O5'-PA-O1A
158	VD	501	GDP	C5'-O5'-PA-O1A
158	VF	501	GDP	C5'-O5'-PA-O1A
158	VH	501	GDP	C5'-O5'-PA-O1A
158	VJ	501	GDP	C5'-O5'-PA-O1A
158	VL	501	GDP	C5'-O5'-PA-O1A
158	VN	501	GDP	C5'-O5'-PA-O1A
158	VP	501	GDP	C5'-O5'-PA-O1A
158	VR	501	GDP	C5'-O5'-PA-O1A
158	VT	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	VV	501	GDP	C5'-O5'-PA-O1A
158	VX	501	GDP	C5'-O5'-PA-O1A
158	VZ	501	GDP	C5'-O5'-PA-O1A
158	WB	501	GDP	C5'-O5'-PA-O1A
158	WD	501	GDP	C5'-O5'-PA-O1A
158	WF	501	GDP	C5'-O5'-PA-O1A
158	WH	501	GDP	C5'-O5'-PA-O1A
158	WJ	501	GDP	C5'-O5'-PA-O1A
158	WL	501	GDP	C5'-O5'-PA-O1A
158	WN	501	GDP	C5'-O5'-PA-O1A
158	WP	501	GDP	C5'-O5'-PA-O1A
158	WR	501	GDP	C5'-O5'-PA-O1A
158	WT	501	GDP	C5'-O5'-PA-O1A
158	WV	501	GDP	C5'-O5'-PA-O1A
158	WX	501	GDP	C5'-O5'-PA-O1A
158	WZ	501	GDP	C5'-O5'-PA-O1A
158	XB	501	GDP	C5'-O5'-PA-O1A
158	XD	501	GDP	C5'-O5'-PA-O1A
158	XF	501	GDP	C5'-O5'-PA-O1A
158	XH	501	GDP	C5'-O5'-PA-O1A
158	XJ	501	GDP	C5'-O5'-PA-O1A
158	XL	501	GDP	C5'-O5'-PA-O1A
158	XN	501	GDP	C5'-O5'-PA-O1A
158	XP	501	GDP	C5'-O5'-PA-O1A
158	XR	501	GDP	C5'-O5'-PA-O1A
158	XT	501	GDP	C5'-O5'-PA-O1A
158	XV	501	GDP	C5'-O5'-PA-O1A
158	XX	501	GDP	C5'-O5'-PA-O1A
158	XZ	501	GDP	C5'-O5'-PA-O1A
158	YB	501	GDP	C5'-O5'-PA-O1A
158	YD	501	GDP	C5'-O5'-PA-O1A
158	YF	501	GDP	C5'-O5'-PA-O1A
158	YH	501	GDP	C5'-O5'-PA-O1A
158	YK	501	GDP	C5'-O5'-PA-O1A
158	YM	501	GDP	C5'-O5'-PA-O1A
158	YO	501	GDP	C5'-O5'-PA-O1A
158	YQ	501	GDP	C5'-O5'-PA-O1A
158	YS	501	GDP	C5'-O5'-PA-O1A
158	YU	501	GDP	C5'-O5'-PA-O1A
158	YW	501	GDP	C5'-O5'-PA-O1A
158	YY	501	GDP	C5'-O5'-PA-O1A
158	ZA	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
158	ZC	501	GDP	C5'-O5'-PA-O1A
158	ZE	501	GDP	C5'-O5'-PA-O1A
158	ZG	501	GDP	C5'-O5'-PA-O1A
158	ZI	501	GDP	C5'-O5'-PA-O1A
158	ZK	501	GDP	C5'-O5'-PA-O1A
158	ZM	501	GDP	C5'-O5'-PA-O1A
158	ZO	501	GDP	C5'-O5'-PA-O1A
158	ZQ	501	GDP	C5'-O5'-PA-O1A
158	ZU	501	GDP	C5'-O5'-PA-O1A
158	ZW	501	GDP	C5'-O5'-PA-O1A
158	ZY	501	GDP	C5'-O5'-PA-O1A
160	IO	501	GTP	C5'-O5'-PA-O3A
160	IO	501	GTP	C5'-O5'-PA-O1A
160	VC	501	GTP	C5'-O5'-PA-O3A
160	WS	501	GTP	C5'-O5'-PA-O3A
160	WS	501	GTP	C5'-O5'-PA-O1A
157	8f	4701	ADP	O4'-C4'-C5'-O5'
156	8e	4704	ATP	O4'-C1'-N9-C8
156	7a	4704	ATP	PG-O3B-PB-O2B
156	7e	4703	ATP	PG-O3B-PB-O2B
156	7e	4704	ATP	PG-O3B-PB-O2B
156	8e	4704	ATP	PA-O3A-PB-O1B
156	9e	5004	ATP	PG-O3B-PB-O2B
157	7a	4703	ADP	PB-O3A-PA-O2A
157	7b	4704	ADP	PB-O3A-PA-O1A
157	7b	4704	ADP	PB-O3A-PA-O2A
157	7e	4701	ADP	PB-O3A-PA-O1A
157	7e	4701	ADP	PB-O3A-PA-O2A
157	7f	4701	ADP	PB-O3A-PA-O1A
157	7f	4701	ADP	PB-O3A-PA-O2A
157	8e	4701	ADP	PB-O3A-PA-O2A
157	8f	4701	ADP	PB-O3A-PA-O2A
157	9e	5002	ADP	PB-O3A-PA-O1A
157	9e	5002	ADP	PB-O3A-PA-O2A
157	9f	4702	ADP	PB-O3A-PA-O1A
157	9f	4702	ADP	PB-O3A-PA-O2A
160	AF	501	GTP	PG-O3B-PB-O2B
160	AH	501	GTP	PG-O3B-PB-O2B
160	AJ	501	GTP	PG-O3B-PB-O2B
160	AL	602	GTP	PG-O3B-PB-O2B
160	AN	501	GTP	PG-O3B-PB-O2B
160	AP	602	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	AR	602	GTP	PG-O3B-PB-O2B
160	AT	501	GTP	PG-O3B-PB-O2B
160	AV	501	GTP	PG-O3B-PB-O2B
160	AX	501	GTP	PG-O3B-PB-O2B
160	AZ	501	GTP	PG-O3B-PB-O2B
160	Ab	501	GTP	PG-O3B-PB-O2B
160	Af	501	GTP	PG-O3B-PB-O2B
160	Ah	501	GTP	PG-O3B-PB-O2B
160	Aj	501	GTP	PG-O3B-PB-O2B
160	Al	602	GTP	PG-O3B-PB-O2B
160	An	602	GTP	PG-O3B-PB-O2B
160	Ap	501	GTP	PG-O3B-PB-O2B
160	BB	501	GTP	PG-O3B-PB-O2B
160	BD	602	GTP	PG-O3B-PB-O2B
160	BJ	602	GTP	PG-O3B-PB-O2B
160	BL	501	GTP	PG-O3B-PB-O2B
160	BP	501	GTP	PG-O3B-PB-O2B
160	BT	602	GTP	PG-O3B-PB-O2B
160	BV	602	GTP	PG-O3B-PB-O2B
160	BX	602	GTP	PG-O3B-PB-O2B
160	BZ	501	GTP	PG-O3B-PB-O2B
160	CB	501	GTP	PG-O3B-PB-O2B
160	CD	602	GTP	PG-O3B-PB-O2B
160	CF	501	GTP	PG-O3B-PB-O2B
160	CI	501	GTP	PG-O3B-PB-O2B
160	CJ	501	GTP	PG-O3B-PB-O2B
160	CN	602	GTP	PG-O3B-PB-O2B
160	CP	602	GTP	PG-O3B-PB-O2B
160	CR	501	GTP	PG-O3B-PB-O2B
160	CZ	501	GTP	PG-O3B-PB-O2B
160	DB	501	GTP	PG-O3B-PB-O2B
160	DD	501	GTP	PG-O3B-PB-O2B
160	DF	501	GTP	PG-O3B-PB-O2B
160	DH	501	GTP	PG-O3B-PB-O2B
160	DJ	501	GTP	PG-O3B-PB-O2B
160	DL	501	GTP	PG-O3B-PB-O2B
160	DM	501	GTP	PG-O3B-PB-O2B
160	DQ	501	GTP	PG-O3B-PB-O2B
160	DY	501	GTP	PG-O3B-PB-O2B
160	EA	501	GTP	PG-O3B-PB-O2B
160	EE	501	GTP	PG-O3B-PB-O2B
160	EG	501	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	EI	501	GTP	PG-O3B-PB-O2B
160	EK	602	GTP	PG-O3B-PB-O2B
160	EM	501	GTP	PG-O3B-PB-O2B
160	EO	501	GTP	PG-O3B-PB-O2B
160	EQ	602	GTP	PG-O3B-PB-O2B
160	EU	501	GTP	PG-O3B-PB-O2B
160	EY	501	GTP	PG-O3B-PB-O2B
160	FA	602	GTP	PG-O3B-PB-O2B
160	FC	501	GTP	PG-O3B-PB-O2B
160	FE	501	GTP	PG-O3B-PB-O2B
160	FK	501	GTP	PG-O3B-PB-O2B
160	FM	501	GTP	PG-O3B-PB-O2B
160	FO	602	GTP	PG-O3B-PB-O2B
160	FQ	501	GTP	PG-O3B-PB-O2B
160	FS	602	GTP	PG-O3B-PB-O2B
160	GC	602	GTP	PG-O3B-PB-O2B
160	GE	602	GTP	PG-O3B-PB-O2B
160	GG	501	GTP	PG-O3B-PB-O2B
160	GI	501	GTP	PG-O3B-PB-O2B
160	GK	602	GTP	PG-O3B-PB-O2B
160	GM	501	GTP	PG-O3B-PB-O2B
160	GO	501	GTP	PG-O3B-PB-O2B
160	GQ	602	GTP	PG-O3B-PB-O2B
160	GS	602	GTP	PG-O3B-PB-O2B
160	GU	602	GTP	PG-O3B-PB-O2B
160	GW	501	GTP	PG-O3B-PB-O2B
160	HG	501	GTP	PG-O3B-PB-O2B
160	HI	602	GTP	PG-O3B-PB-O2B
160	HK	501	GTP	PG-O3B-PB-O2B
160	HM	602	GTP	PG-O3B-PB-O2B
160	HO	501	GTP	PG-O3B-PB-O2B
160	HQ	602	GTP	PG-O3B-PB-O2B
160	HS	501	GTP	PG-O3B-PB-O2B
160	HU	602	GTP	PG-O3B-PB-O2B
160	HW	501	GTP	PG-O3B-PB-O2B
160	HY	501	GTP	PG-O3B-PB-O2B
160	IA	501	GTP	PG-O3B-PB-O2B
160	IM	602	GTP	PG-O3B-PB-O2B
160	IS	501	GTP	PG-O3B-PB-O2B
160	IW	501	GTP	PG-O3B-PB-O2B
160	IY	501	GTP	PG-O3B-PB-O2B
160	JA	501	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	JC	501	GTP	PG-O3B-PB-O2B
160	JE	501	GTP	PG-O3B-PB-O2B
160	JN	501	GTP	PG-O3B-PB-O2B
160	JT	501	GTP	PG-O3B-PB-O2B
160	JZ	501	GTP	PG-O3B-PB-O2B
160	KB	501	GTP	PG-O3B-PB-O2B
160	KD	501	GTP	PG-O3B-PB-O2B
160	KF	602	GTP	PG-O3B-PB-O2B
160	KH	501	GTP	PG-O3B-PB-O2B
160	KJ	602	GTP	PG-O3B-PB-O2B
160	KL	602	GTP	PG-O3B-PB-O2B
160	KN	602	GTP	PG-O3B-PB-O2B
160	KP	602	GTP	PG-O3B-PB-O2B
160	KR	602	GTP	PG-O3B-PB-O2B
160	KT	501	GTP	PG-O3B-PB-O2B
160	KV	602	GTP	PG-O3B-PB-O2B
160	KX	501	GTP	PG-O3B-PB-O2B
160	LB	501	GTP	PG-O3B-PB-O2B
160	LD	602	GTP	PG-O3B-PB-O2B
160	LF	602	GTP	PG-O3B-PB-O2B
160	LH	501	GTP	PG-O3B-PB-O2B
160	LJ	501	GTP	PG-O3B-PB-O2B
160	LL	501	GTP	PG-O3B-PB-O2B
160	LN	501	GTP	PG-O3B-PB-O2B
160	LP	502	GTP	PG-O3B-PB-O2B
160	LR	501	GTP	PG-O3B-PB-O2B
160	LT	602	GTP	PG-O3B-PB-O2B
160	LV	502	GTP	PG-O3B-PB-O2B
160	LX	501	GTP	PG-O3B-PB-O2B
160	LZ	501	GTP	PG-O3B-PB-O2B
160	MB	502	GTP	PG-O3B-PB-O2B
160	MD	502	GTP	PG-O3B-PB-O2B
160	MF	602	GTP	PG-O3B-PB-O2B
160	MH	501	GTP	PG-O3B-PB-O2B
160	MJ	602	GTP	PG-O3B-PB-O2B
160	ML	602	GTP	PG-O3B-PB-O2B
160	MN	502	GTP	PG-O3B-PB-O2B
160	MP	501	GTP	PG-O3B-PB-O2B
160	MR	602	GTP	PG-O3B-PB-O2B
160	MT	501	GTP	PG-O3B-PB-O2B
160	MV	502	GTP	PG-O3B-PB-O2B
160	MX	502	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	MZ	602	GTP	PG-O3B-PB-O2B
160	NB	501	GTP	PG-O3B-PB-O2B
160	ND	501	GTP	PG-O3B-PB-O2B
160	NF	502	GTP	PG-O3B-PB-O2B
160	NH	502	GTP	PG-O3B-PB-O2B
160	NJ	503	GTP	PG-O3B-PB-O2B
160	NL	602	GTP	PG-O3B-PB-O2B
160	NN	501	GTP	PG-O3B-PB-O2B
160	NP	501	GTP	PG-O3B-PB-O2B
160	NR	502	GTP	PG-O3B-PB-O2B
160	NT	602	GTP	PG-O3B-PB-O2B
160	NV	503	GTP	PG-O3B-PB-O2B
160	NX	501	GTP	PG-O3B-PB-O2B
160	NZ	602	GTP	PG-O3B-PB-O2B
160	OB	501	GTP	PG-O3B-PB-O2B
160	OD	602	GTP	PG-O3B-PB-O2B
160	OF	501	GTP	PG-O3B-PB-O2B
160	OH	501	GTP	PG-O3B-PB-O2B
160	OJ	602	GTP	PG-O3B-PB-O2B
160	OL	602	GTP	PG-O3B-PB-O2B
160	ON	501	GTP	PG-O3B-PB-O2B
160	OP	501	GTP	PG-O3B-PB-O2B
160	OR	602	GTP	PG-O3B-PB-O2B
160	OT	602	GTP	PG-O3B-PB-O2B
160	OV	501	GTP	PG-O3B-PB-O2B
160	OX	602	GTP	PG-O3B-PB-O2B
160	OZ	501	GTP	PG-O3B-PB-O2B
160	PE	602	GTP	PG-O3B-PB-O2B
160	PG	501	GTP	PG-O3B-PB-O2B
160	PI	602	GTP	PG-O3B-PB-O2B
160	PK	501	GTP	PG-O3B-PB-O2B
160	PM	602	GTP	PG-O3B-PB-O2B
160	PO	602	GTP	PG-O3B-PB-O2B
160	PQ	501	GTP	PG-O3B-PB-O2B
160	PS	501	GTP	PG-O3B-PB-O2B
160	PU	602	GTP	PG-O3B-PB-O2B
160	PW	501	GTP	PG-O3B-PB-O2B
160	PY	602	GTP	PG-O3B-PB-O2B
160	QA	602	GTP	PG-O3B-PB-O2B
160	QC	501	GTP	PG-O3B-PB-O2B
160	QE	501	GTP	PG-O3B-PB-O2B
160	QG	602	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	QK	602	GTP	PG-O3B-PB-O2B
160	QM	501	GTP	PG-O3B-PB-O2B
160	QO	602	GTP	PG-O3B-PB-O2B
160	QQ	501	GTP	PG-O3B-PB-O2B
160	QS	501	GTP	PG-O3B-PB-O2B
160	QU	602	GTP	PG-O3B-PB-O2B
160	QW	501	GTP	PG-O3B-PB-O2B
160	QY	501	GTP	PG-O3B-PB-O2B
160	RA	602	GTP	PG-O3B-PB-O2B
160	RC	501	GTP	PG-O3B-PB-O2B
160	RE	501	GTP	PG-O3B-PB-O2B
160	RG	501	GTP	PG-O3B-PB-O2B
160	RI	501	GTP	PG-O3B-PB-O2B
160	RK	602	GTP	PG-O3B-PB-O2B
160	RO	602	GTP	PG-O3B-PB-O2B
160	RQ	501	GTP	PG-O3B-PB-O2B
160	RS	501	GTP	PG-O3B-PB-O2B
160	RU	501	GTP	PG-O3B-PB-O2B
160	RW	501	GTP	PG-O3B-PB-O2B
160	RY	602	GTP	PG-O3B-PB-O2B
160	SA	501	GTP	PG-O3B-PB-O1B
160	SC	602	GTP	PG-O3B-PB-O2B
160	SE	501	GTP	PG-O3B-PB-O2B
160	SG	501	GTP	PG-O3B-PB-O2B
160	SI	501	GTP	PG-O3B-PB-O2B
160	SK	602	GTP	PG-O3B-PB-O2B
160	SM	501	GTP	PG-O3B-PB-O2B
160	SO	501	GTP	PG-O3B-PB-O2B
160	SU	501	GTP	PG-O3B-PB-O2B
160	SW	501	GTP	PG-O3B-PB-O2B
160	SY	602	GTP	PG-O3B-PB-O2B
160	TA	602	GTP	PG-O3B-PB-O2B
160	TE	501	GTP	PG-O3B-PB-O2B
160	TG	501	GTP	PG-O3B-PB-O2B
160	TI	501	GTP	PG-O3B-PB-O2B
160	TK	501	GTP	PG-O3B-PB-O2B
160	TM	501	GTP	PG-O3B-PB-O2B
160	TQ	602	GTP	PG-O3B-PB-O2B
160	TR	501	GTP	PG-O3B-PB-O2B
160	TT	602	GTP	PG-O3B-PB-O2B
160	TV	501	GTP	PG-O3B-PB-O2B
160	TZ	602	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	UB	501	GTP	PG-O3B-PB-O2B
160	UD	501	GTP	PG-O3B-PB-O2B
160	UF	501	GTP	PG-O3B-PB-O2B
160	UH	501	GTP	PG-O3B-PB-O2B
160	UL	602	GTP	PG-O3B-PB-O2B
160	UN	602	GTP	PG-O3B-PB-O2B
160	UP	501	GTP	PG-O3B-PB-O2B
160	UR	501	GTP	PG-O3B-PB-O2B
160	UT	501	GTP	PG-O3B-PB-O2B
160	UW	602	GTP	PG-O3B-PB-O2B
160	UY	602	GTP	PG-O3B-PB-O2B
160	VA	501	GTP	PG-O3B-PB-O2B
160	VE	501	GTP	PG-O3B-PB-O2B
160	VG	501	GTP	PG-O3B-PB-O2B
160	VI	501	GTP	PG-O3B-PB-O2B
160	VK	501	GTP	PG-O3B-PB-O2B
160	VM	602	GTP	PG-O3B-PB-O2B
160	VQ	501	GTP	PG-O3B-PB-O2B
160	VS	501	GTP	PG-O3B-PB-O2B
160	VU	501	GTP	PG-O3B-PB-O2B
160	VW	501	GTP	PG-O3B-PB-O2B
160	VY	501	GTP	PG-O3B-PB-O2B
160	WC	501	GTP	PG-O3B-PB-O2B
160	WG	501	GTP	PA-O3A-PB-O1B
160	WI	602	GTP	PG-O3B-PB-O2B
160	WK	602	GTP	PG-O3B-PB-O2B
160	WM	602	GTP	PG-O3B-PB-O2B
160	WO	501	GTP	PG-O3B-PB-O2B
160	WQ	602	GTP	PG-O3B-PB-O2B
160	WU	501	GTP	PG-O3B-PB-O2B
160	WW	501	GTP	PG-O3B-PB-O2B
160	WY	602	GTP	PG-O3B-PB-O2B
160	XA	501	GTP	PG-O3B-PB-O2B
160	XC	602	GTP	PG-O3B-PB-O2B
160	XG	602	GTP	PG-O3B-PB-O2B
160	XI	602	GTP	PG-O3B-PB-O2B
160	XK	501	GTP	PG-O3B-PB-O2B
160	XQ	501	GTP	PG-O3B-PB-O2B
160	XU	501	GTP	PG-O3B-PB-O2B
160	XW	602	GTP	PG-O3B-PB-O2B
160	YA	602	GTP	PG-O3B-PB-O2B
160	YC	501	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	YE	602	GTP	PG-O3B-PB-O2B
160	YG	602	GTP	PG-O3B-PB-O2B
160	YJ	602	GTP	PG-O3B-PB-O2B
160	YL	602	GTP	PG-O3B-PB-O2B
160	YN	501	GTP	PG-O3B-PB-O2B
160	YP	602	GTP	PG-O3B-PB-O1B
160	YP	602	GTP	PG-O3B-PB-O2B
160	YR	501	GTP	PG-O3B-PB-O2B
160	YT	602	GTP	PG-O3B-PB-O2B
160	YV	602	GTP	PG-O3B-PB-O2B
160	YX	602	GTP	PG-O3B-PB-O2B
160	YZ	602	GTP	PG-O3B-PB-O2B
160	ZB	501	GTP	PG-O3B-PB-O1B
160	ZB	501	GTP	PG-O3B-PB-O2B
160	ZD	501	GTP	PG-O3B-PB-O2B
160	ZF	602	GTP	PG-O3B-PB-O2B
160	ZH	501	GTP	PG-O3B-PB-O2B
160	ZJ	501	GTP	PG-O3B-PB-O2B
160	ZL	602	GTP	PG-O3B-PB-O2B
160	ZN	602	GTP	PG-O3B-PB-O2B
160	ZP	501	GTP	PG-O3B-PB-O2B
160	ZR	602	GTP	PG-O3B-PB-O2B
160	ZT	602	GTP	PG-O3B-PB-O2B
160	ZV	602	GTP	PG-O3B-PB-O2B
160	ZX	501	GTP	PG-O3B-PB-O2B
160	ZZ	501	GTP	PG-O3B-PB-O2B
157	7b	4704	ADP	C2'-C1'-N9-C4
157	7f	4701	ADP	C2'-C1'-N9-C4
157	7b	4704	ADP	O4'-C4'-C5'-O5'
157	9f	4702	ADP	O4'-C4'-C5'-O5'
156	8e	4704	ATP	O4'-C1'-N9-C4
156	9f	4703	ATP	C4'-C5'-O5'-PA
156	7b	4701	ATP	PG-O3B-PB-O1B
156	7e	4704	ATP	PA-O3A-PB-O1B
156	7f	4702	ATP	PG-O3B-PB-O2B
156	7f	4704	ATP	PG-O3B-PB-O1B
156	9e	5001	ATP	PG-O3B-PB-O2B
156	9e	5001	ATP	PA-O3A-PB-O1B
157	8e	4701	ADP	PB-O3A-PA-O1A
157	8f	4701	ADP	PB-O3A-PA-O1A
160	AB	602	GTP	PG-O3B-PB-O2B
160	AD	501	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
160	BF	602	GTP	PG-O3B-PB-O2B
160	BH	602	GTP	PG-O3B-PB-O2B
160	BN	602	GTP	PG-O3B-PB-O2B
160	BR	501	GTP	PG-O3B-PB-O2B
160	DU	501	GTP	PG-O3B-PB-O2B
160	EW	501	GTP	PG-O3B-PB-O2B
160	FG	501	GTP	PG-O3B-PB-O2B
160	FI	602	GTP	PG-O3B-PB-O2B
160	FW	602	GTP	PG-O3B-PB-O2B
160	FY	501	GTP	PG-O3B-PB-O2B
160	GA	602	GTP	PG-O3B-PB-O2B
160	HA	501	GTP	PG-O3B-PB-O2B
160	HE	602	GTP	PG-O3B-PB-O2B
160	IE	501	GTP	PG-O3B-PB-O2B
160	IG	501	GTP	PG-O3B-PB-O2B
160	IK	602	GTP	PG-O3B-PB-O2B
160	IQ	501	GTP	PG-O3B-PB-O2B
160	JJ	501	GTP	PG-O3B-PB-O2B
160	JL	501	GTP	PG-O3B-PB-O1B
160	JV	501	GTP	PG-O3B-PB-O2B
160	KZ	602	GTP	PG-O3B-PB-O2B
160	PC	602	GTP	PG-O3B-PB-O2B
160	QI	602	GTP	PG-O3B-PB-O2B
160	RM	501	GTP	PG-O3B-PB-O2B
160	VO	501	GTP	PG-O3B-PB-O1B
160	WE	602	GTP	PG-O3B-PB-O2B
160	XE	501	GTP	PG-O3B-PB-O2B
160	XO	602	GTP	PG-O3B-PB-O2B
160	XS	501	GTP	PG-O3B-PB-O2B
156	8f	4703	ATP	C4'-C5'-O5'-PA
158	Ae	501	GDP	C4'-C5'-O5'-PA
160	JL	501	GTP	C4'-C5'-O5'-PA
158	ZS	501	GDP	C4'-C5'-O5'-PA
156	8e	4702	ATP	PB-O3B-PG-O1G
156	7f	4704	ATP	PA-O3A-PB-O3B
156	7b	4703	ATP	PB-O3B-PG-O3G
157	7f	4701	ADP	C3'-C4'-C5'-O5'
158	HB	501	GDP	C4'-C5'-O5'-PA
158	HZ	501	GDP	C4'-C5'-O5'-PA
156	7a	4702	ATP	PG-O3B-PB-O2B
156	7a	4702	ATP	PA-O3A-PB-O2B
156	7b	4701	ATP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
156	7b	4702	ATP	PG-O3B-PB-O1B
156	7e	4703	ATP	PA-O3A-PB-O2B
156	7f	4703	ATP	PA-O3A-PB-O2B
156	7f	4704	ATP	PA-O3A-PB-O1B
156	8e	4704	ATP	PG-O3B-PB-O1B
156	8f	4702	ATP	PG-O3B-PB-O1B
156	8f	4704	ATP	PG-O3B-PB-O1B
156	9e	5001	ATP	PG-O3B-PB-O1B
156	9e	5004	ATP	PA-O3A-PB-O2B
156	9f	4701	ATP	PG-O3B-PB-O2B
156	9f	4701	ATP	PB-O3A-PA-O1A
156	9f	4703	ATP	PG-O3B-PB-O2B
160	Ad	602	GTP	PG-O3B-PB-O2B
160	CL	501	GTP	PG-O3B-PB-O2B
160	CT	602	GTP	PG-O3B-PB-O2B
160	CV	501	GTP	PG-O3B-PB-O2B
160	CX	602	GTP	PG-O3B-PB-O2B
160	DO	501	GTP	PG-O3B-PB-O2B
160	DS	602	GTP	PG-O3B-PB-O2B
160	DW	602	GTP	PG-O3B-PB-O2B
160	EC	501	GTP	PG-O3B-PB-O2B
160	ES	501	GTP	PG-O3B-PB-O2B
160	HC	602	GTP	PG-O3B-PB-O2B
160	II	501	GTP	PG-O3B-PB-O1B
160	IU	501	GTP	PG-O3B-PB-O2B
160	JH	602	GTP	PG-O3B-PB-O2B
160	JL	501	GTP	PG-O3B-PB-O2B
160	JP	602	GTP	PG-O3B-PB-O2B
160	JR	602	GTP	PG-O3B-PB-O2B
160	JX	501	GTP	PG-O3B-PB-O2B
160	SA	501	GTP	PG-O3B-PB-O2B
160	SQ	602	GTP	PG-O3B-PB-O2B
160	TC	501	GTP	PG-O3B-PB-O2B
160	TO	501	GTP	PG-O3B-PB-O2B
160	TX	602	GTP	PA-O3A-PB-O2B
160	WA	602	GTP	PG-O3B-PB-O2B
160	WS	501	GTP	PG-O3B-PB-O2B
156	7a	4702	ATP	O4'-C1'-N9-C8
156	7e	4703	ATP	O4'-C1'-N9-C8
156	9e	5004	ATP	O4'-C1'-N9-C8
157	7f	4701	ADP	O4'-C1'-N9-C8
156	9f	4703	ATP	O4'-C4'-C5'-O5'

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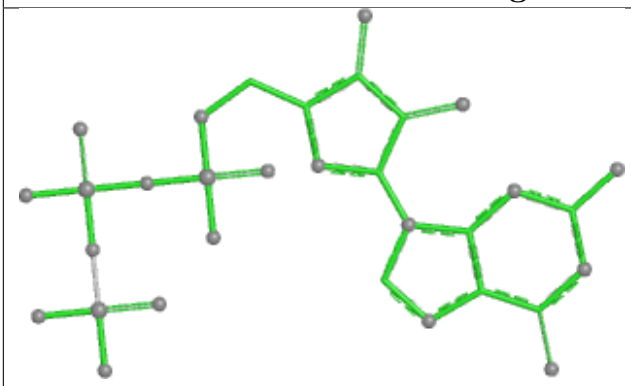
Mol	Chain	Res	Type	Atoms
160	SS	602	GTP	O4'-C4'-C5'-O5'
158	HN	501	GDP	C4'-C5'-O5'-PA
157	8f	4701	ADP	C3'-C4'-C5'-O5'
156	8e	4702	ATP	O4'-C1'-N9-C8
157	7b	4704	ADP	O4'-C1'-N9-C8
156	9e	5001	ATP	PA-O3A-PB-O3B
156	8e	4704	ATP	C4'-C5'-O5'-PA
156	7b	4701	ATP	PG-O3B-PB-O2B
156	7b	4702	ATP	PG-O3B-PB-O2B
156	7b	4703	ATP	PB-O3A-PA-O2A
156	7e	4703	ATP	PG-O3B-PB-O1B
156	7e	4704	ATP	PG-O3B-PB-O1B
156	7f	4703	ATP	PB-O3A-PA-O2A
156	7f	4704	ATP	PG-O3B-PB-O2B
156	8e	4702	ATP	PG-O3B-PB-O1B
156	8e	4702	ATP	PA-O3A-PB-O2B
156	8f	4702	ATP	PG-O3B-PB-O2B
156	8f	4704	ATP	PB-O3A-PA-O2A
156	9e	5004	ATP	PG-O3B-PB-O1B
156	9f	4701	ATP	PG-O3B-PB-O1B
156	9f	4701	ATP	PB-O3A-PA-O2A
156	9f	4704	ATP	PA-O3A-PB-O1B
156	9f	4704	ATP	PA-O3A-PB-O2B
160	UJ	501	GTP	PG-O3B-PB-O2B
156	7b	4702	ATP	O4'-C4'-C5'-O5'
156	8e	4704	ATP	PA-O3A-PB-O3B

There are no ring outliers.

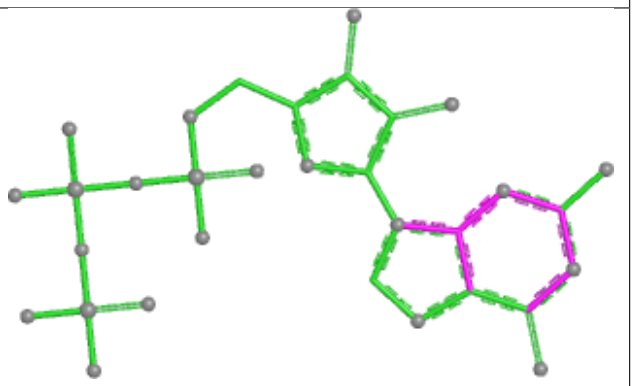
No monomer is involved in short contacts.

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.

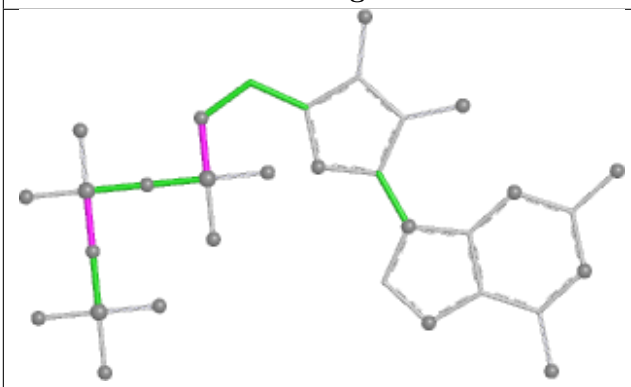
Ligand GTP UT 501



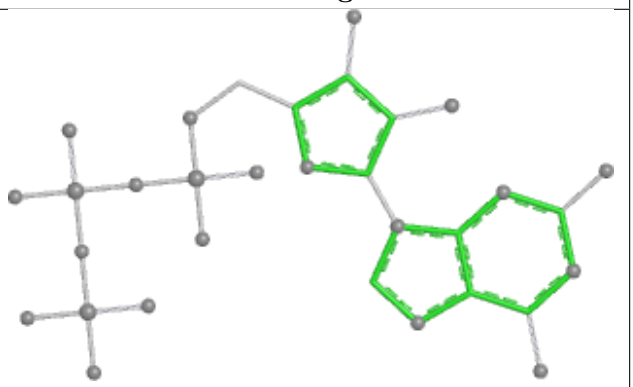
Bond lengths



Bond angles

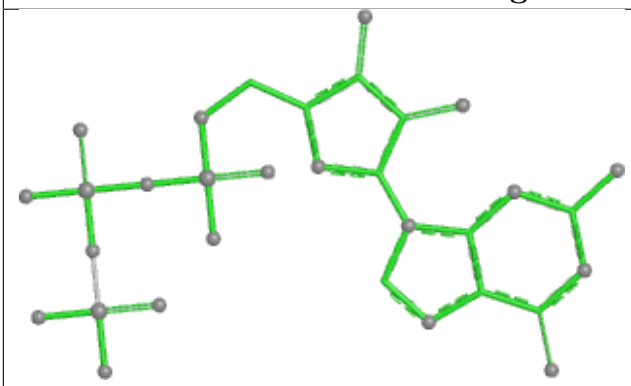


Torsions

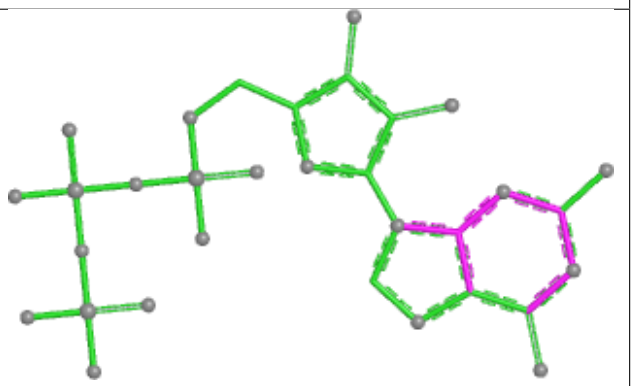


Rings

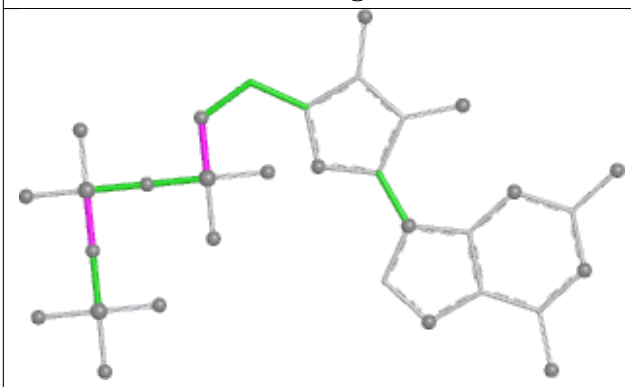
Ligand GTP PY 602



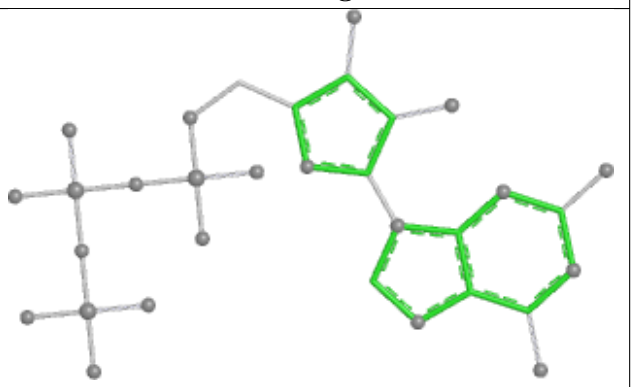
Bond lengths



Bond angles

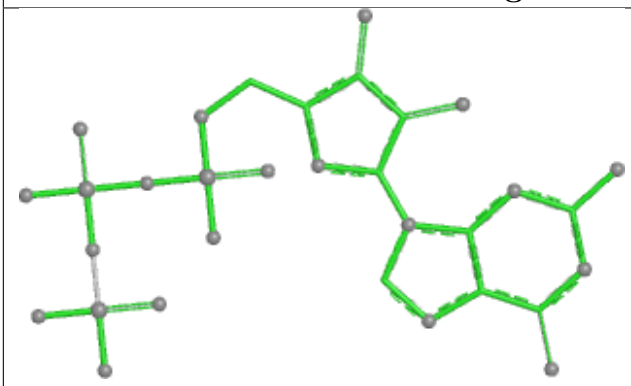


Torsions

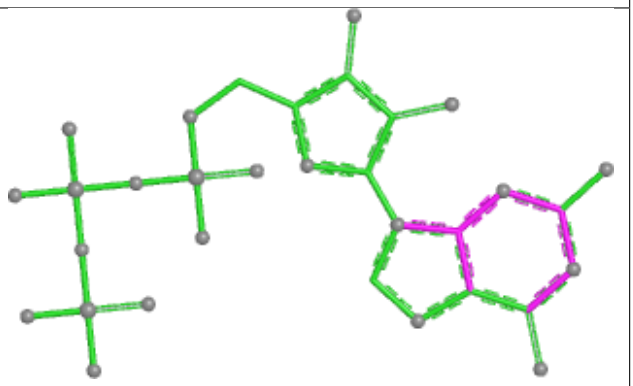


Rings

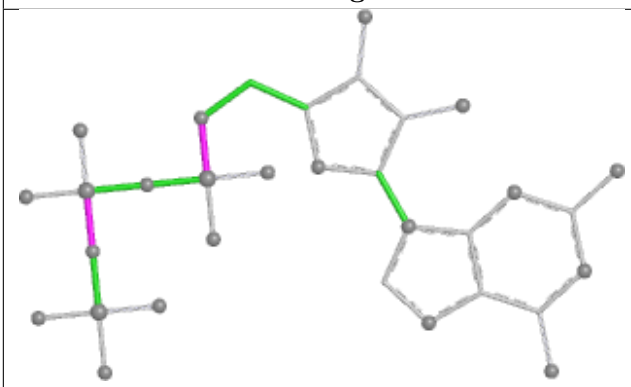
Ligand GTP MV 502



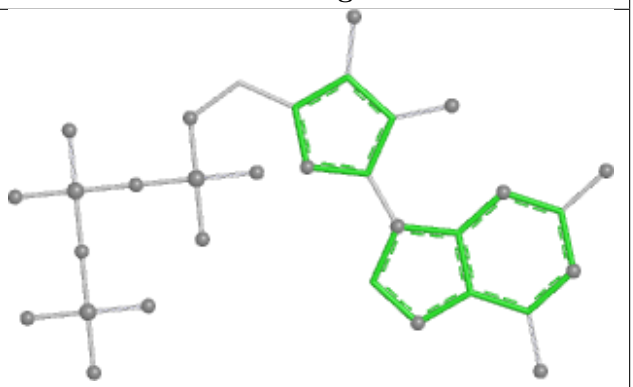
Bond lengths



Bond angles

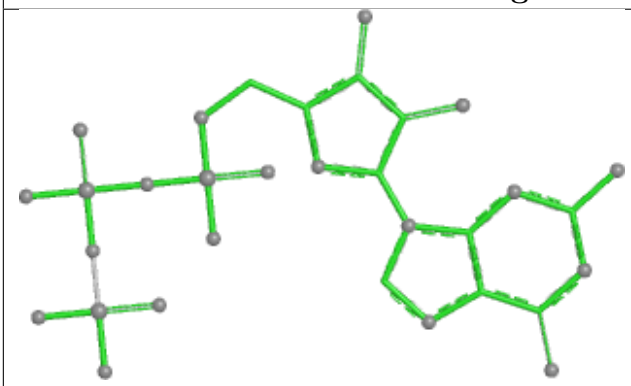


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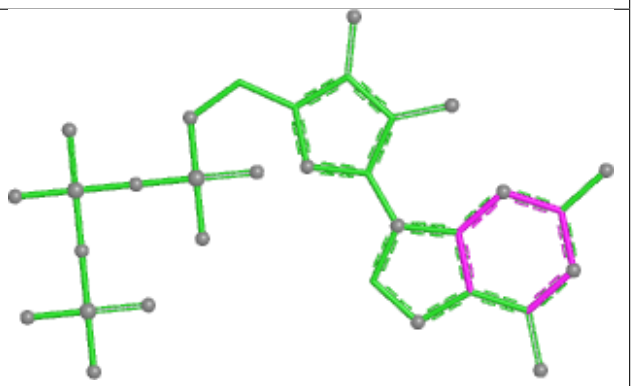


Rings

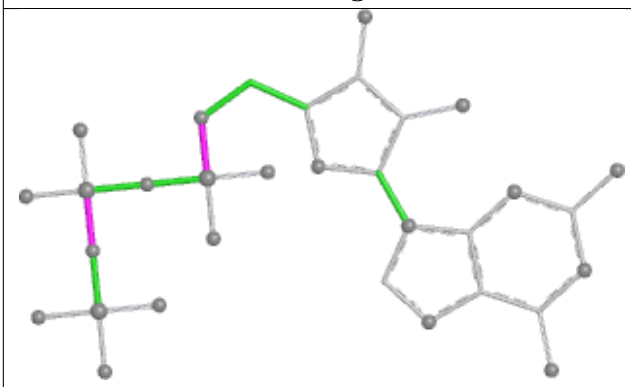
Ligand GTP ZD 501



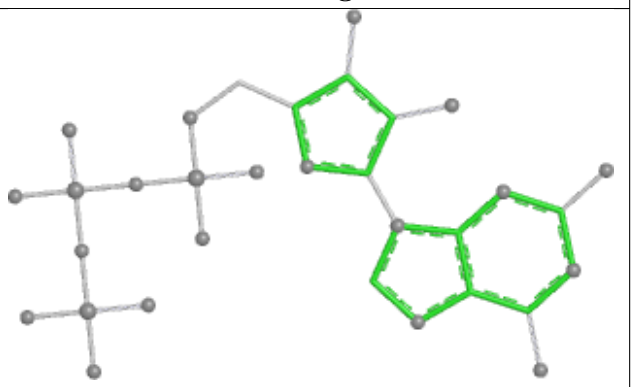
Bond lengths



Bond angles

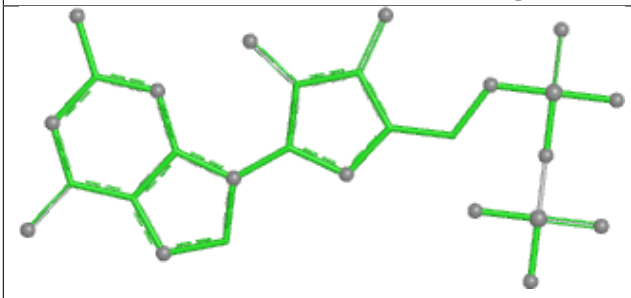


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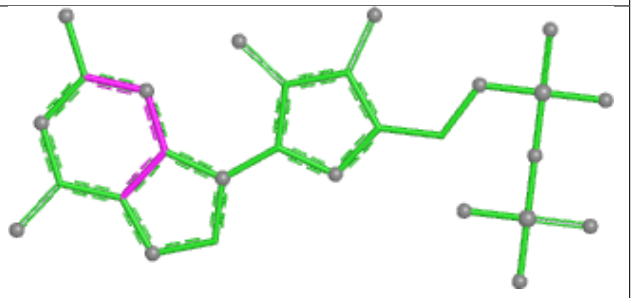


Rings

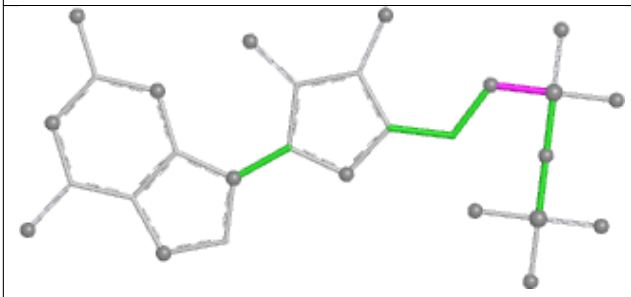
Ligand GDP CE 501



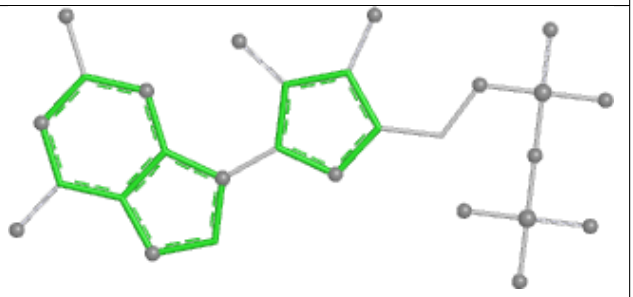
Bond lengths



Bond angles

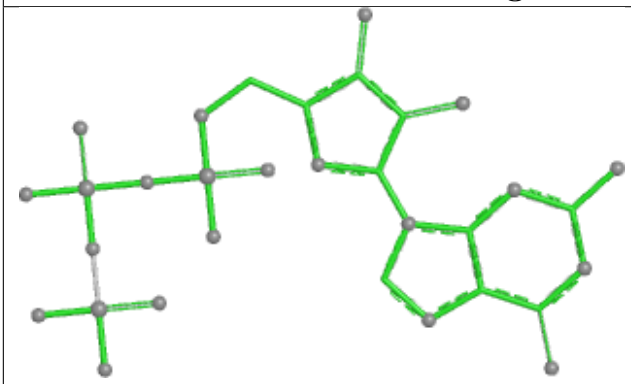


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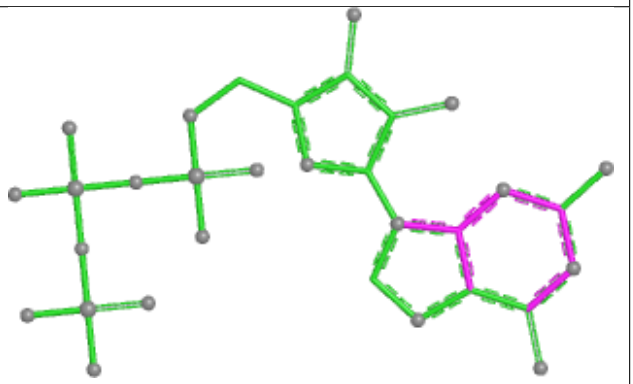


Rings

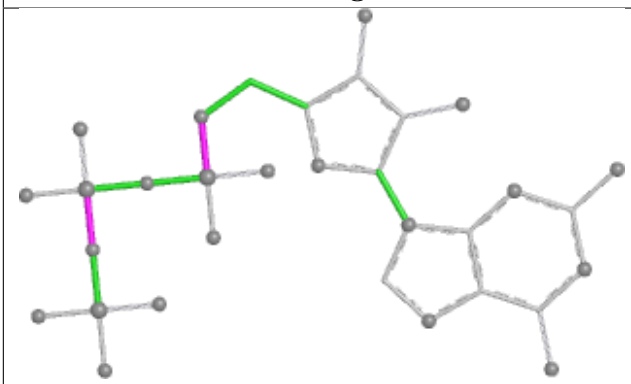
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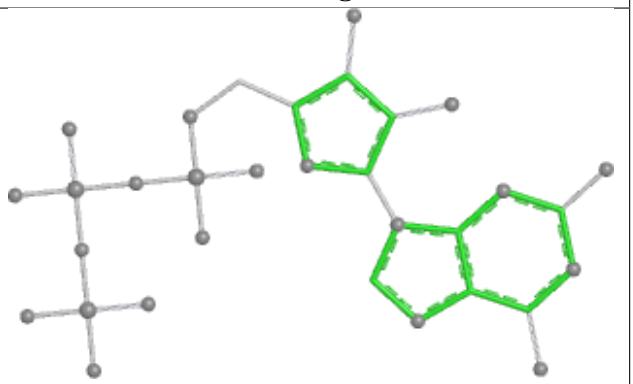
Bond lengths



Bond angles

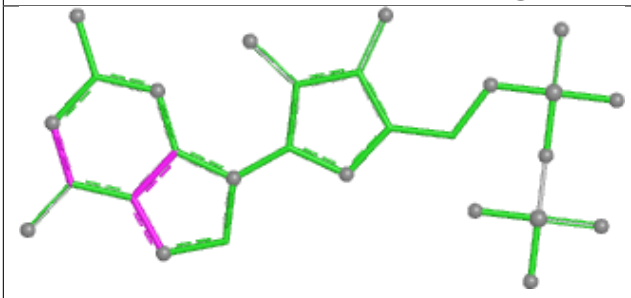


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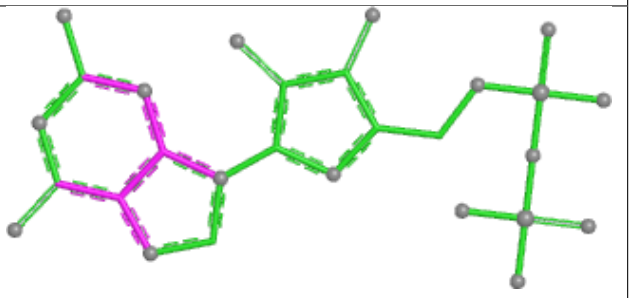


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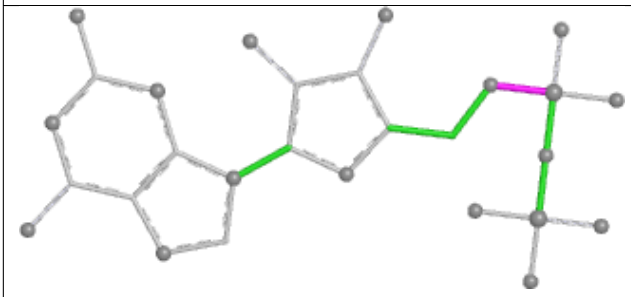
Ligand GDP FZ 501



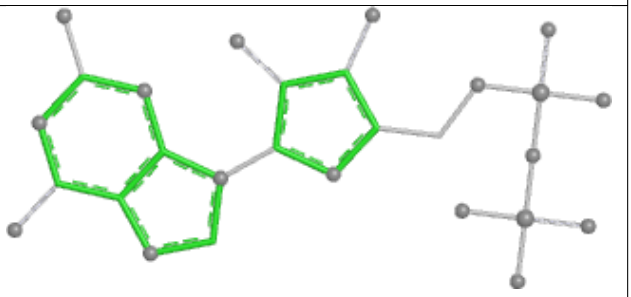
Bond lengths



Bond angles

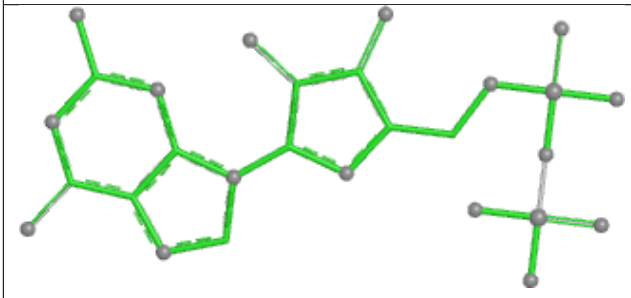


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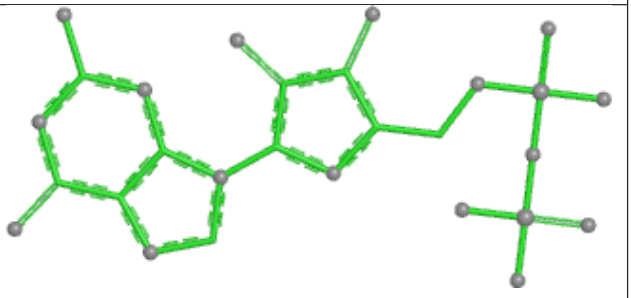


Rings

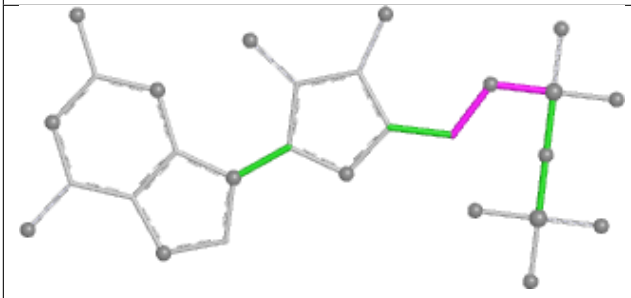
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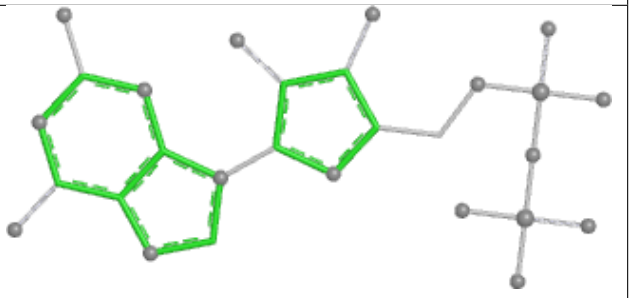
Bond lengths



Bond angles

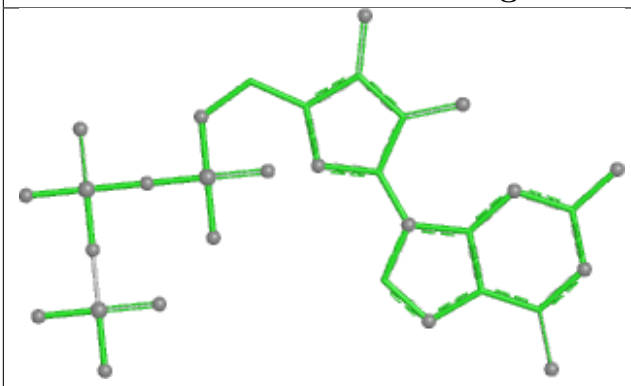


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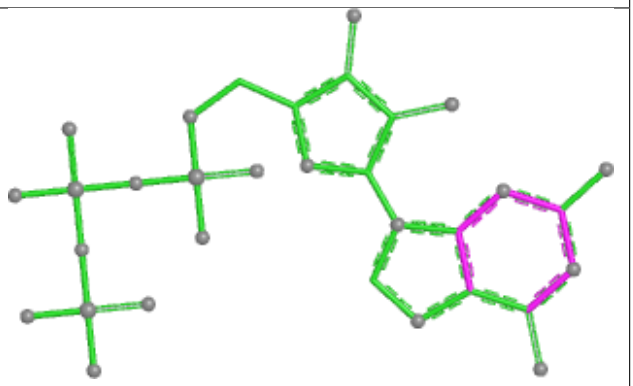


Rings

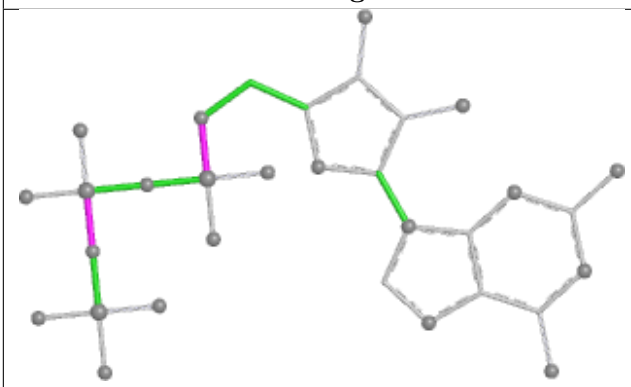
Ligand GTP WM 602



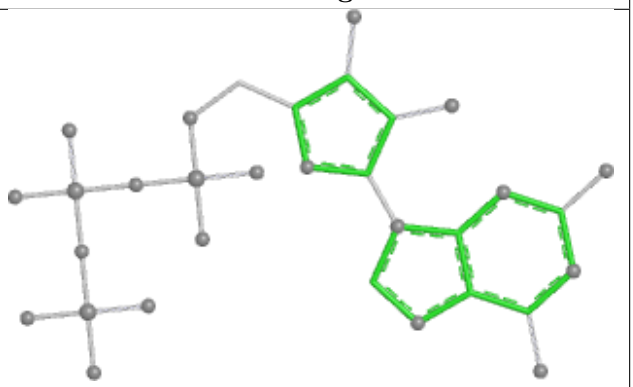
Bond lengths



Bond angles

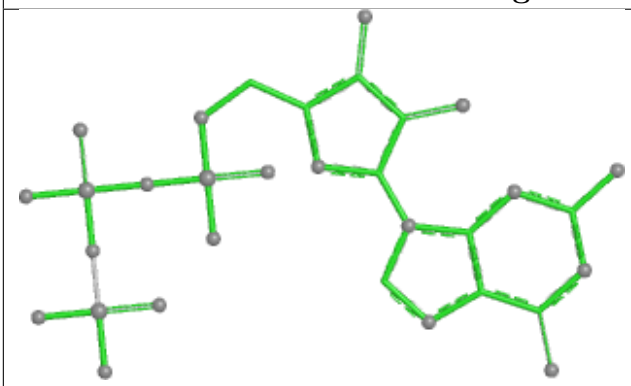


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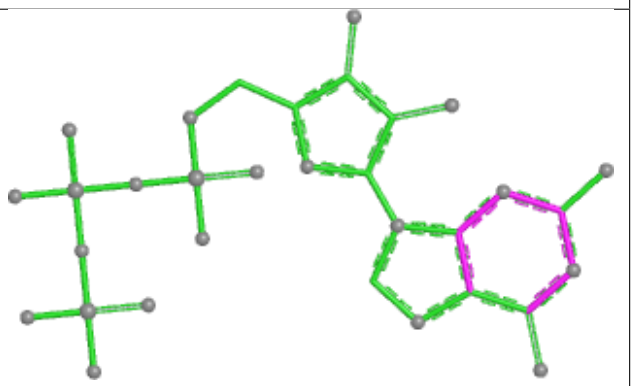


Rings

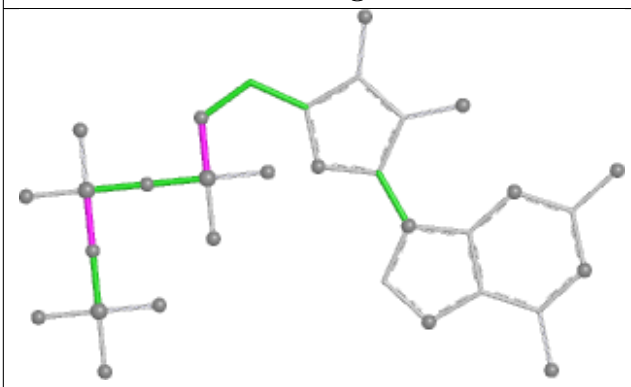
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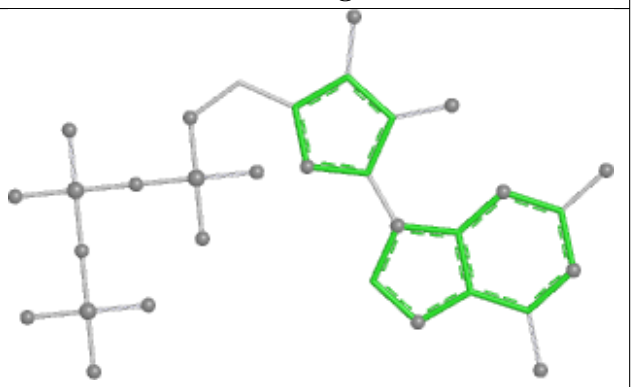
Bond lengths



Bond angles

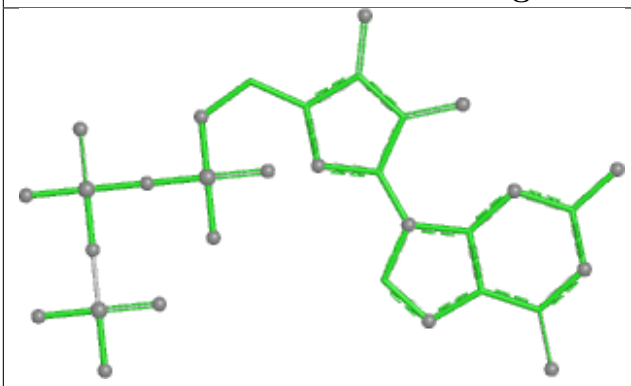


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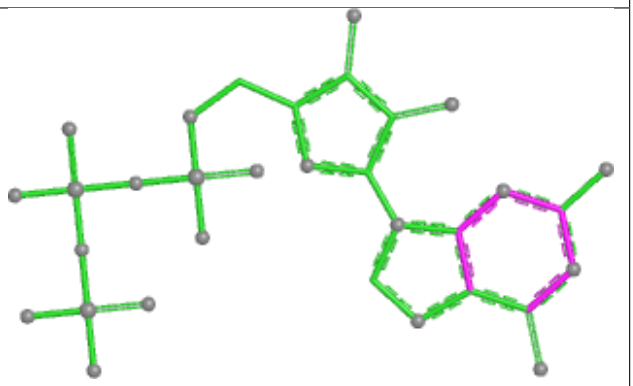


Rings

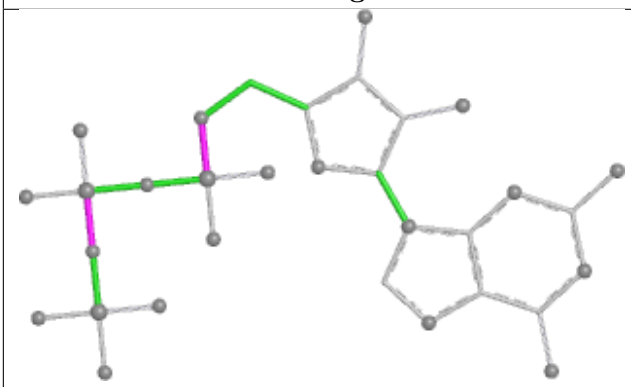
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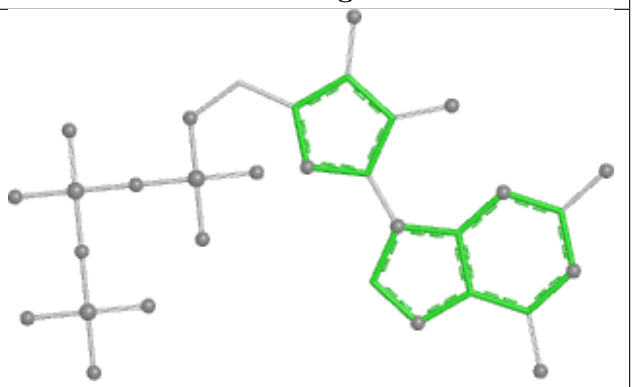
Bond lengths



Bond angles

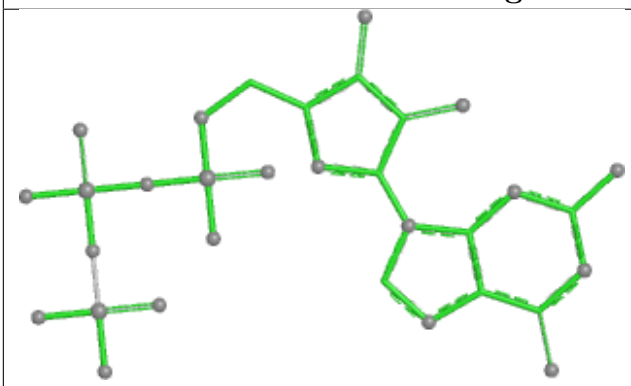


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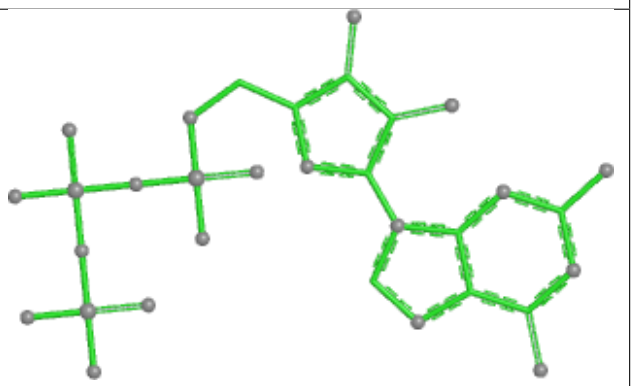


Rings

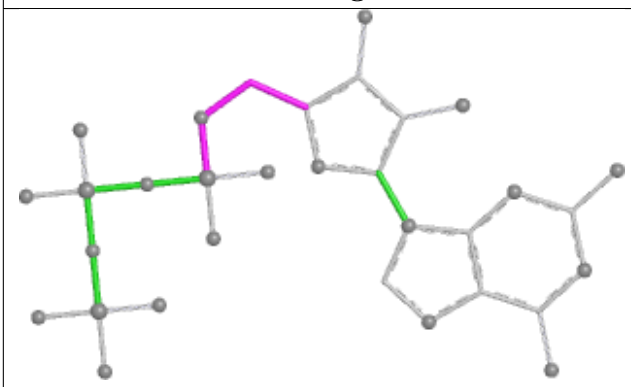
Ligand GTP XM 602



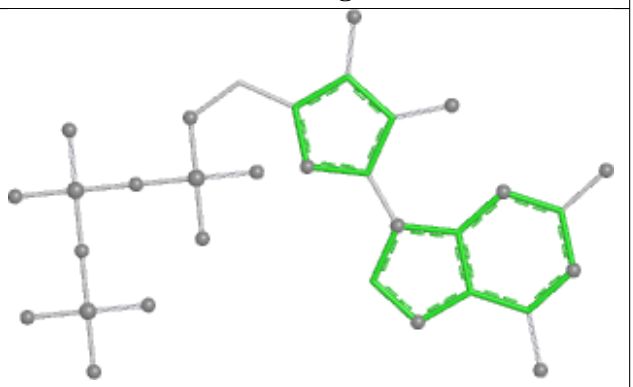
Bond lengths



Bond angles

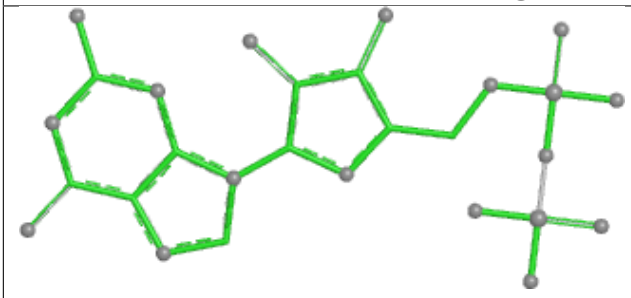


Torsions

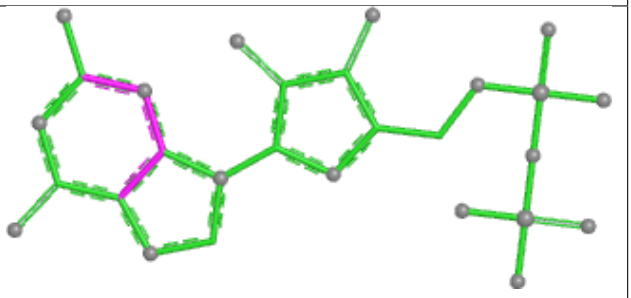


Rings

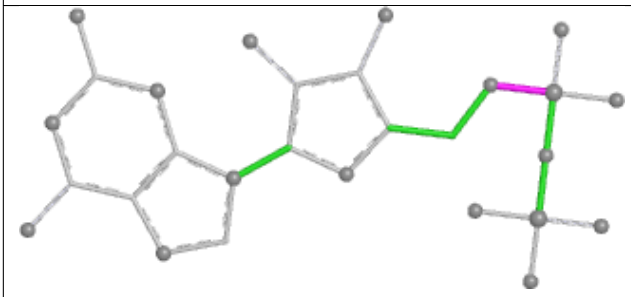
Ligand GDP Ao 501



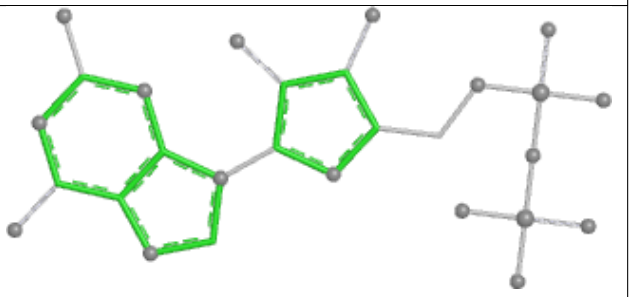
Bond lengths



Bond angles

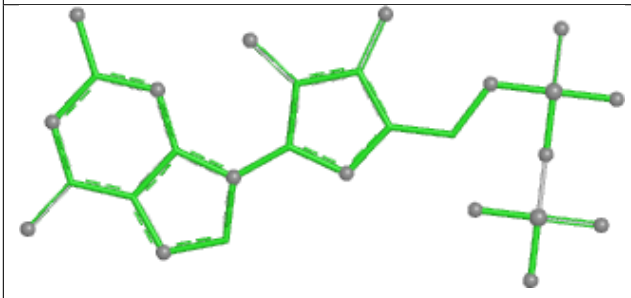


Torsions

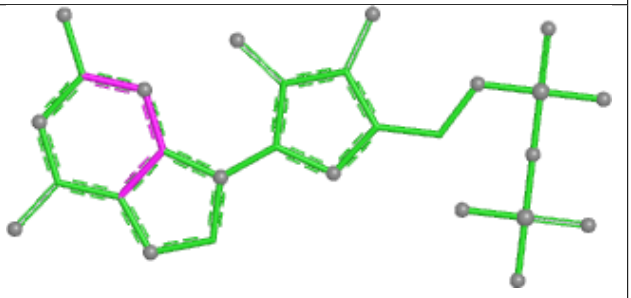


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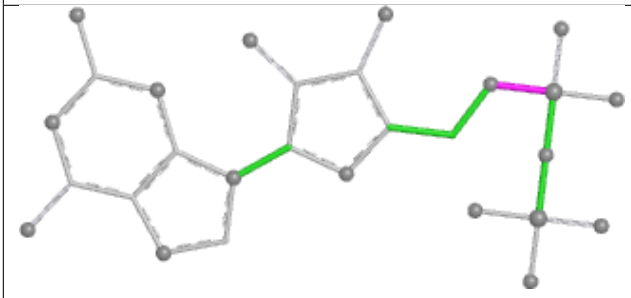
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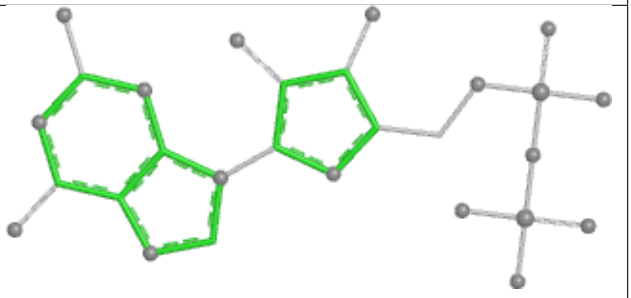
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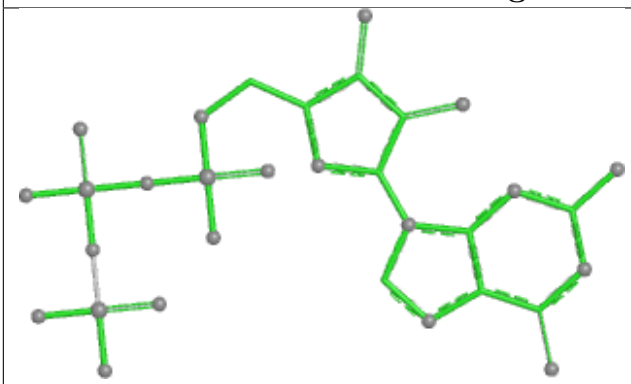


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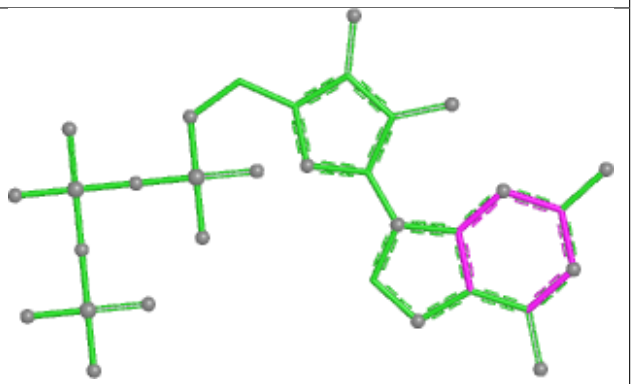


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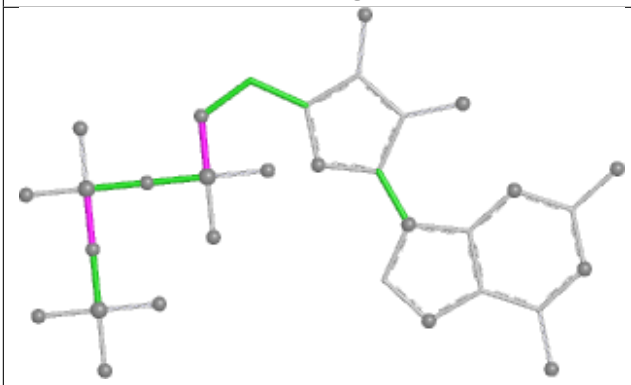
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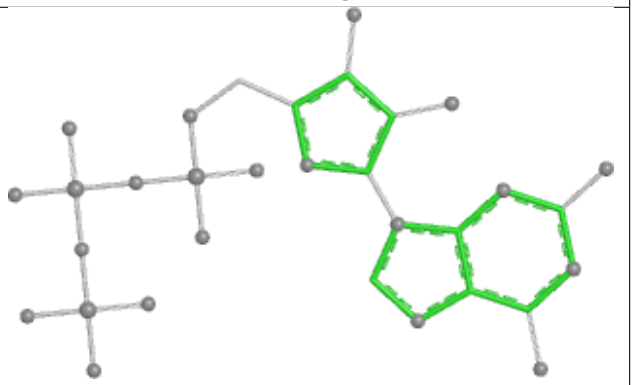
Bond lengths



Bond angles

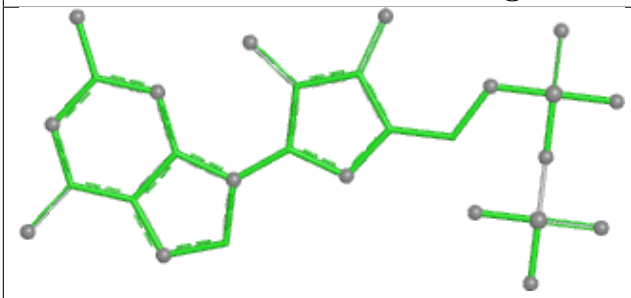


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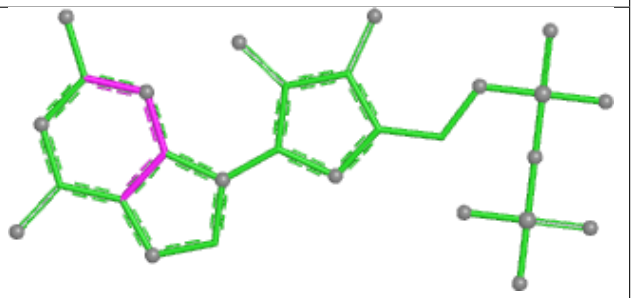


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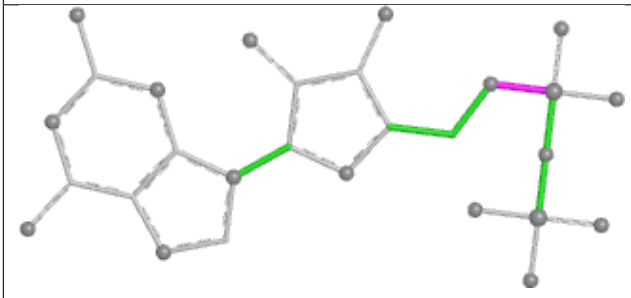
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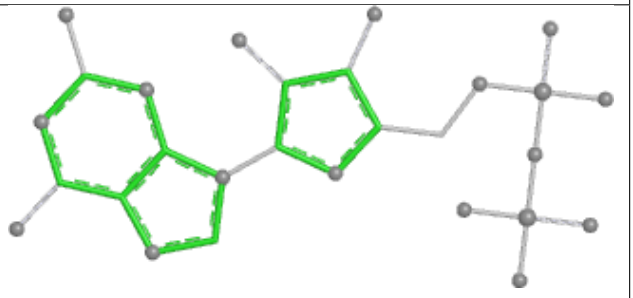
Bond lengths



Bond angles

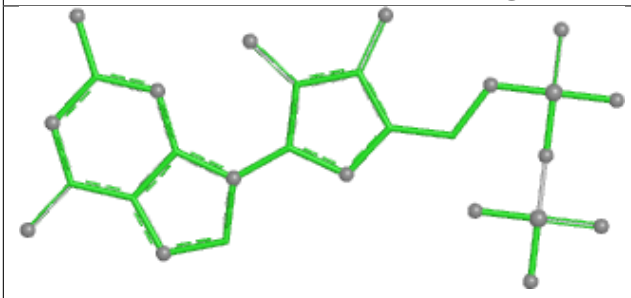


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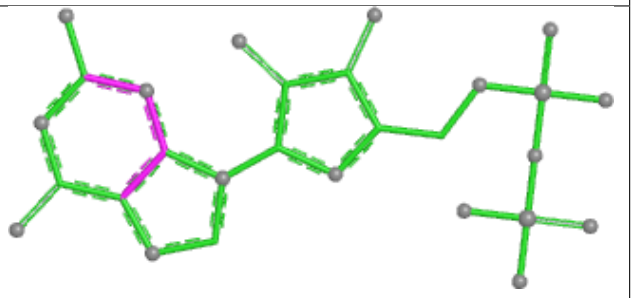


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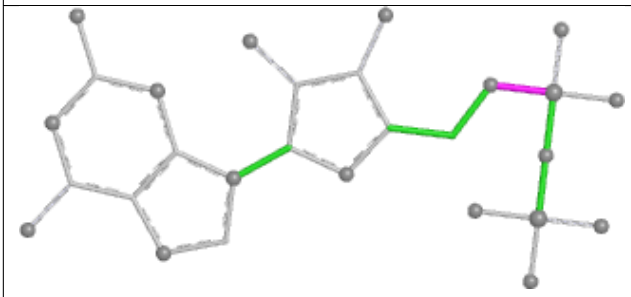
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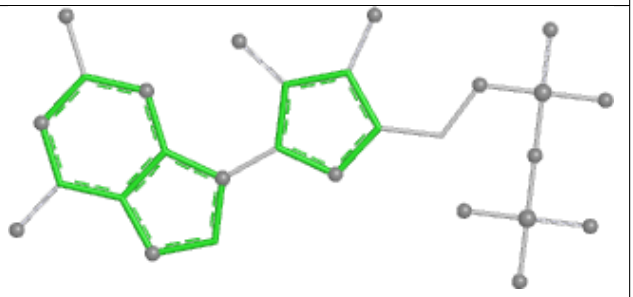
Bond lengths



Bond angles

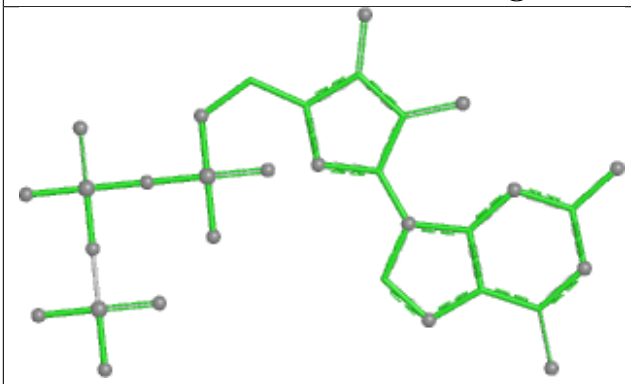


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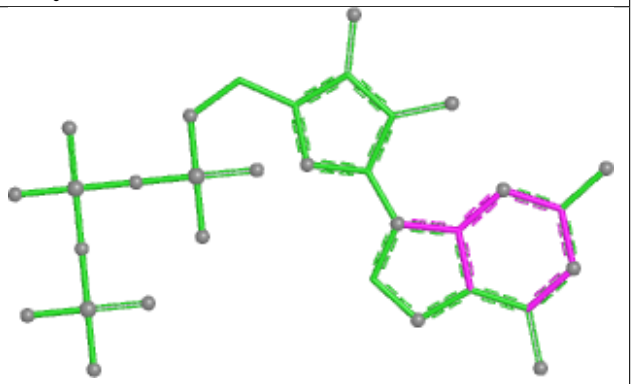


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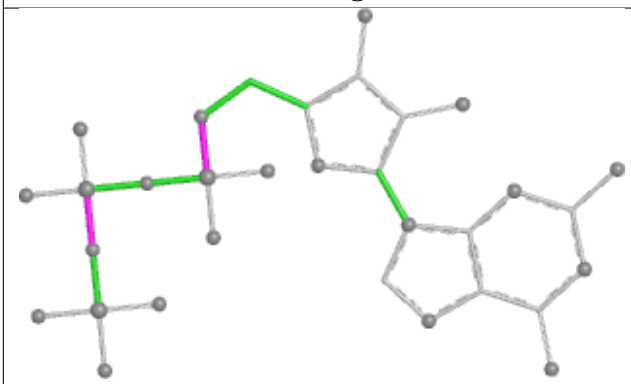
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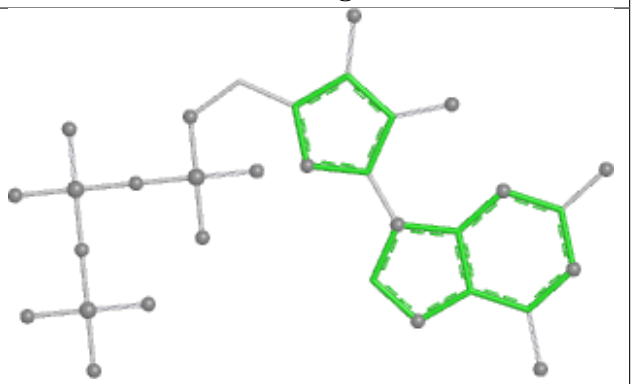
Bond lengths



Bond angles

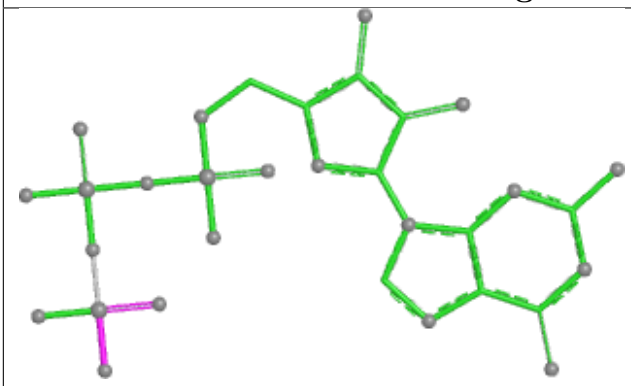


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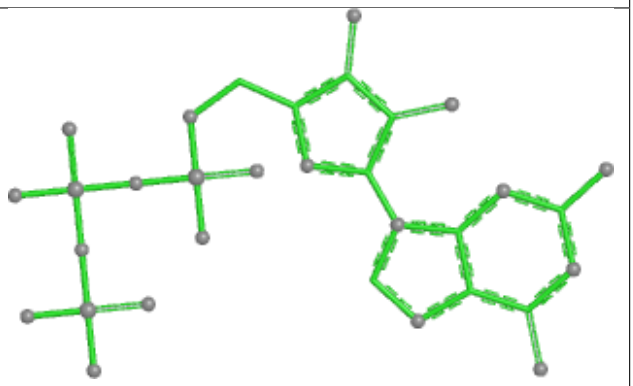


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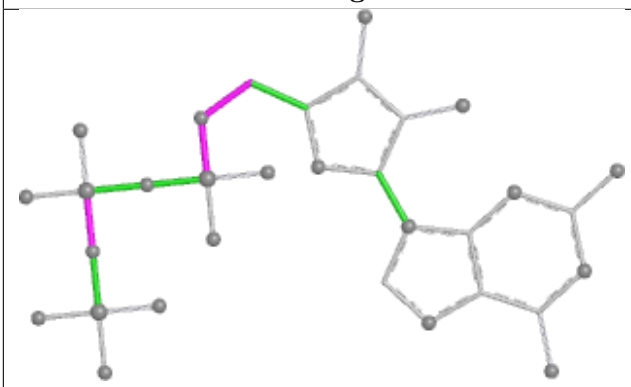
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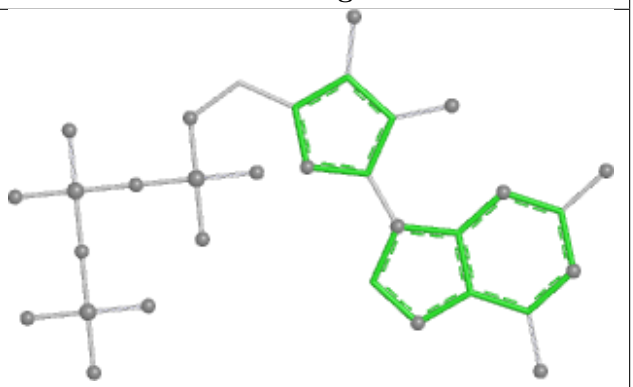
Bond lengths



Bond angles

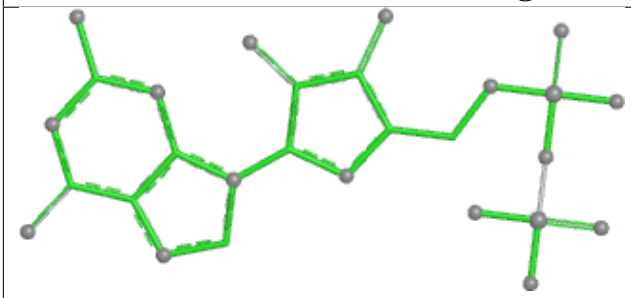


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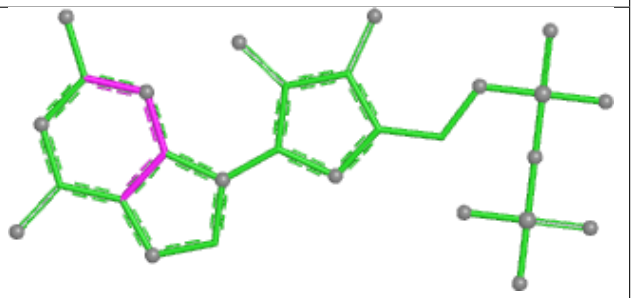


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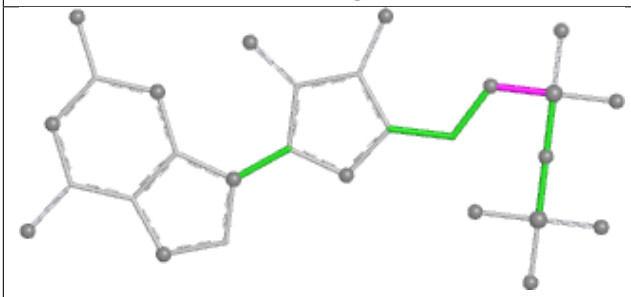
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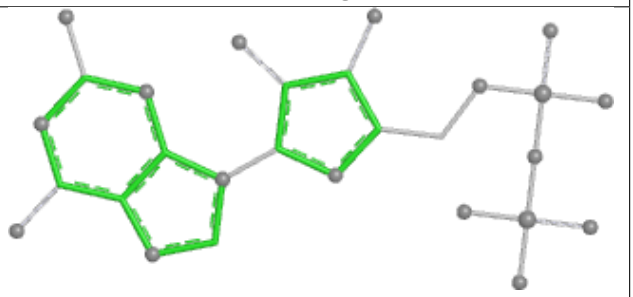
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Bond angles

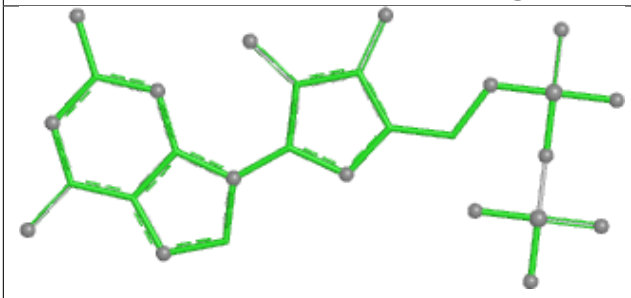


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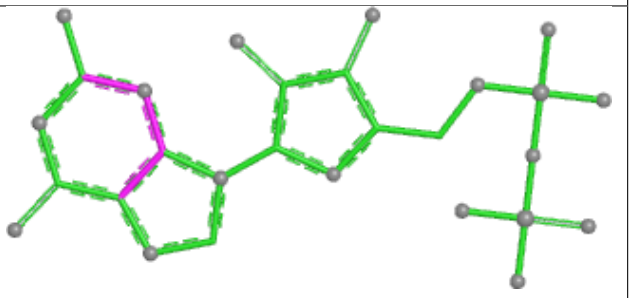


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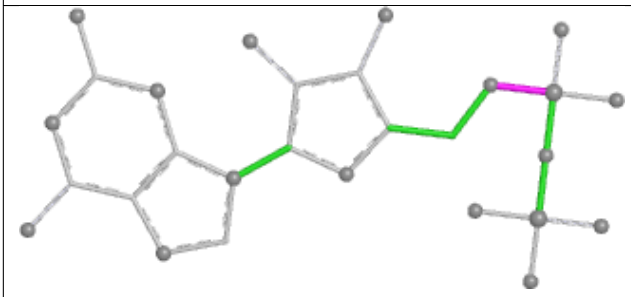
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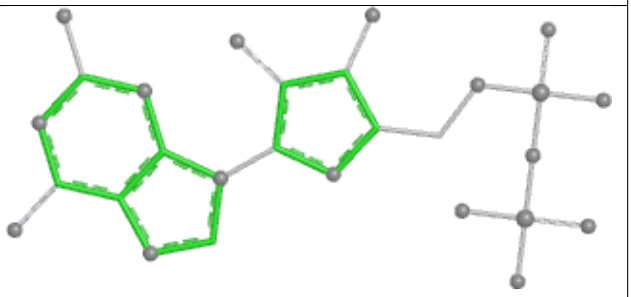
Bond lengths



Bond angles

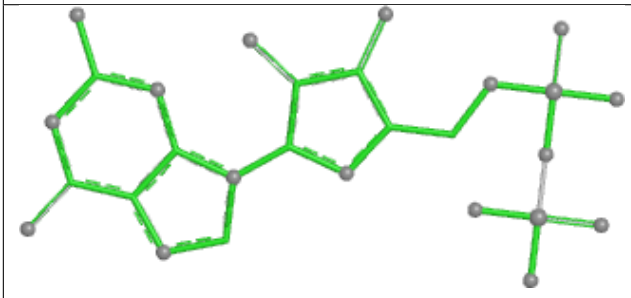


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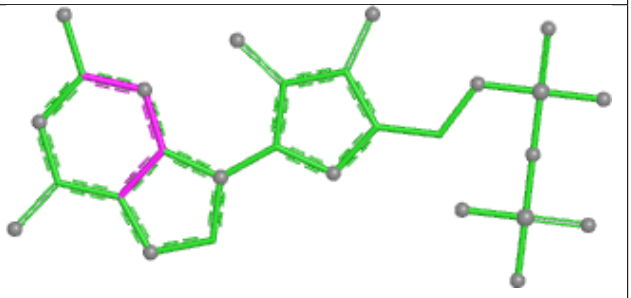


Rings

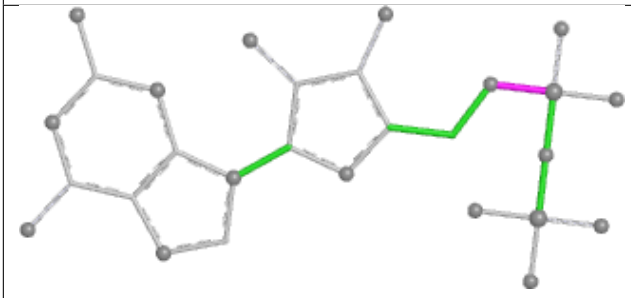
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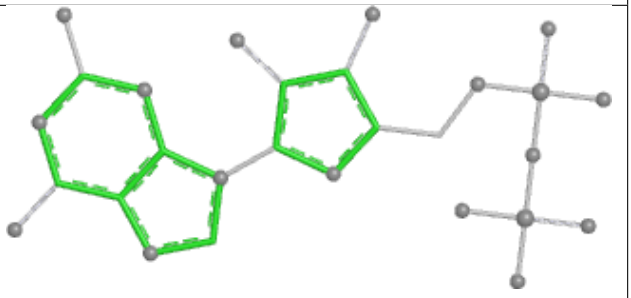
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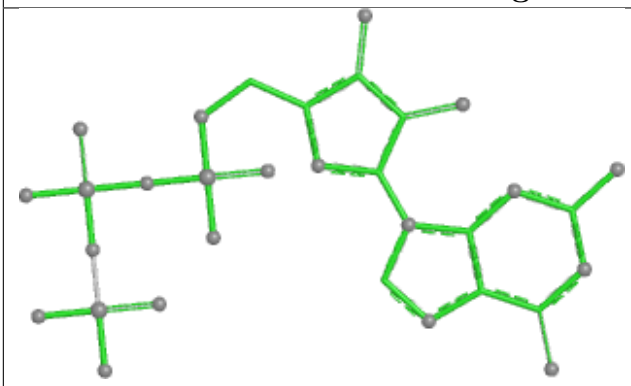


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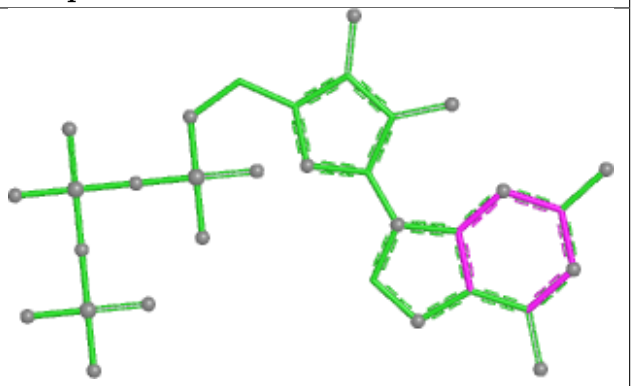


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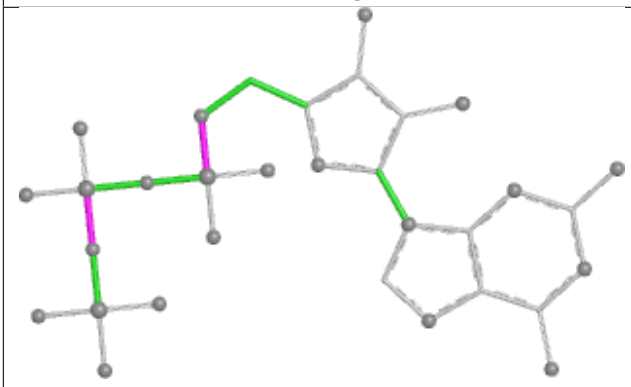
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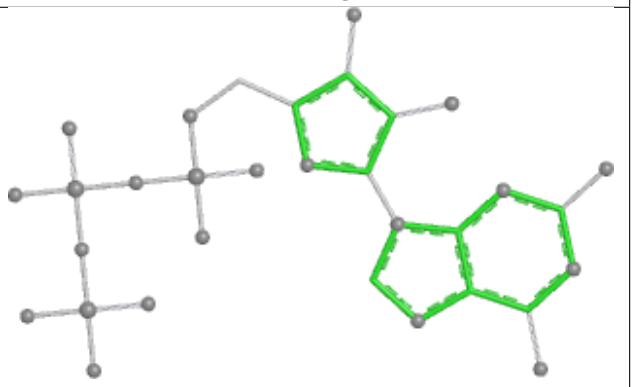
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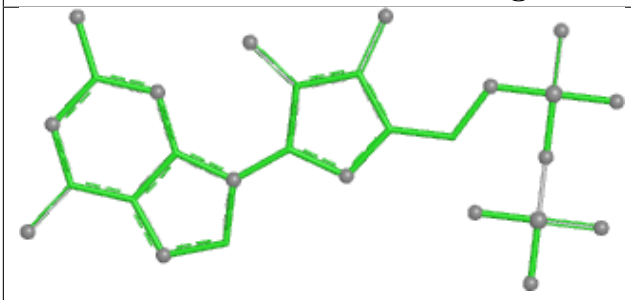


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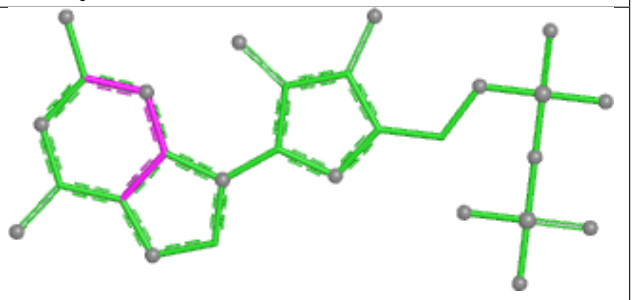


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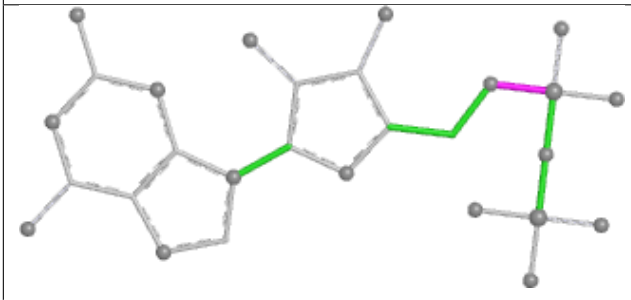
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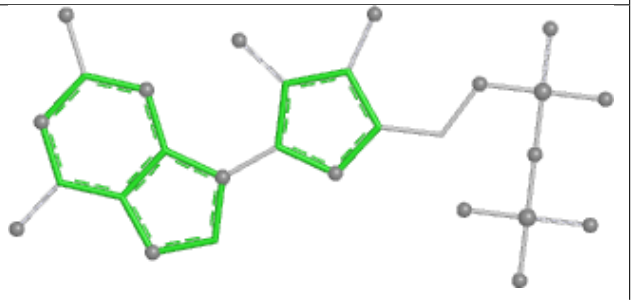
Bond lengths



Bond angles

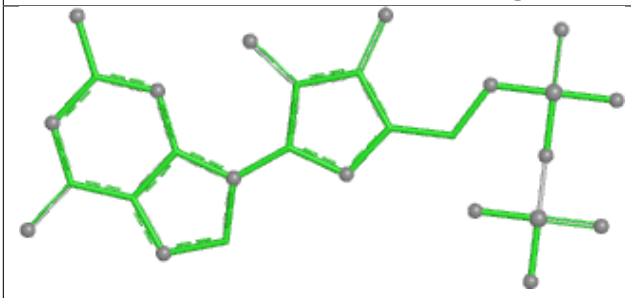


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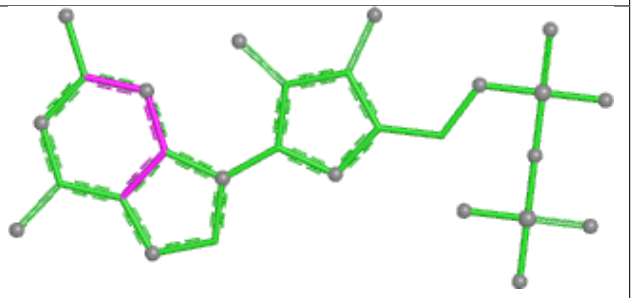


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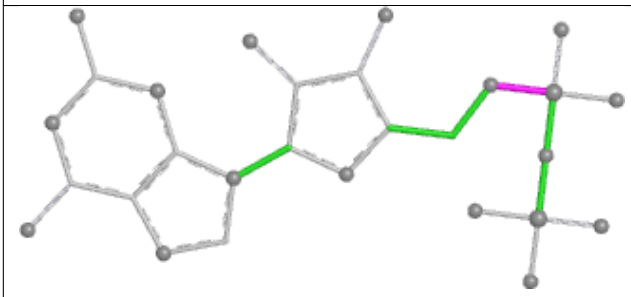
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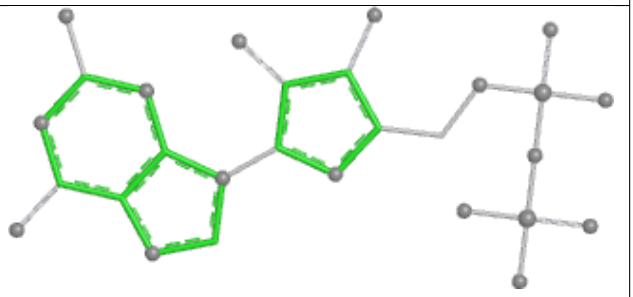
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Bond angles

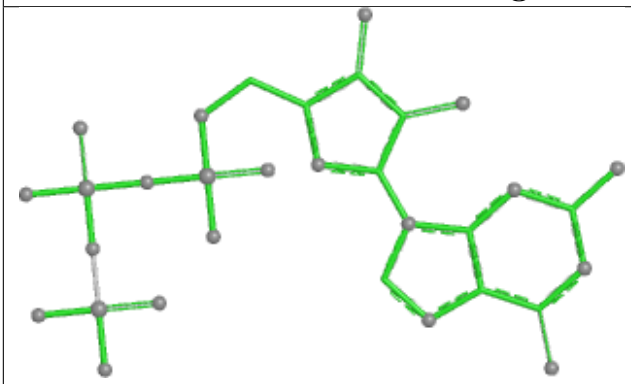


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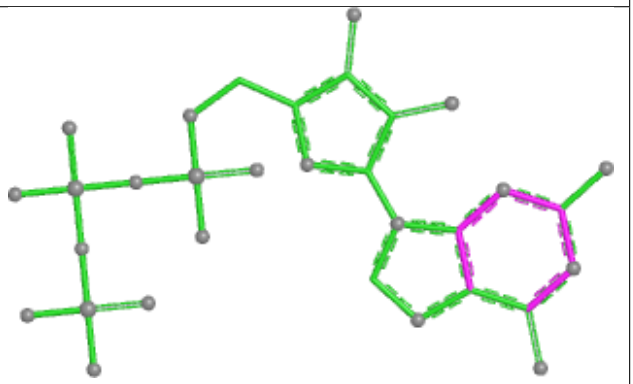


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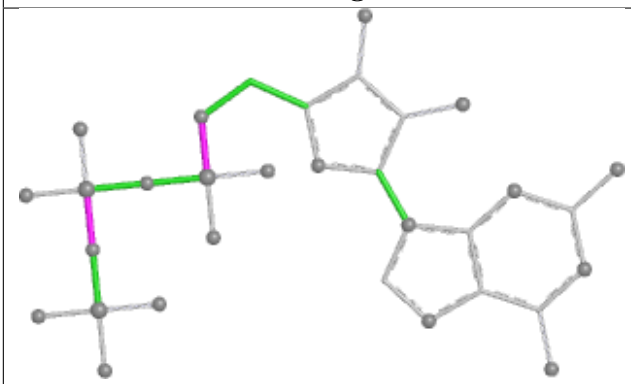
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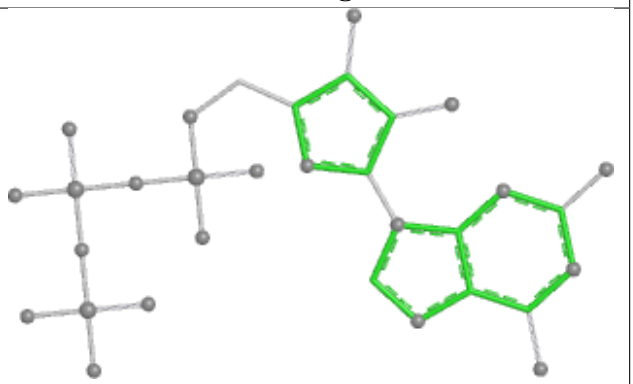
Bond lengths



Bond angles

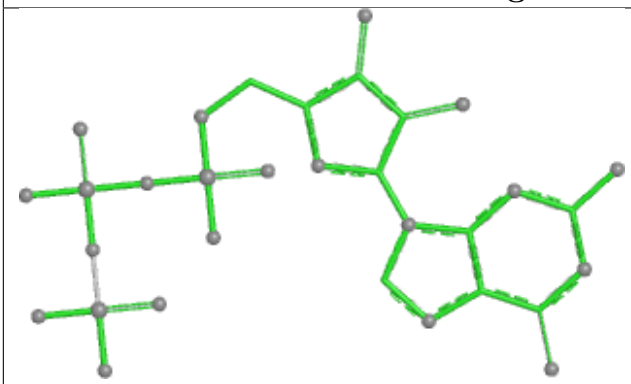


Torsions

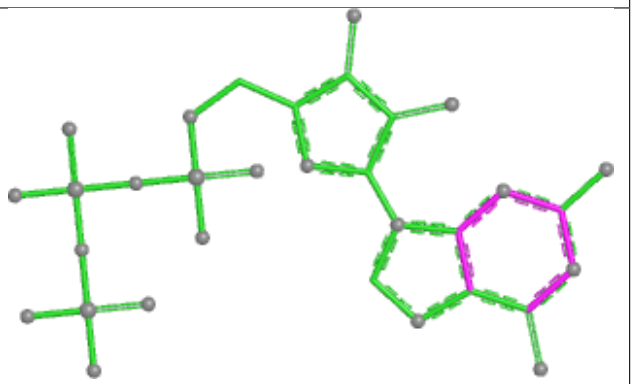


Rings

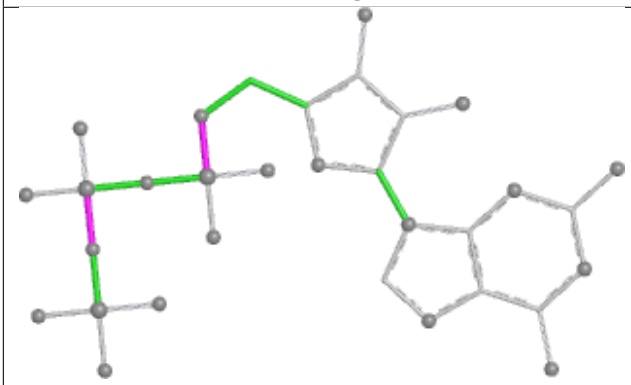
Ligand GTP HK 501



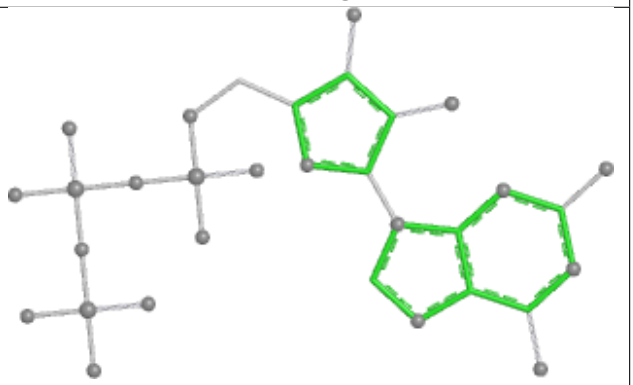
Bond lengths



Bond angles

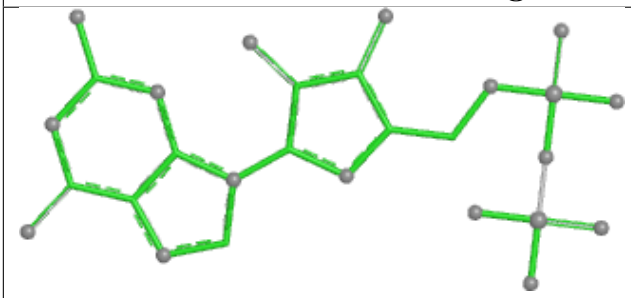


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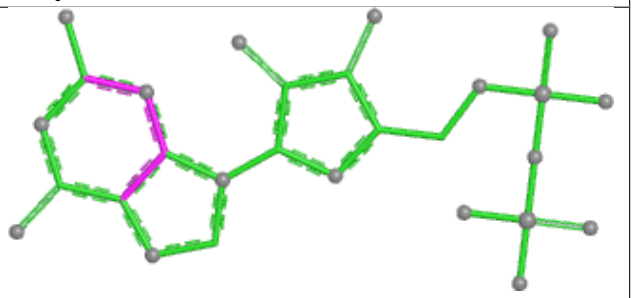


Rings

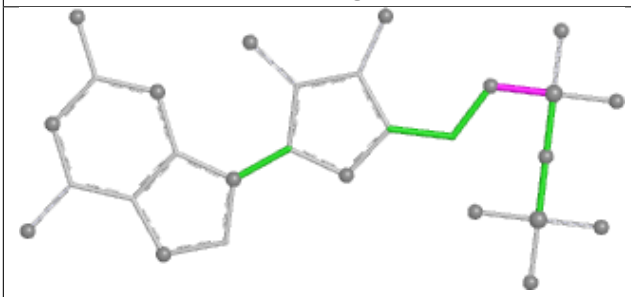
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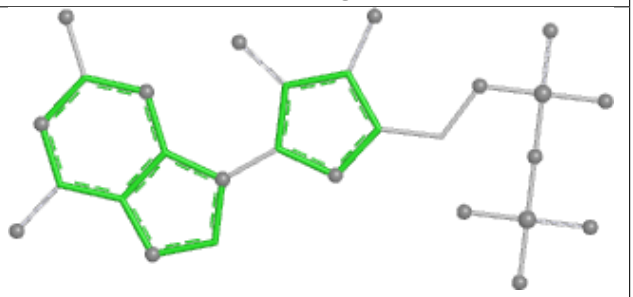
Bond lengths



Bond angles

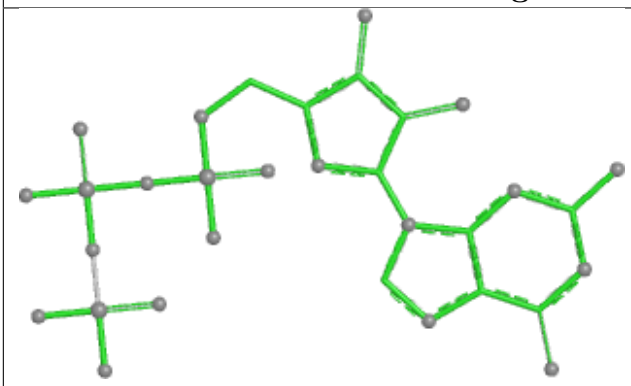


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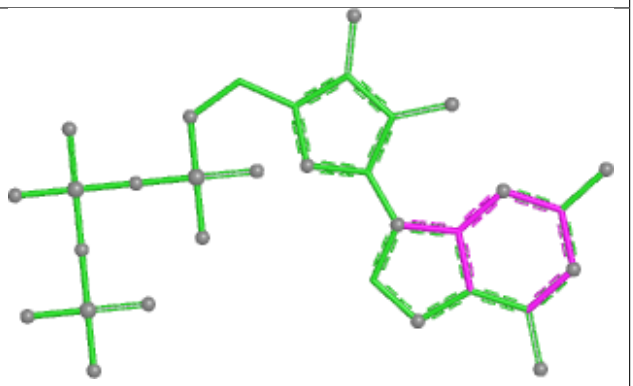


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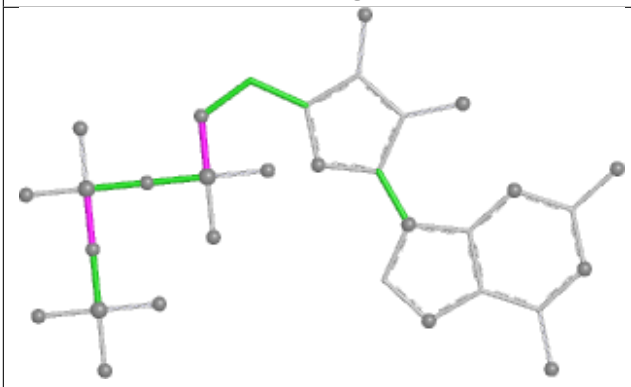
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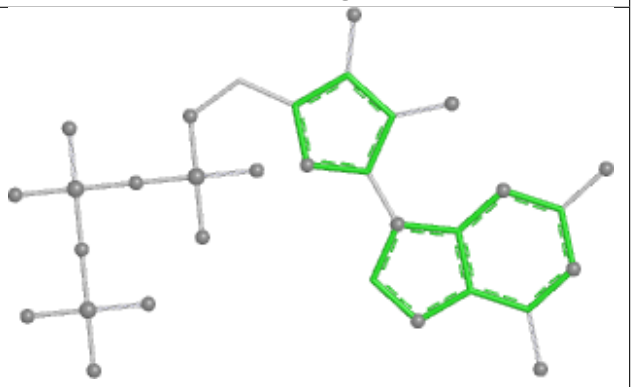
Bond lengths



Bond angles

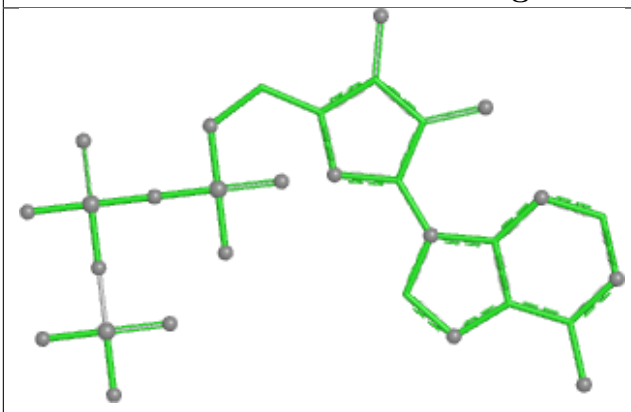


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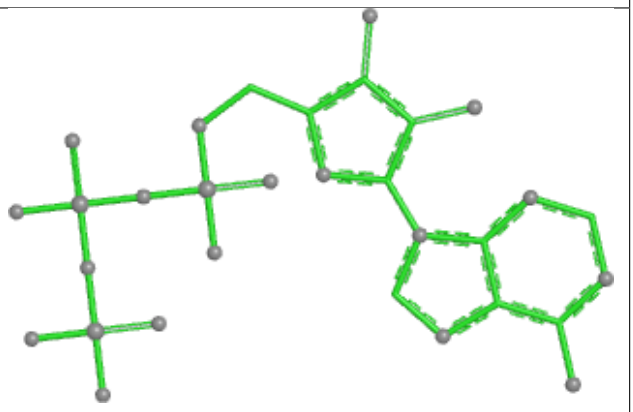


Rings

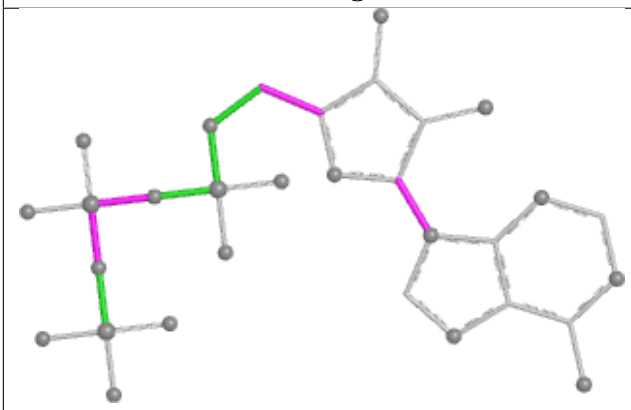
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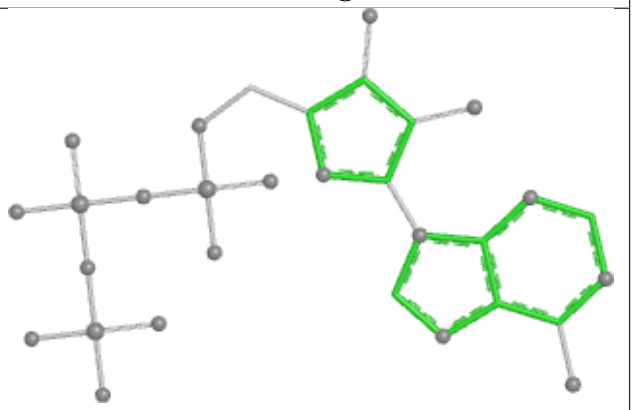
Bond lengths



Bond angles

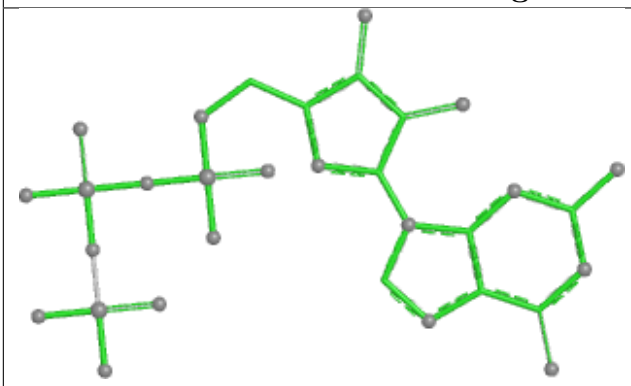


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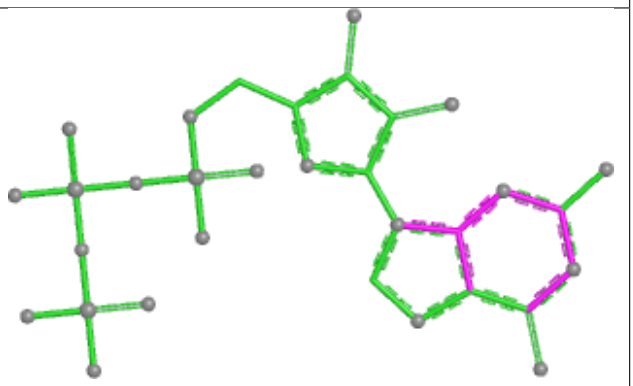


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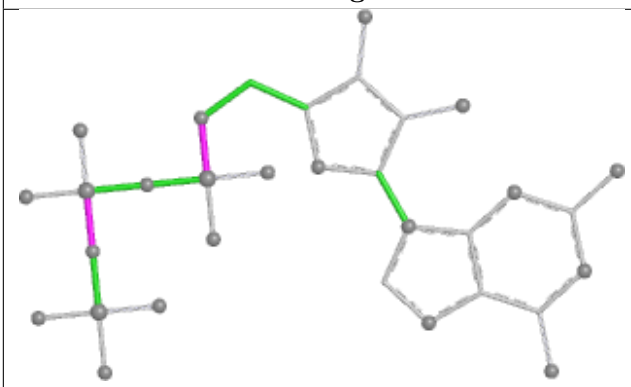
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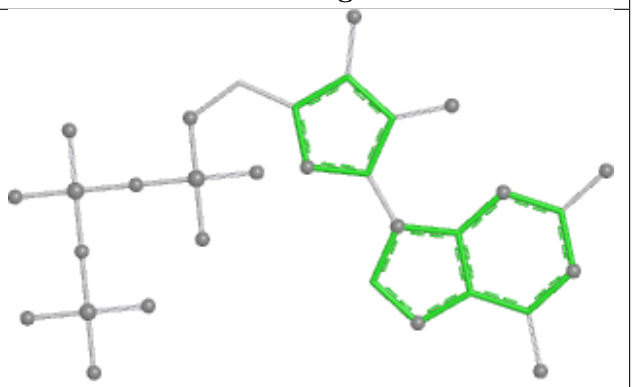
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Bond angles

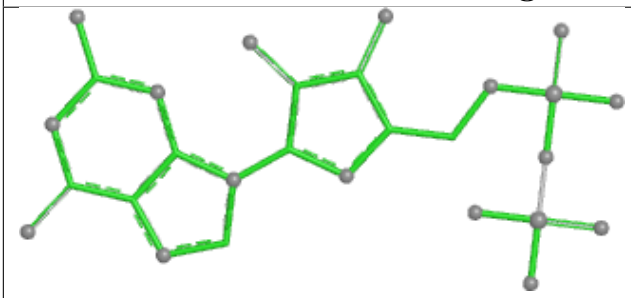


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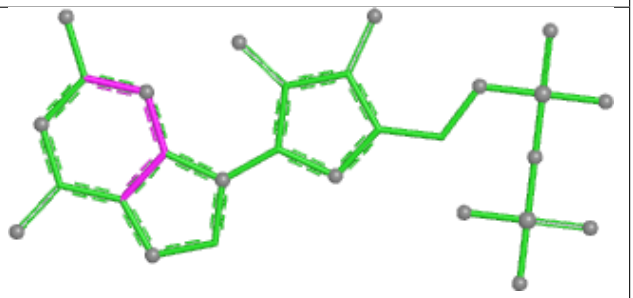


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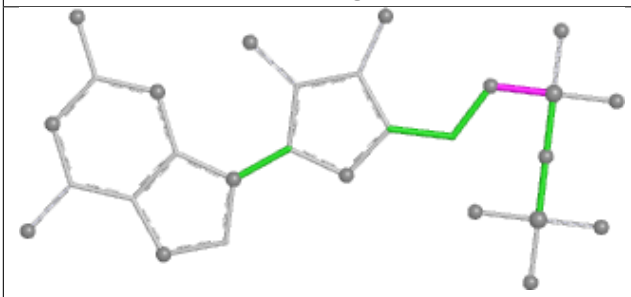
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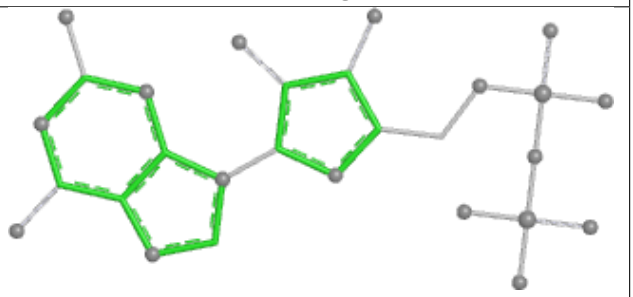
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Bond angles

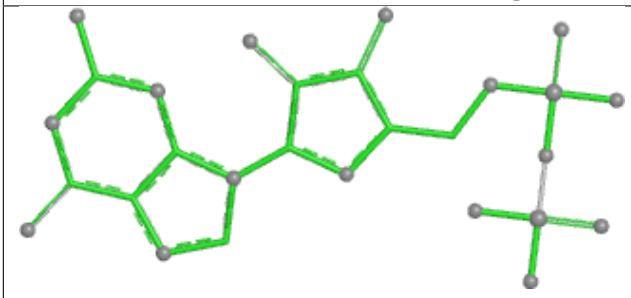


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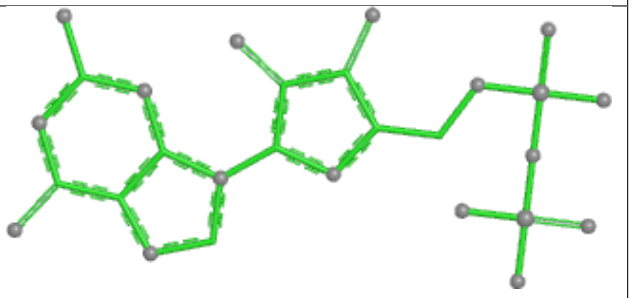


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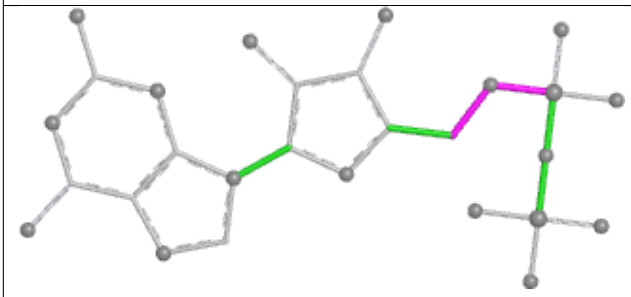
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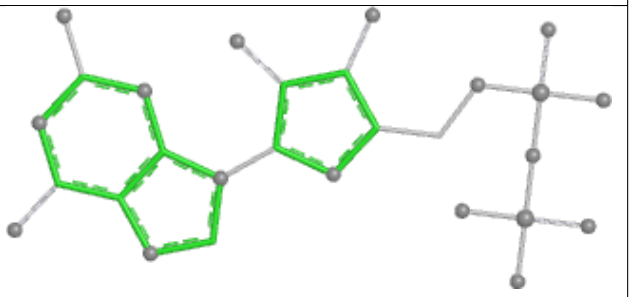
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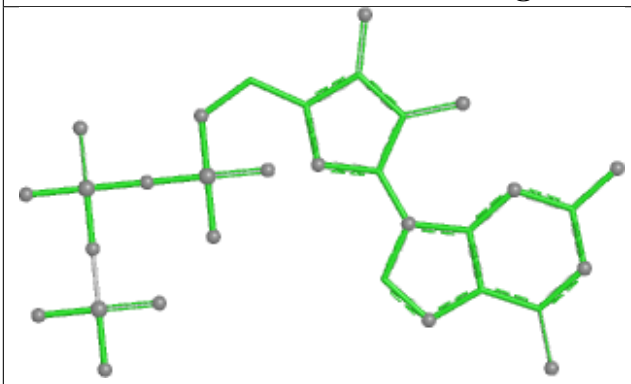


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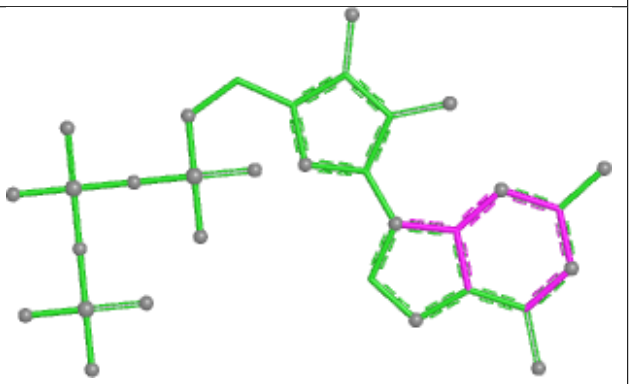


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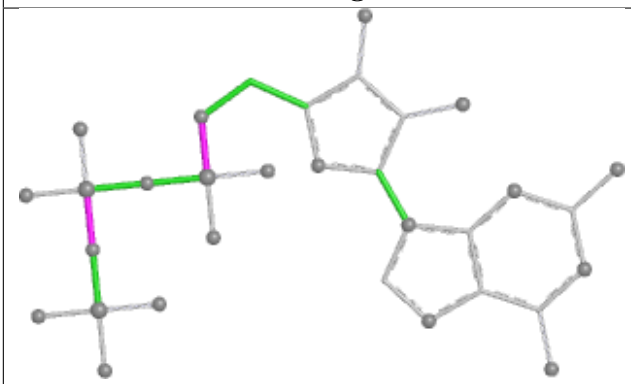
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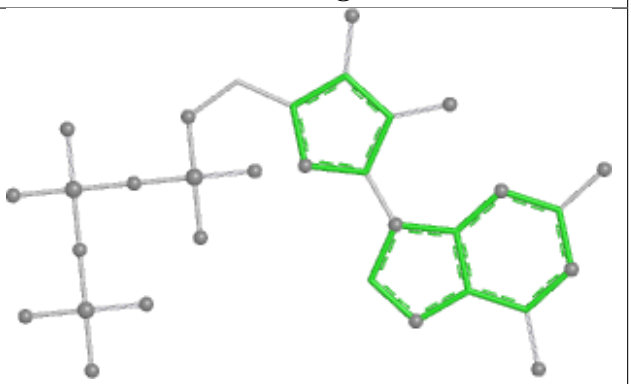
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Bond angles

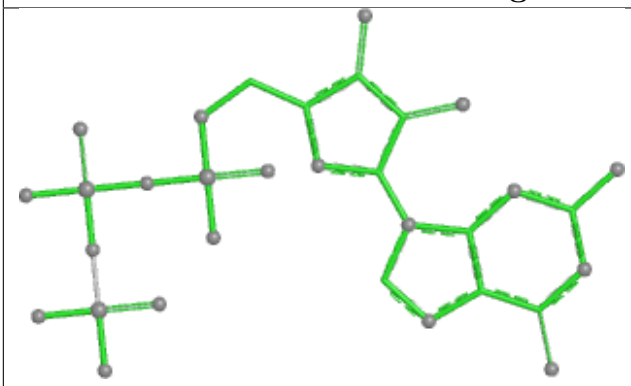


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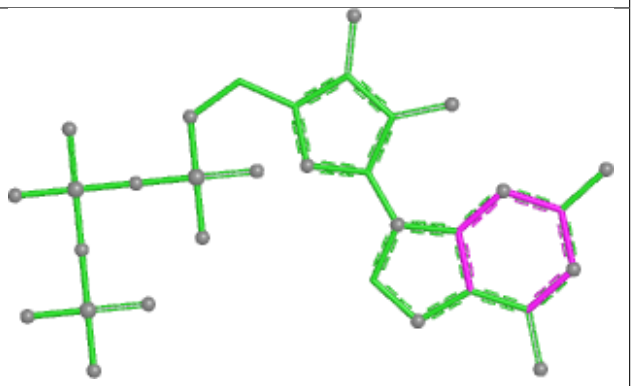


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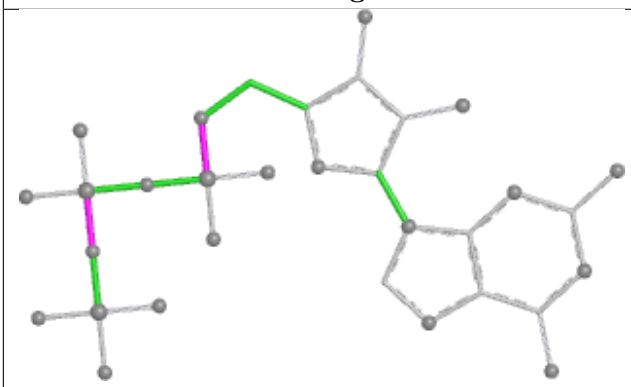
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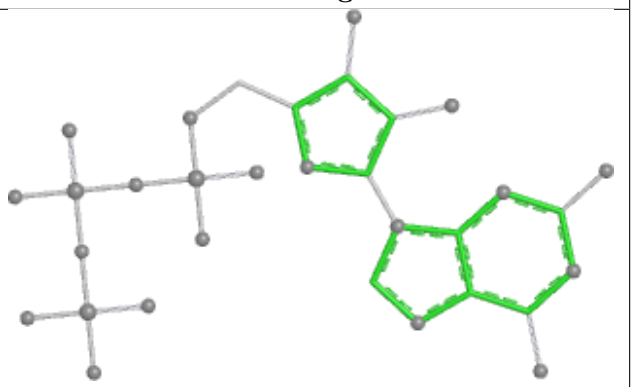
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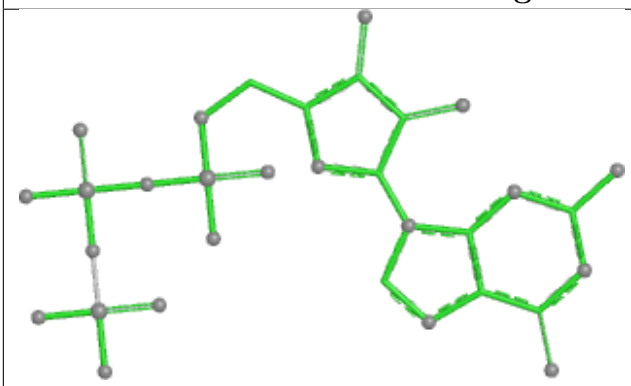


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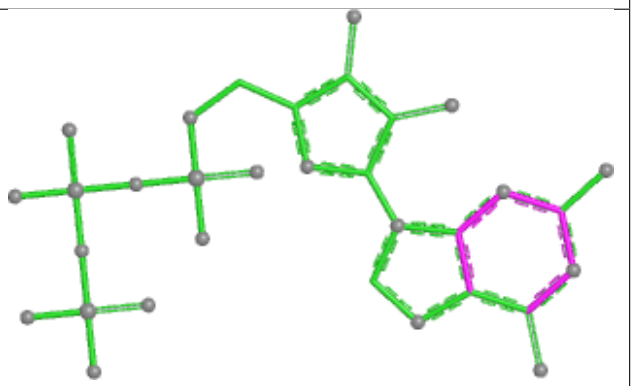


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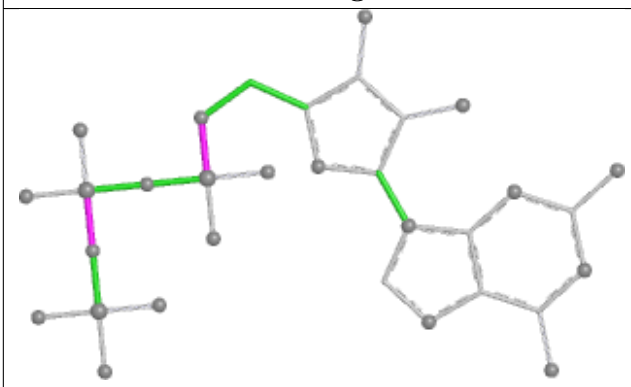
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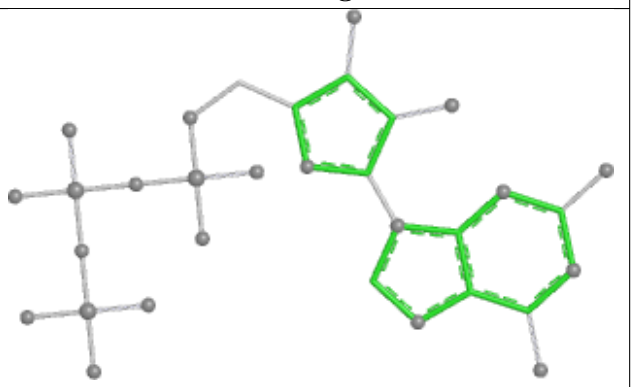
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Bond angles

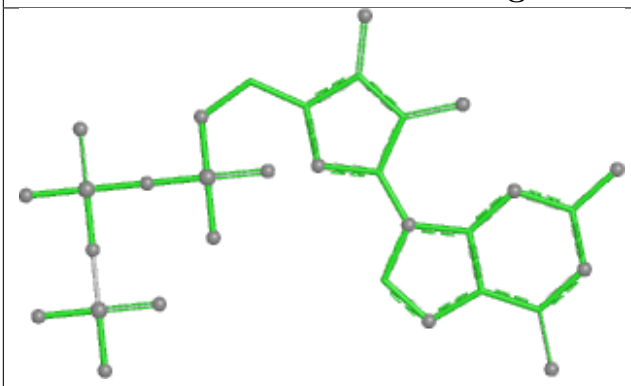


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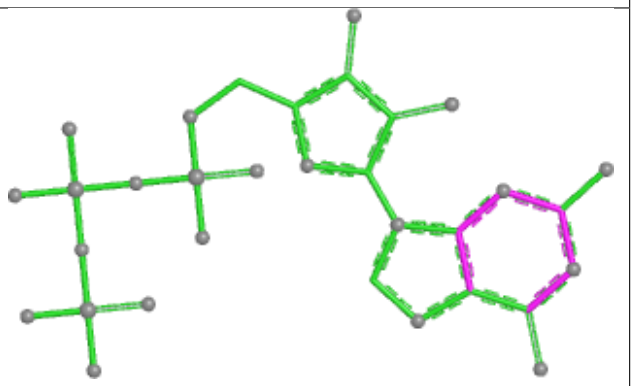


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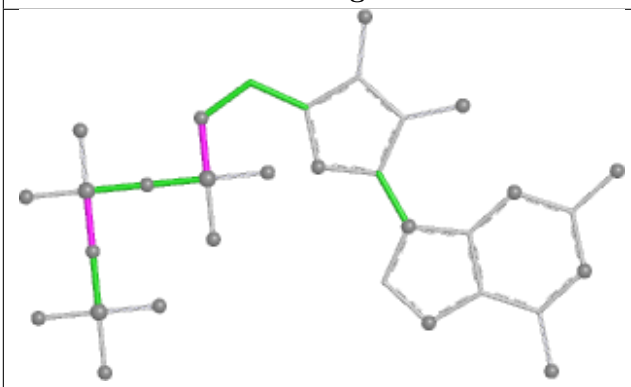
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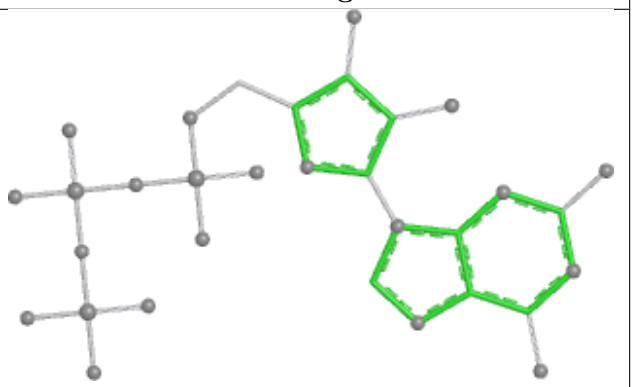
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Bond angles

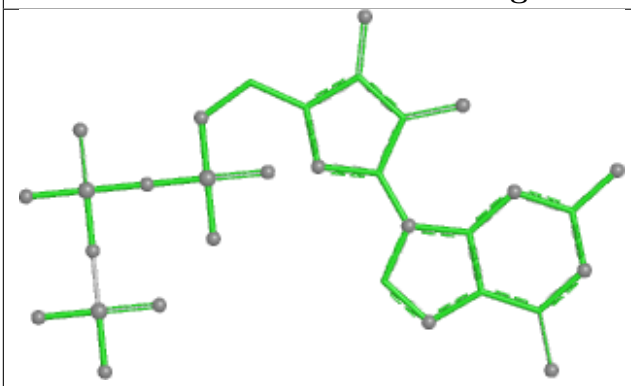


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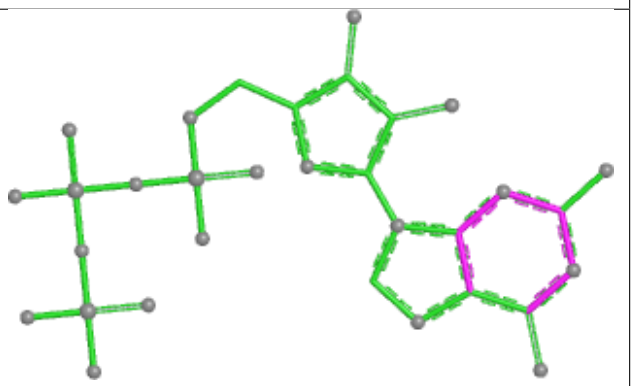


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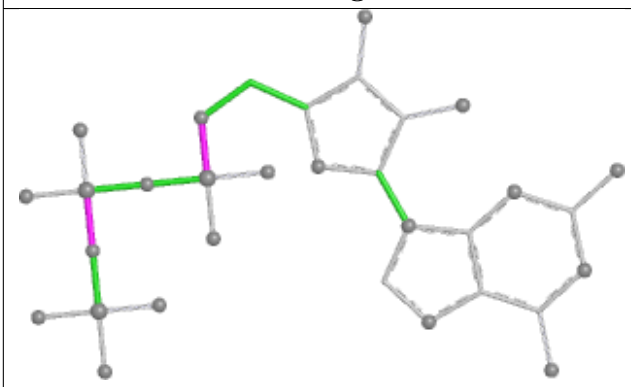
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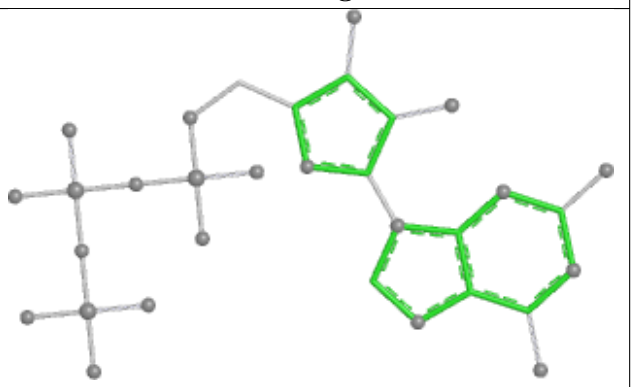
Bond lengths



Bond angles

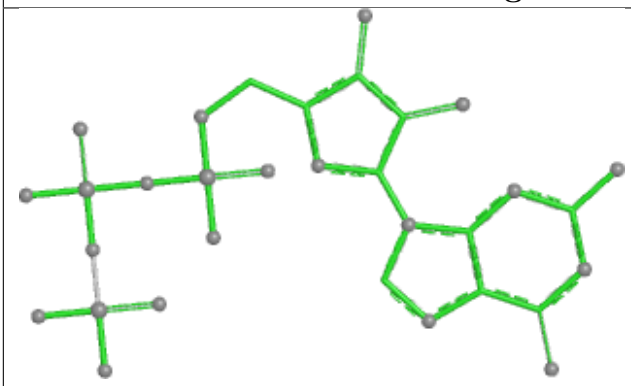


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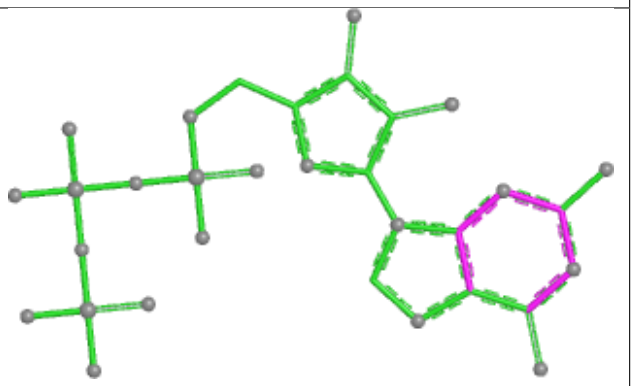


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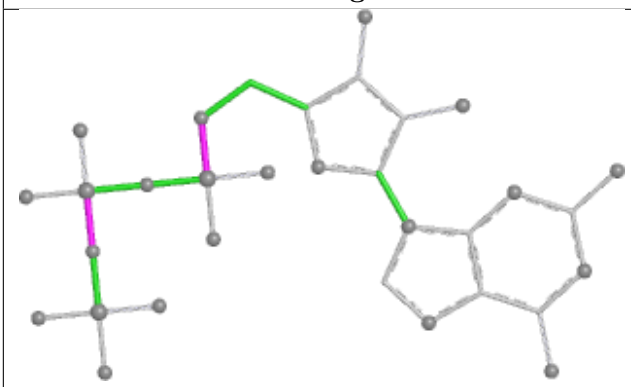
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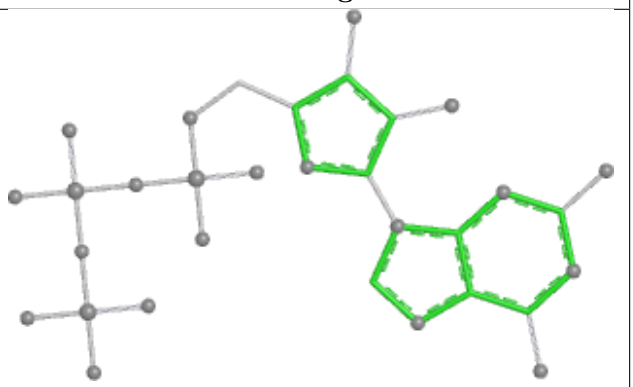
Bond lengths



Bond angles

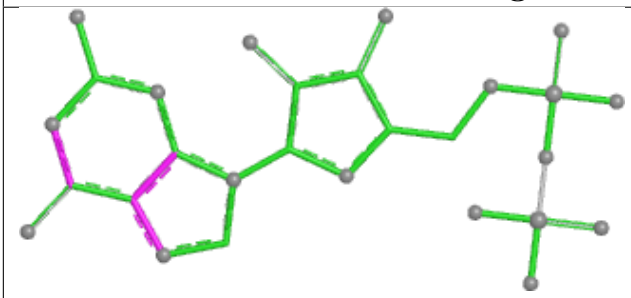


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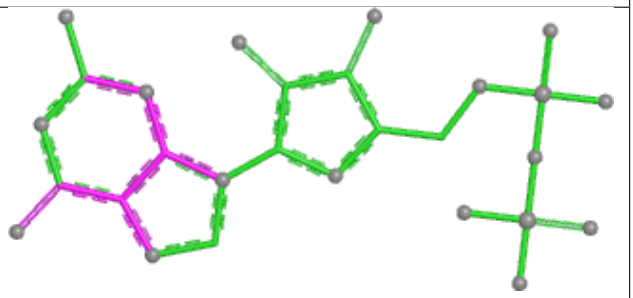


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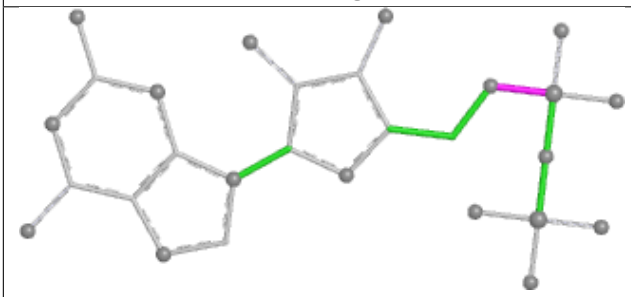
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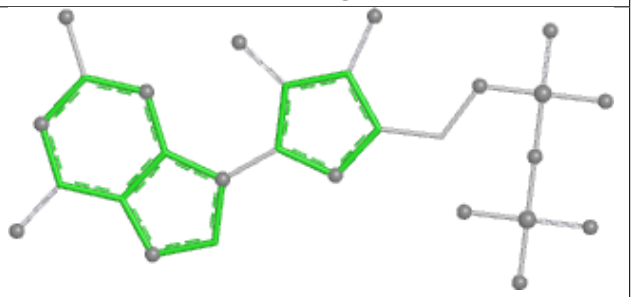
Bond lengths



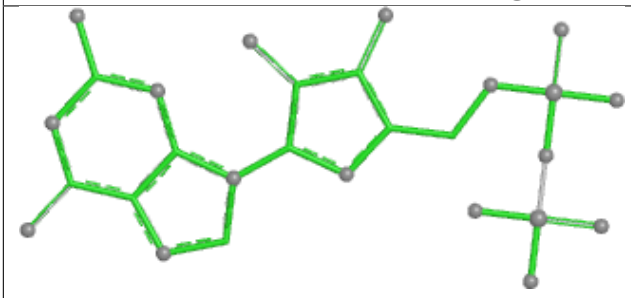
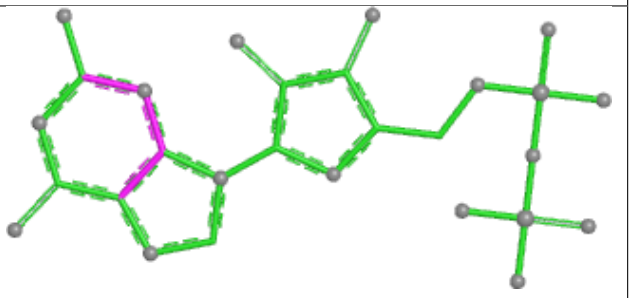
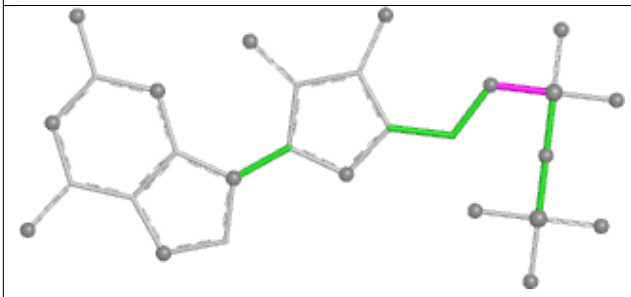
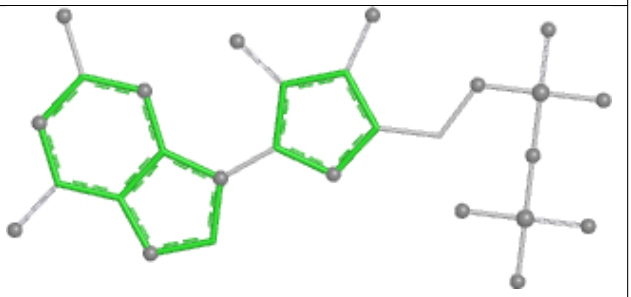
Bond angles

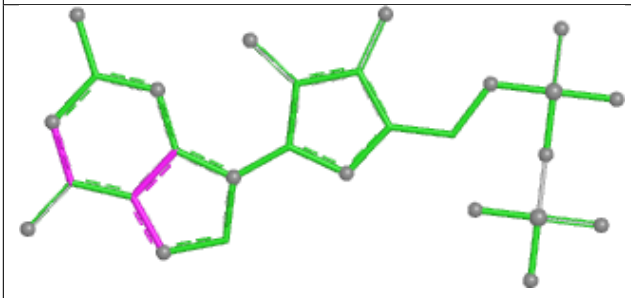
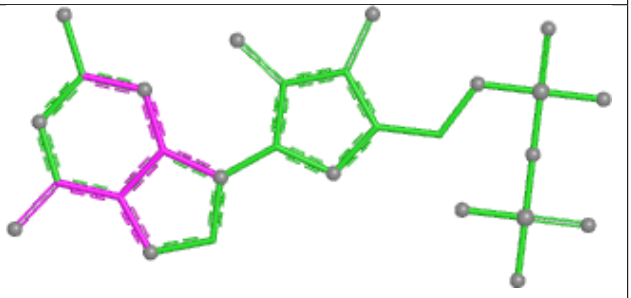
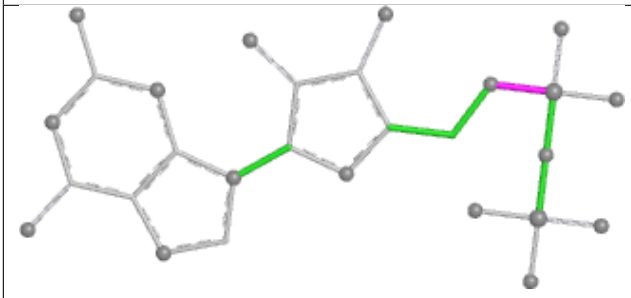
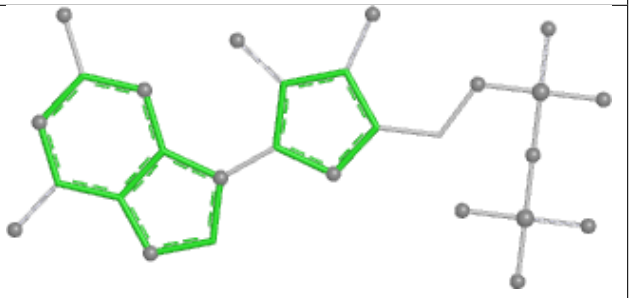


Torsions

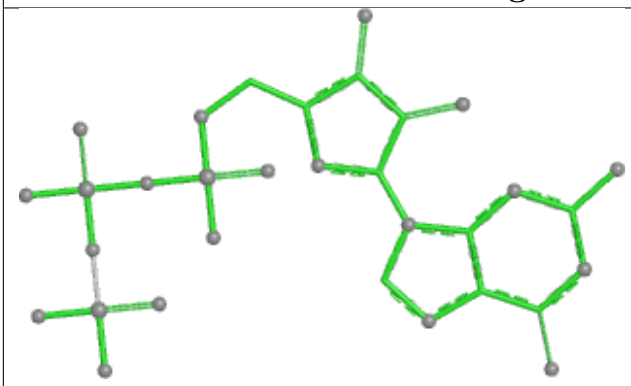


Rings

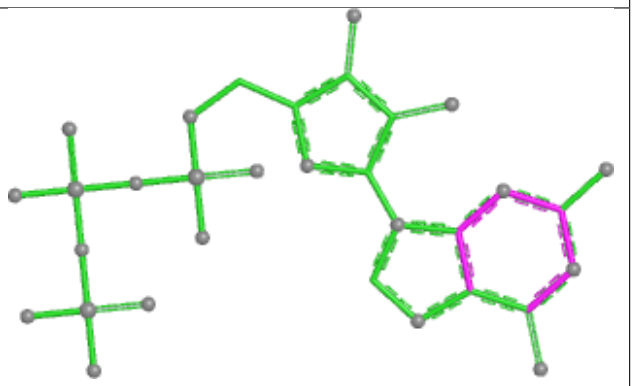
Ligand GDP RB 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP IP 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

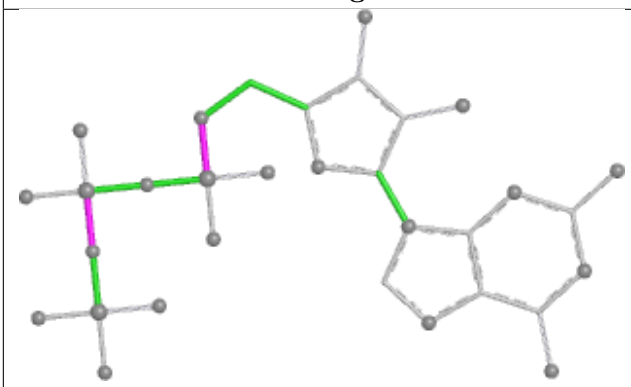
Ligand GTP VY 501



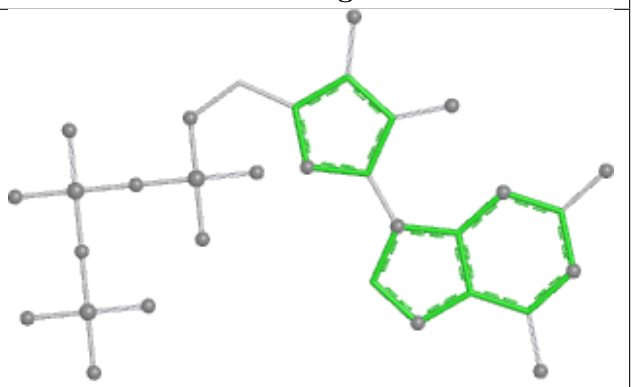
Bond lengths



Bond angles

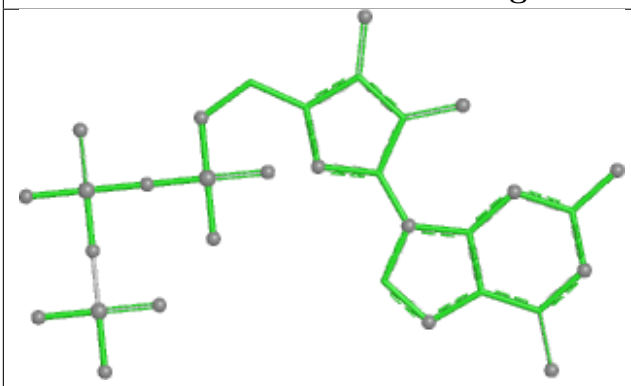


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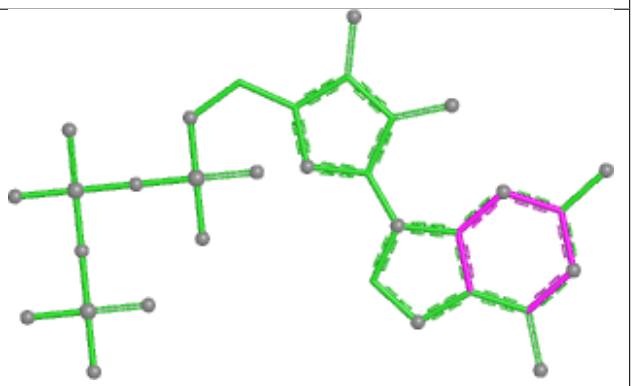


Rings

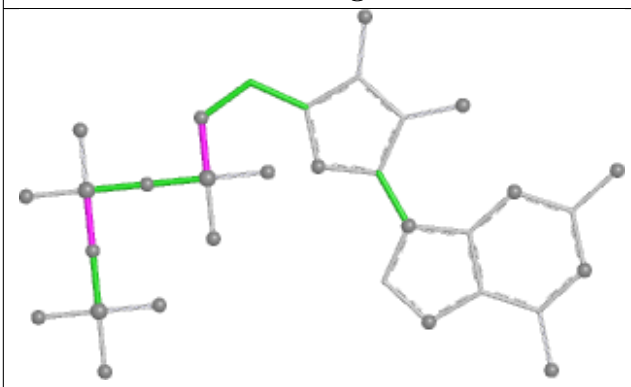
Ligand GTP PU 602



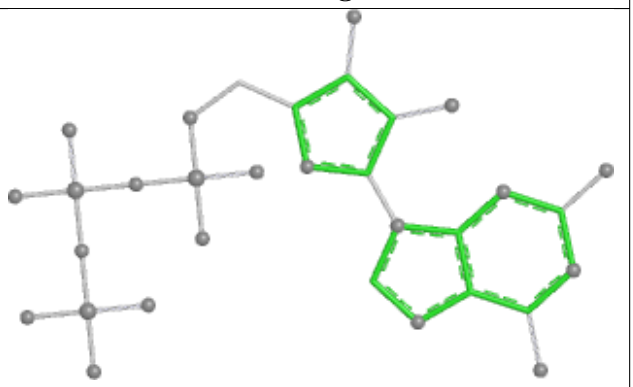
Bond lengths



Bond angles

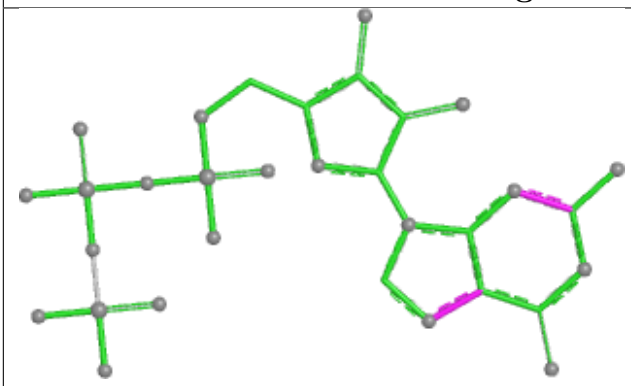


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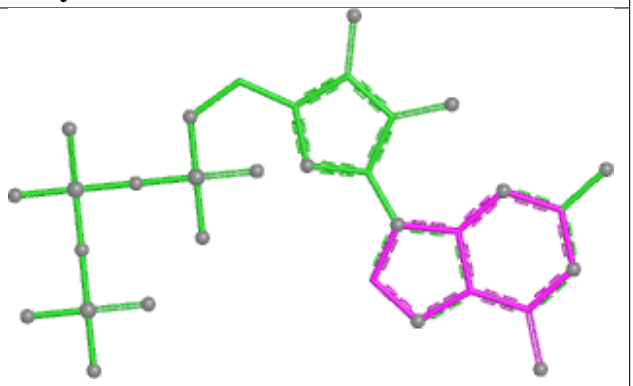


Rings

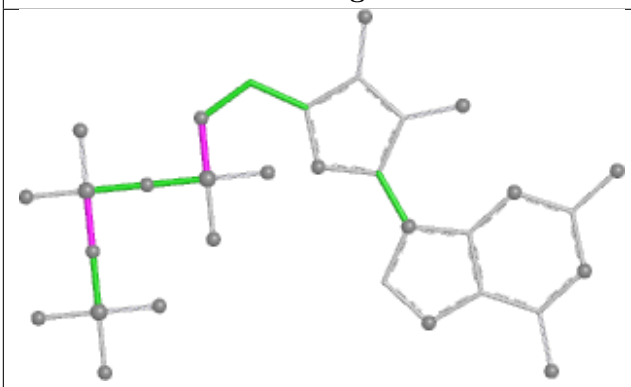
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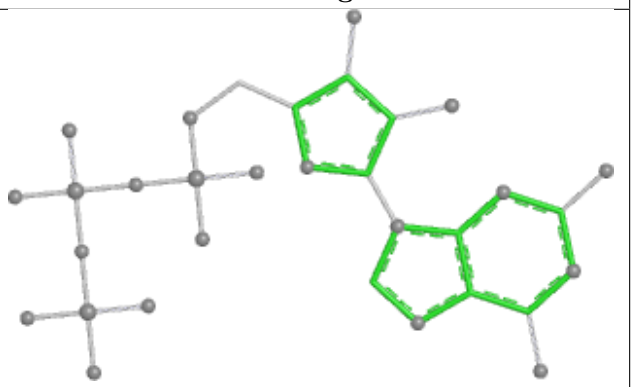
Bond lengths



Bond angles

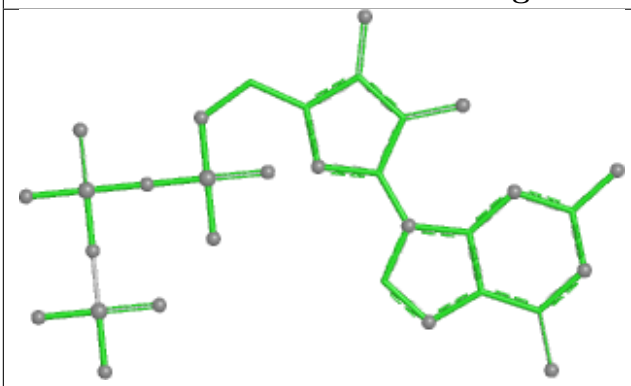


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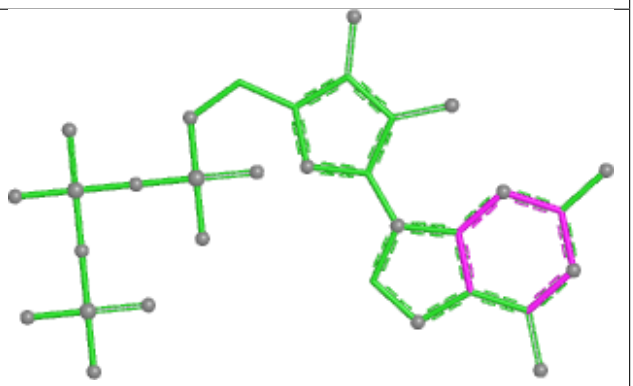


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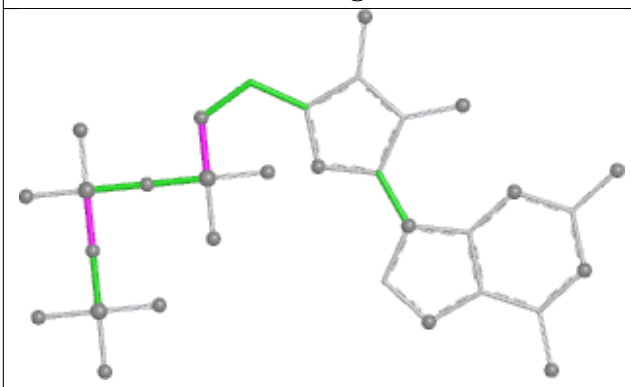
Ligand GTP SO 501



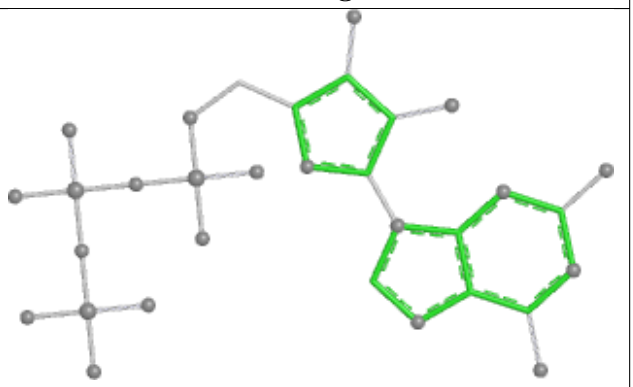
Bond lengths



Bond angles

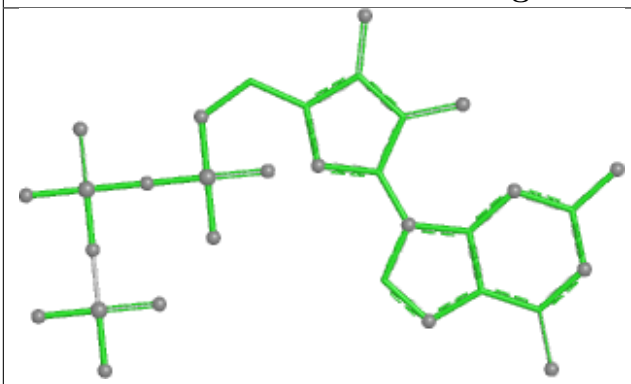


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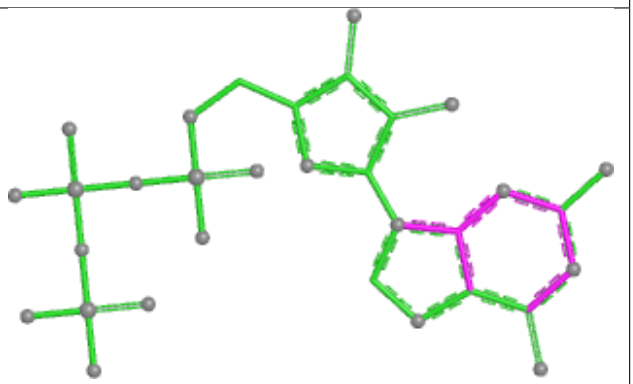


Rings

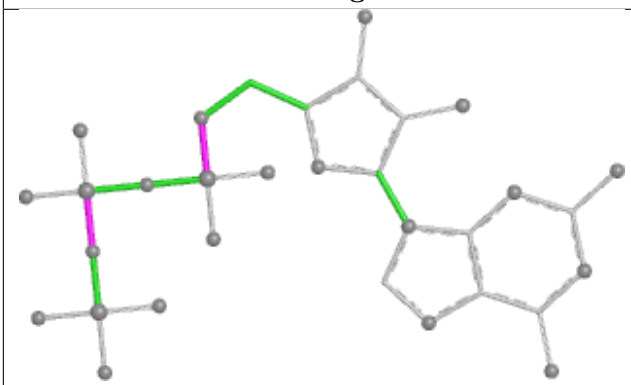
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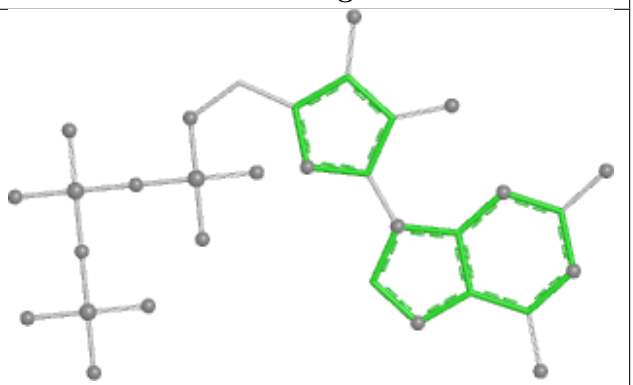
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Bond angles

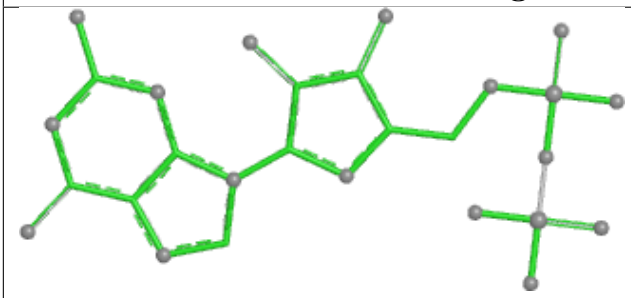


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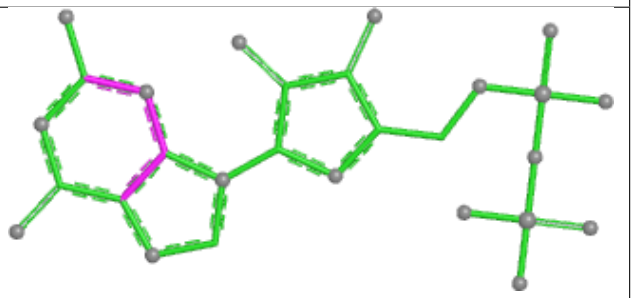


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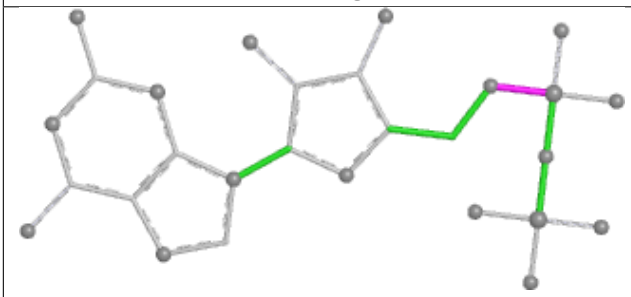
Ligand GDP RF 501



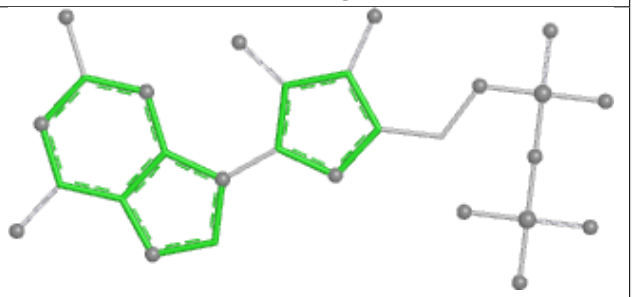
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Bond angles

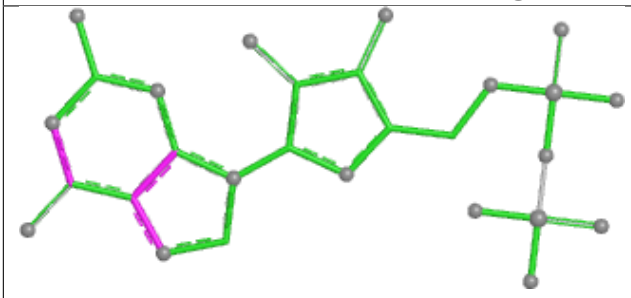


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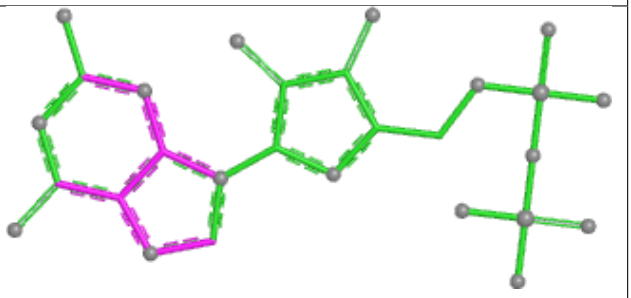


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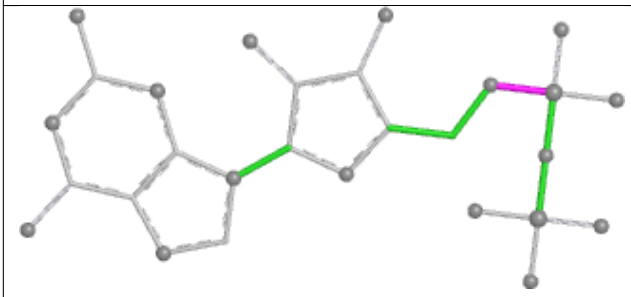
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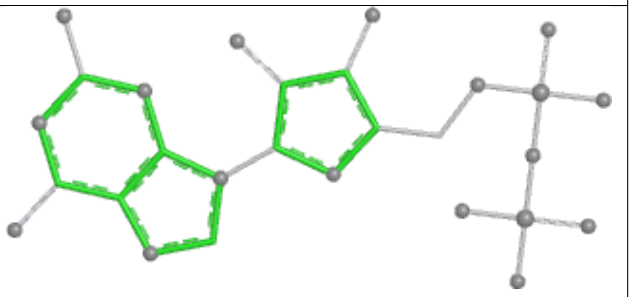
Bond lengths



Bond angles

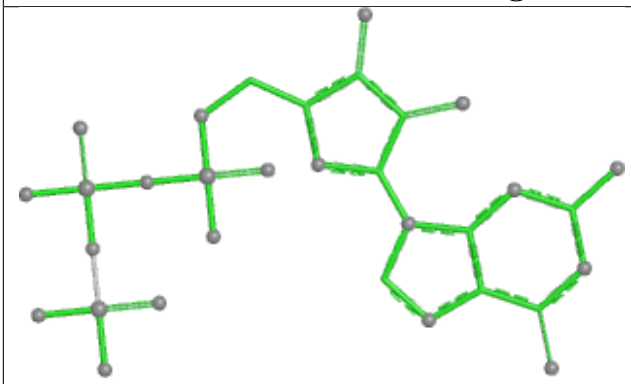


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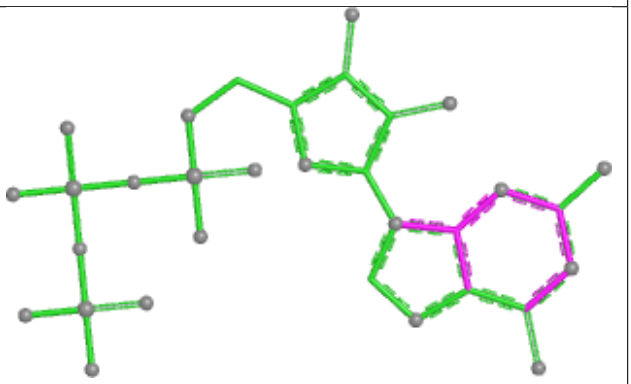


Rings

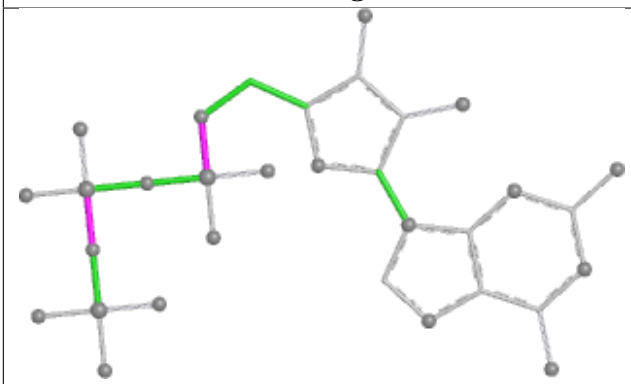
Ligand GTP MZ 602



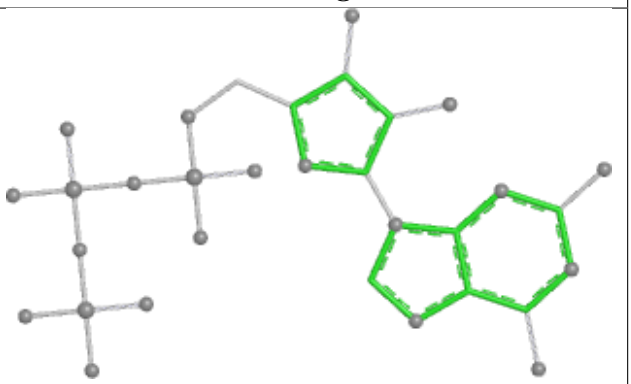
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Bond angles

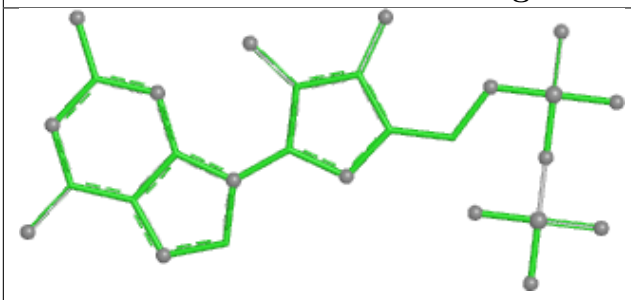


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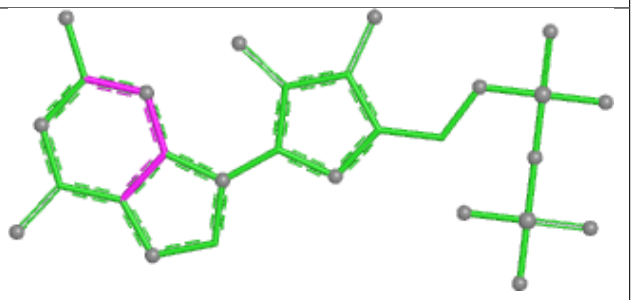


Rings

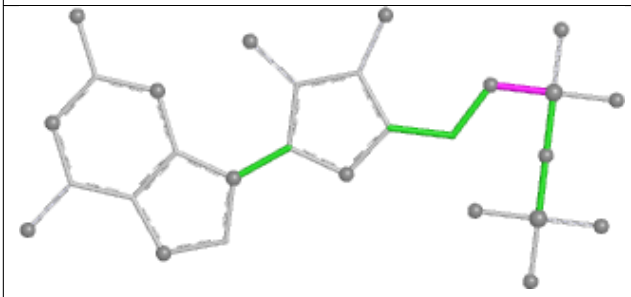
Ligand GDP JB 501



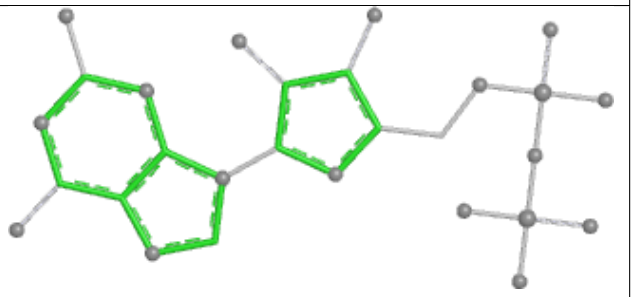
Bond lengths



Bond angles

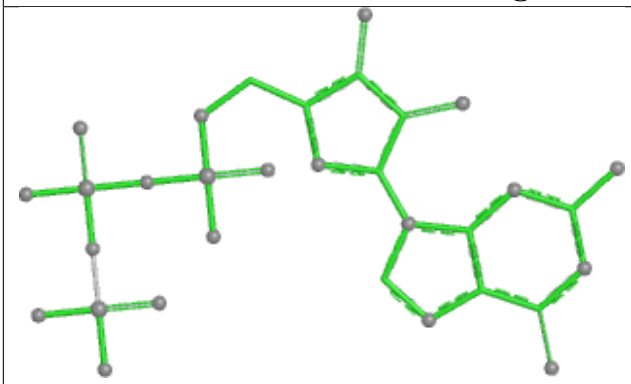


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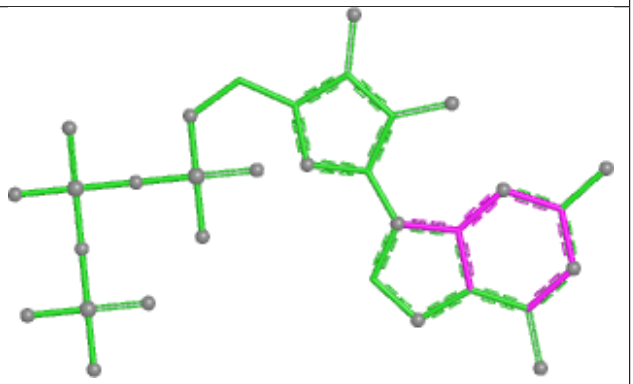


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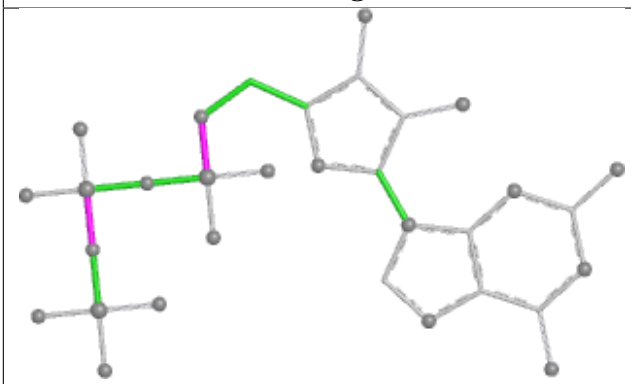
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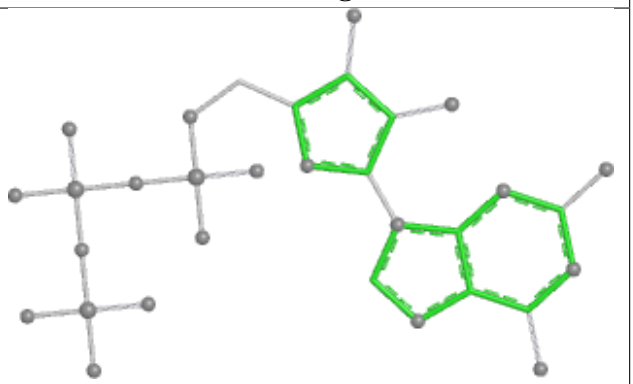
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Bond angles

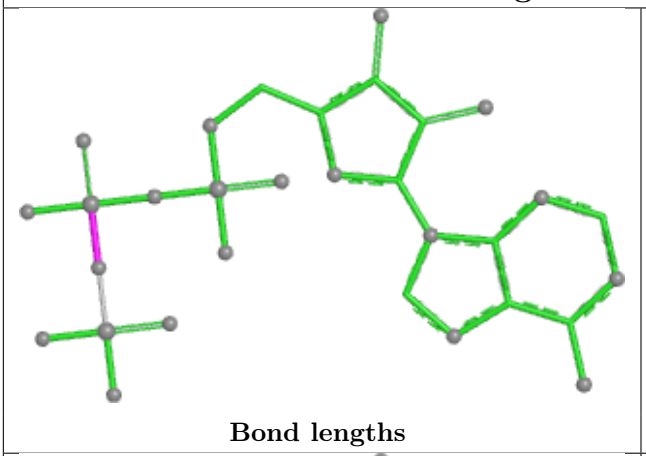


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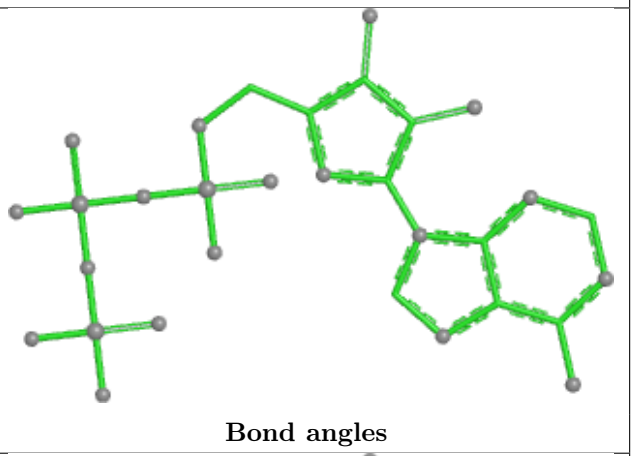


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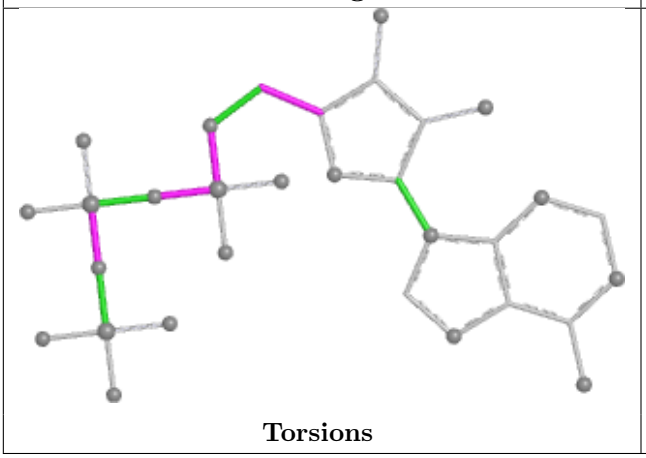
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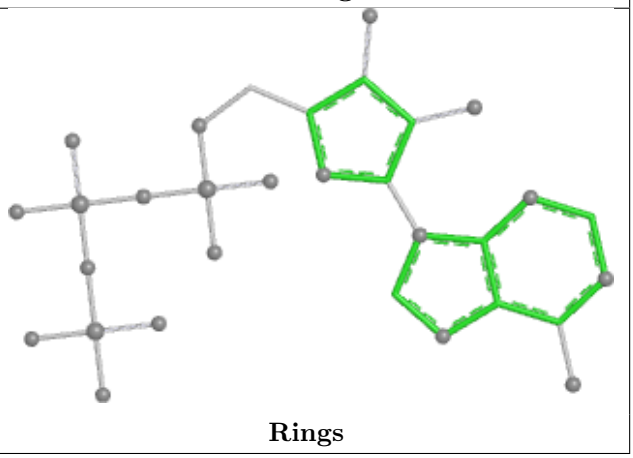
Bond lengths



Bond angles

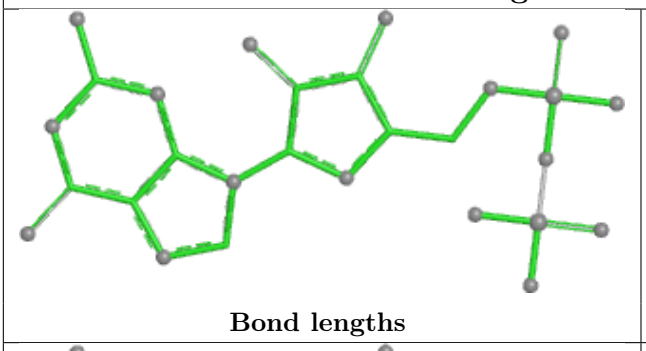


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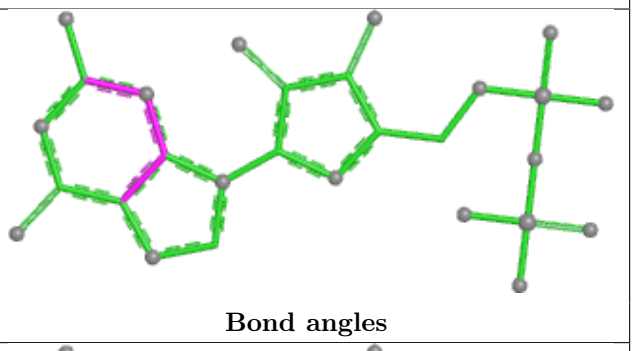


Rings

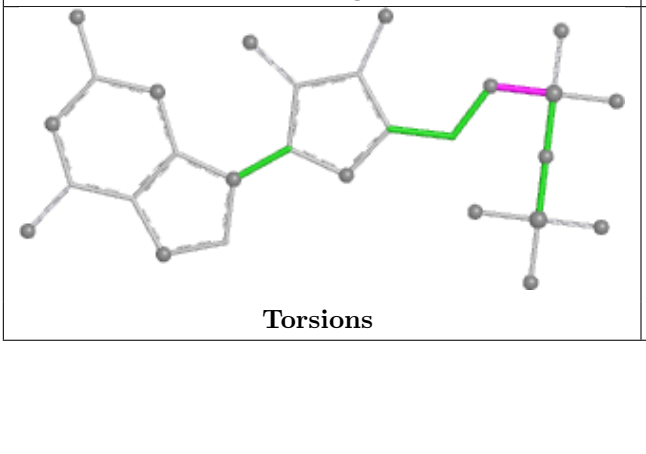
Ligand GDP MI 501



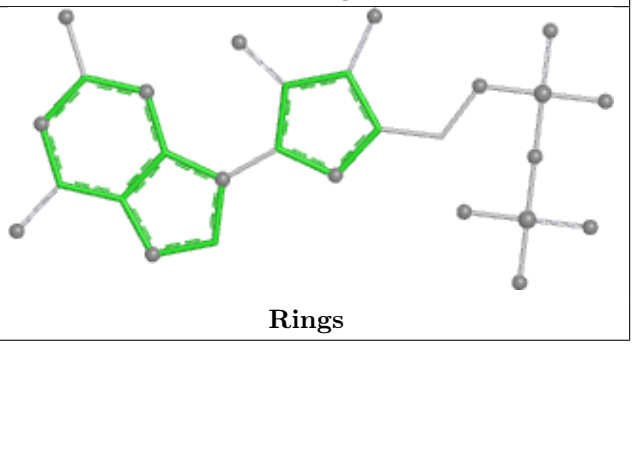
Bond lengths



Bond angles

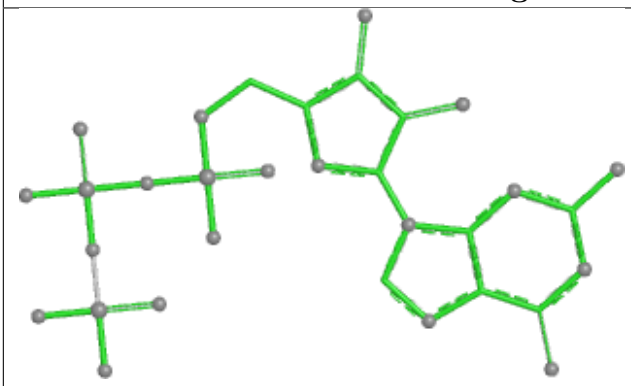


Torsions

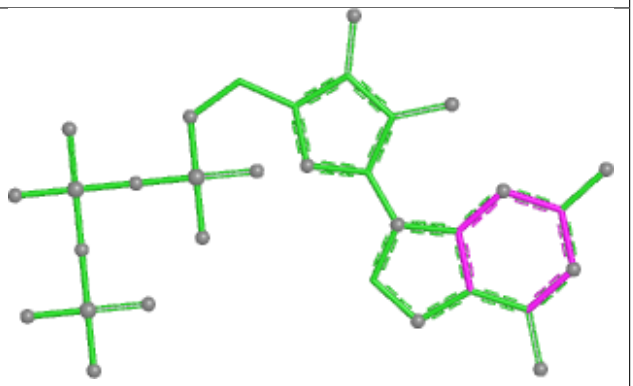


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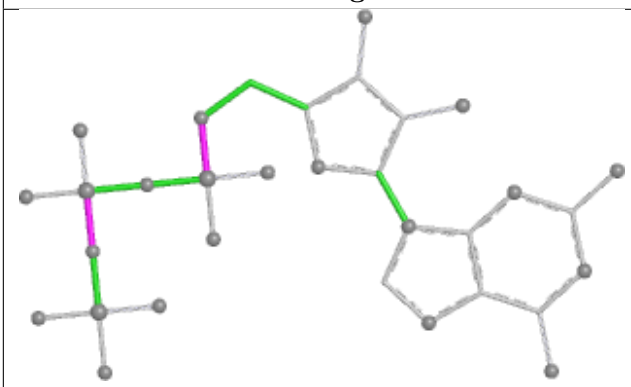
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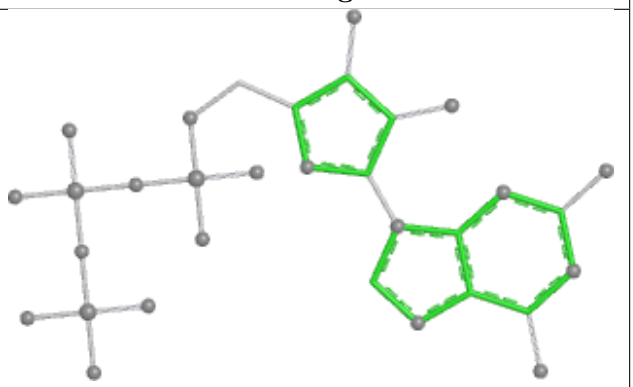
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Bond angles

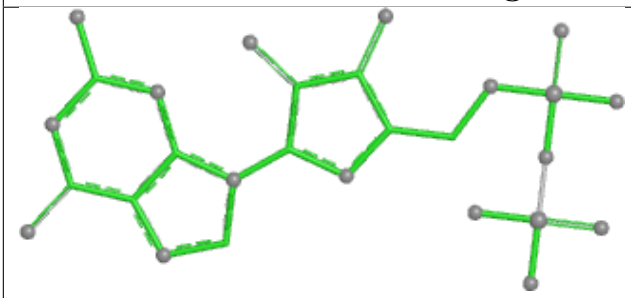


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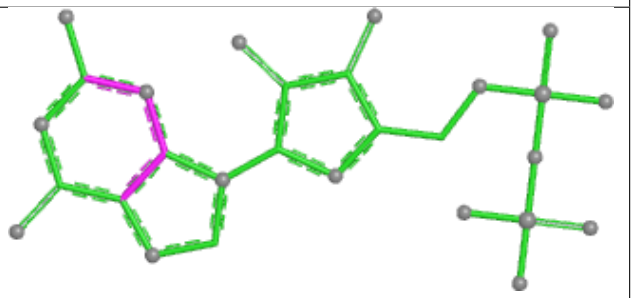


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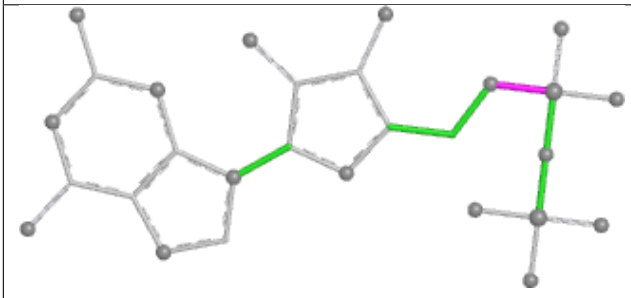
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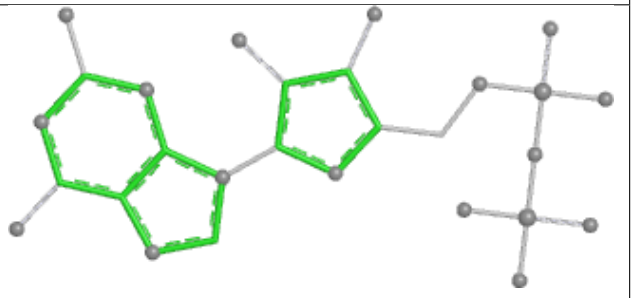
Bond lengths



Bond angles

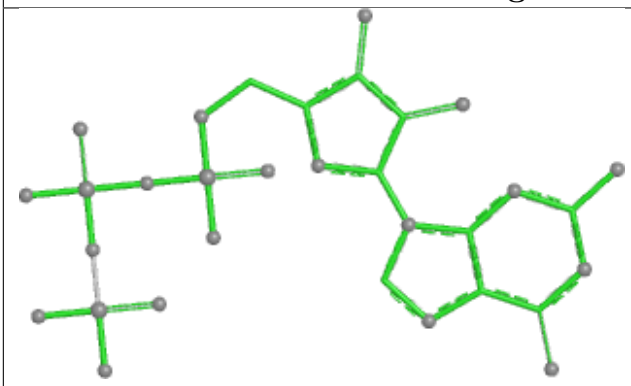


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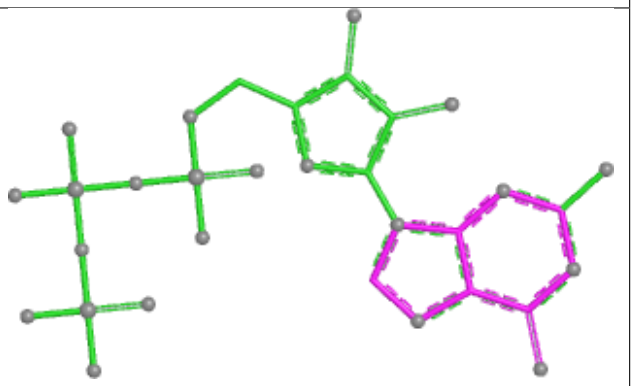


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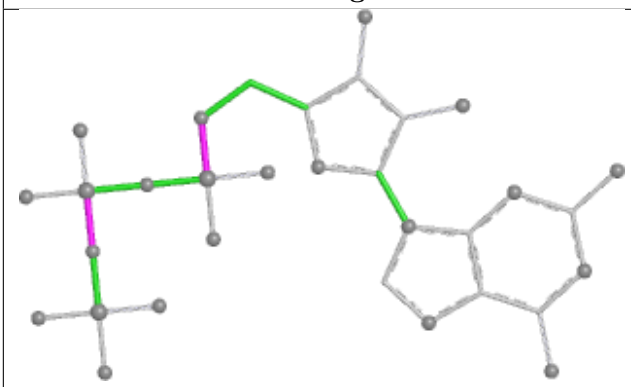
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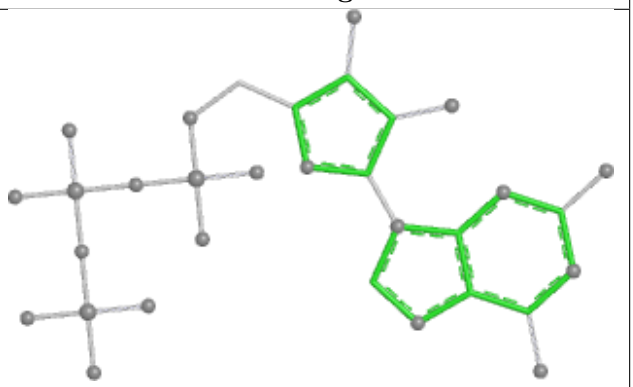
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Bond angles

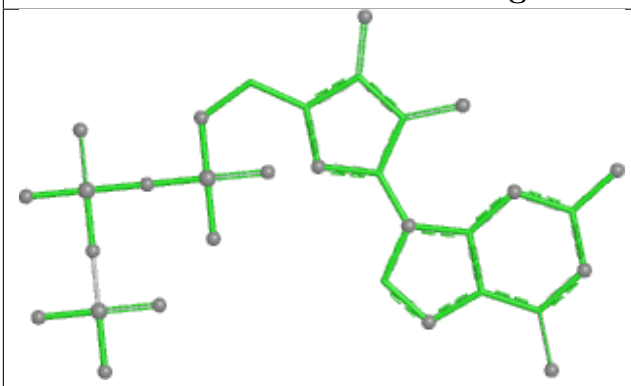


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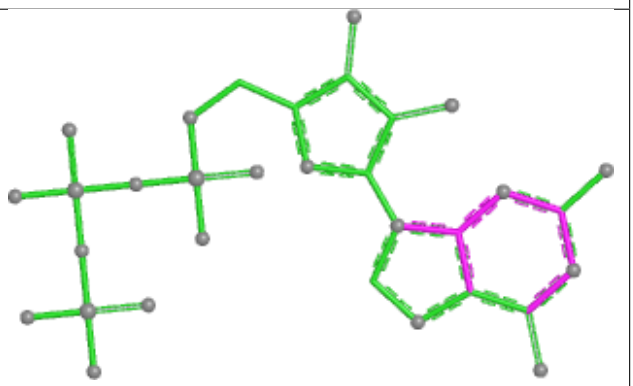


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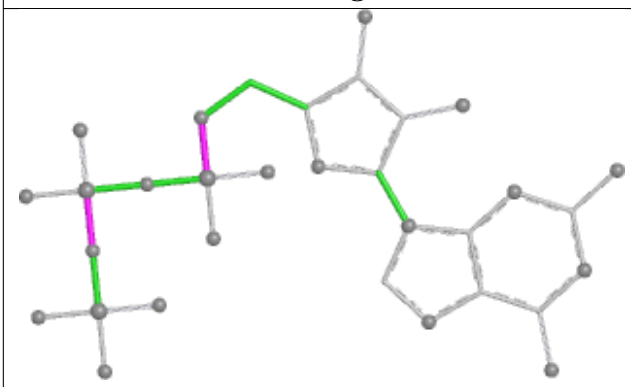
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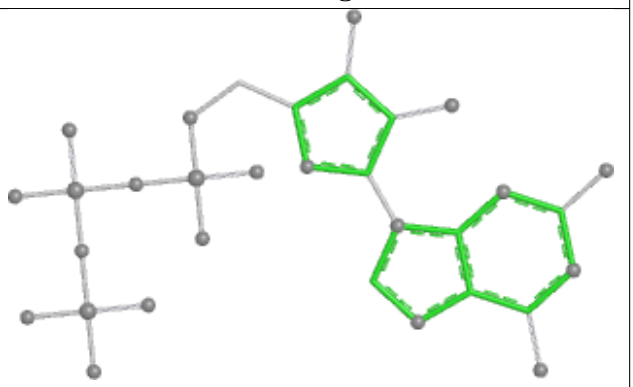
Bond lengths



Bond angles

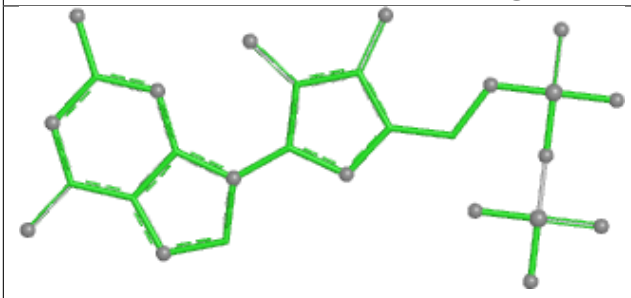


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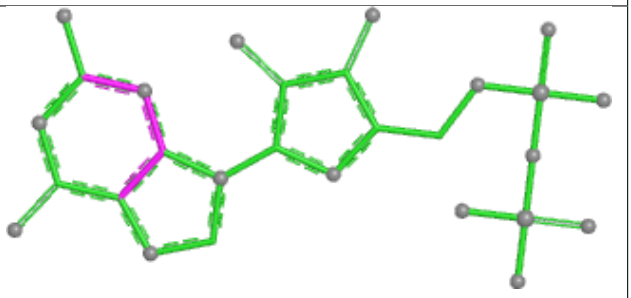


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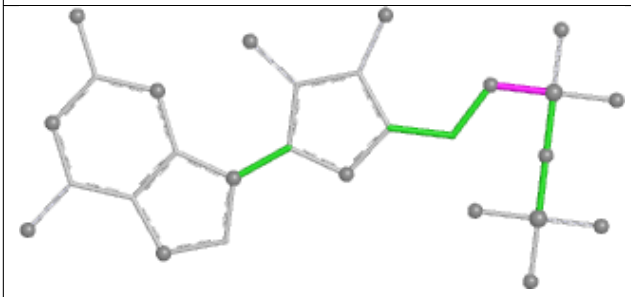
Ligand GDP OC 501



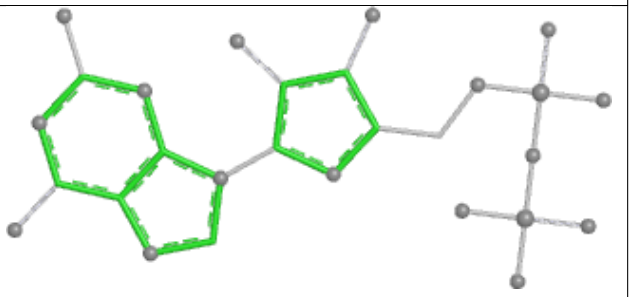
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Bond angles

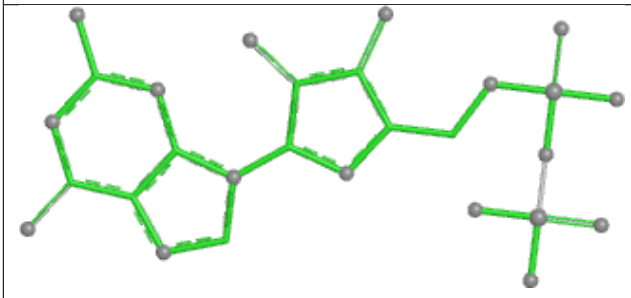


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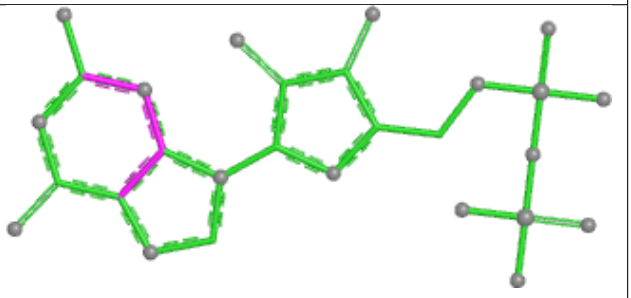


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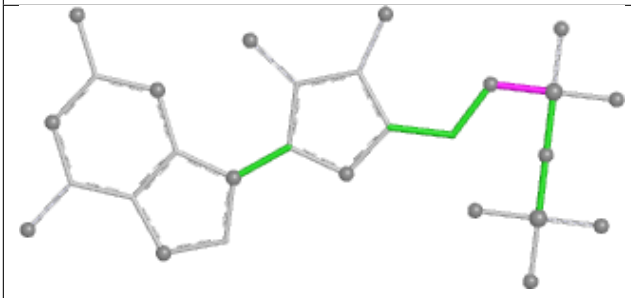
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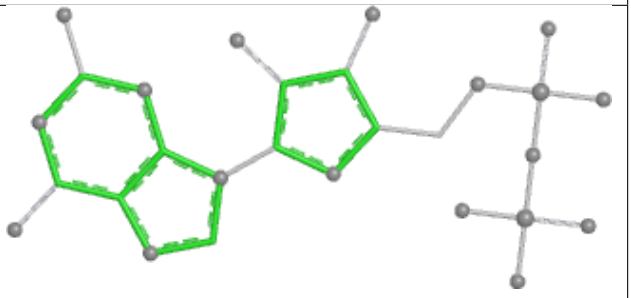
Bond lengths



Bond angles

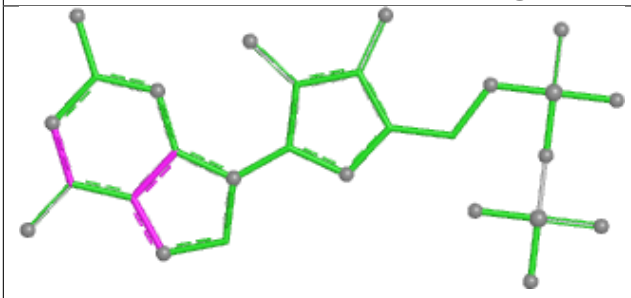


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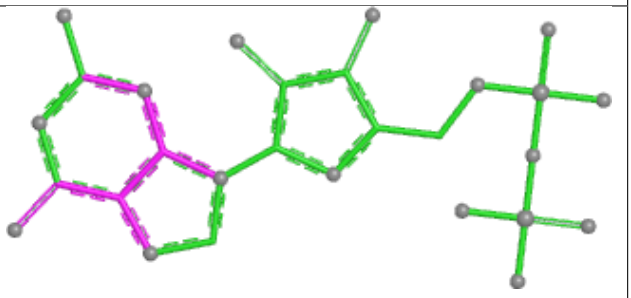


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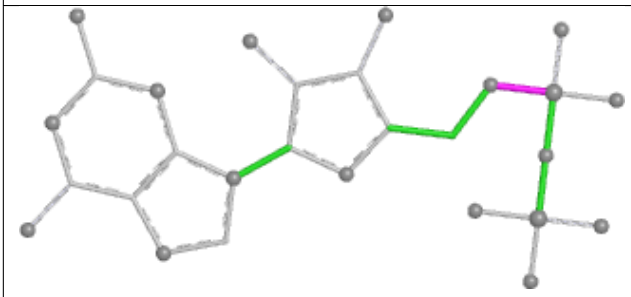
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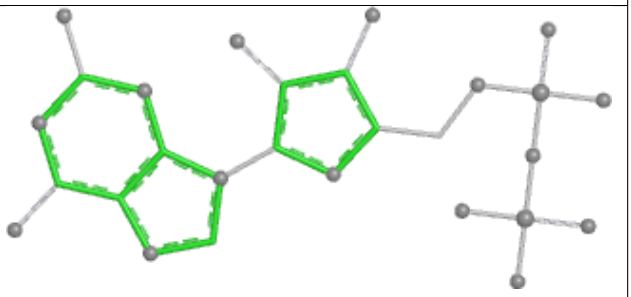
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Bond angles

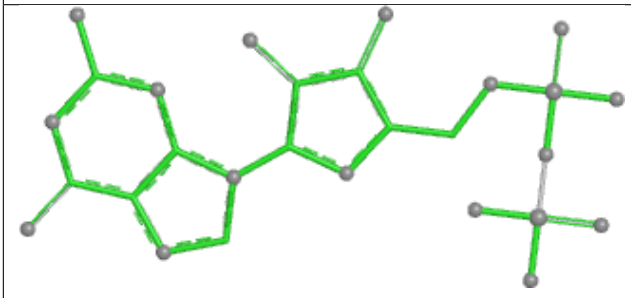


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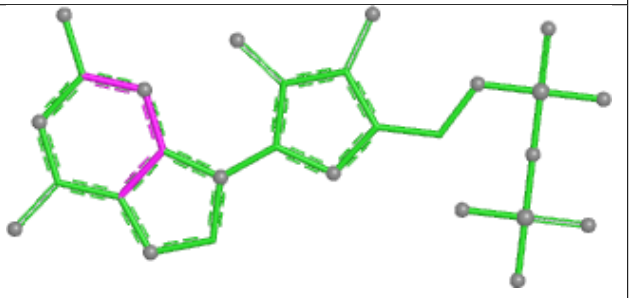


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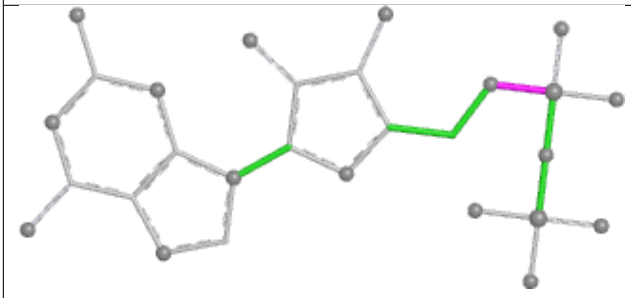
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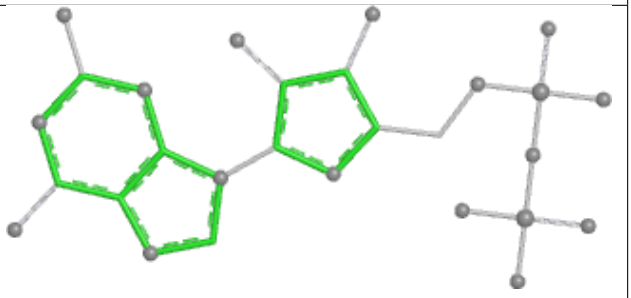
Bond lengths



Bond angles

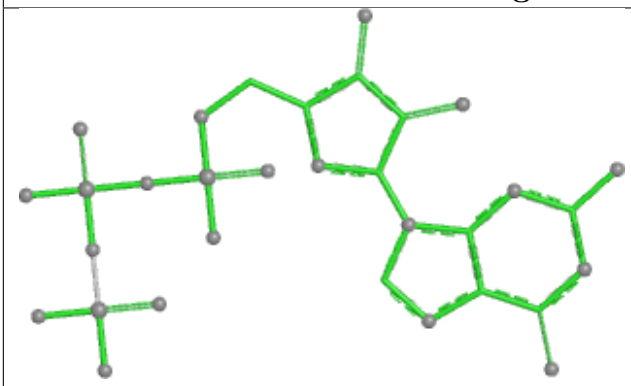


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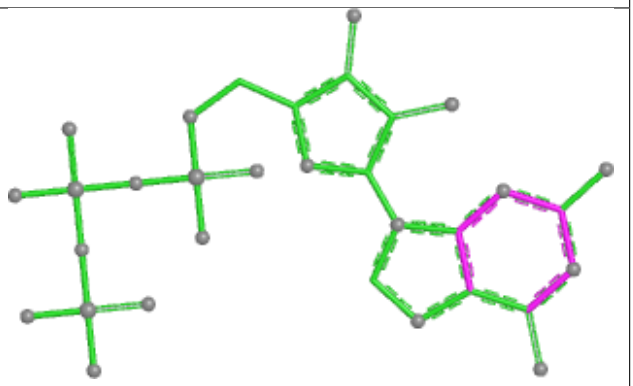


Rings

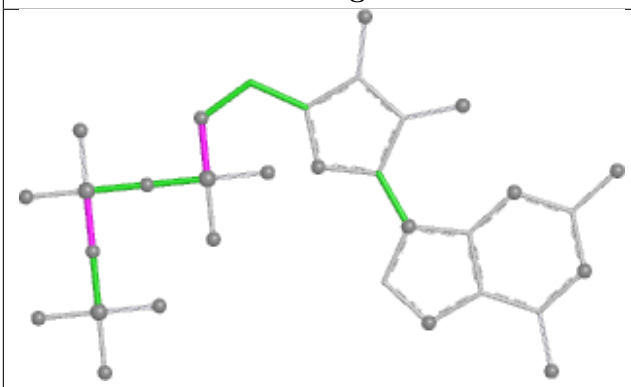
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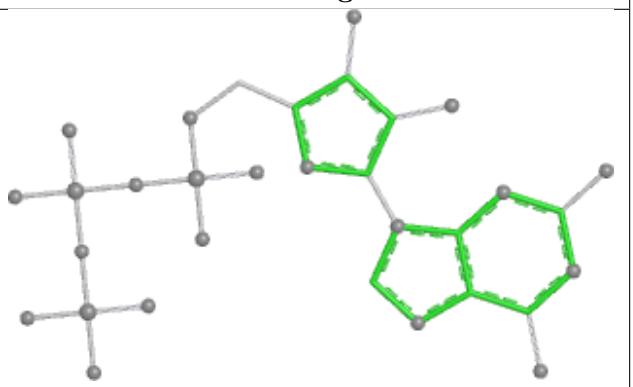
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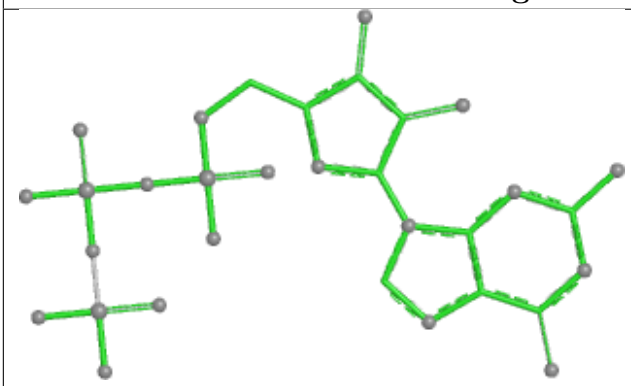


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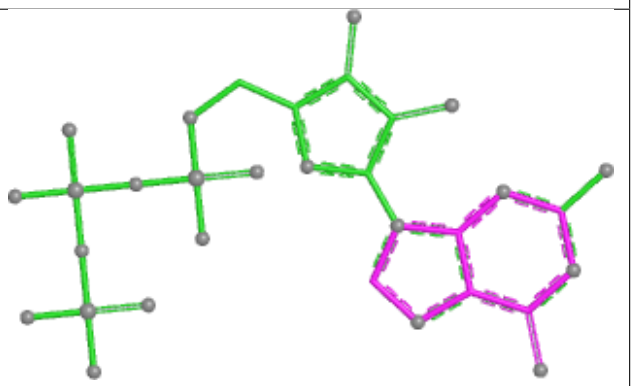


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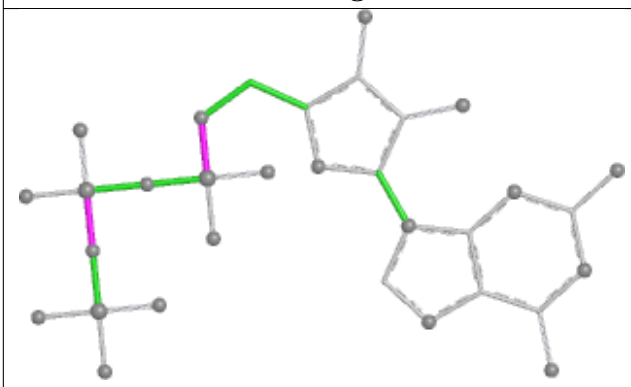
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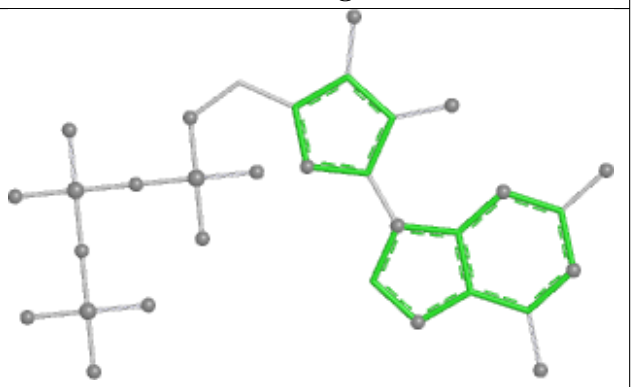
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Bond angles

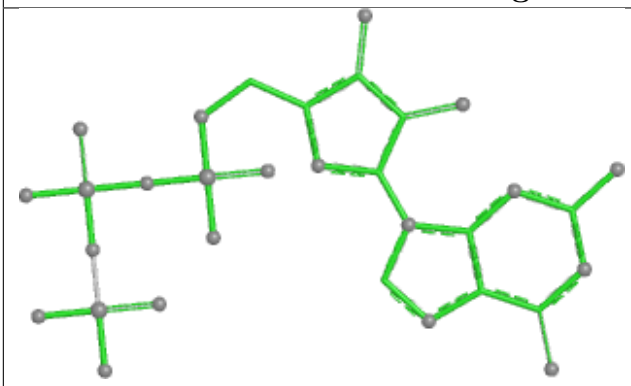


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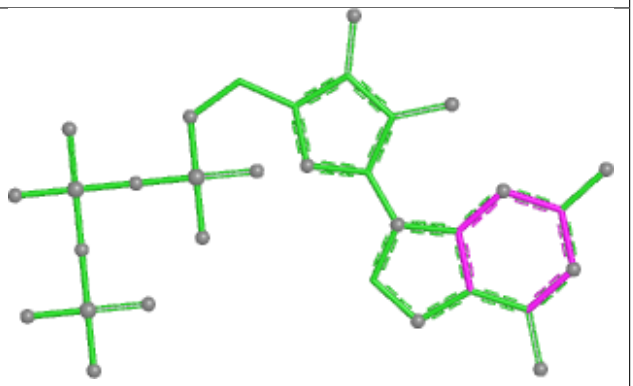


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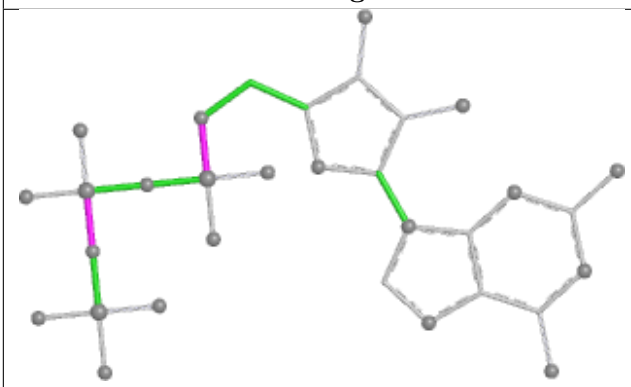
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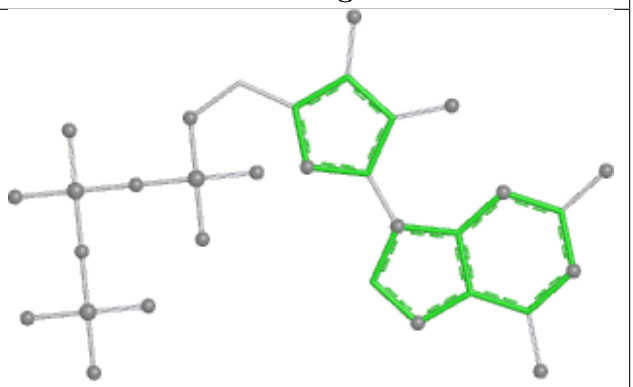
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Bond angles

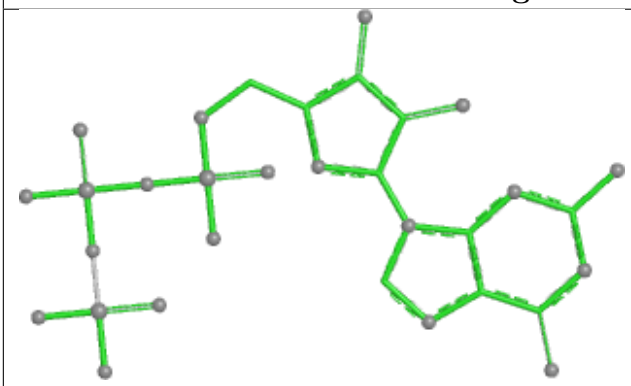


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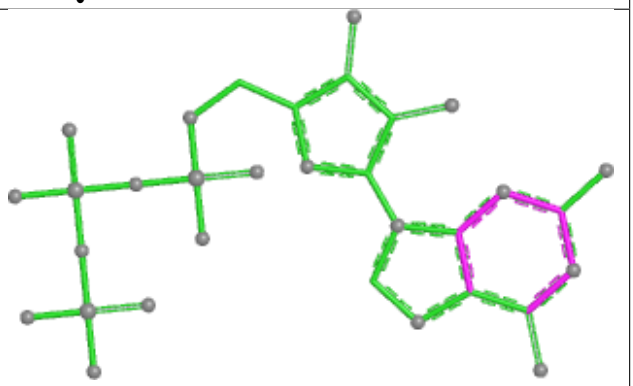


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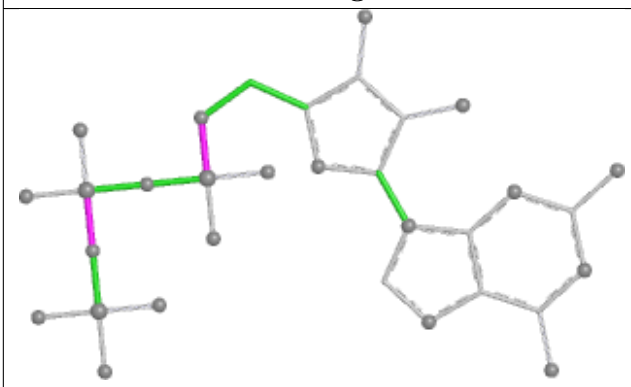
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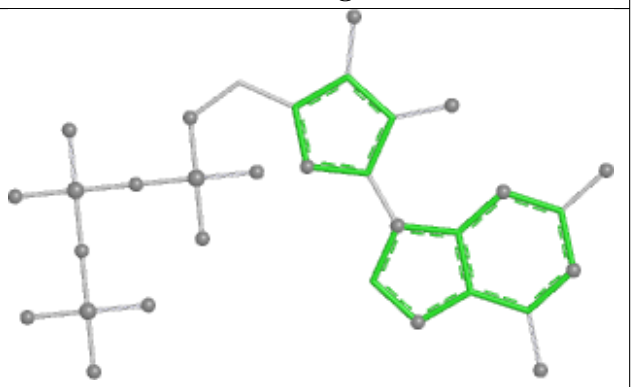
Bond lengths



Bond angles

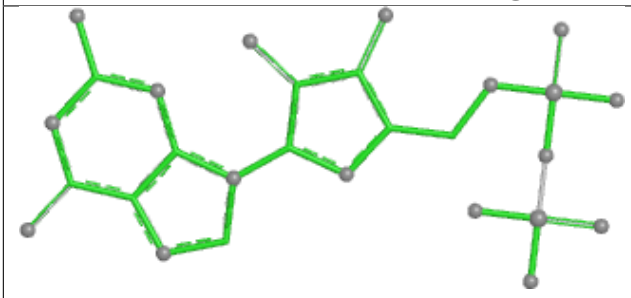


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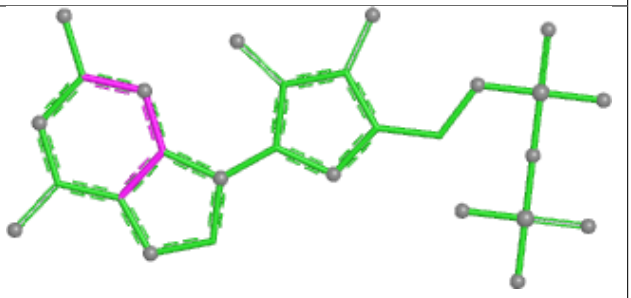


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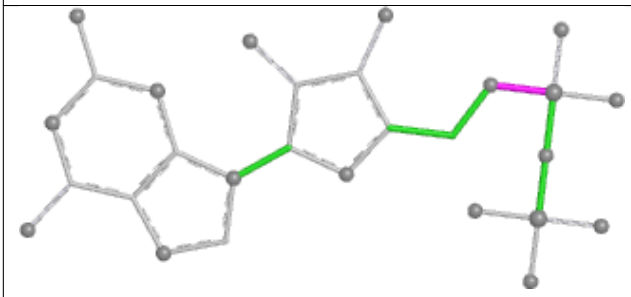
Ligand GDP OU 501



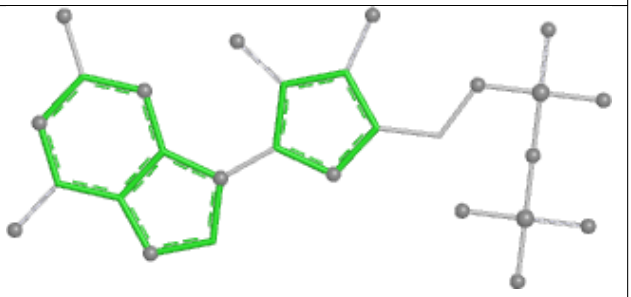
Bond lengths



Bond angles

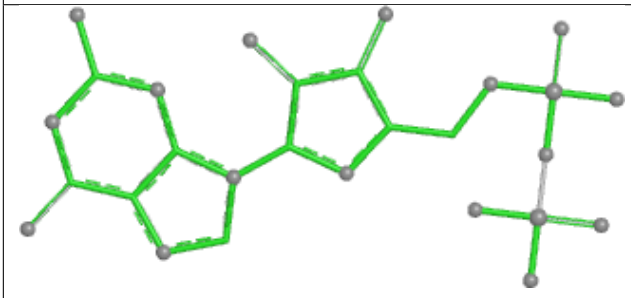


Torsions

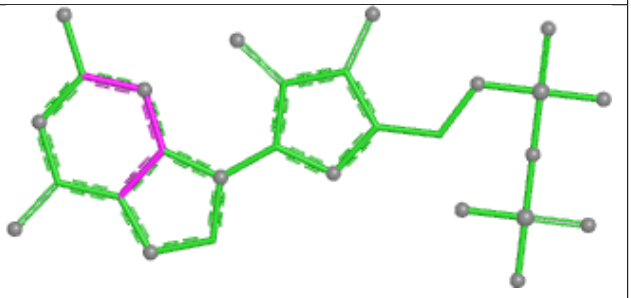


Rings

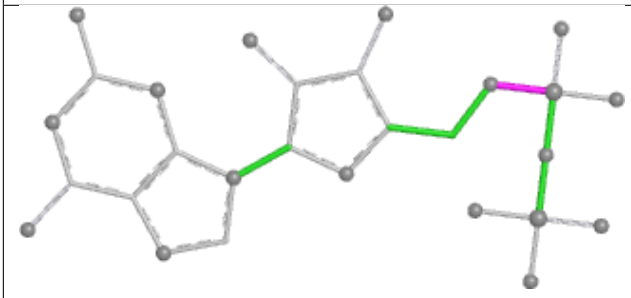
Ligand GDP UO 501



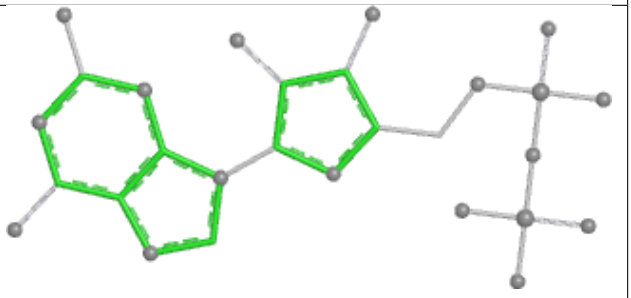
Bond lengths



Bond angles

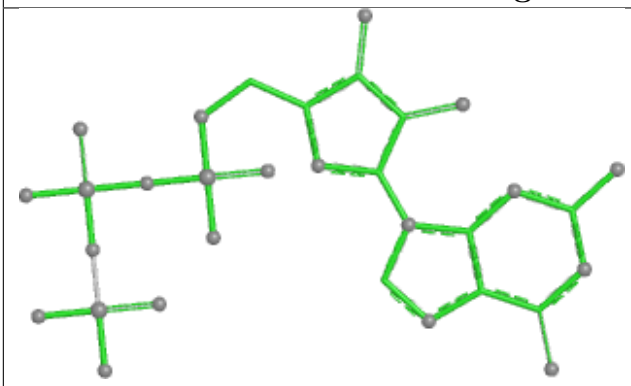


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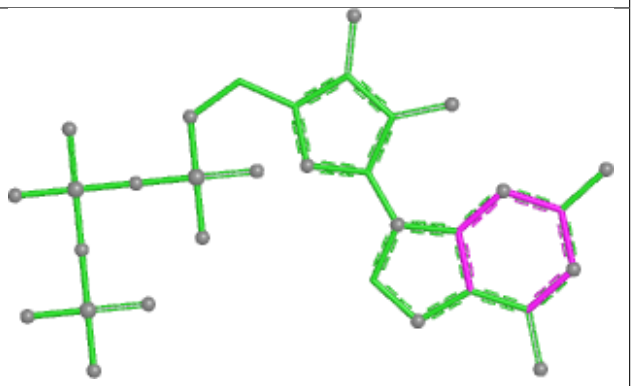


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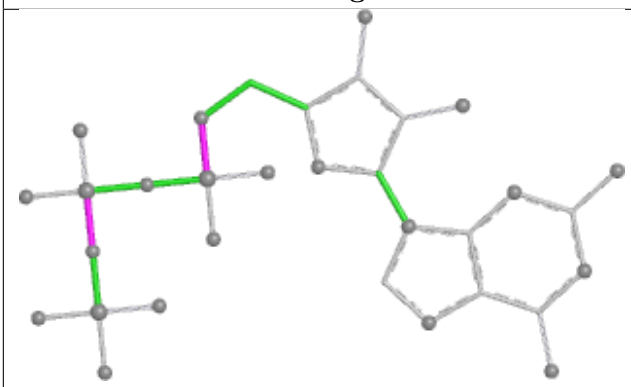
Ligand GTP LZ 501



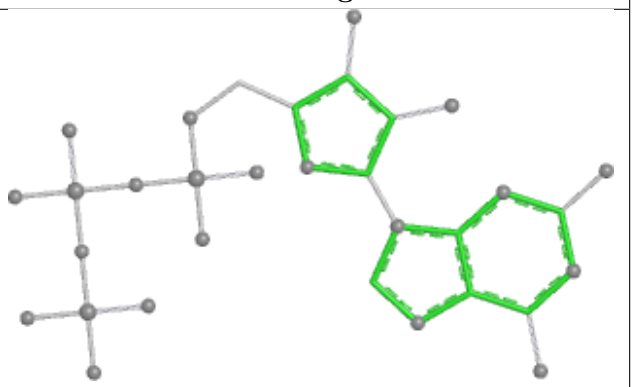
Bond lengths



Bond angles

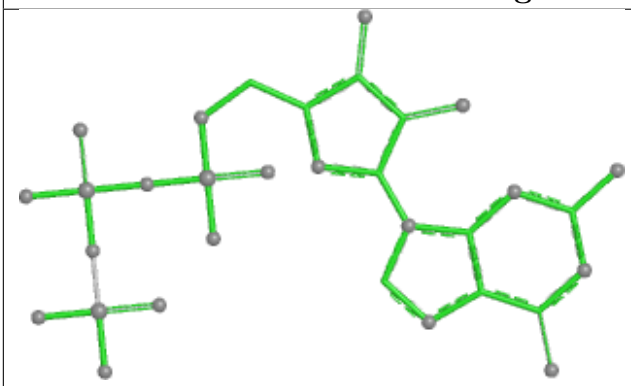


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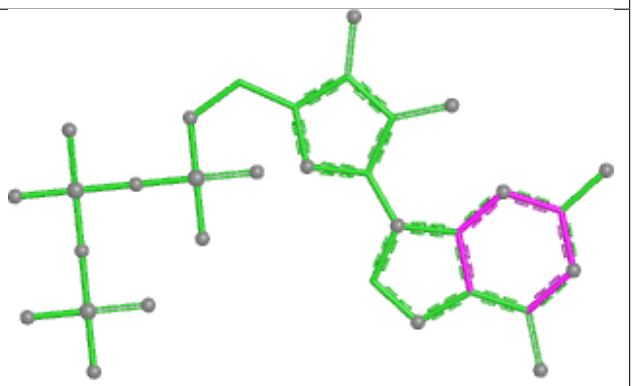


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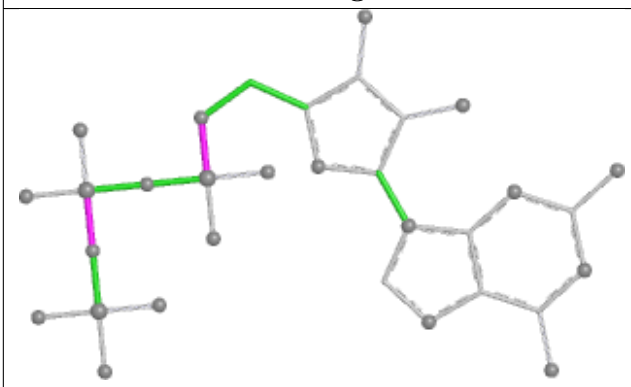
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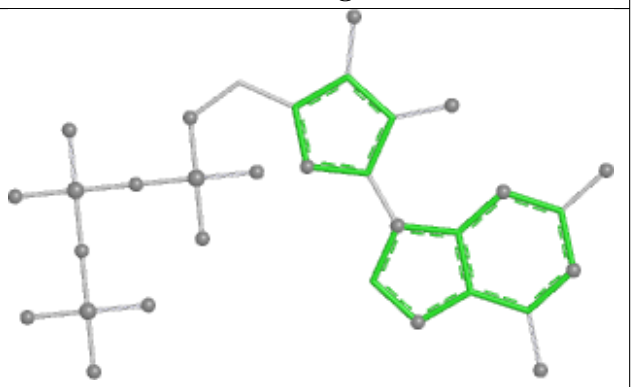
Bond lengths



Bond angles

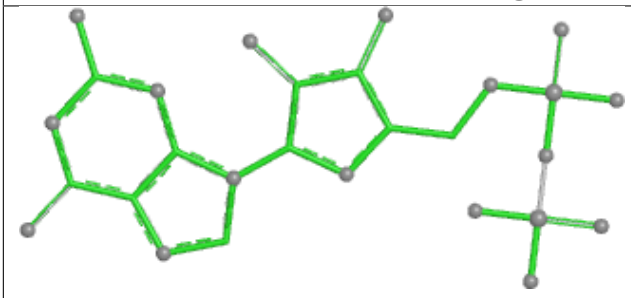


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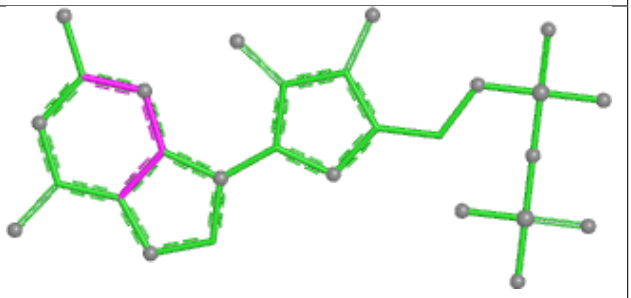


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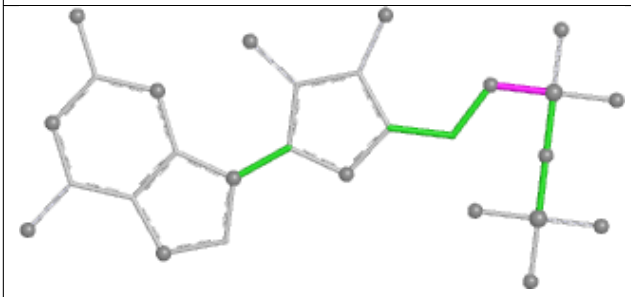
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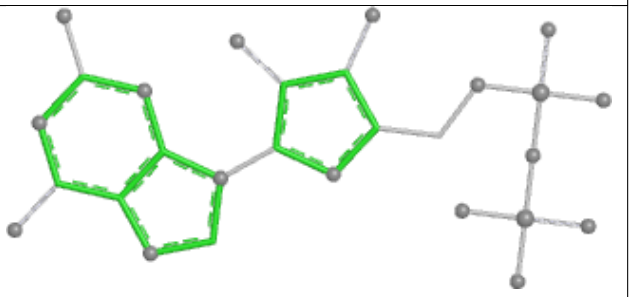
Bond lengths



Bond angles

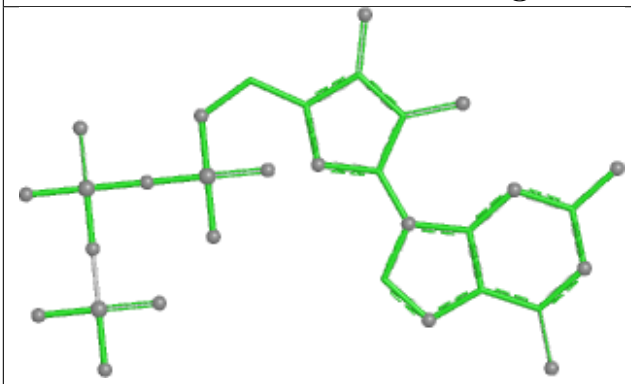


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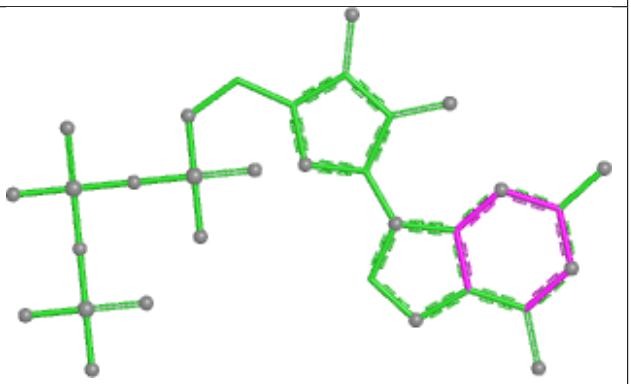


Rings

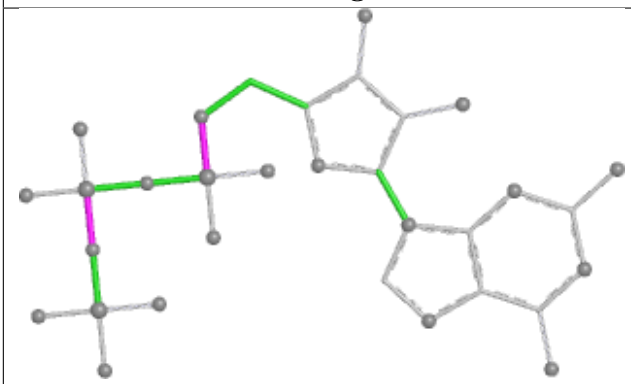
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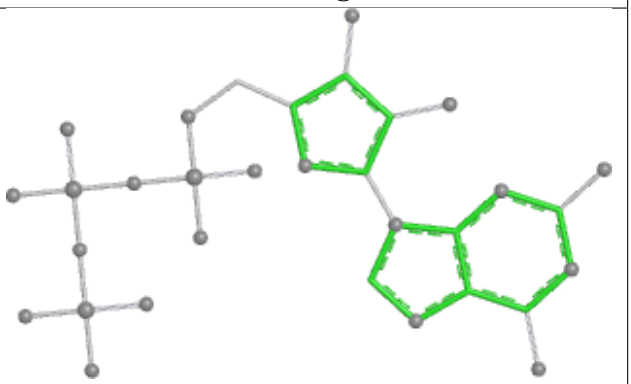
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Bond angles

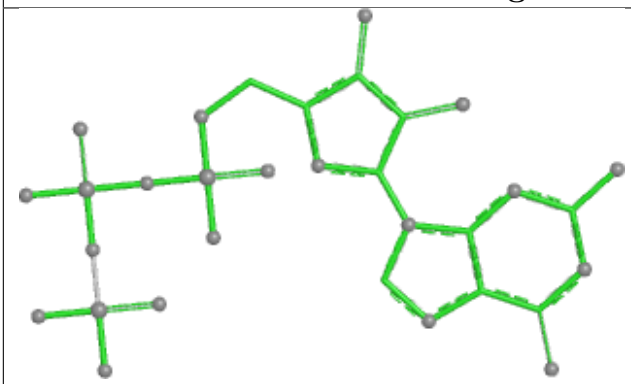


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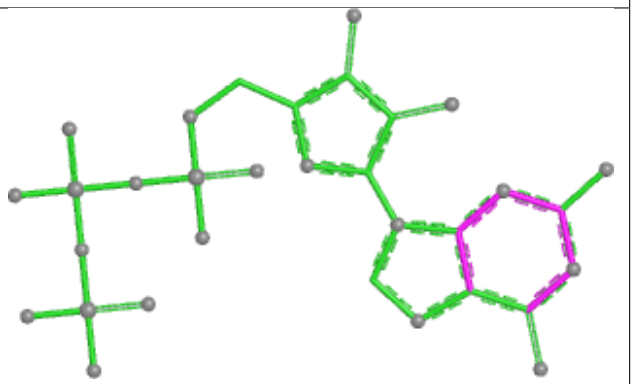


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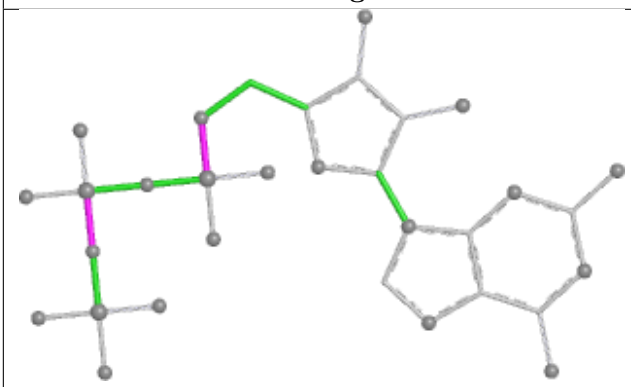
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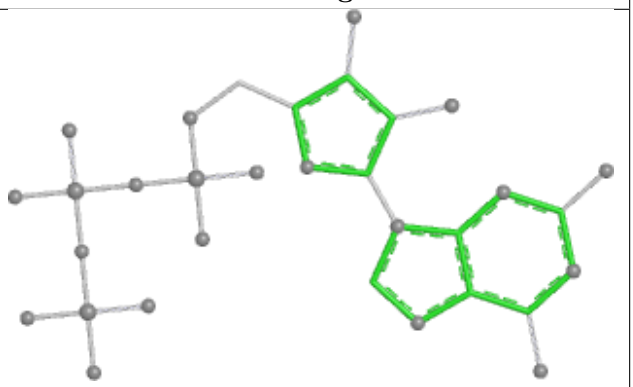
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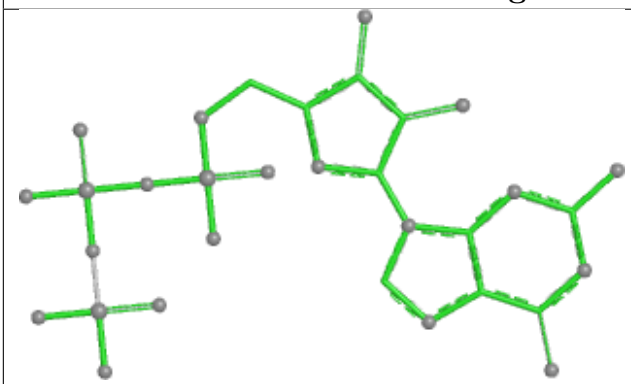


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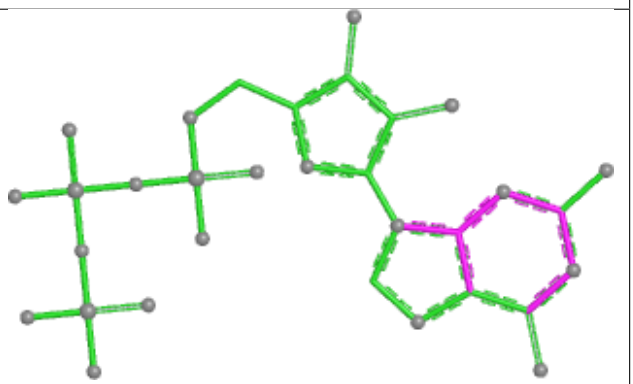


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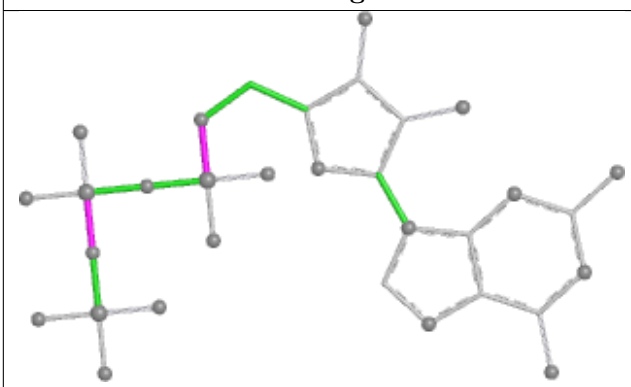
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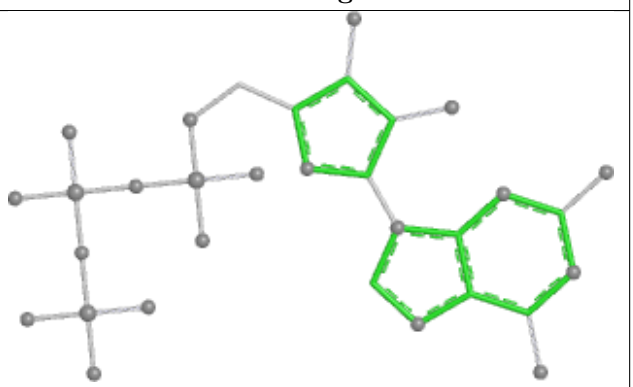
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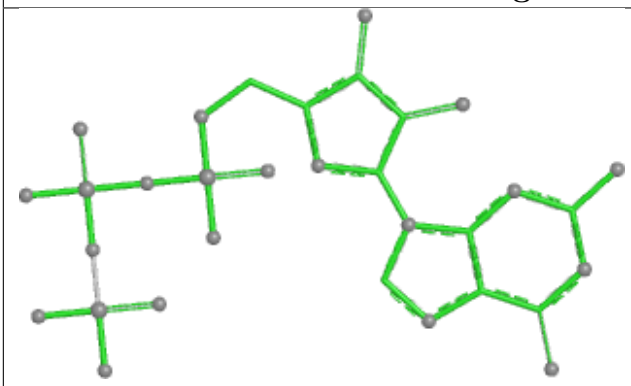


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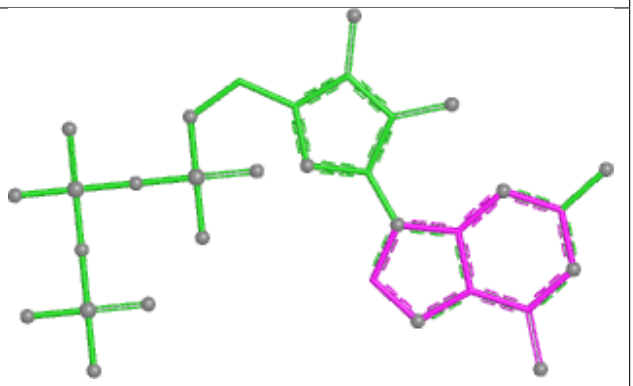


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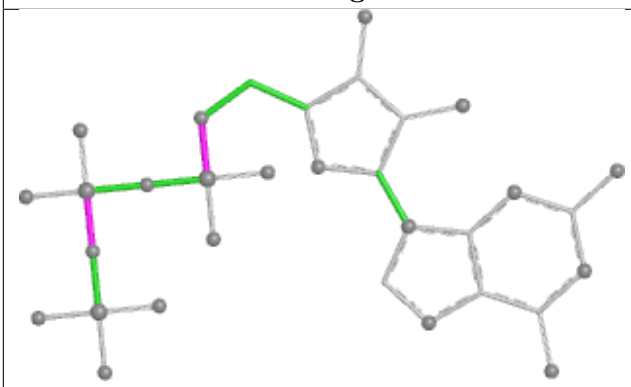
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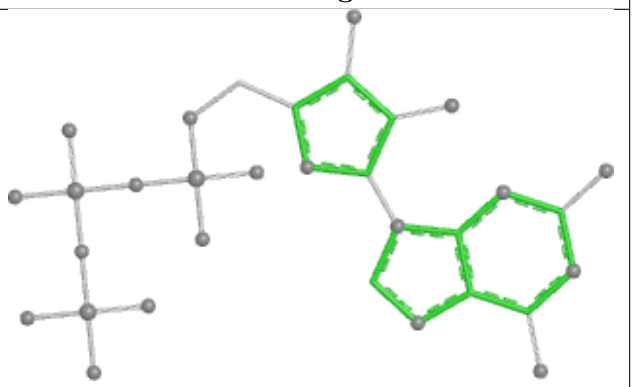
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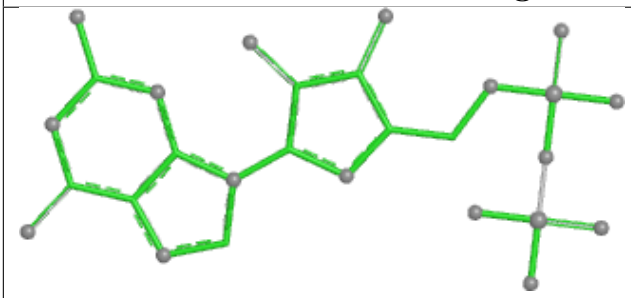


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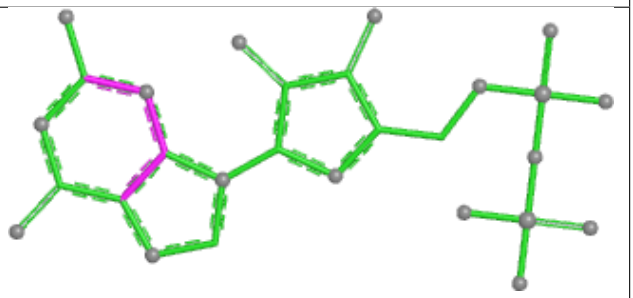


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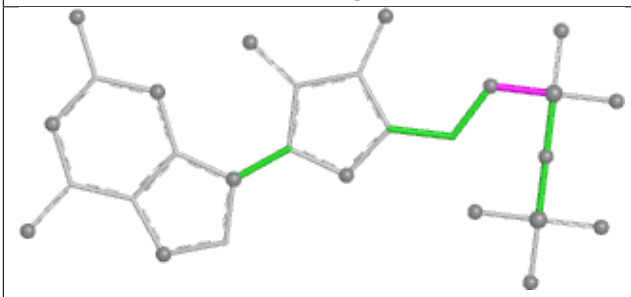
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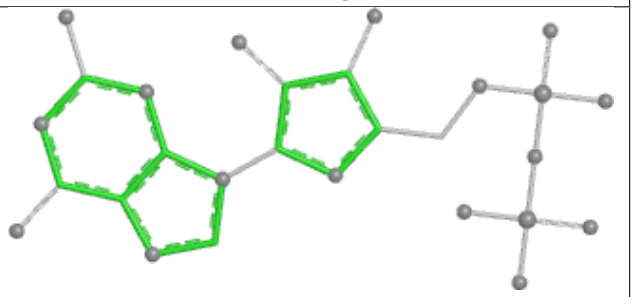
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Bond angles

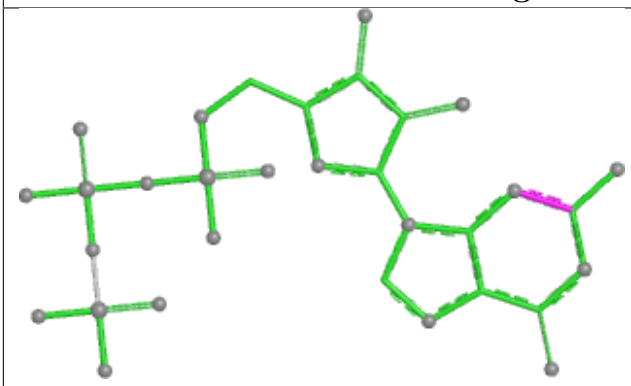


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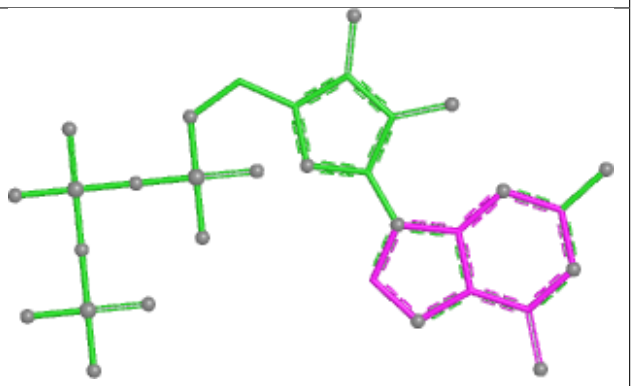


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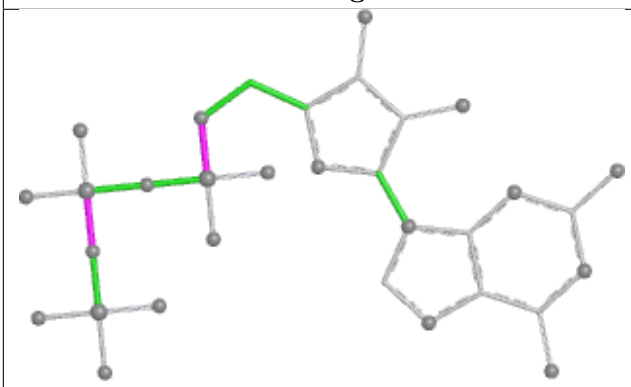
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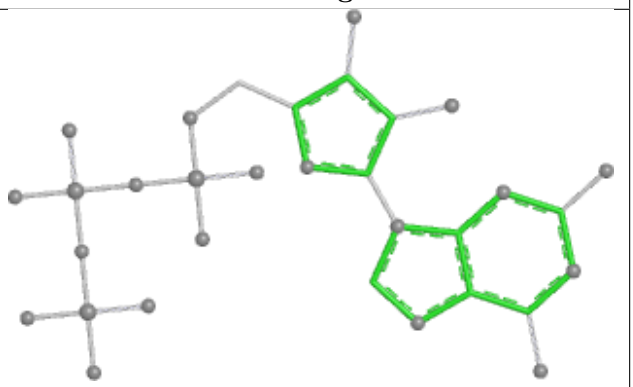
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Bond angles

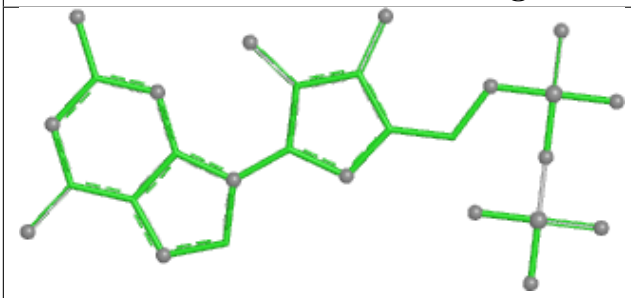


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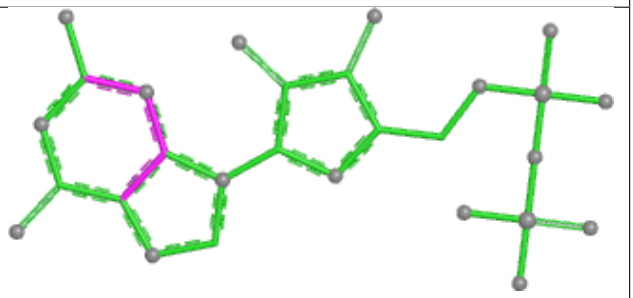


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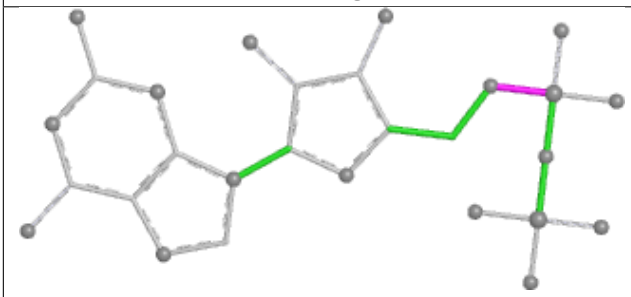
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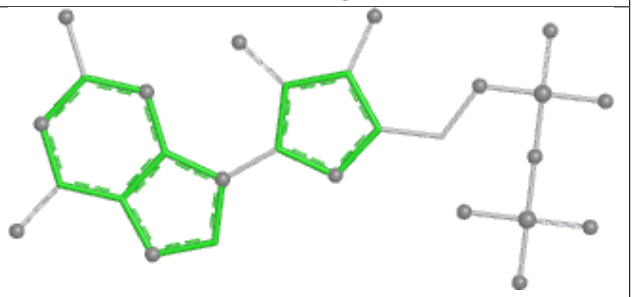
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Bond angles

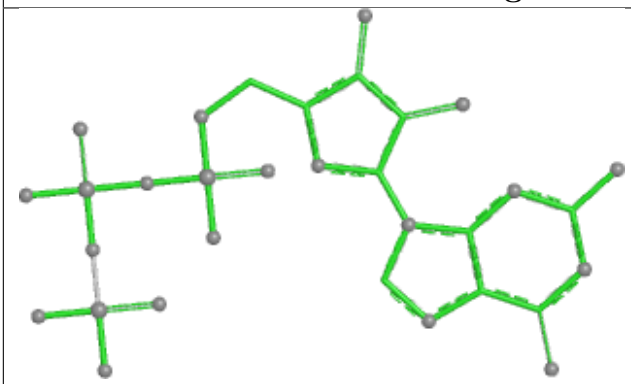


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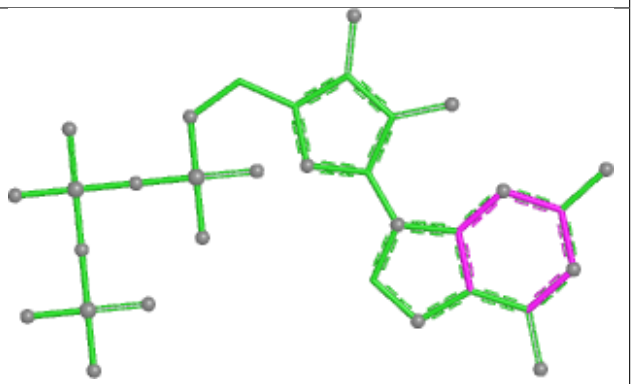


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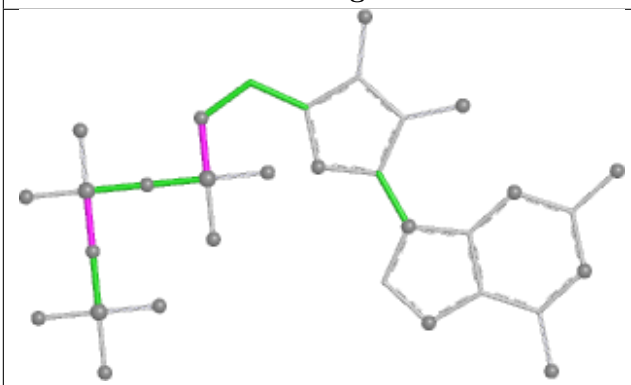
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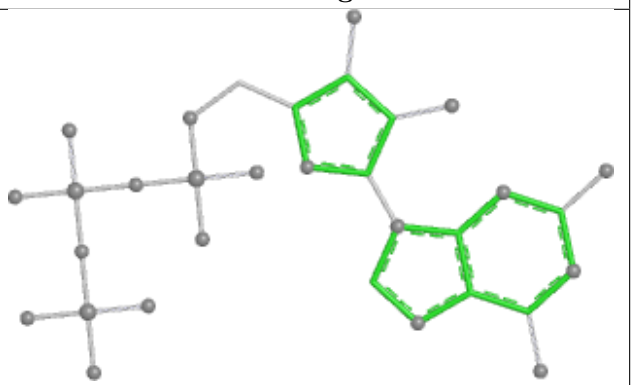
Bond lengths



Bond angles

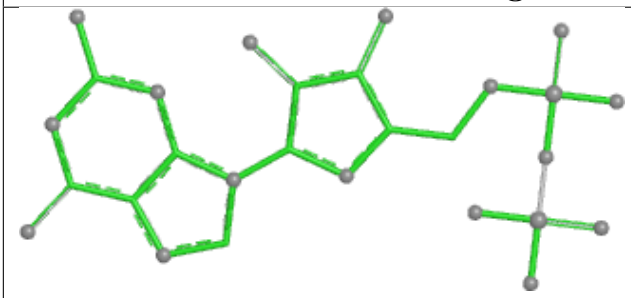


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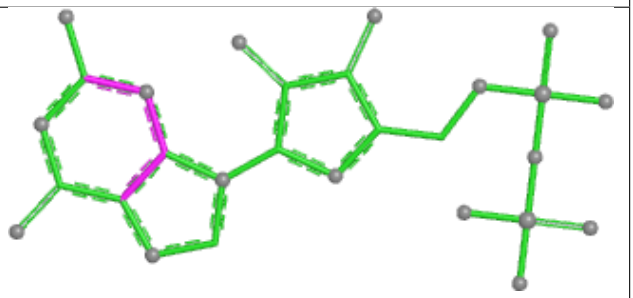


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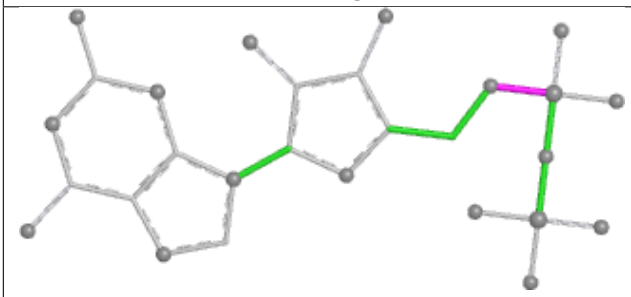
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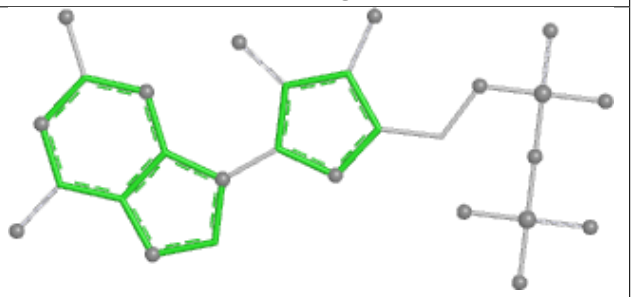
Bond lengths



Bond angles

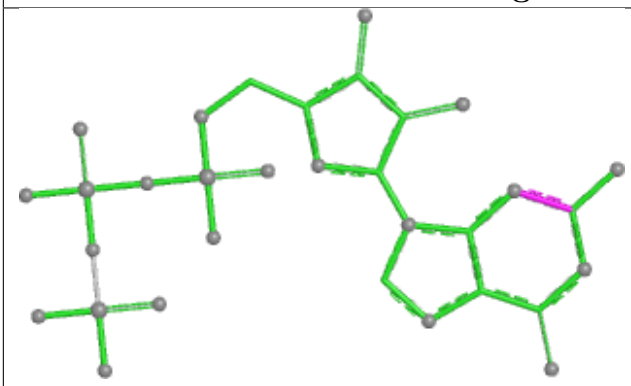


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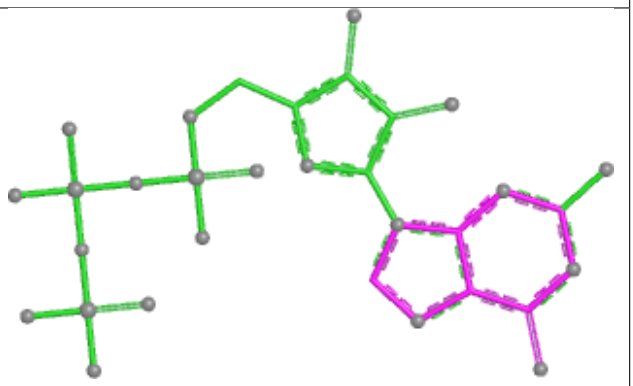


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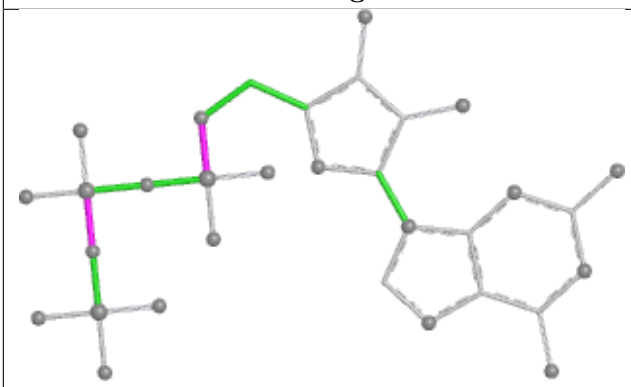
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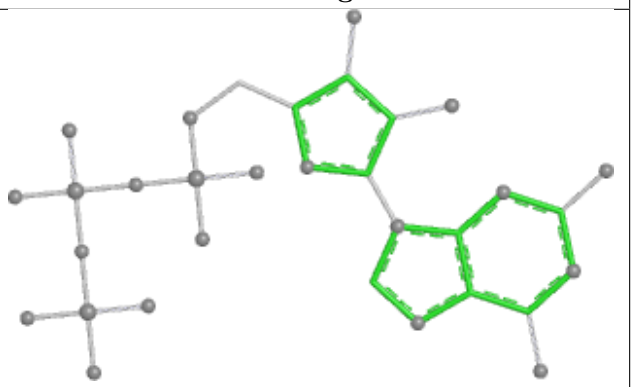
Bond lengths



Bond angles

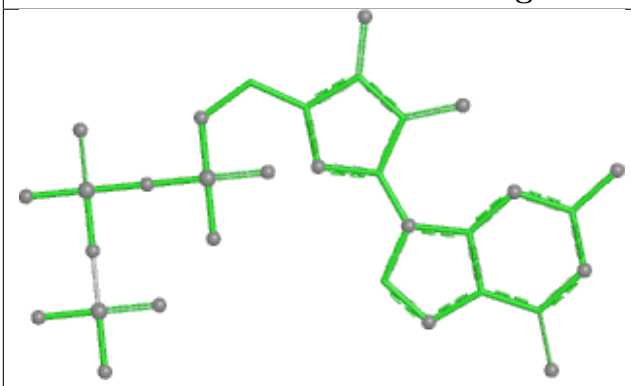


Torsions

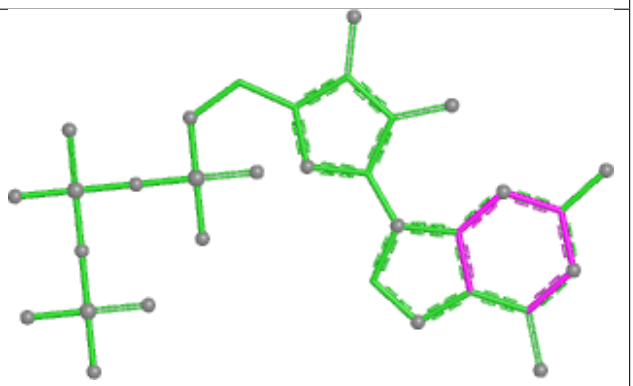


Rings

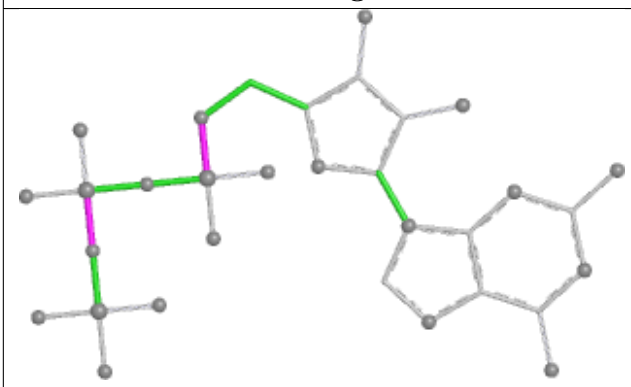
Ligand GTP ZJ 501



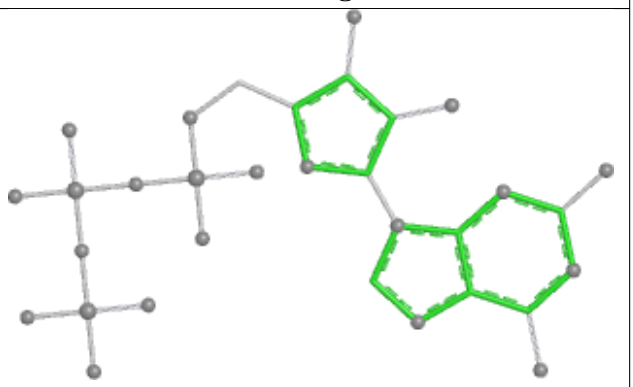
Bond lengths



Bond angles

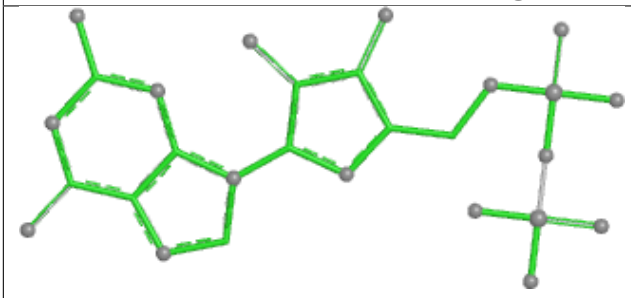


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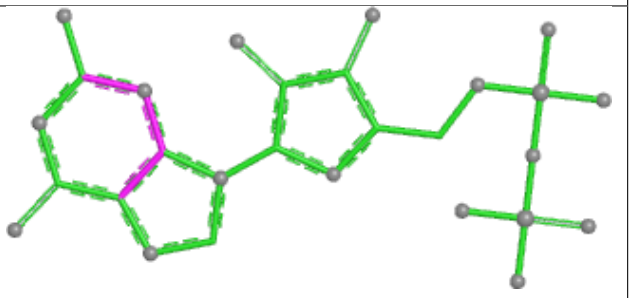


Rings

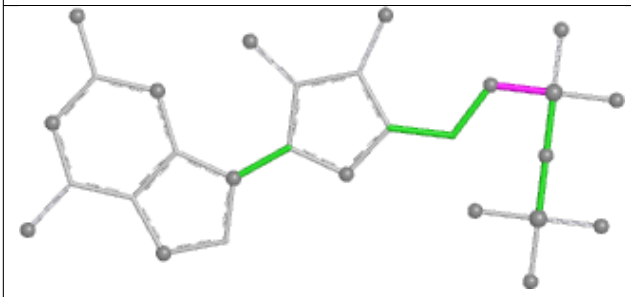
Ligand GDP DZ 501



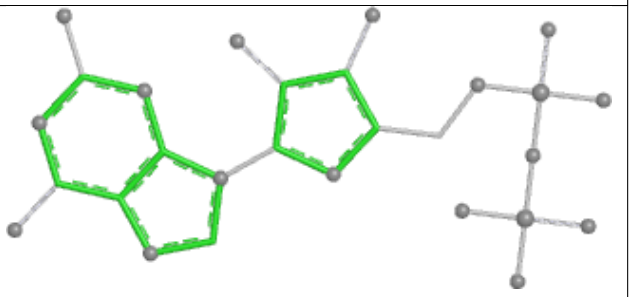
Bond lengths



Bond angles

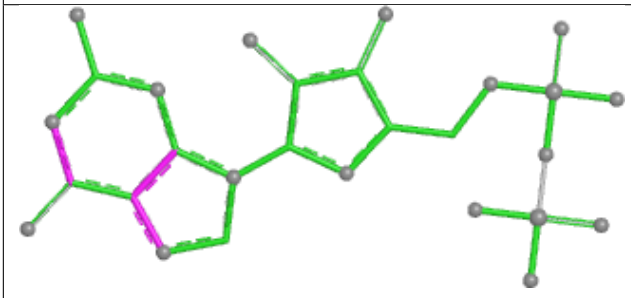


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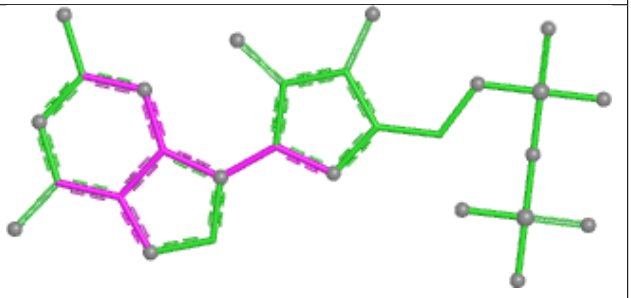


Rings

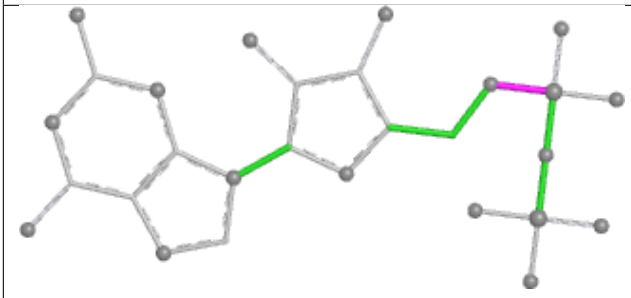
Ligand GDP BO 501



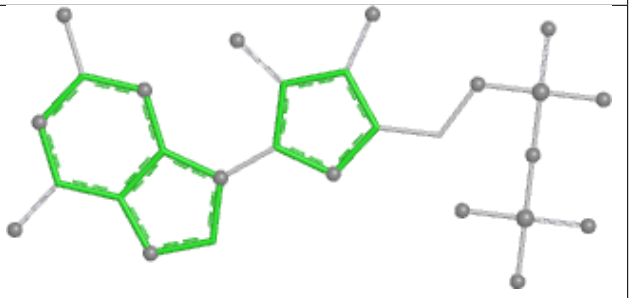
Bond lengths



Bond angles

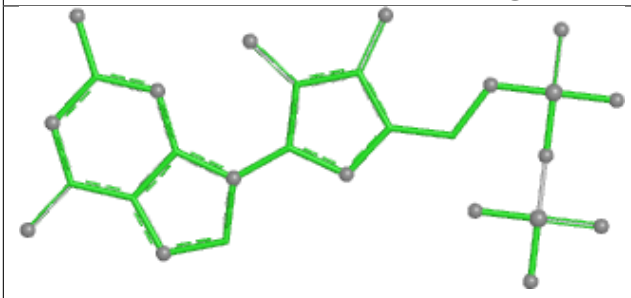


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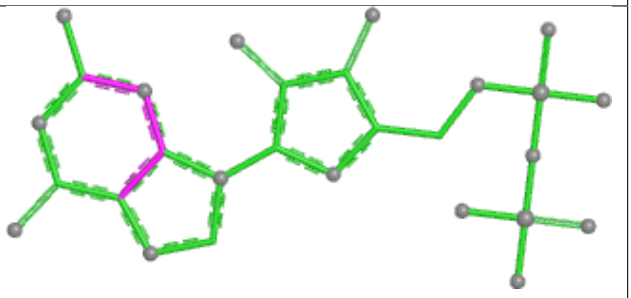


Rings

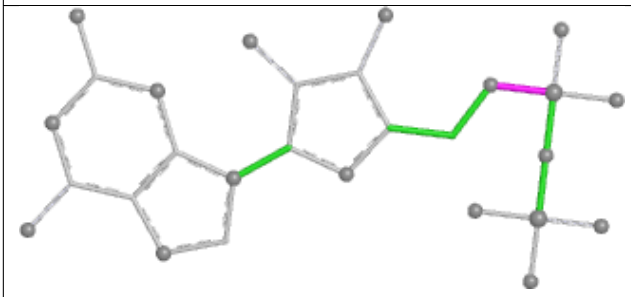
Ligand GDP NG 501



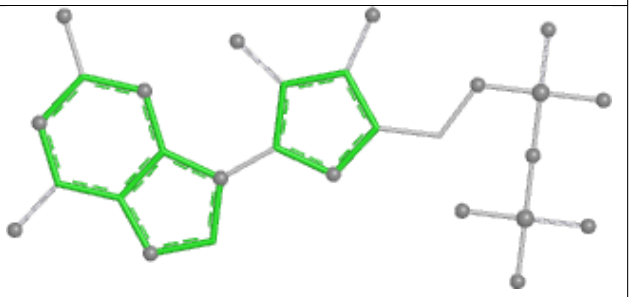
Bond lengths



Bond angles

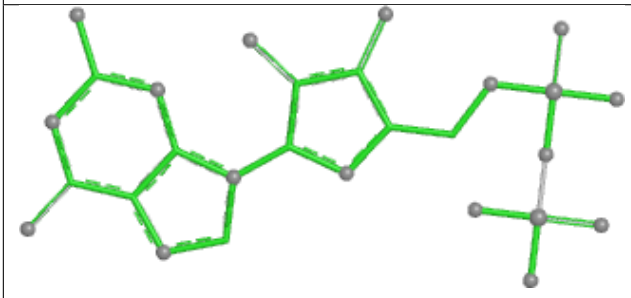


Torsions

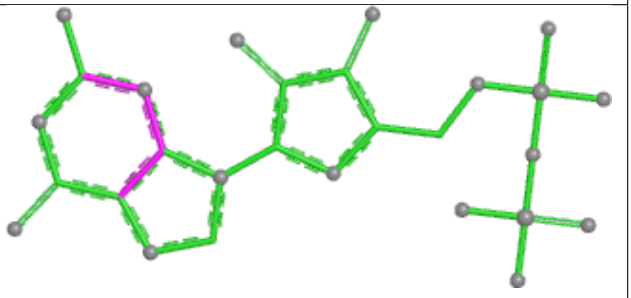


Rings

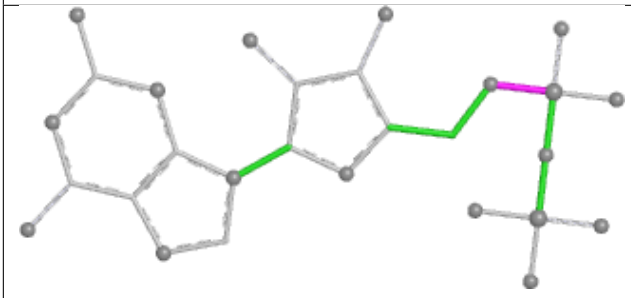
Ligand GDP RD 501



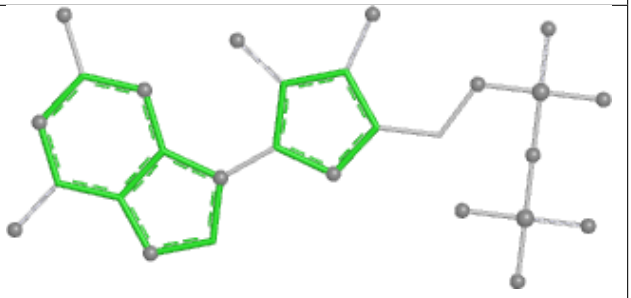
Bond lengths



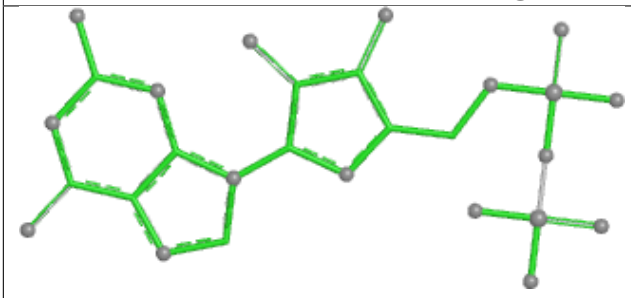
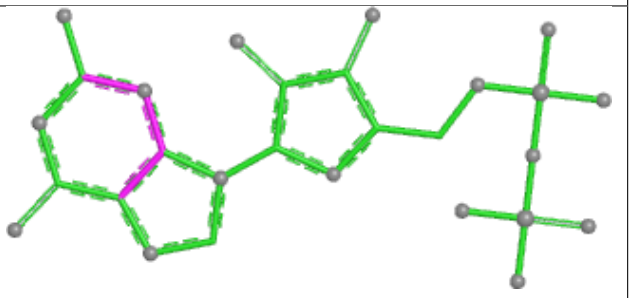
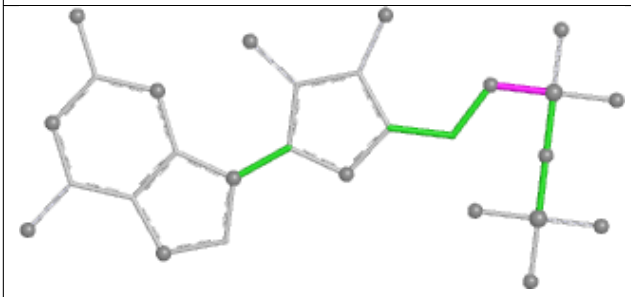
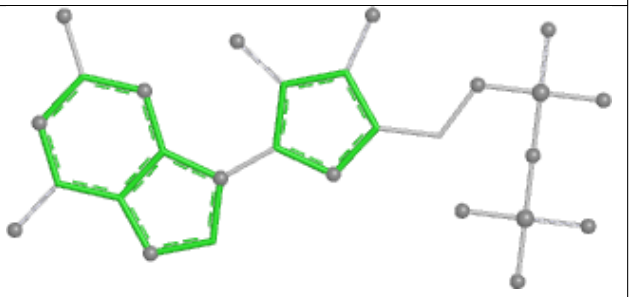
Bond angles

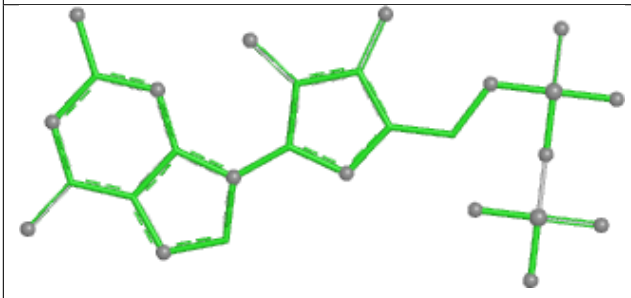
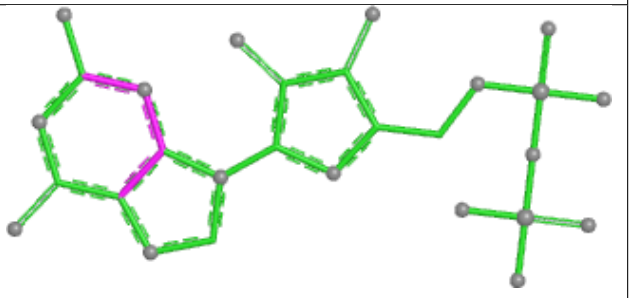
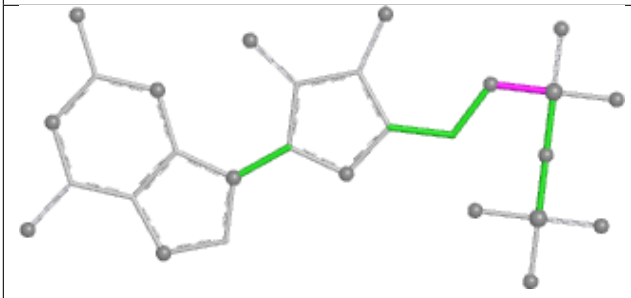
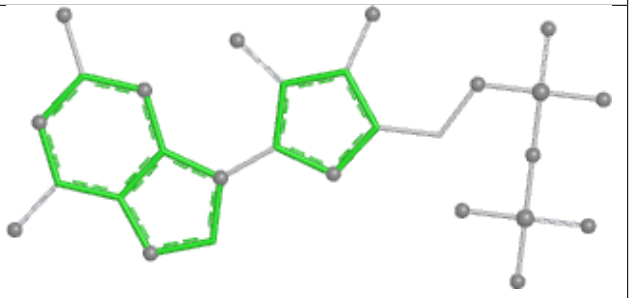


Torsions

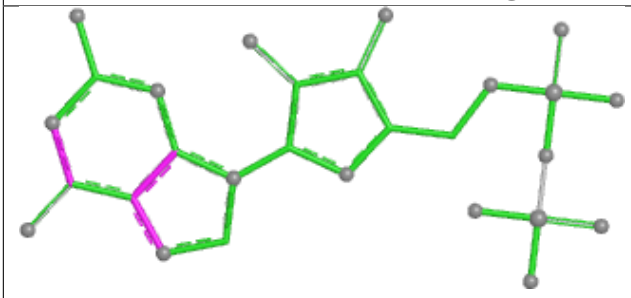


Rings

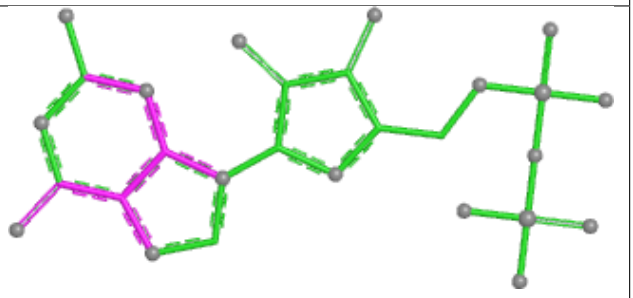
Ligand GDP ZE 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP FF 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

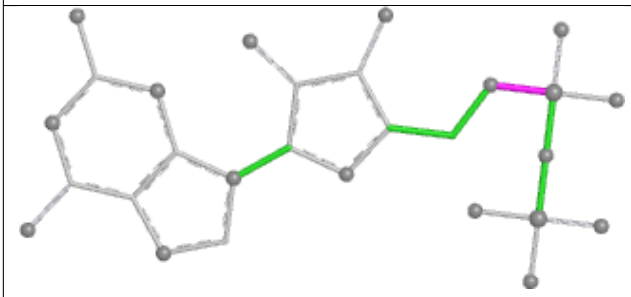
Ligand GDP CW 501



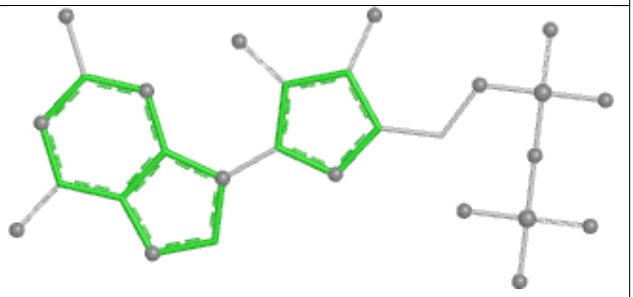
Bond lengths



Bond angles

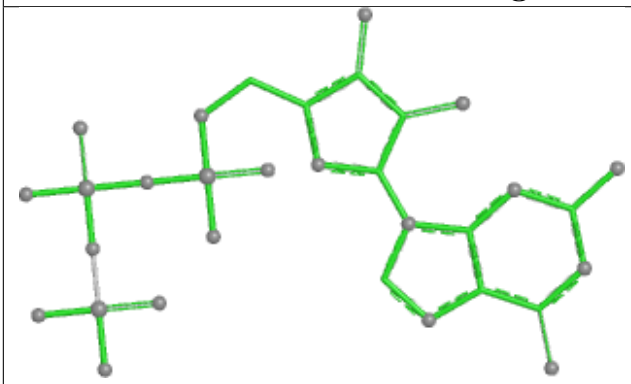


Torsions

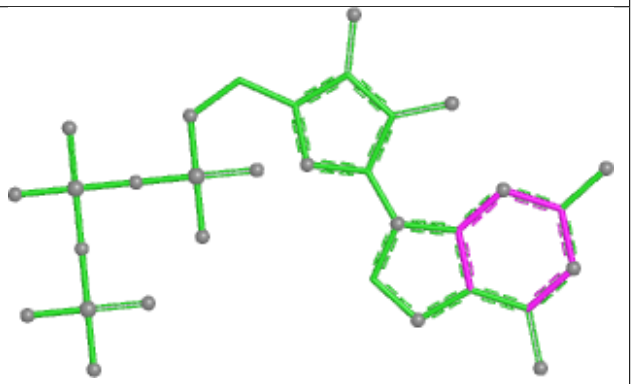


Rings

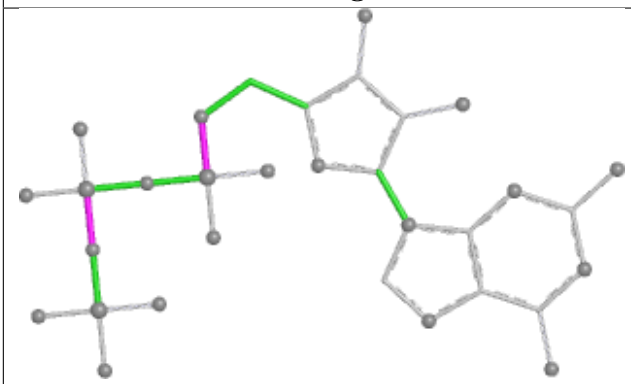
Ligand GTP WI 602



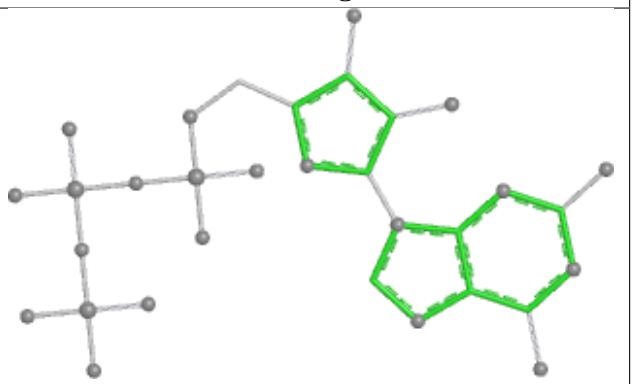
Bond lengths



Bond angles

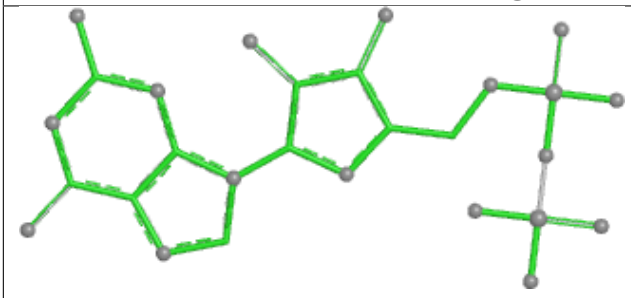


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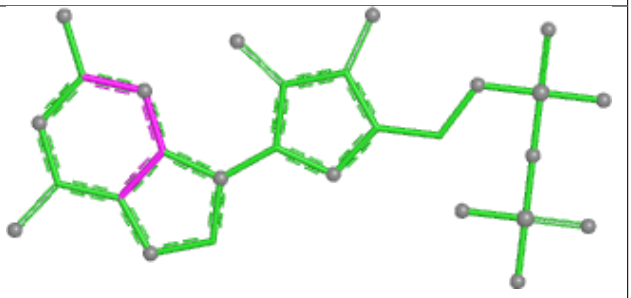


Rings

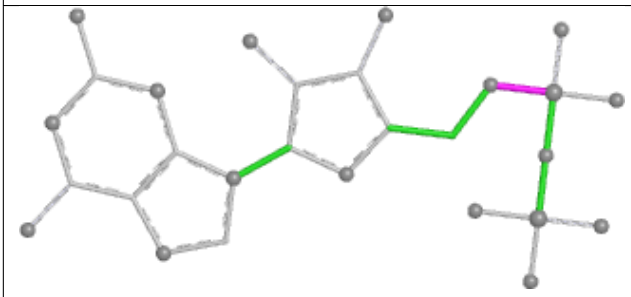
Ligand GDP NE 501



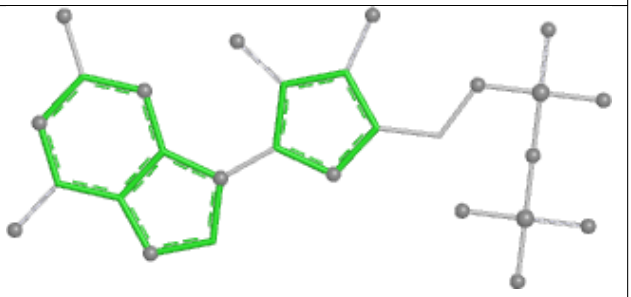
Bond lengths



Bond angles

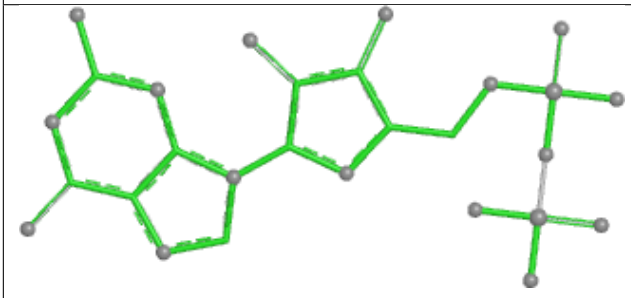


Torsions

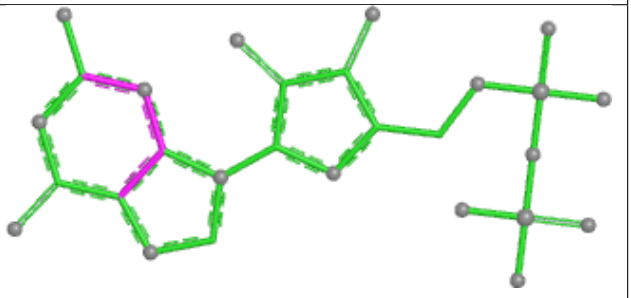


Rings

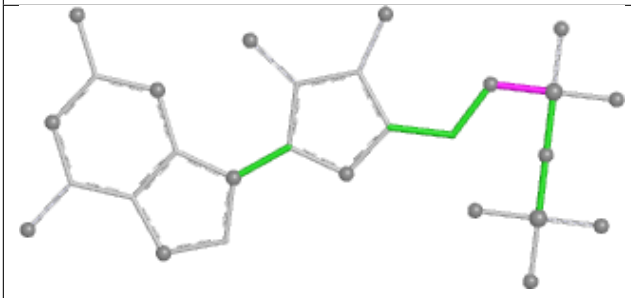
Ligand GDP FJ 501



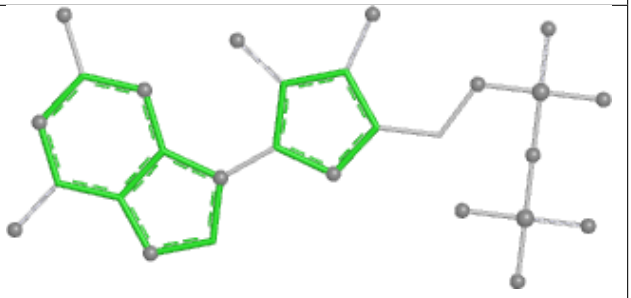
Bond lengths



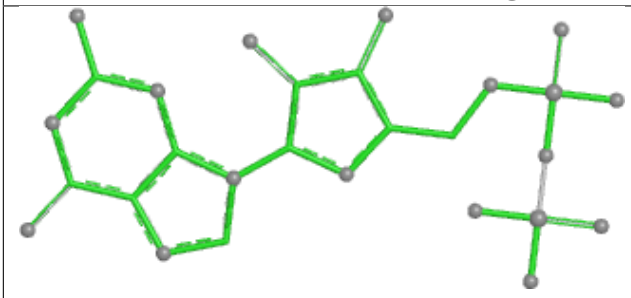
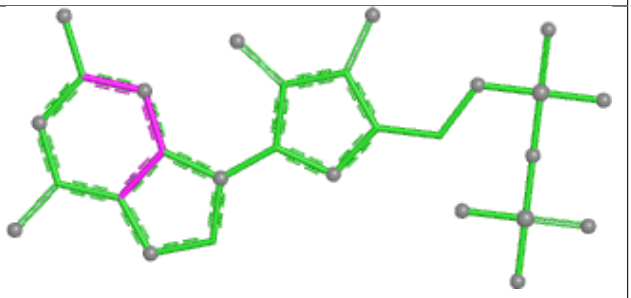
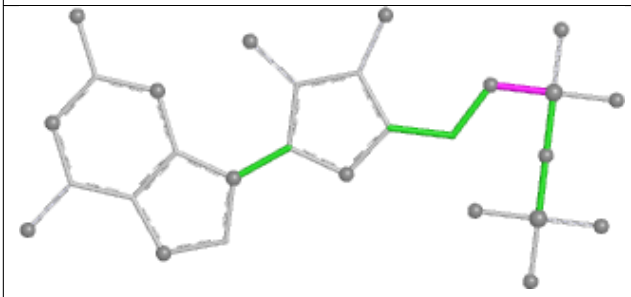
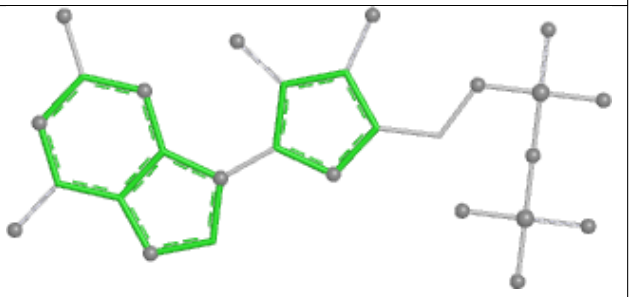
Bond angles

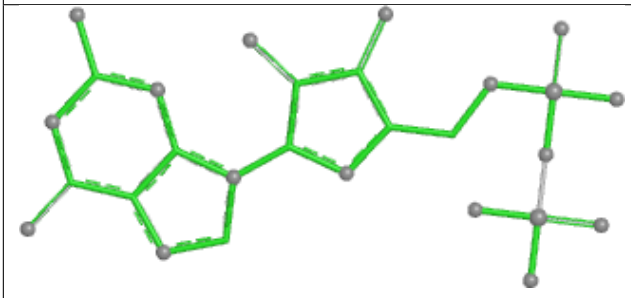
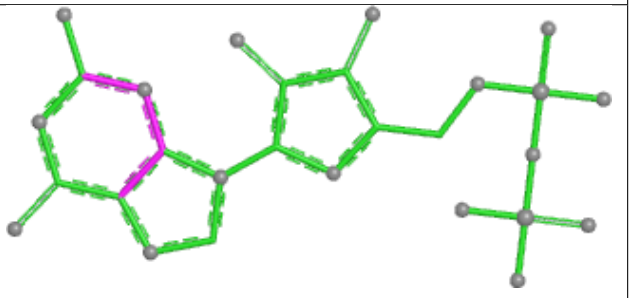
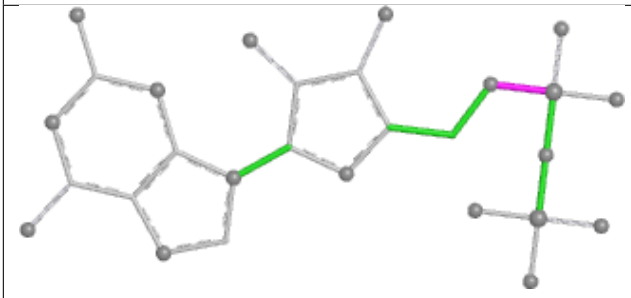
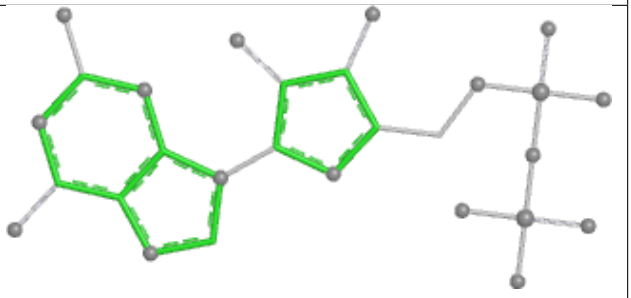


Torsions

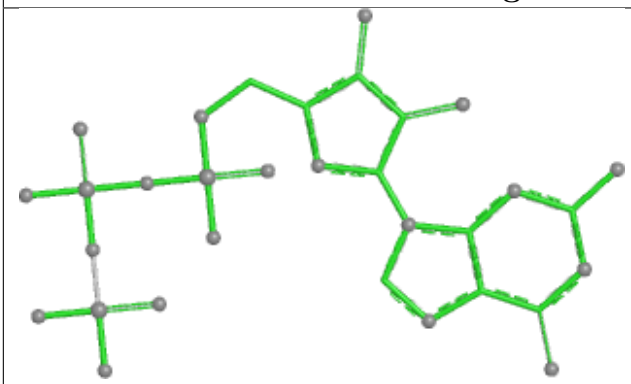


Rings

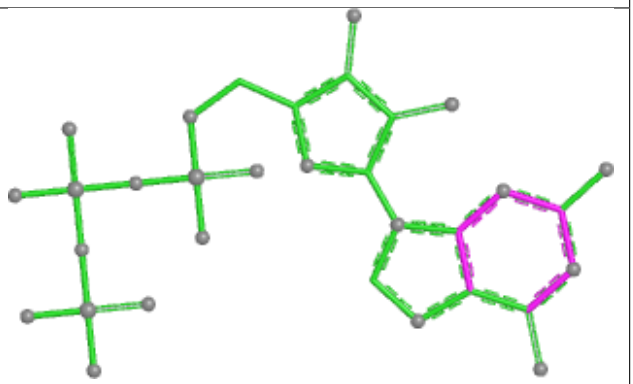
Ligand GDP NM 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Aa 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

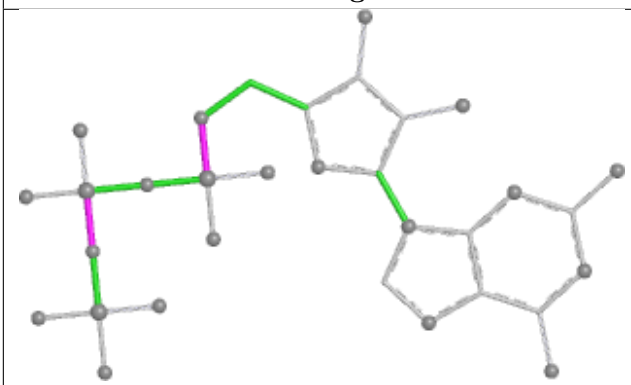
Ligand GTP HW 501



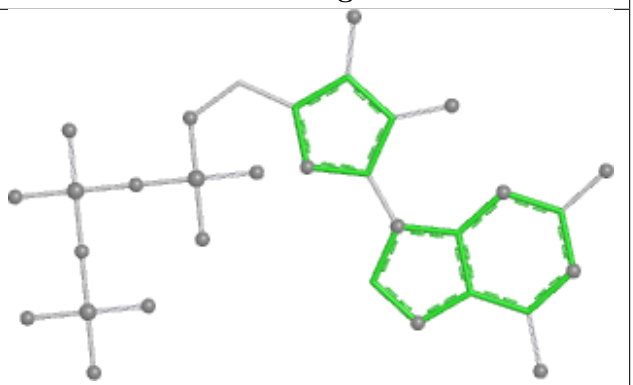
Bond lengths



Bond angles

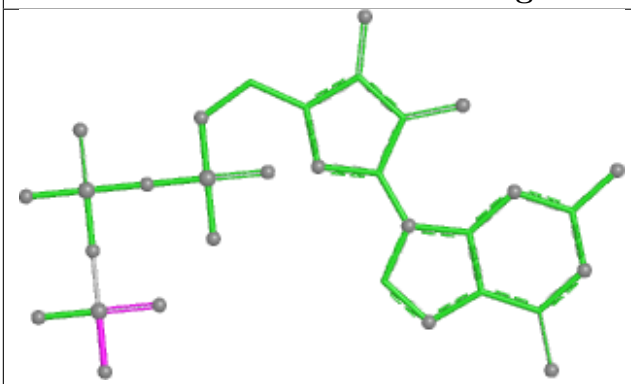


Torsions

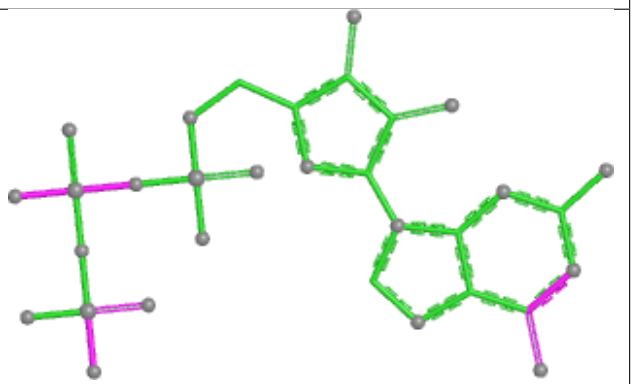


Rings

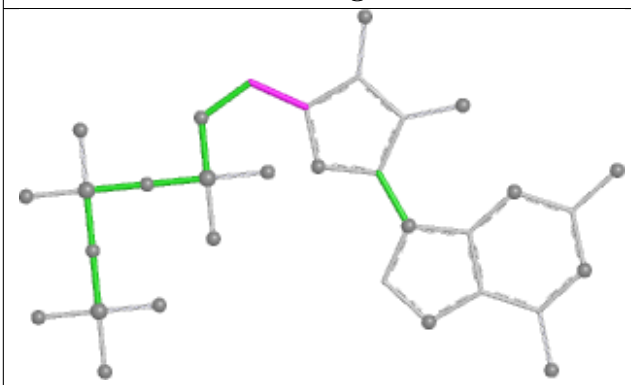
Ligand GTP SS 602



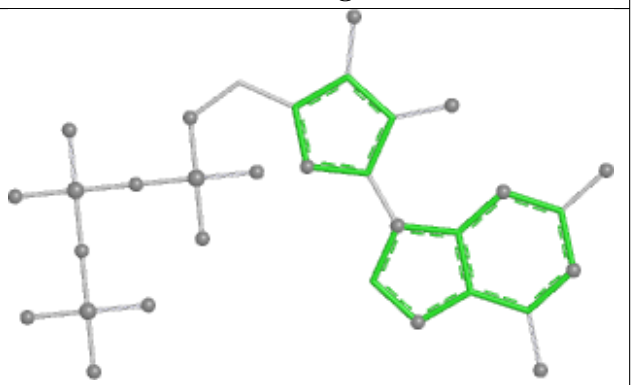
Bond lengths



Bond angles

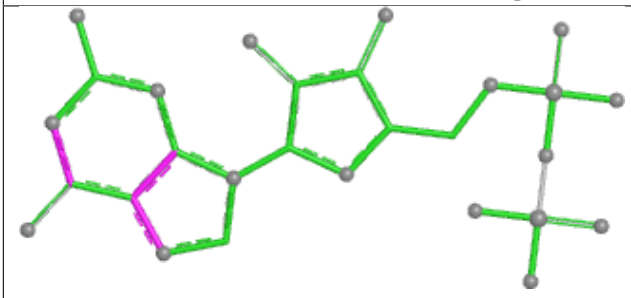


Torsions

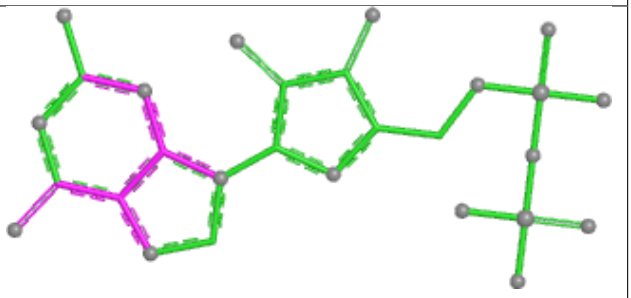


Rings

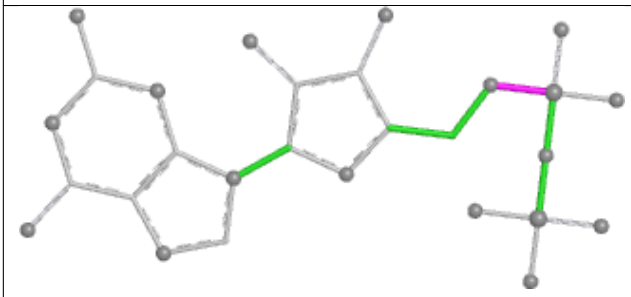
Ligand GDP BC 501



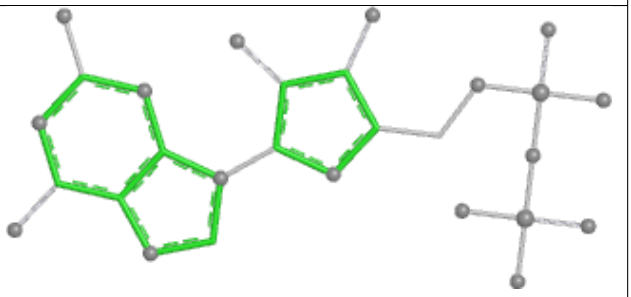
Bond lengths



Bond angles

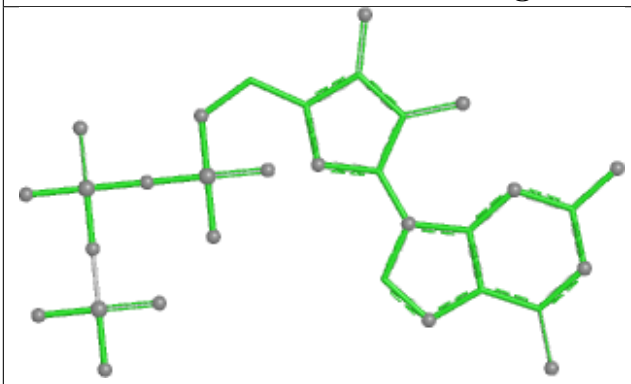


Torsions

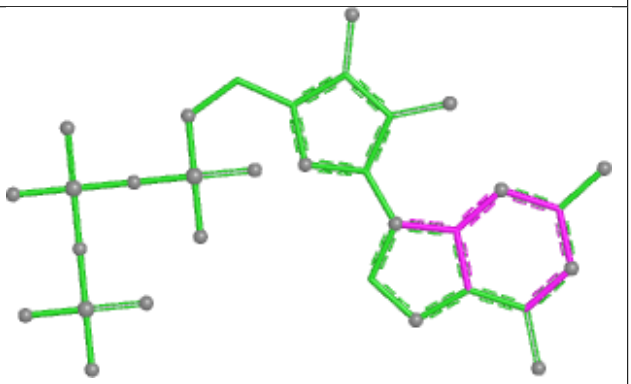


Rings

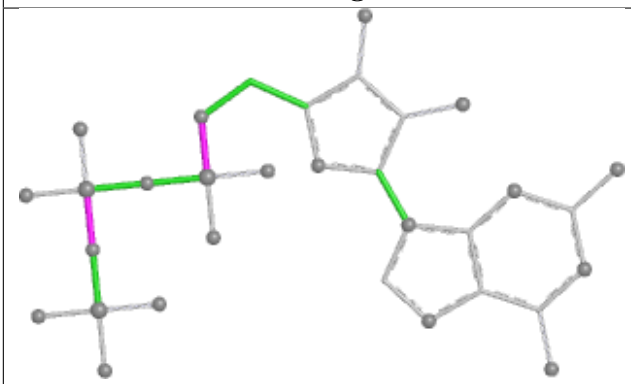
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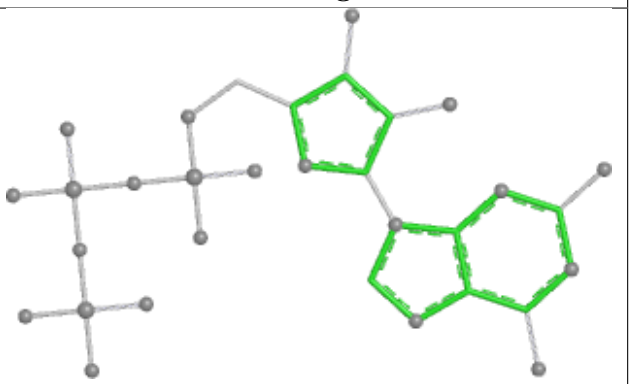
Bond lengths



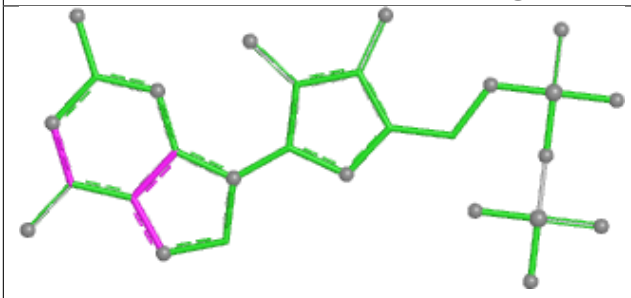
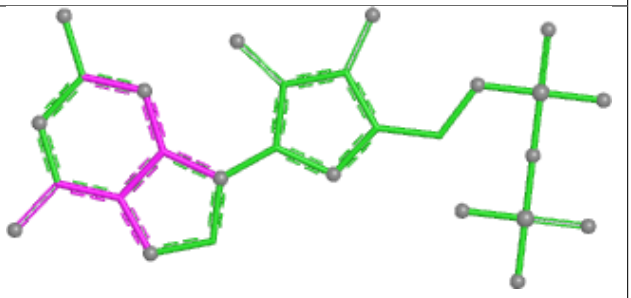
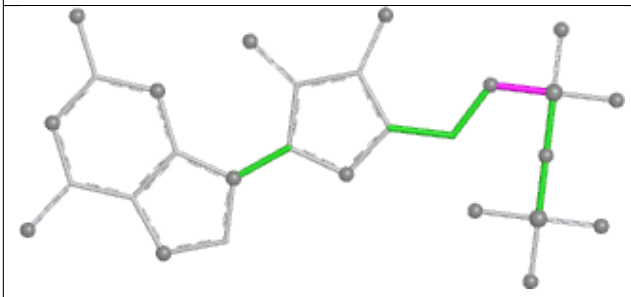
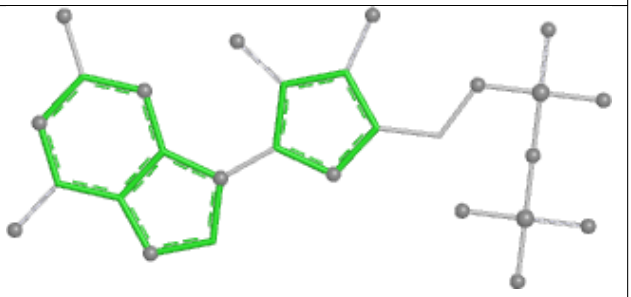
Bond angles

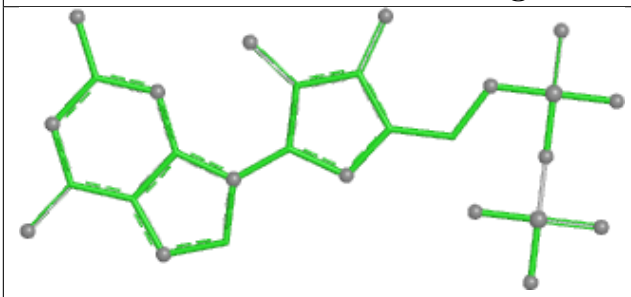
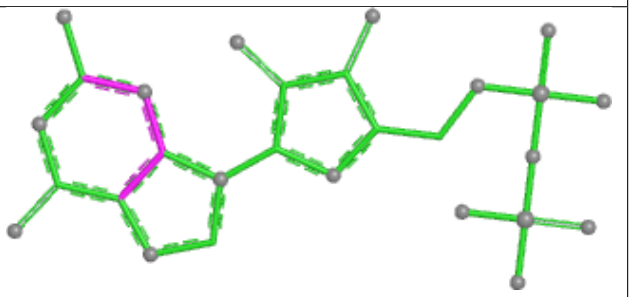
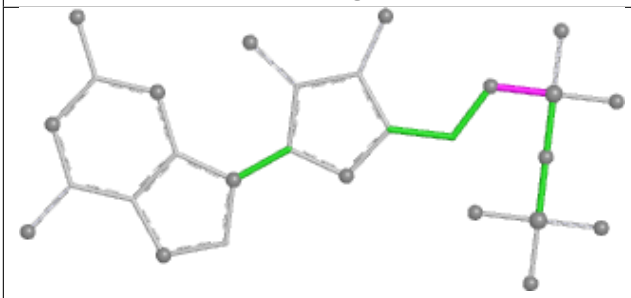
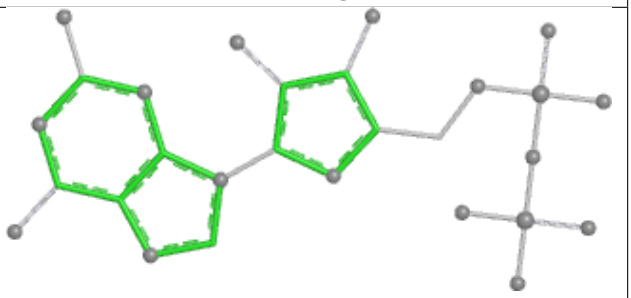


Torsions

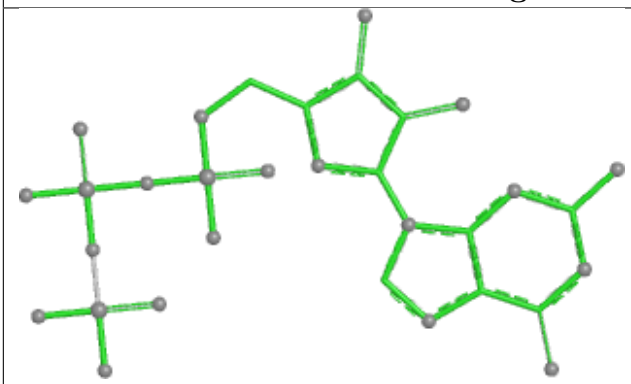


Rings

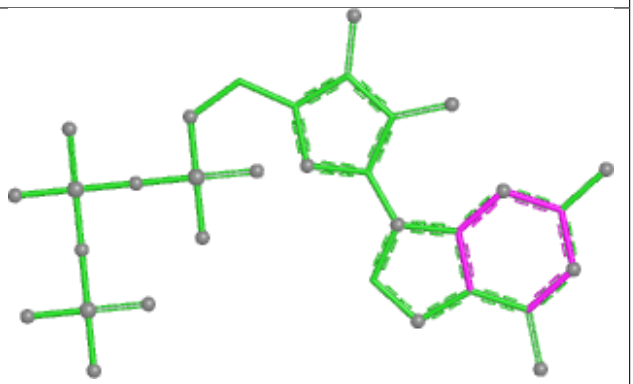
Ligand GDP ER 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP LG 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

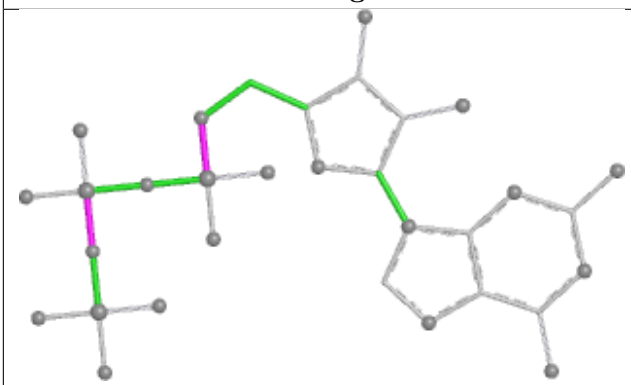
Ligand GTP TO 501



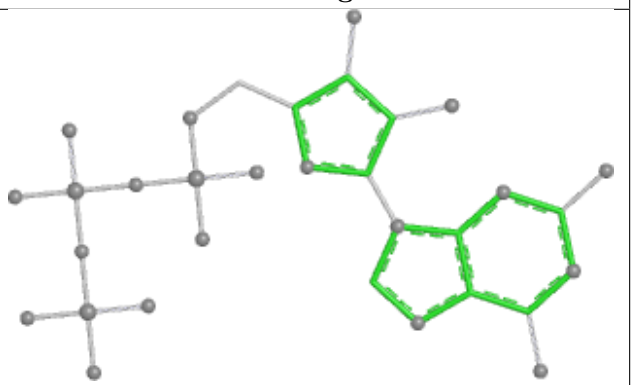
Bond lengths



Bond angles

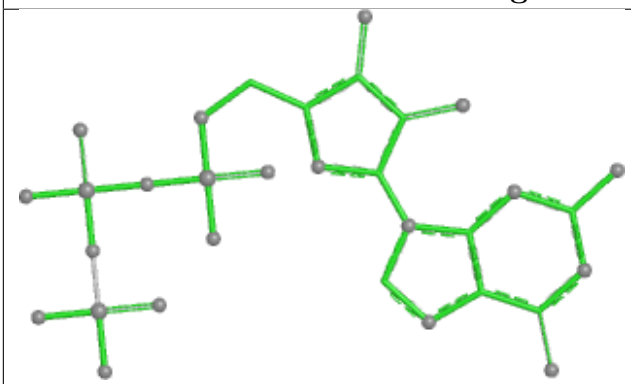


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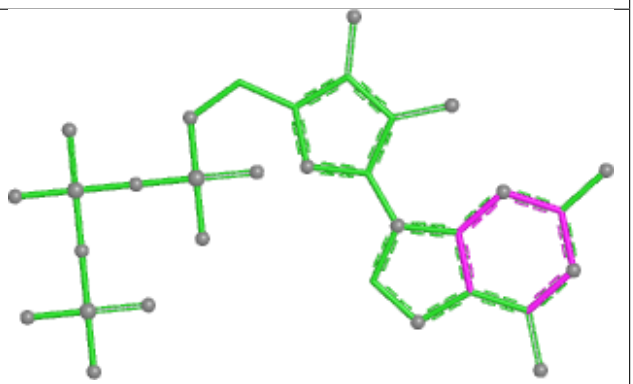


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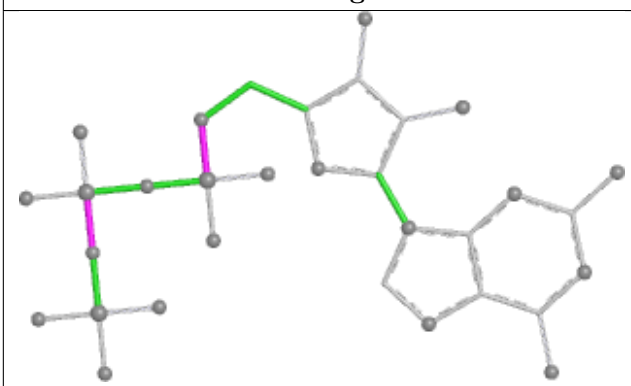
Ligand GTP FK 501



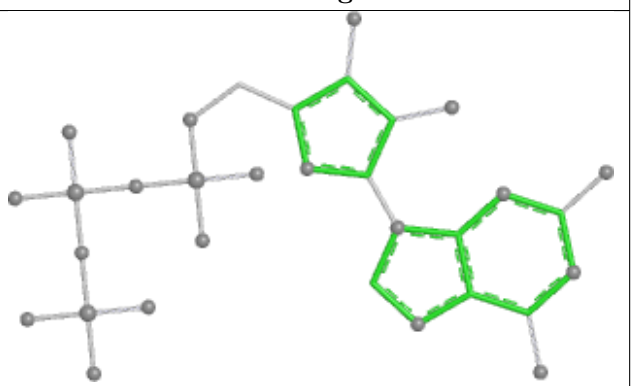
Bond lengths



Bond angles

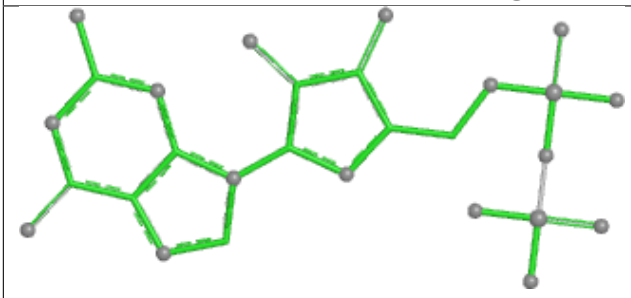


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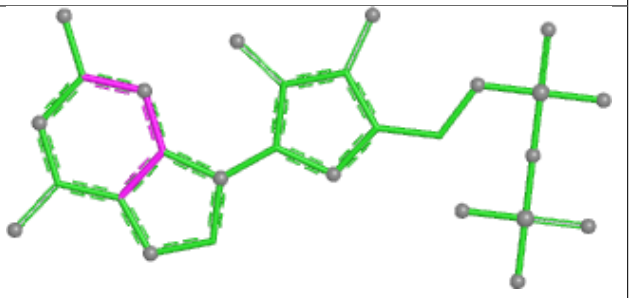


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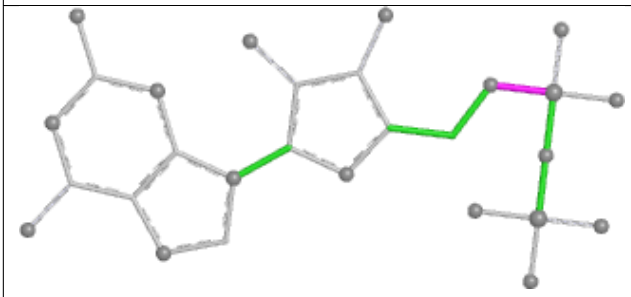
Ligand GDP CY 501



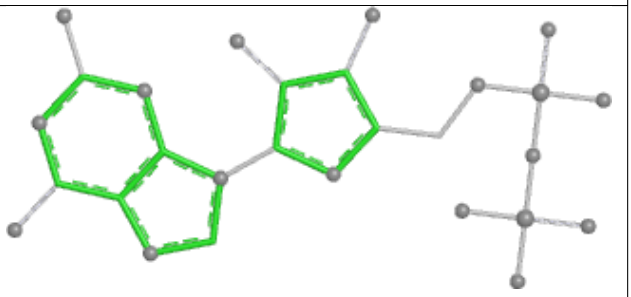
Bond lengths



Bond angles

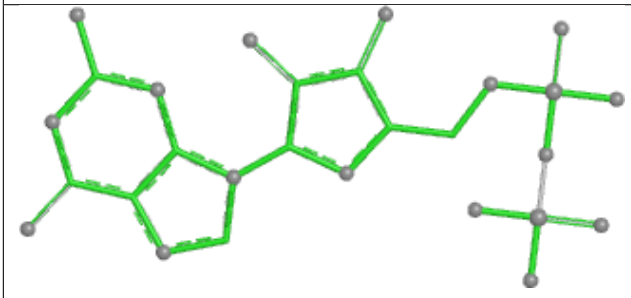


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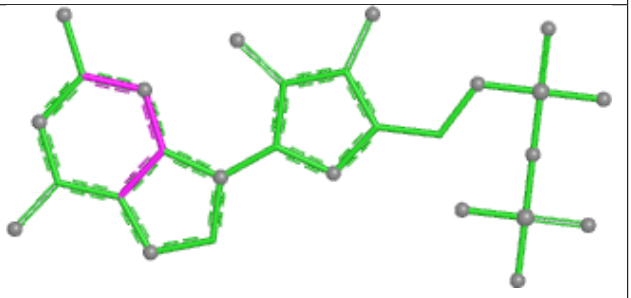


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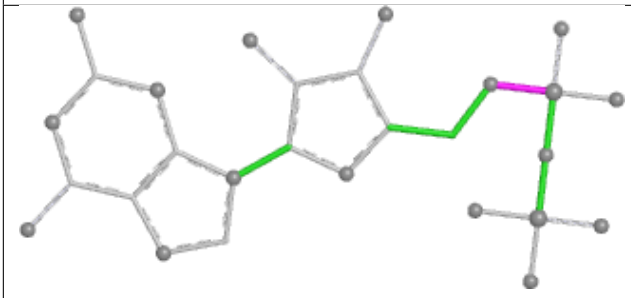
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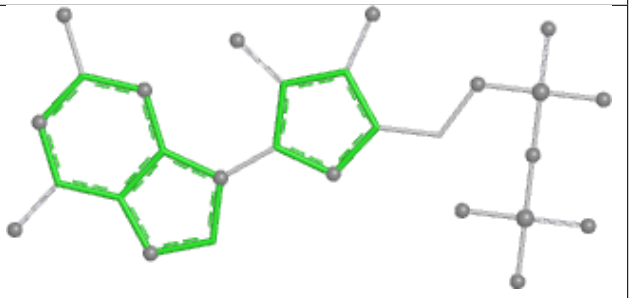
Bond lengths



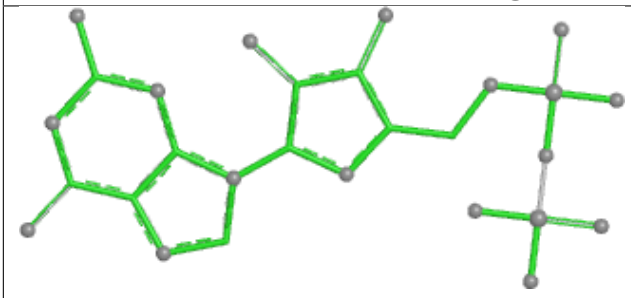
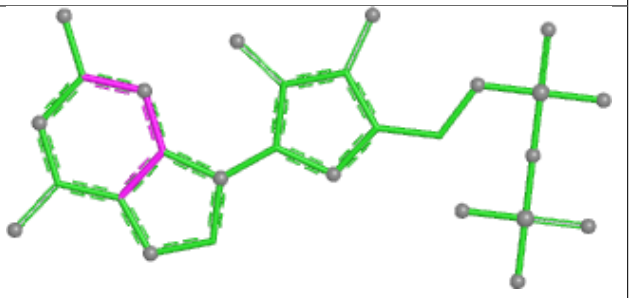
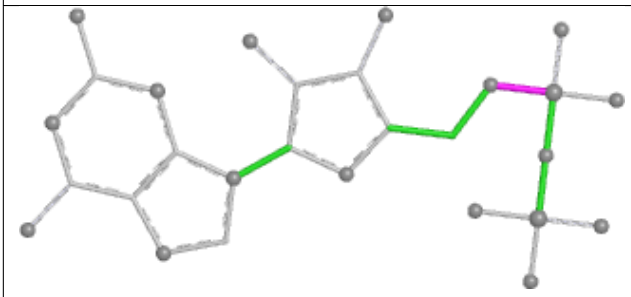
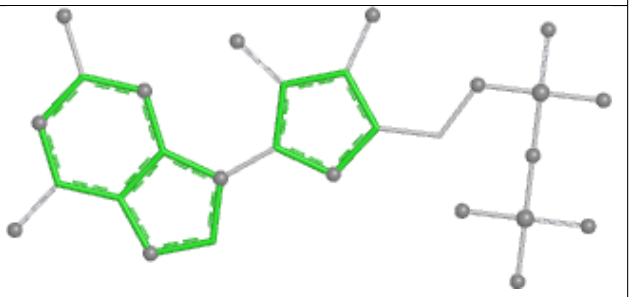
Bond angles

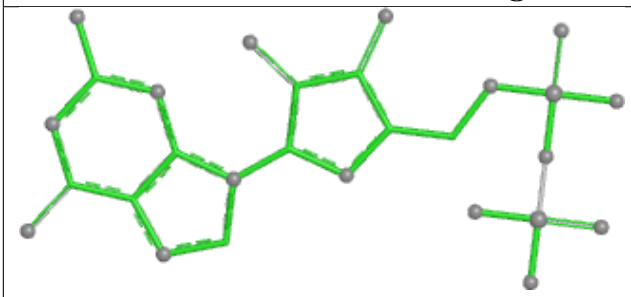
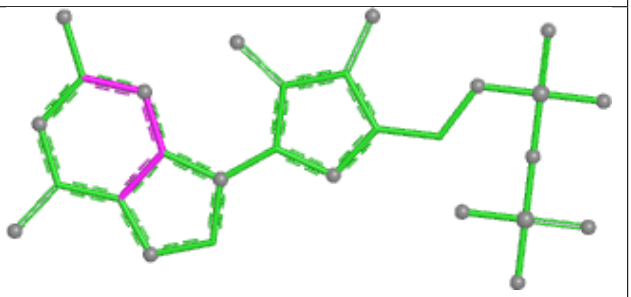
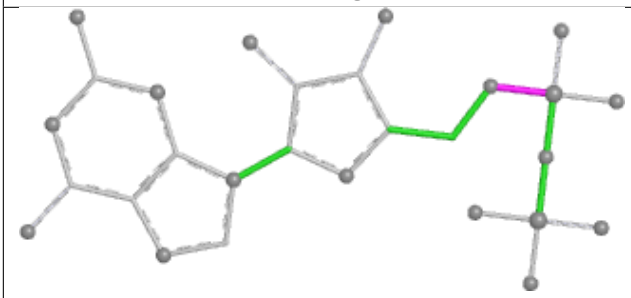
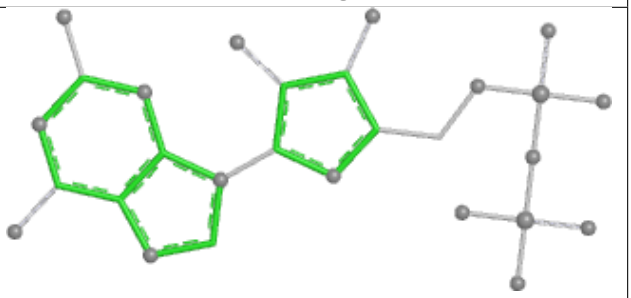


Torsions

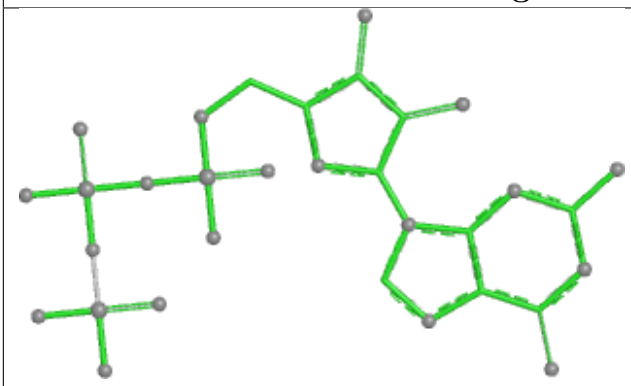


Rings

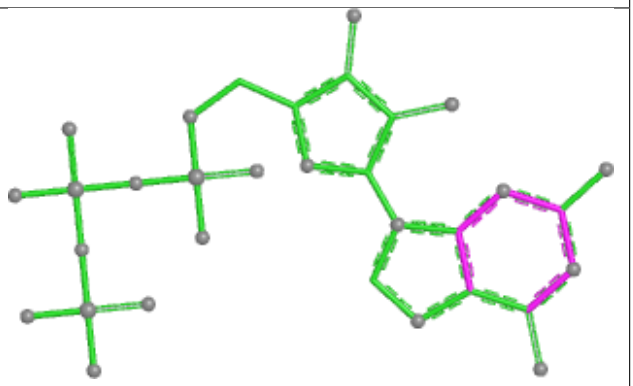
Ligand GDP LM 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP TH 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

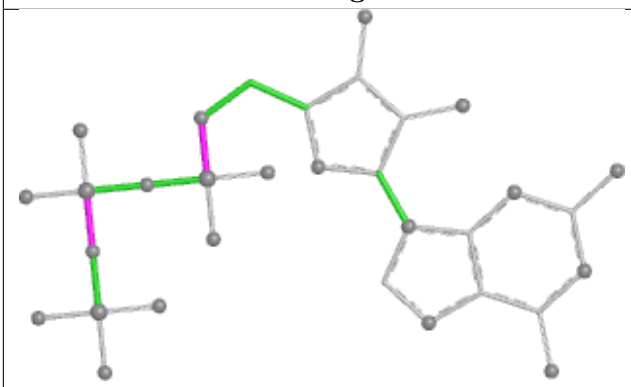
Ligand GTP ZP 501



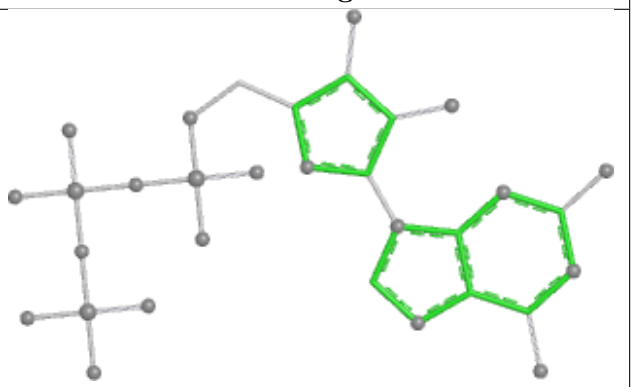
Bond lengths



Bond angles

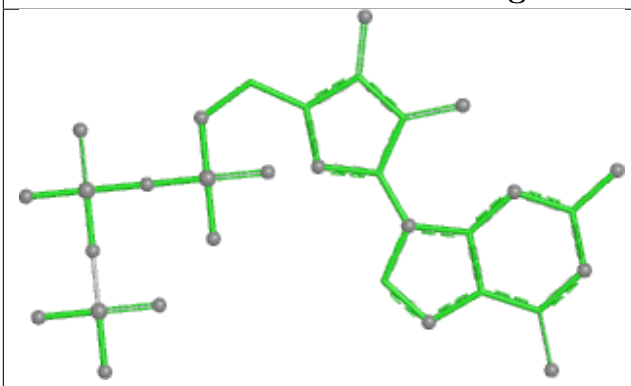


Torsions

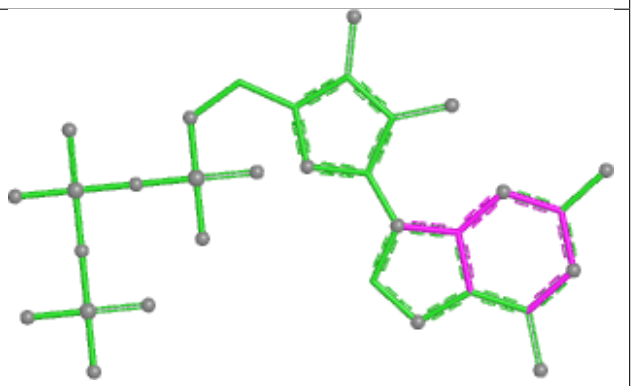


Rings

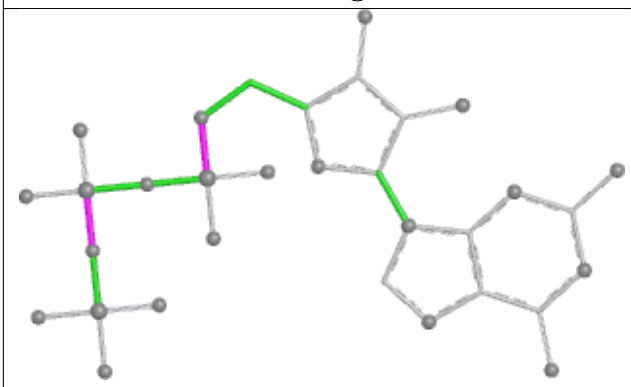
Ligand GTP NR 502



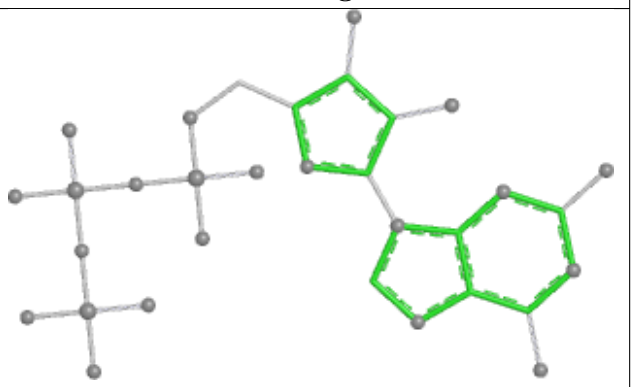
Bond lengths



Bond angles

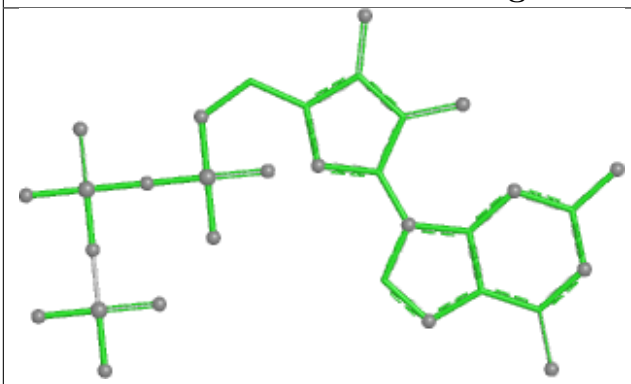


Torsions

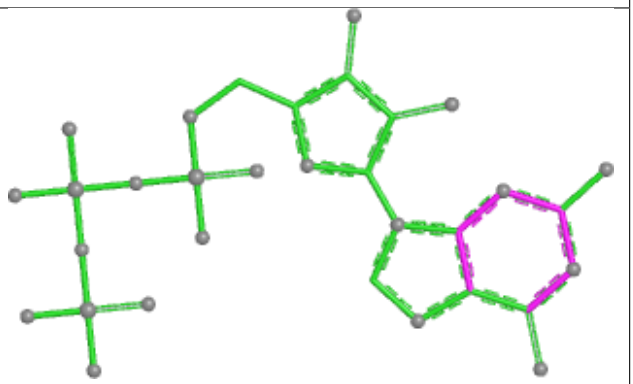


Rings

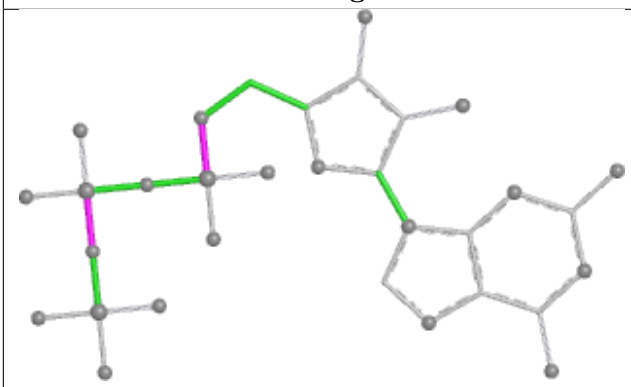
Ligand GTP ON 501



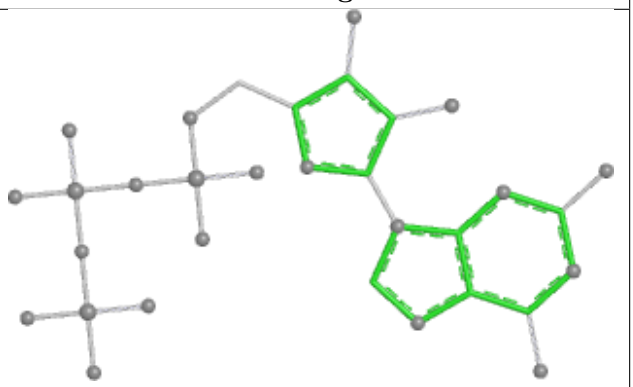
Bond lengths



Bond angles

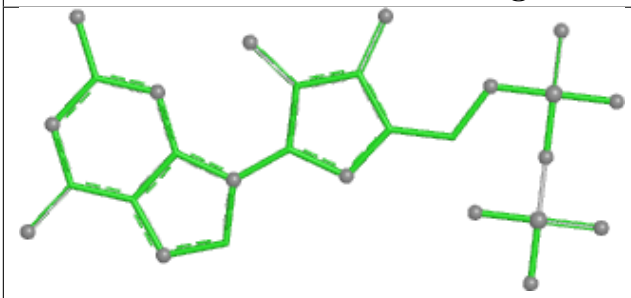


Torsions

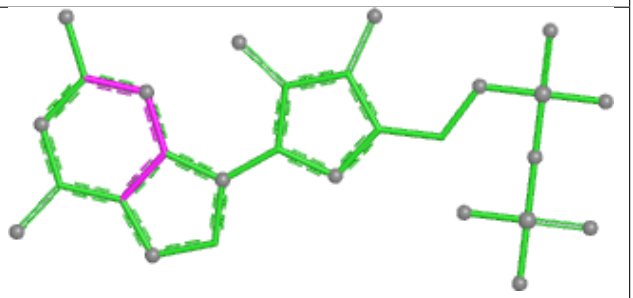


Rings

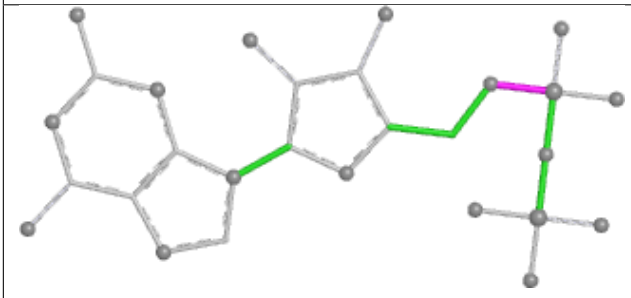
Ligand GDP XZ 501



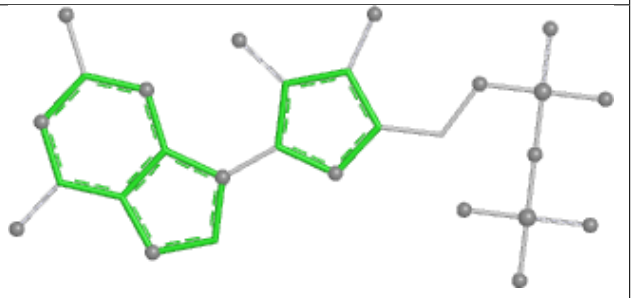
Bond lengths



Bond angles

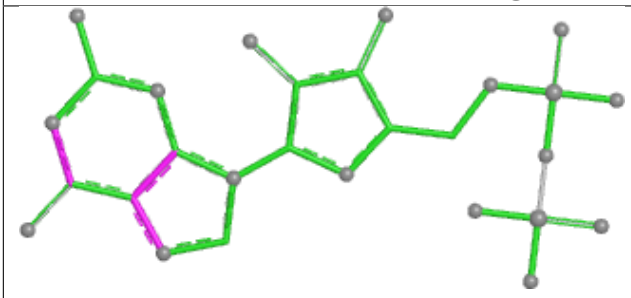


Torsions

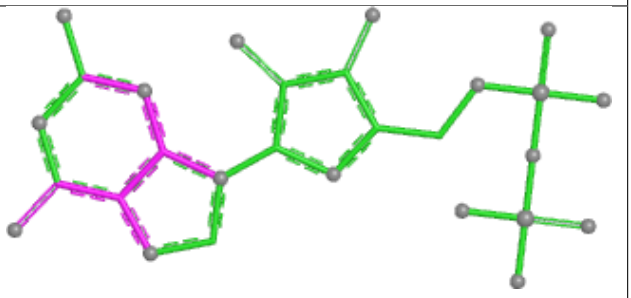


Rings

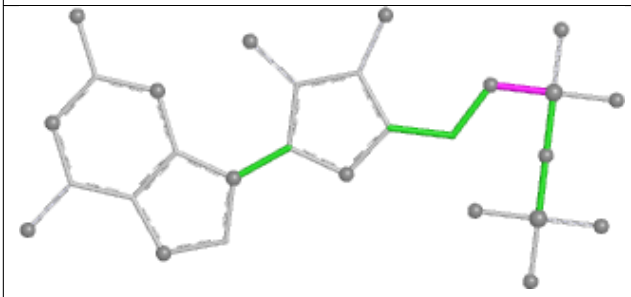
Ligand GDP CK 501



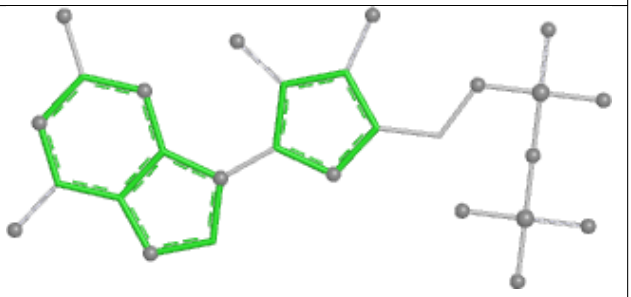
Bond lengths



Bond angles

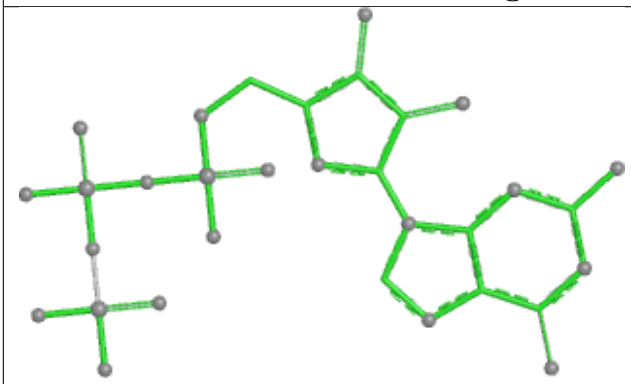


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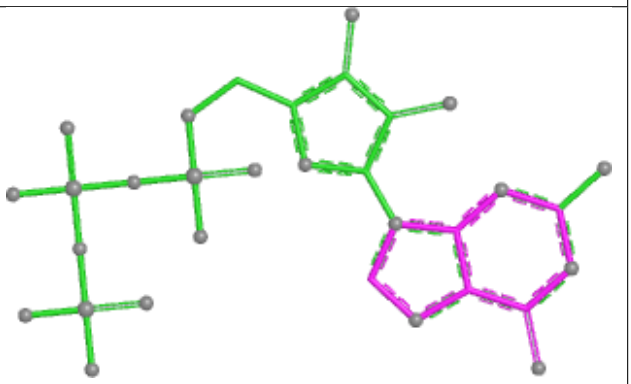


Rings

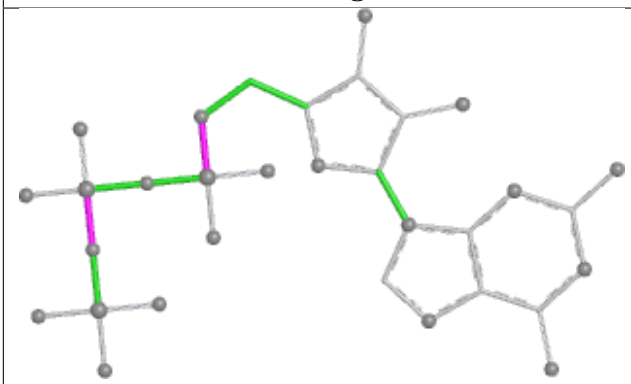
Ligand GTP DW 602



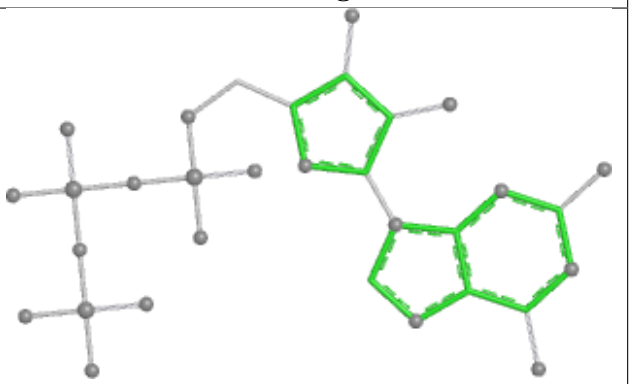
Bond lengths



Bond angles

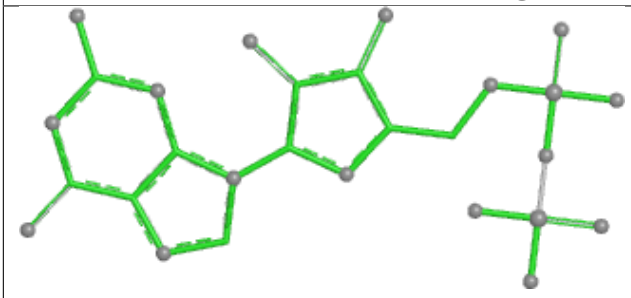


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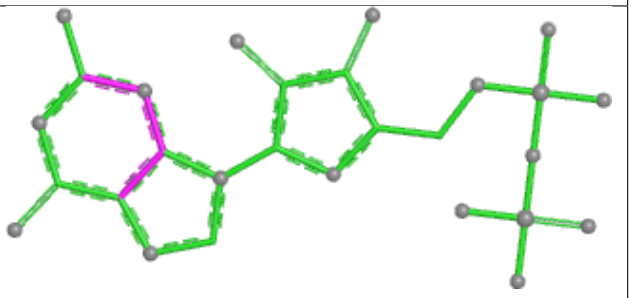


Rings

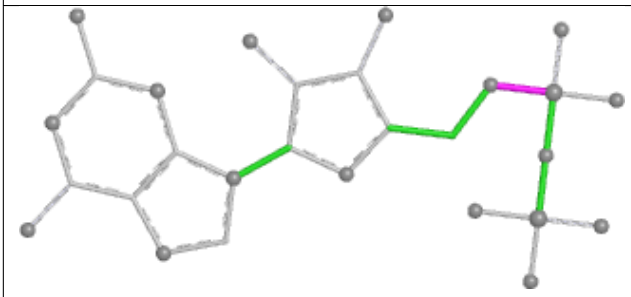
Ligand GDP EJ 501



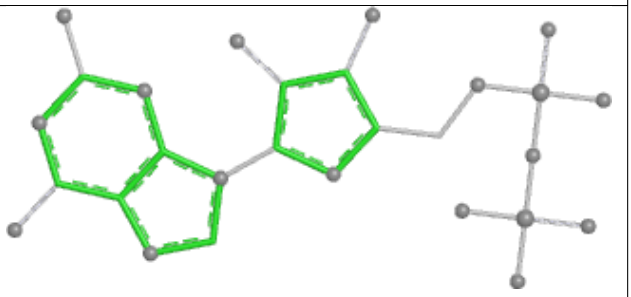
Bond lengths



Bond angles

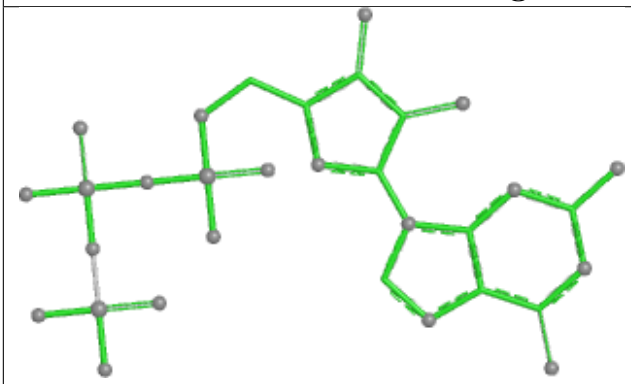


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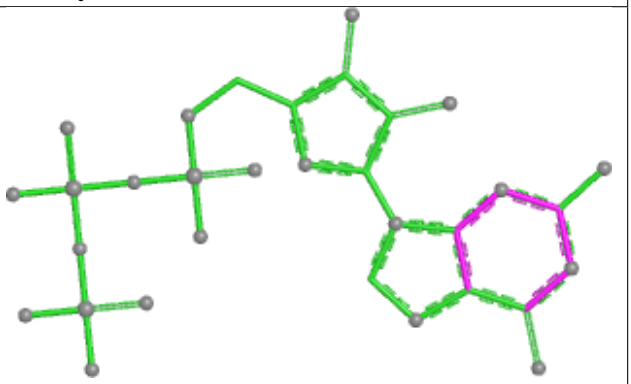


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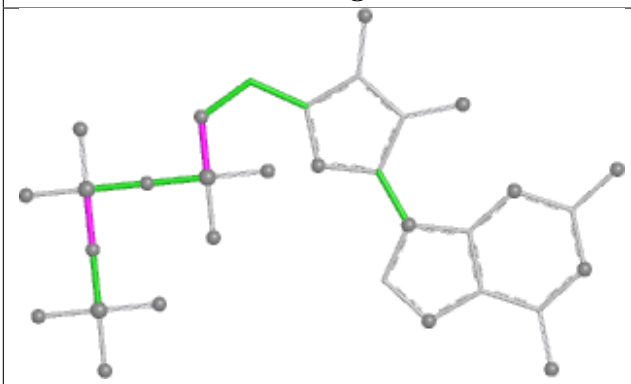
Ligand GTP TQ 602



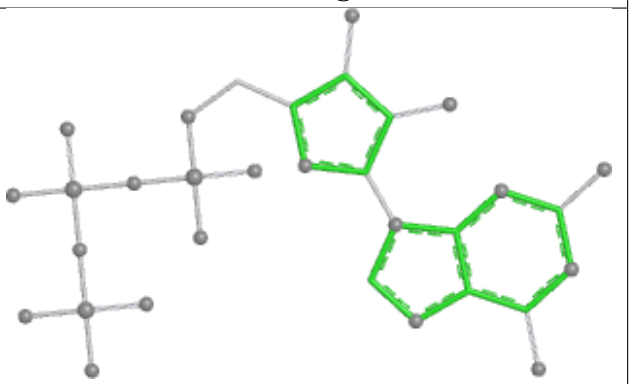
Bond lengths



Bond angles

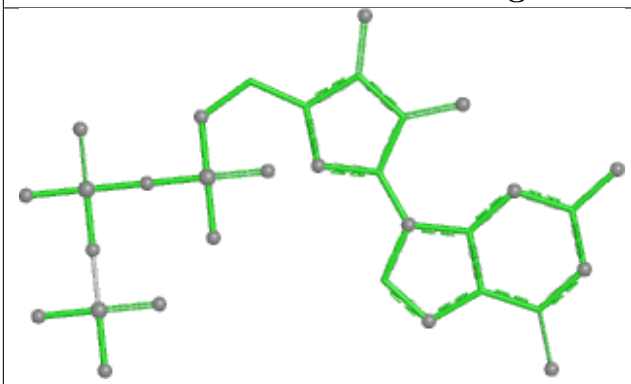


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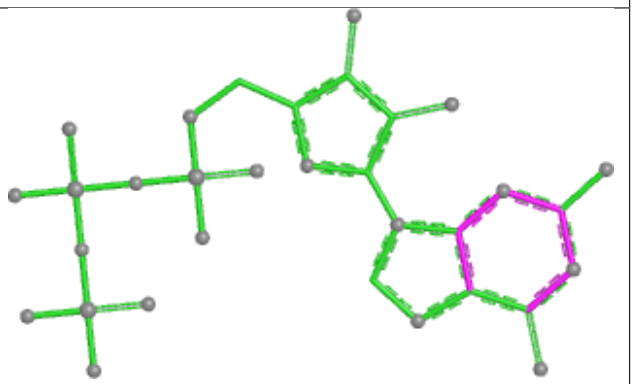


Rings

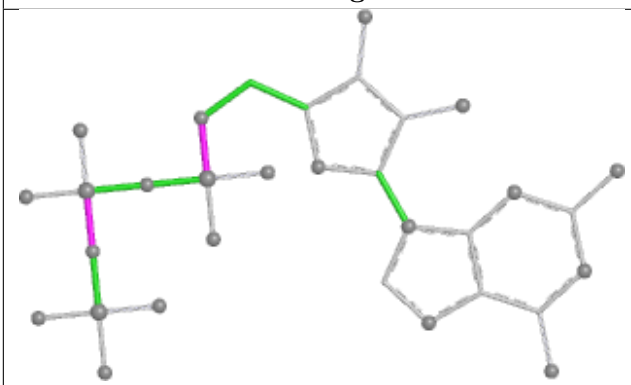
Ligand GTP NV 503



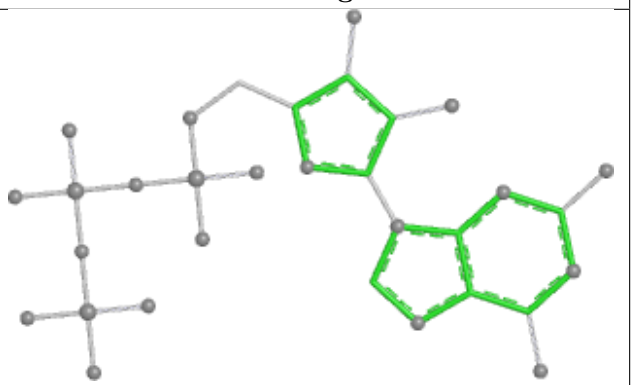
Bond lengths



Bond angles

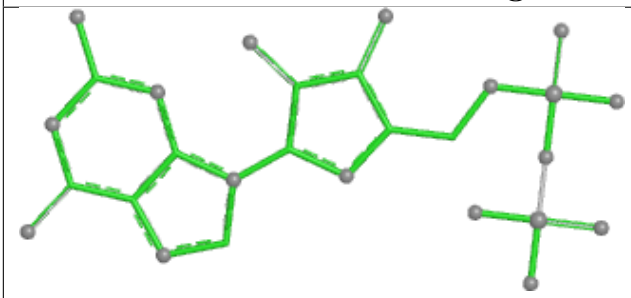


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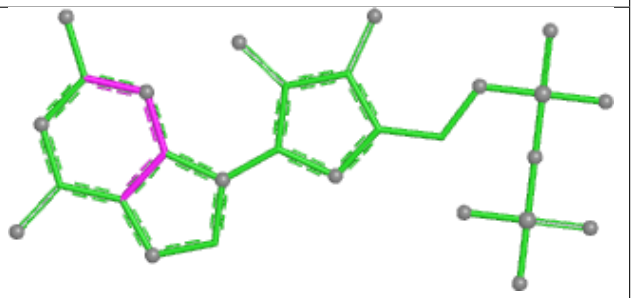


Rings

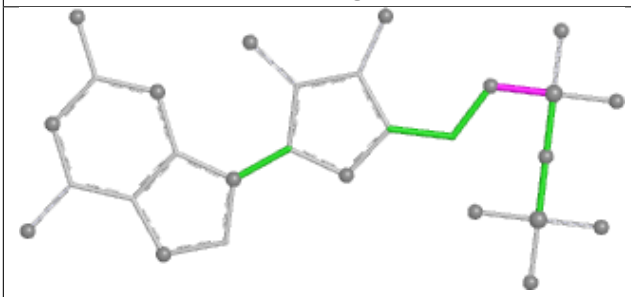
Ligand GDP VD 501



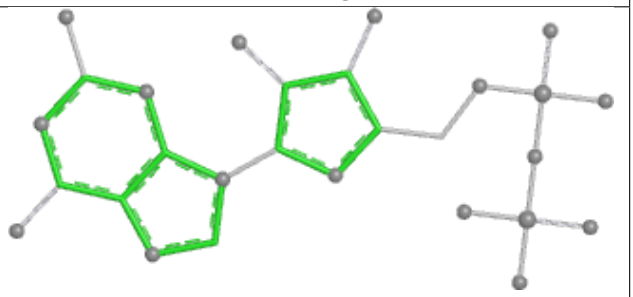
Bond lengths



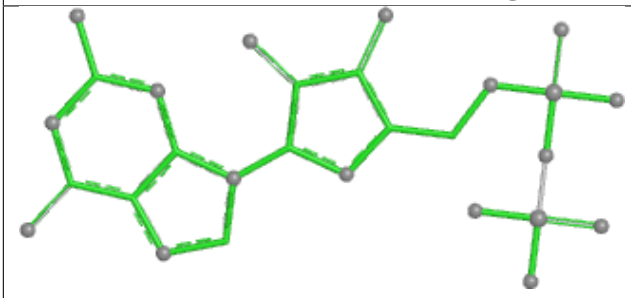
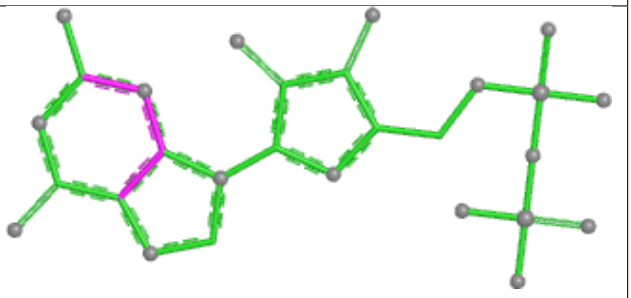
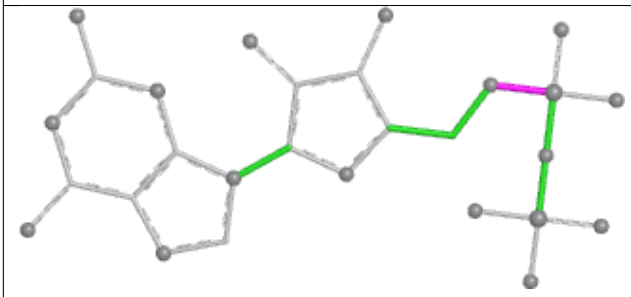
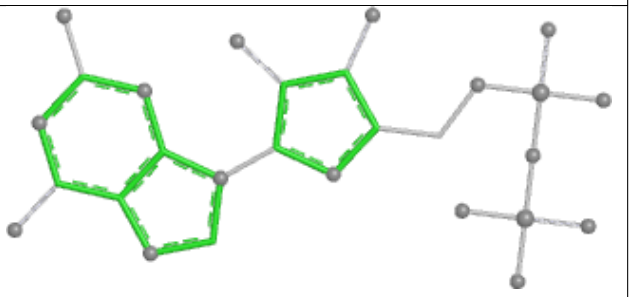
Bond angles

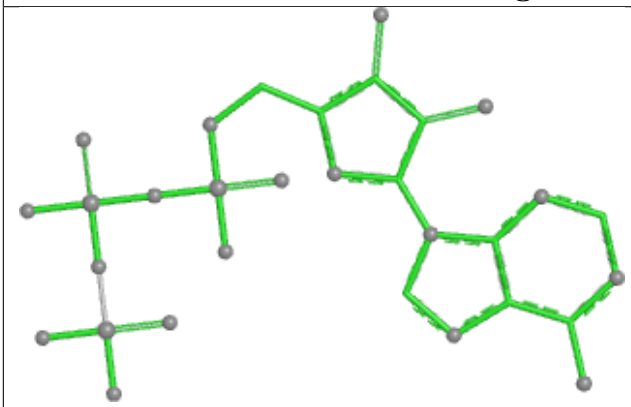
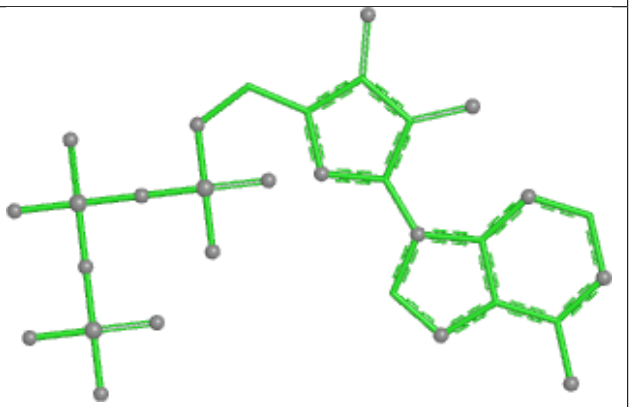
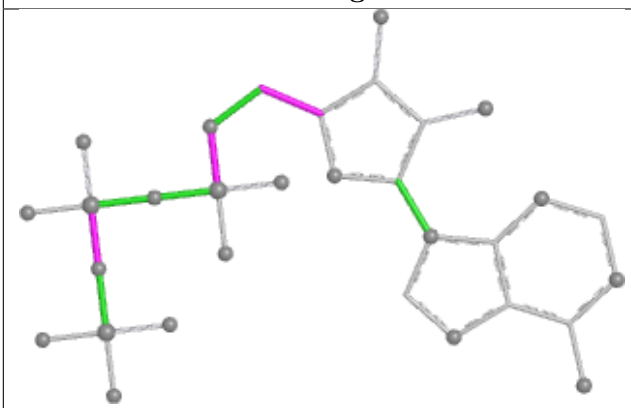
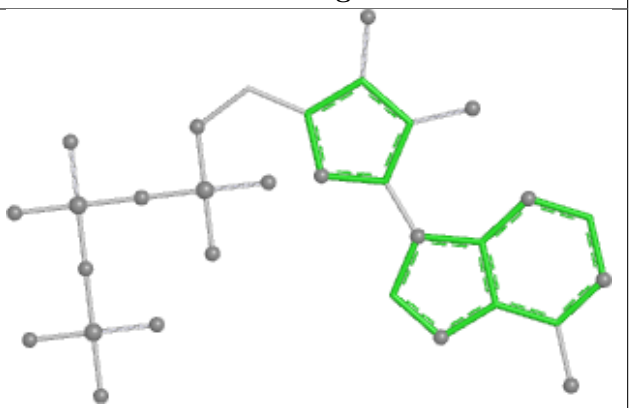


Torsions

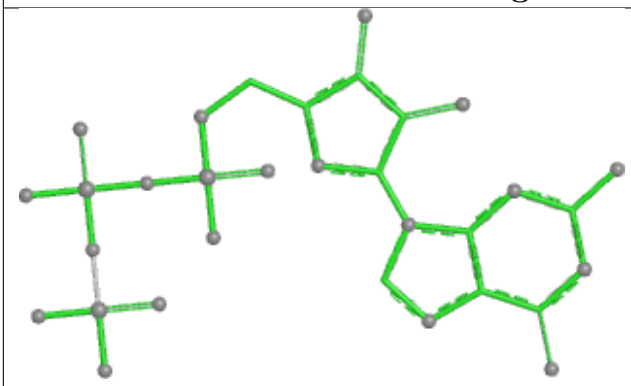


Rings

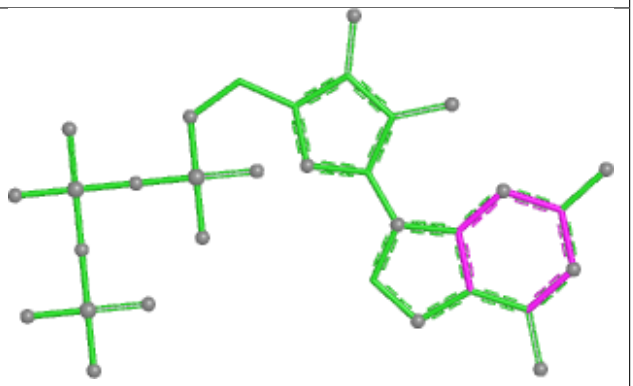
Ligand GDP AM 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand ATP 7f 4702	
 Bond lengths	 Bond angles
 Torsions	 Rings

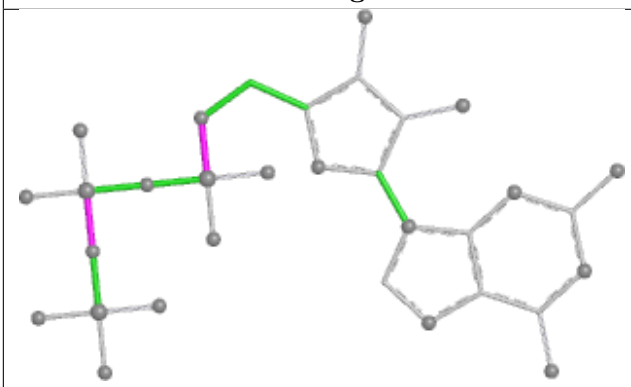
Ligand GTP FO 602



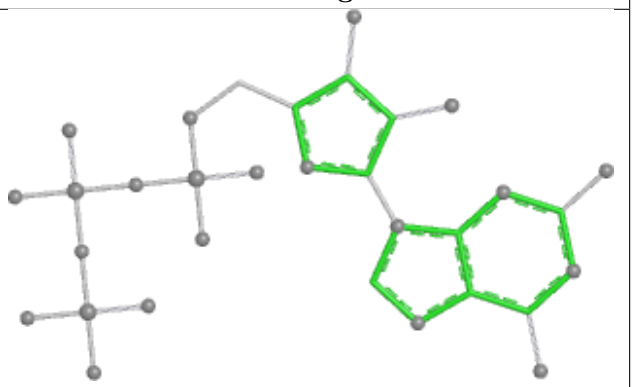
Bond lengths



Bond angles

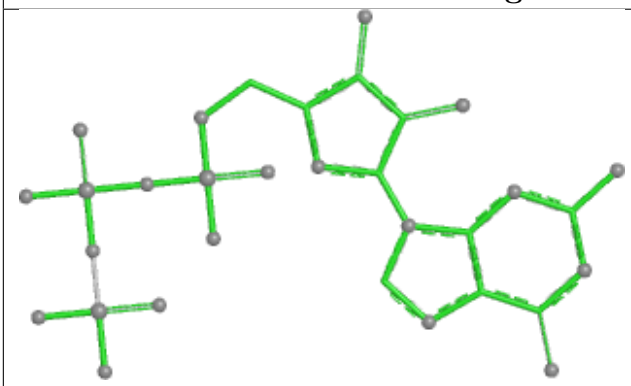


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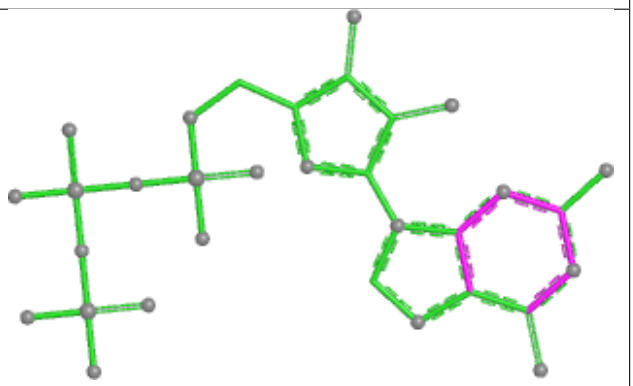


Rings

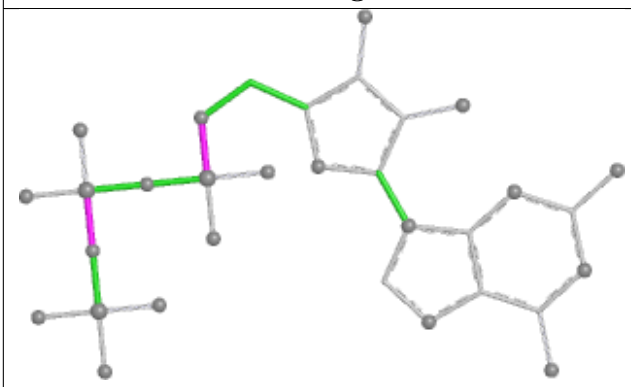
Ligand GTP MD 502



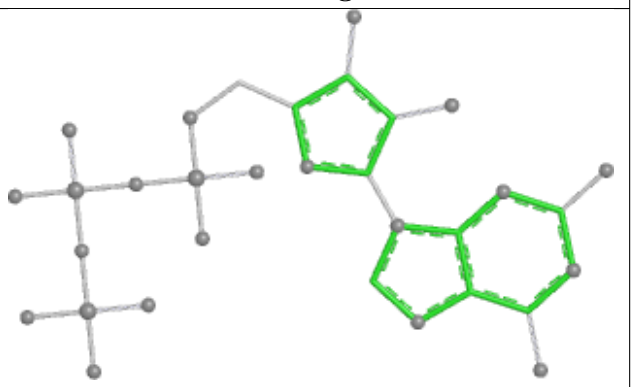
Bond lengths



Bond angles

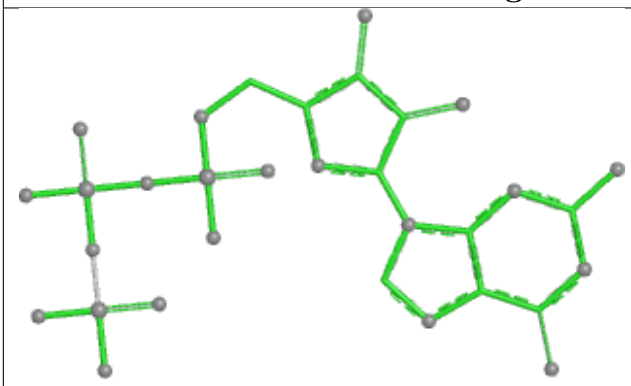


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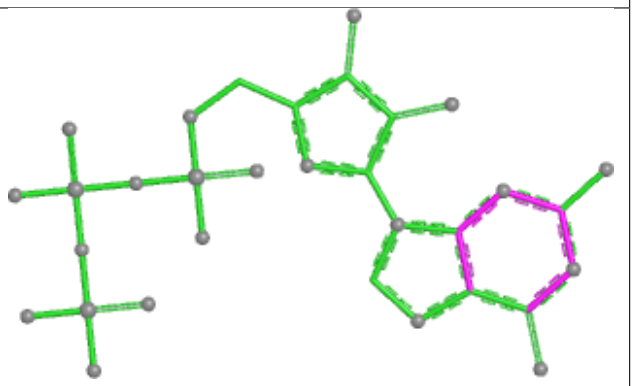


Rings

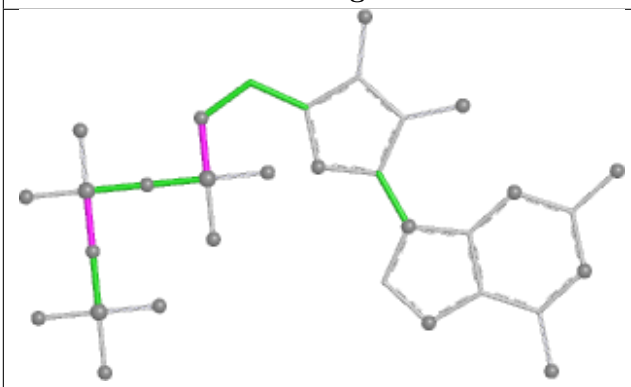
Ligand GTP MX 502



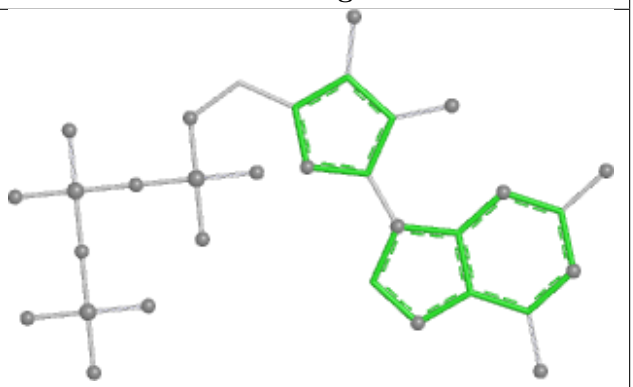
Bond lengths



Bond angles

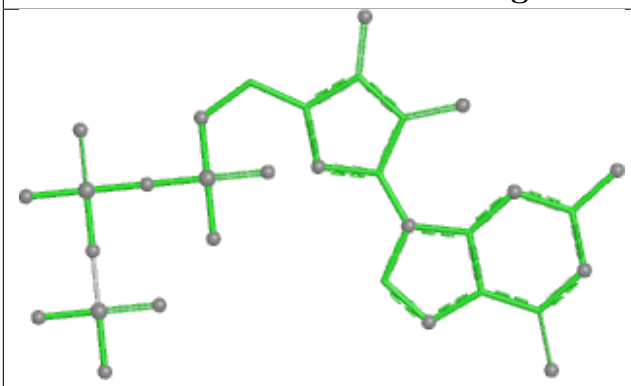


Torsions

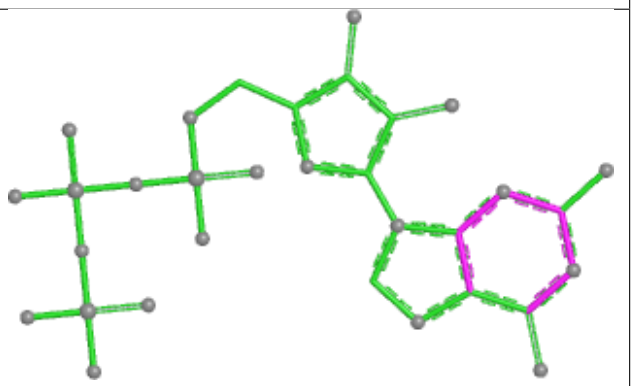


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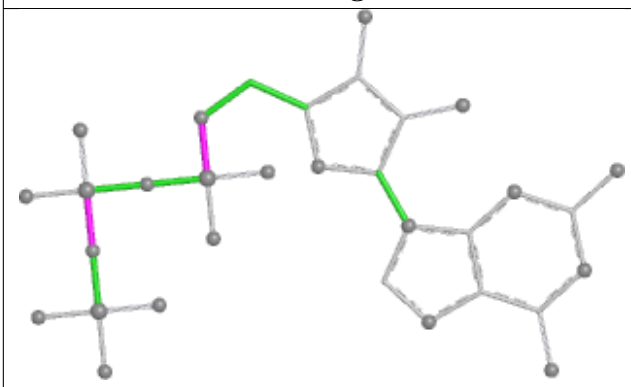
Ligand GTP KL 602



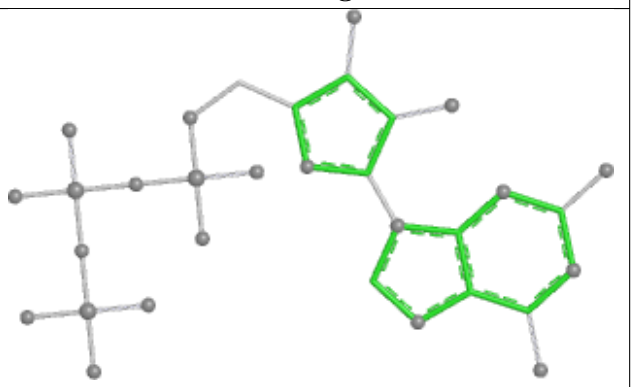
Bond lengths



Bond angles

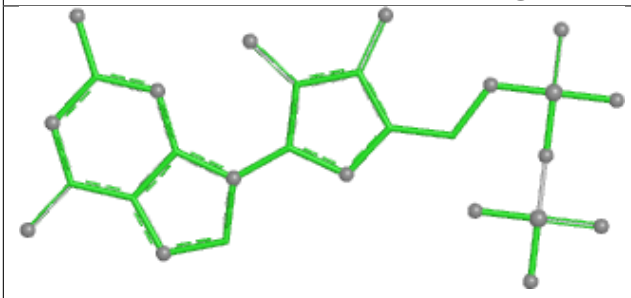


Torsions

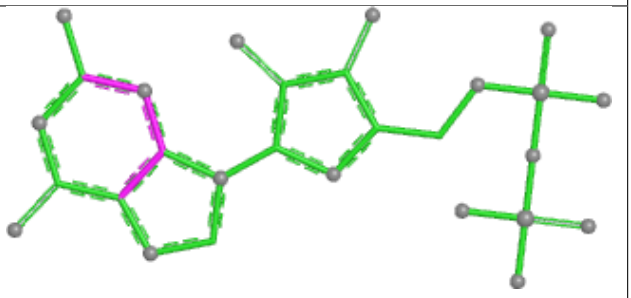


Rings

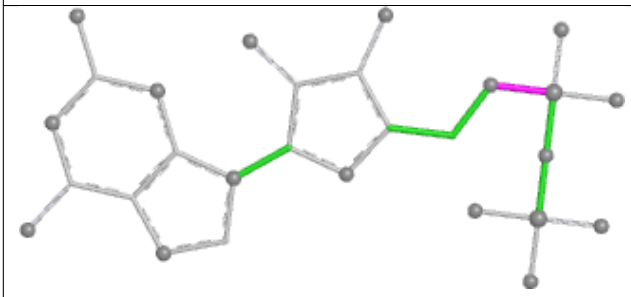
Ligand GDP TS 501



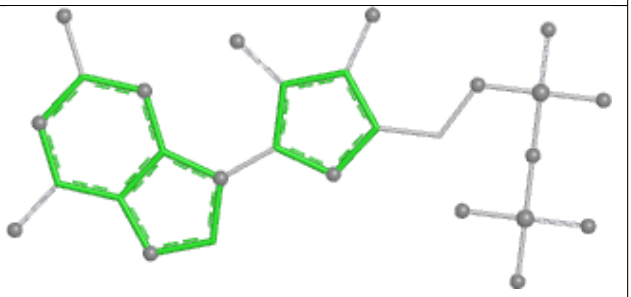
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Bond angles

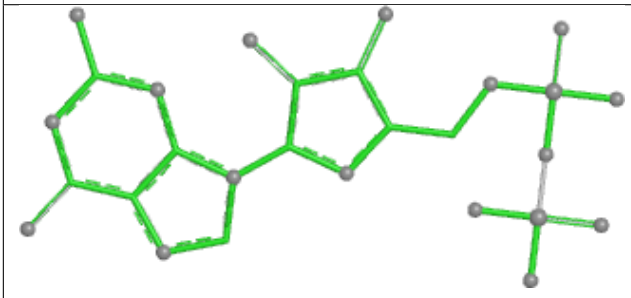


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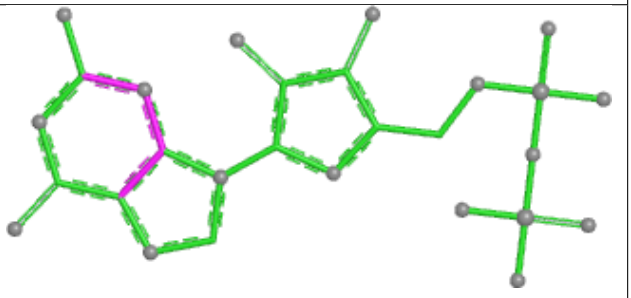


Rings

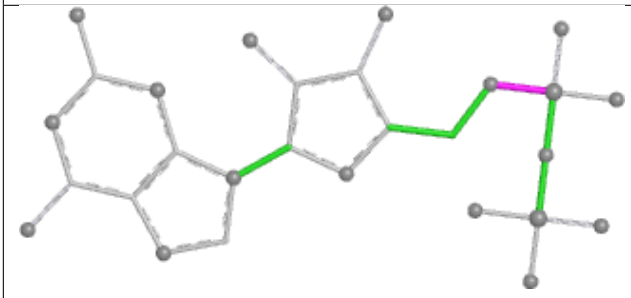
Ligand GDP FD 501



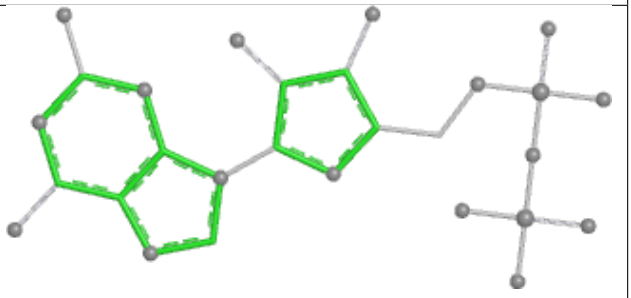
Bond lengths



Bond angles

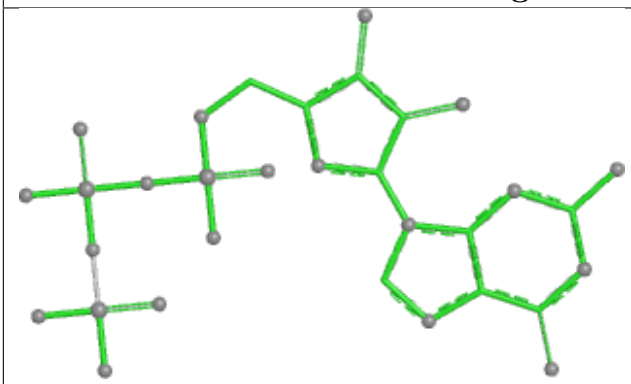


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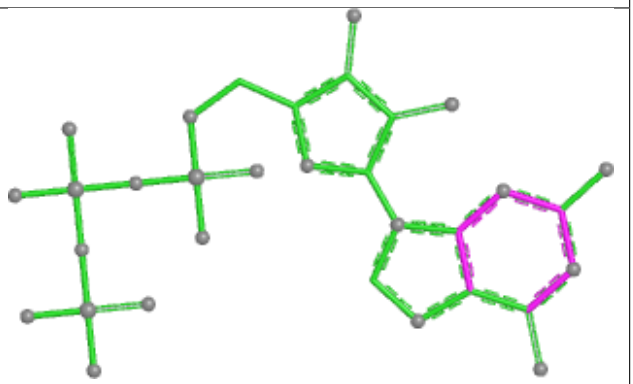


Rings

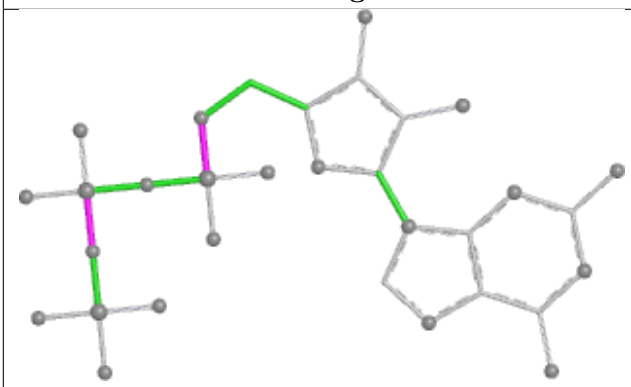
Ligand GTP TE 501



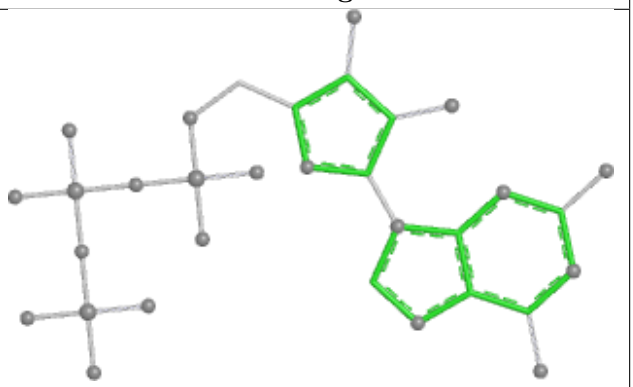
Bond lengths



Bond angles

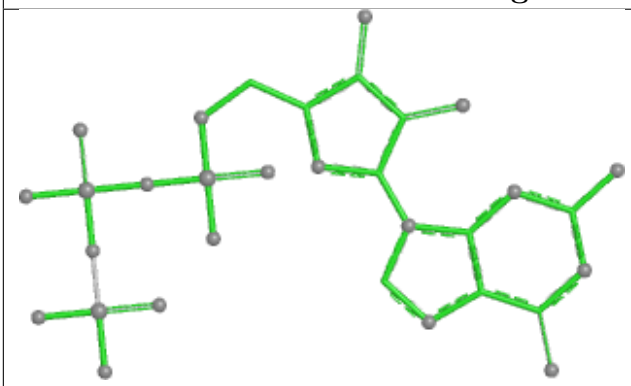


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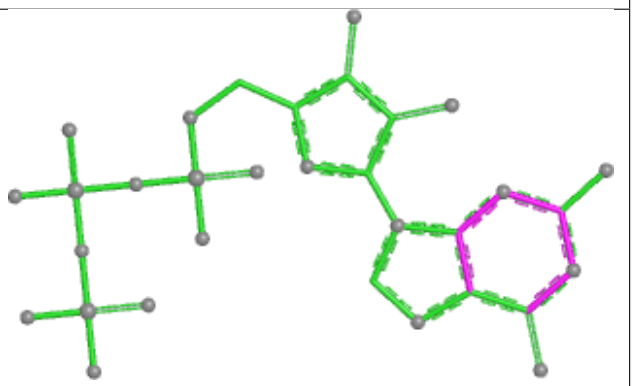


Rings

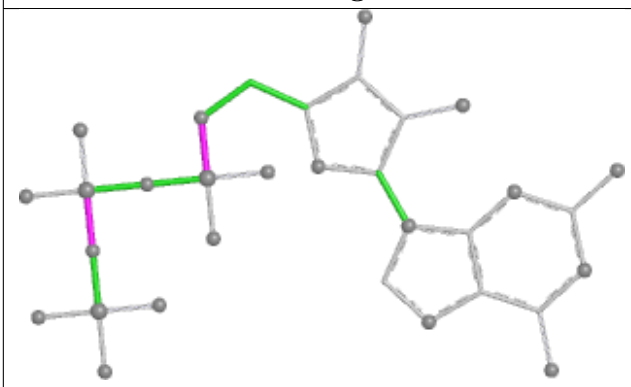
Ligand GTP LH 501



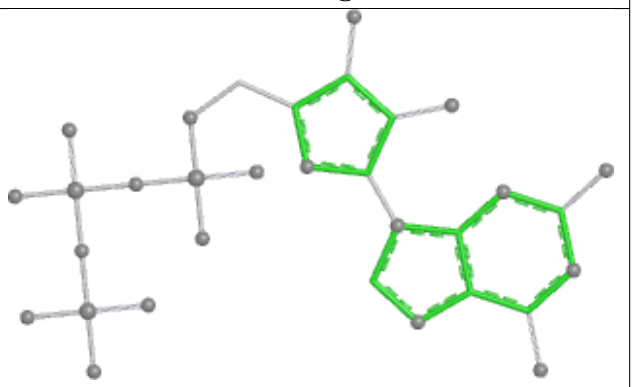
Bond lengths



Bond angles

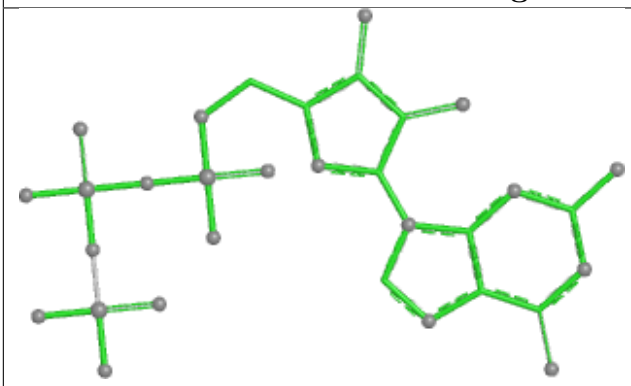


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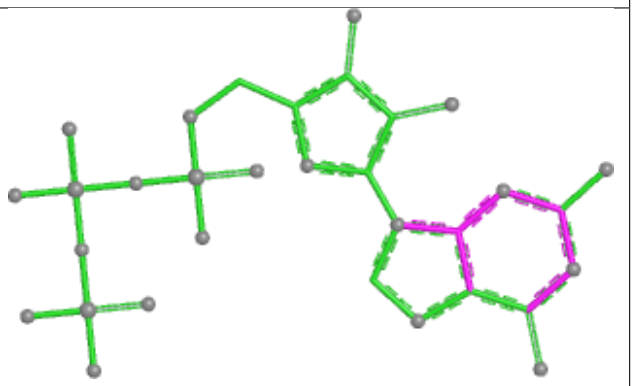


Rings

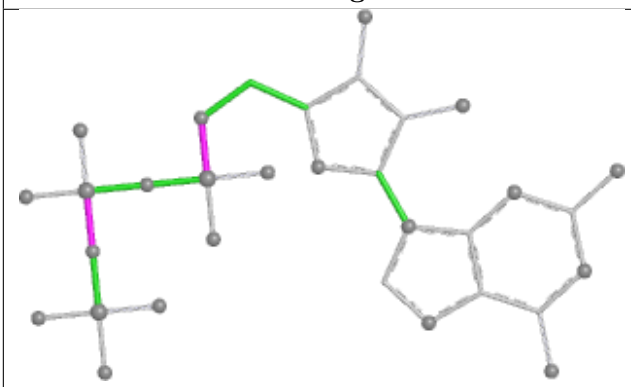
Ligand GTP ZH 501



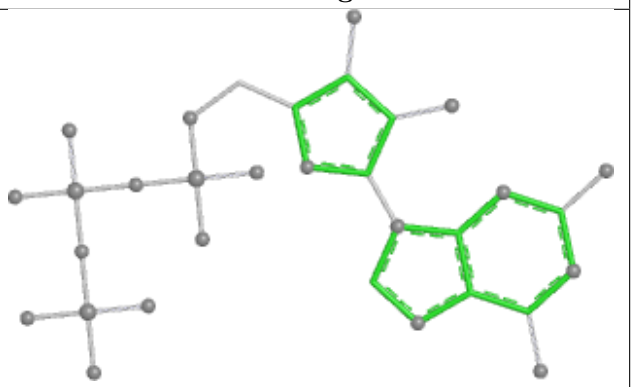
Bond lengths



Bond angles

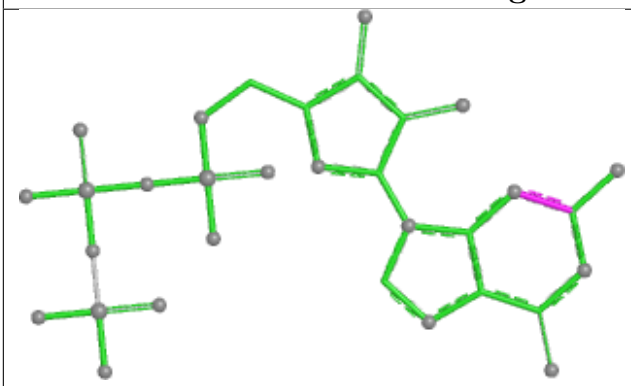


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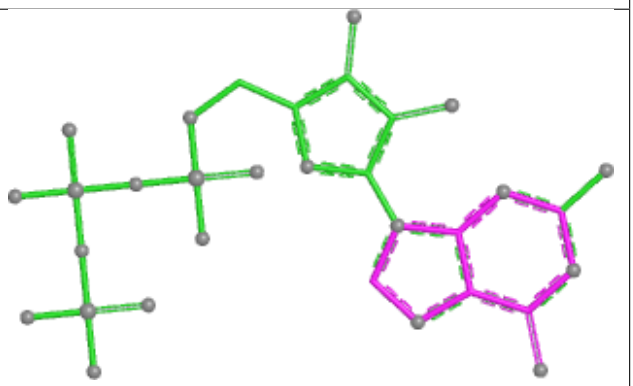


Rings

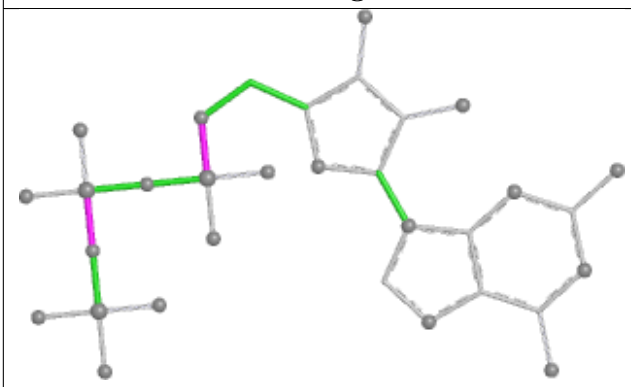
Ligand GTP BN 602



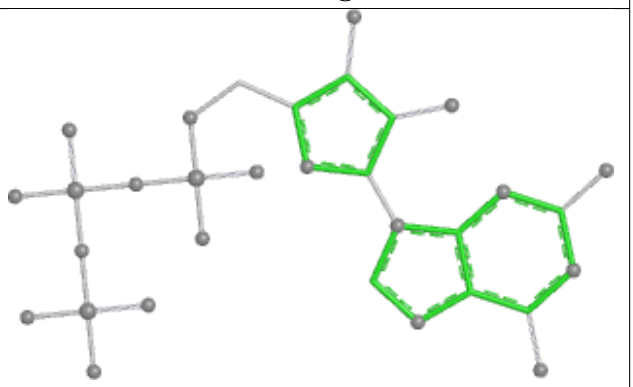
Bond lengths



Bond angles

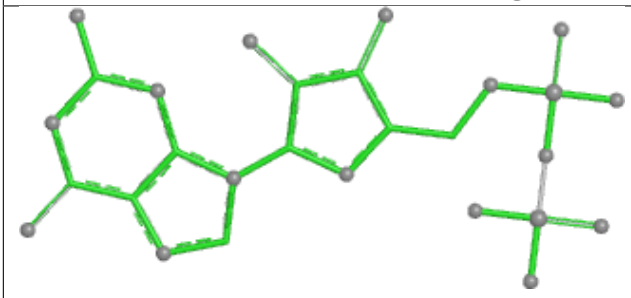


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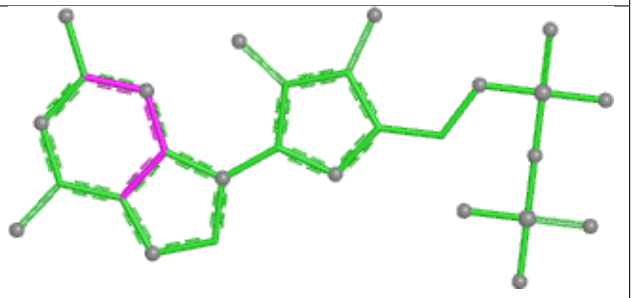


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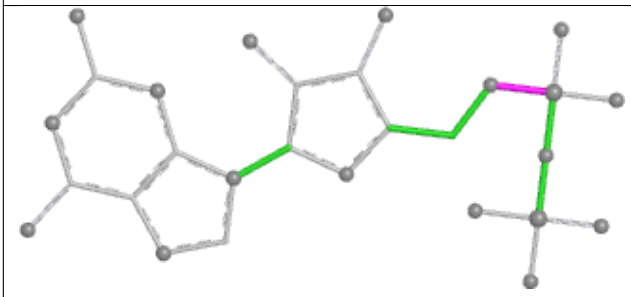
Ligand GDP TD 501



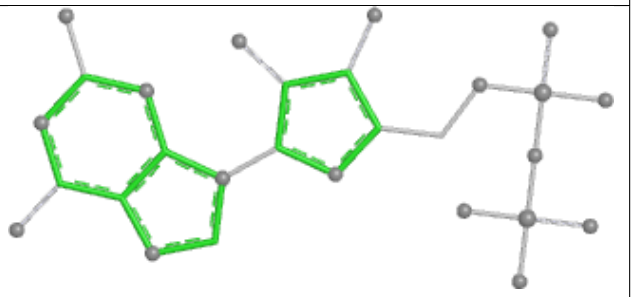
Bond lengths



Bond angles

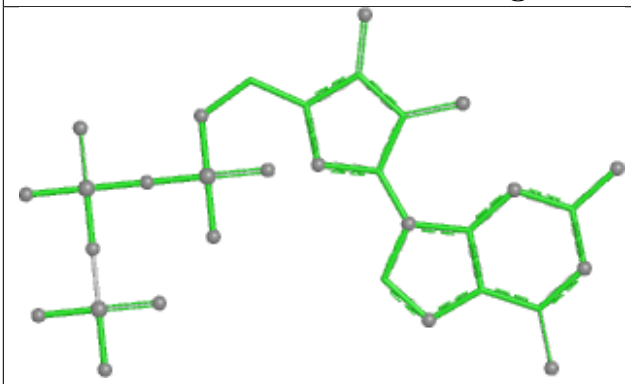


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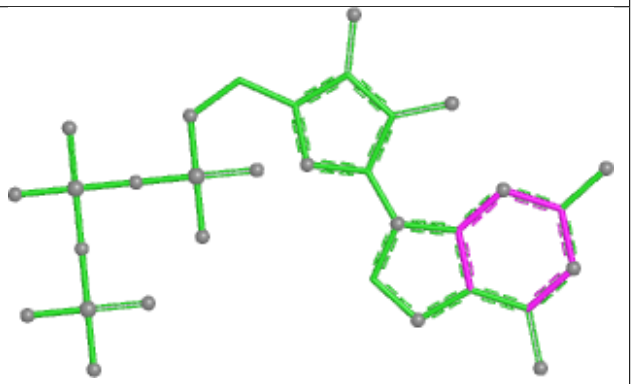


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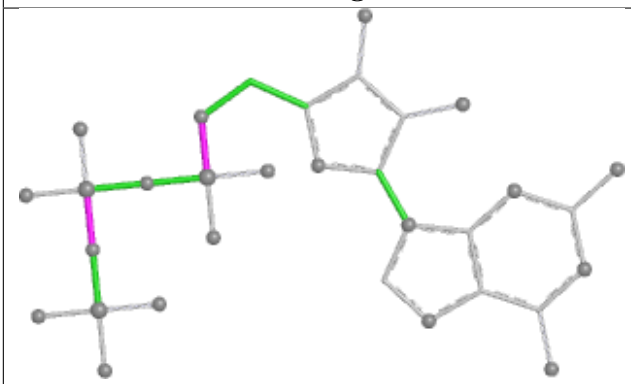
Ligand GTP CR 501



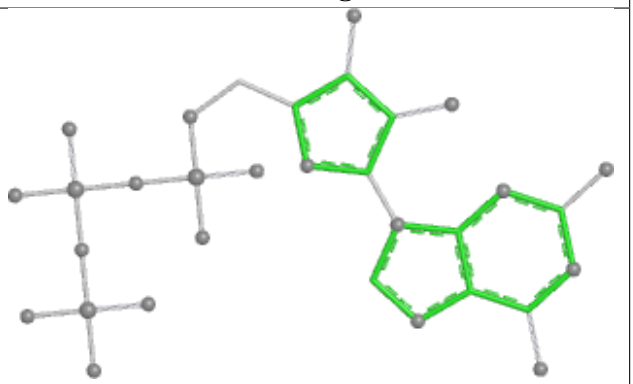
Bond lengths



Bond angles

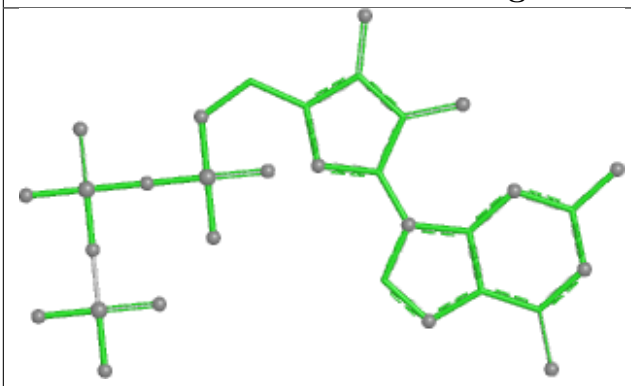


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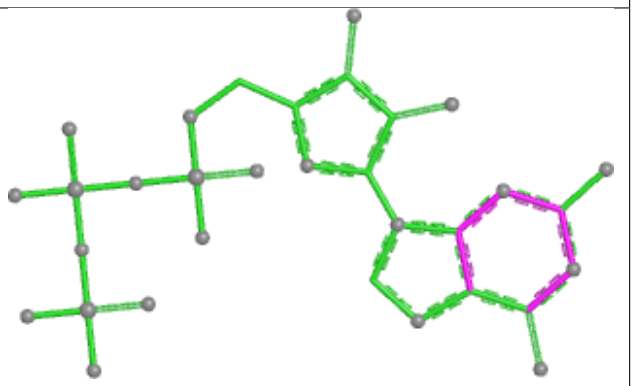


Rings

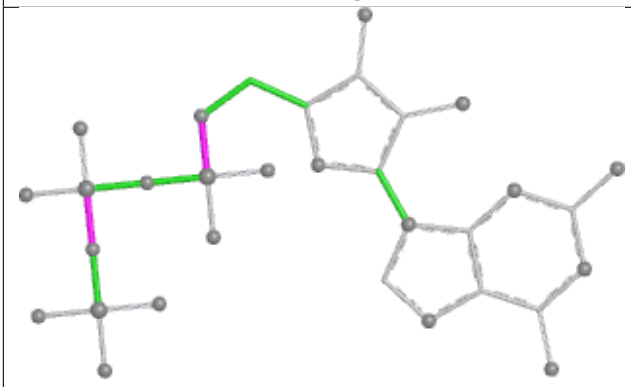
Ligand GTP DD 501



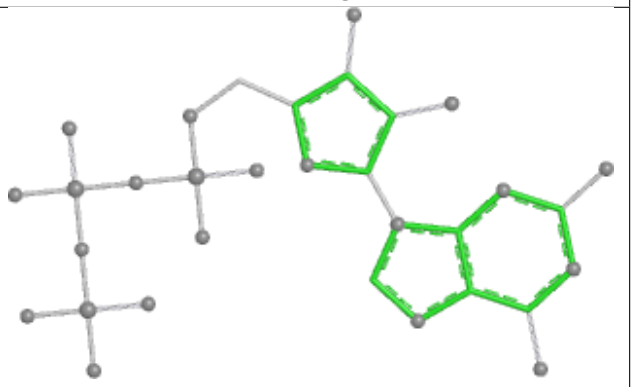
Bond lengths



Bond angles

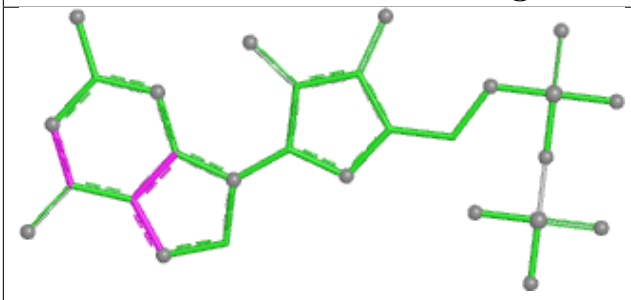


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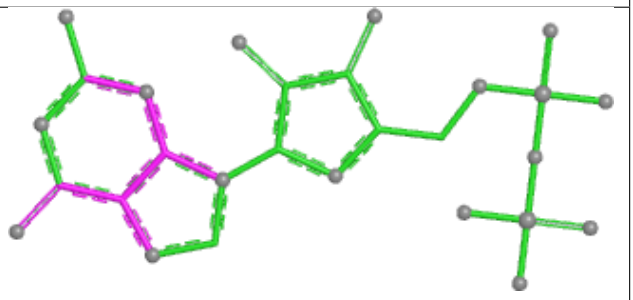


Rings

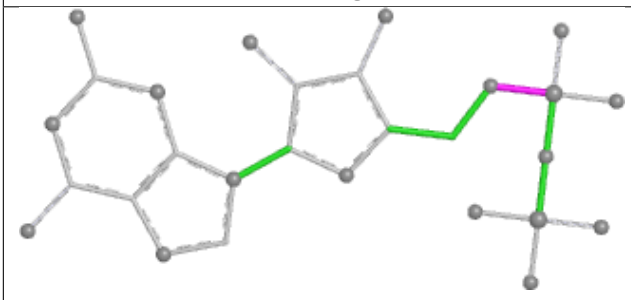
Ligand GDP CS 501



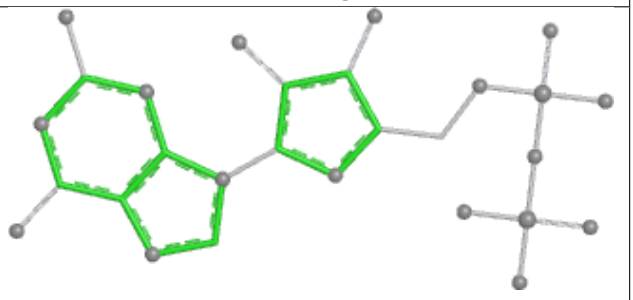
Bond lengths



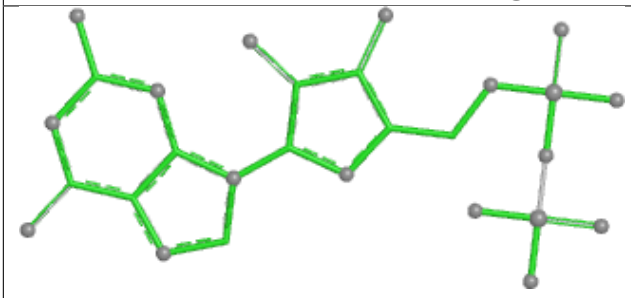
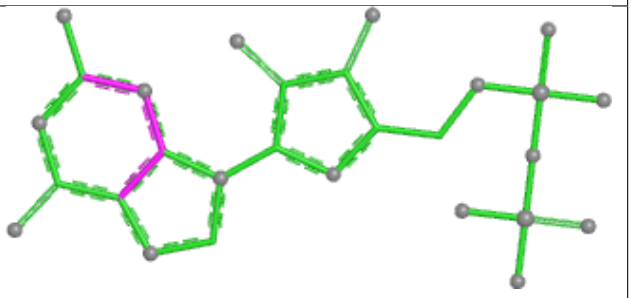
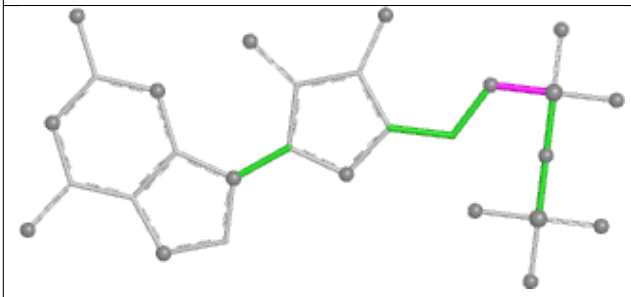
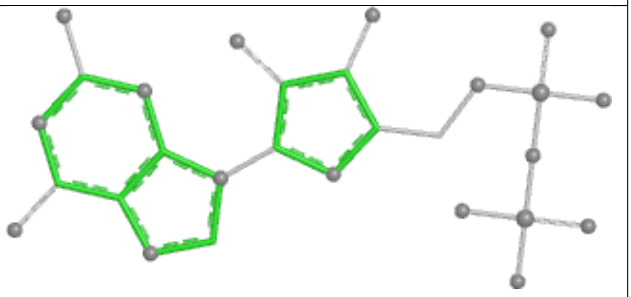
Bond angles

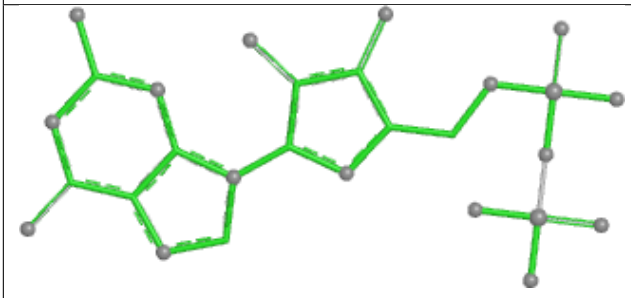
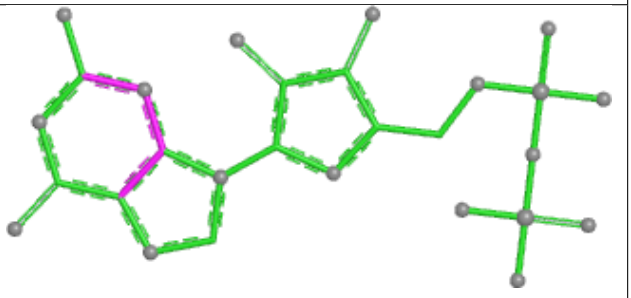
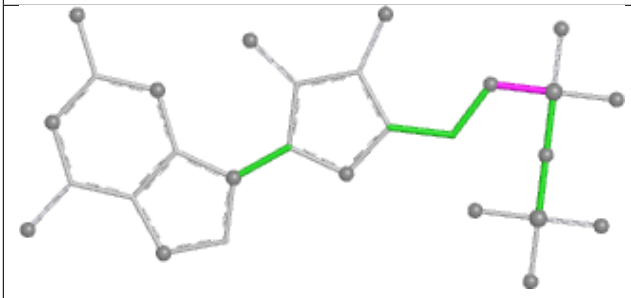
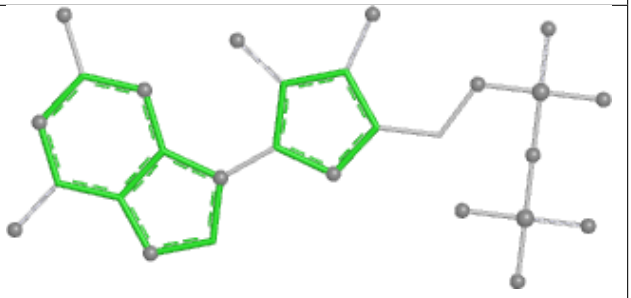


Torsions

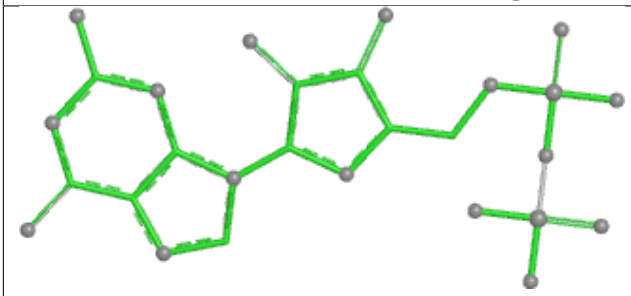


Rings

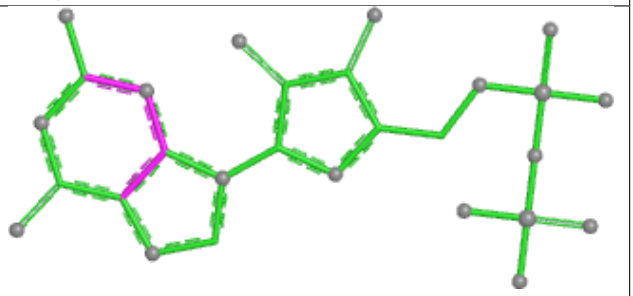
Ligand GDP RR 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP NS 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

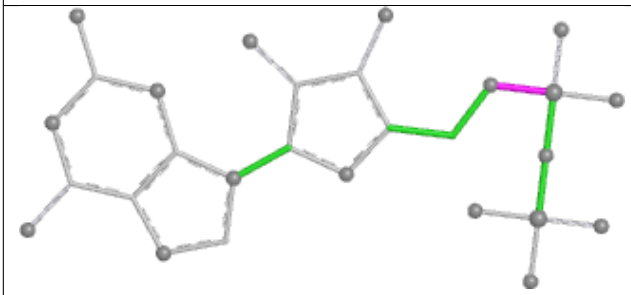
Ligand GDP QV 501



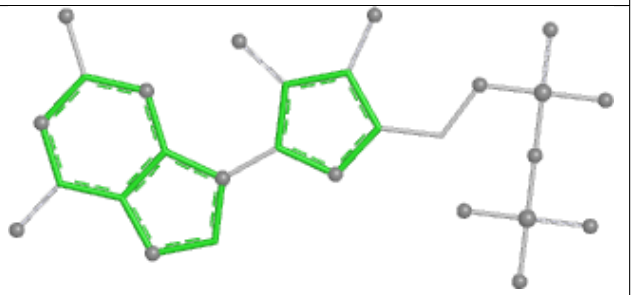
Bond lengths



Bond angles

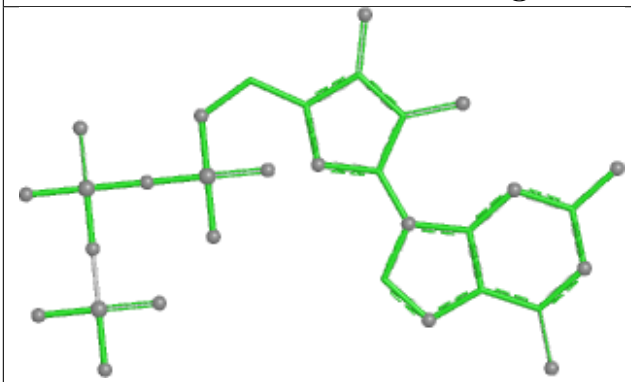


Torsions

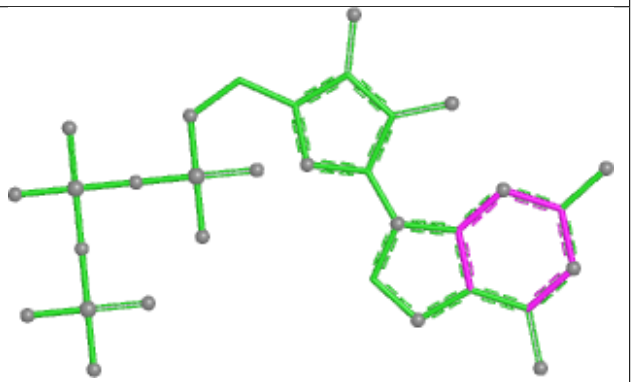


Rings

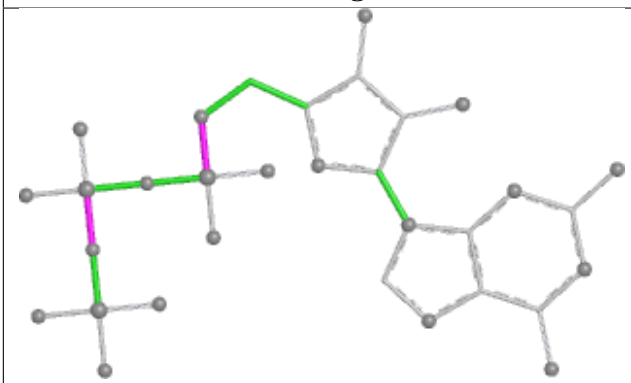
Ligand GTP BP 501



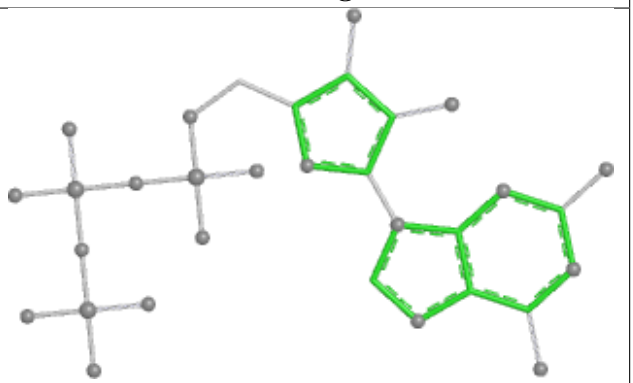
Bond lengths



Bond angles

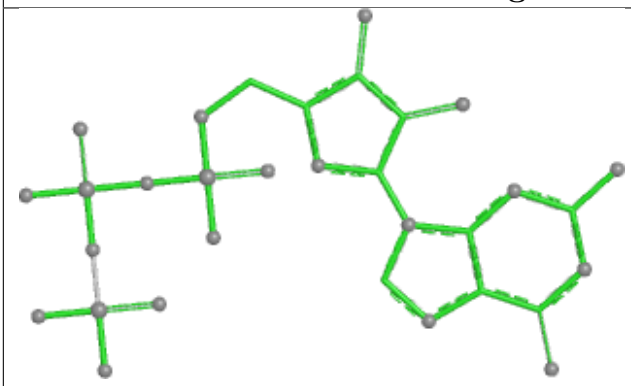


Torsions

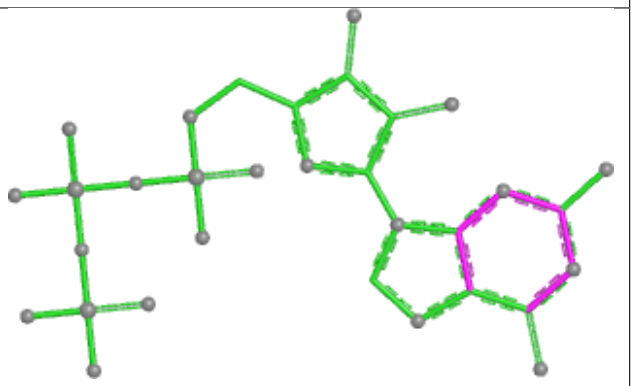


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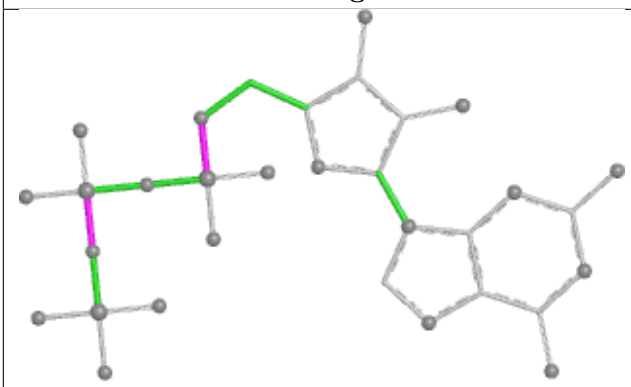
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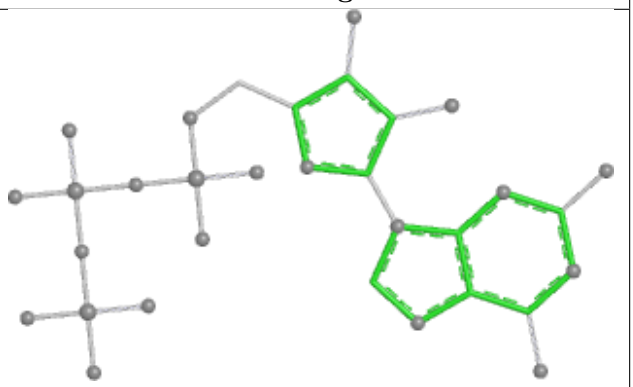
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Bond angles

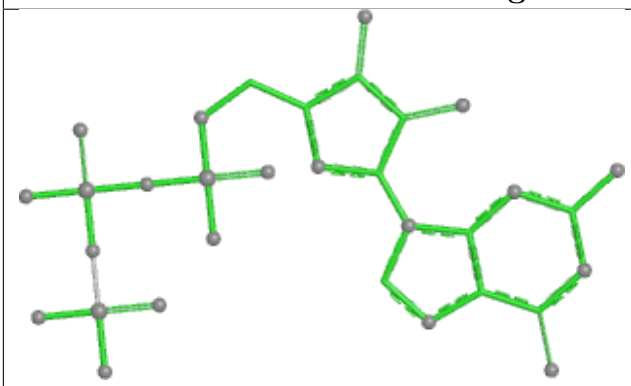


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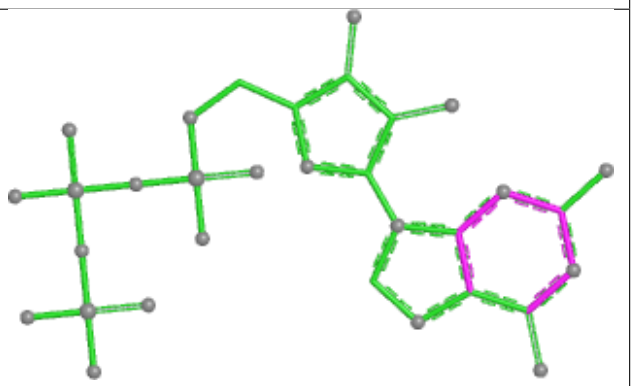


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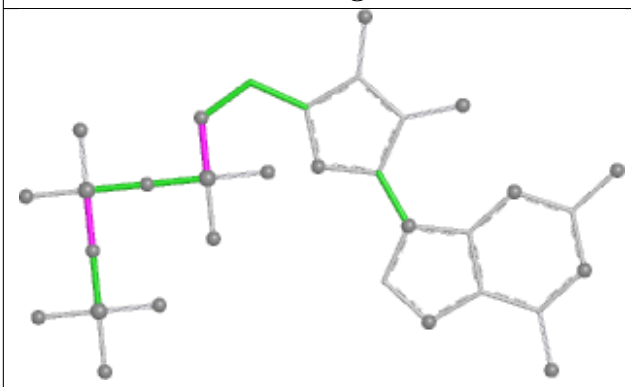
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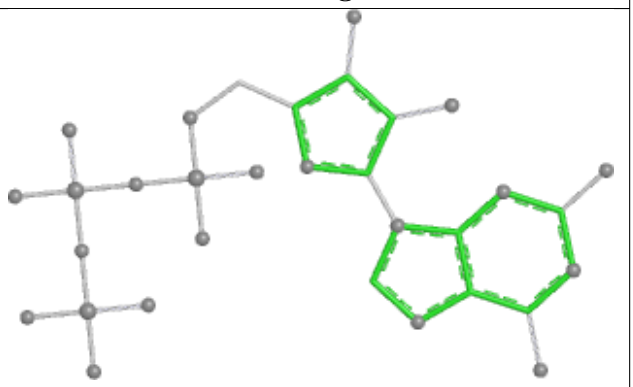
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Bond angles

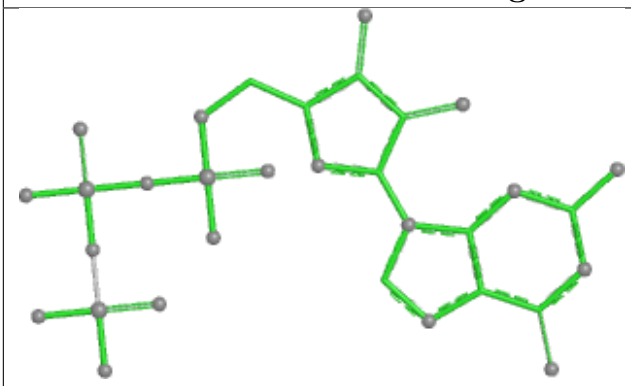


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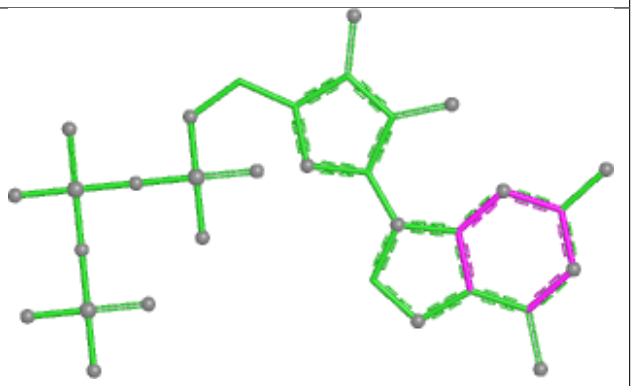


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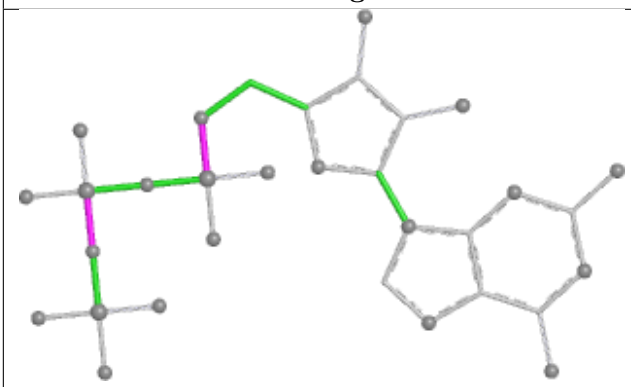
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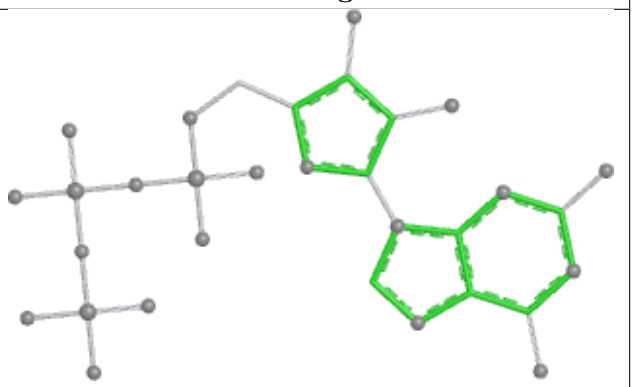
Bond lengths



Bond angles

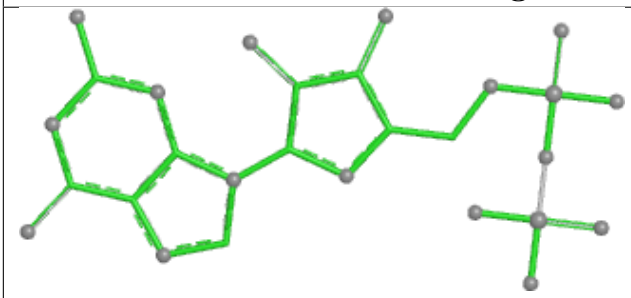


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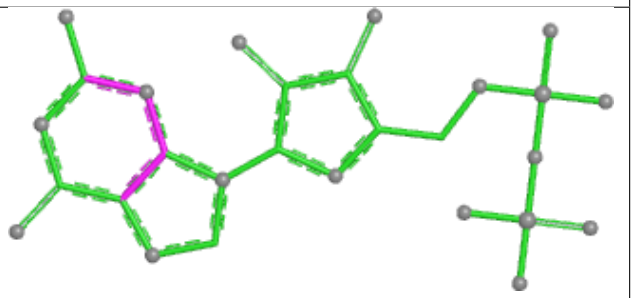


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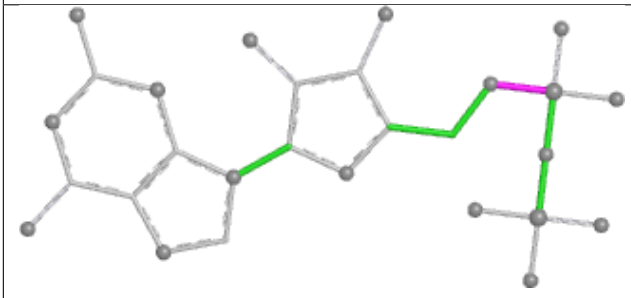
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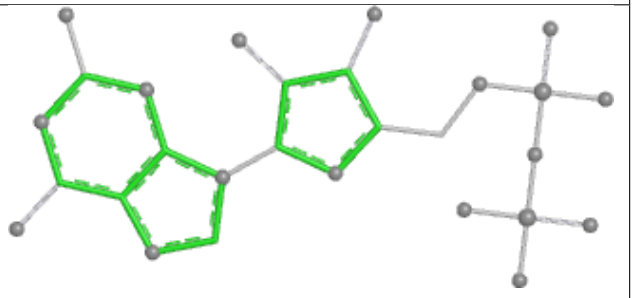
Bond lengths



Bond angles

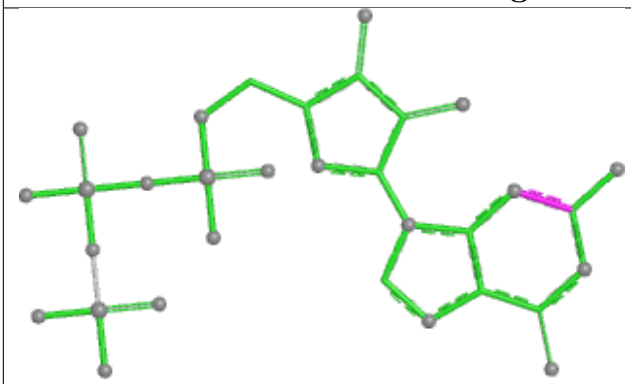


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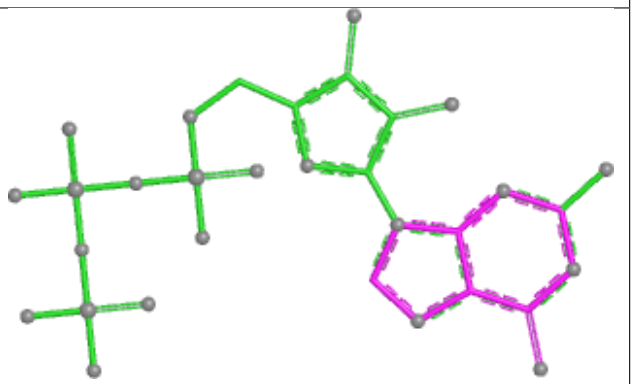


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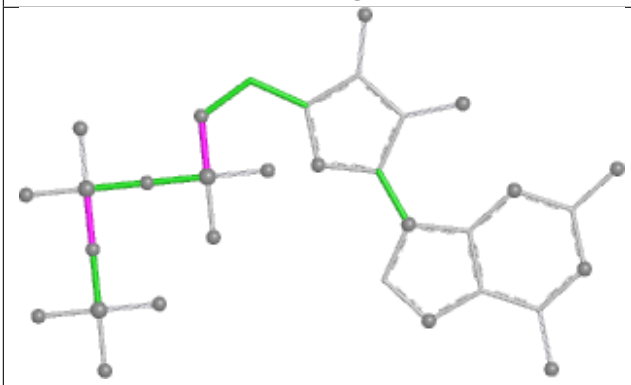
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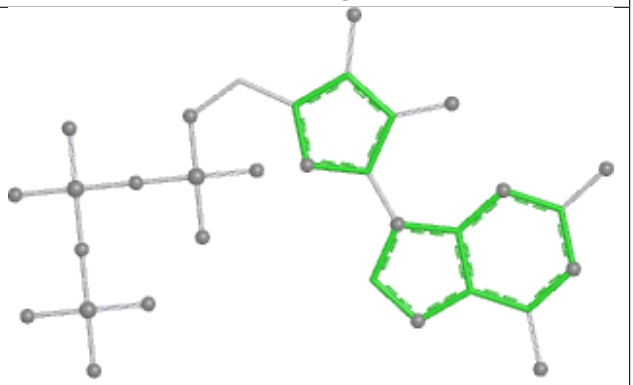
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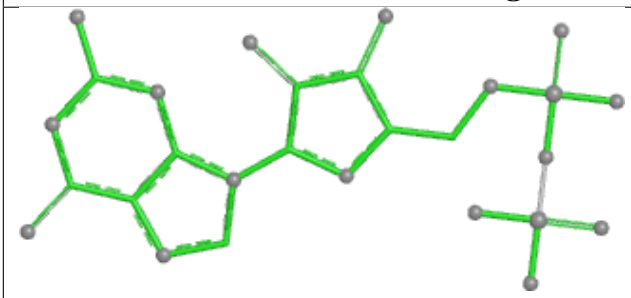


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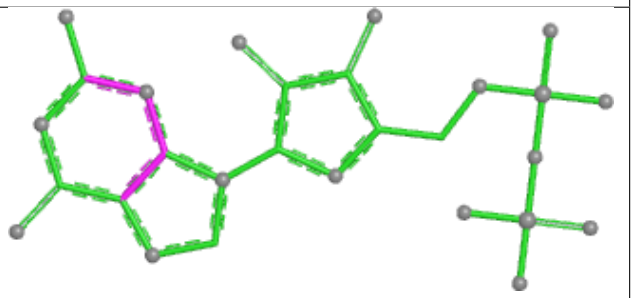


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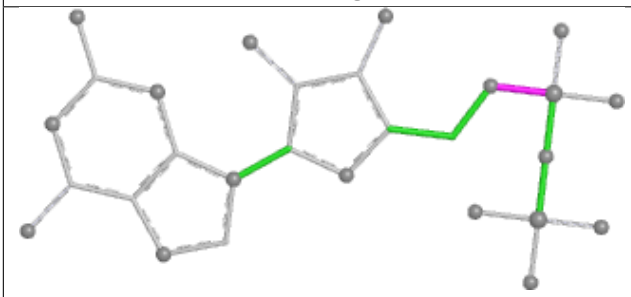
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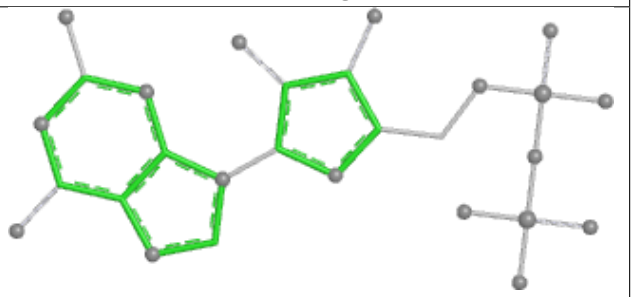
Bond lengths



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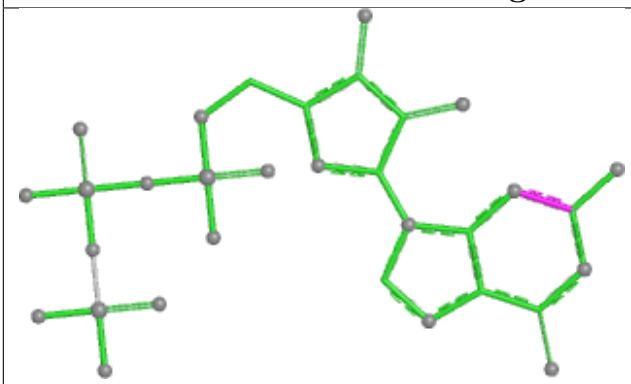


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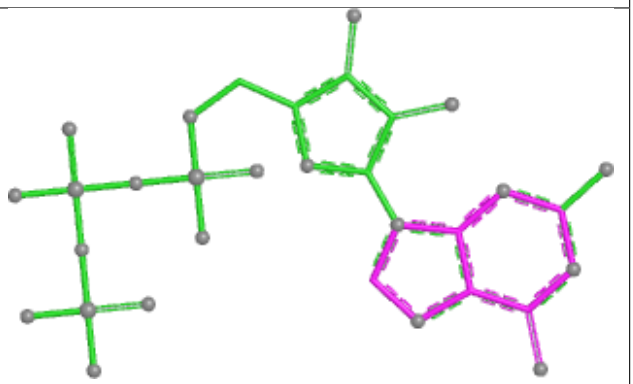


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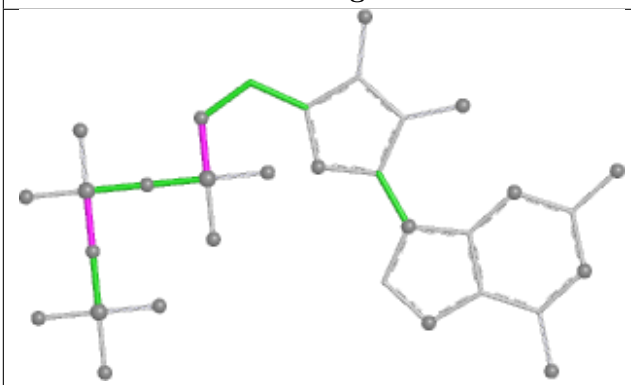
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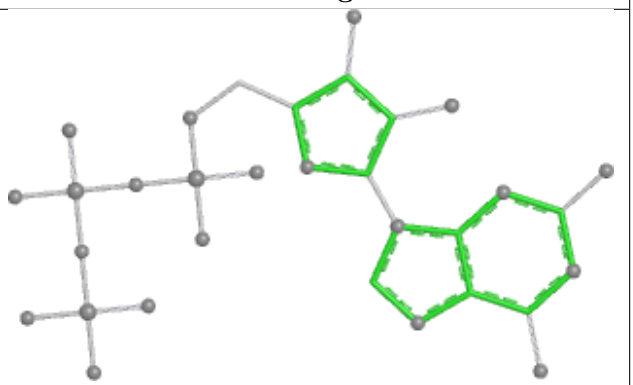
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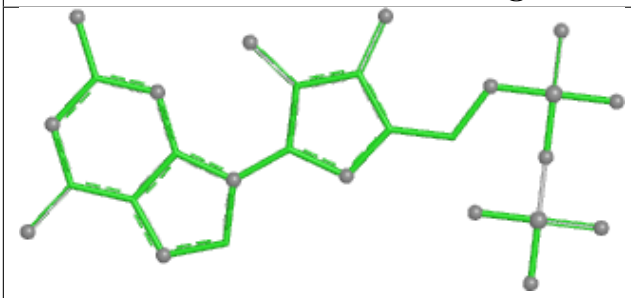


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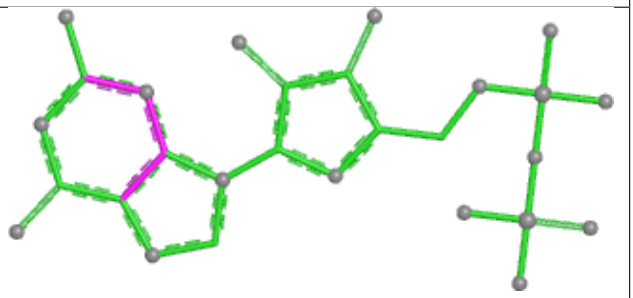


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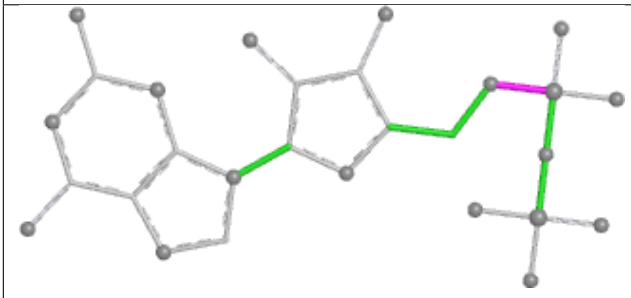
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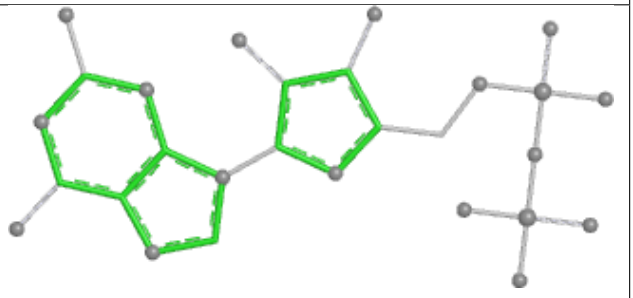
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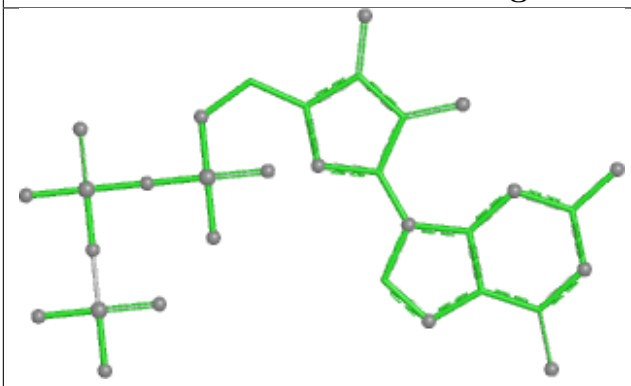


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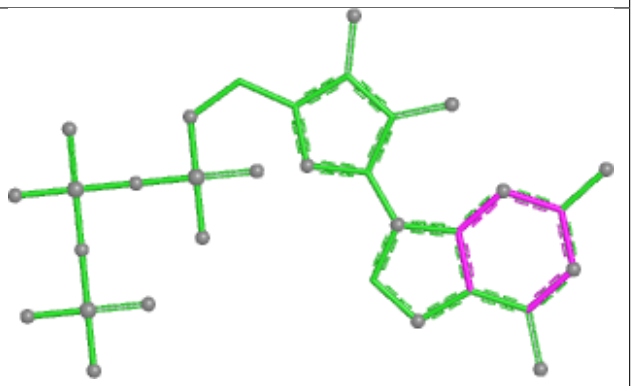


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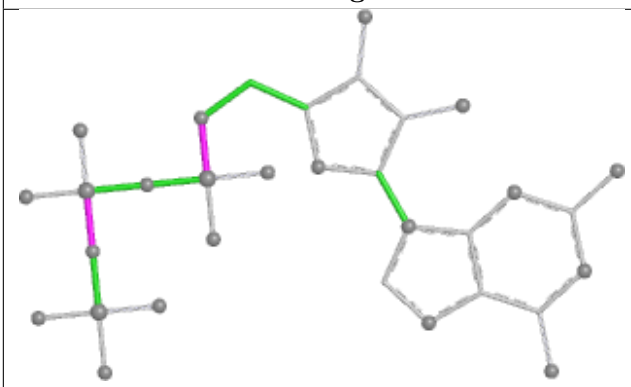
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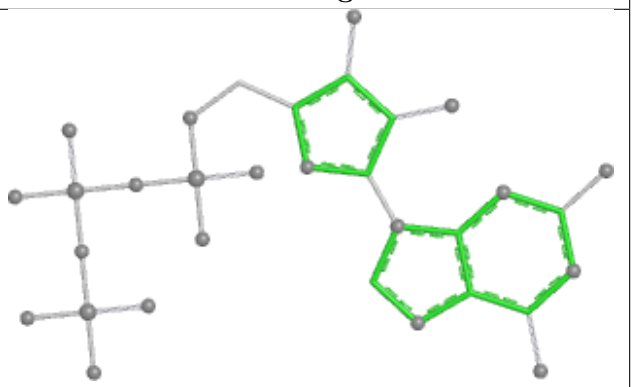
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Bond angles

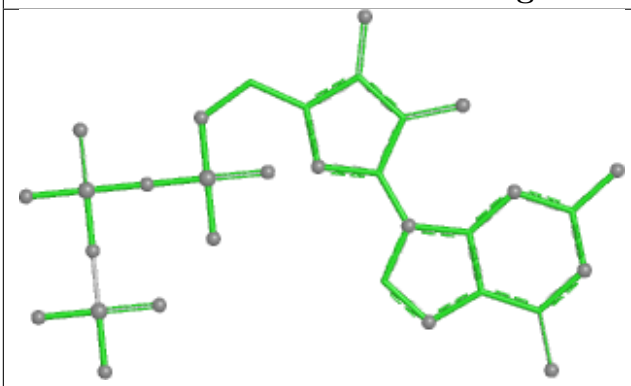


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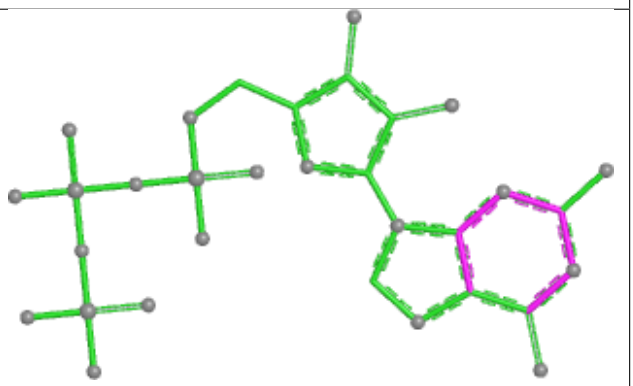


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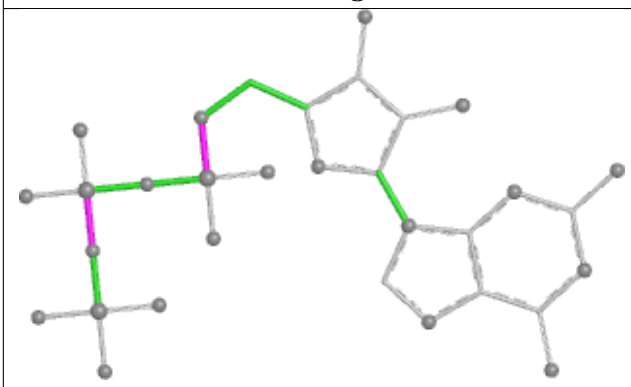
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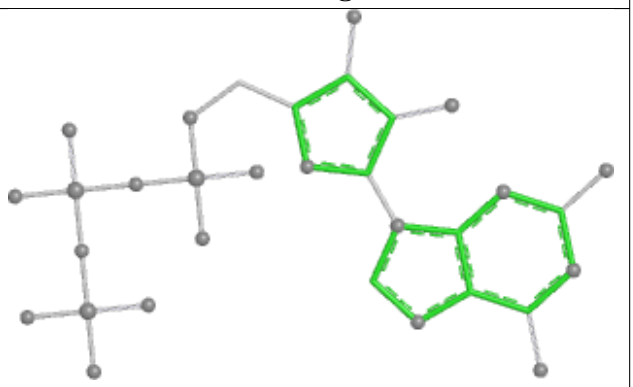
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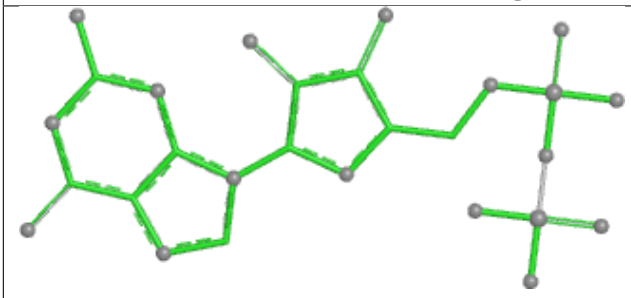


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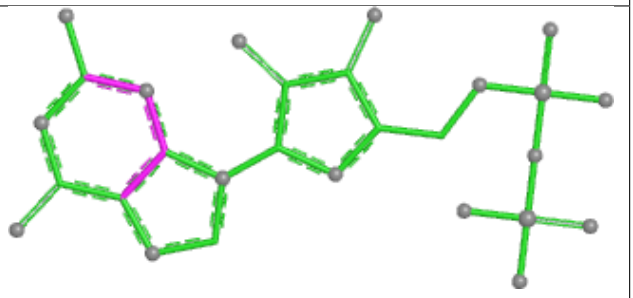


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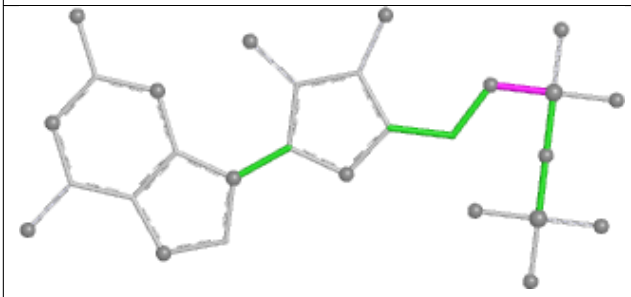
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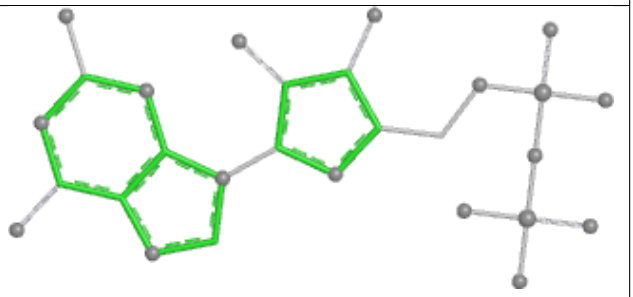
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Bond angles

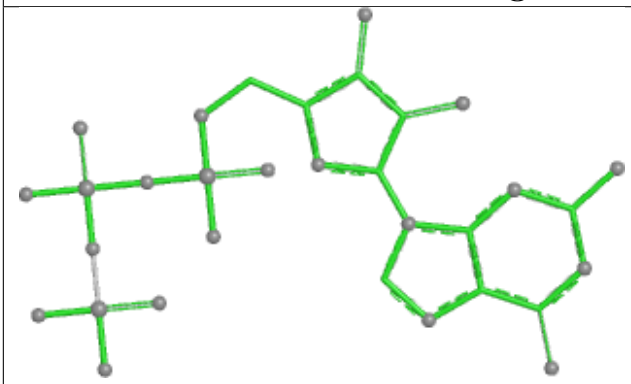


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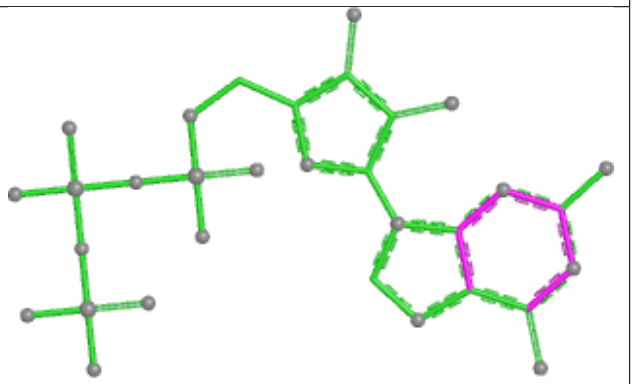


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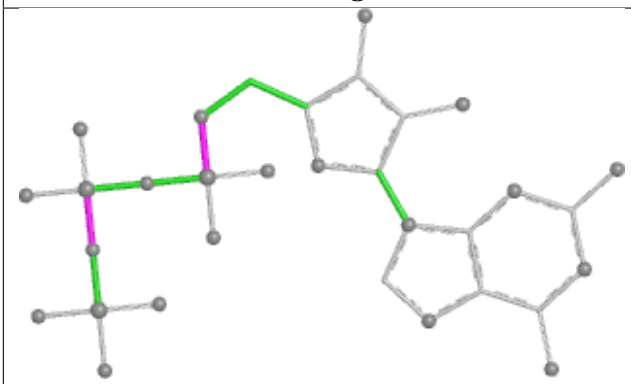
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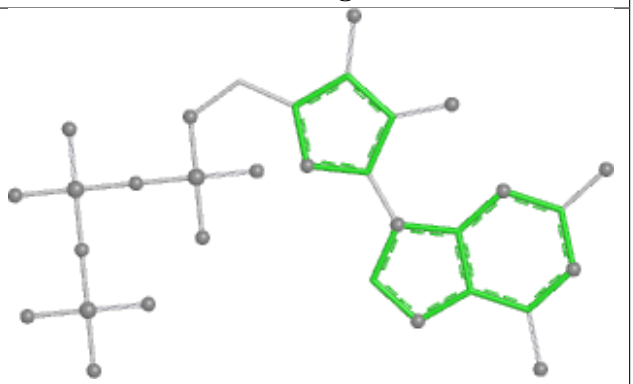
Bond lengths



Bond angles

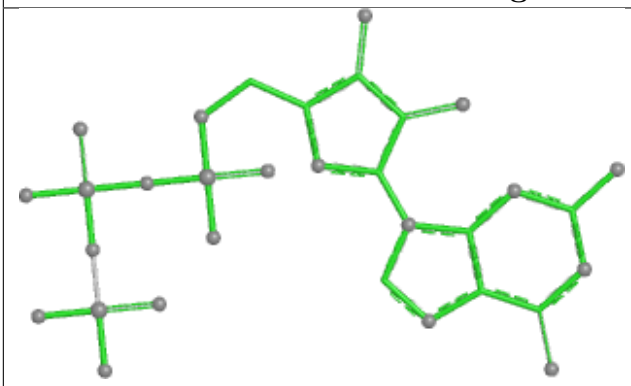


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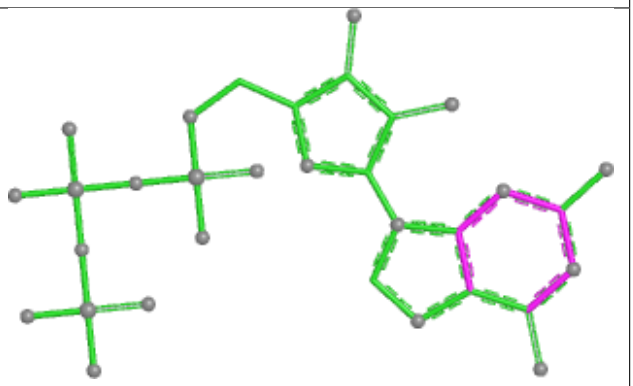


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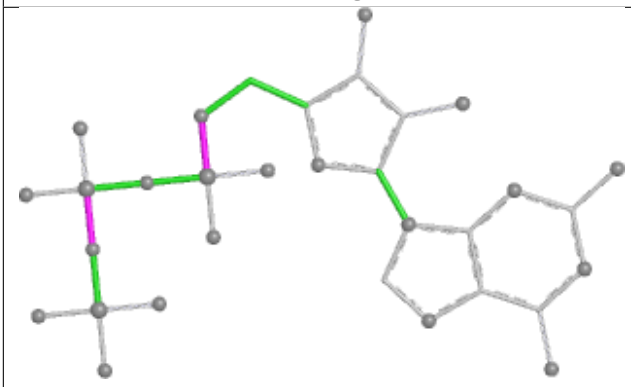
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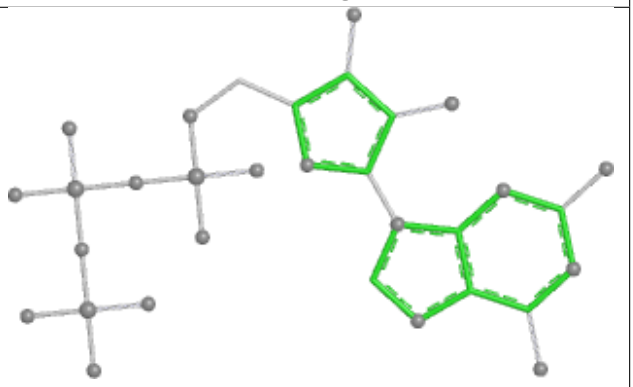
Bond lengths



Bond angles

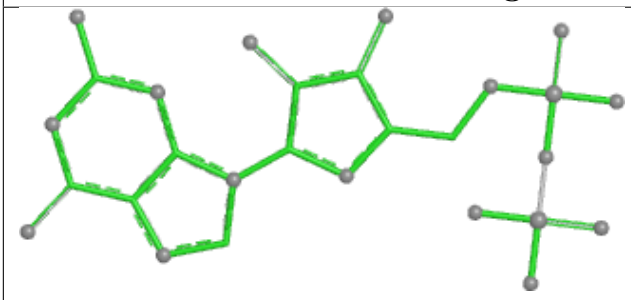


Torsions

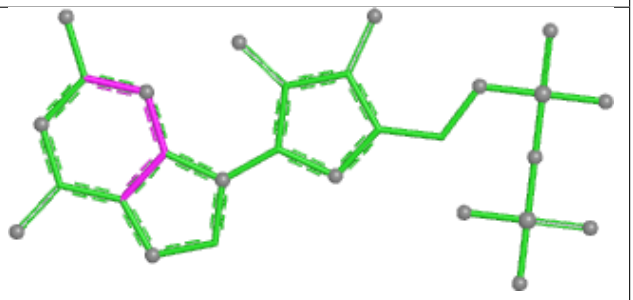


Rings

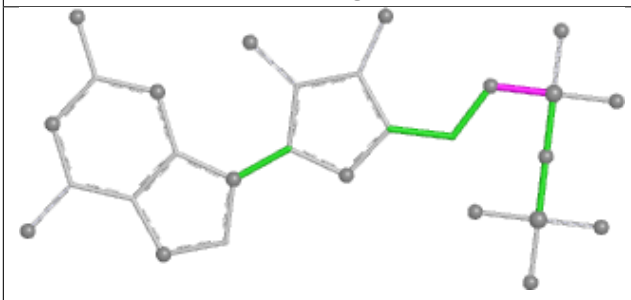
Ligand GDP WT 501



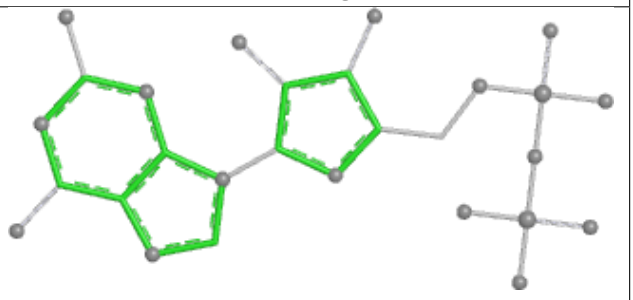
Bond lengths



Bond angles

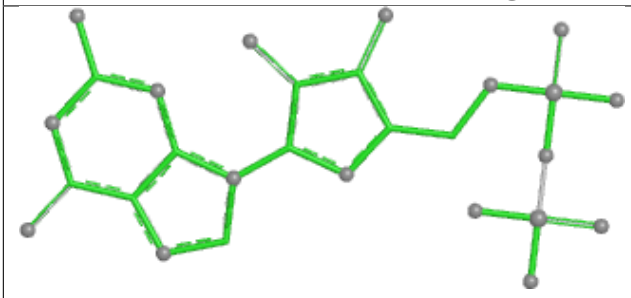


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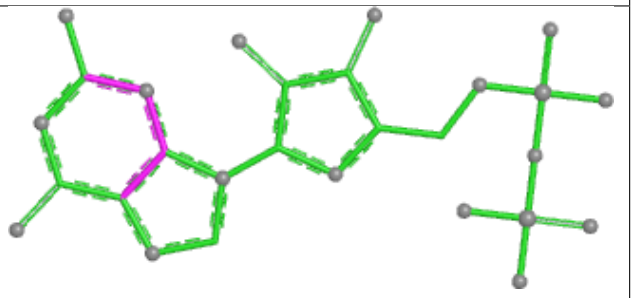


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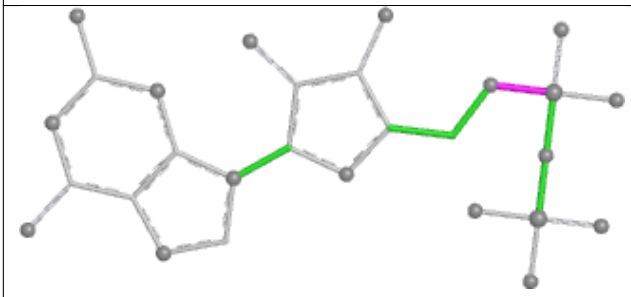
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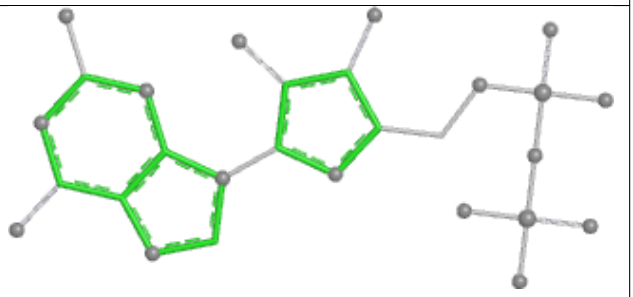
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Bond angles

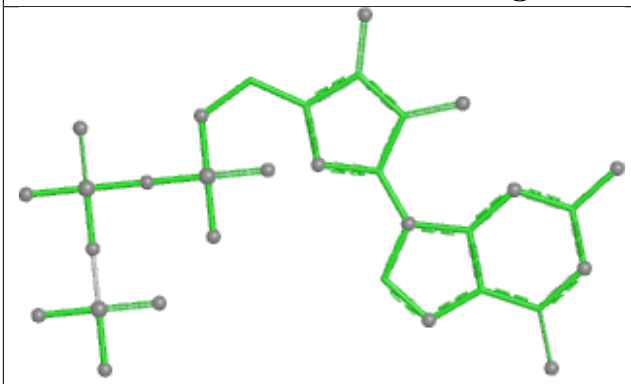


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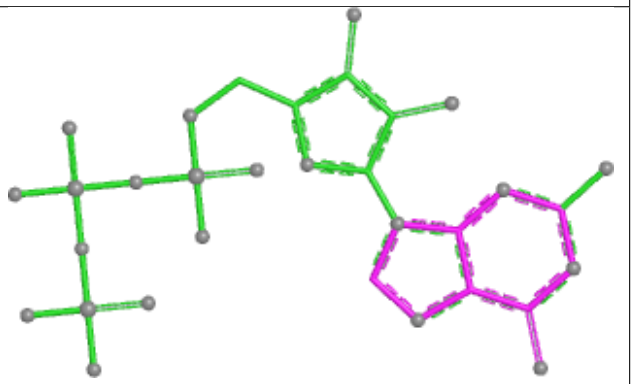


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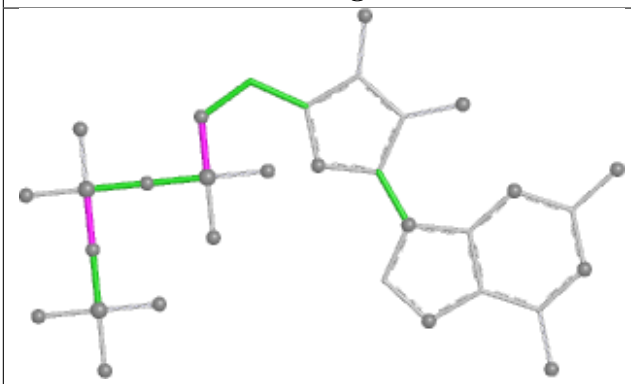
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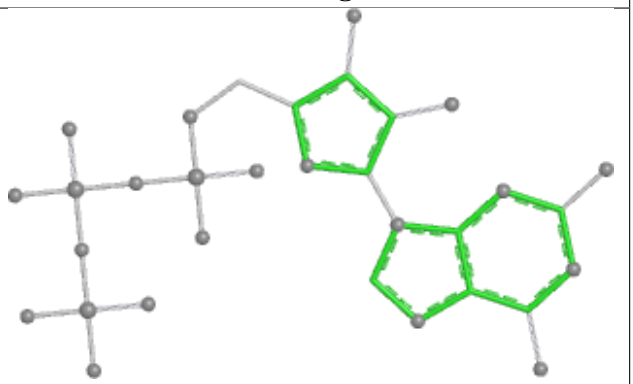
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Bond angles

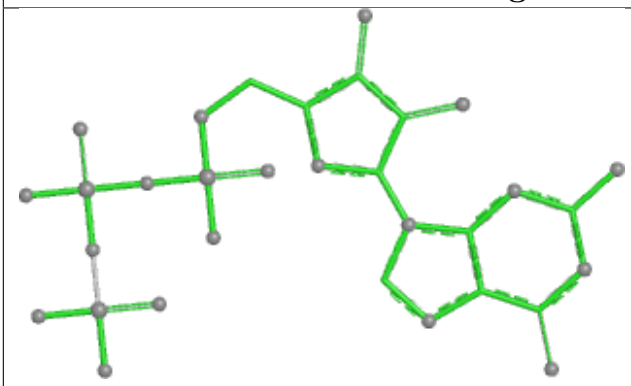


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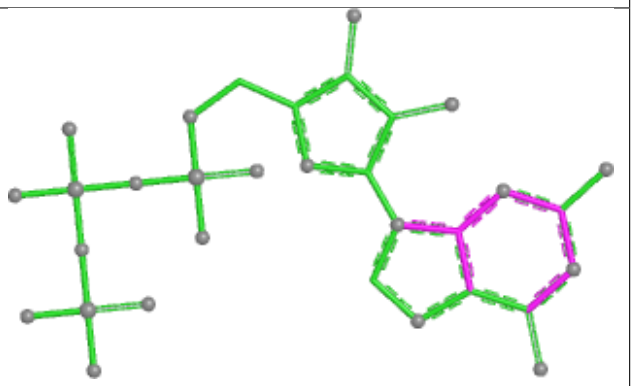


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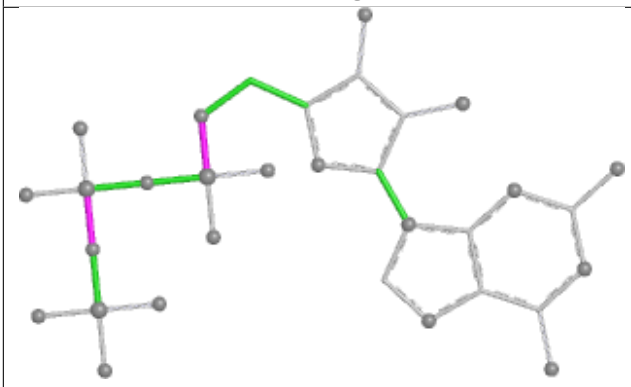
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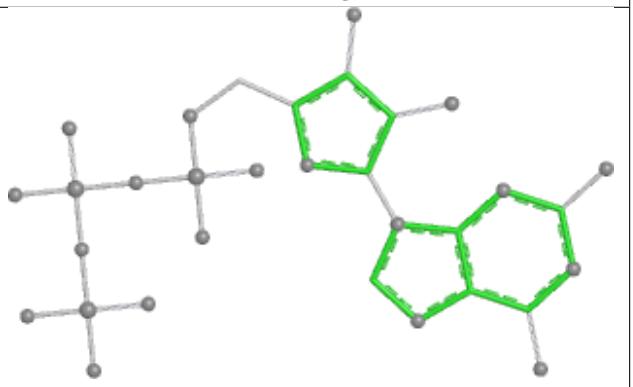
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Bond angles

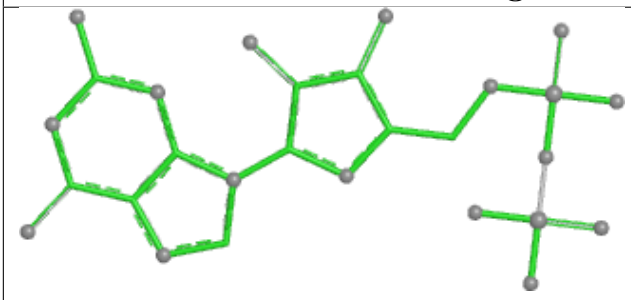


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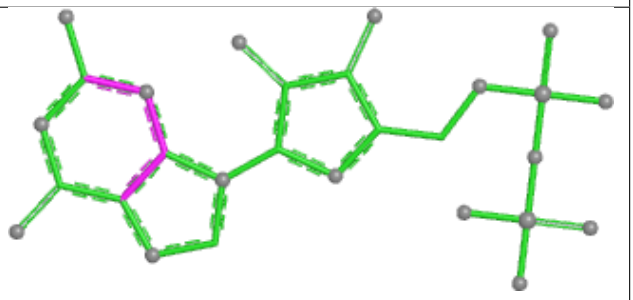


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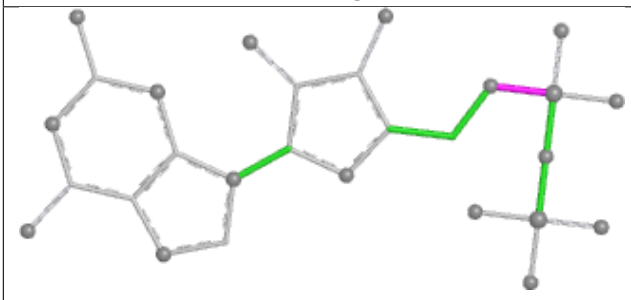
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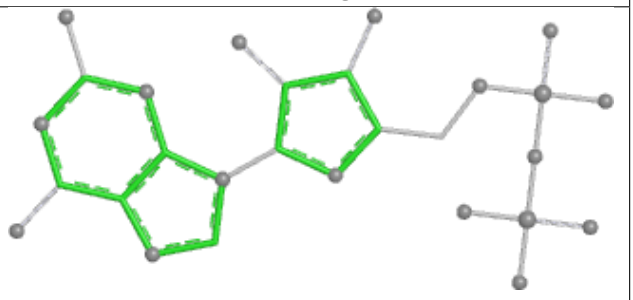
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Bond angles

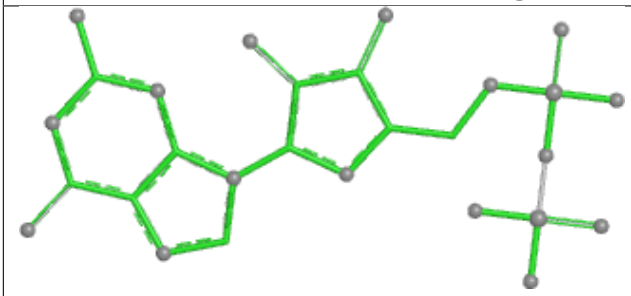


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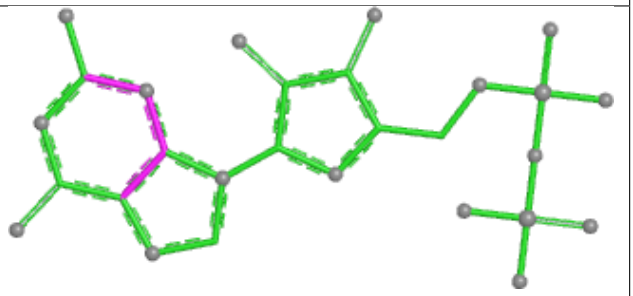


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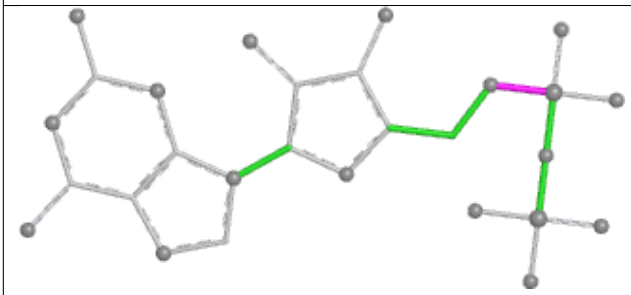
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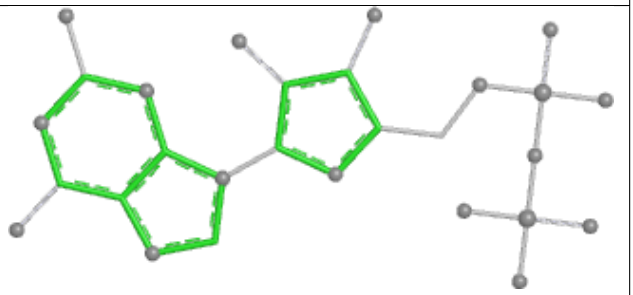
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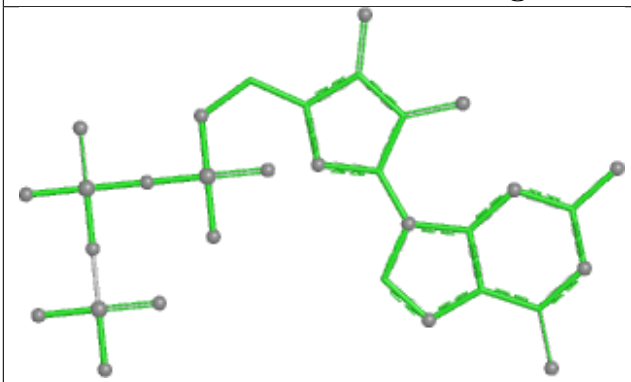


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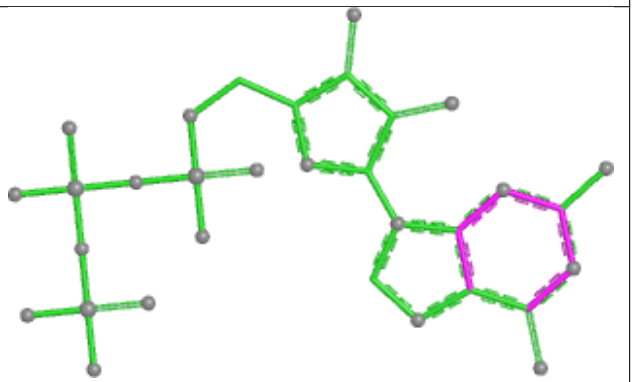


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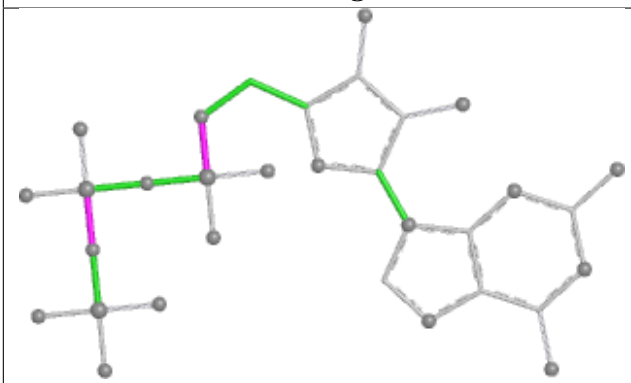
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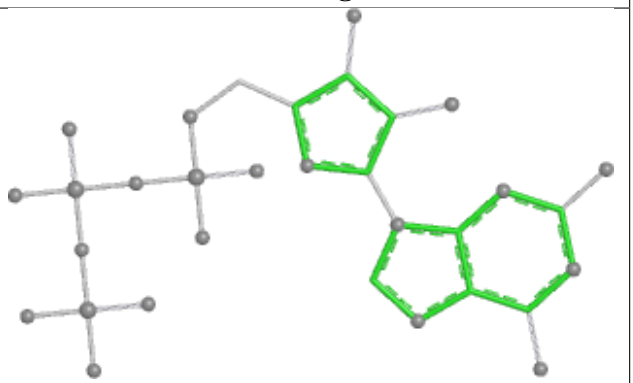
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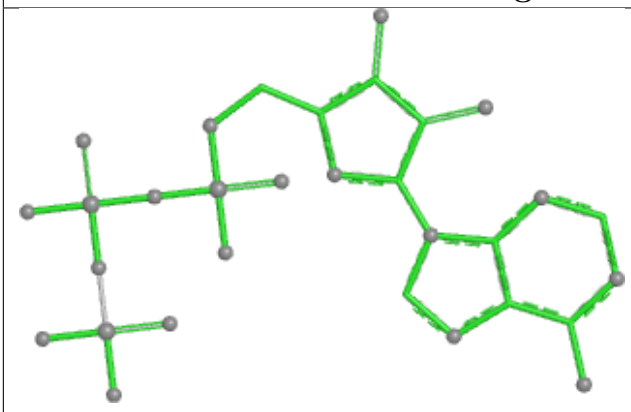


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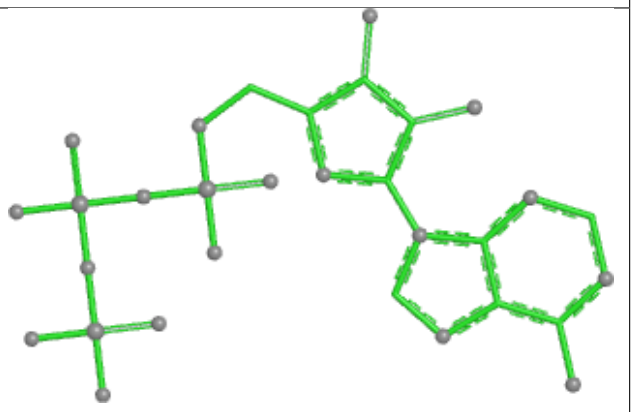


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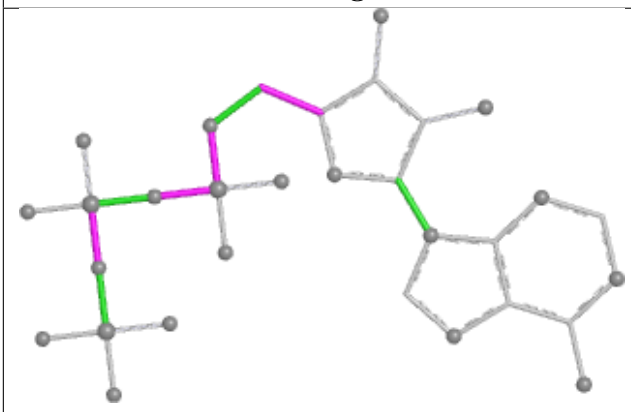
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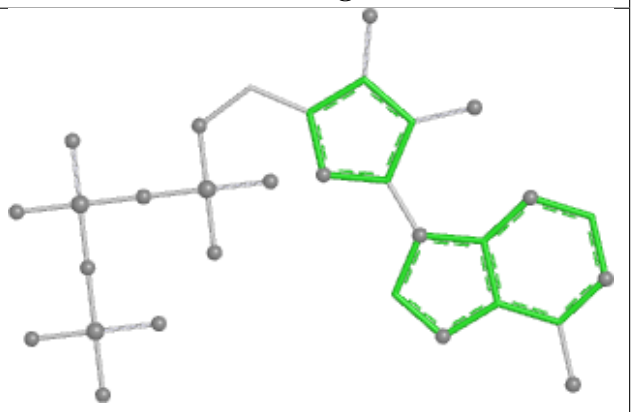
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Bond angles

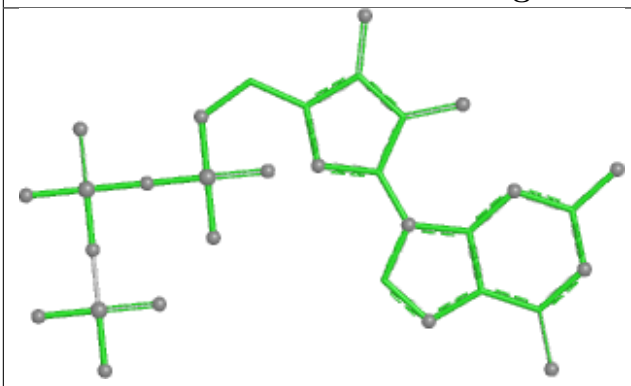


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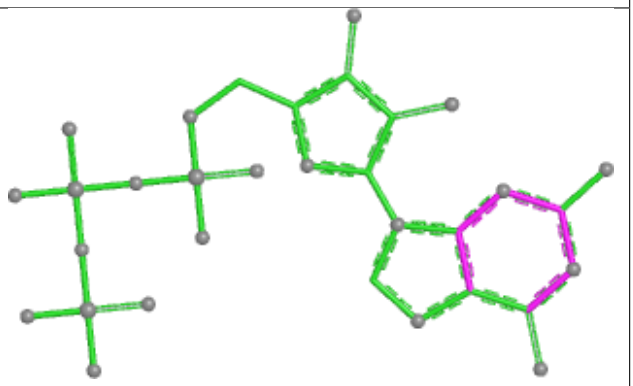


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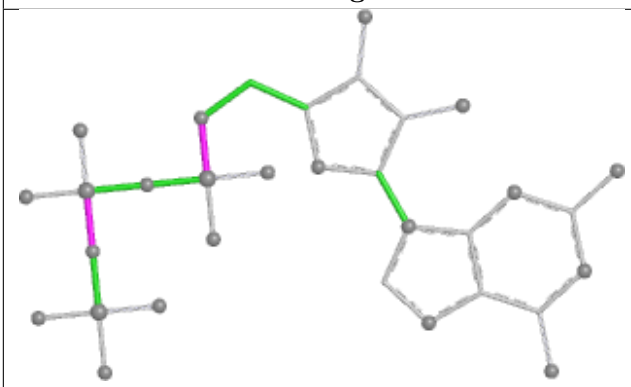
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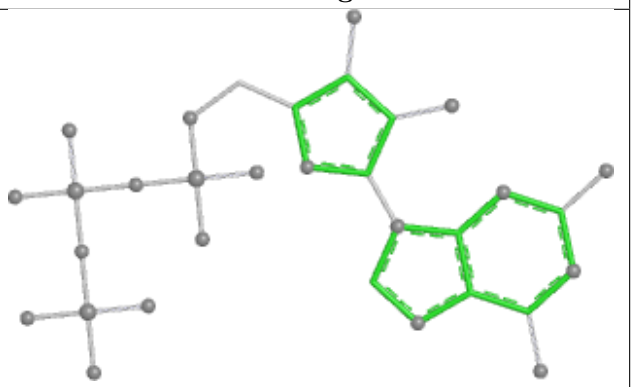
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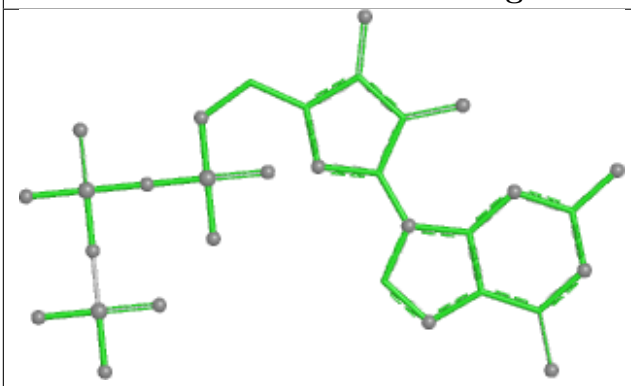


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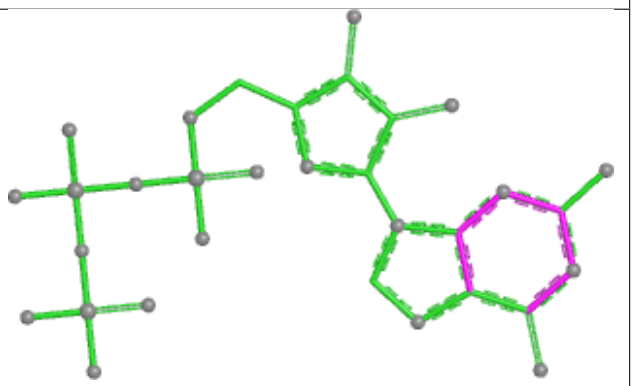


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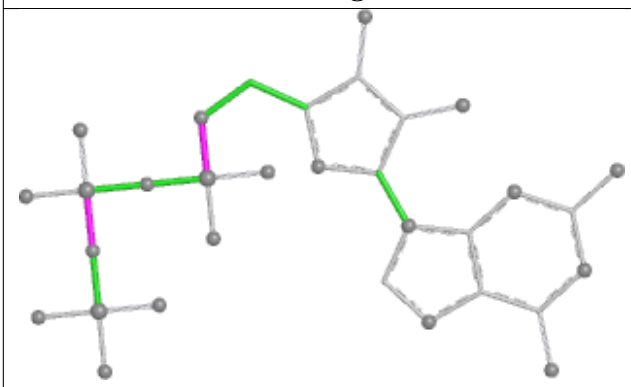
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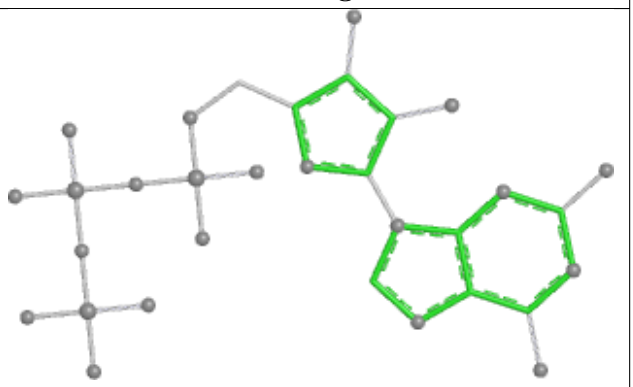
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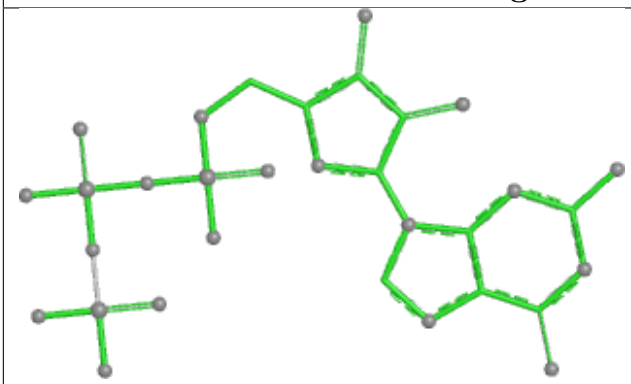


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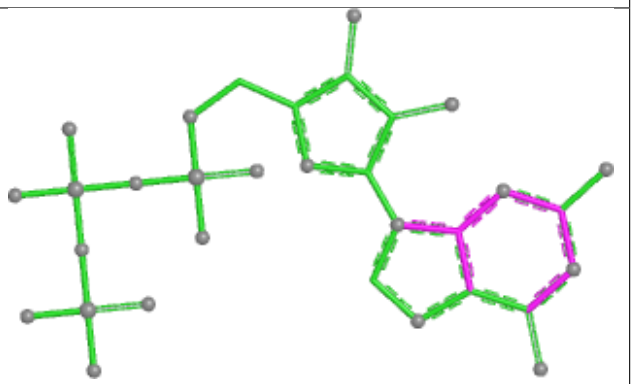


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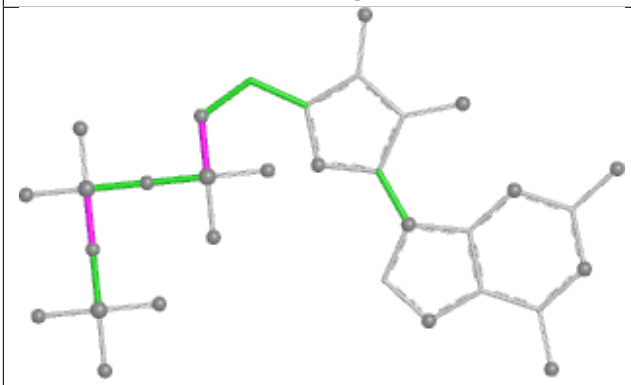
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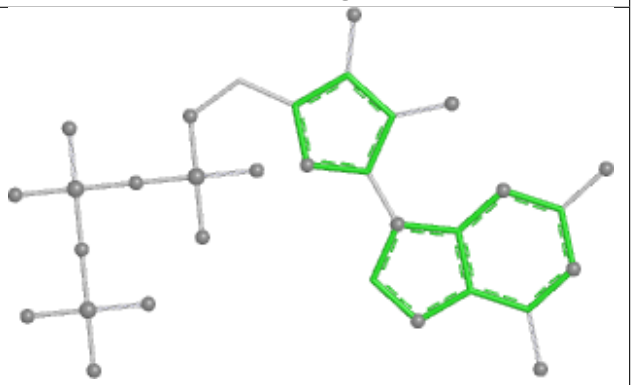
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Bond angles

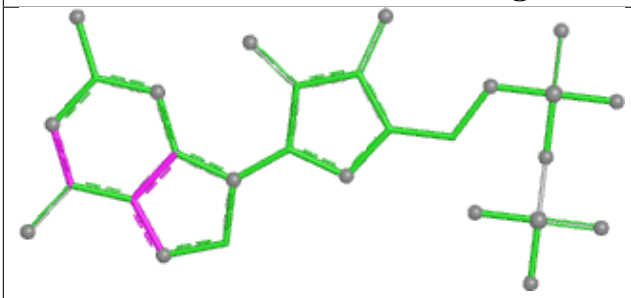


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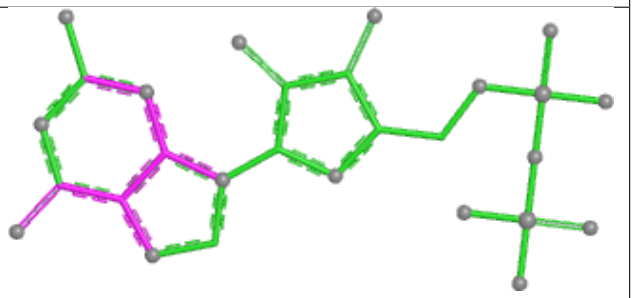


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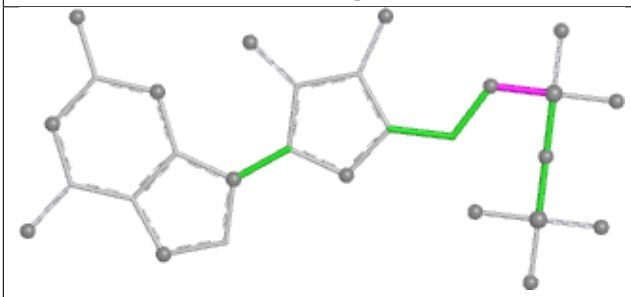
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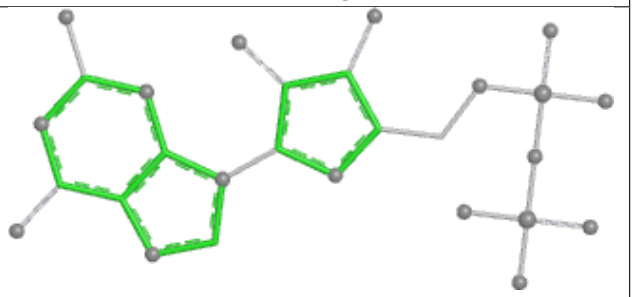
Bond lengths



Bond angles

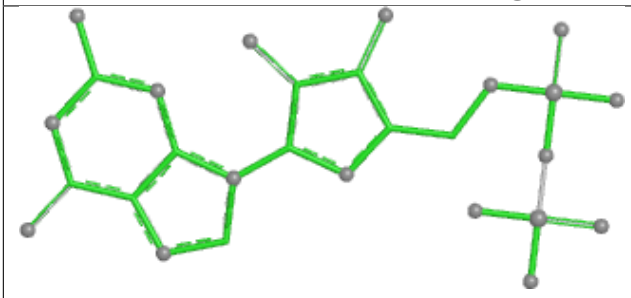


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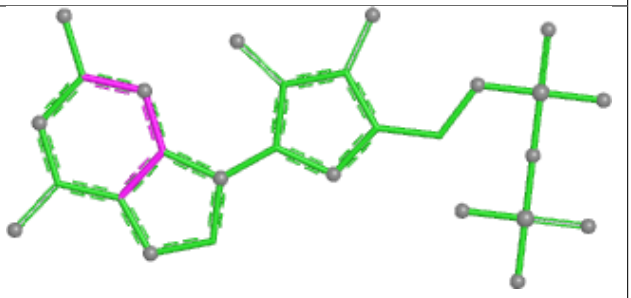


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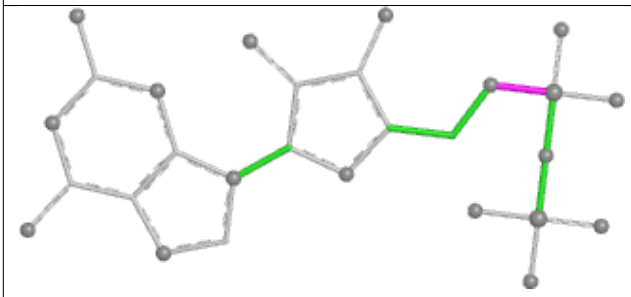
Ligand GDP PV 501



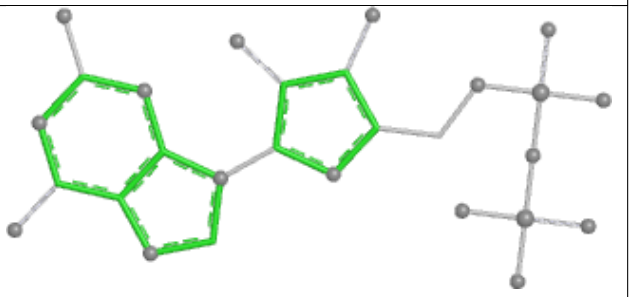
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Bond angles

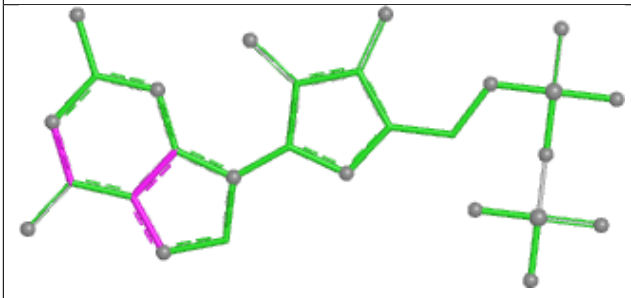


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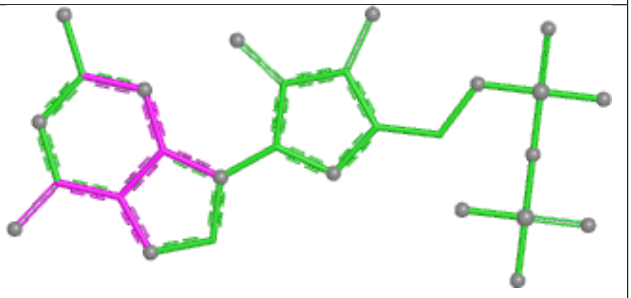


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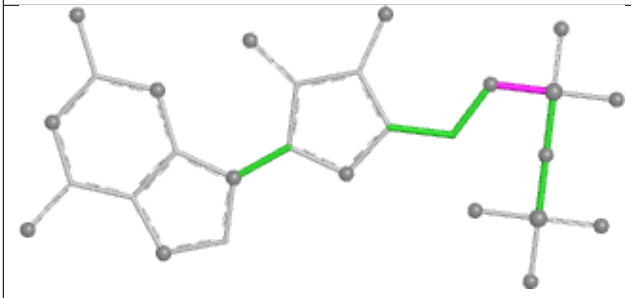
Ligand GDP IH 501



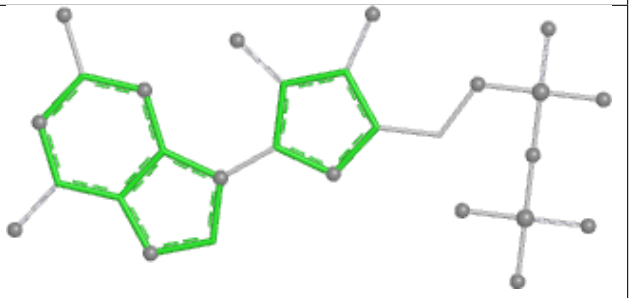
Bond lengths



Bond angles

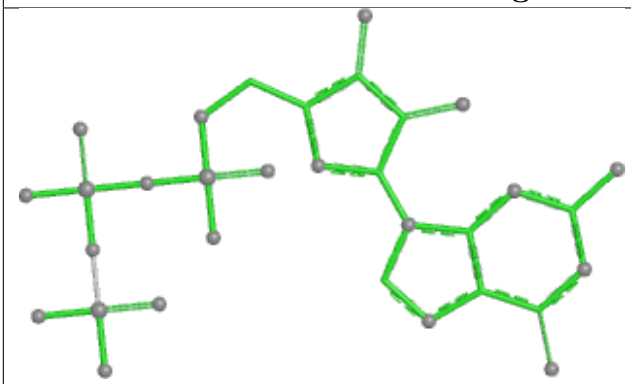


Torsions

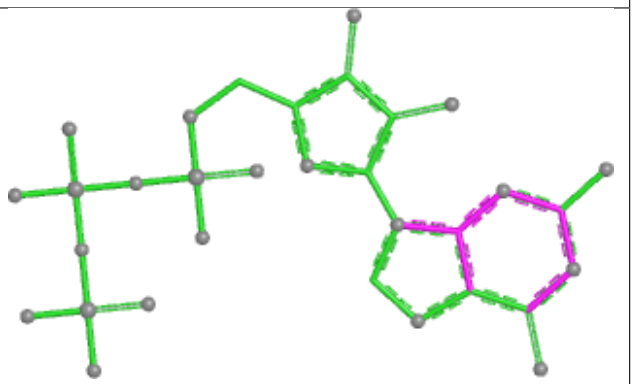


Rings

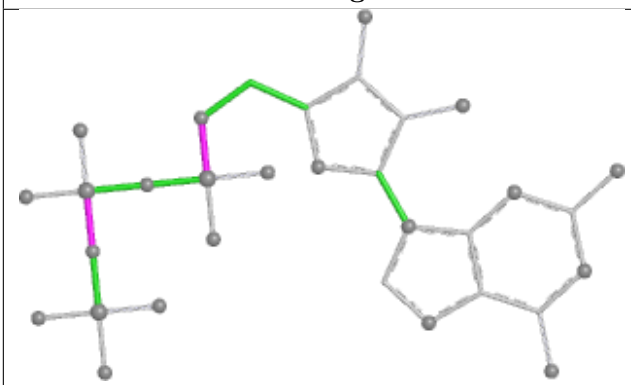
Ligand GTP BL 501



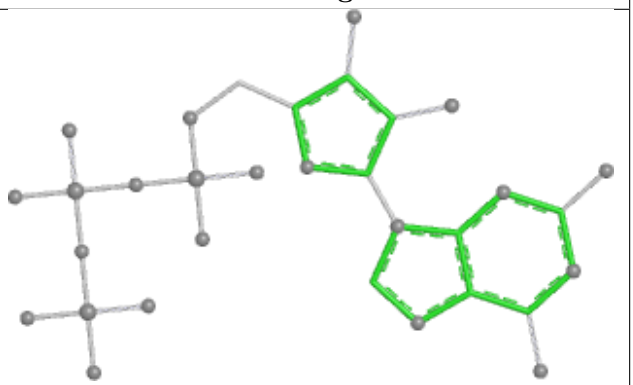
Bond lengths



Bond angles

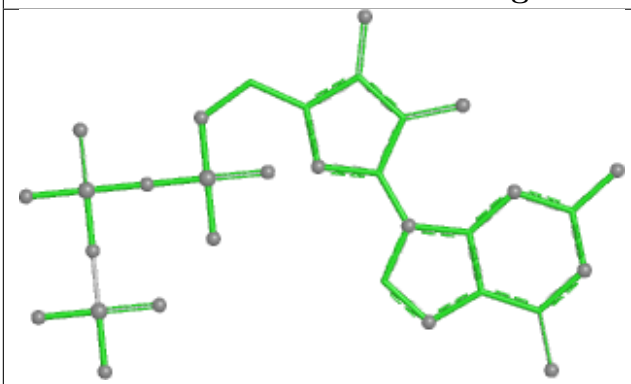


Torsions

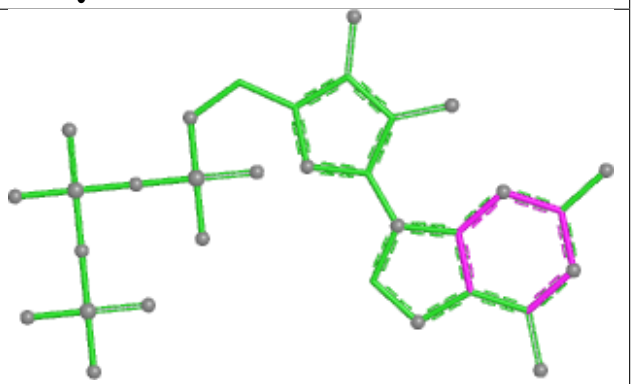


Rings

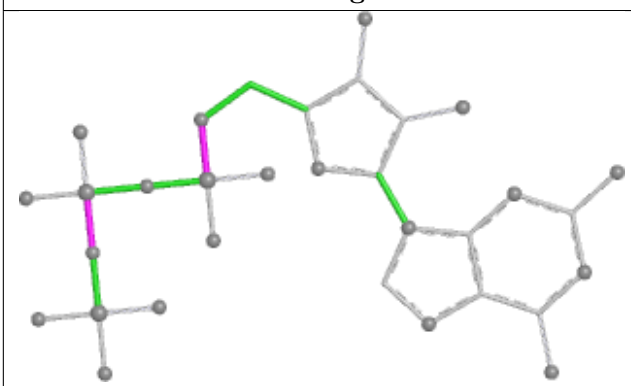
Ligand GTP FQ 501



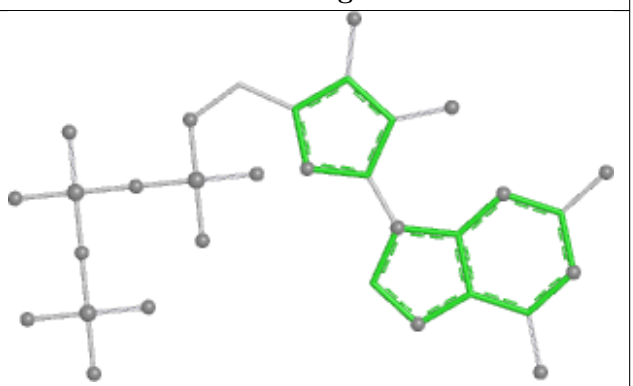
Bond lengths



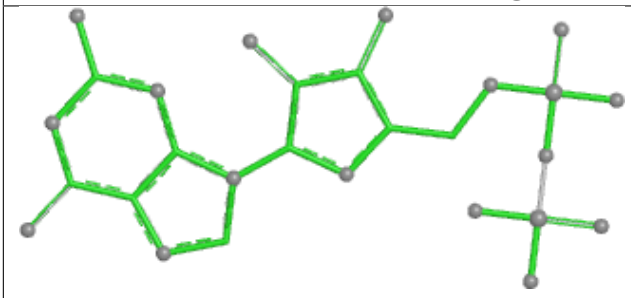
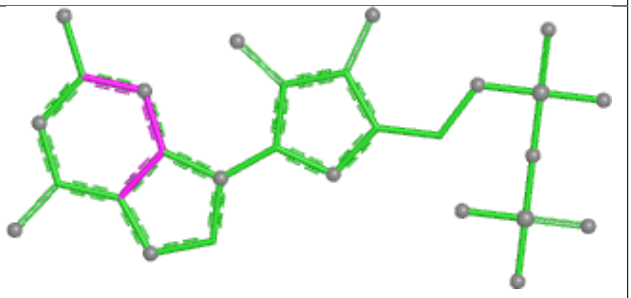
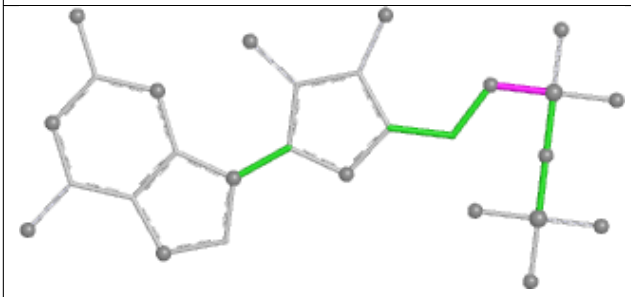
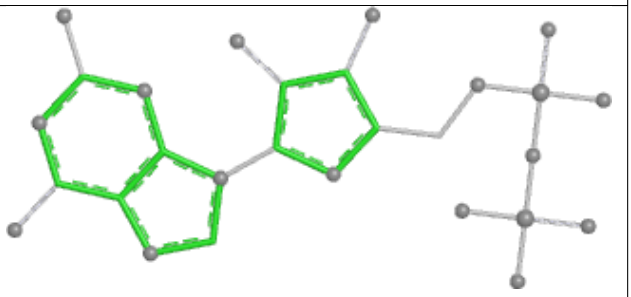
Bond angles

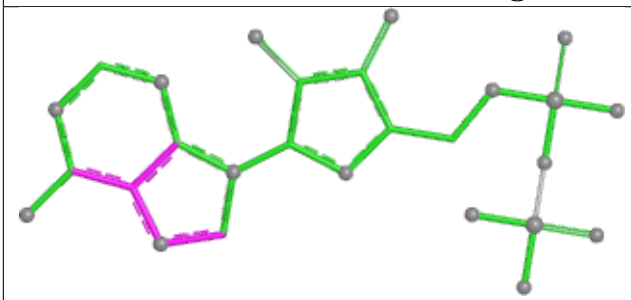
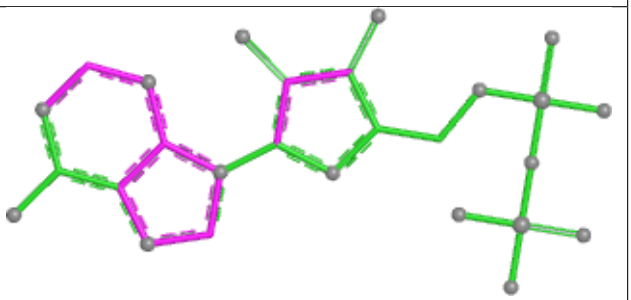
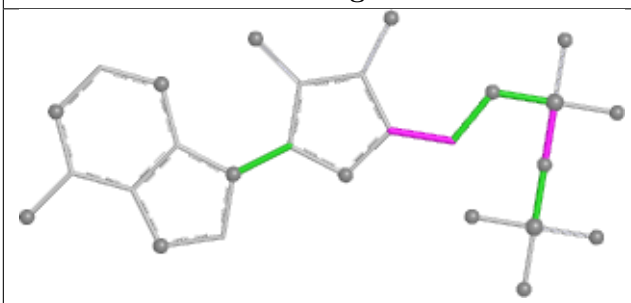
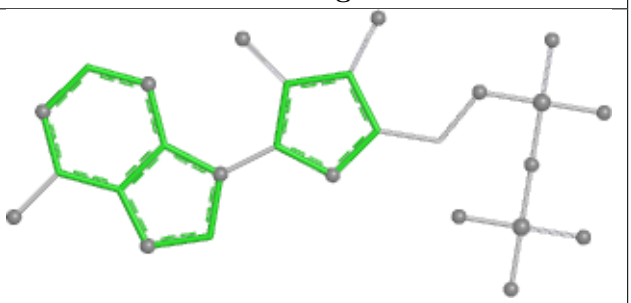


Torsions

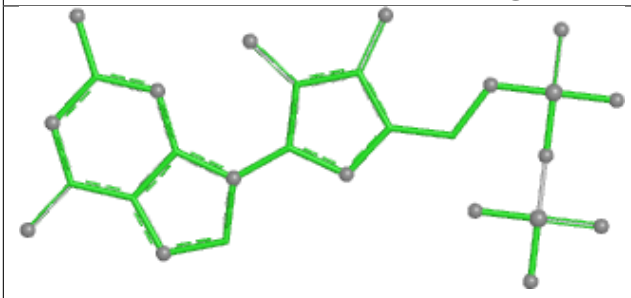


Rings

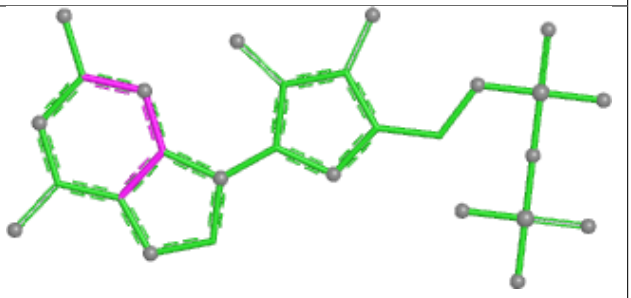
Ligand GDP KC 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand ADP 8e 4701	
 Bond lengths	 Bond angles
 Torsions	 Rings

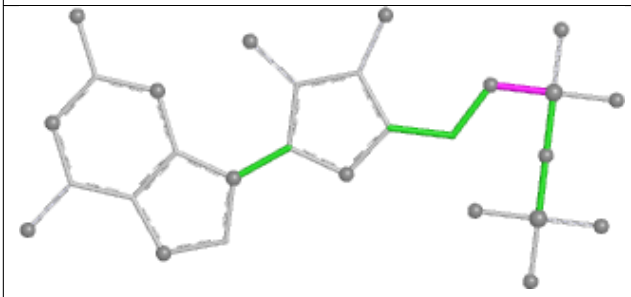
Ligand GDP LW 501



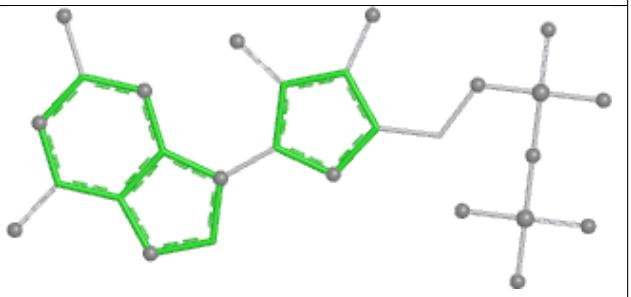
Bond lengths



Bond angles

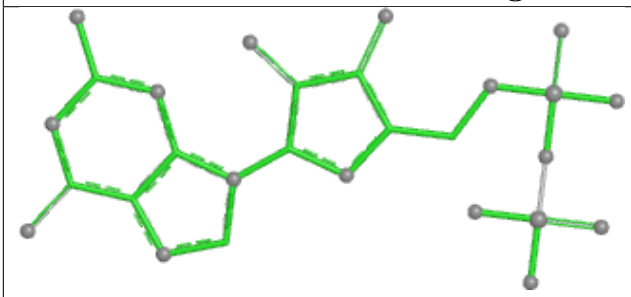


Torsions

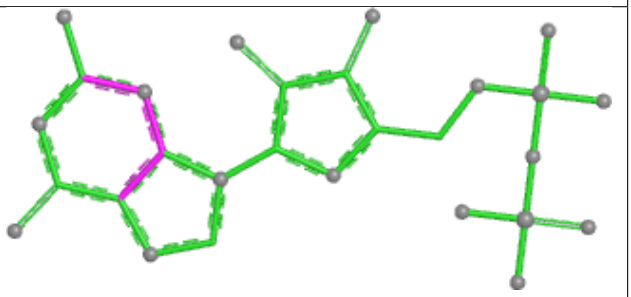


Rings

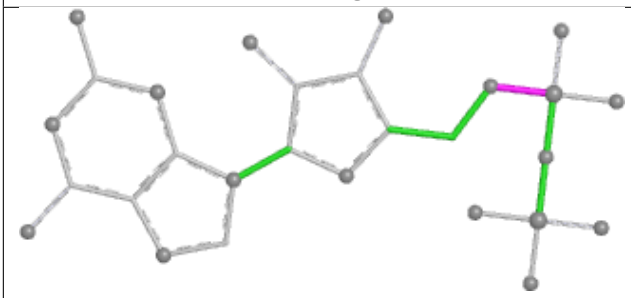
Ligand GDP GV 501



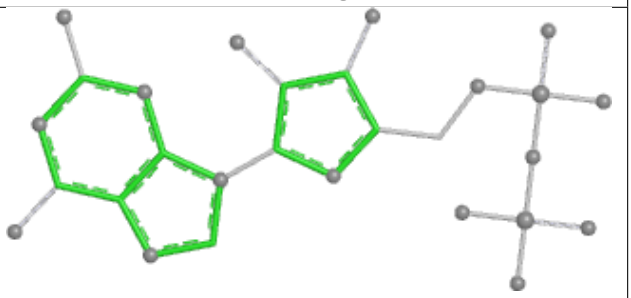
Bond lengths



Bond angles

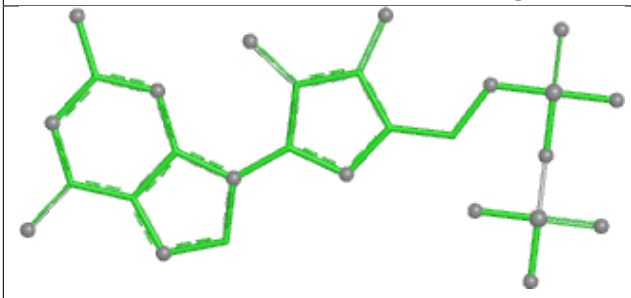


Torsions

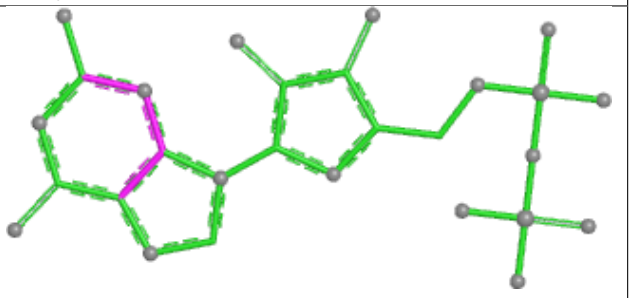


Rings

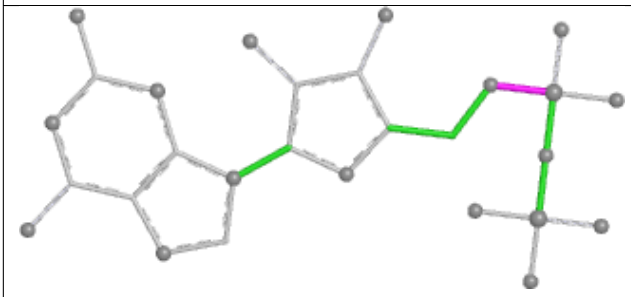
Ligand GDP QF 501



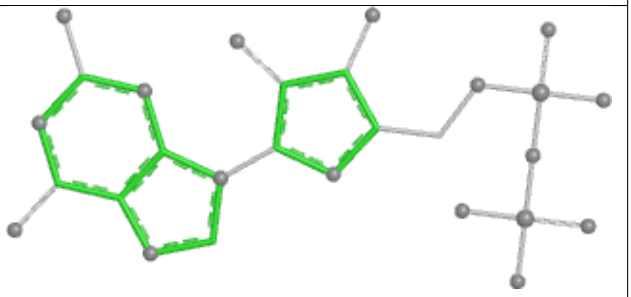
Bond lengths



Bond angles

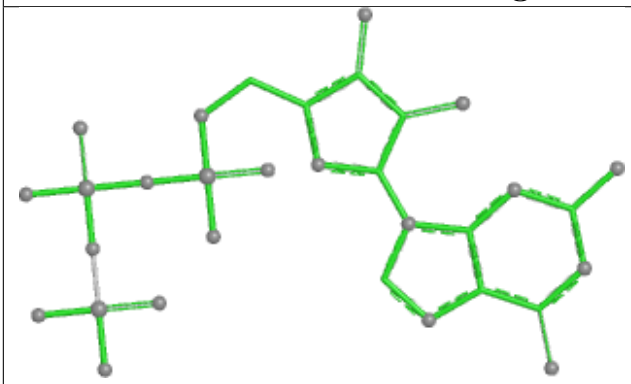


Torsions

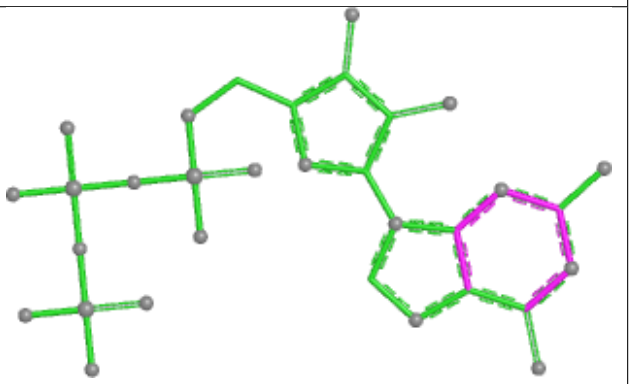


Rings

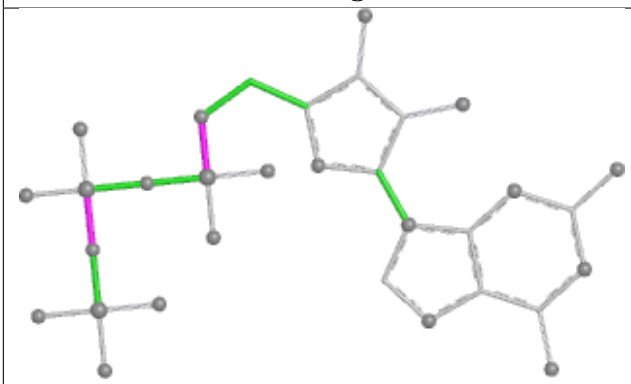
Ligand GTP SG 501



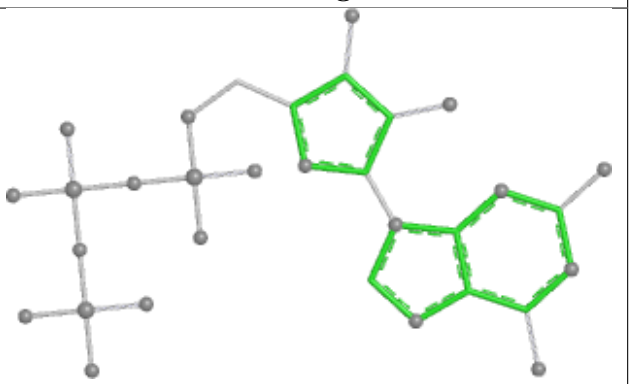
Bond lengths



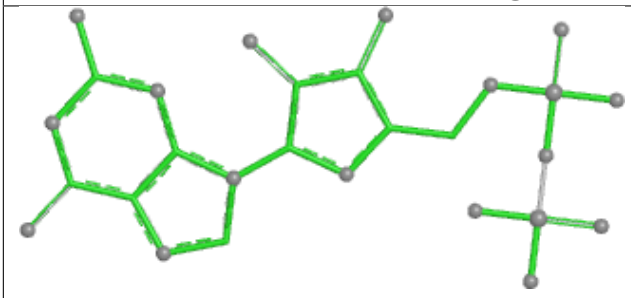
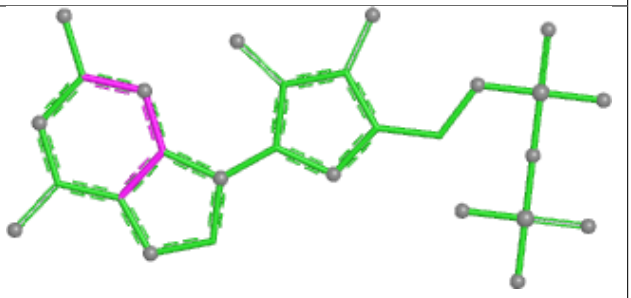
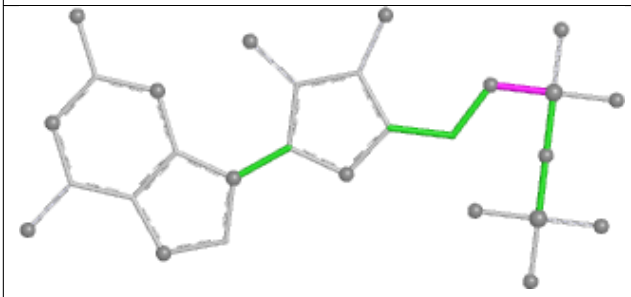
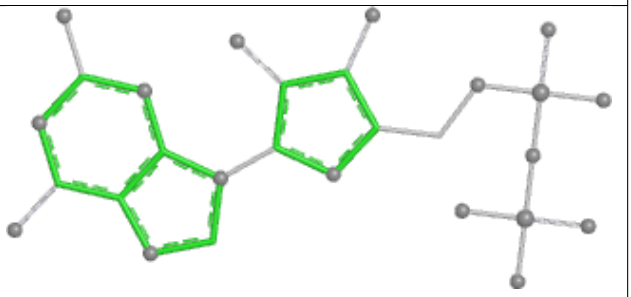
Bond angles

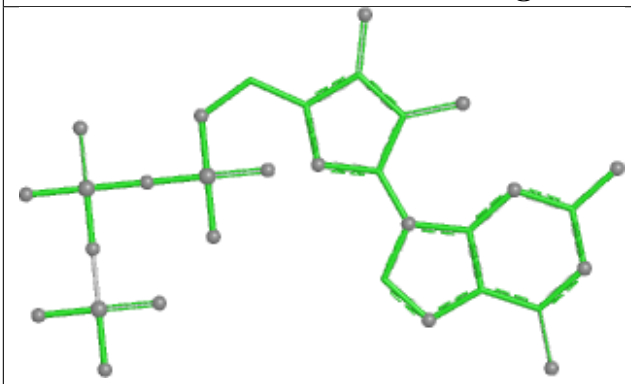
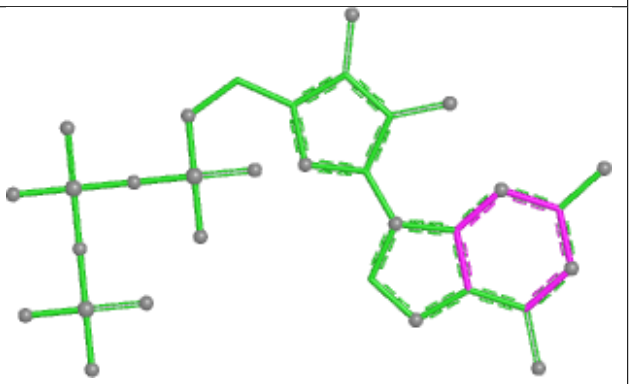
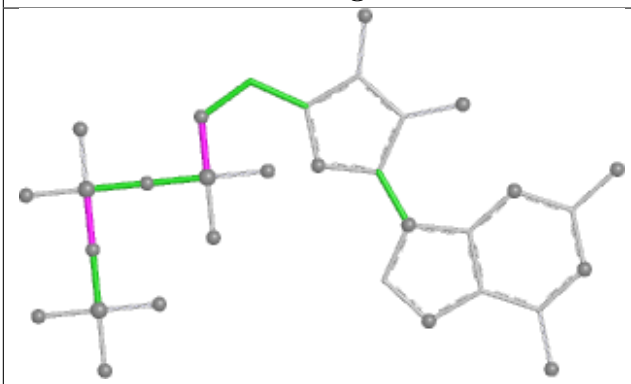
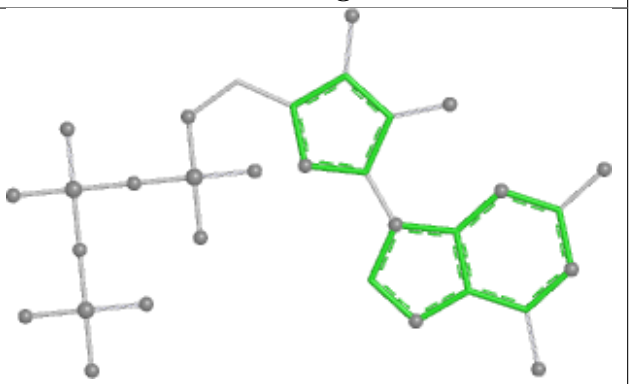


Torsions

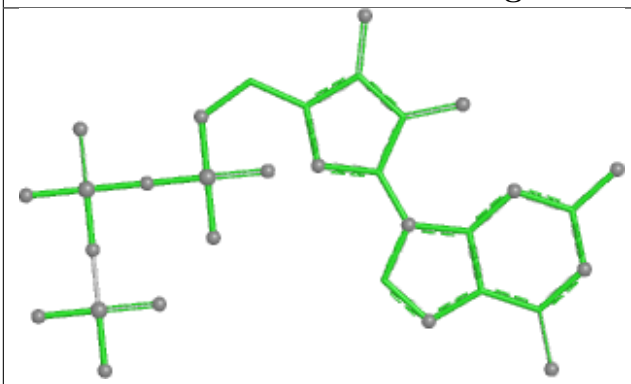


Rings

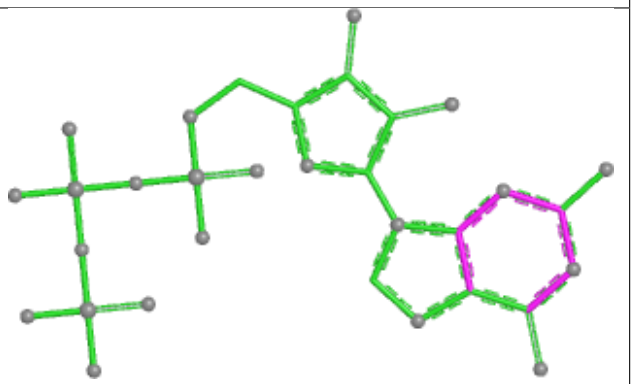
Ligand GDP HV 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP GI 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

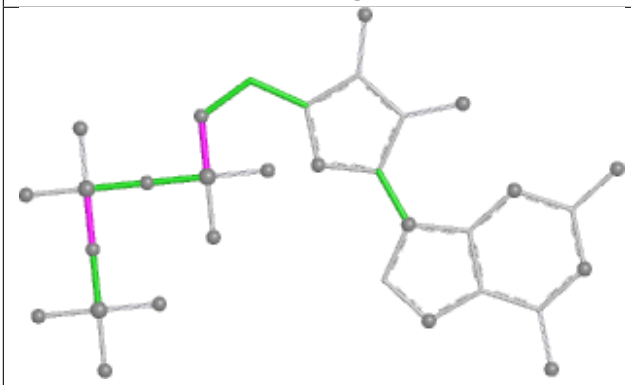
Ligand GTP GM 501



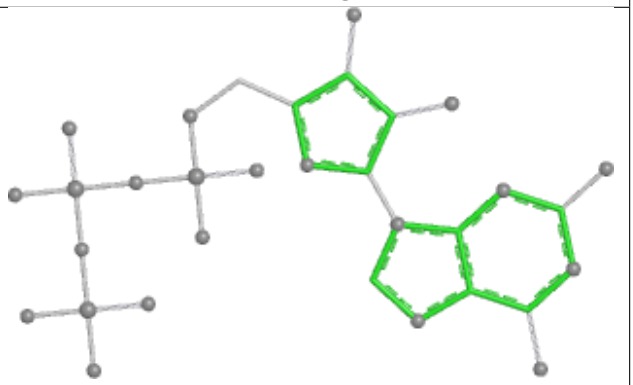
Bond lengths



Bond angles

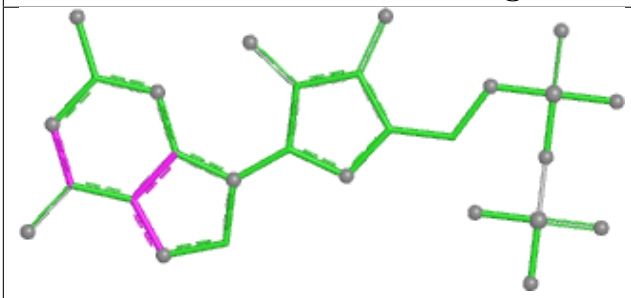


Torsions

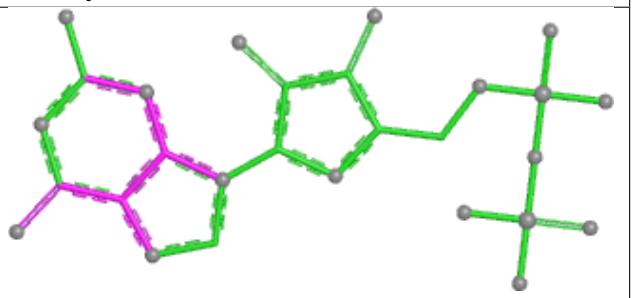


Rings

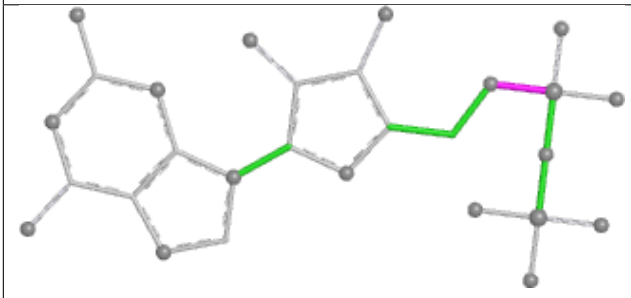
Ligand GDP MQ 501



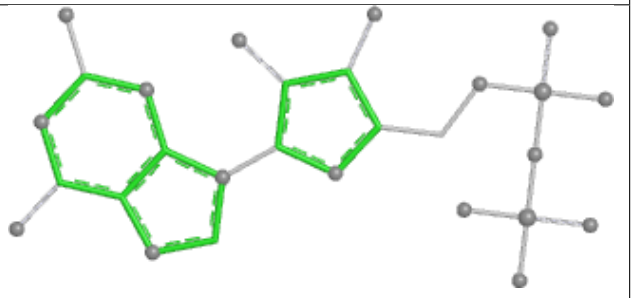
Bond lengths



Bond angles

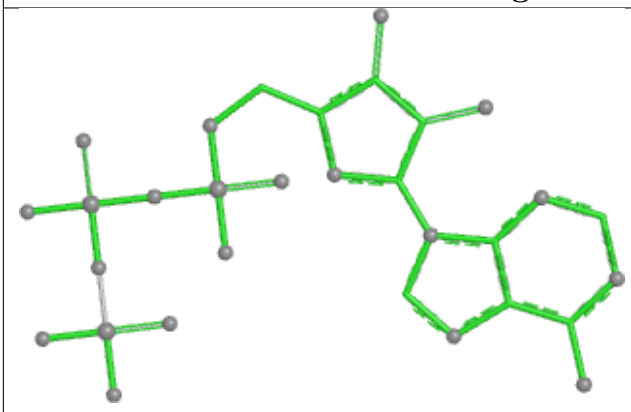


Torsions

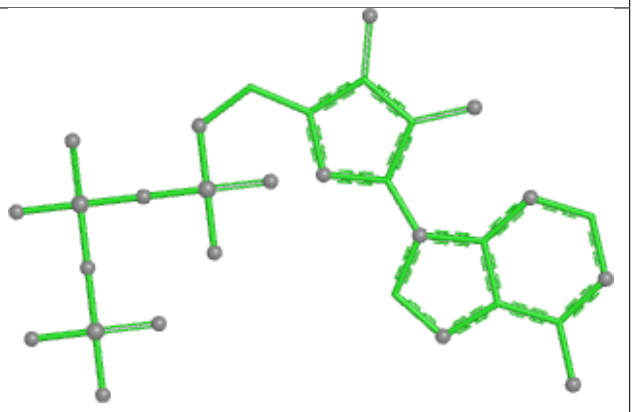


Rings

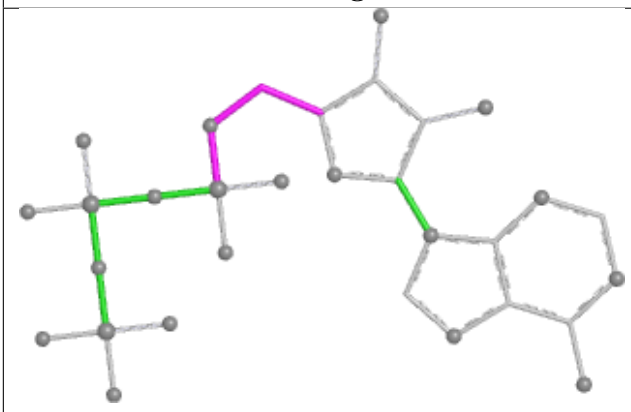
Ligand ATP 8e 4703



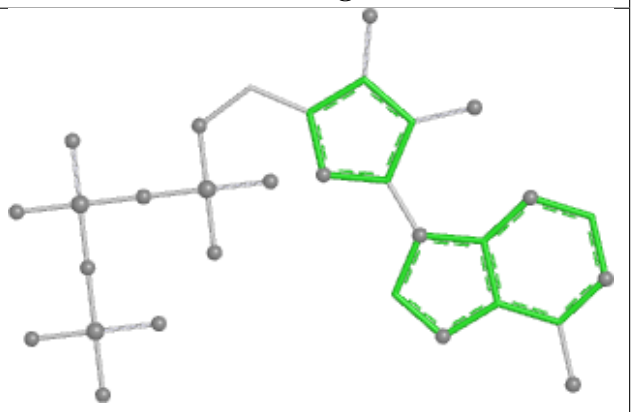
Bond lengths



Bond angles

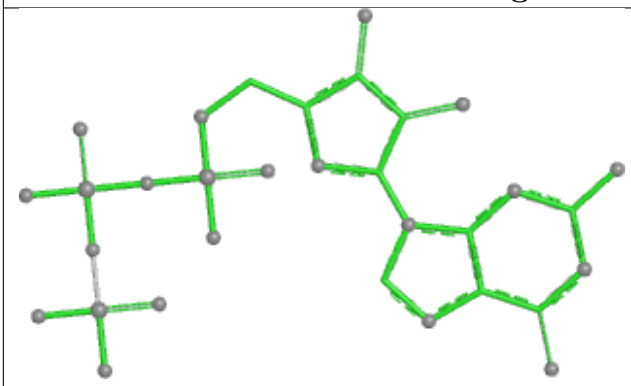


Torsions

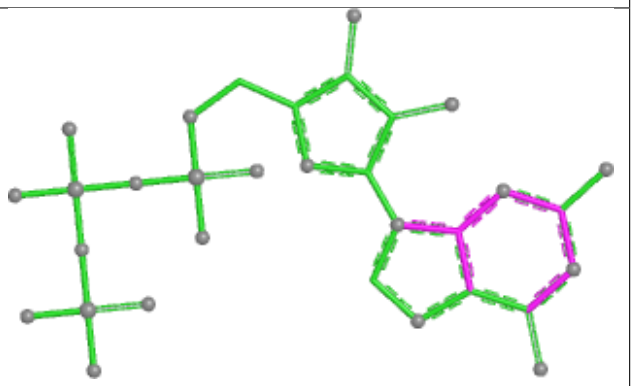


Rings

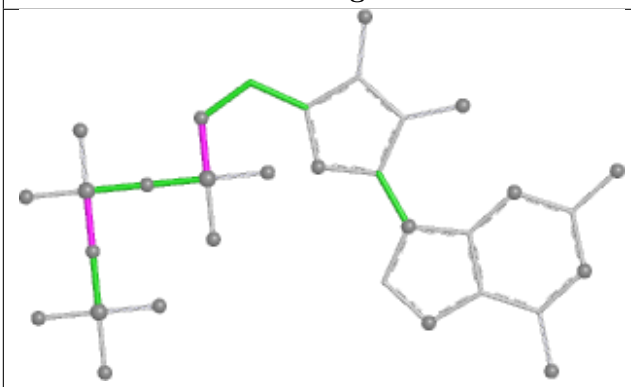
Ligand GTP LD 602



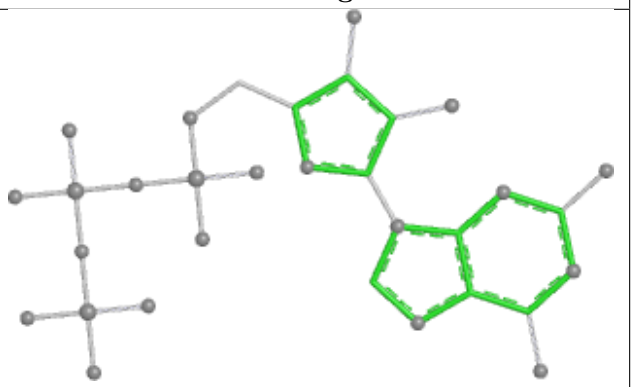
Bond lengths



Bond angles

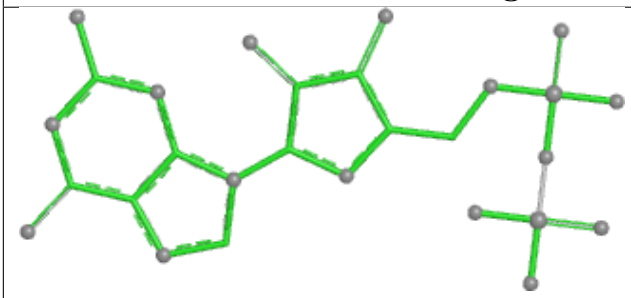


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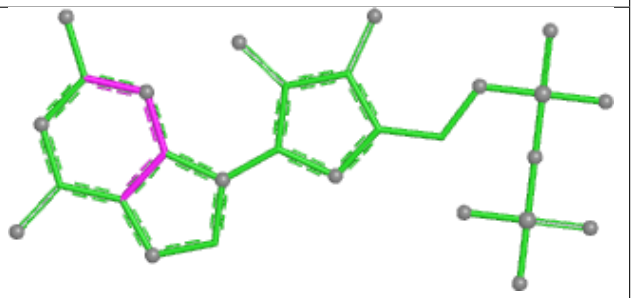


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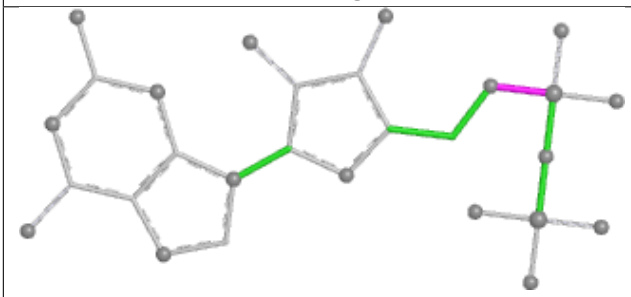
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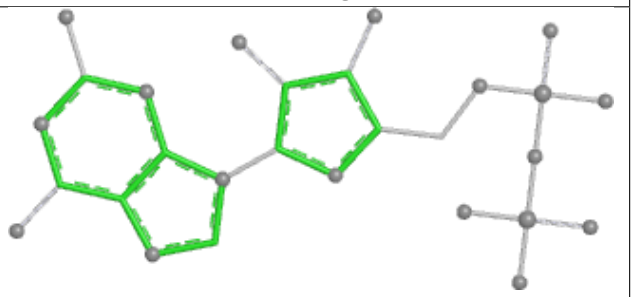
Bond lengths



Bond angles

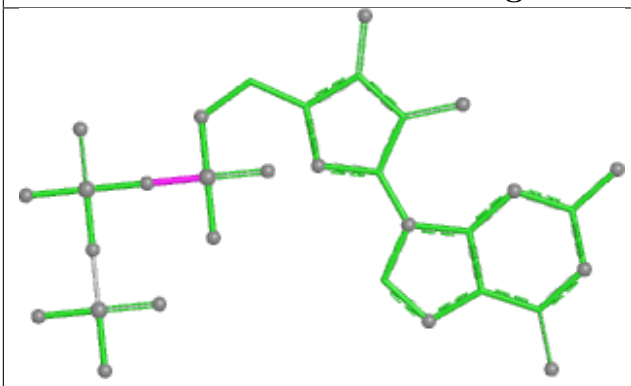


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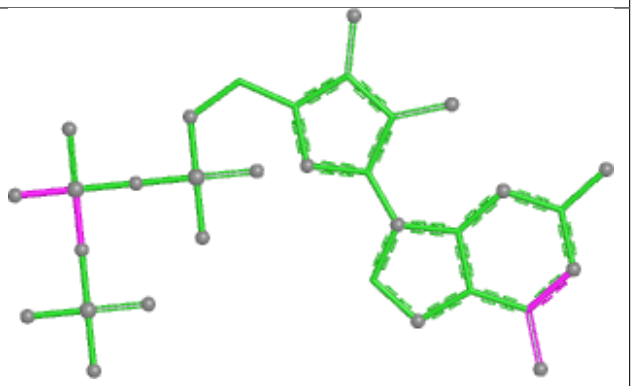


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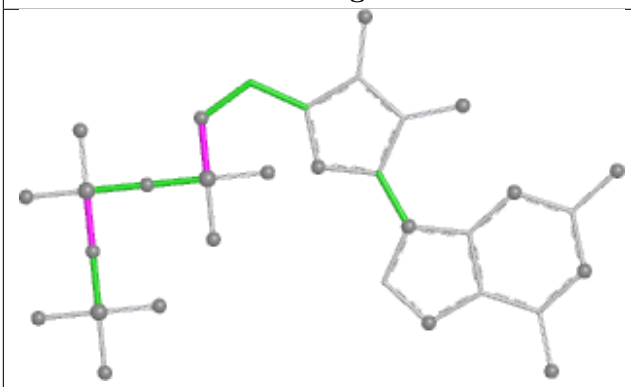
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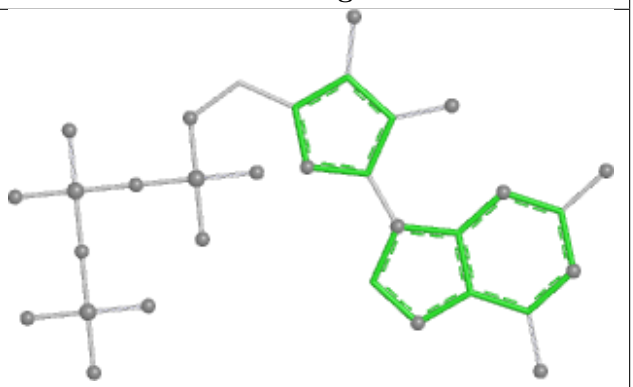
Bond lengths



Bond angles

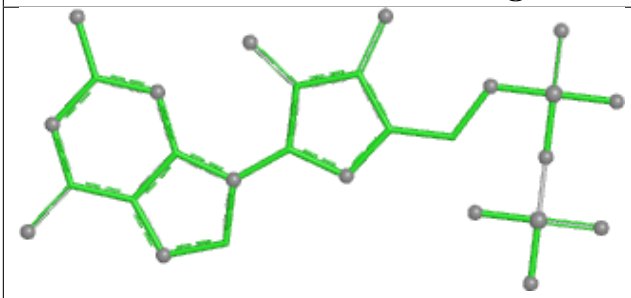


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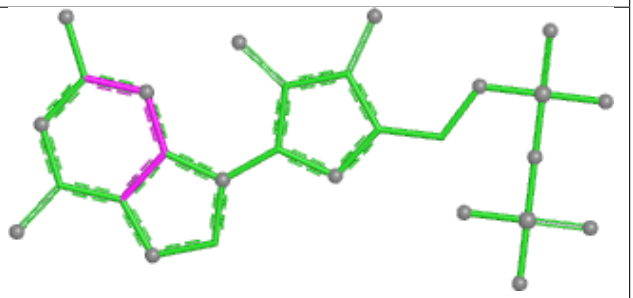


Rings

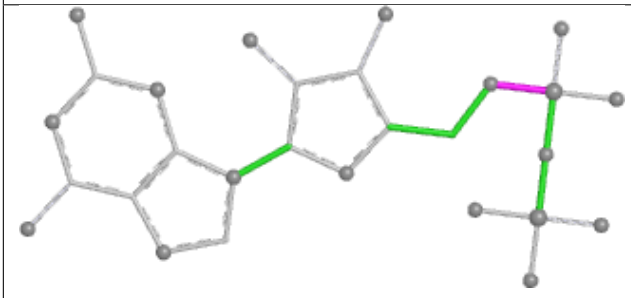
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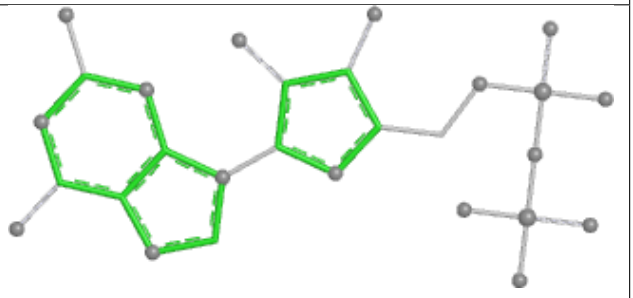
Bond lengths



Bond angles

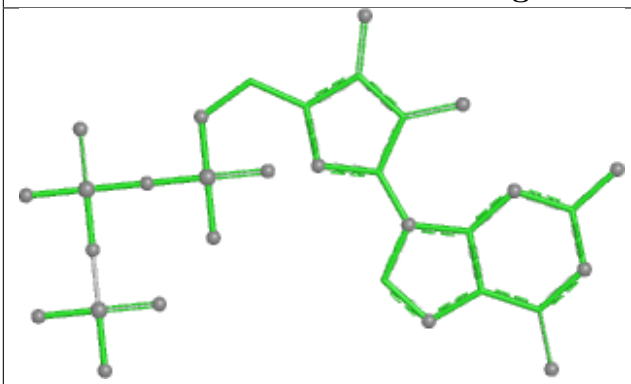


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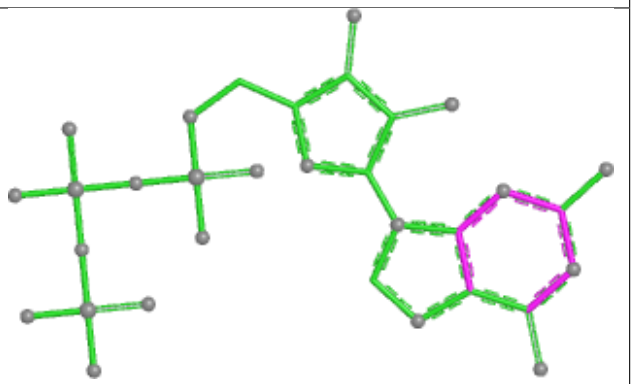


Rings

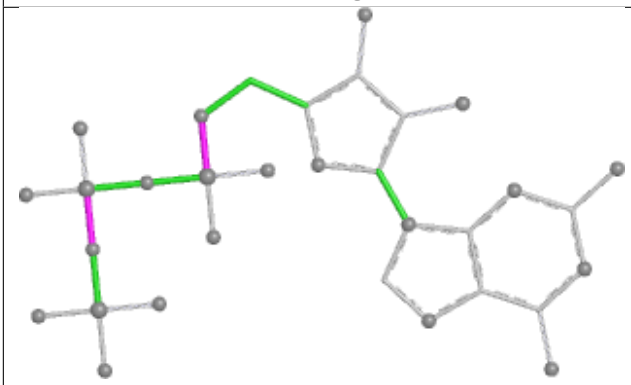
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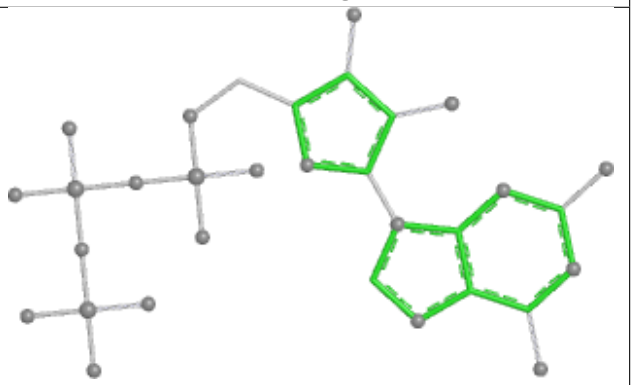
Bond lengths



Bond angles

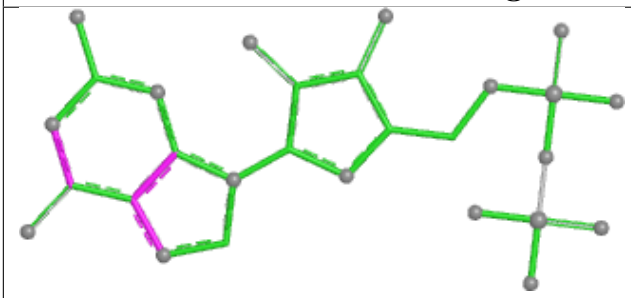


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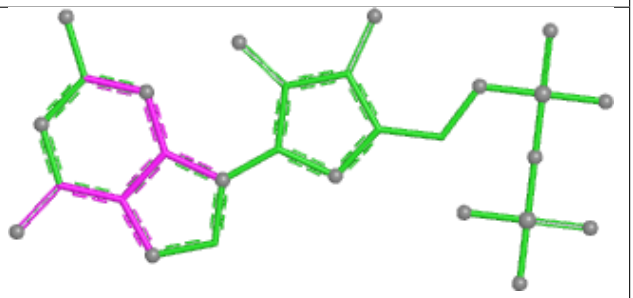


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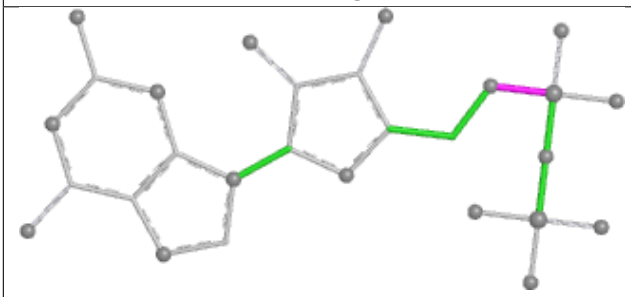
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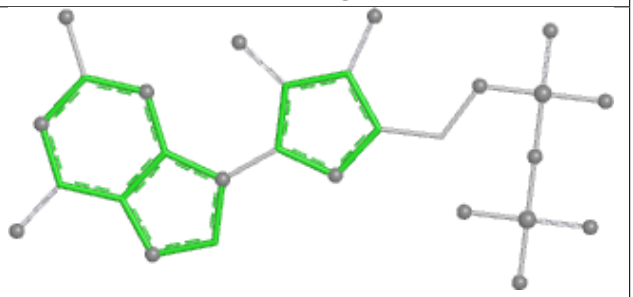
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Bond angles

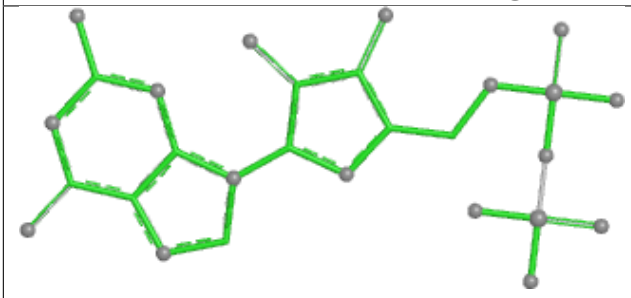


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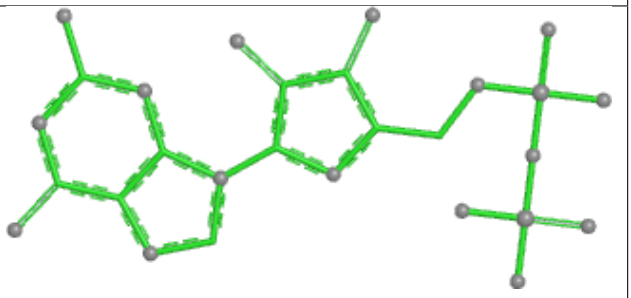


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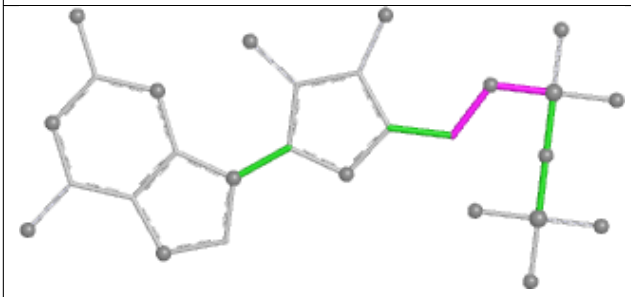
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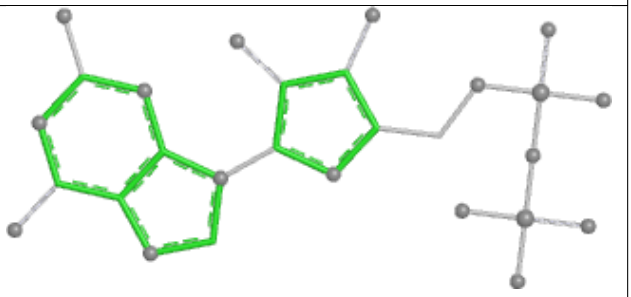
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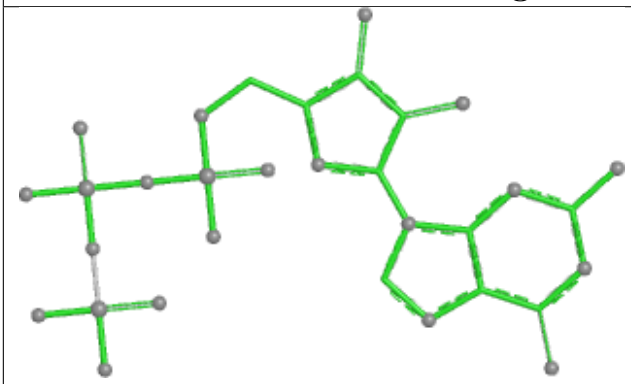


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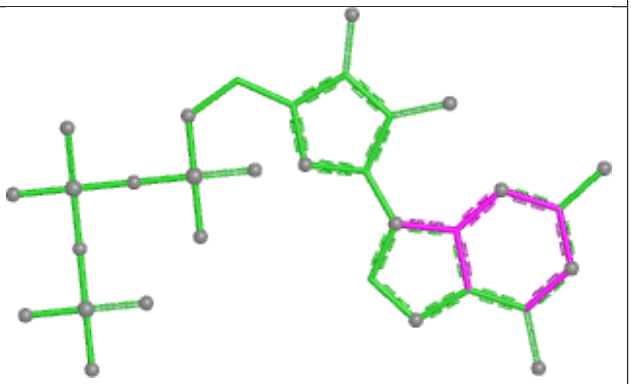


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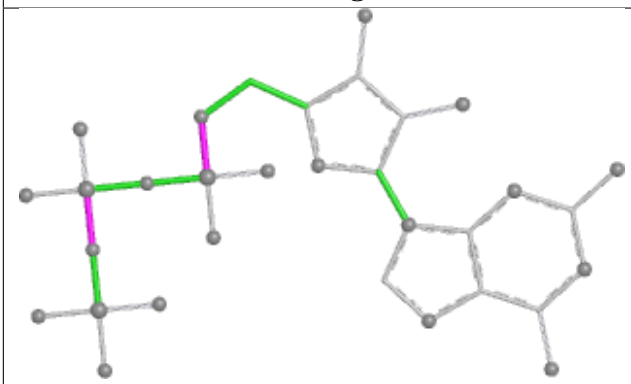
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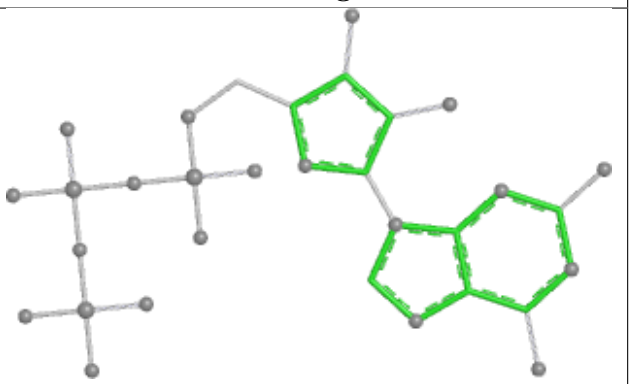
Bond lengths



Bond angles

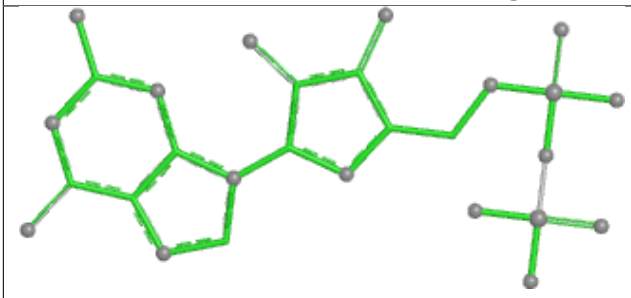


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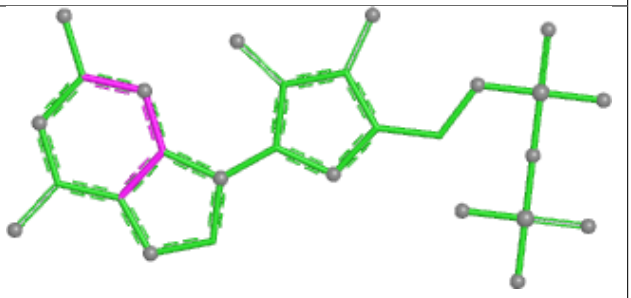


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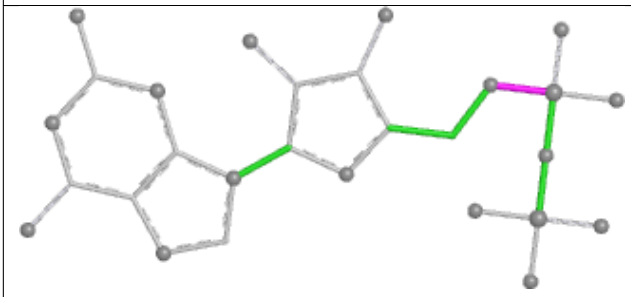
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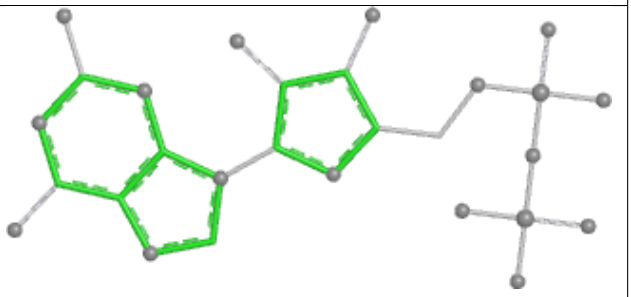
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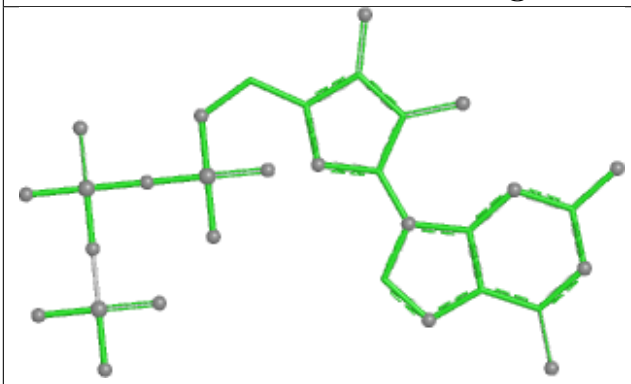


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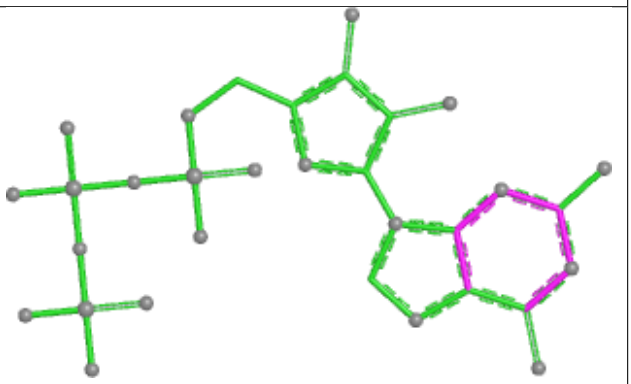


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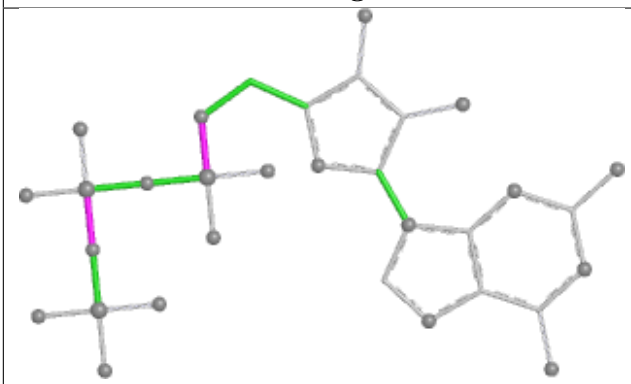
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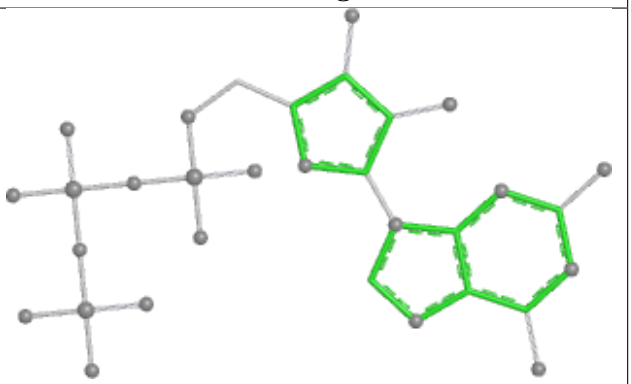
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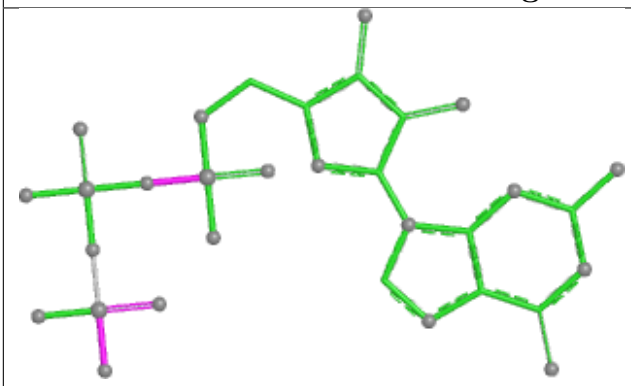


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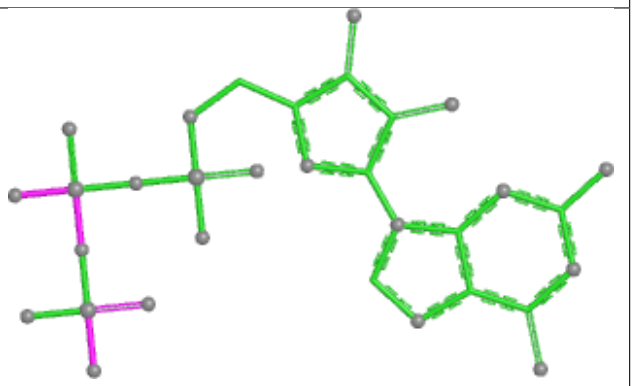


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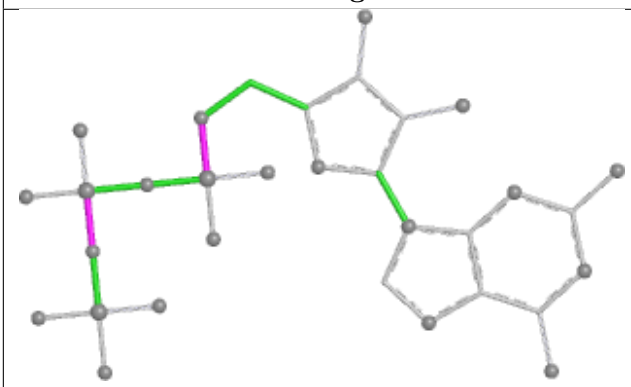
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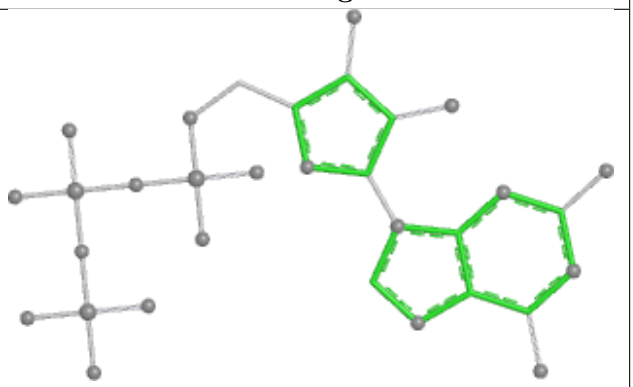
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Bond angles

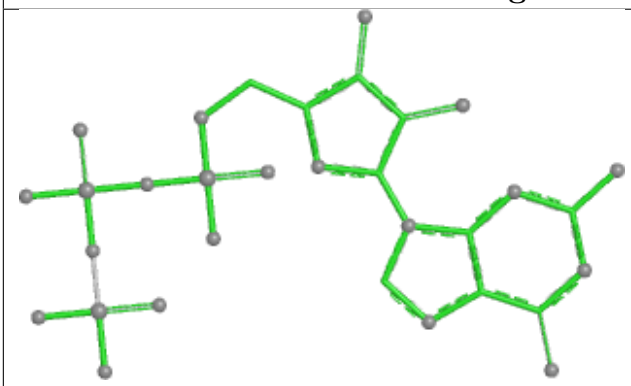


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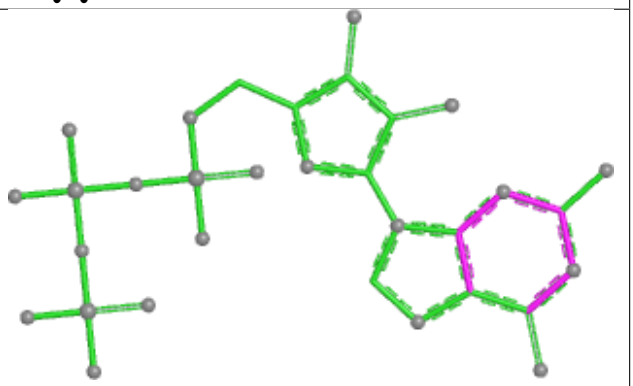


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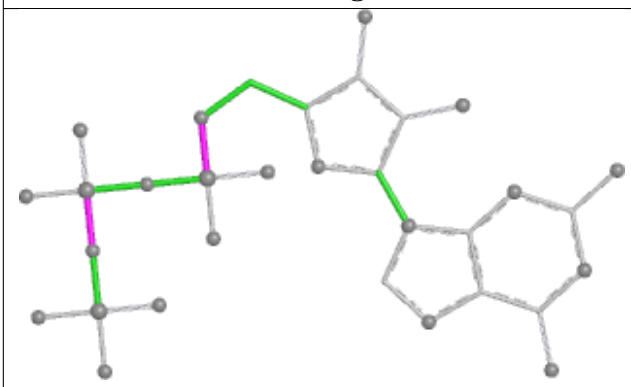
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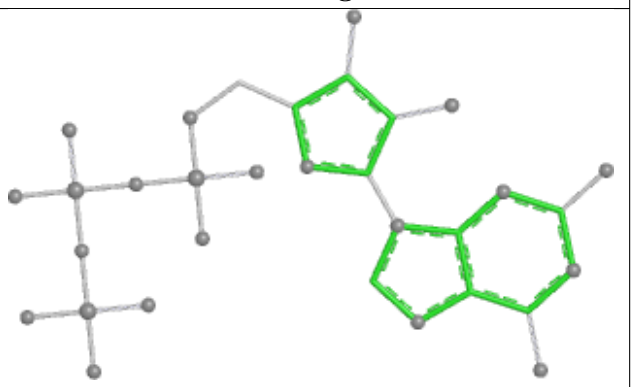
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Bond angles

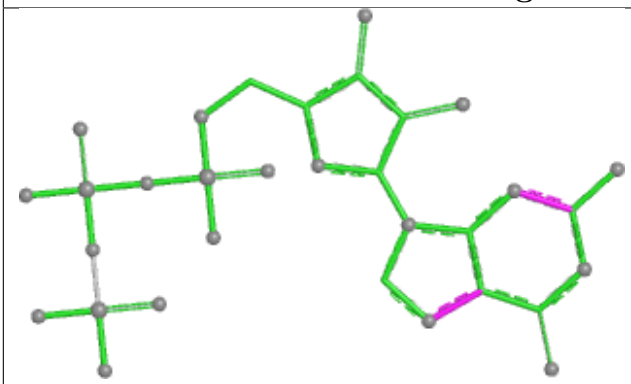


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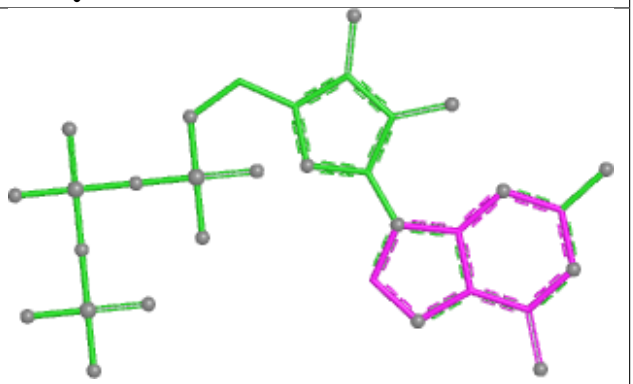


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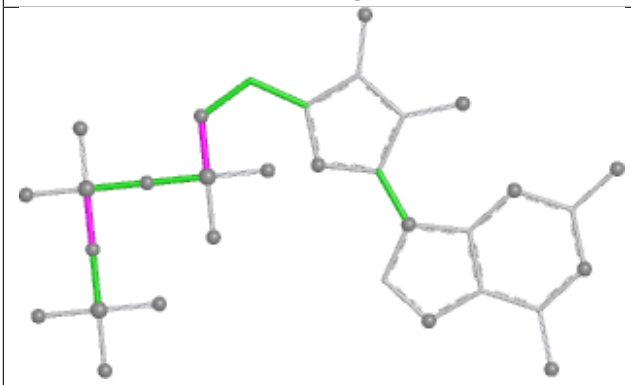
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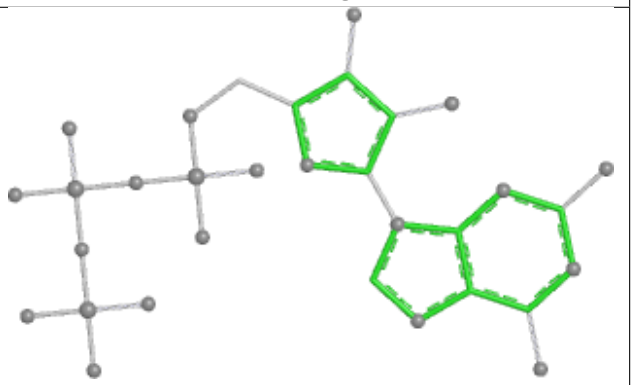
Bond lengths



Bond angles

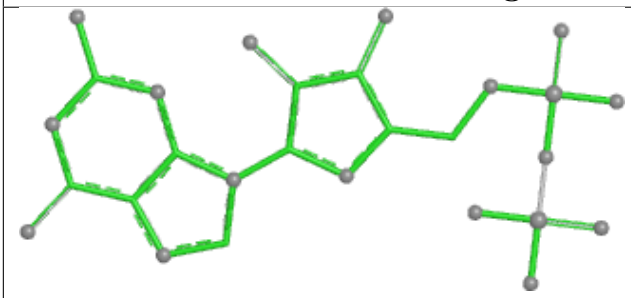


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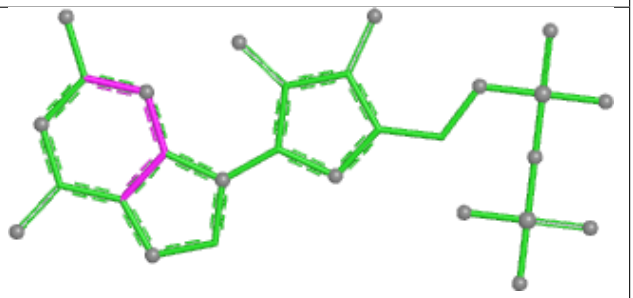


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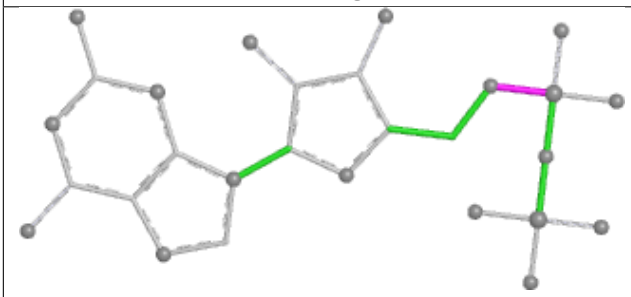
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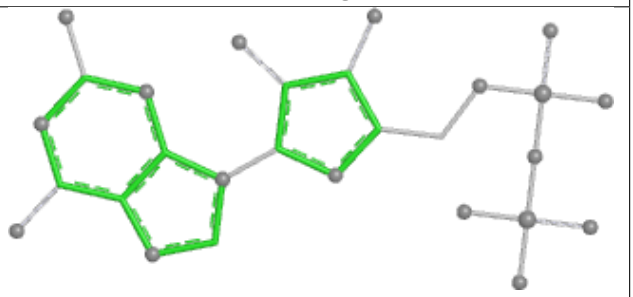
Bond lengths



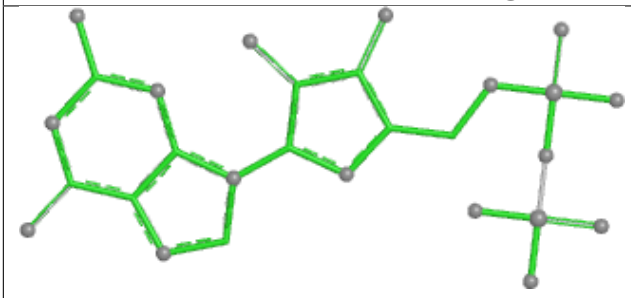
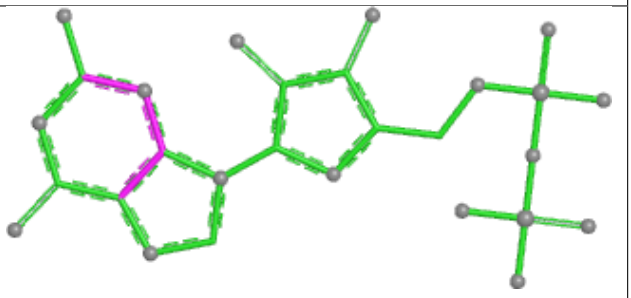
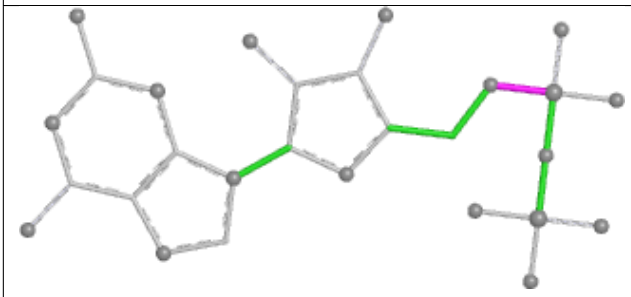
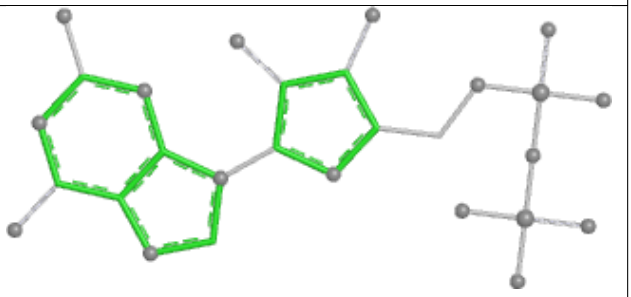
Bond angles

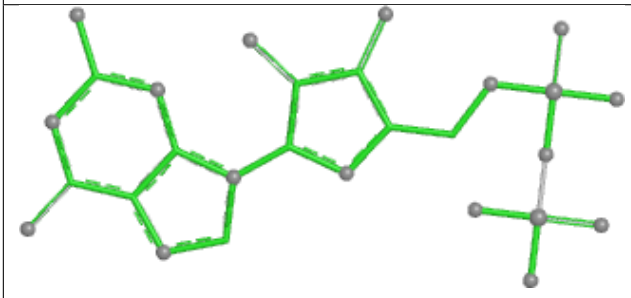
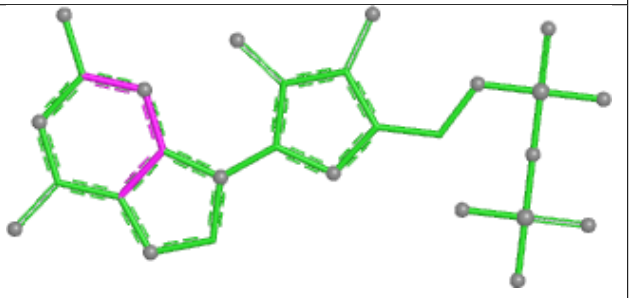
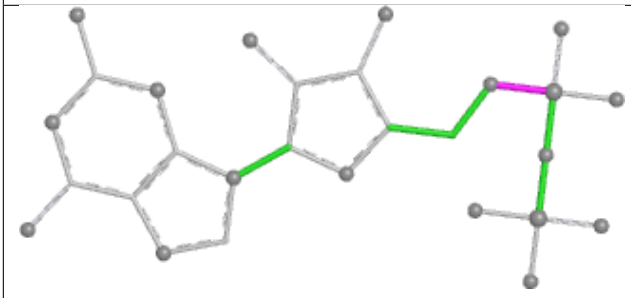
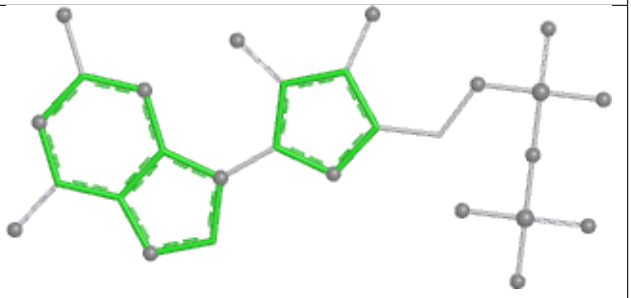


Torsions

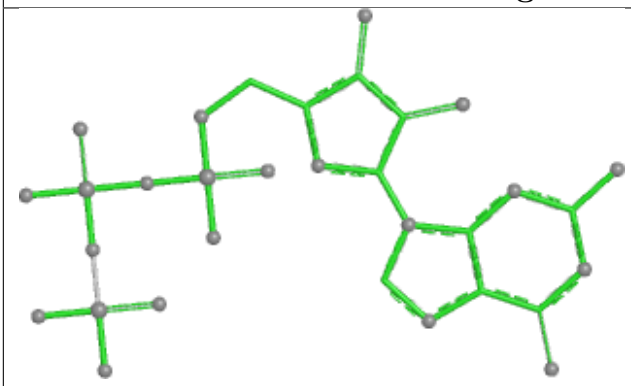


Rings

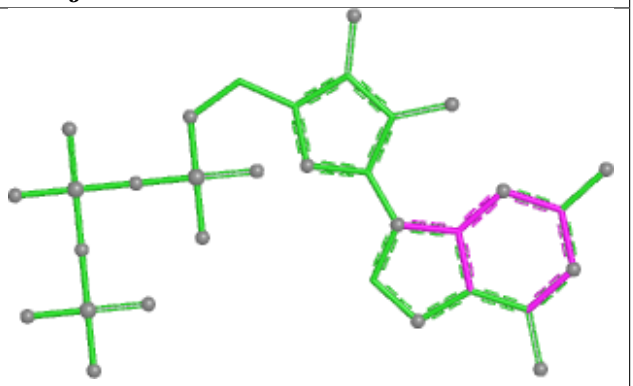
Ligand GDP WH 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP XN 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

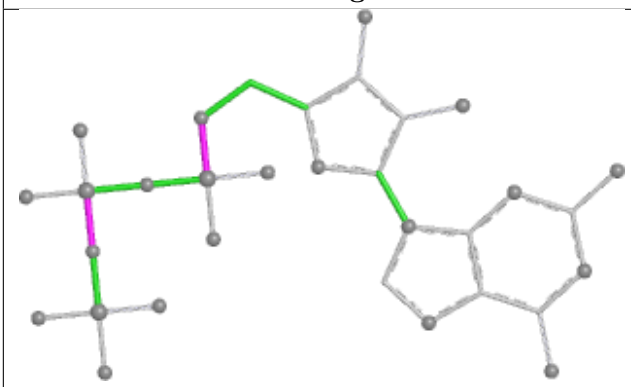
Ligand GTP Aj 501



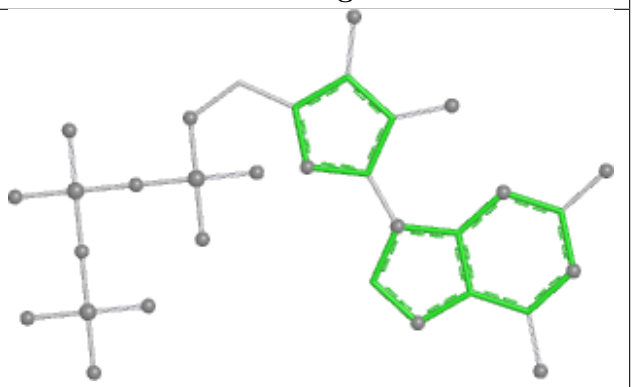
Bond lengths



Bond angles

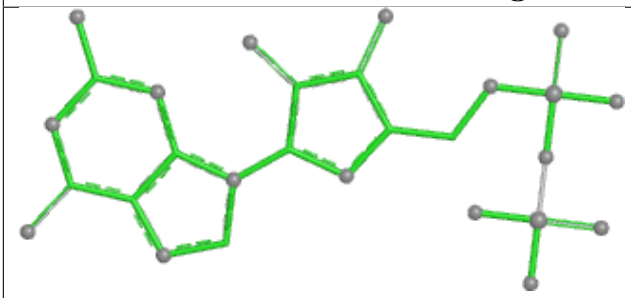


Torsions

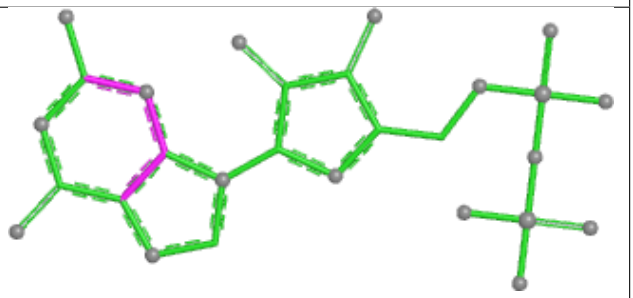


Rings

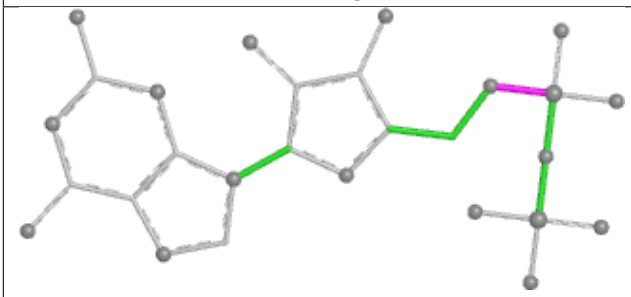
Ligand GDP DE 501



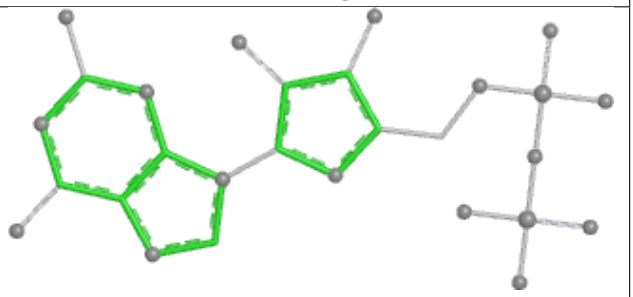
Bond lengths



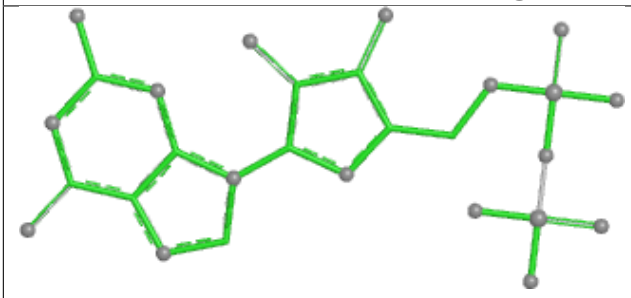
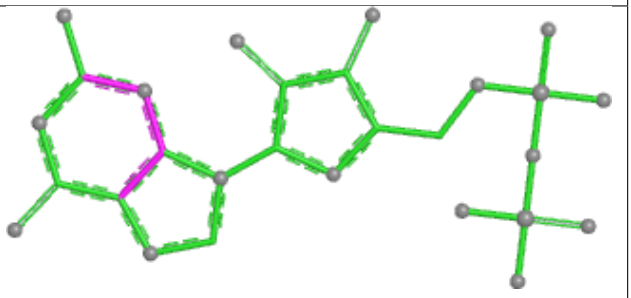
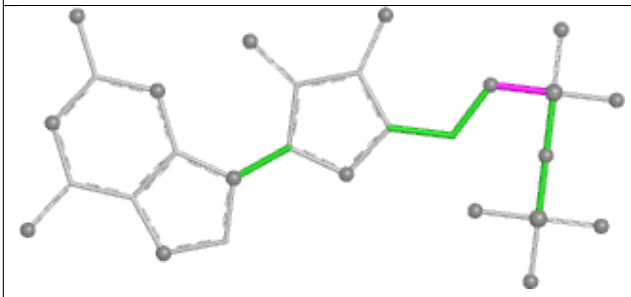
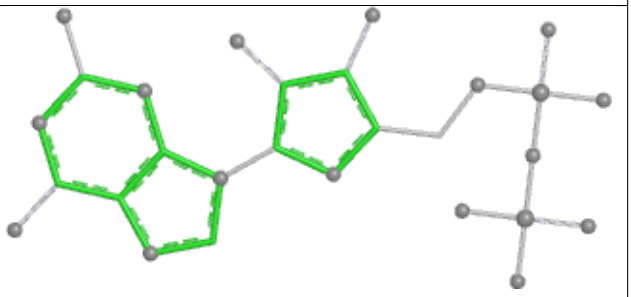
Bond angles

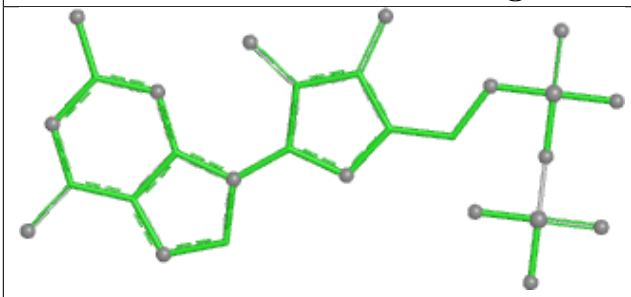
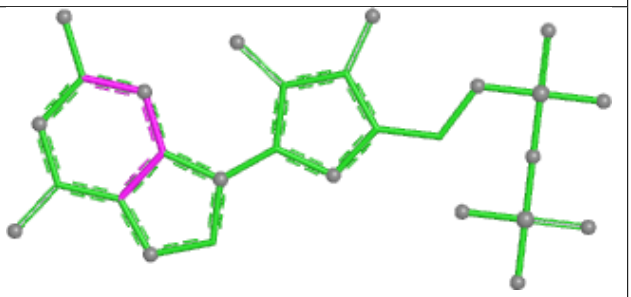
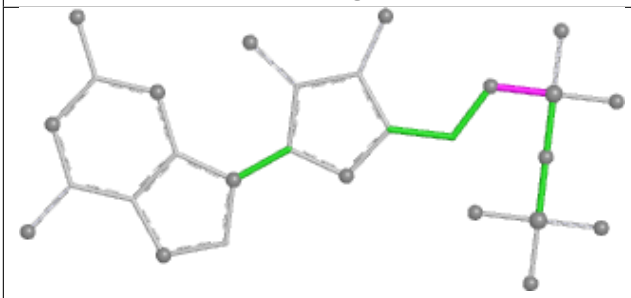
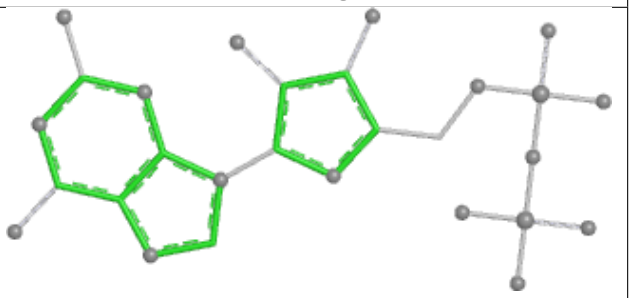


Torsions

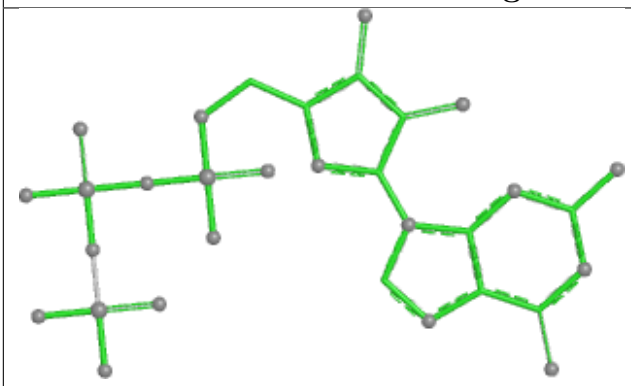


Rings

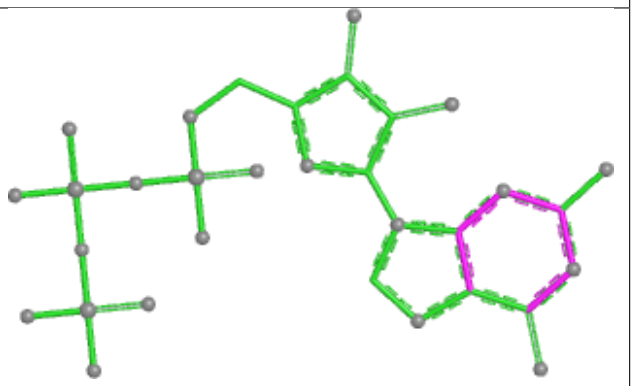
Ligand GDP LC 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP VN 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

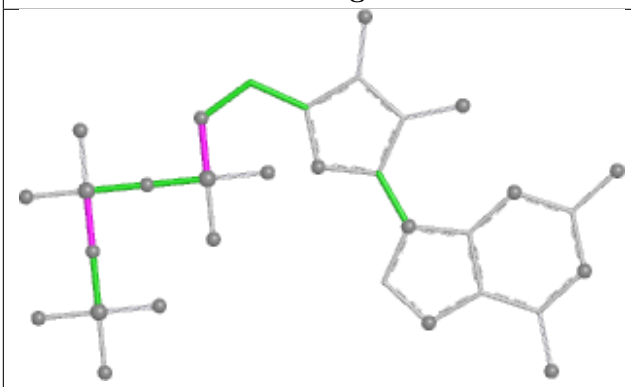
Ligand GTP WK 602



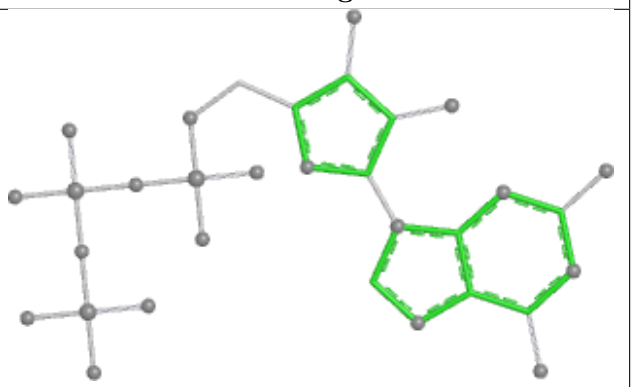
Bond lengths



Bond angles

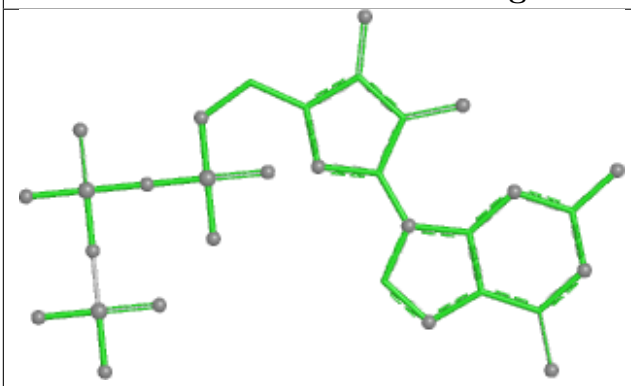


Torsions

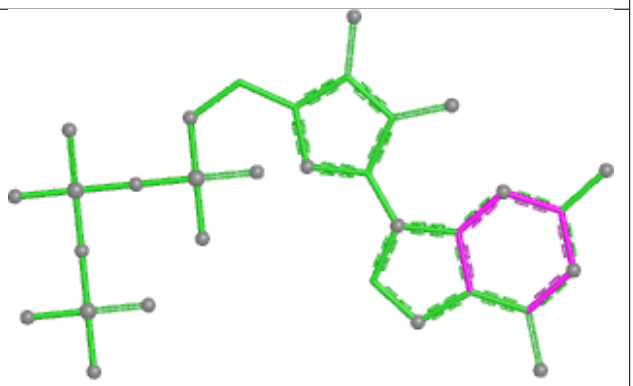


Rings

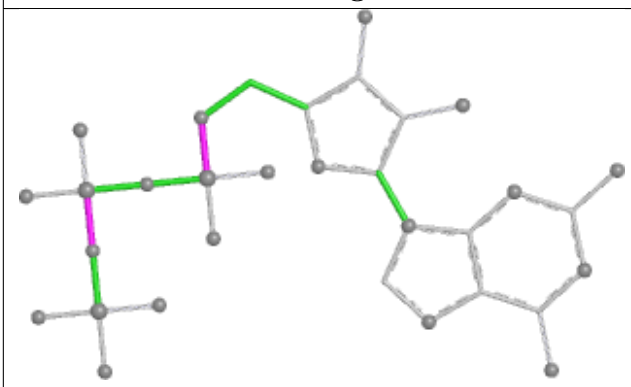
Ligand GTP OX 602



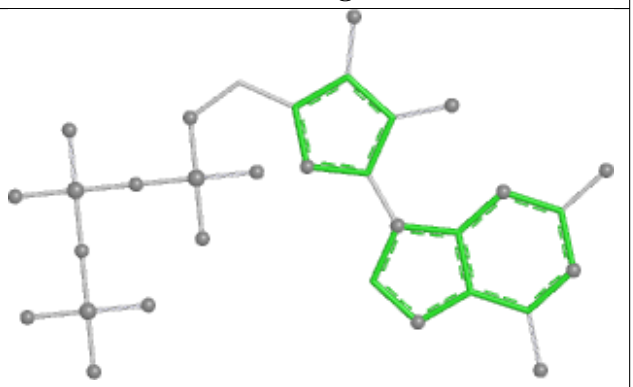
Bond lengths



Bond angles

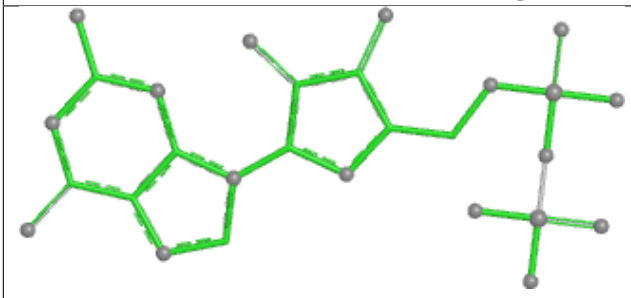


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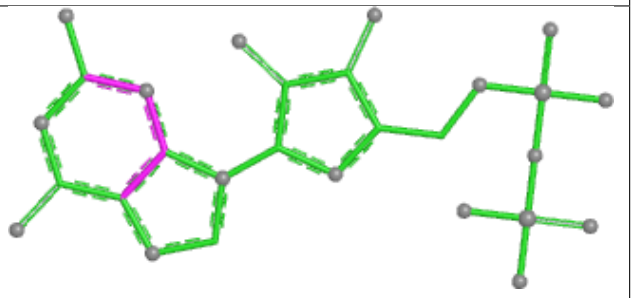


Rings

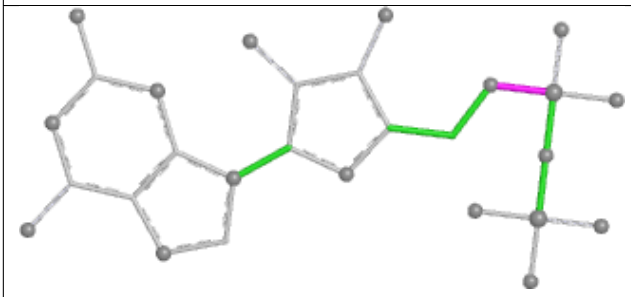
Ligand GDP BS 501



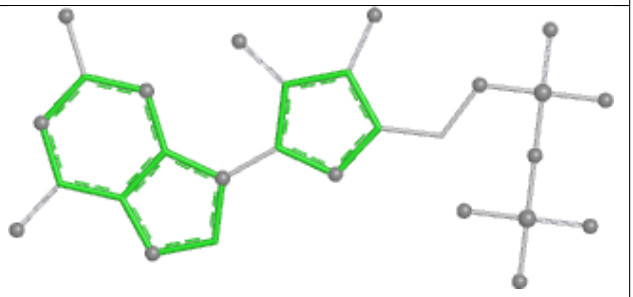
Bond lengths



Bond angles

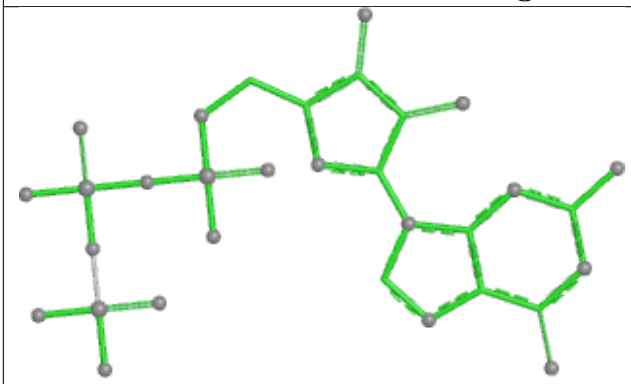


Torsions

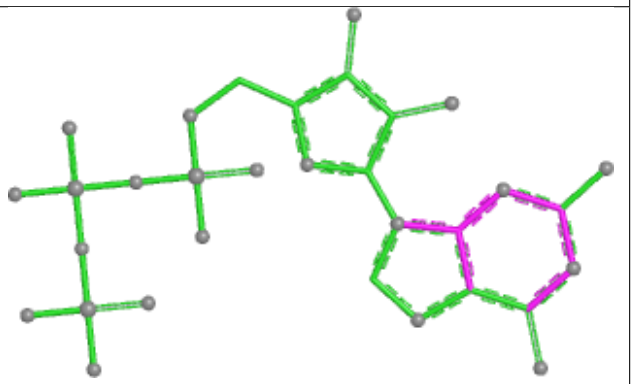


Rings

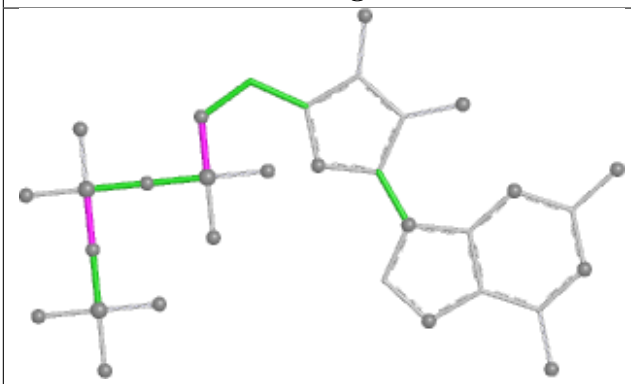
Ligand GTP CI 501



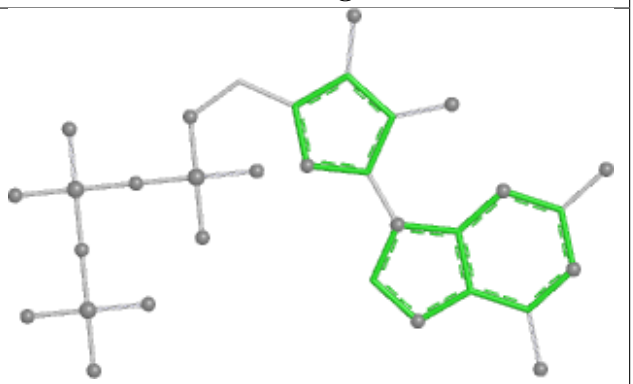
Bond lengths



Bond angles

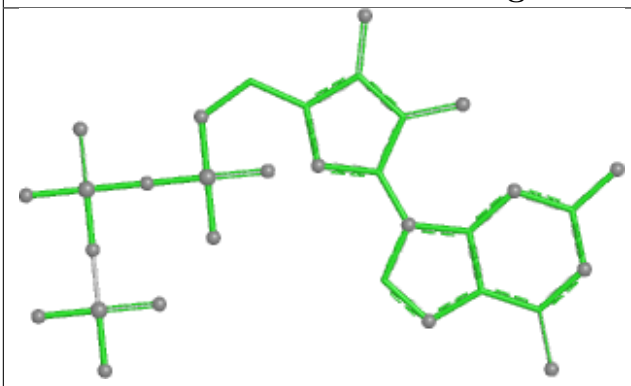


Torsions

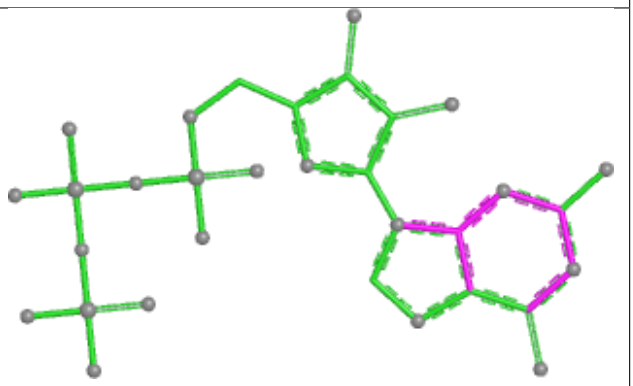


Rings

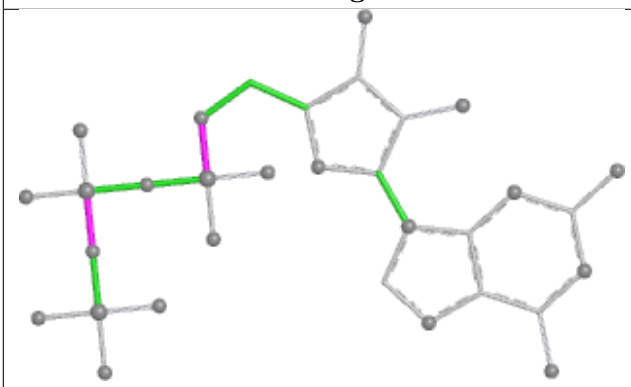
Ligand GTP NH 502



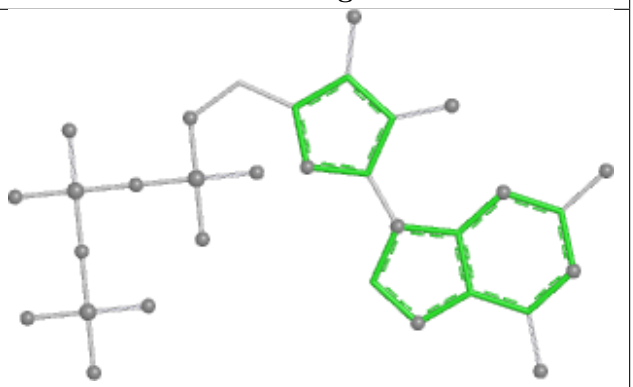
Bond lengths



Bond angles

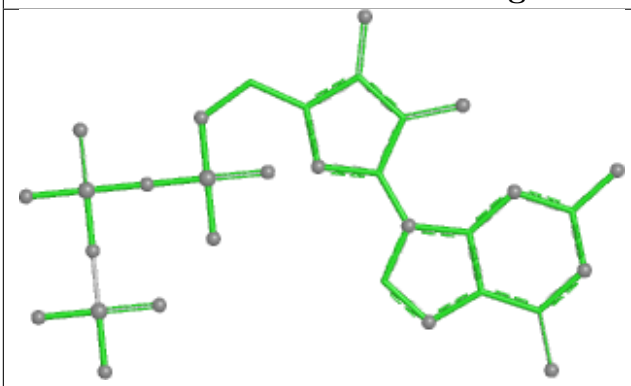


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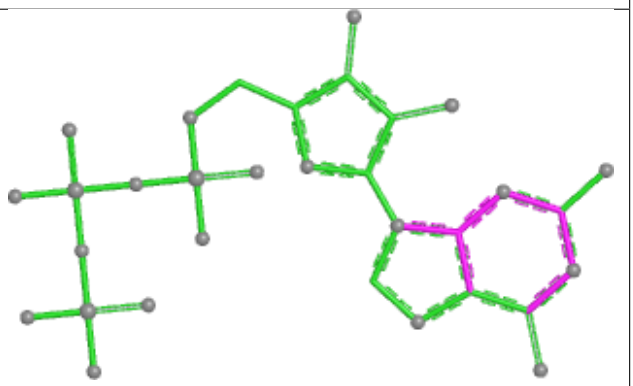


Rings

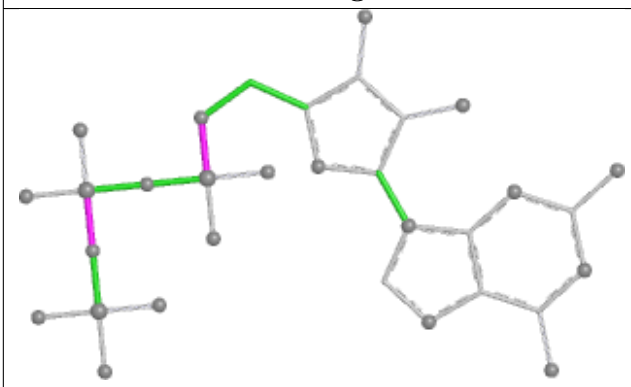
Ligand GTP KR 602



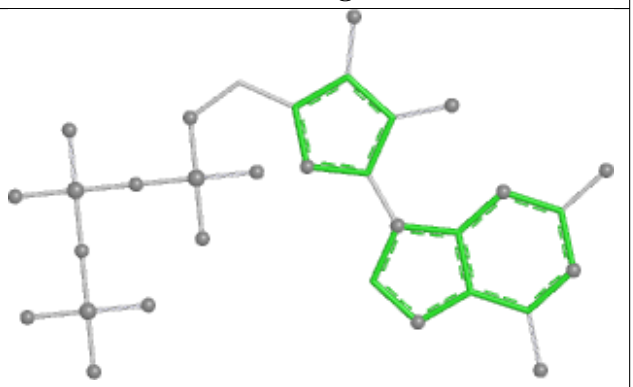
Bond lengths



Bond angles

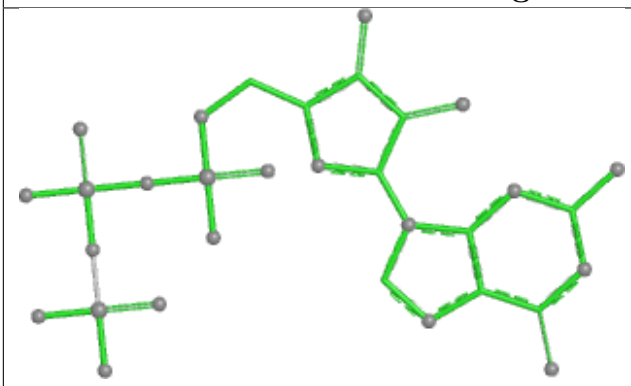


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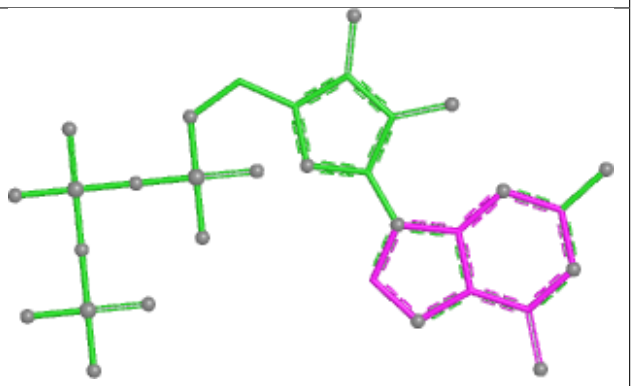


Rings

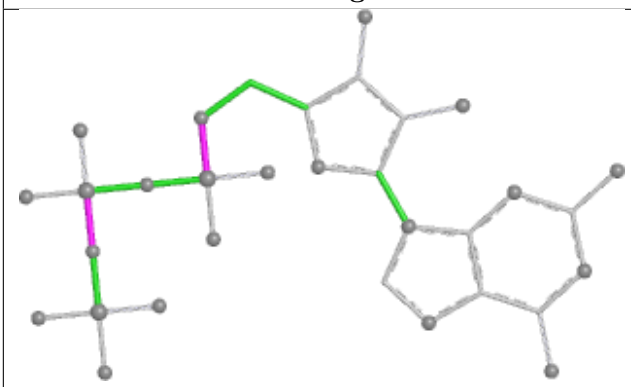
Ligand GTP JH 602



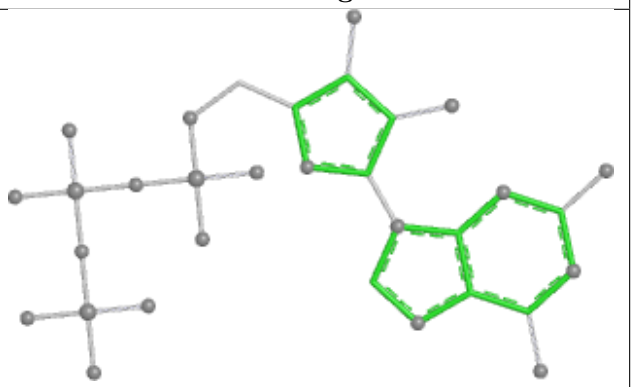
Bond lengths



Bond angles

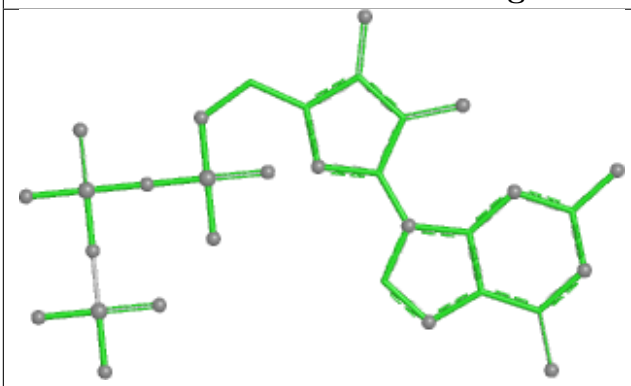


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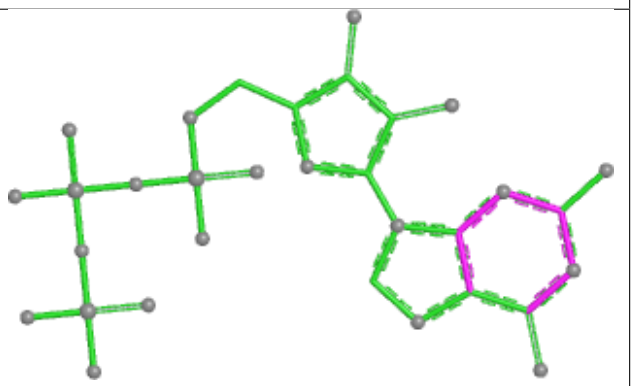


Rings

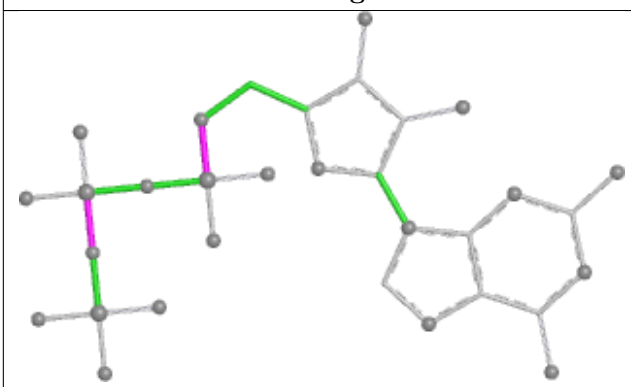
Ligand GTP NN 501



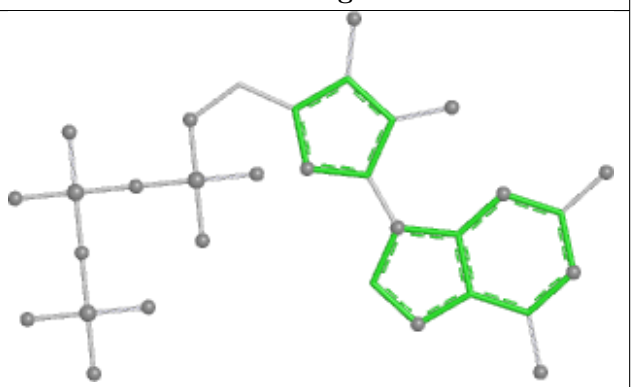
Bond lengths



Bond angles

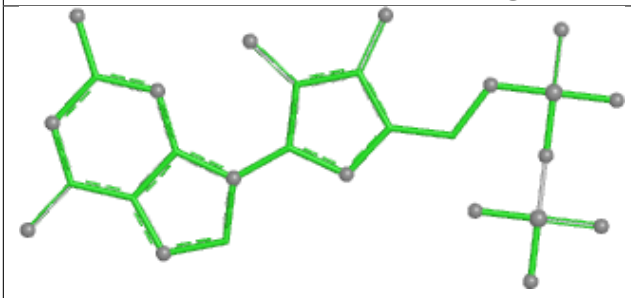


Torsions

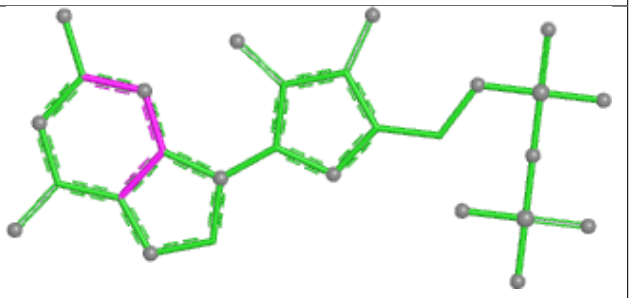


Rings

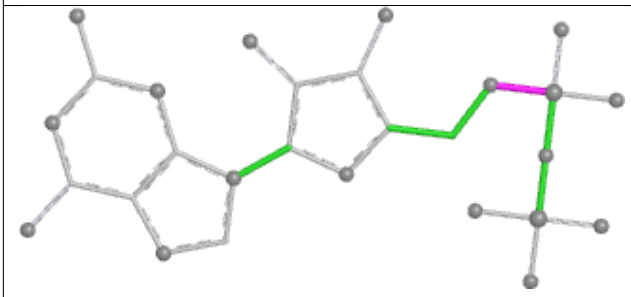
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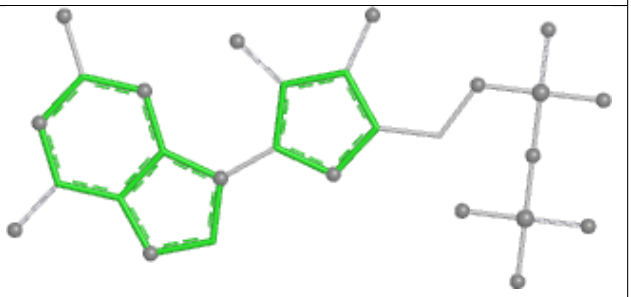
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Bond angles

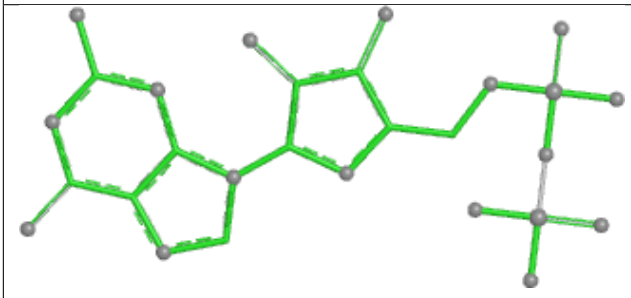


Torsions

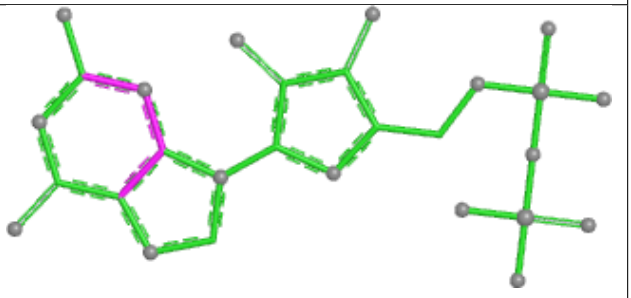


Rings

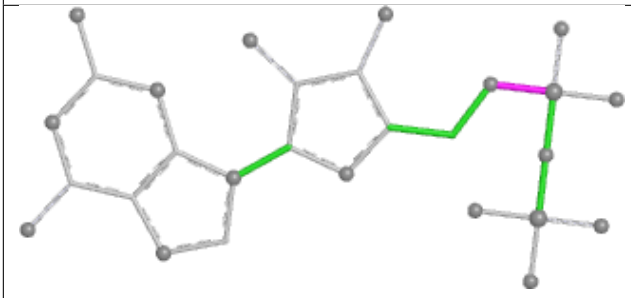
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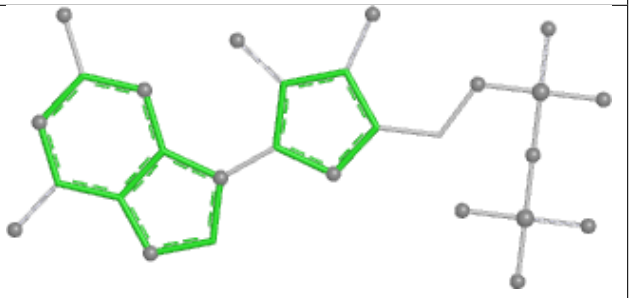
Bond lengths



Bond angles

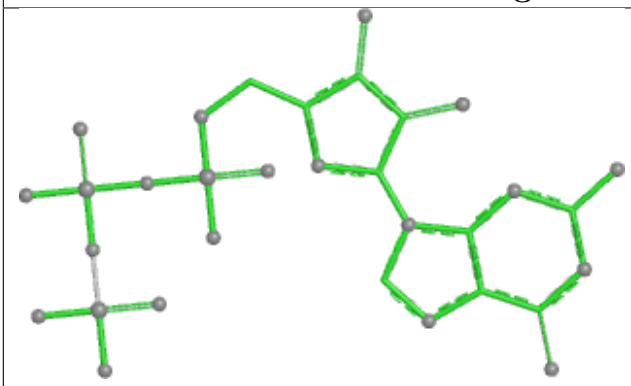


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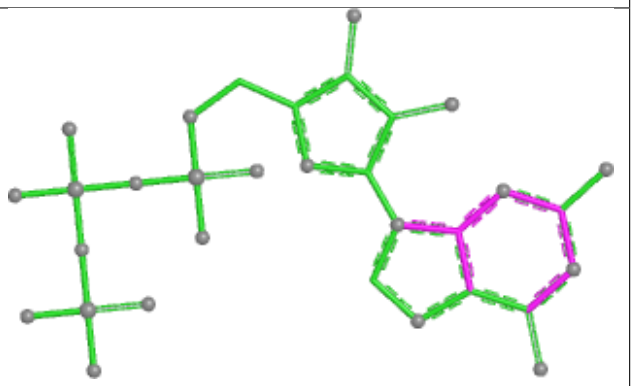


Rings

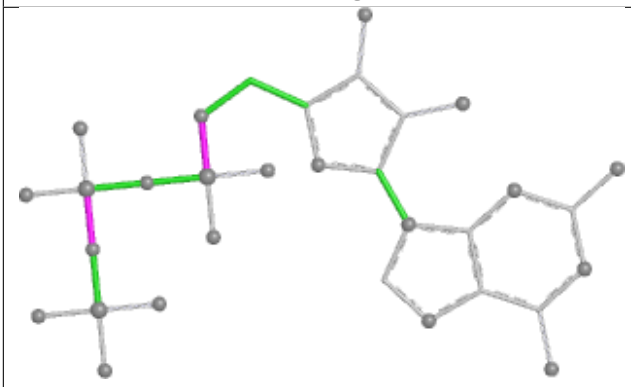
Ligand GTP LL 501



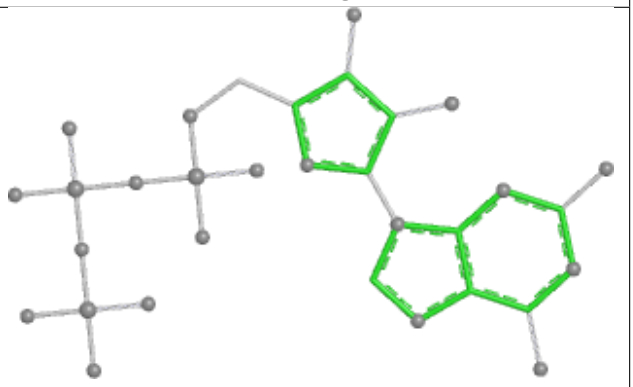
Bond lengths



Bond angles

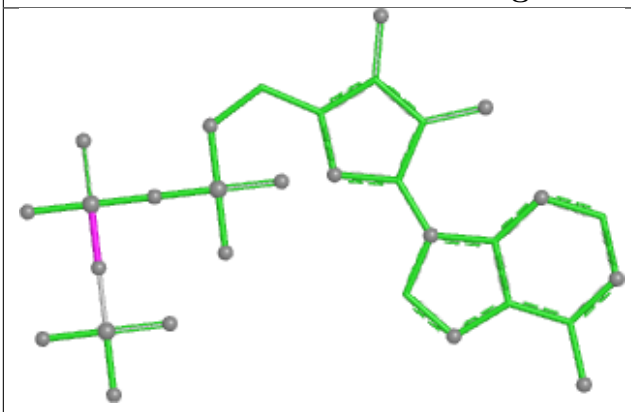


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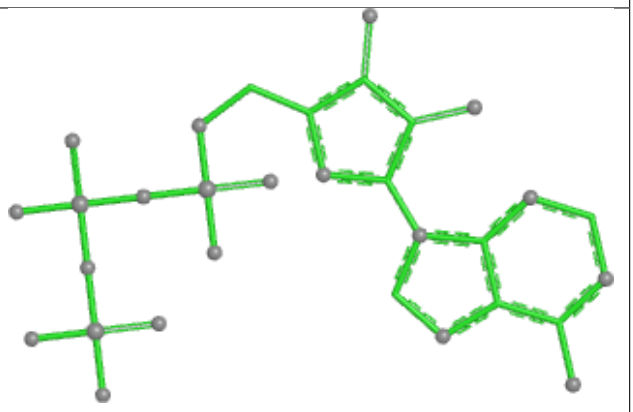


Rings

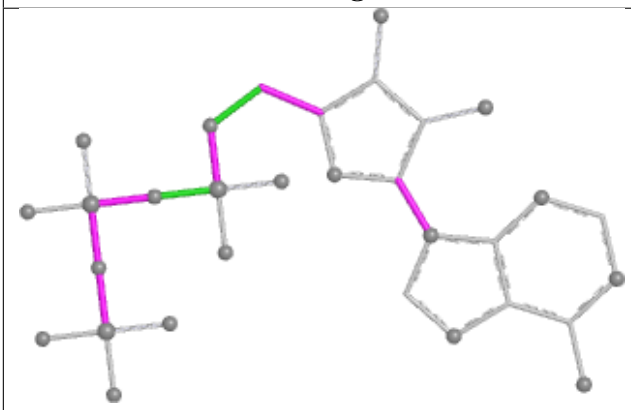
Ligand ATP 9e 5004



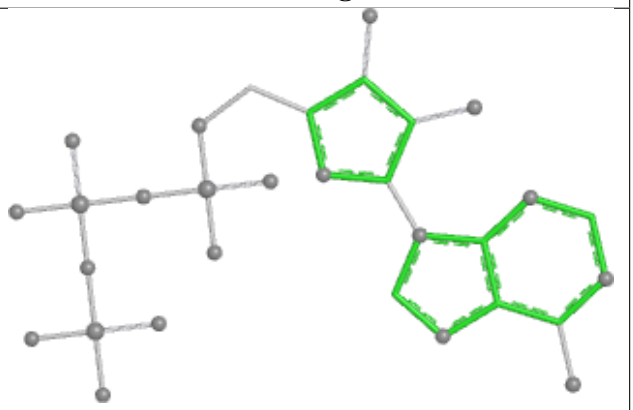
Bond lengths



Bond angles

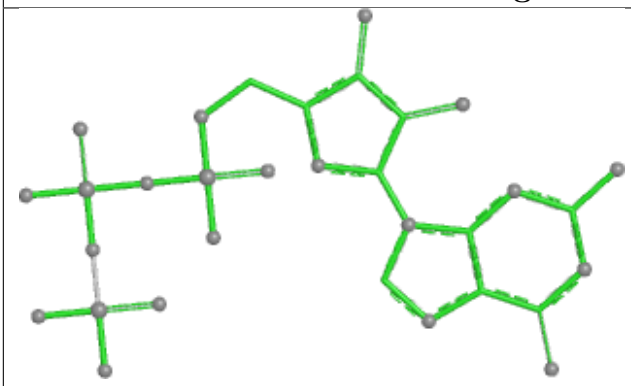


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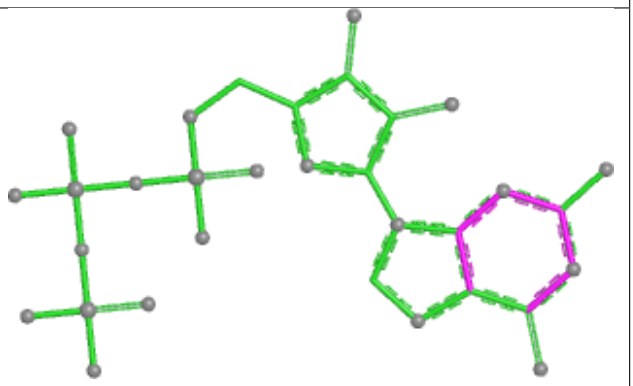


Rings

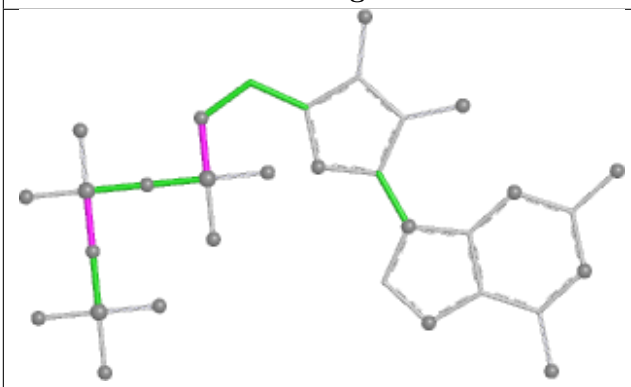
Ligand GTP ZZ 501



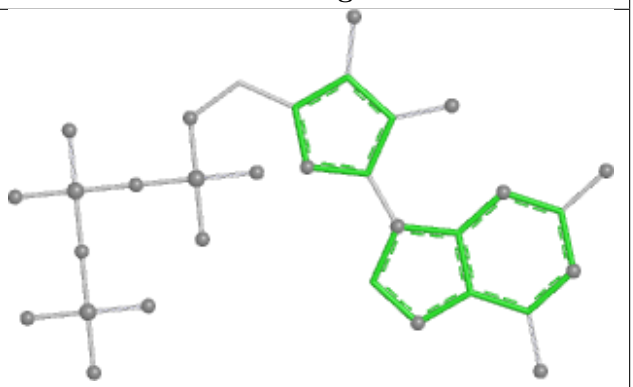
Bond lengths



Bond angles

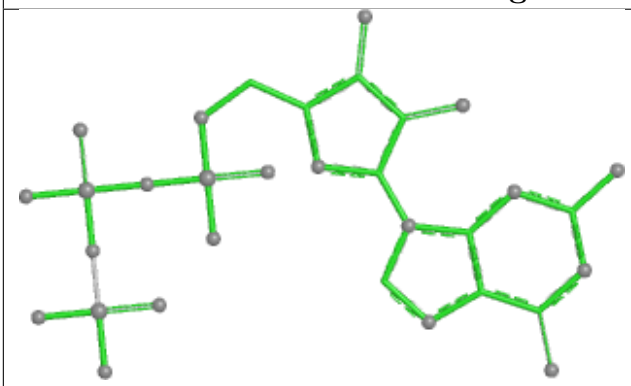


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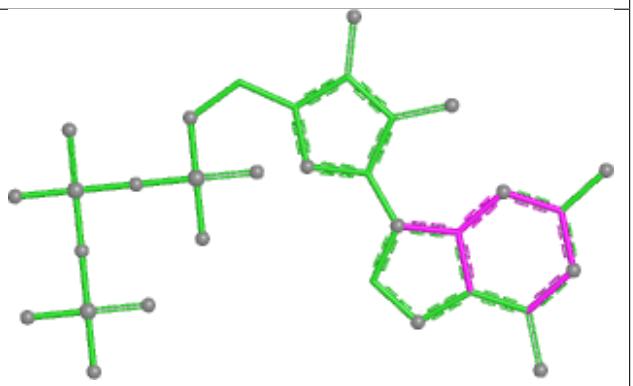


Rings

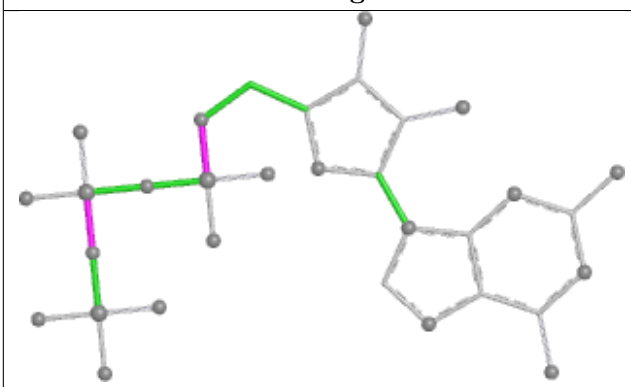
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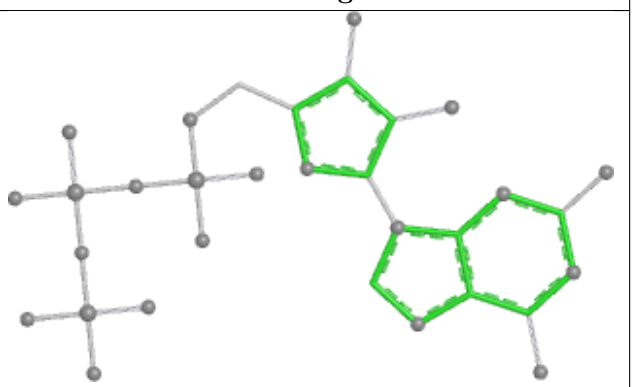
Bond lengths



Bond angles

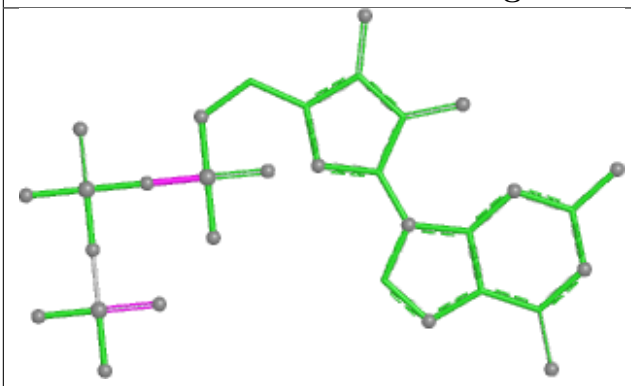


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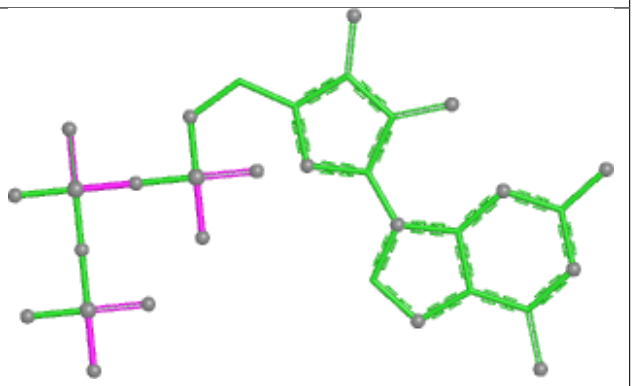


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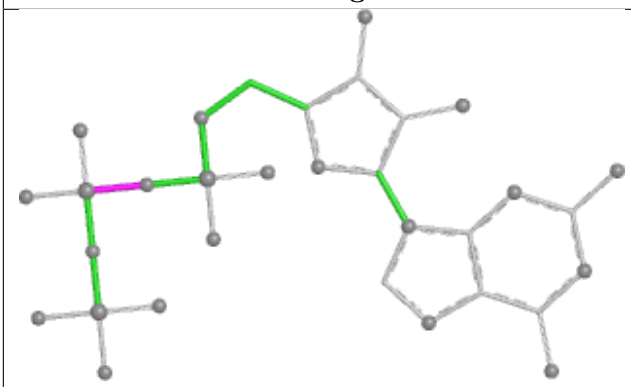
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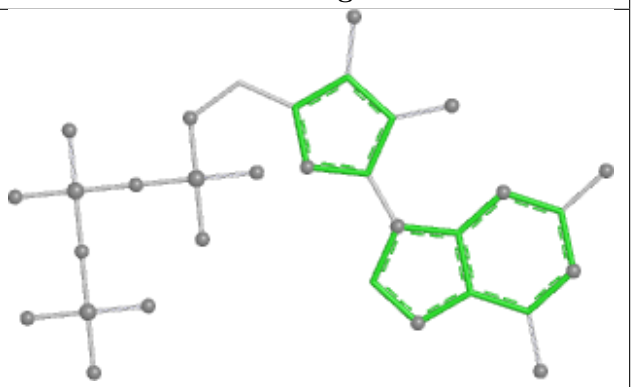
Bond lengths



Bond angles

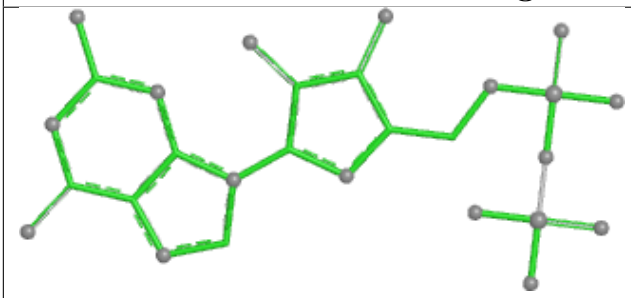


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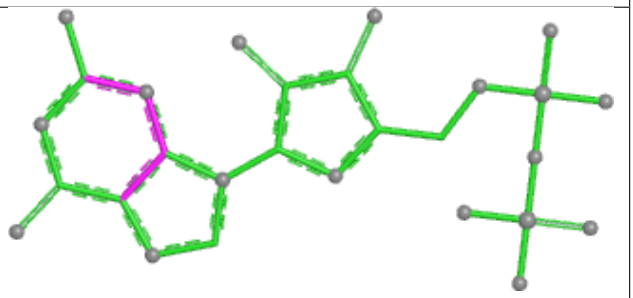


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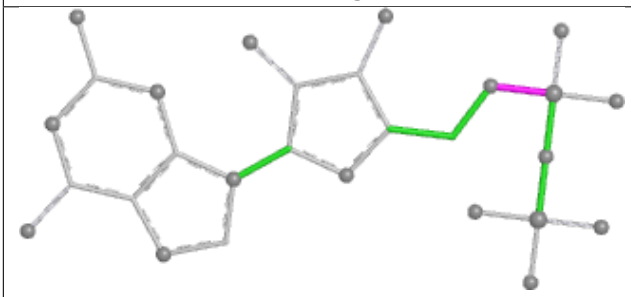
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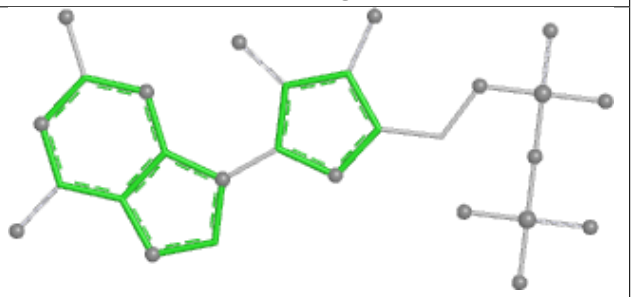
Bond lengths



Bond angles

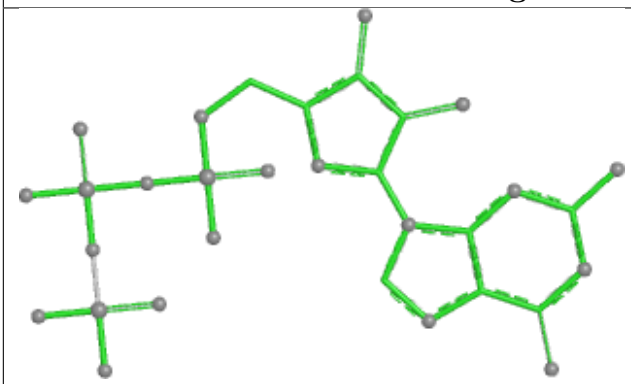


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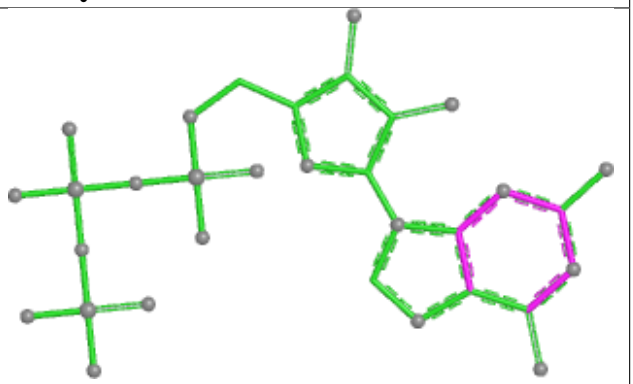


Rings

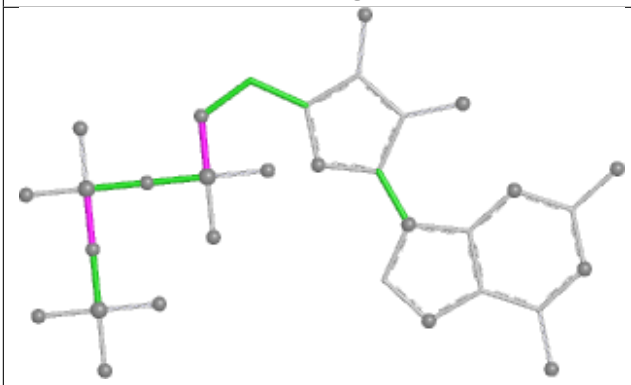
Ligand GTP VQ 501



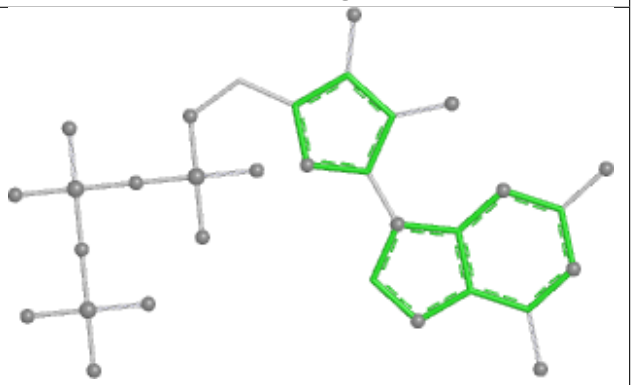
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Bond angles

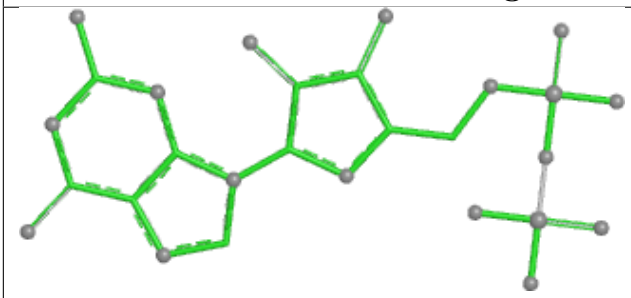


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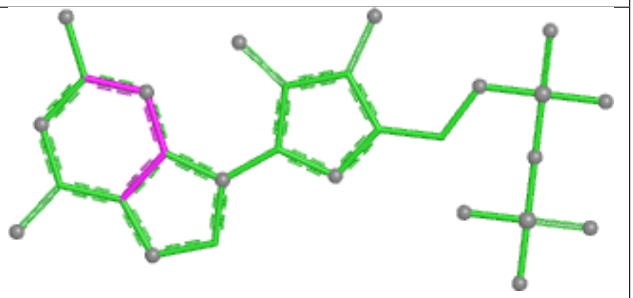


Rings

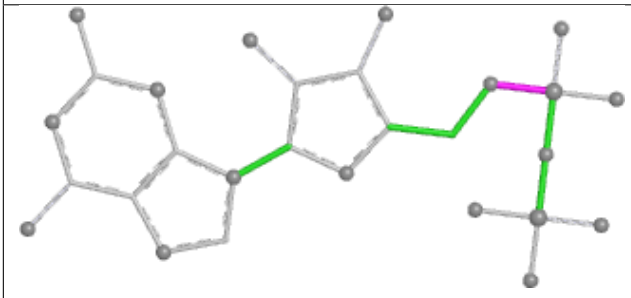
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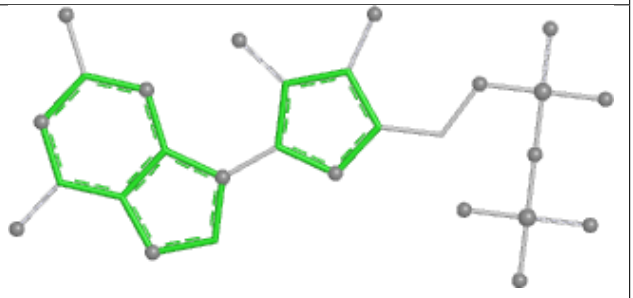
Bond lengths



Bond angles

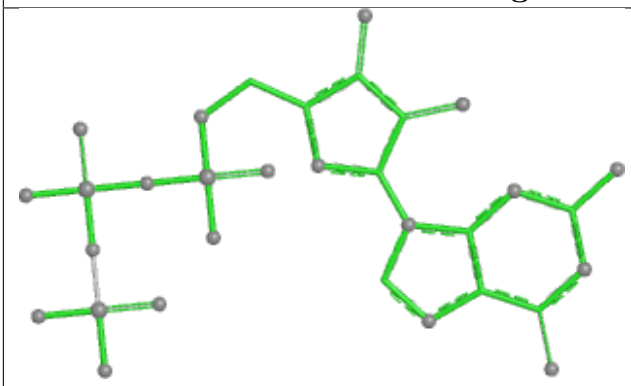


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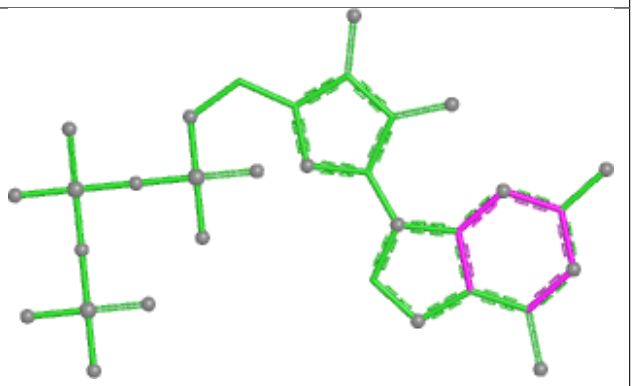


Rings

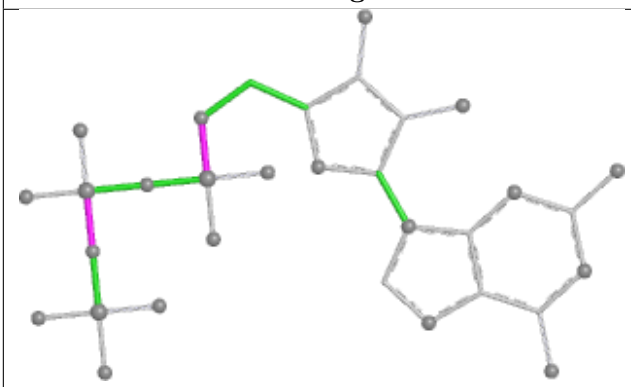
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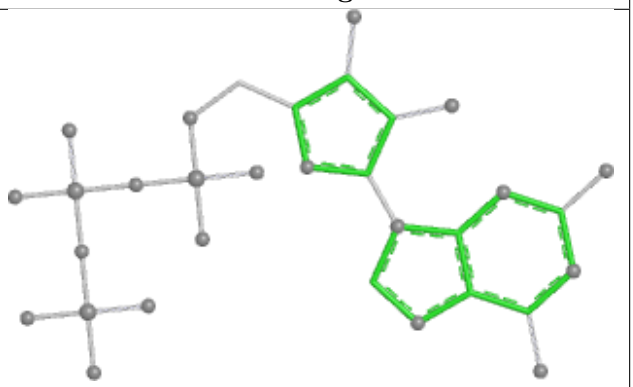
Bond lengths



Bond angles

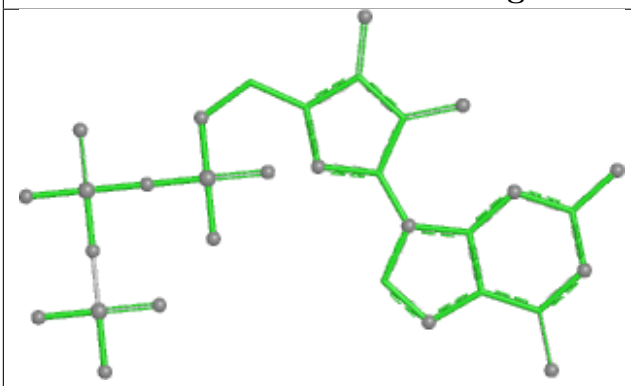


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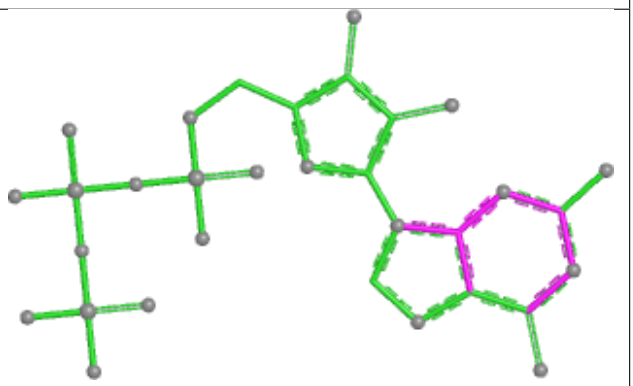


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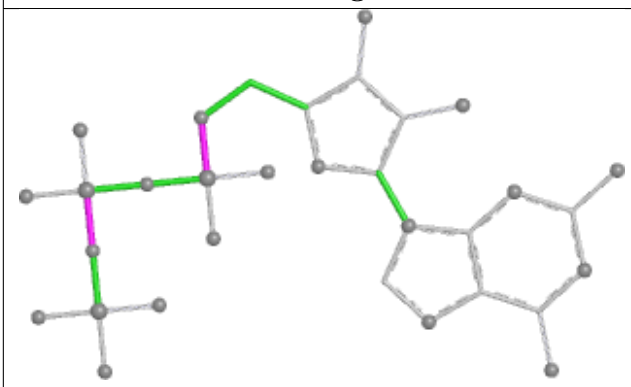
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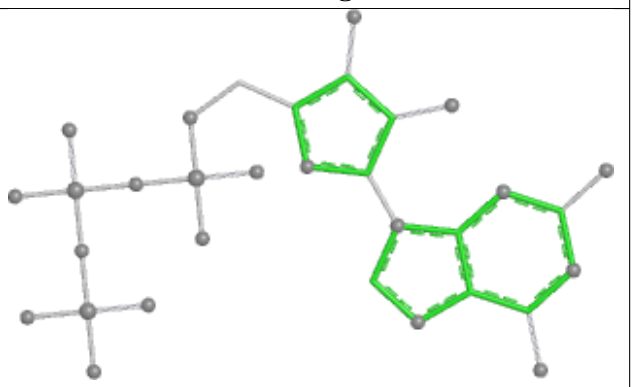
Bond lengths



Bond angles

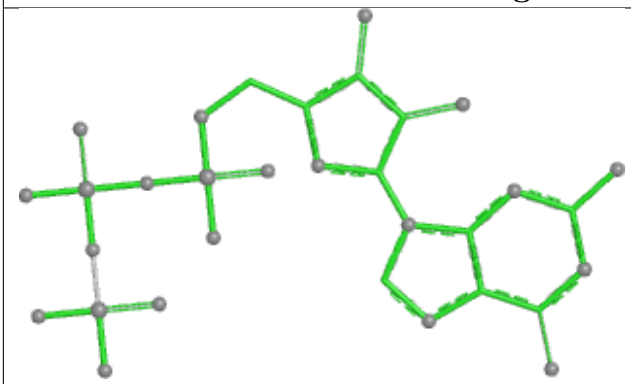


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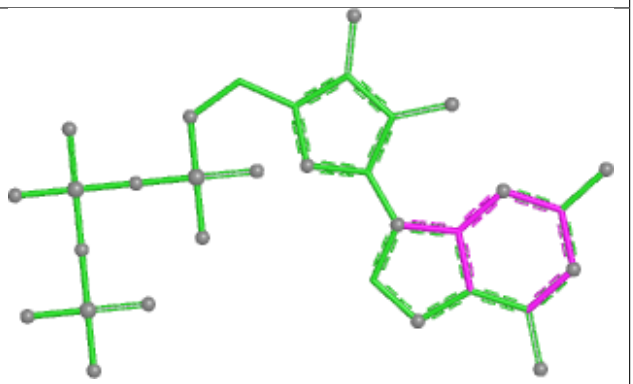


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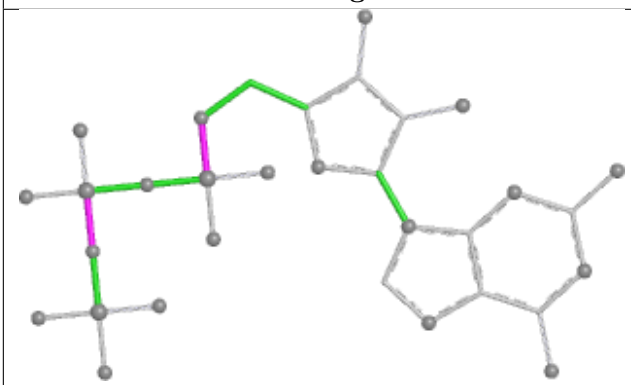
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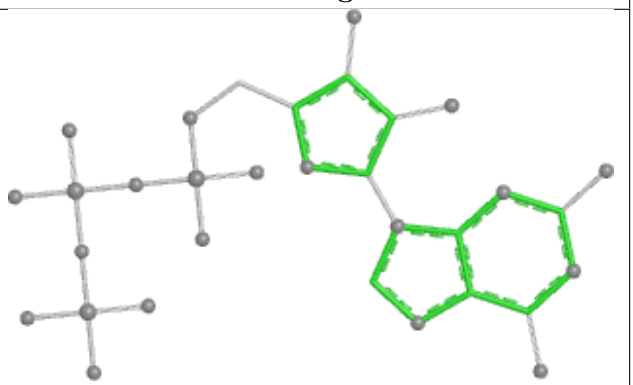
Bond lengths



Bond angles

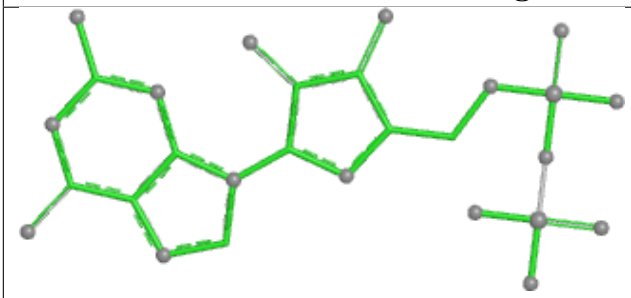


Torsions

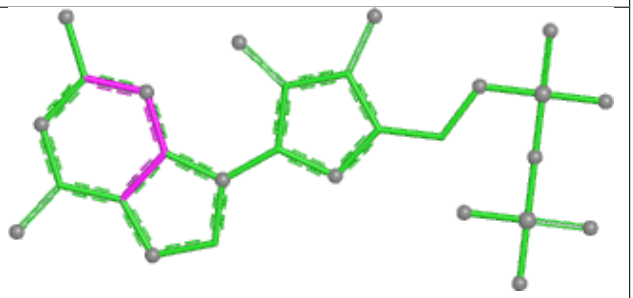


Rings

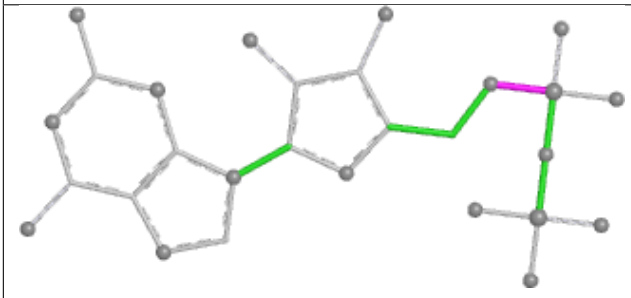
Ligand GDP SZ 501



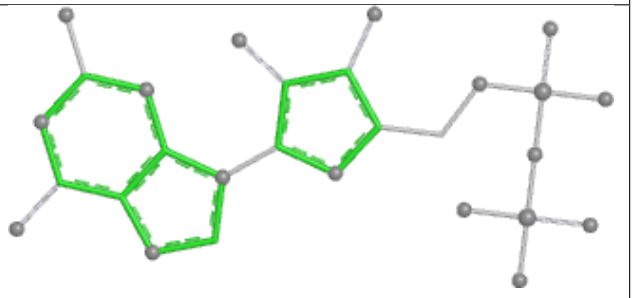
Bond lengths



Bond angles

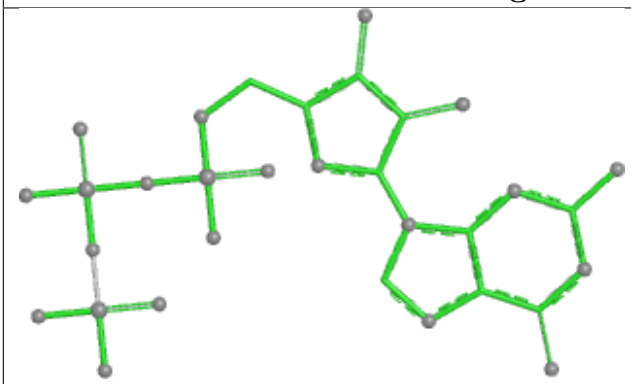


Torsions

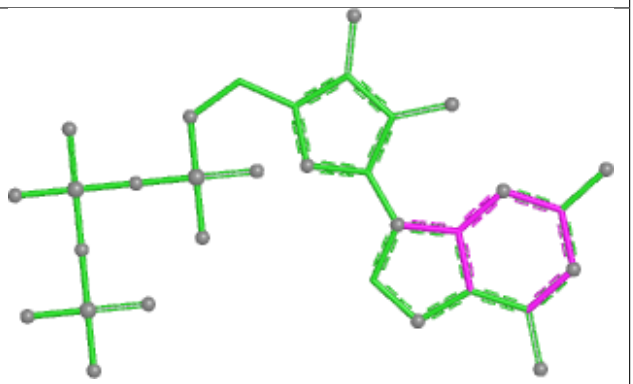


Rings

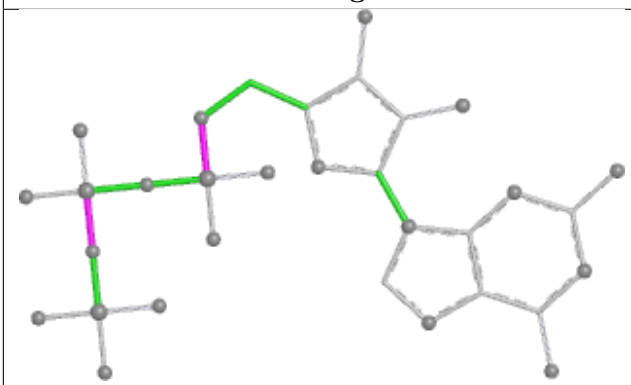
Ligand GTP RC 501



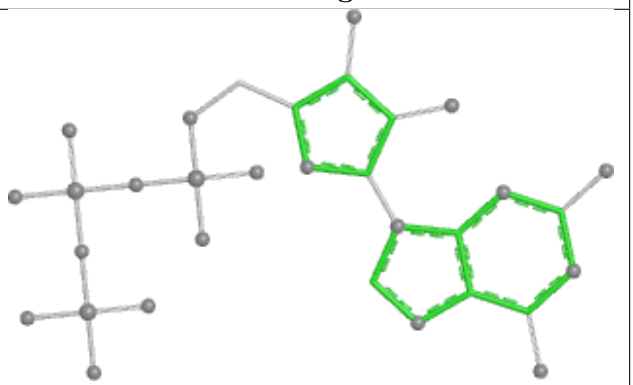
Bond lengths



Bond angles

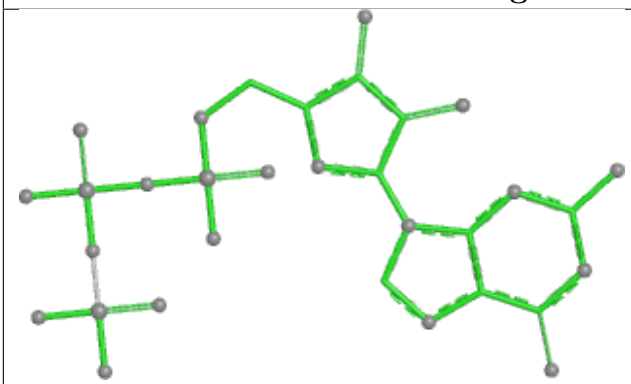


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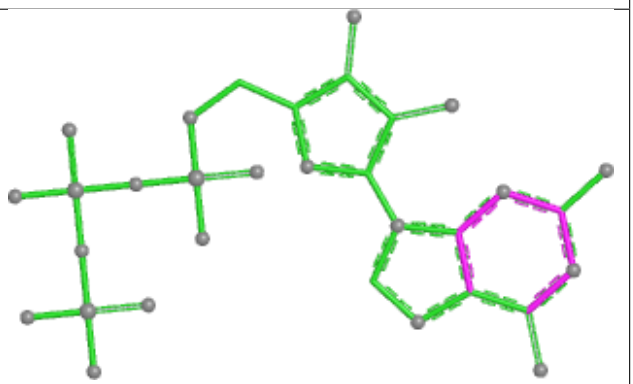


Rings

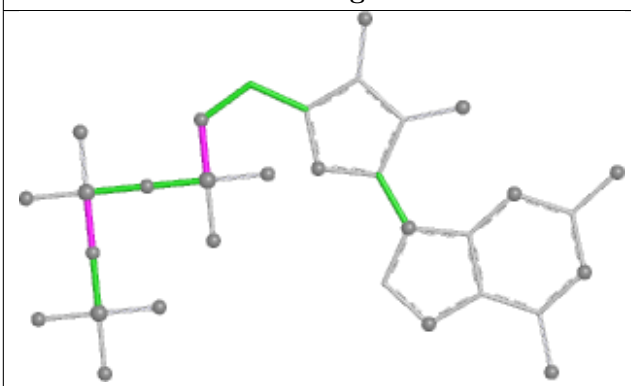
Ligand GTP PO 602



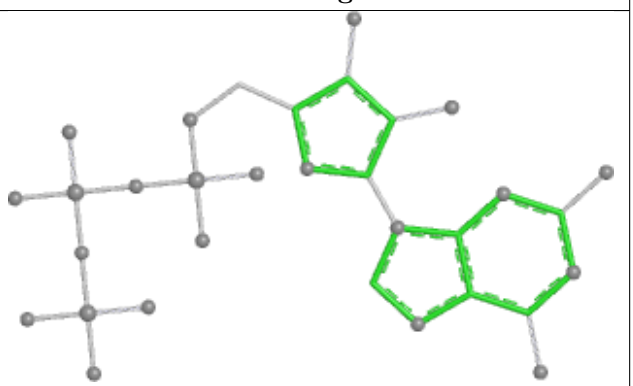
Bond lengths



Bond angles

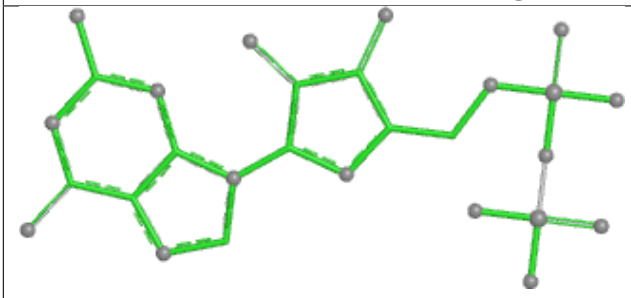


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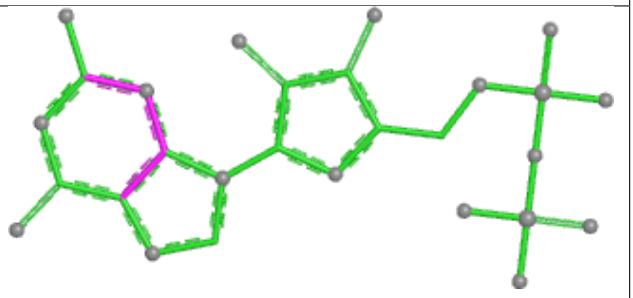


Rings

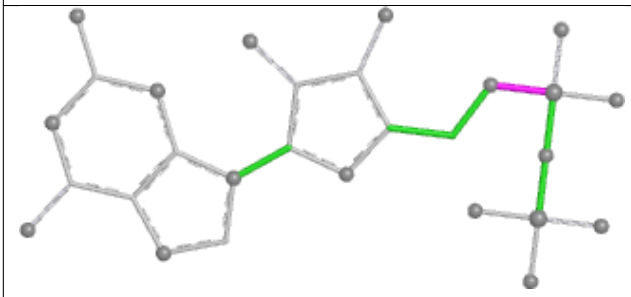
Ligand GDP RT 501



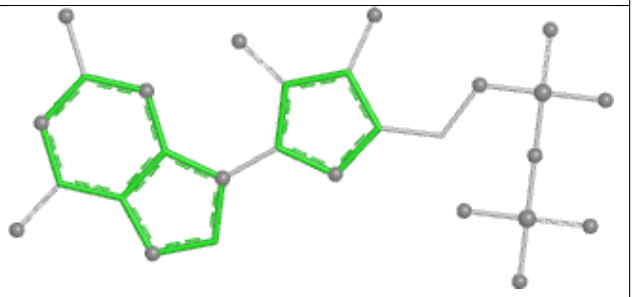
Bond lengths



Bond angles

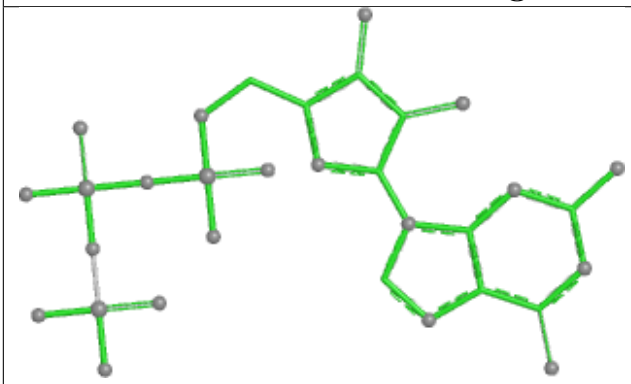


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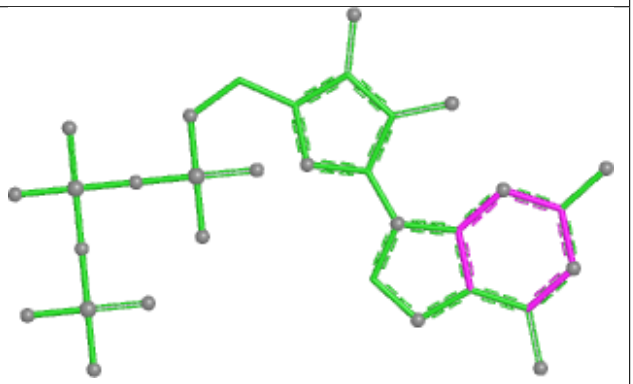


Rings

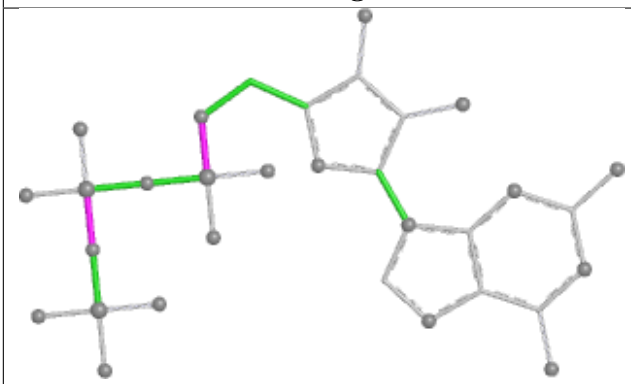
Ligand GTP OD 602



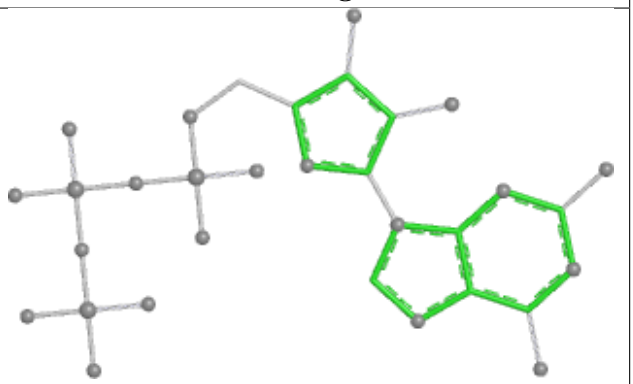
Bond lengths



Bond angles

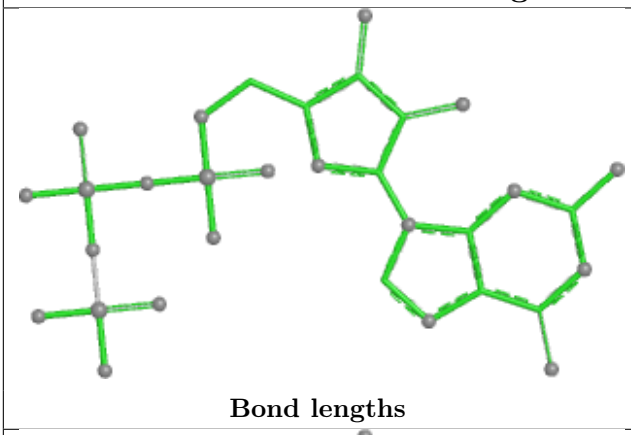


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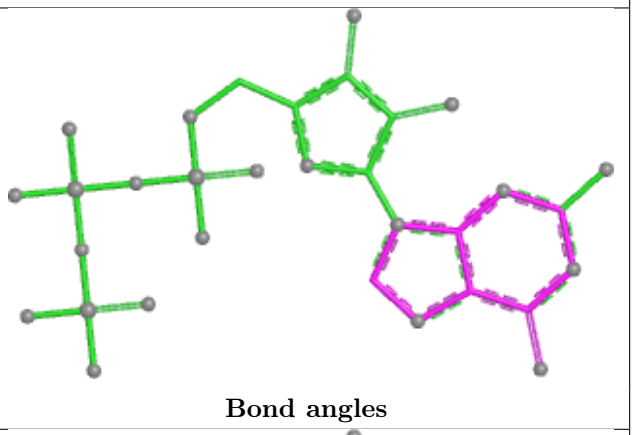


Rings

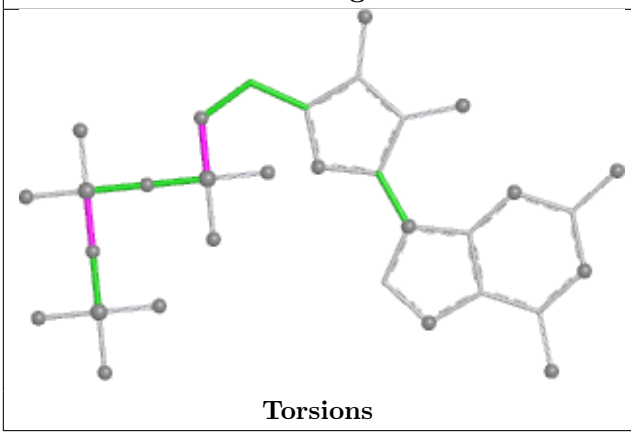
Ligand GTP FG 501



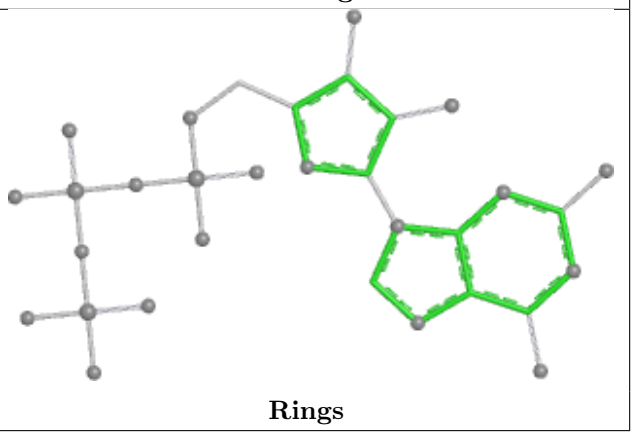
Bond lengths



Bond angles

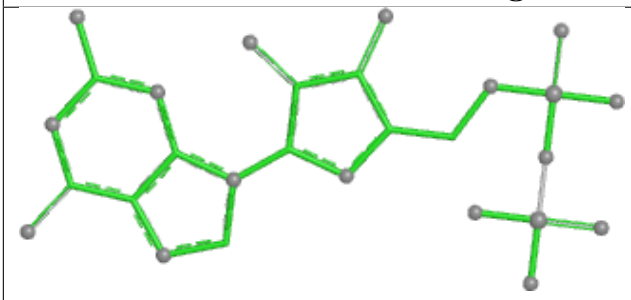


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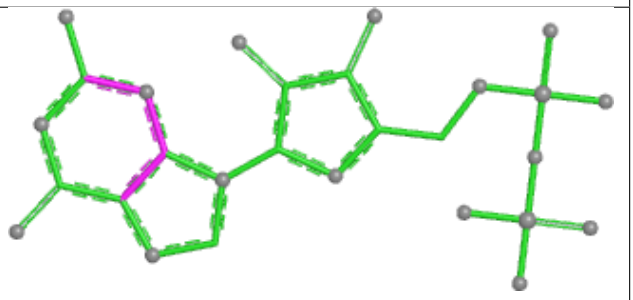


Rings

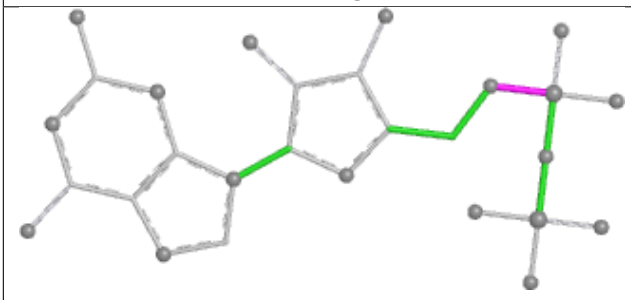
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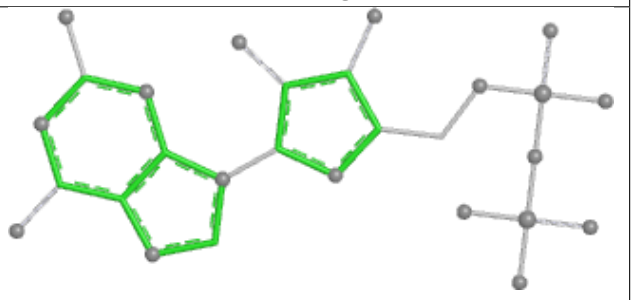
Bond lengths



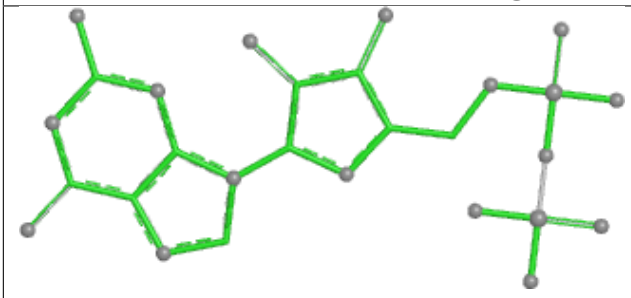
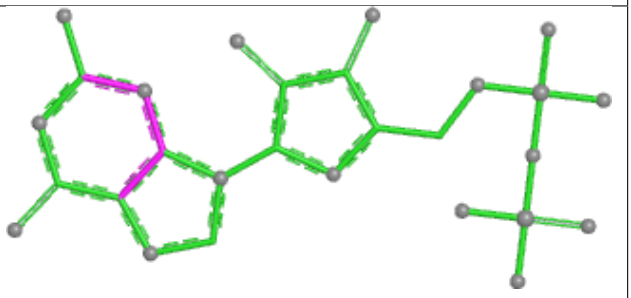
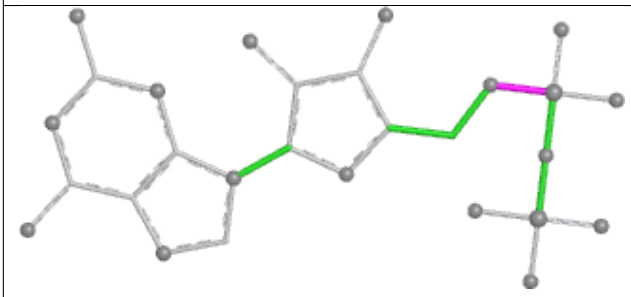
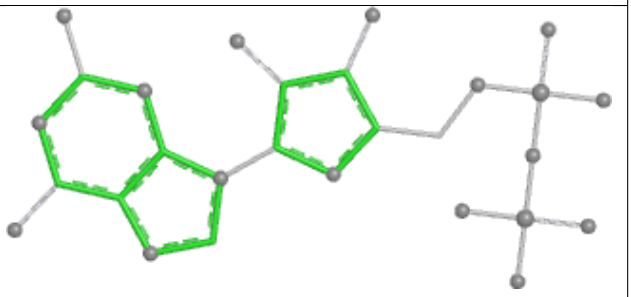
Bond angles

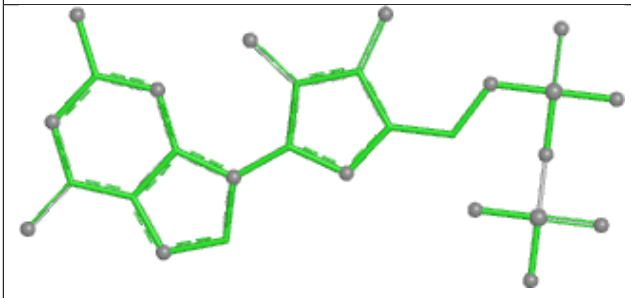
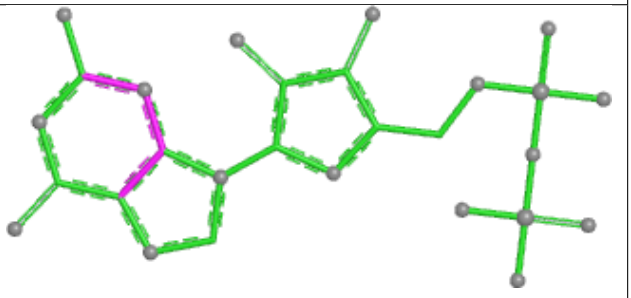
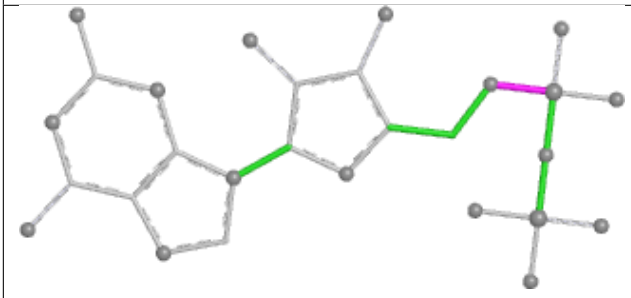
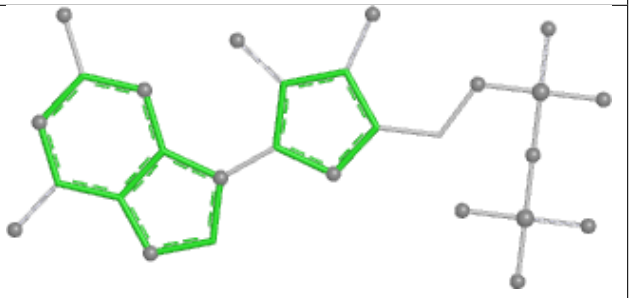


Torsions

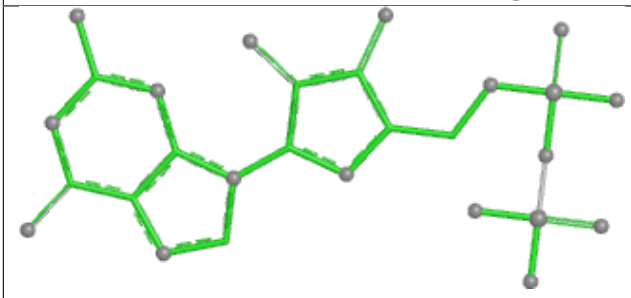


Rings

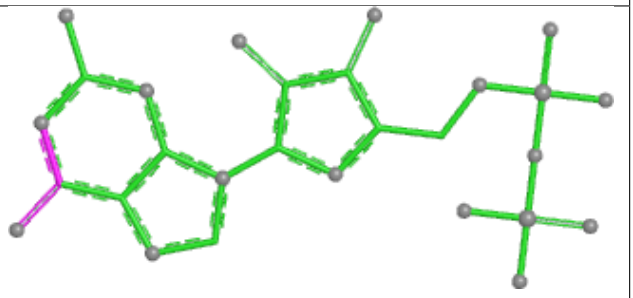
Ligand GDP TU 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP OW 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

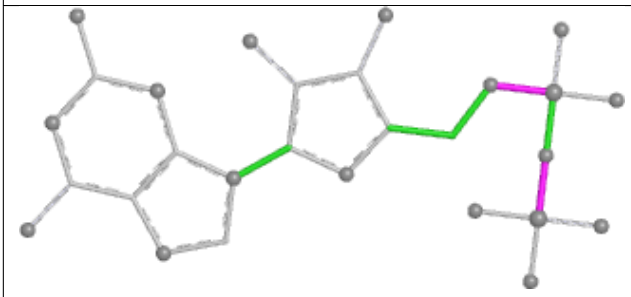
Ligand GDP AG 501



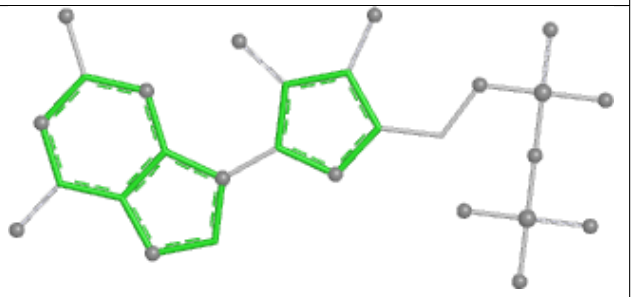
Bond lengths



Bond angles

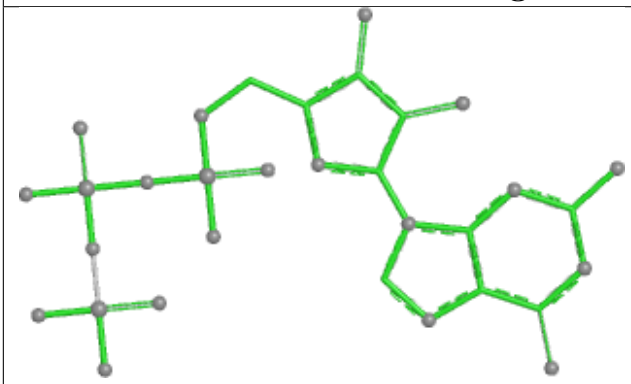


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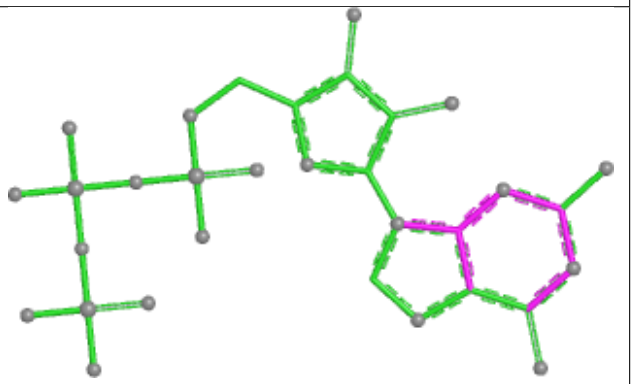


Rings

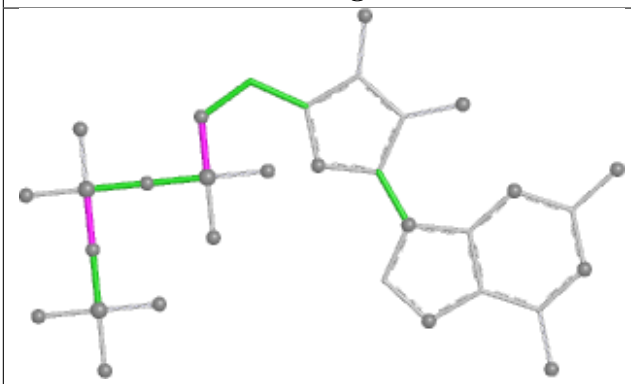
Ligand GTP BV 602



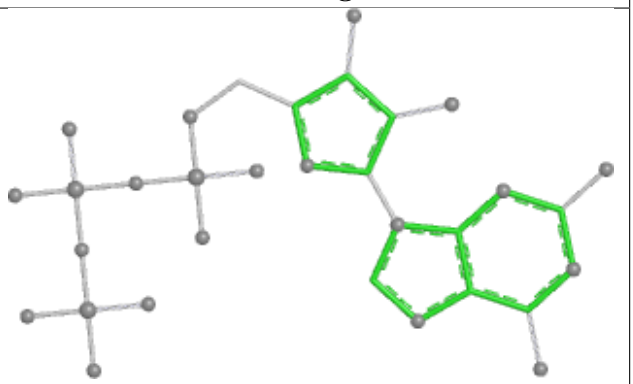
Bond lengths



Bond angles

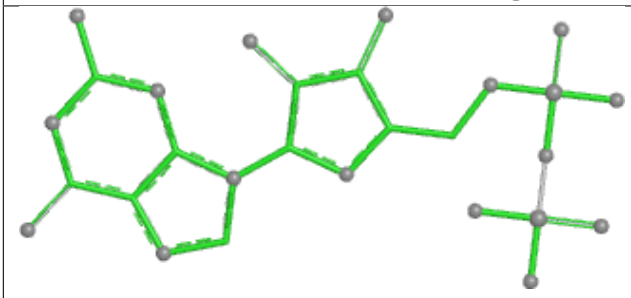


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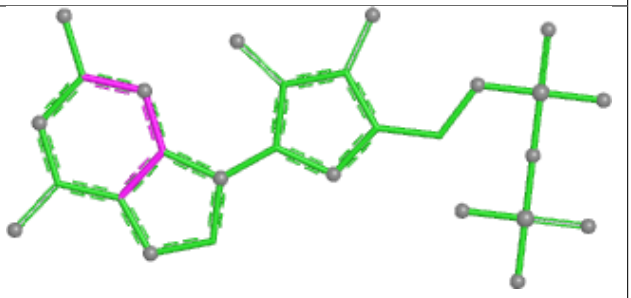


Rings

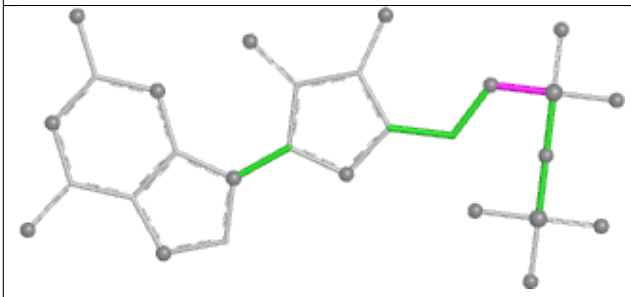
Ligand GDP XV 501



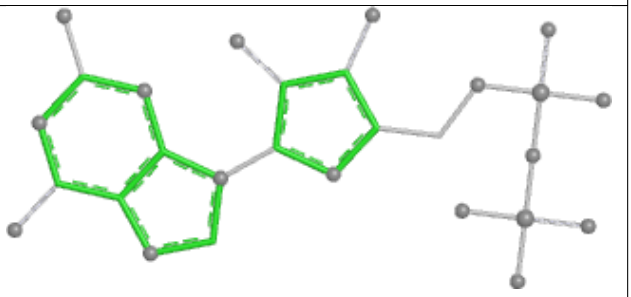
Bond lengths



Bond angles

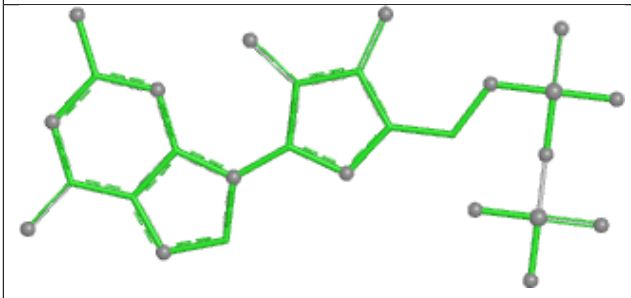


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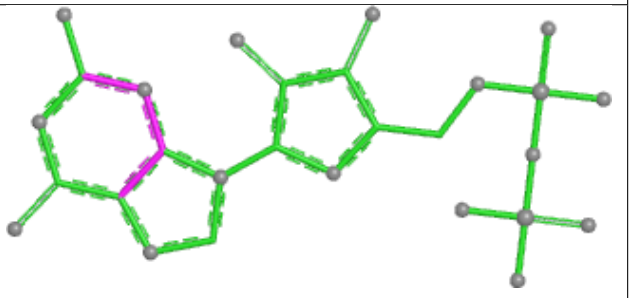


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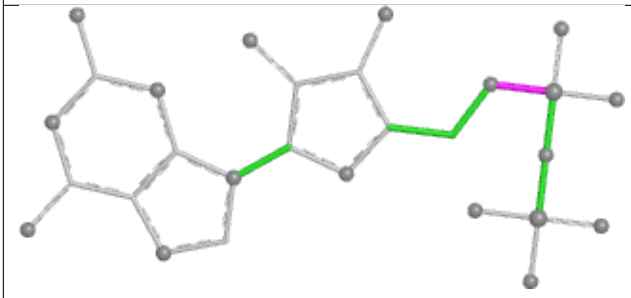
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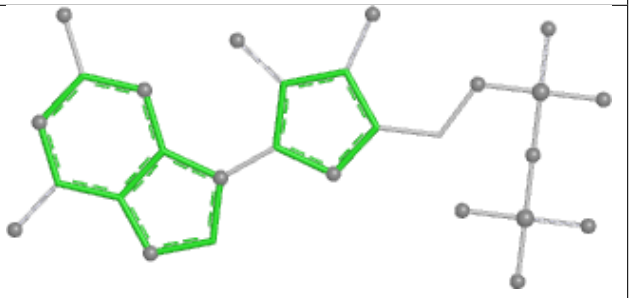
Bond lengths



Bond angles

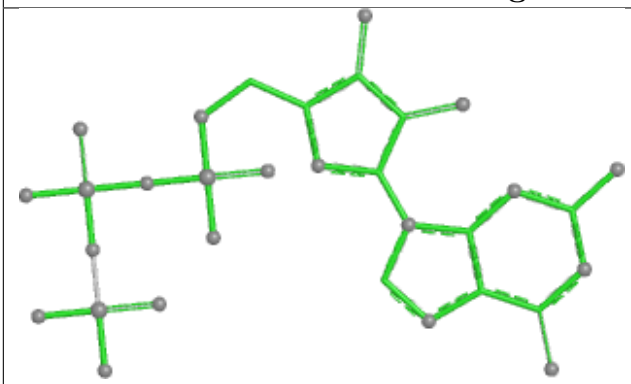


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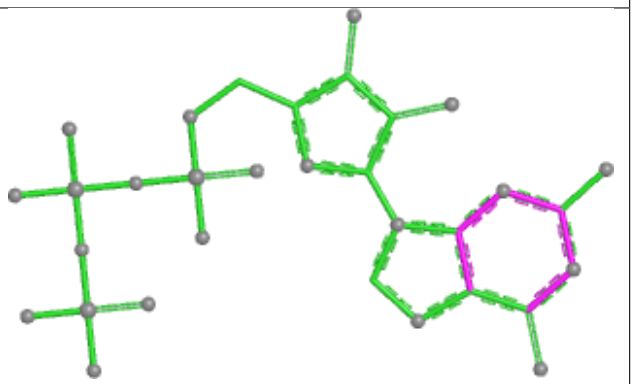


Rings

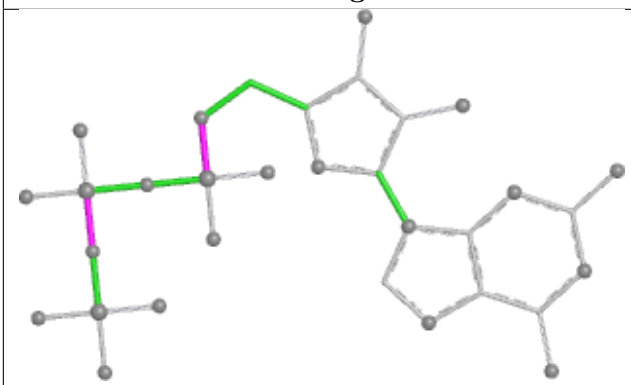
Ligand GTP GC 602



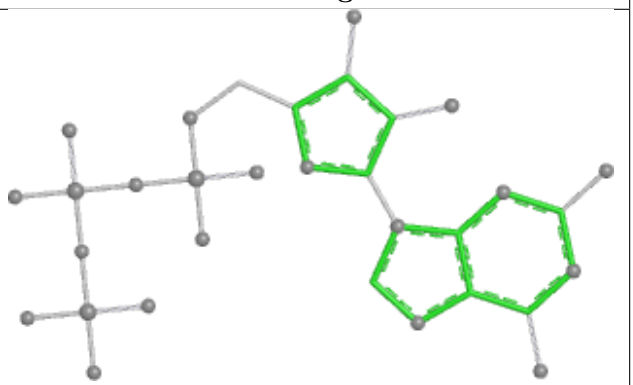
Bond lengths



Bond angles

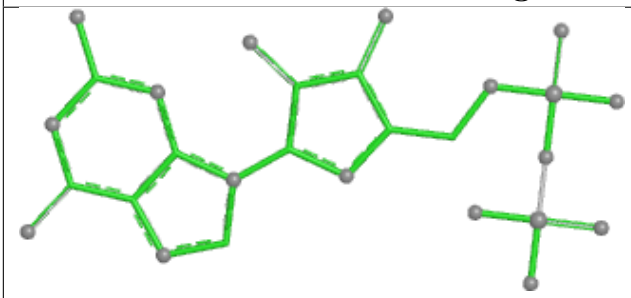


Torsions

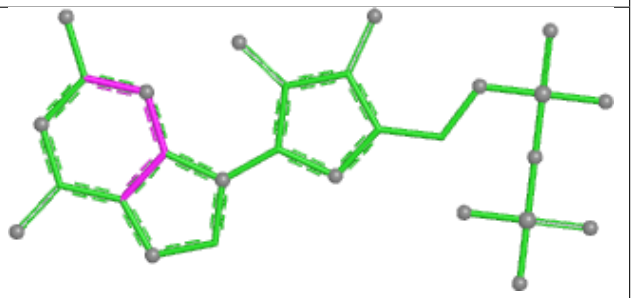


Rings

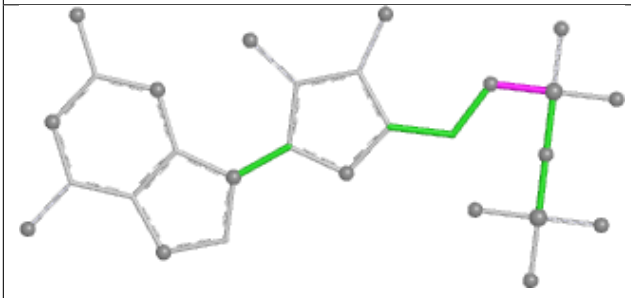
Ligand GDP TJ 501



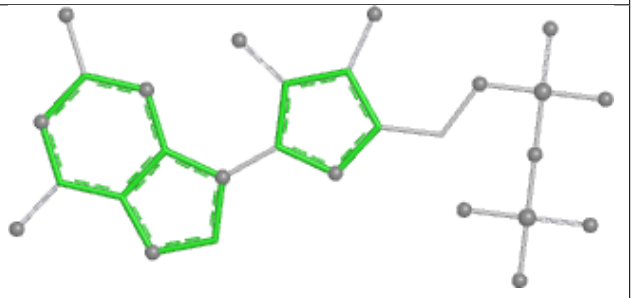
Bond lengths



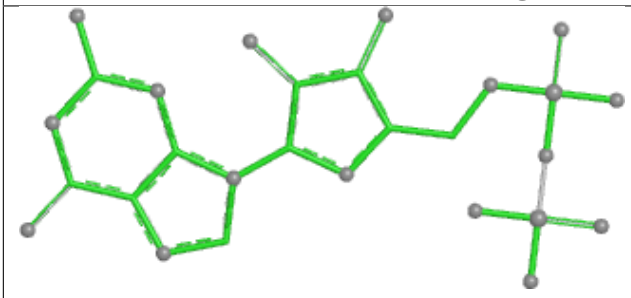
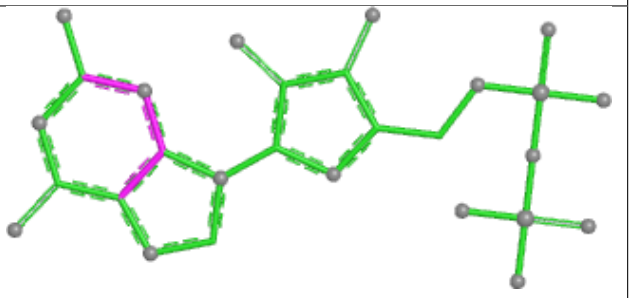
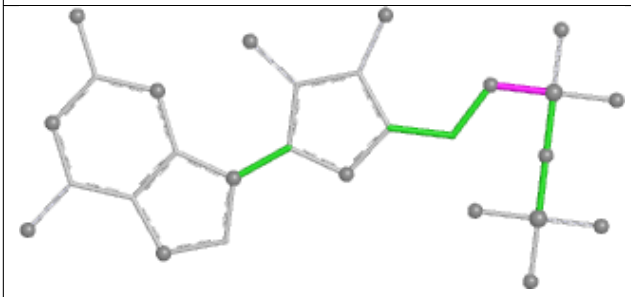
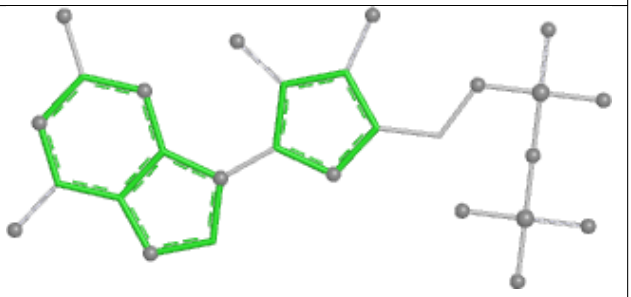
Bond angles

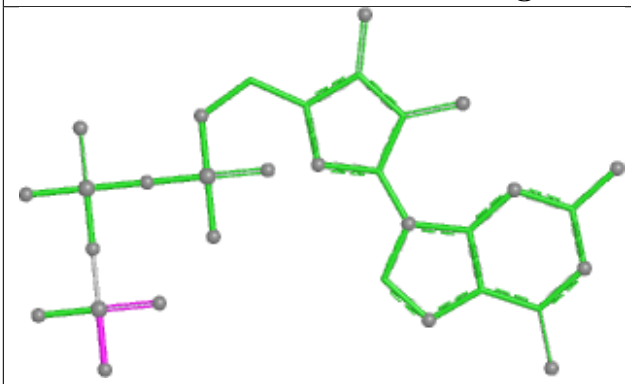
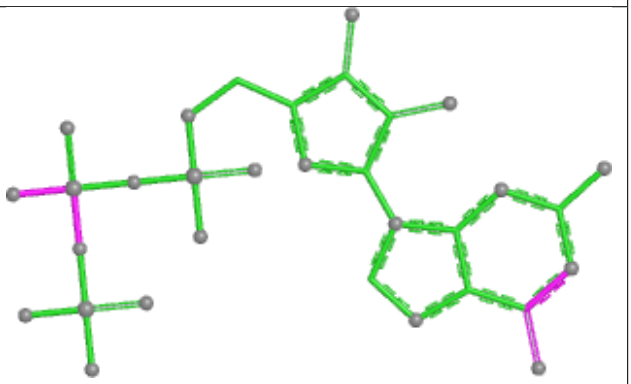
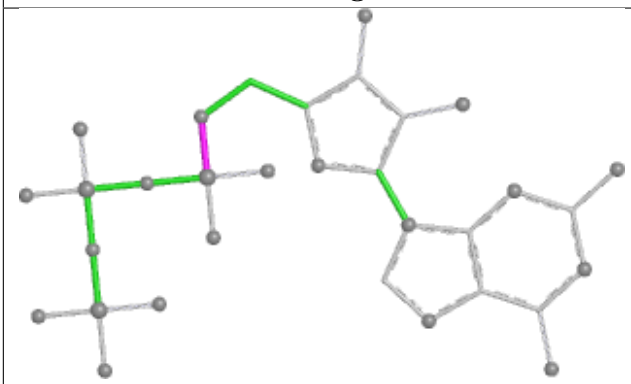
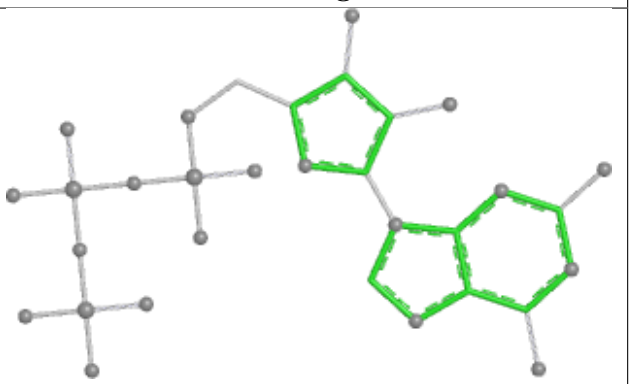


Torsions

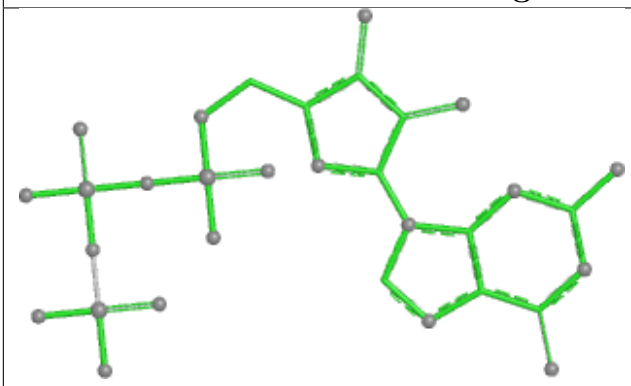


Rings

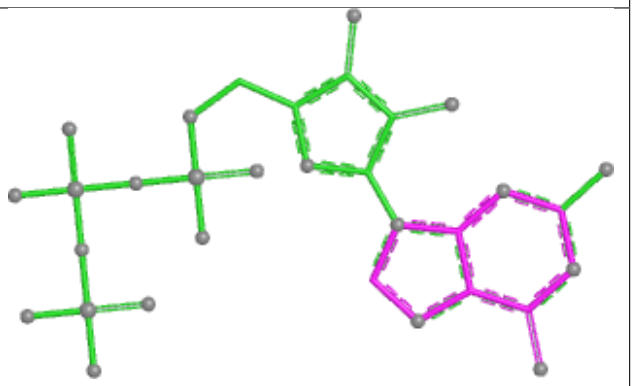
Ligand GDP NI 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP IO 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

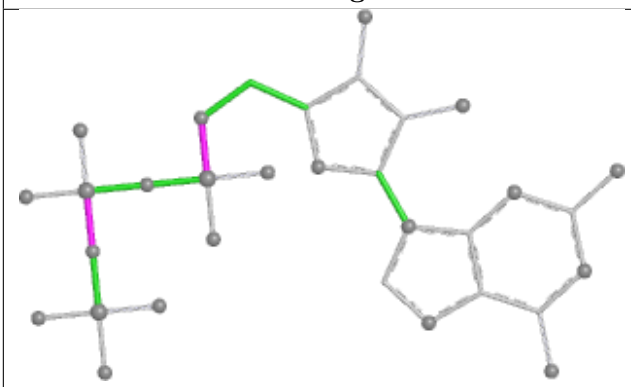
Ligand GTP JR 602



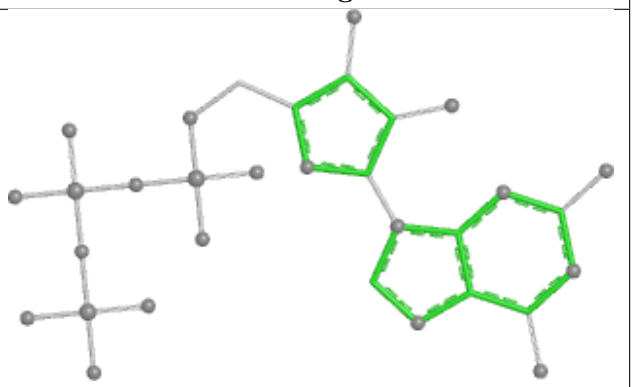
Bond lengths



Bond angles

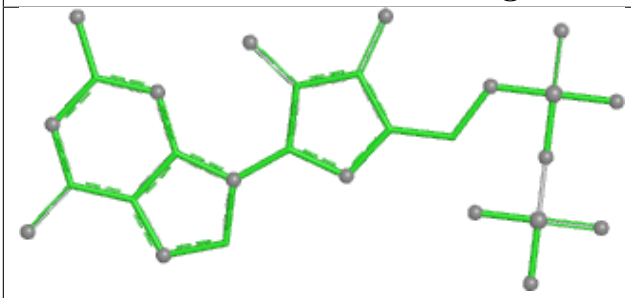


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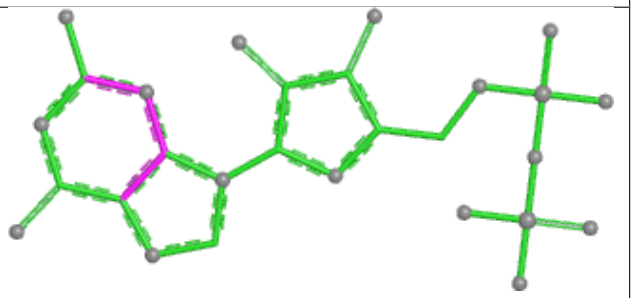


Rings

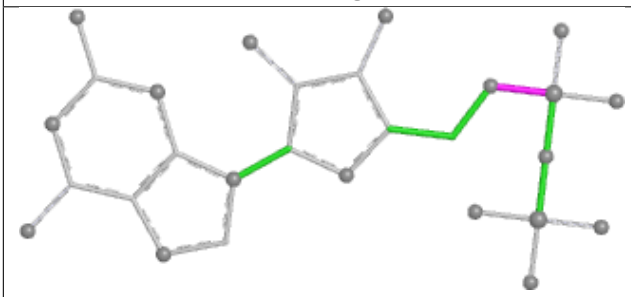
Ligand GDP KW 501



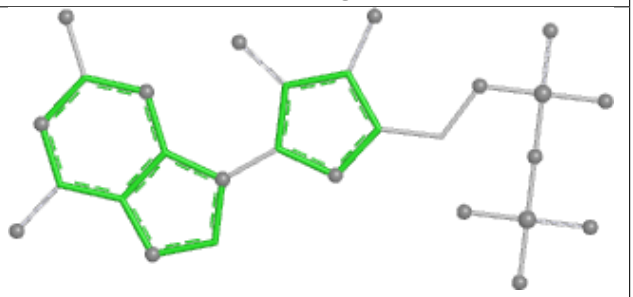
Bond lengths



Bond angles

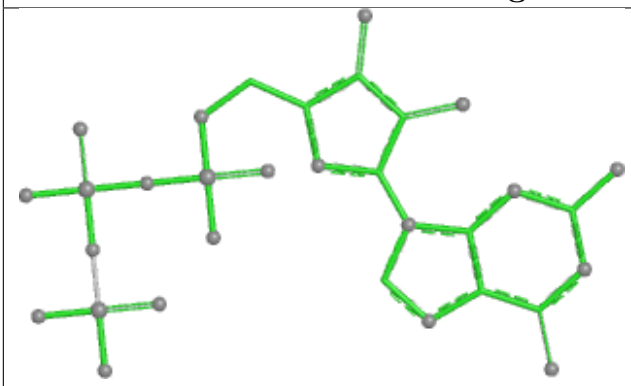


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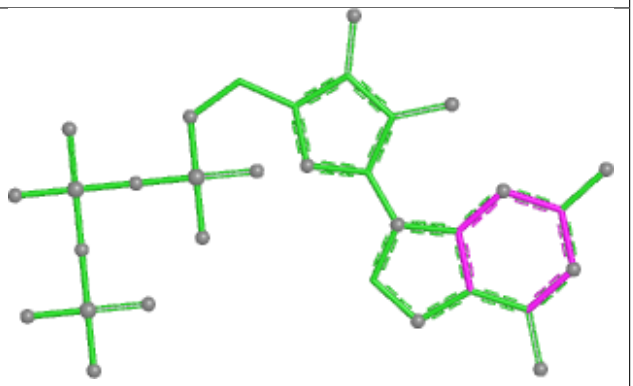


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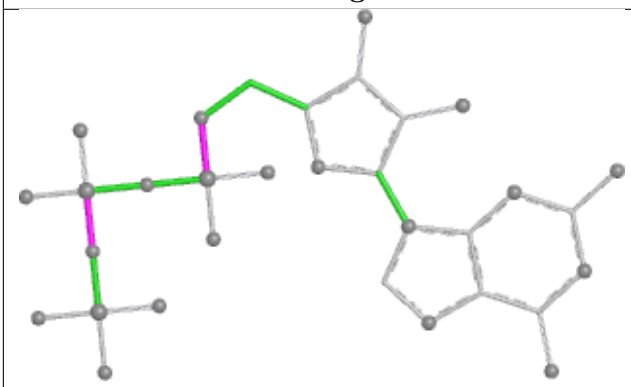
Ligand GTP RK 602



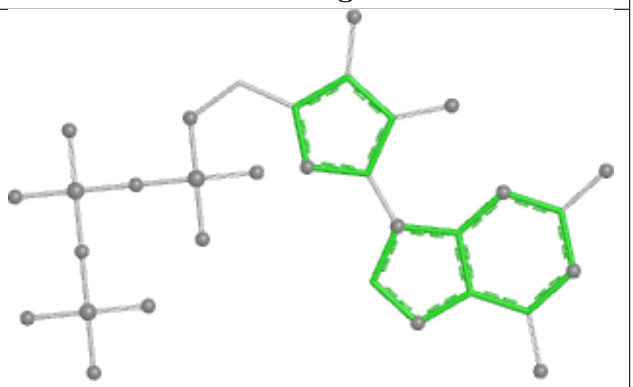
Bond lengths



Bond angles

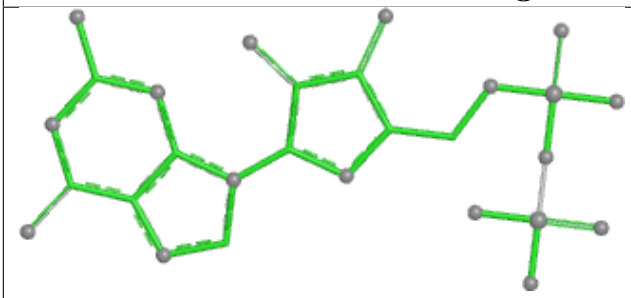


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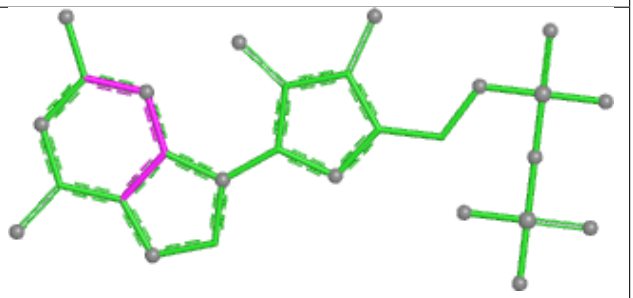


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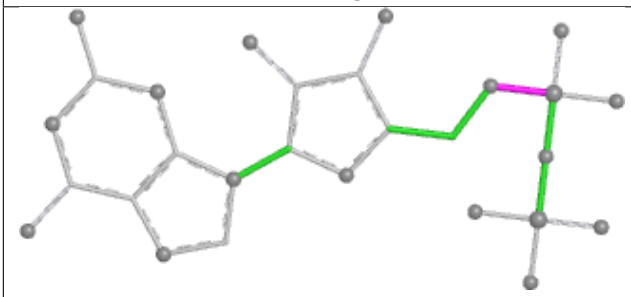
Ligand GDP IB 501



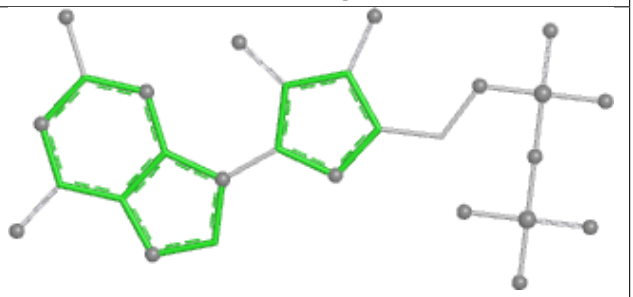
Bond lengths



Bond angles

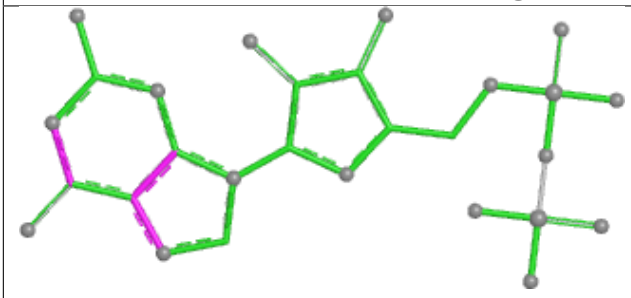


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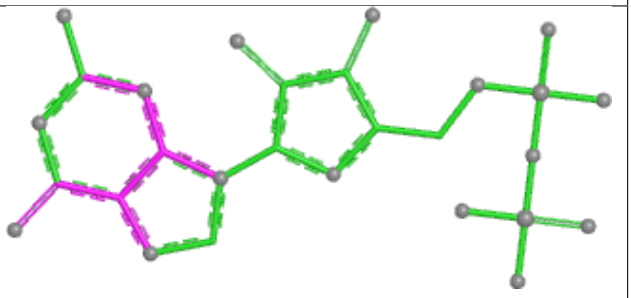


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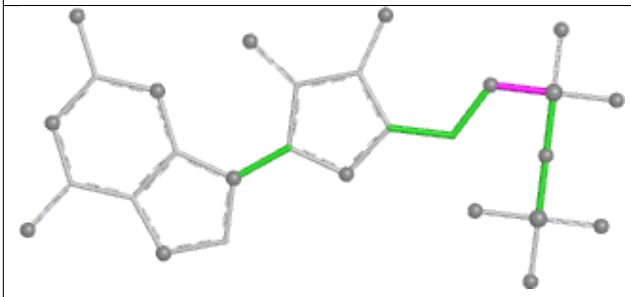
Ligand GDP XF 501



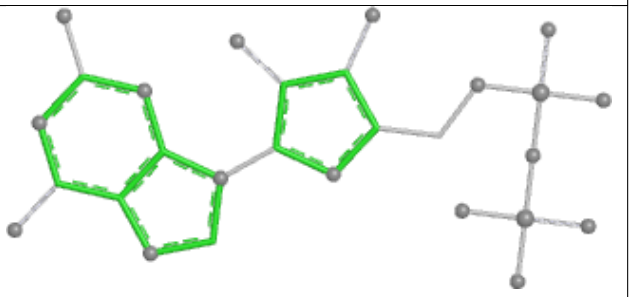
Bond lengths



Bond angles

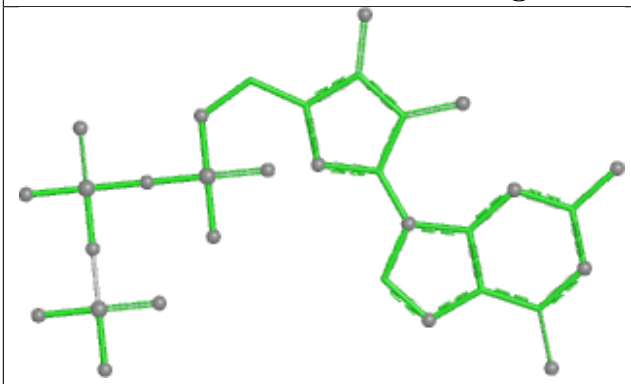


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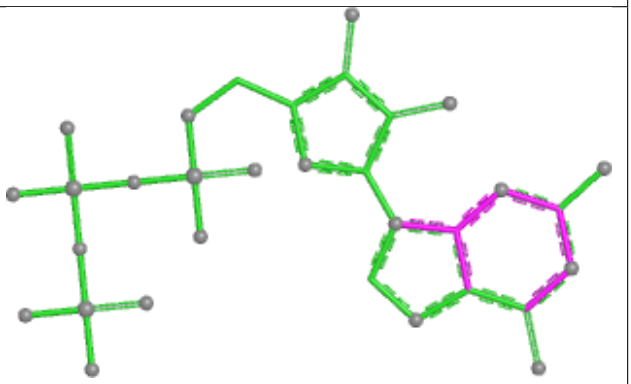


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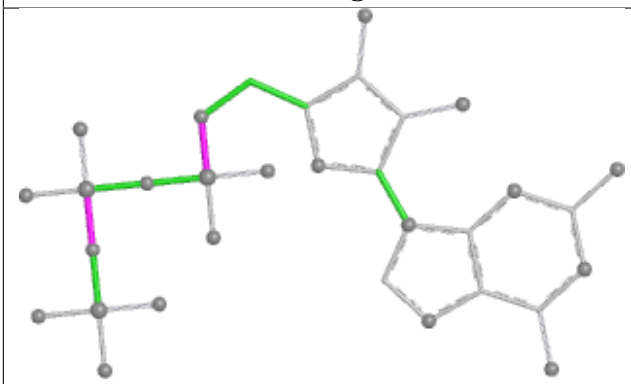
Ligand GTP YE 602



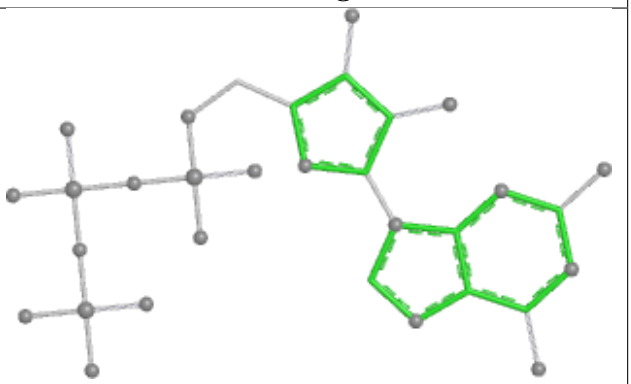
Bond lengths



Bond angles

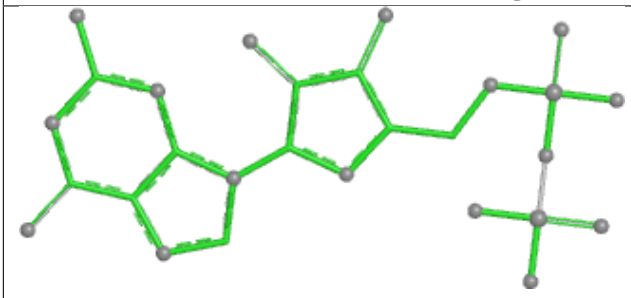


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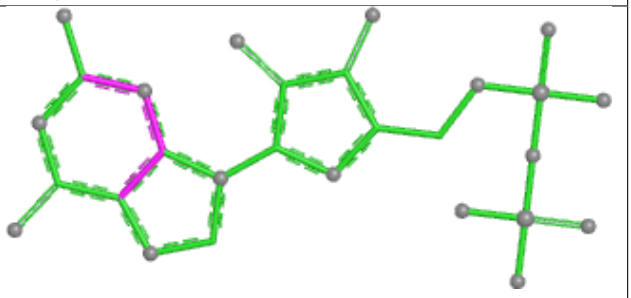


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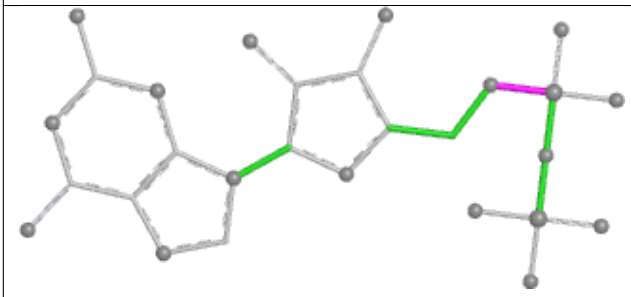
Ligand GDP QT 501



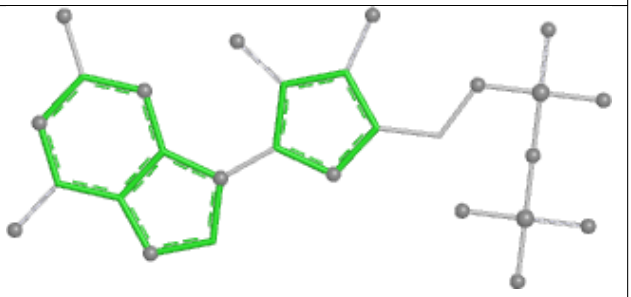
Bond lengths



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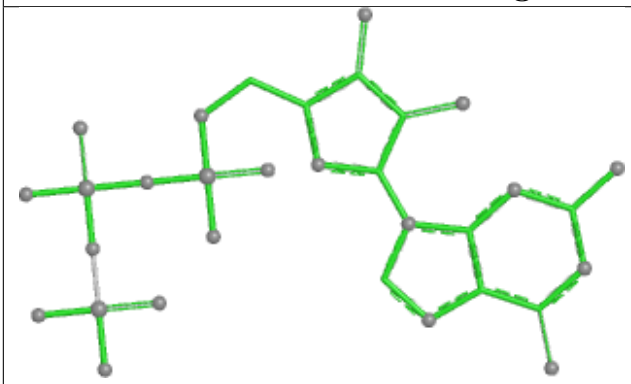


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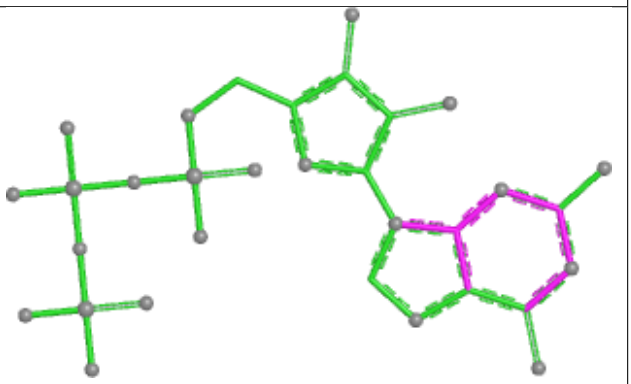


Rings

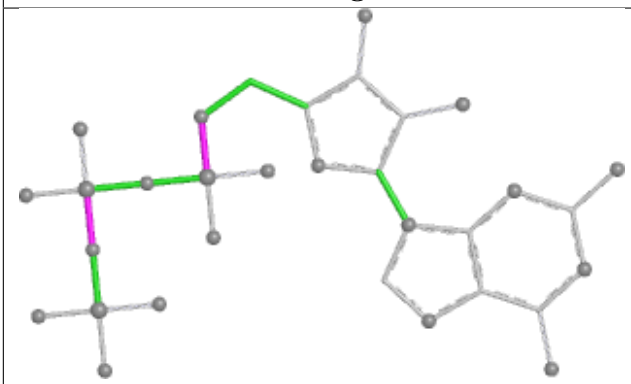
Ligand GTP ZF 602



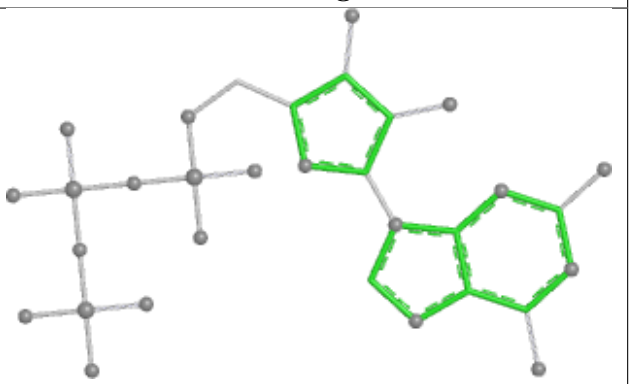
Bond lengths



Bond angles

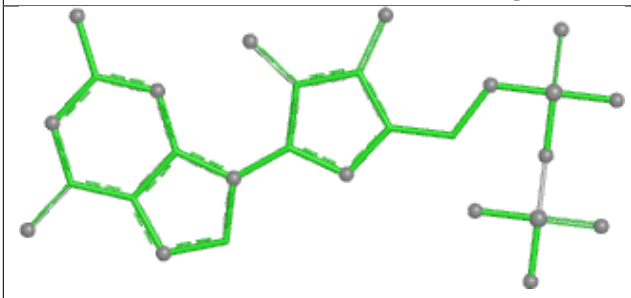


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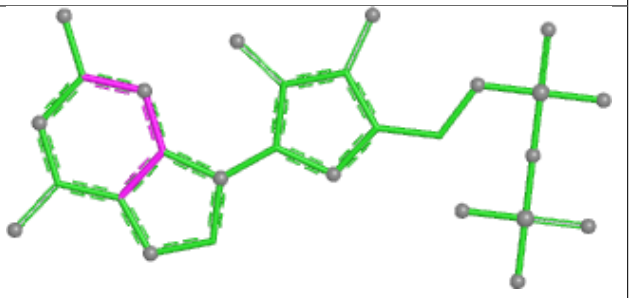


Rings

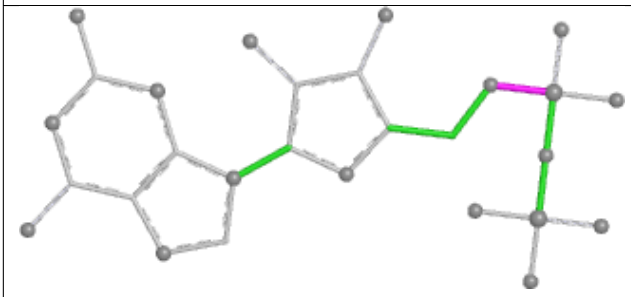
Ligand GDP BA 501



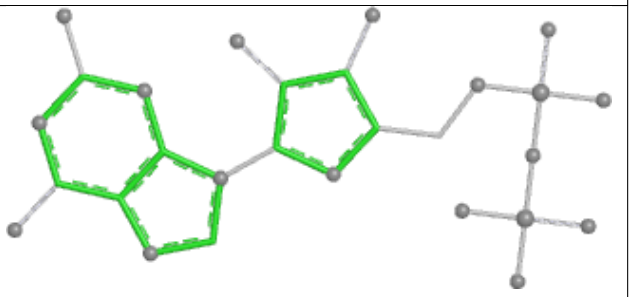
Bond lengths



Bond angles

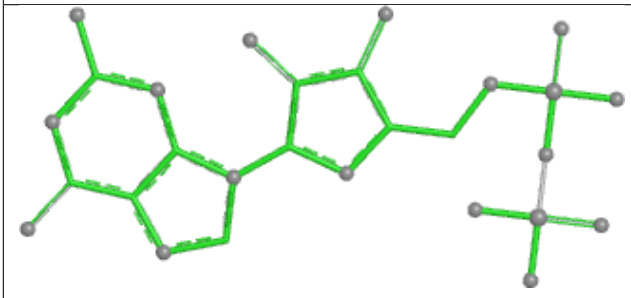


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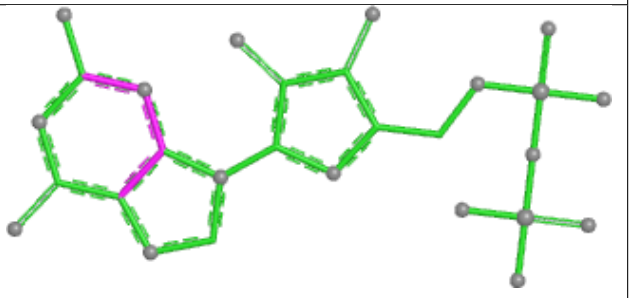


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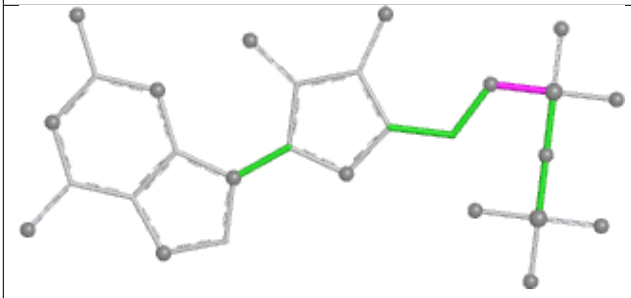
Ligand GDP GF 501



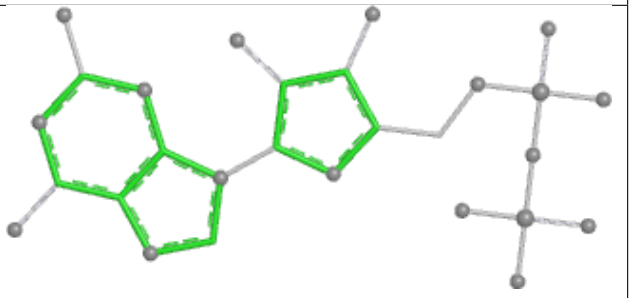
Bond lengths



Bond angles

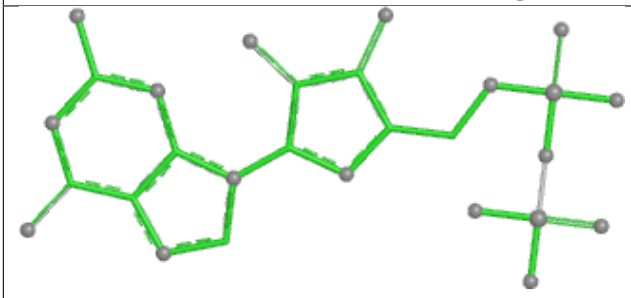


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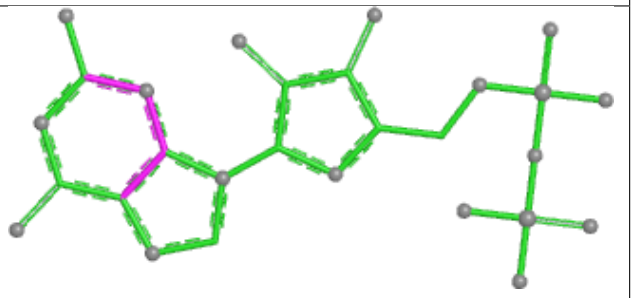


Rings

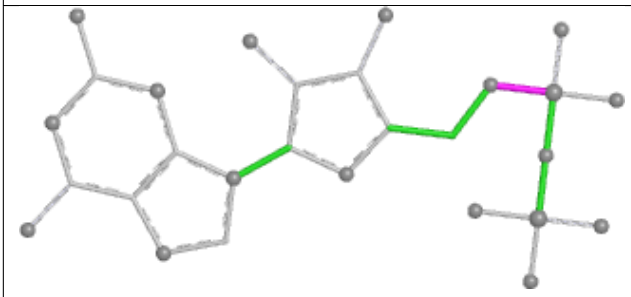
Ligand GDP PL 501



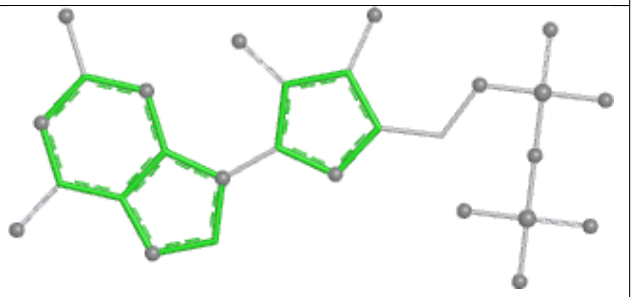
Bond lengths



Bond angles

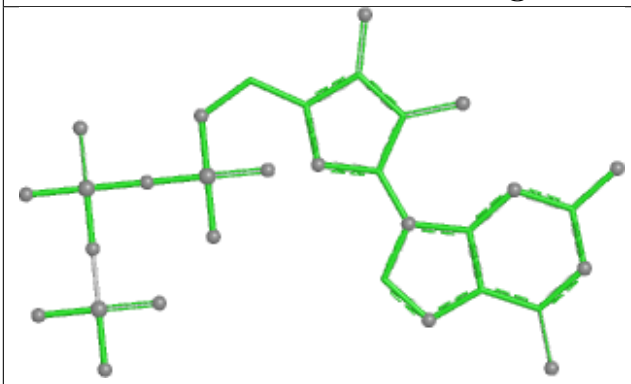


Torsions

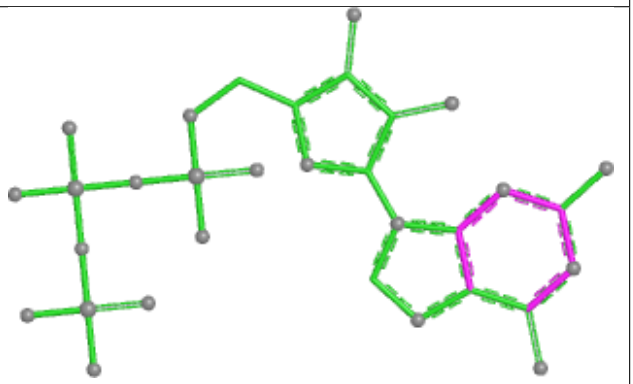


Rings

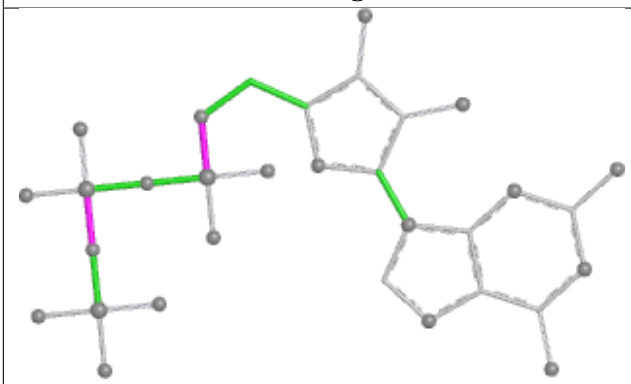
Ligand GTP XA 501



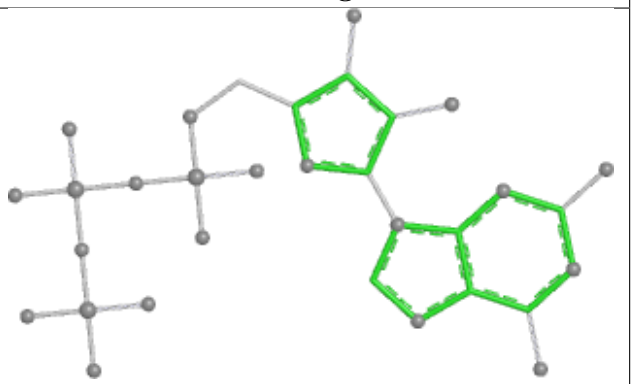
Bond lengths



Bond angles

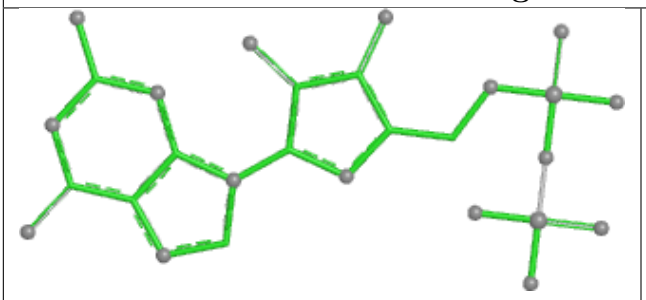


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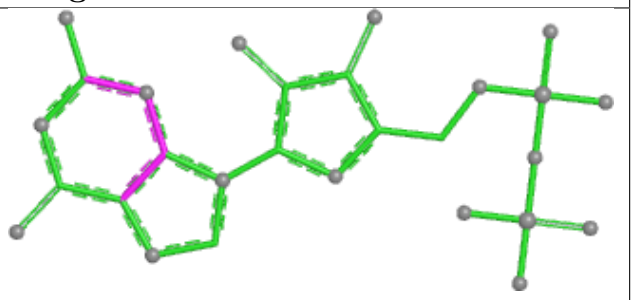


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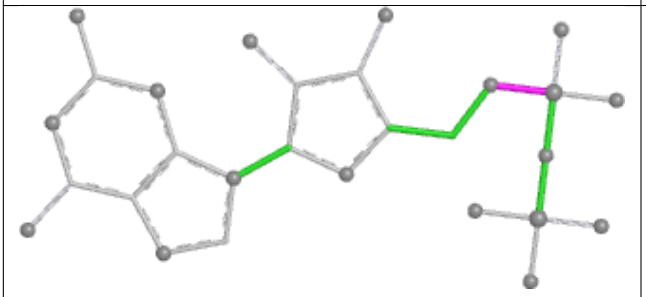
Ligand GDP Ag 501



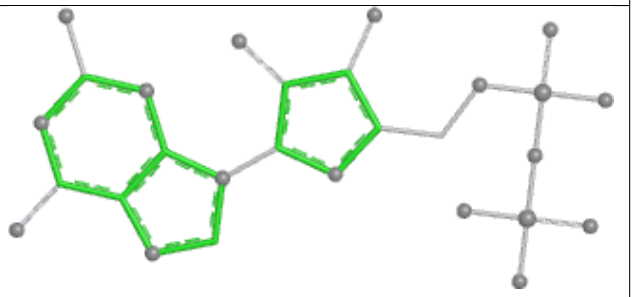
Bond lengths



Bond angles

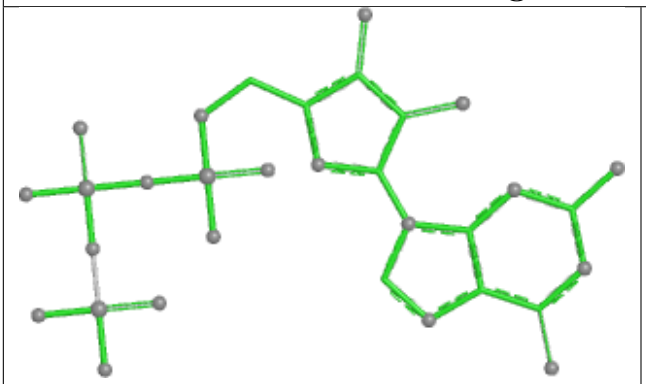


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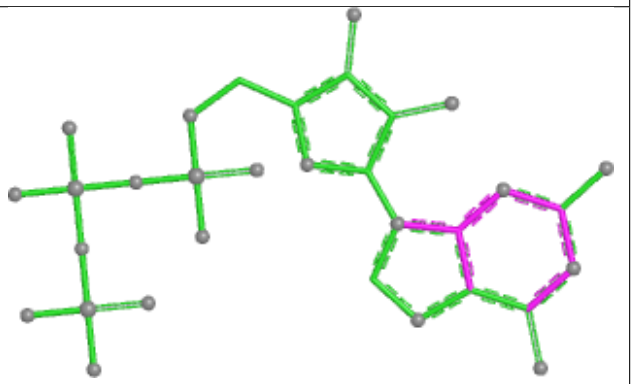


Rings

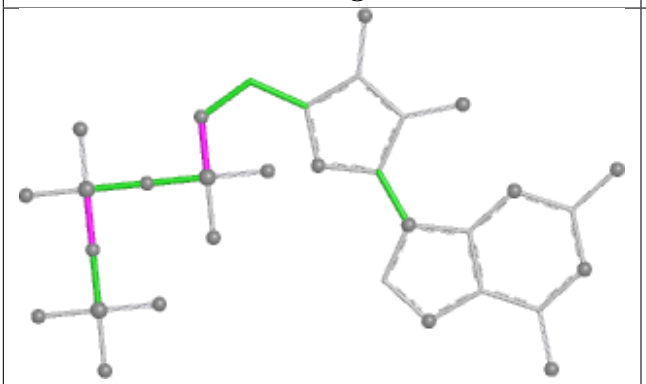
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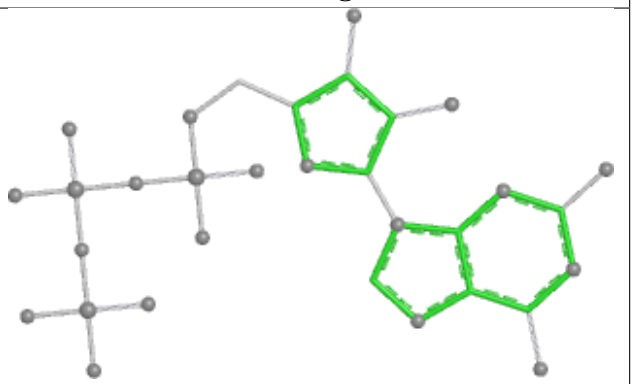
Bond lengths



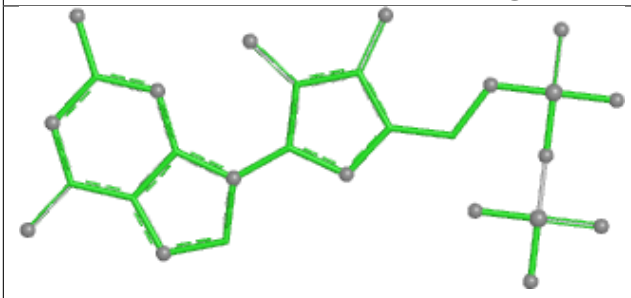
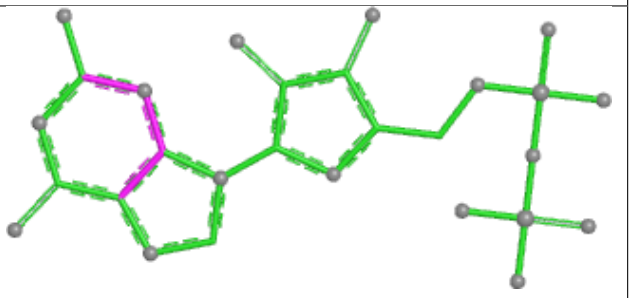
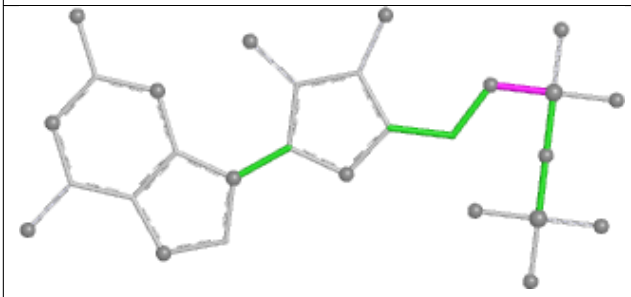
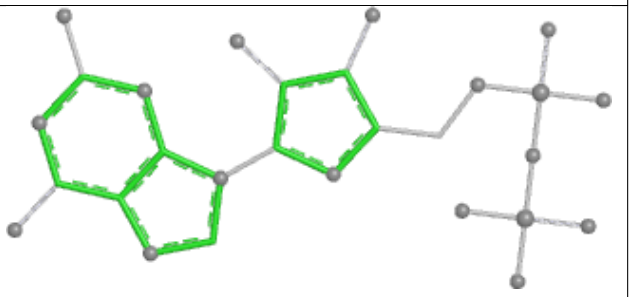
Bond angles

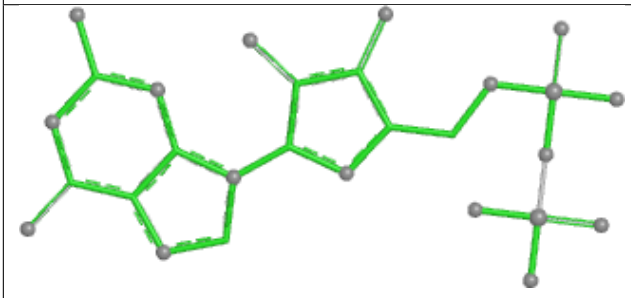
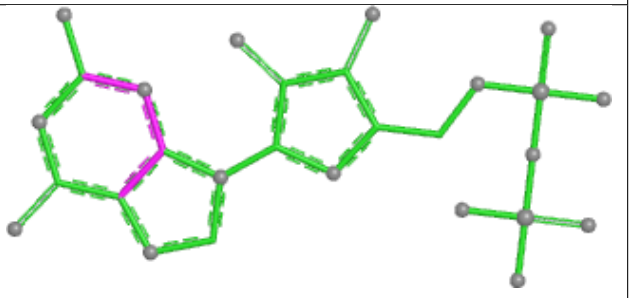
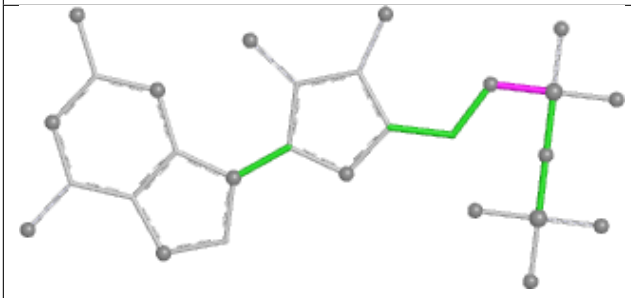
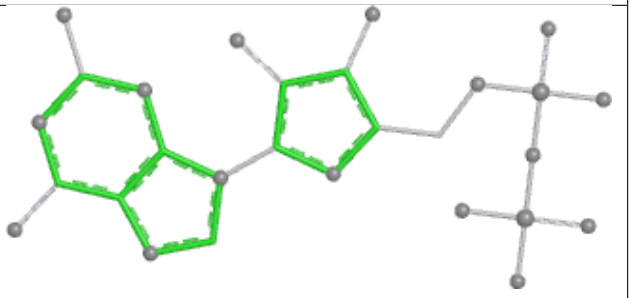


Torsions

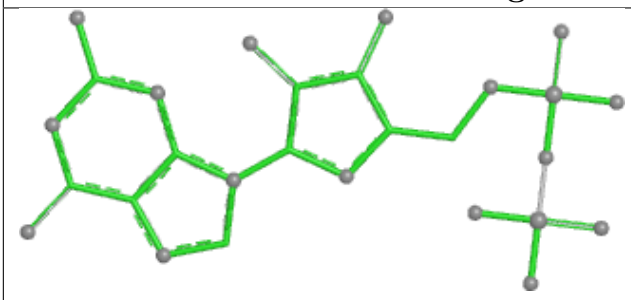


Rings

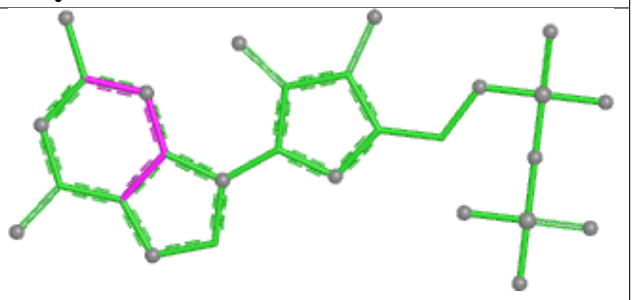
Ligand GDP Am 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Ai 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

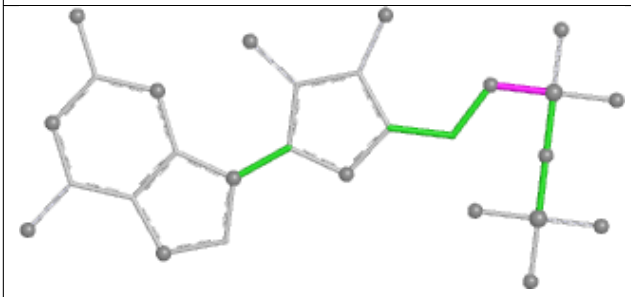
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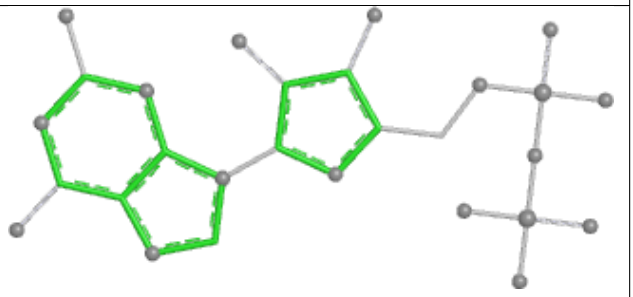
Bond lengths



Bond angles

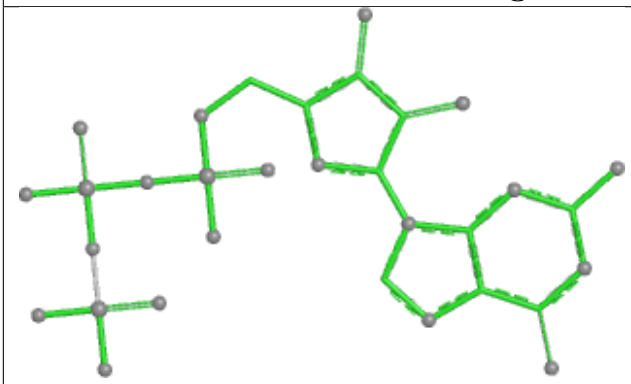


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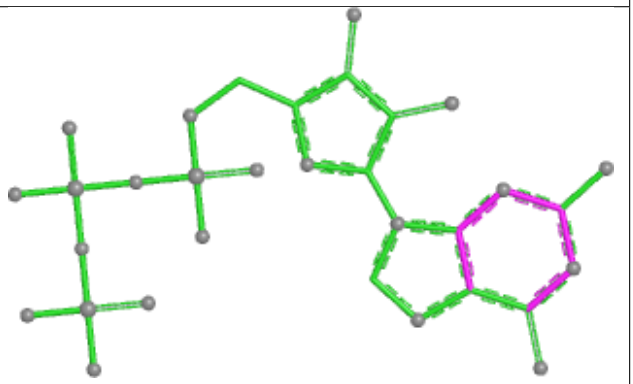


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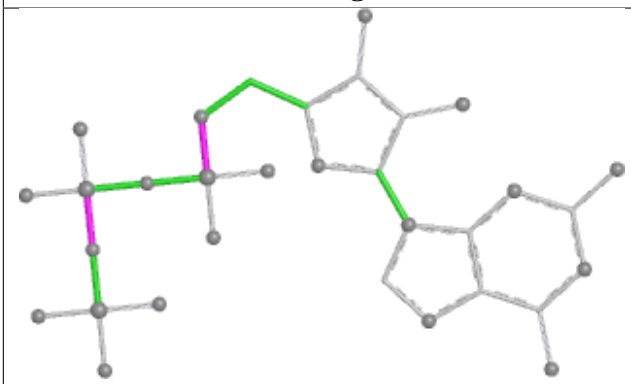
Ligand GTP KB 501



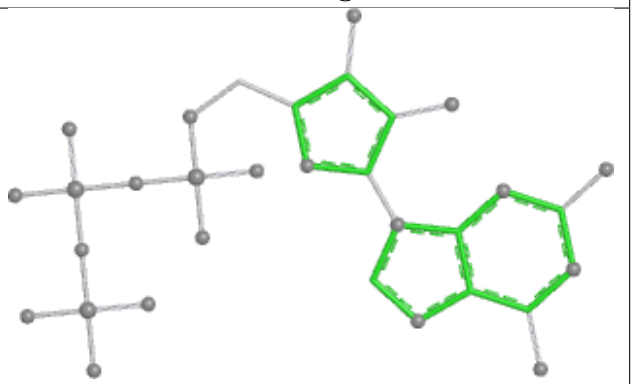
Bond lengths



Bond angles

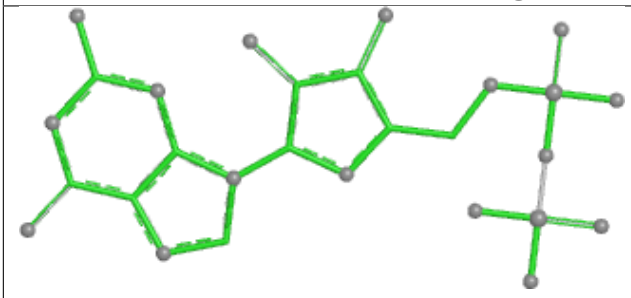


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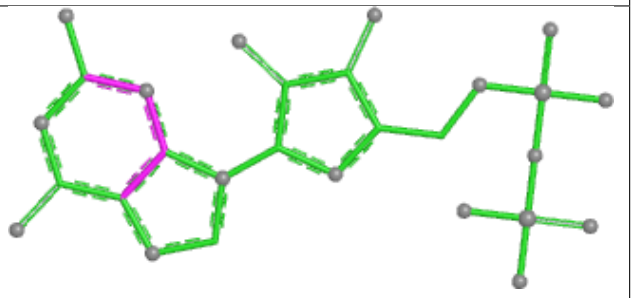


Rings

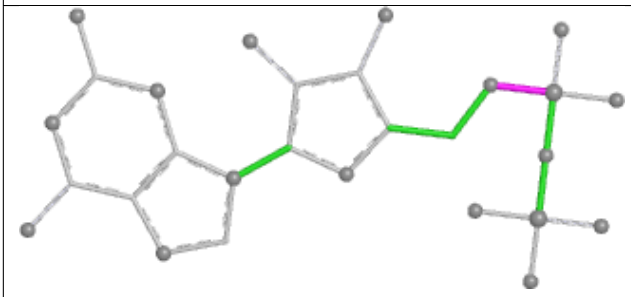
Ligand GDP ZA 501



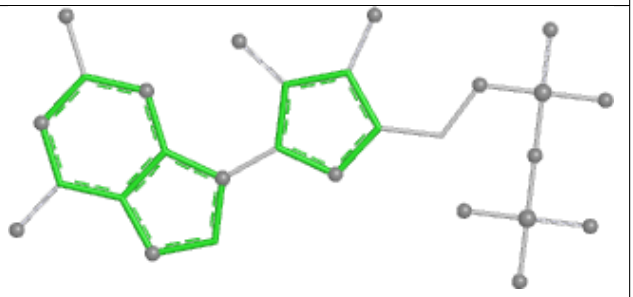
Bond lengths



Bond angles

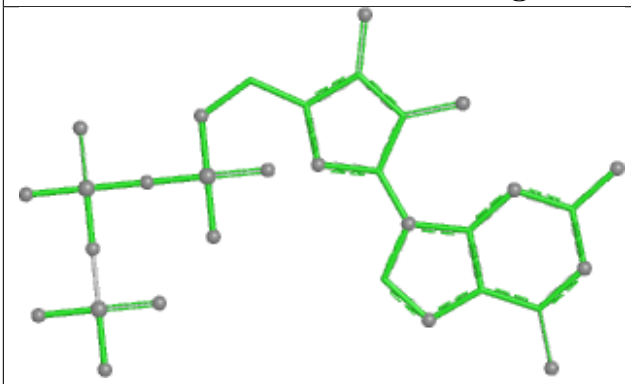


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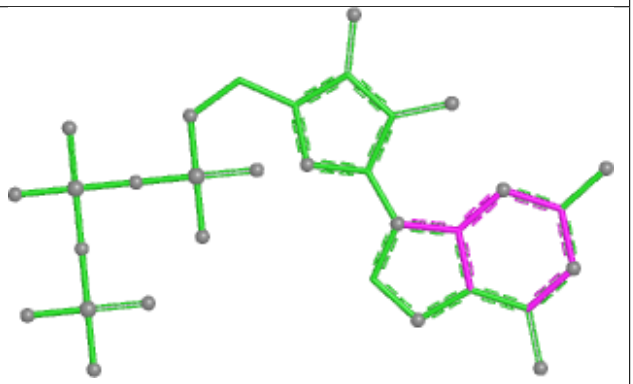


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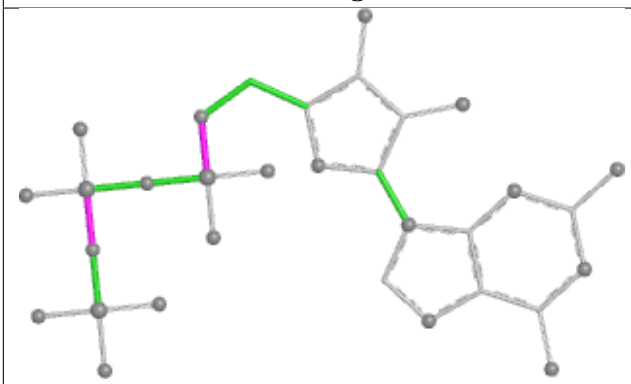
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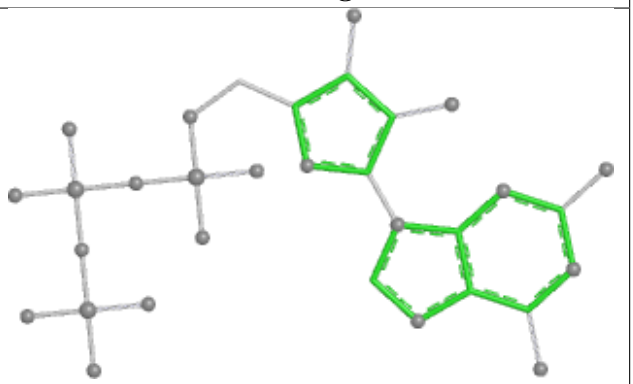
Bond lengths



Bond angles

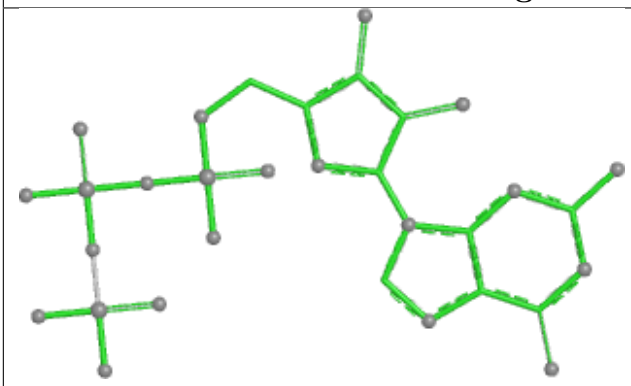


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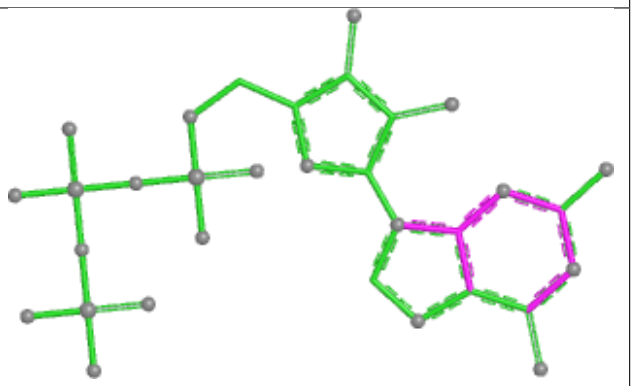


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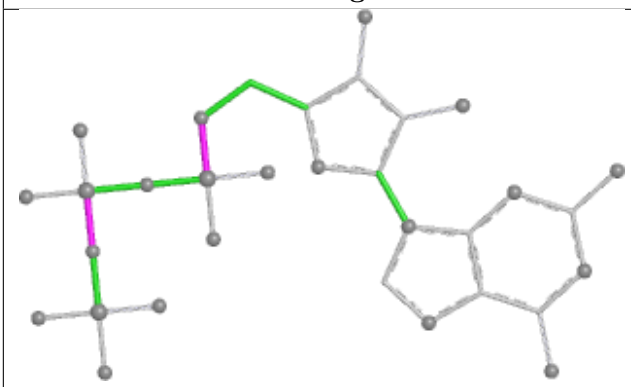
Ligand GTP XI 602



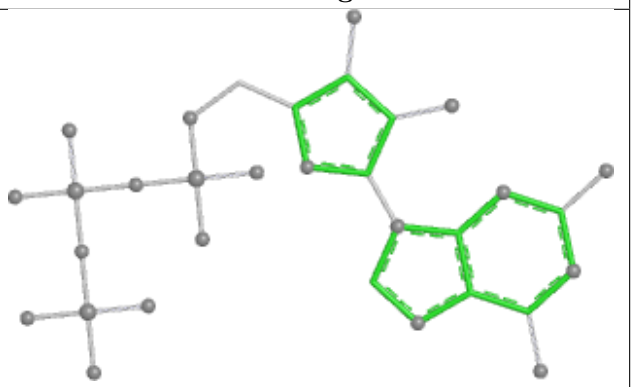
Bond lengths



Bond angles

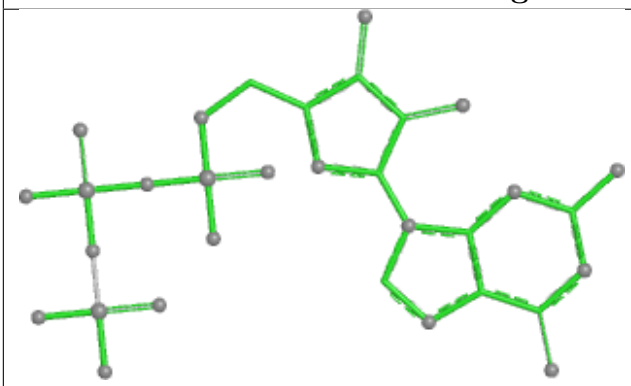


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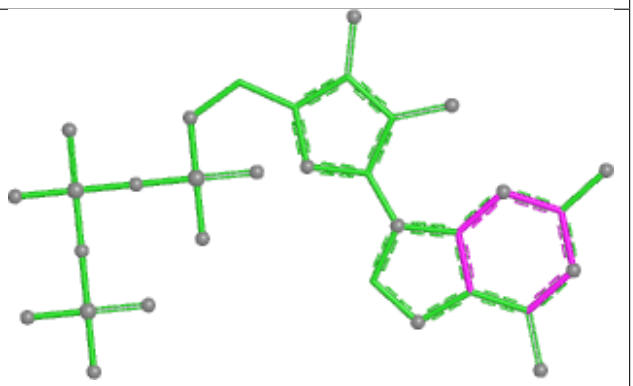


Rings

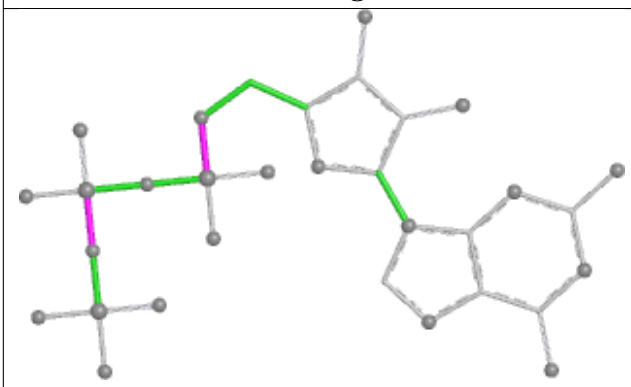
Ligand GTP DL 501



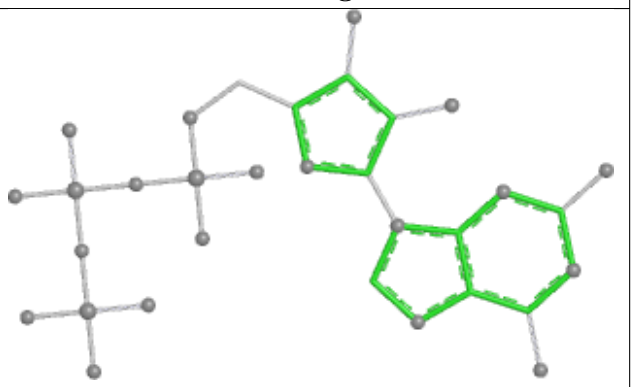
Bond lengths



Bond angles

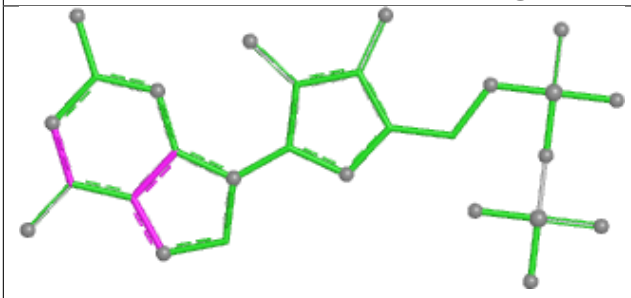


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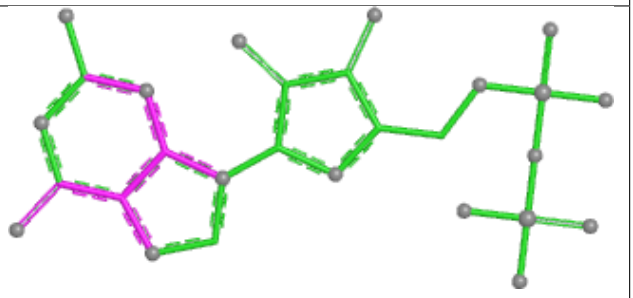


Rings

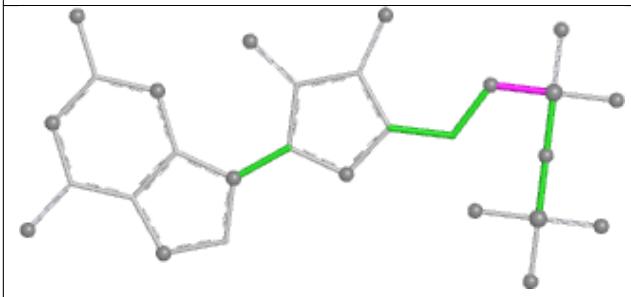
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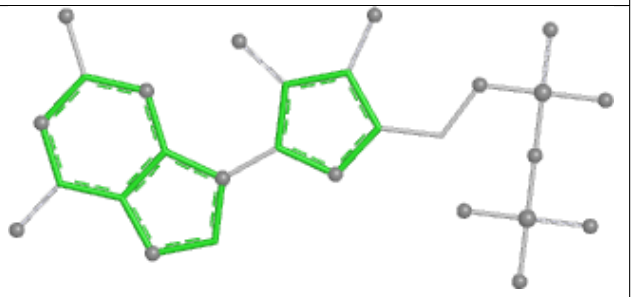
Bond lengths



Bond angles

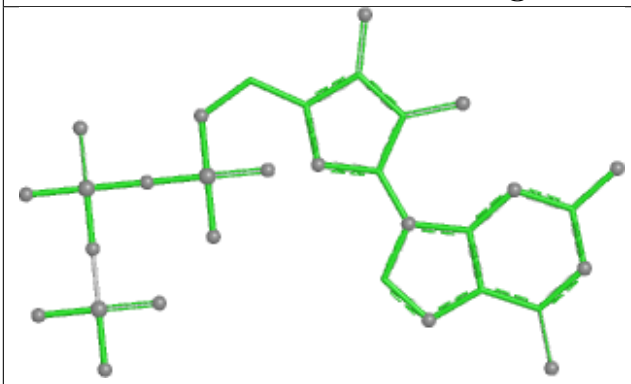


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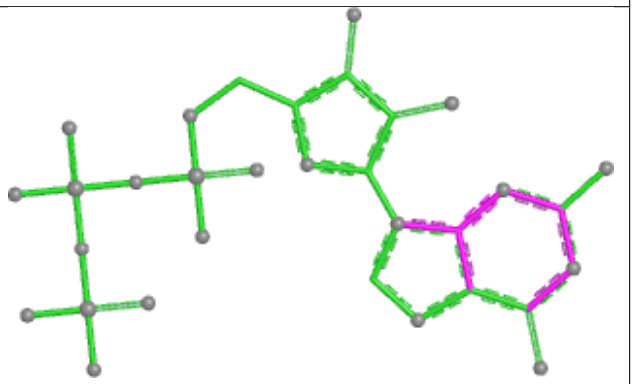


Rings

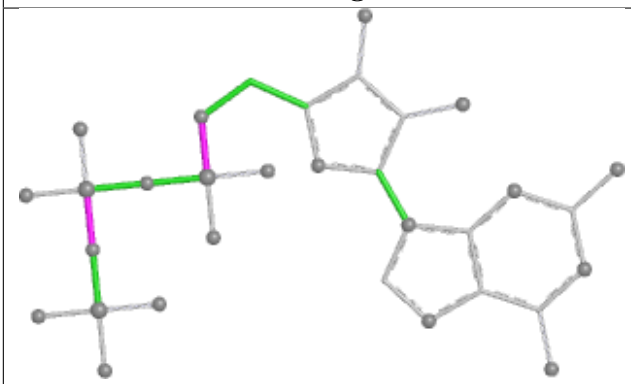
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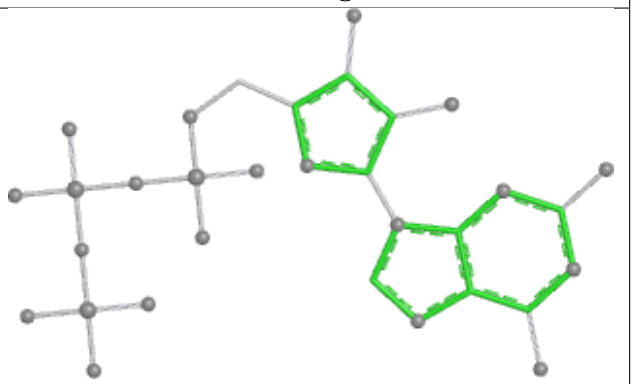
Bond lengths



Bond angles

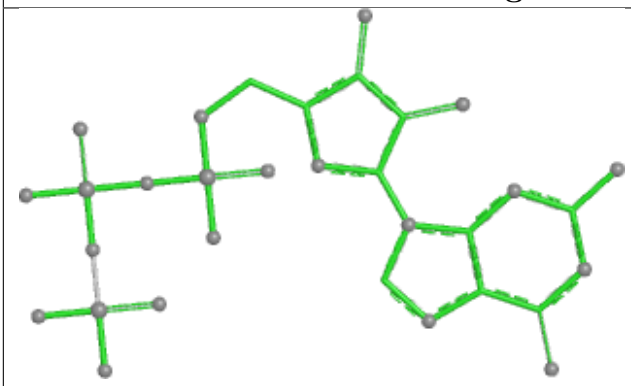


Torsions

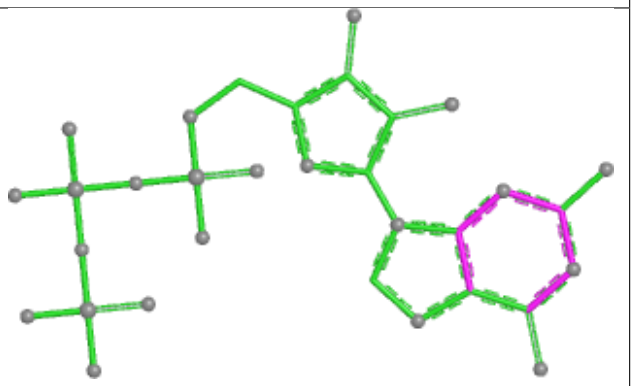


Rings

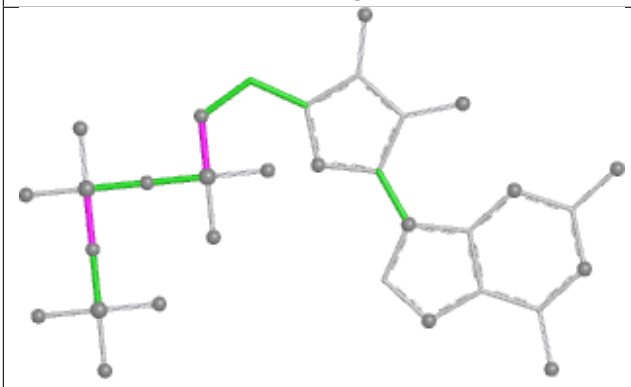
Ligand GTP RM 501



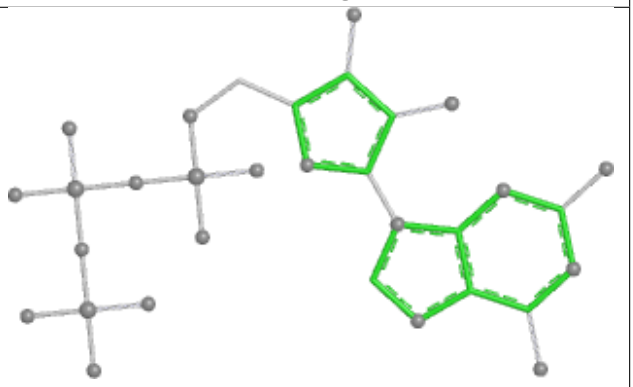
Bond lengths



Bond angles

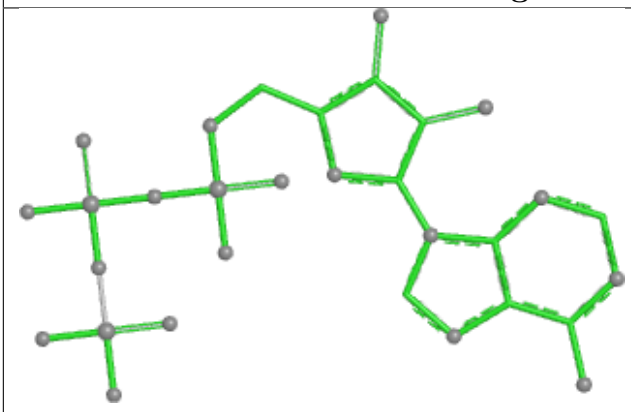


Torsions

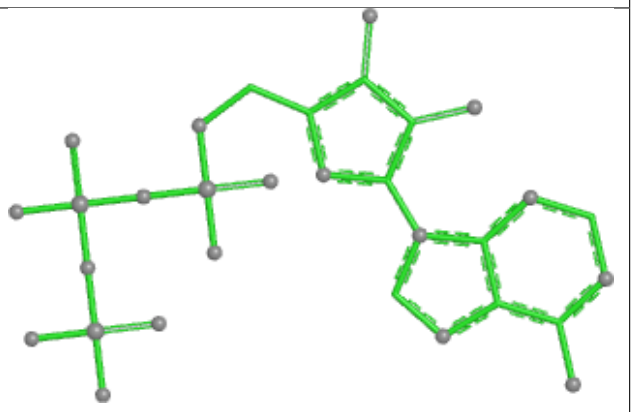


Rings

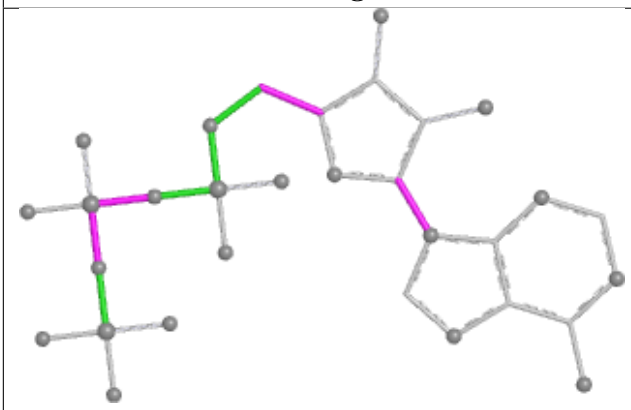
Ligand ATP 7a 4704



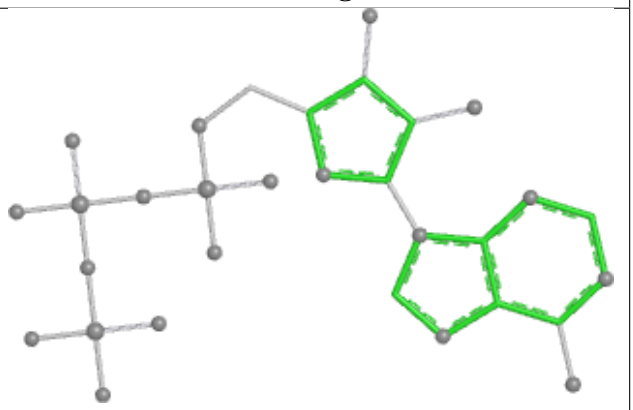
Bond lengths



Bond angles

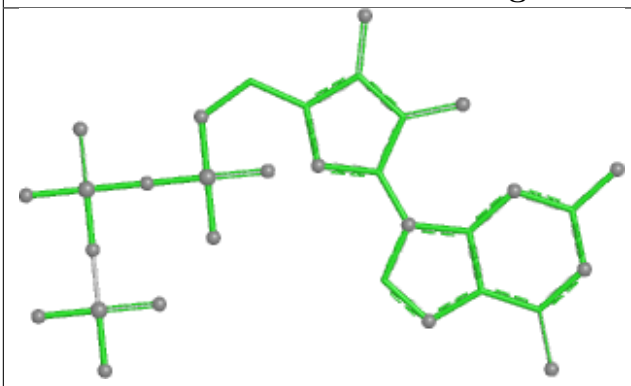


Torsions

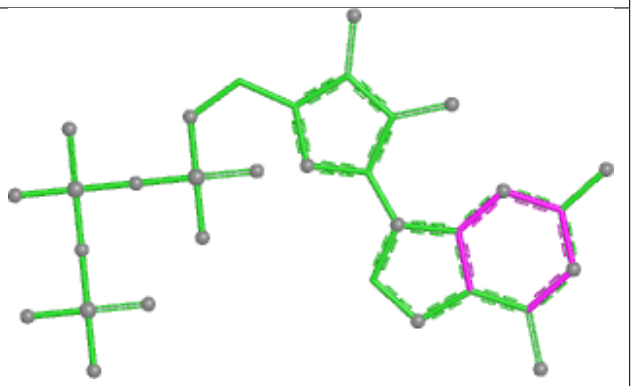


Rings

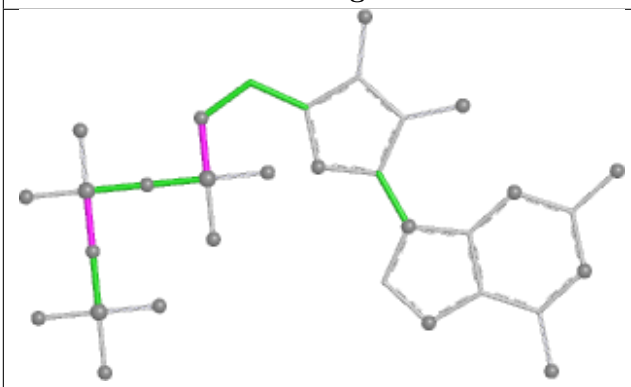
Ligand GTP DB 501



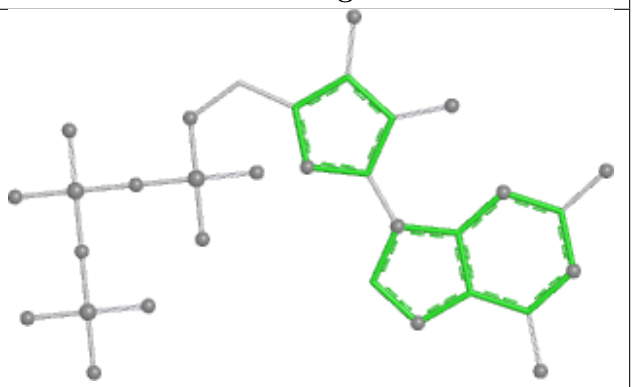
Bond lengths



Bond angles

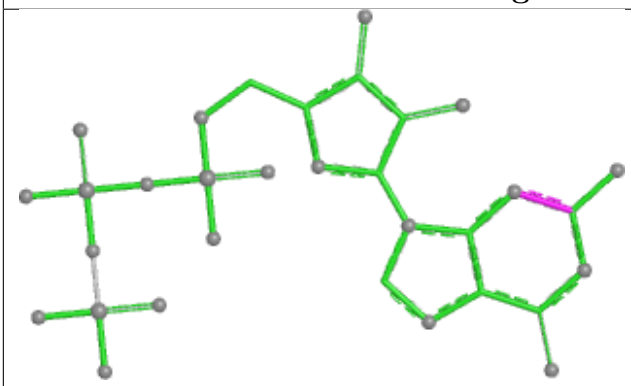


Torsions

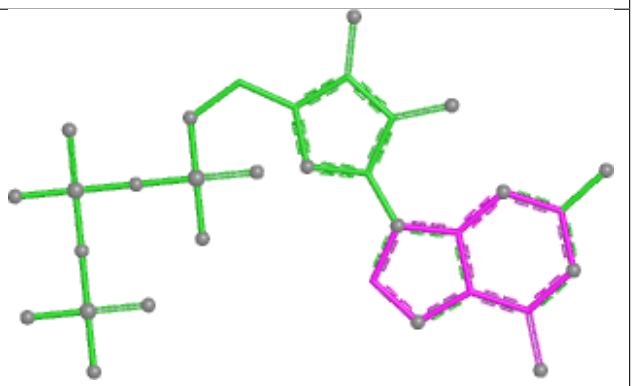


Rings

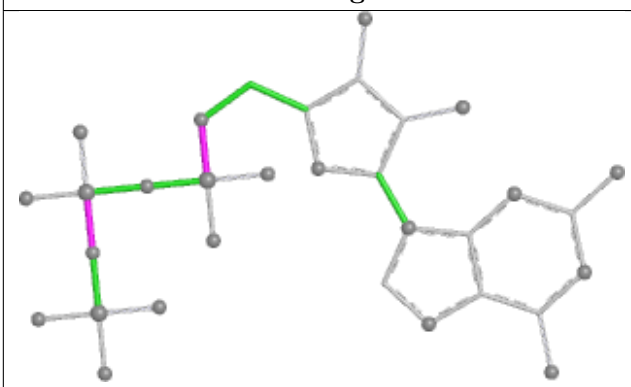
Ligand GTP CL 501



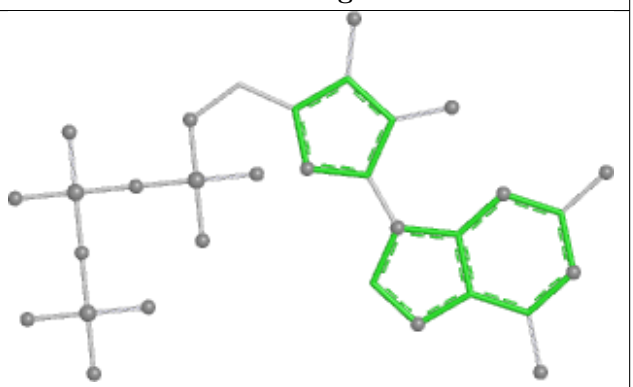
Bond lengths



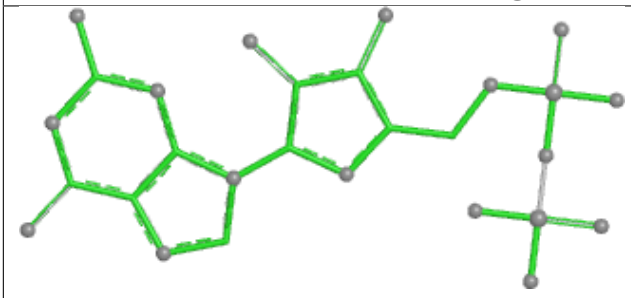
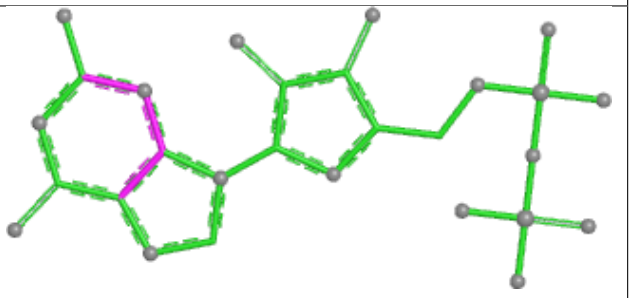
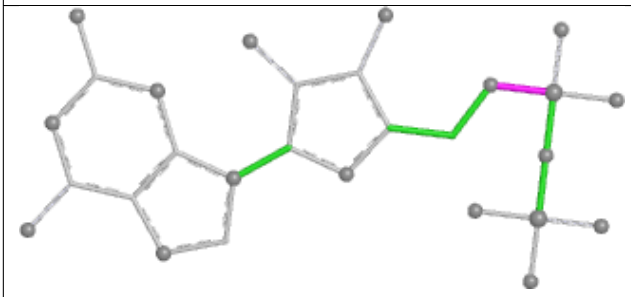
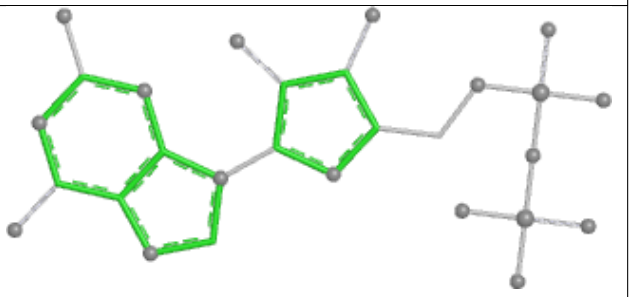
Bond angles

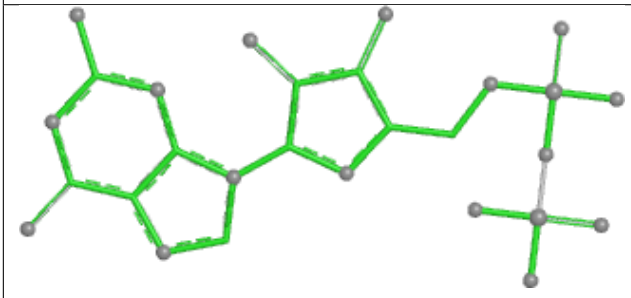
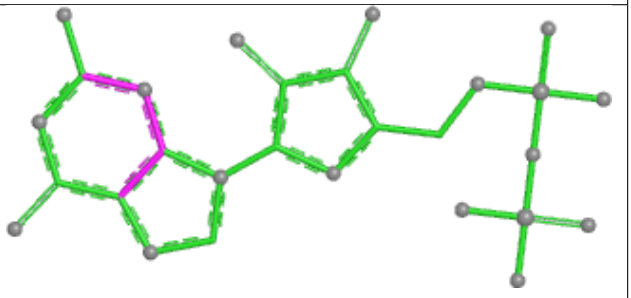
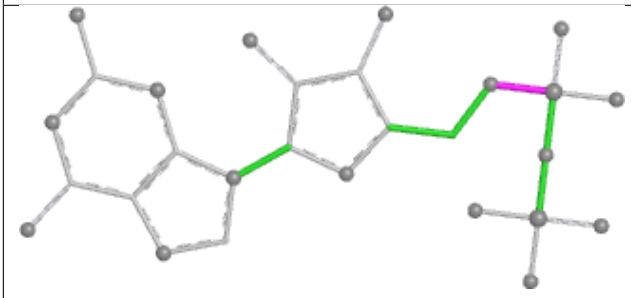
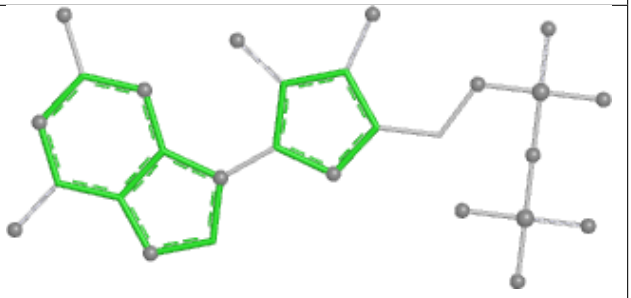


Torsions

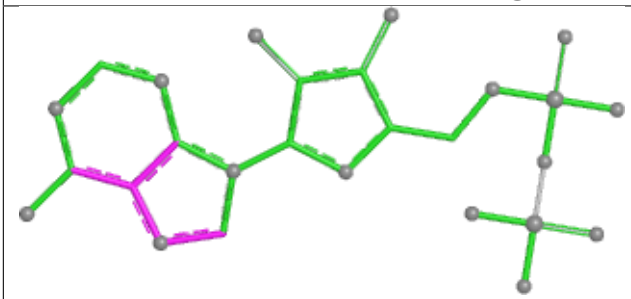


Rings

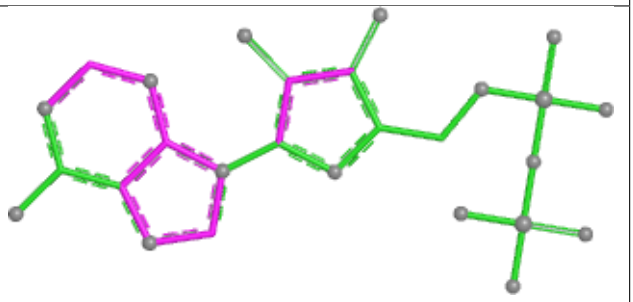
Ligand GDP XP 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP SP 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

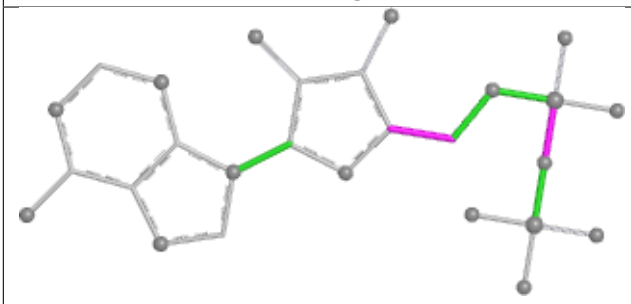
Ligand ADP 7e 4701



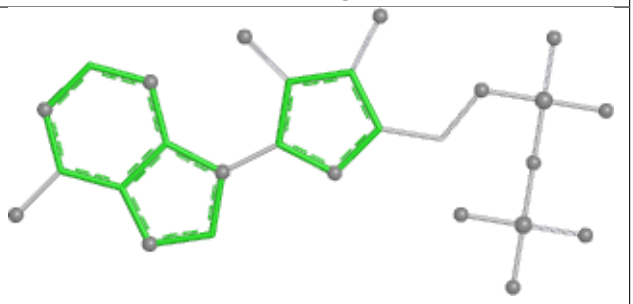
Bond lengths



Bond angles

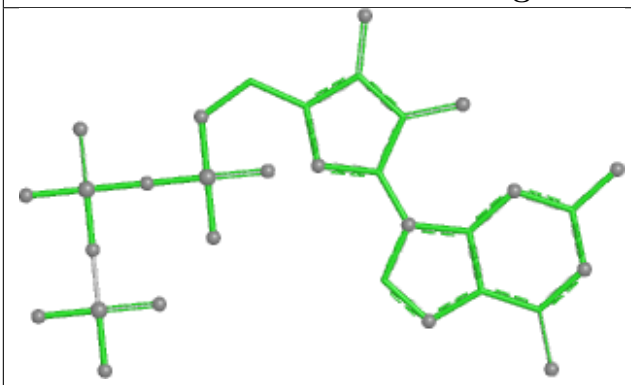


Torsions

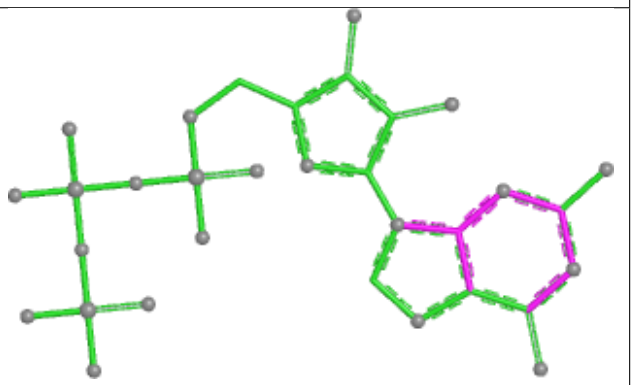


Rings

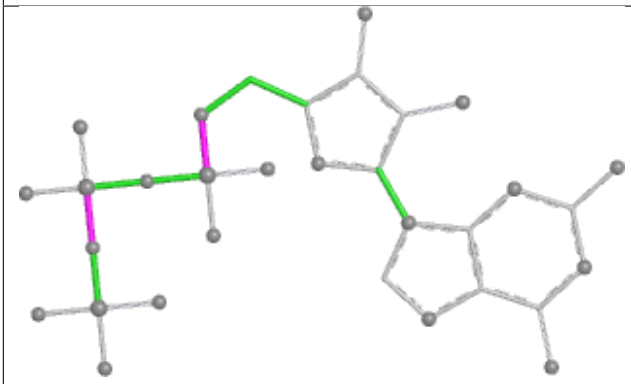
Ligand GTP YJ 602



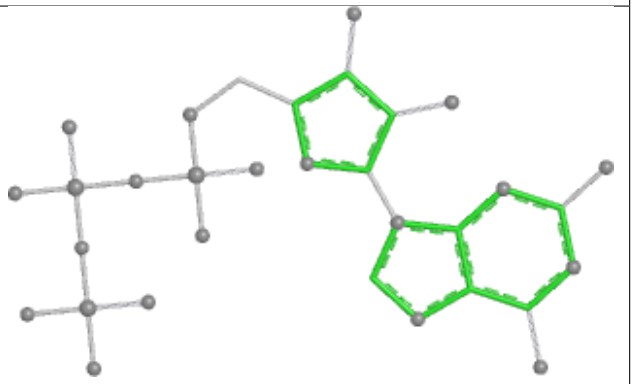
Bond lengths



Bond angles

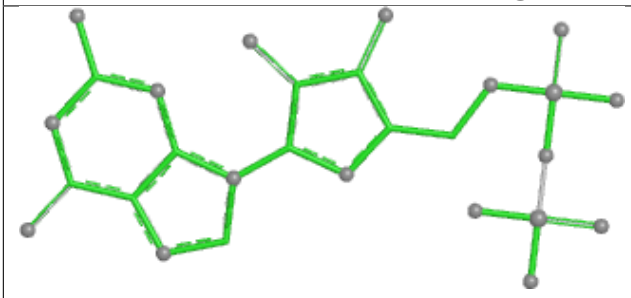


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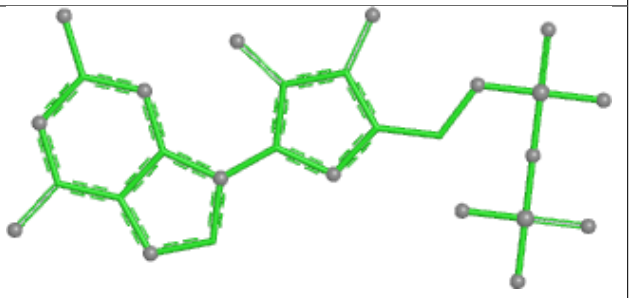


Rings

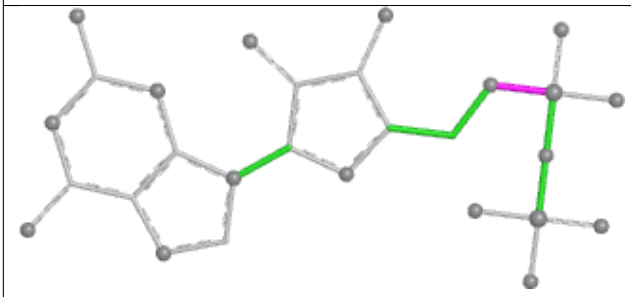
Ligand GDP XJ 501



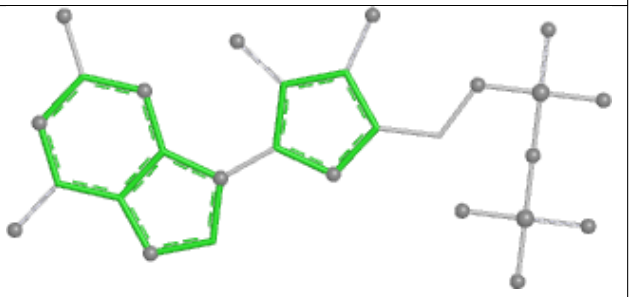
Bond lengths



Bond angles

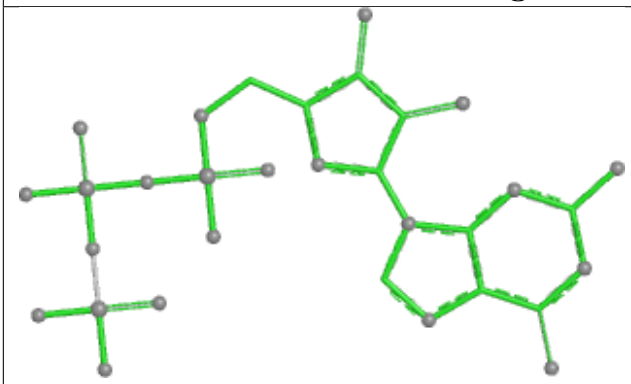


Torsions

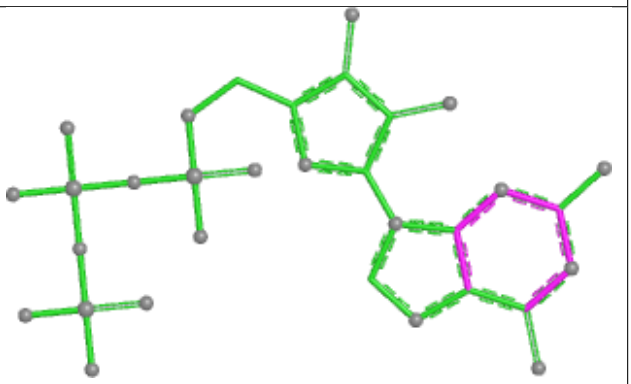


Rings

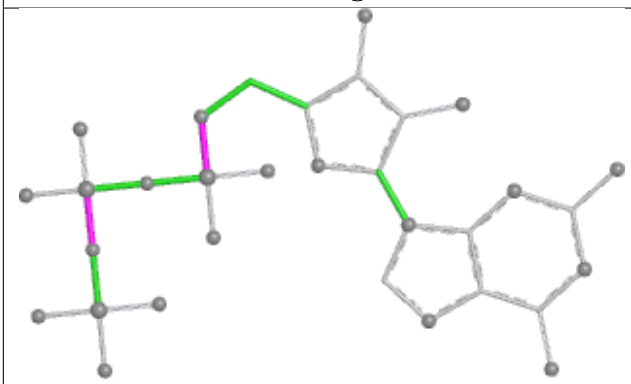
Ligand GTP PK 501



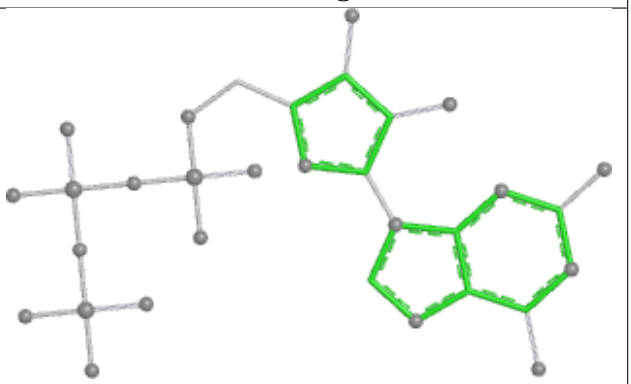
Bond lengths



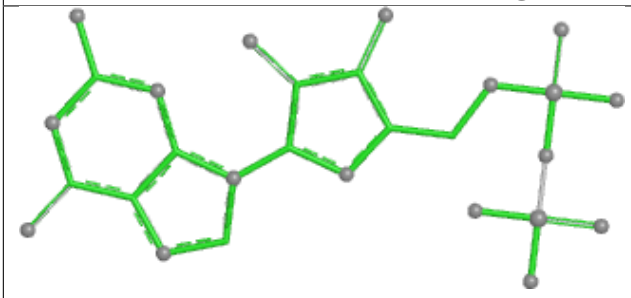
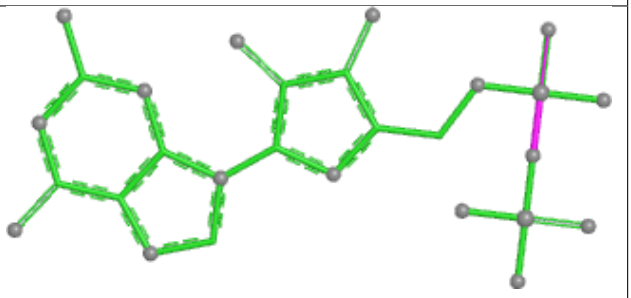
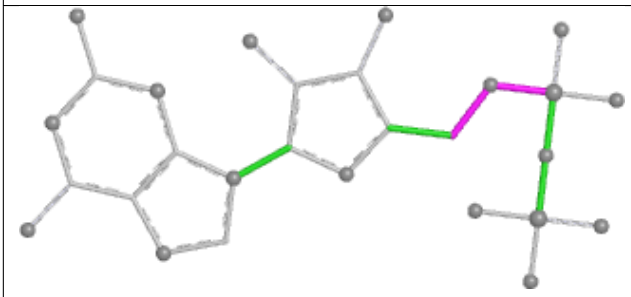
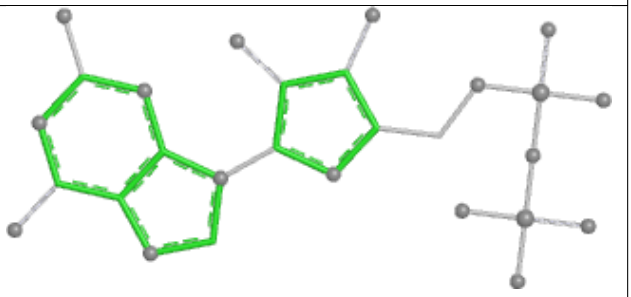
Bond angles

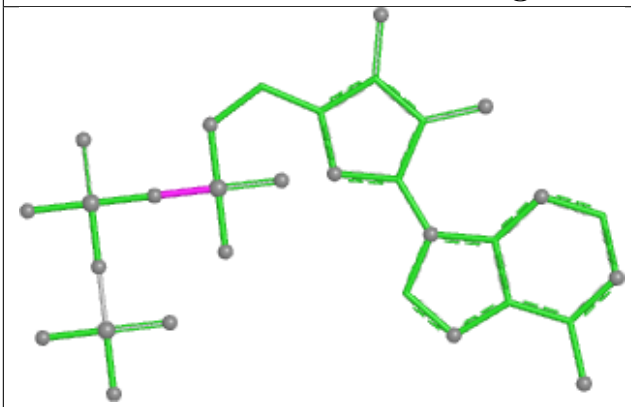
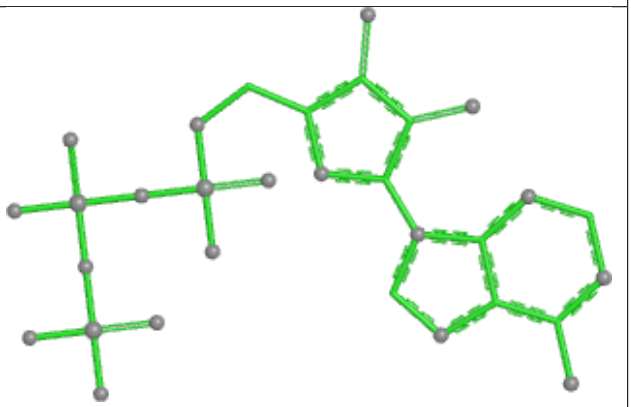
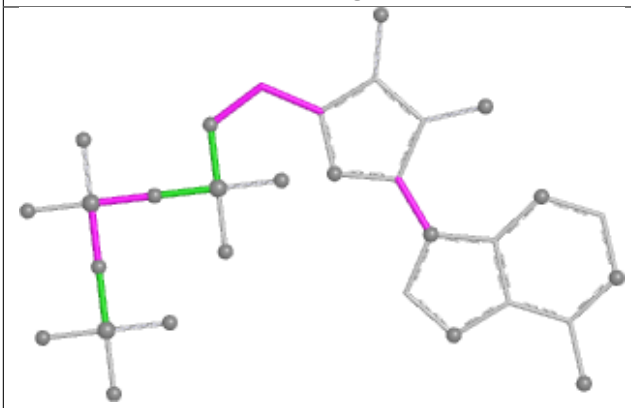
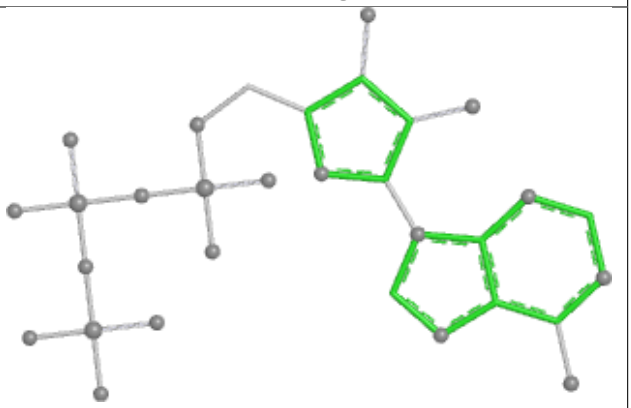


Torsions

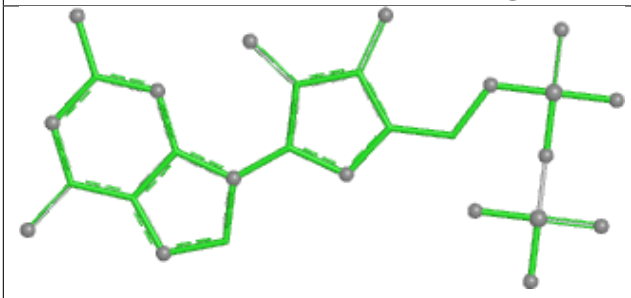


Rings

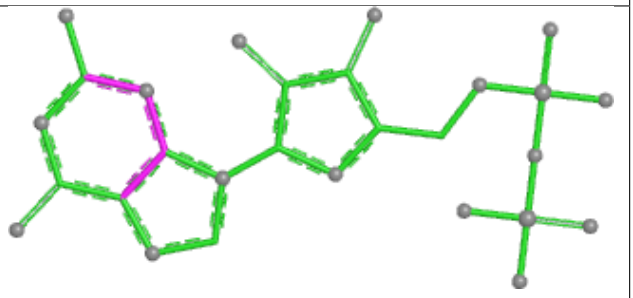
Ligand GDP Ae 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand ATP 8e 4704	
 Bond lengths	 Bond angles
 Torsions	 Rings

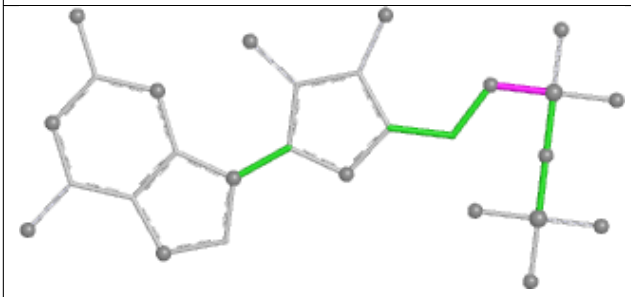
Ligand GDP OM 501



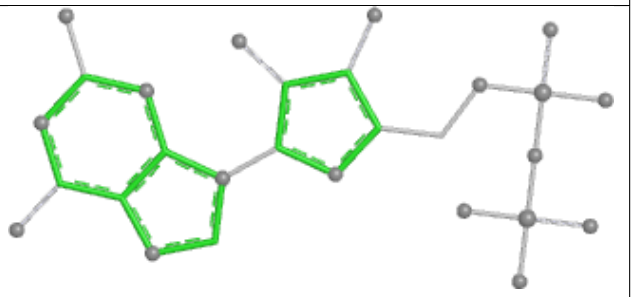
Bond lengths



Bond angles

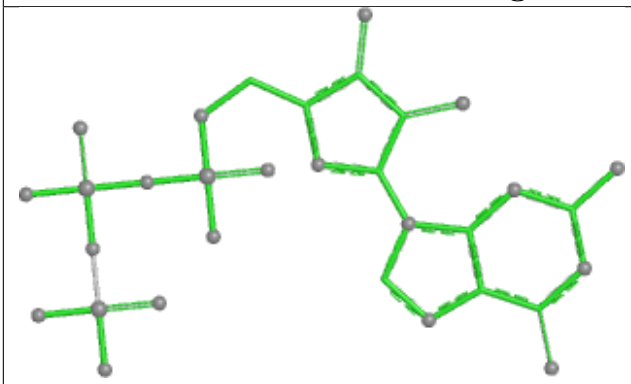


Torsions

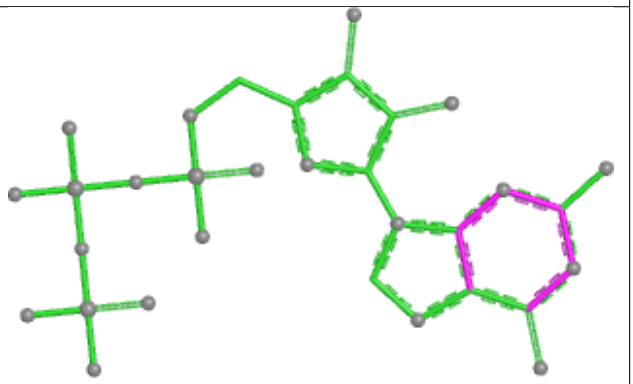


Rings

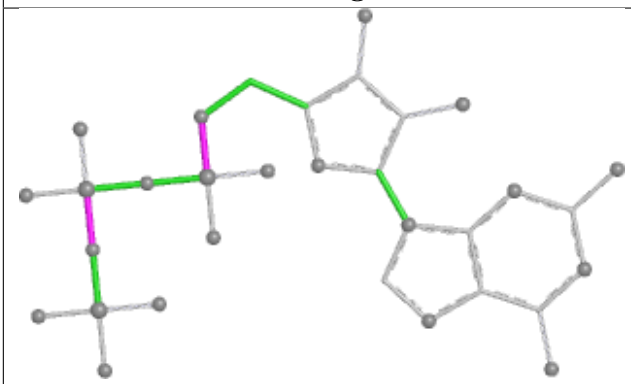
Ligand GTP RU 501



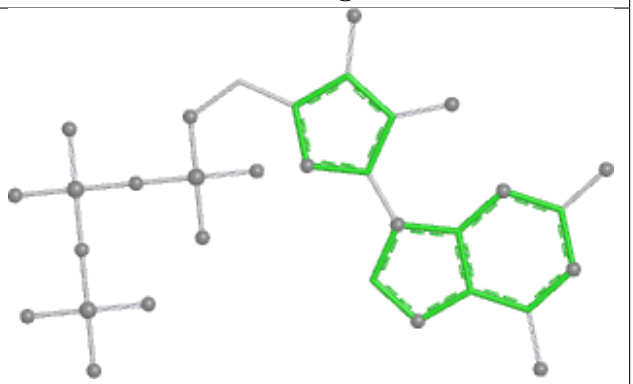
Bond lengths



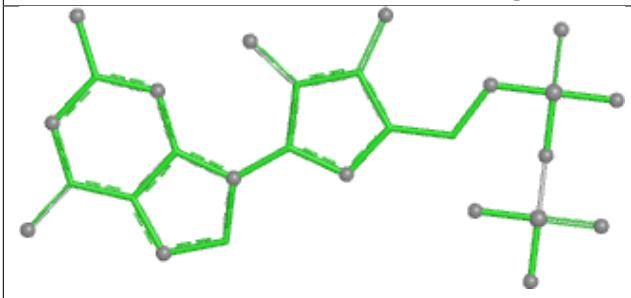
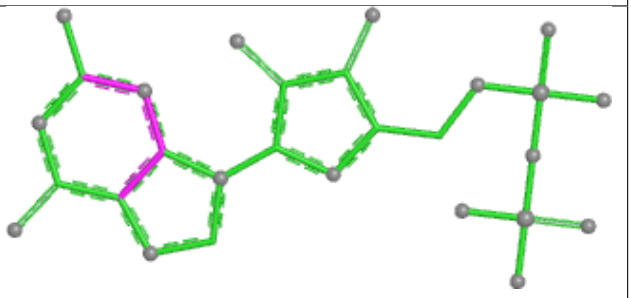
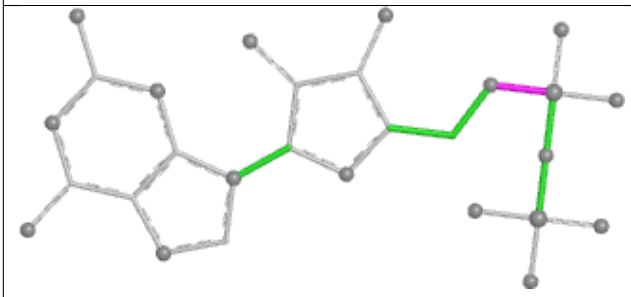
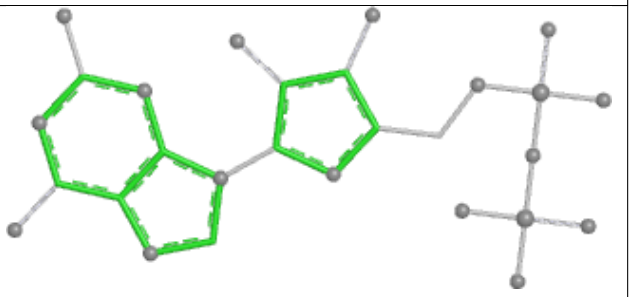
Bond angles

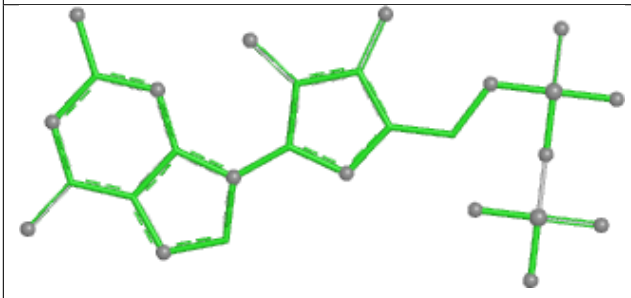
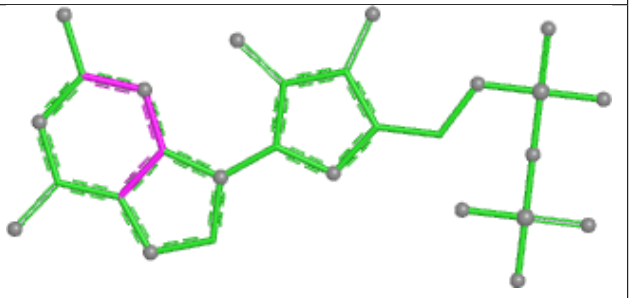
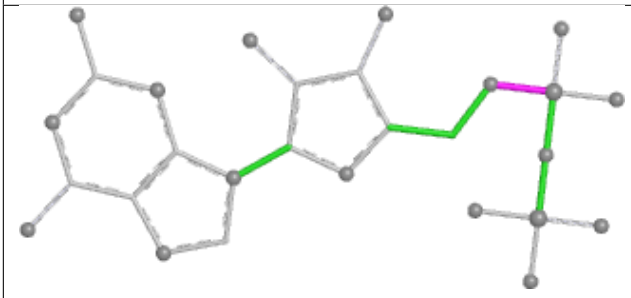
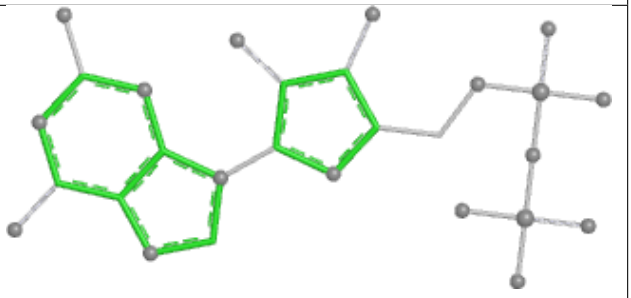


Torsions

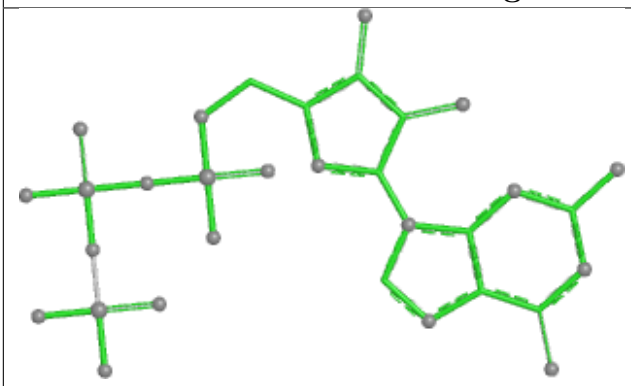


Rings

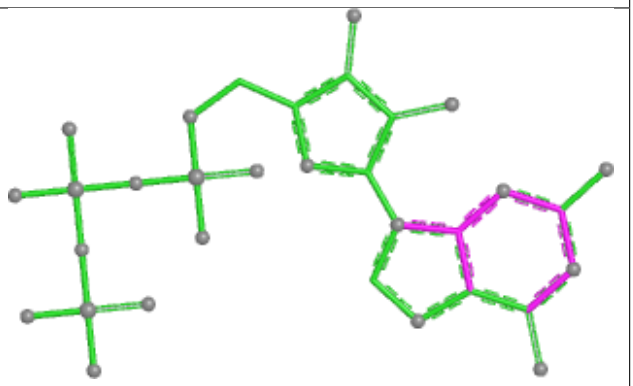
Ligand GDP XB 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP YQ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

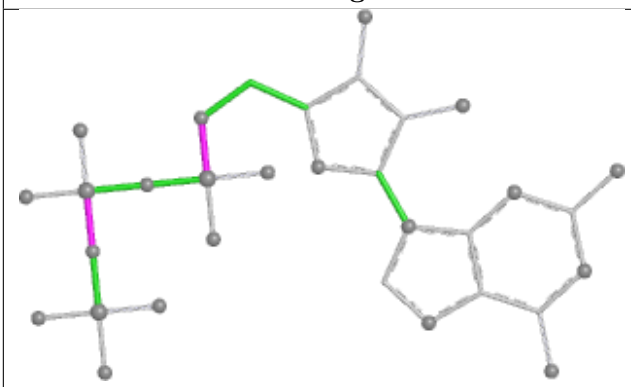
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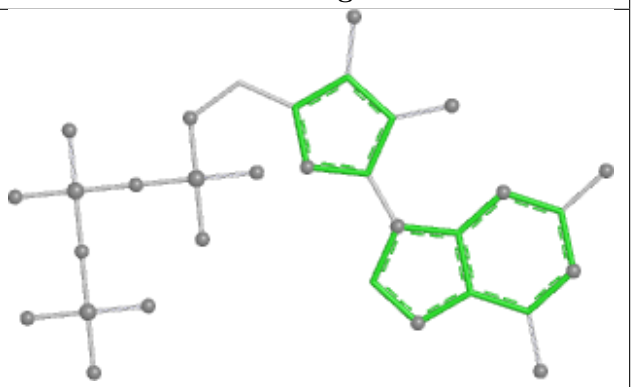
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Bond angles

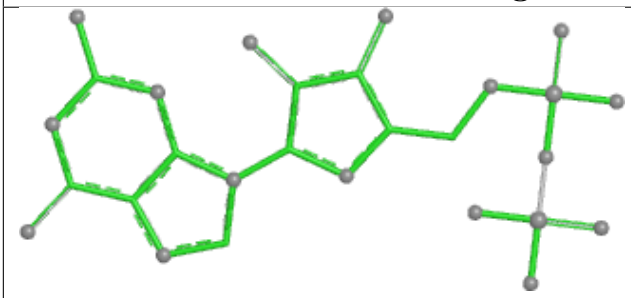


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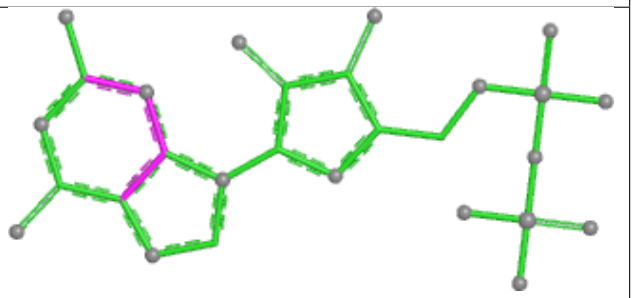


Rings

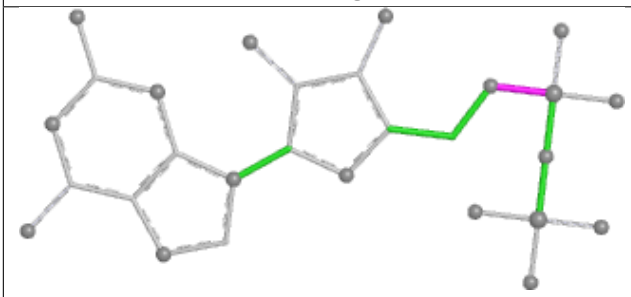
Ligand GDP LY 501



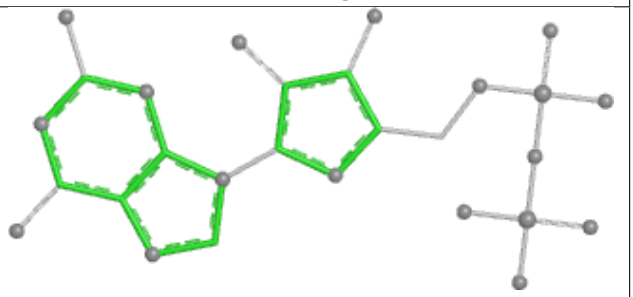
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Bond angles

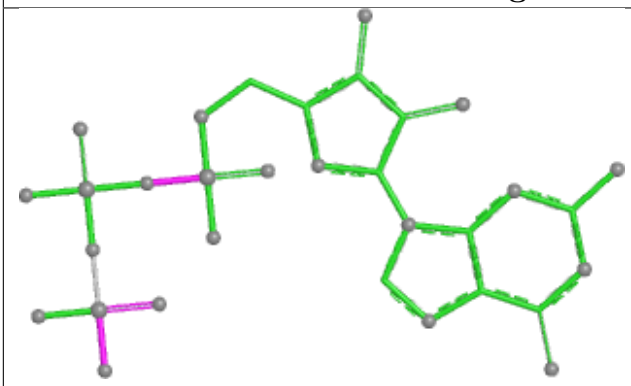


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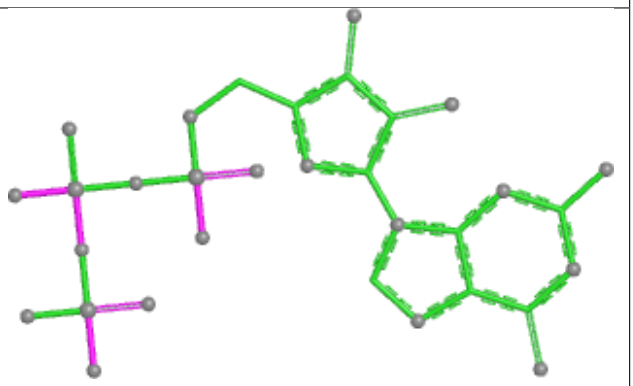


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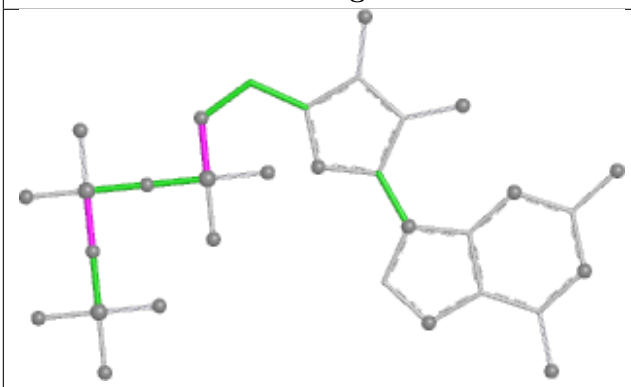
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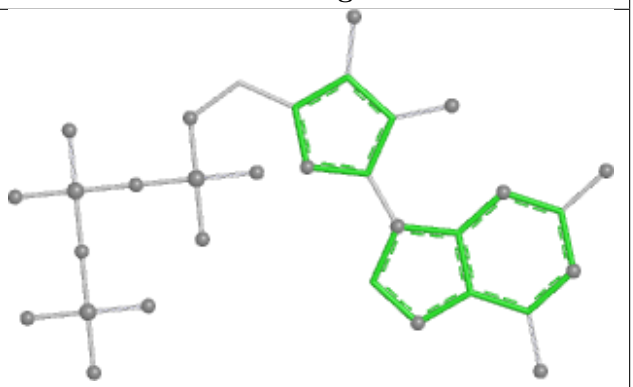
Bond lengths



Bond angles

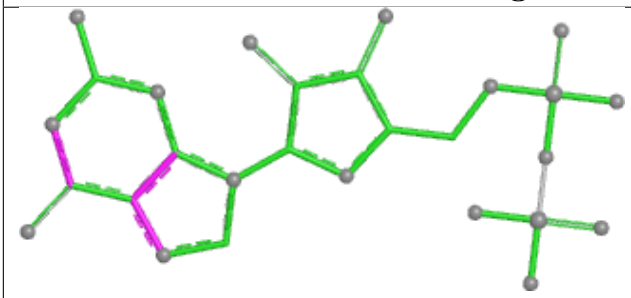


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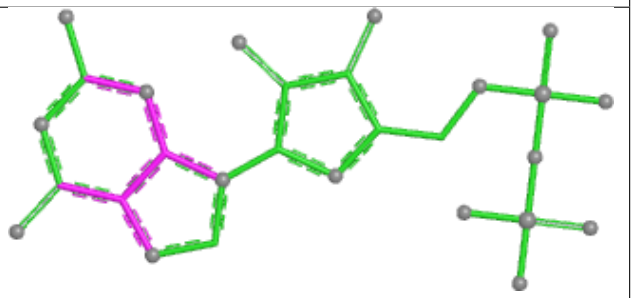


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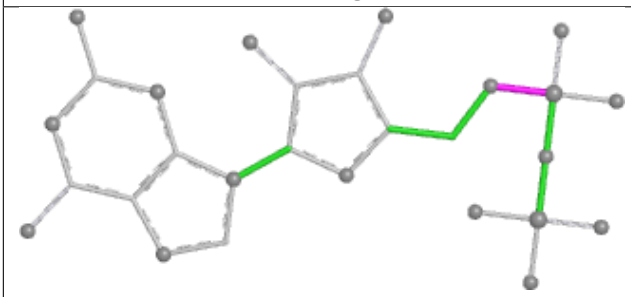
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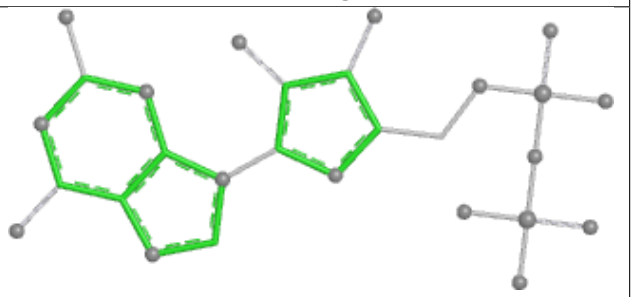
Bond lengths



Bond angles

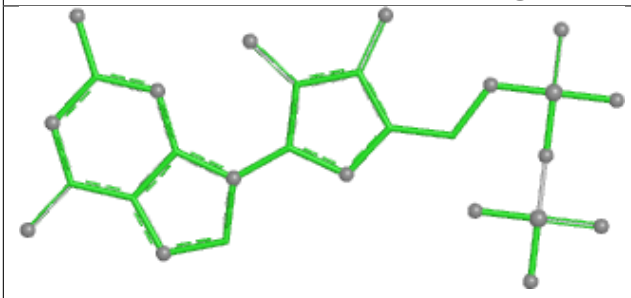


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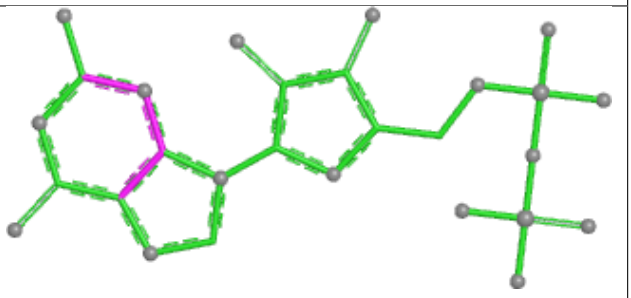


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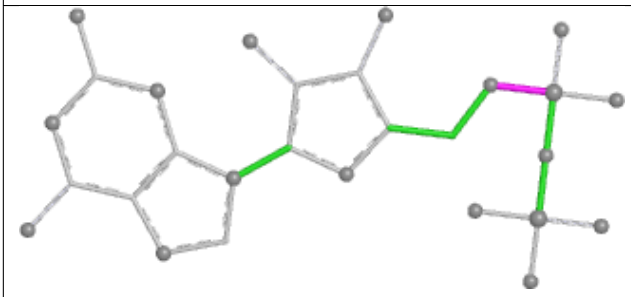
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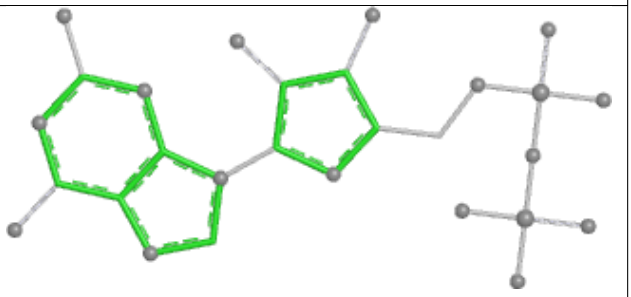
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Bond angles

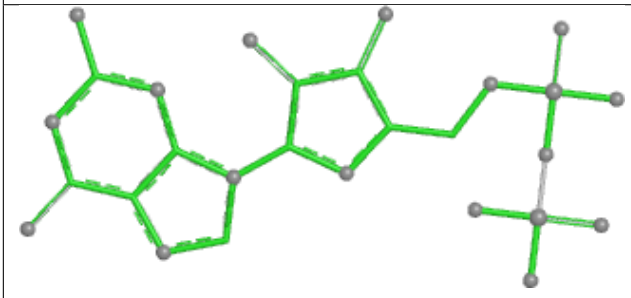


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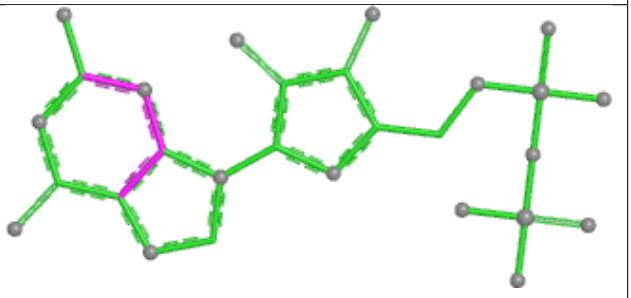


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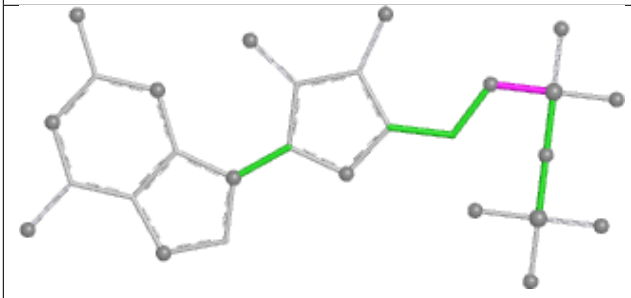
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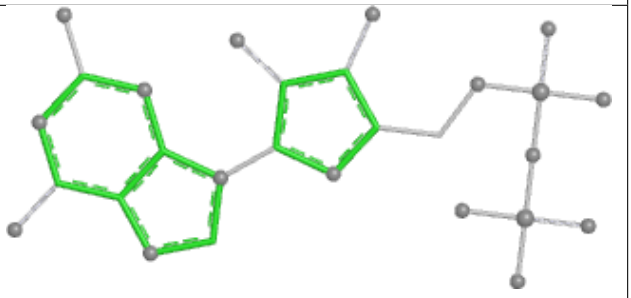
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Bond angles

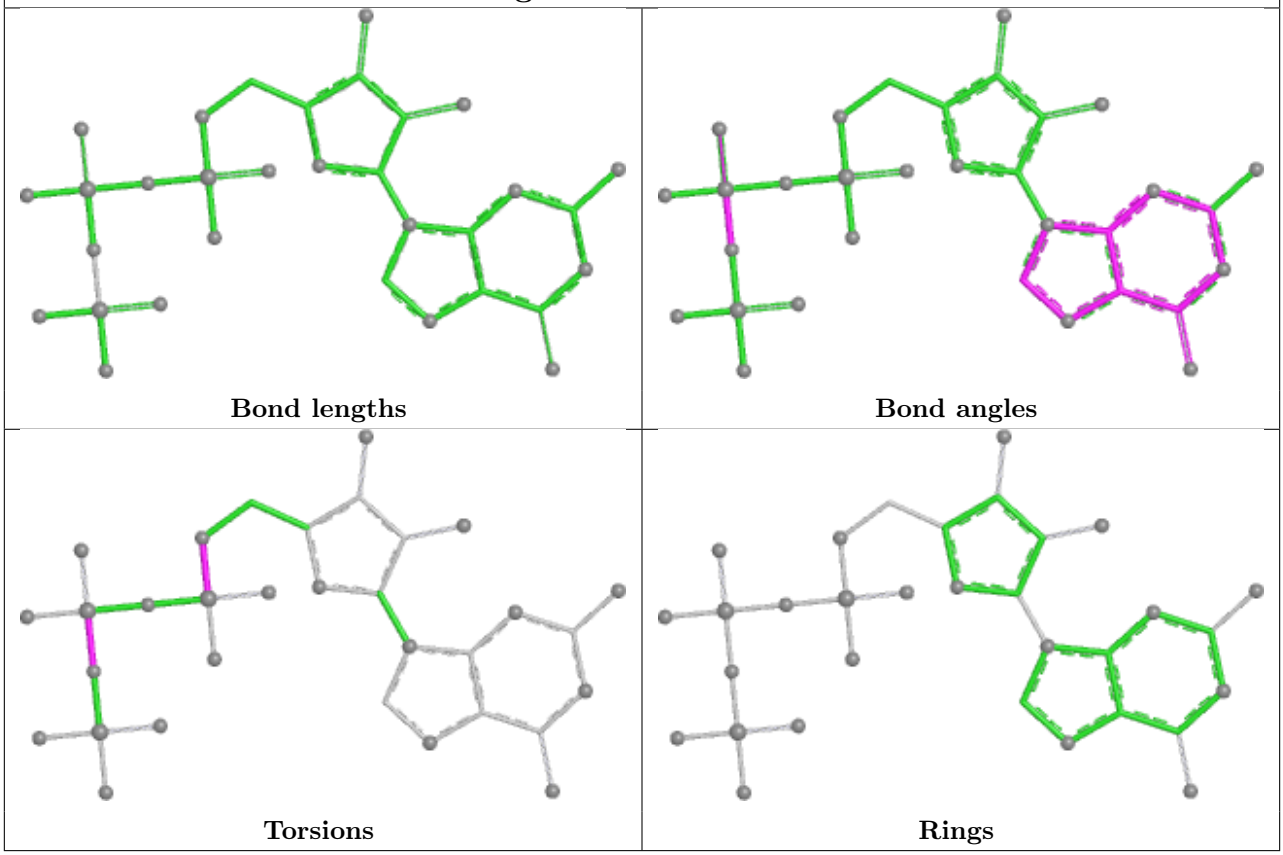


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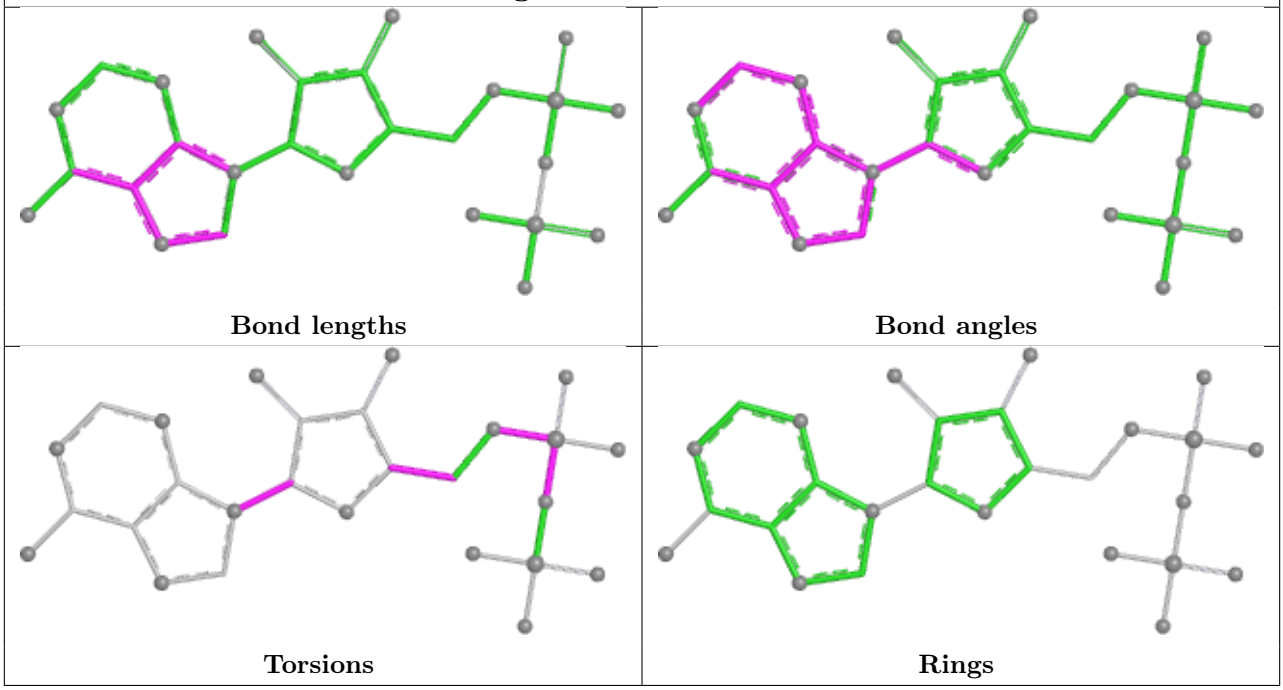


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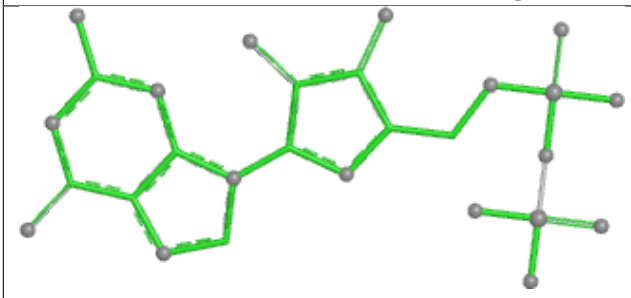
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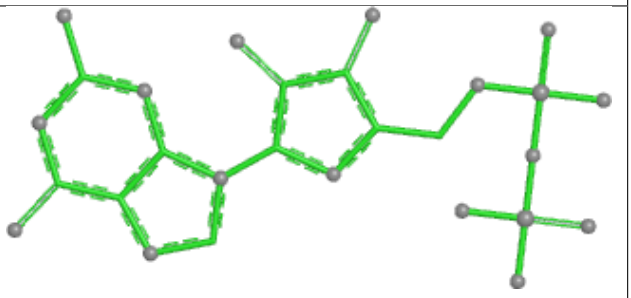
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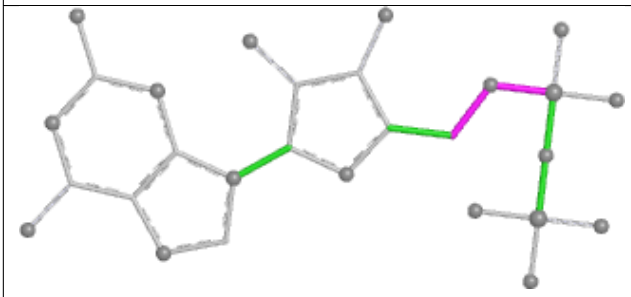
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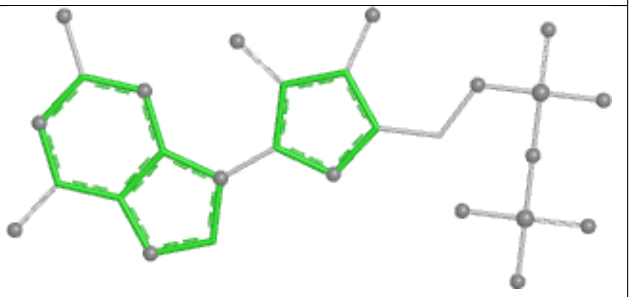
Bond lengths



Bond angles

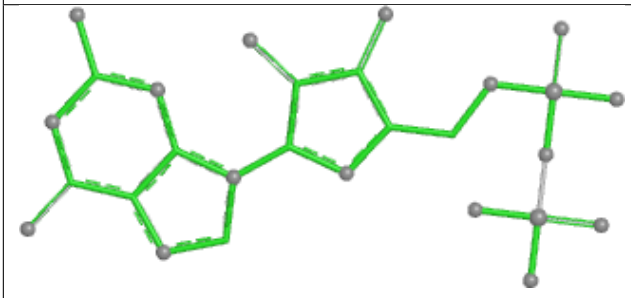


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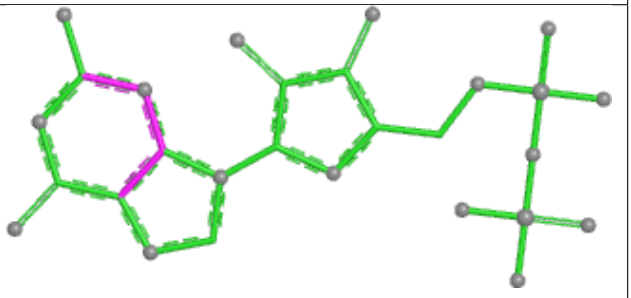


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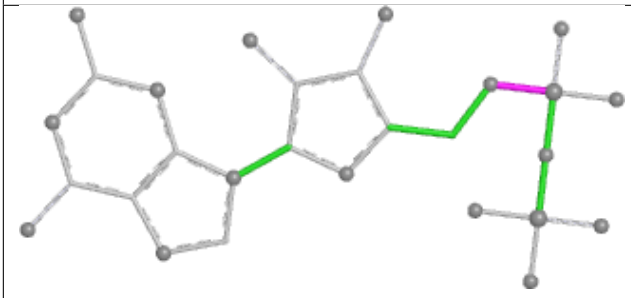
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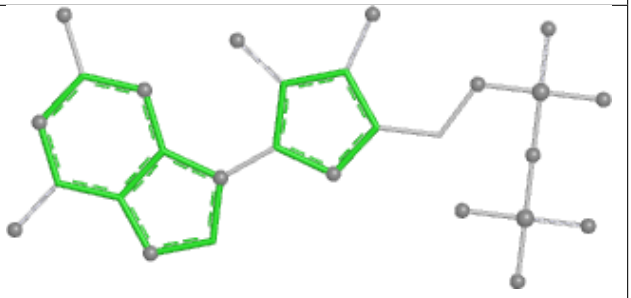
Bond lengths



Bond angles

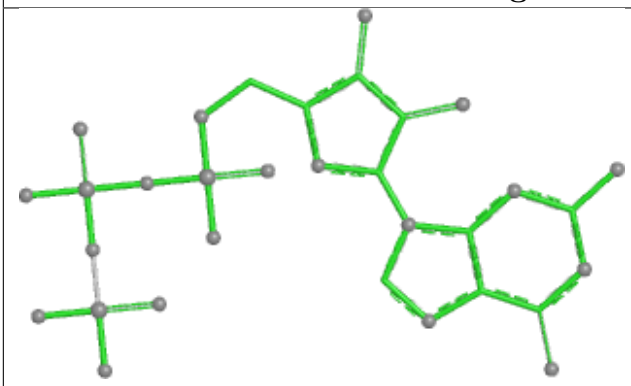


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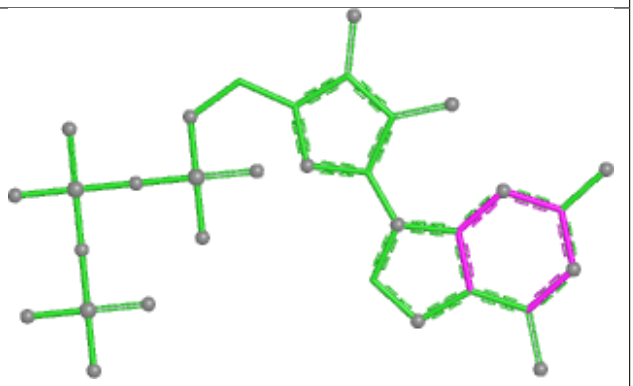


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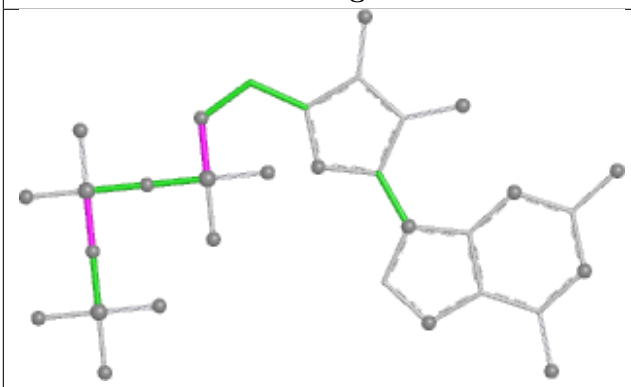
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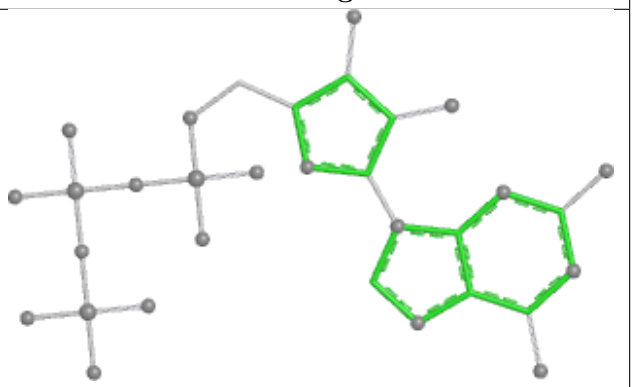
Bond lengths



Bond angles

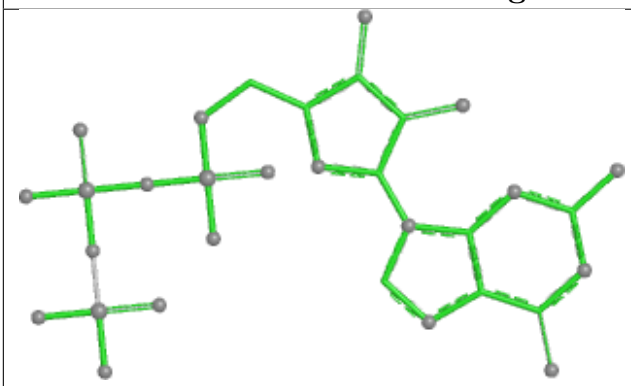


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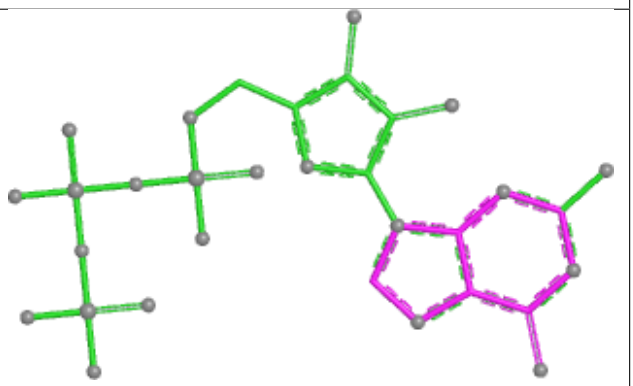


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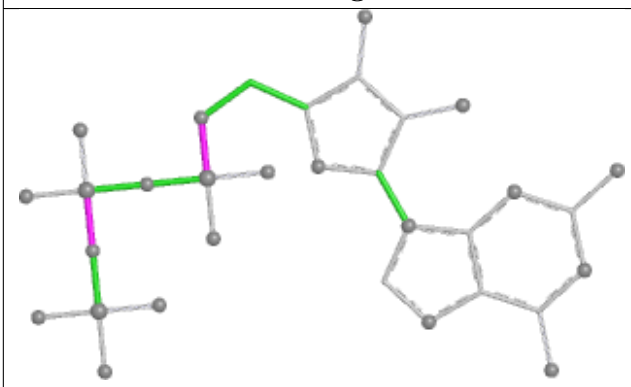
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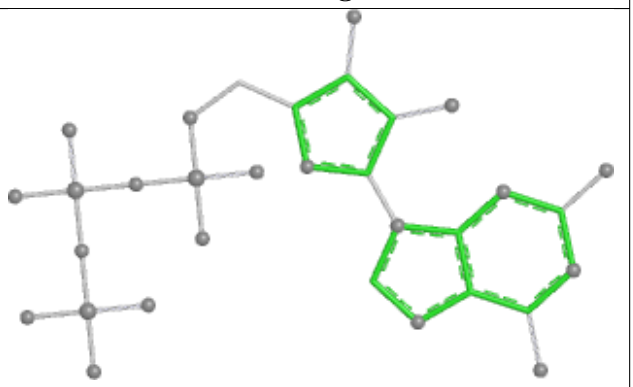
Bond lengths



Bond angles

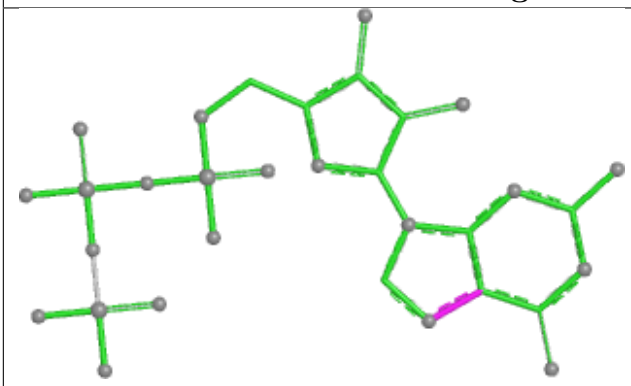


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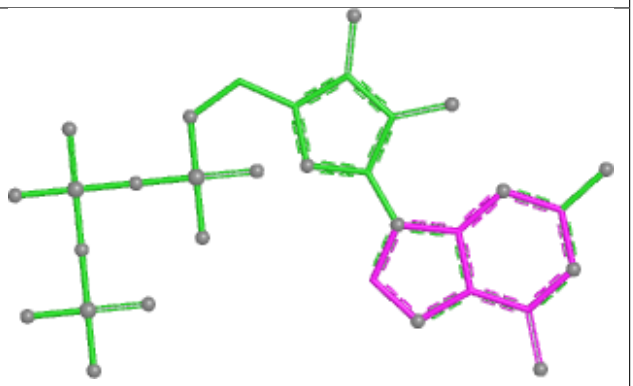


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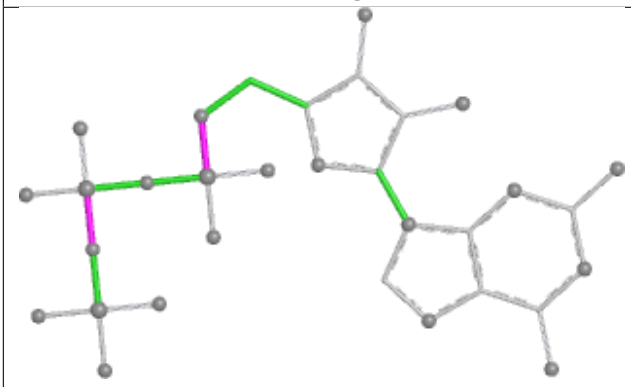
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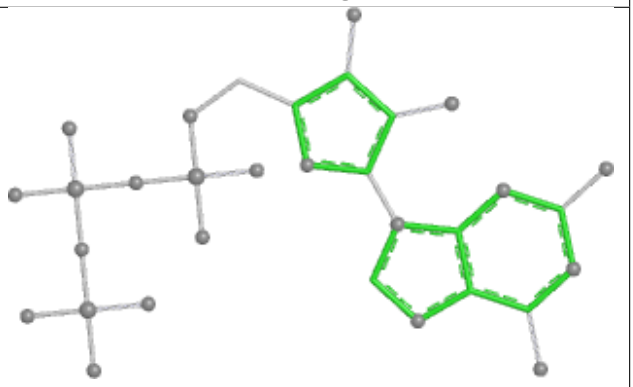
Bond lengths



Bond angles

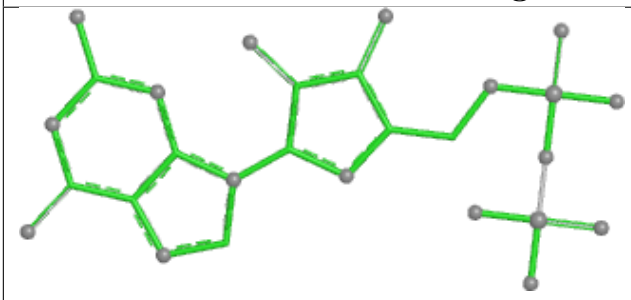


Torsions

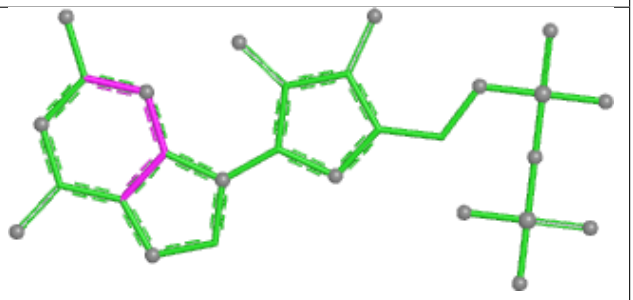


Rings

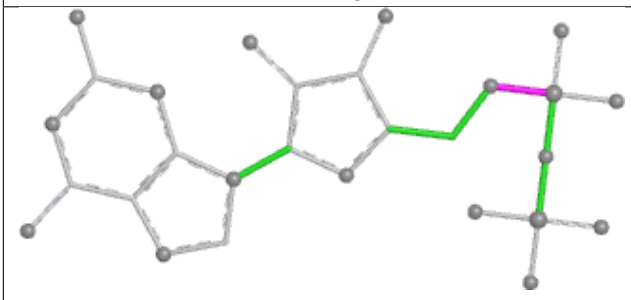
Ligand GDP PF 501



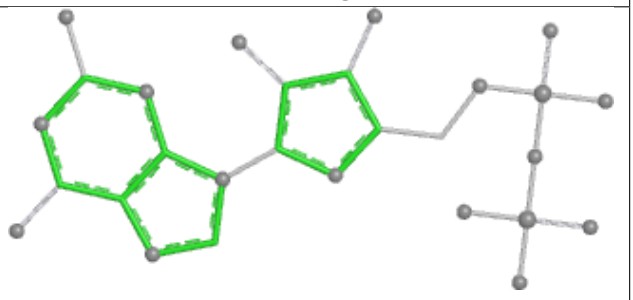
Bond lengths



Bond angles

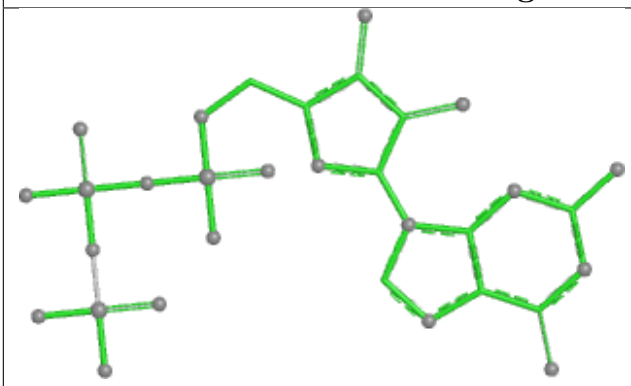


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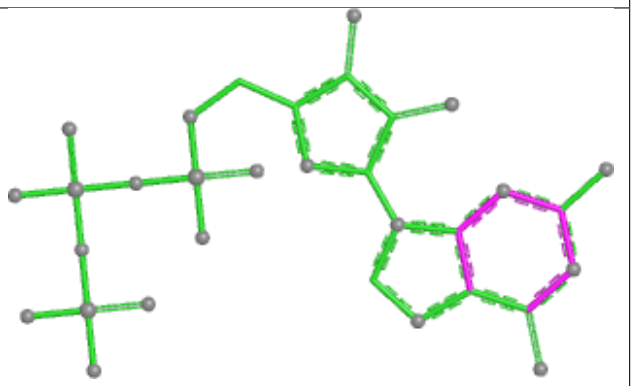


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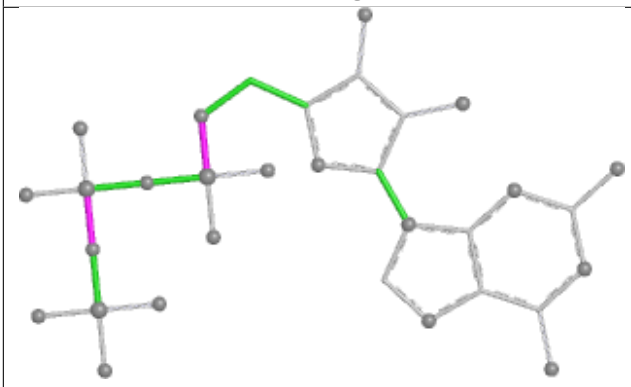
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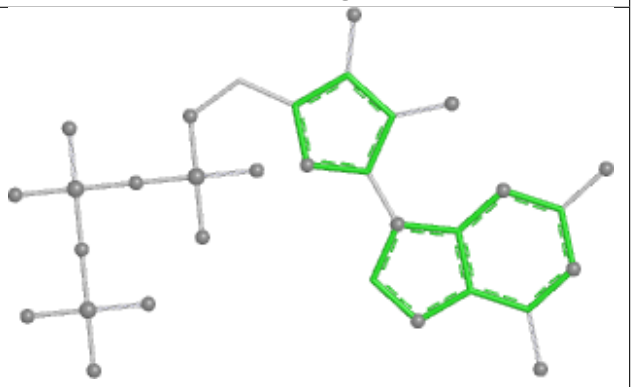
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Bond angles

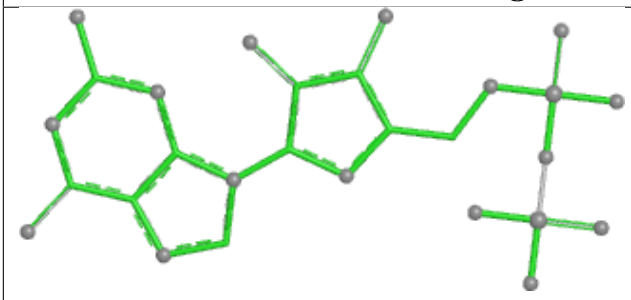


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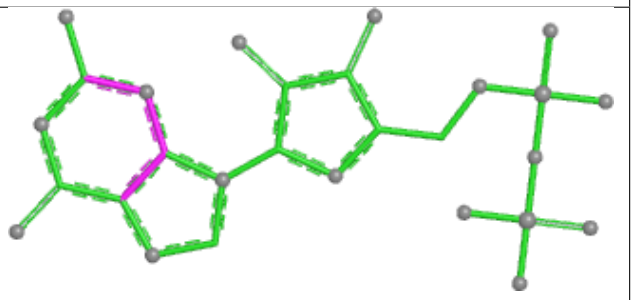


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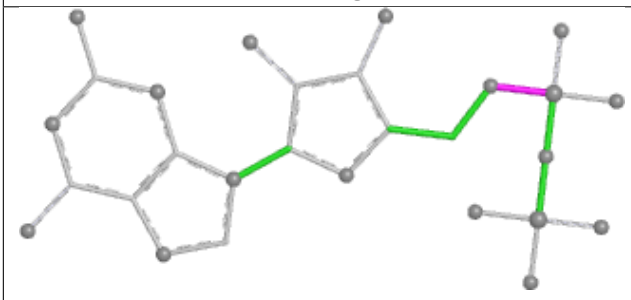
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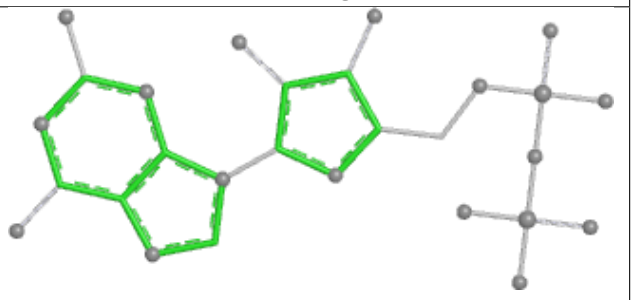
Bond lengths



Bond angles

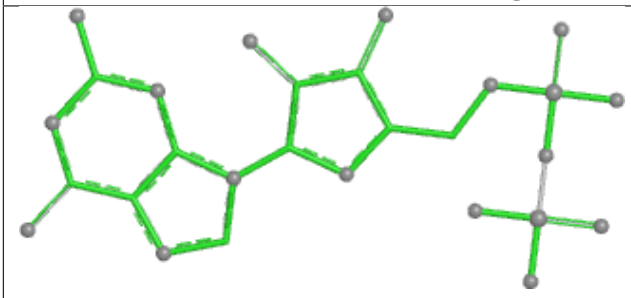


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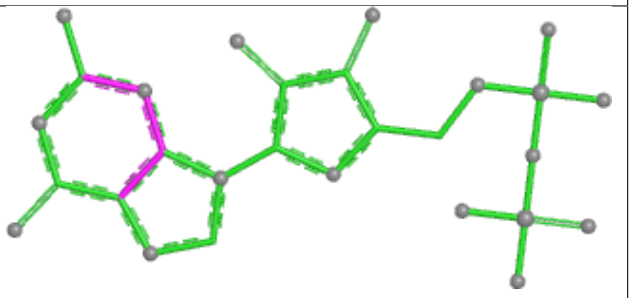


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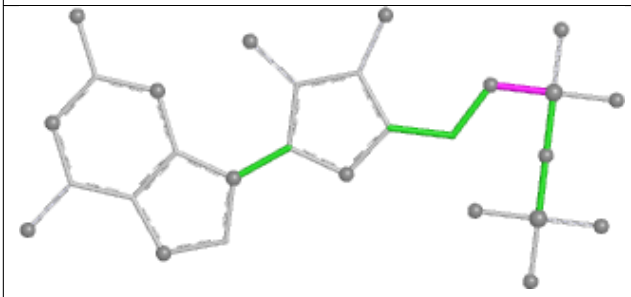
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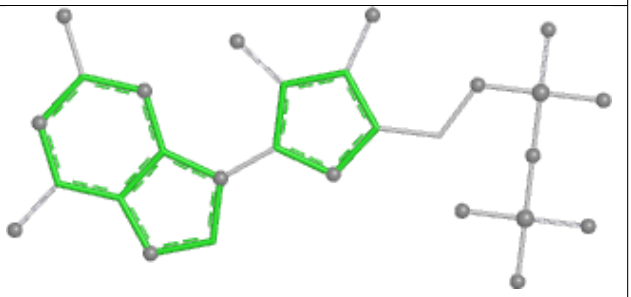
Bond lengths



Bond angles

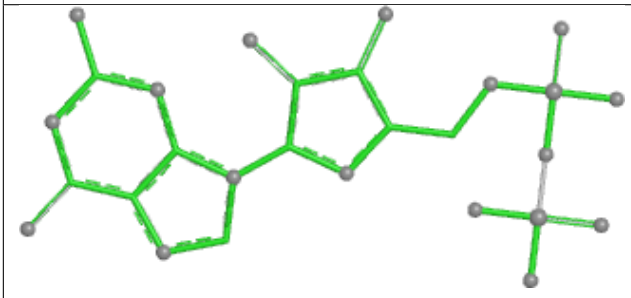


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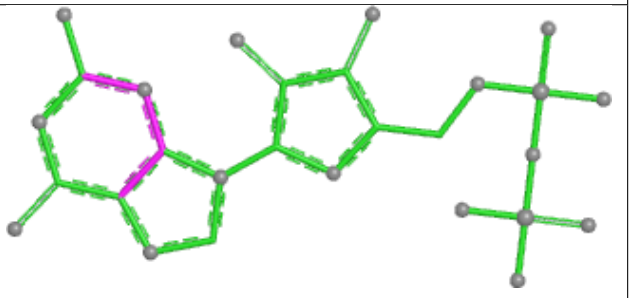


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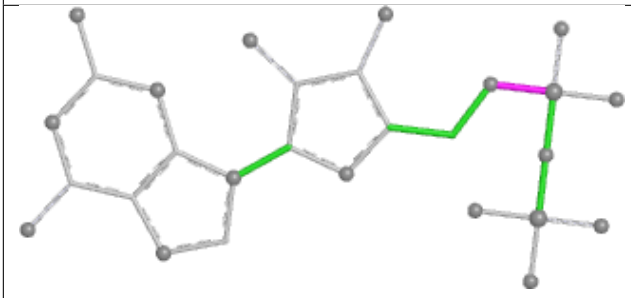
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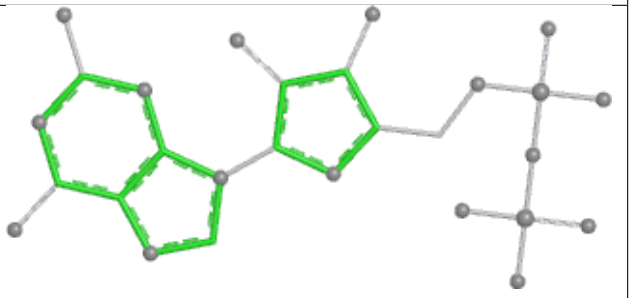
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Bond angles

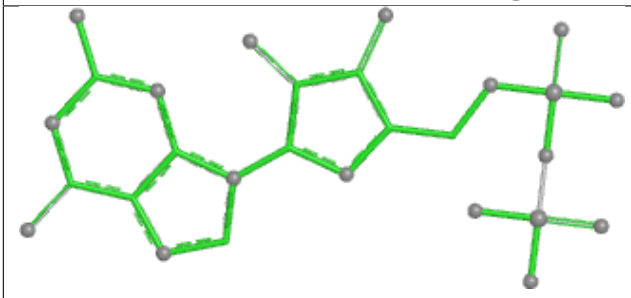


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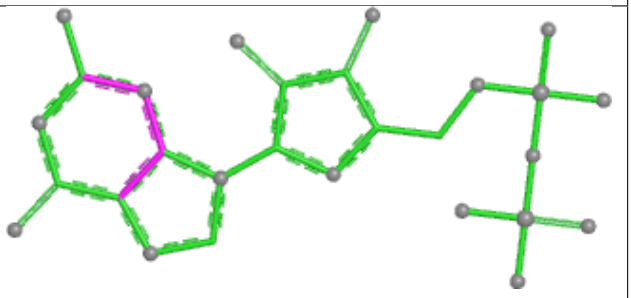


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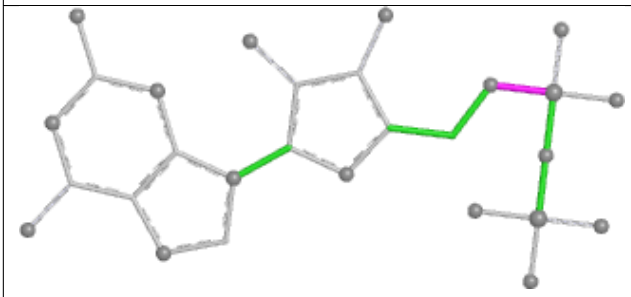
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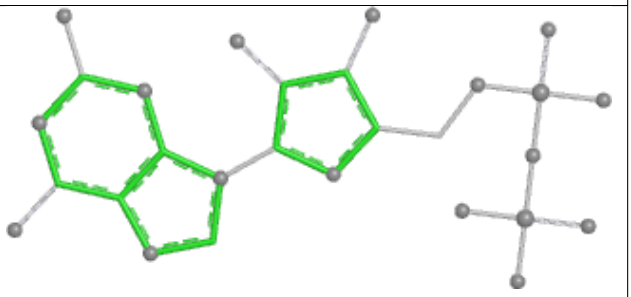
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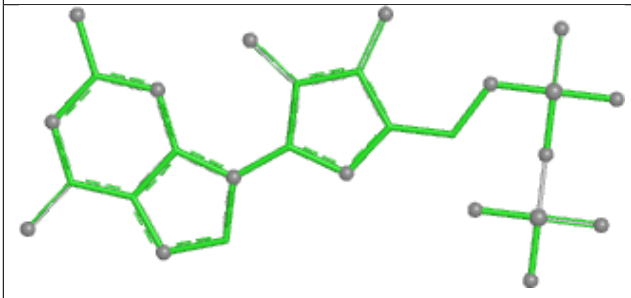


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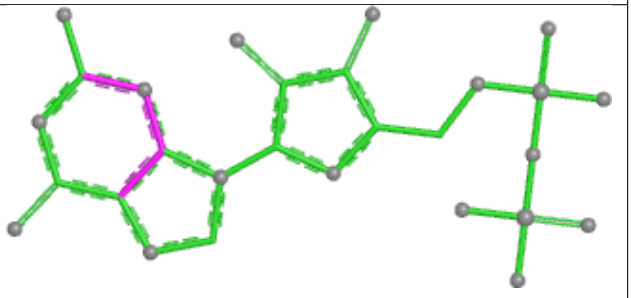


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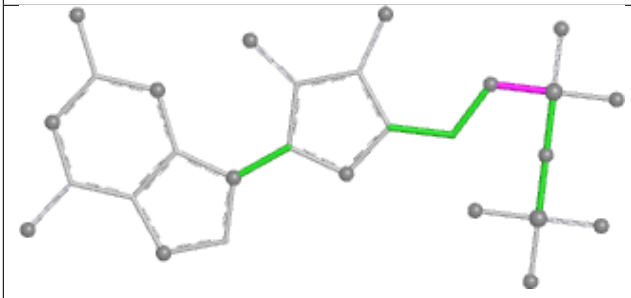
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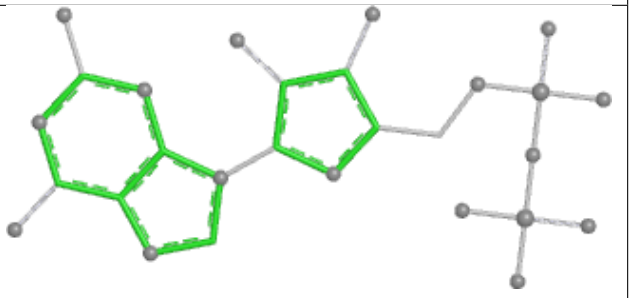
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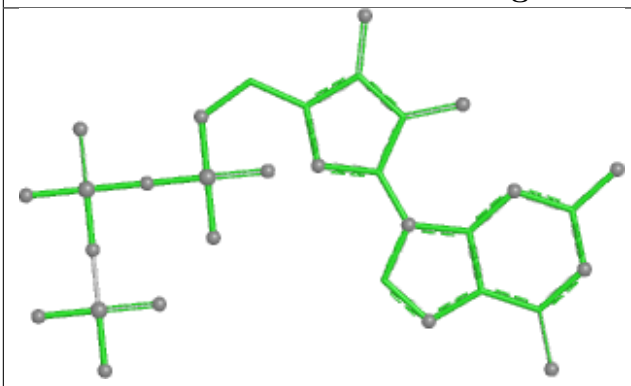


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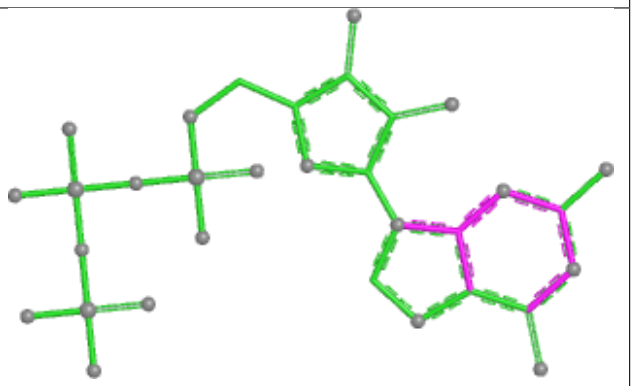


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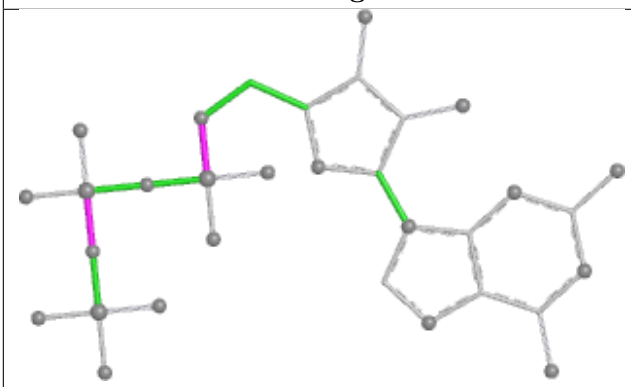
Ligand GTP CF 501



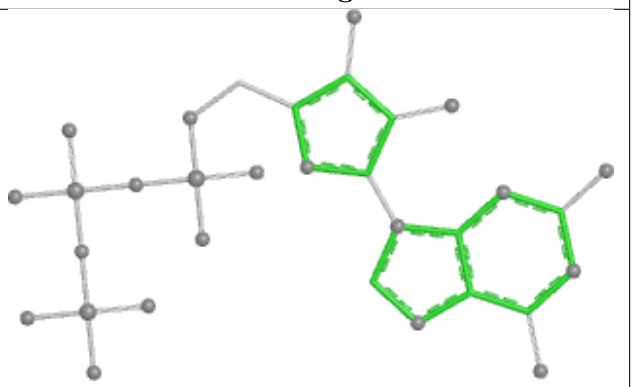
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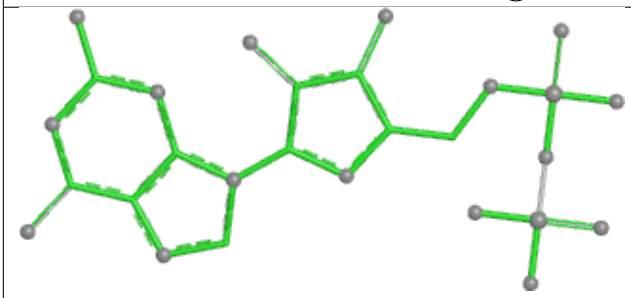


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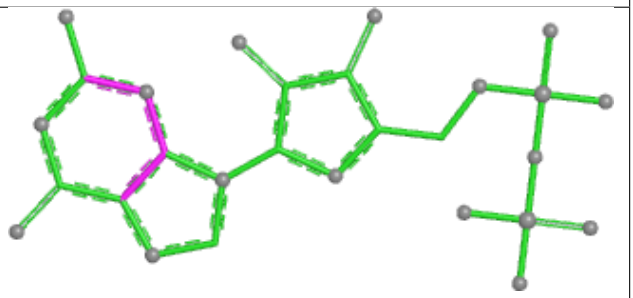


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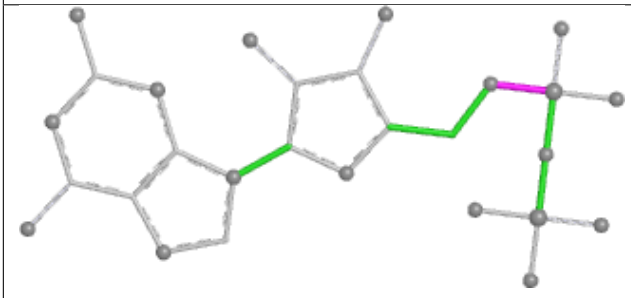
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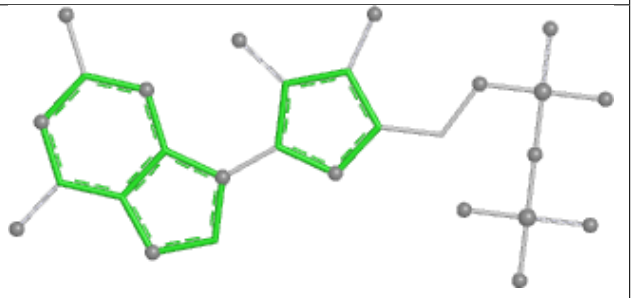
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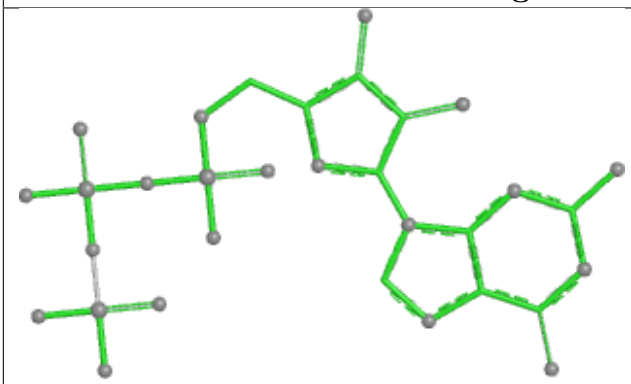


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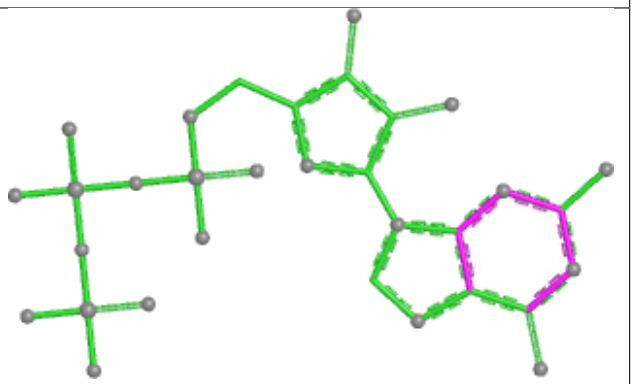


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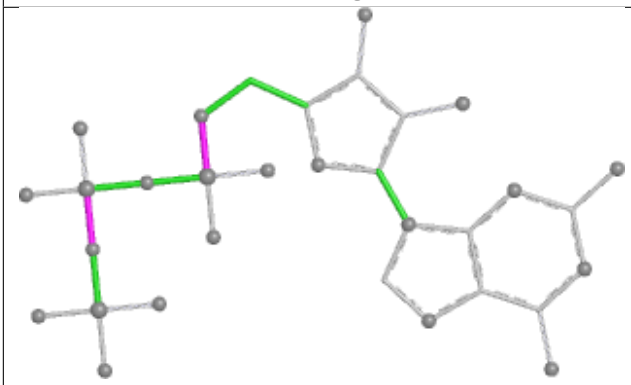
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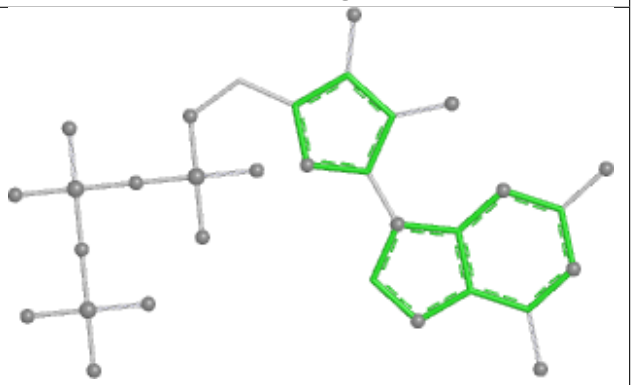
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Bond angles

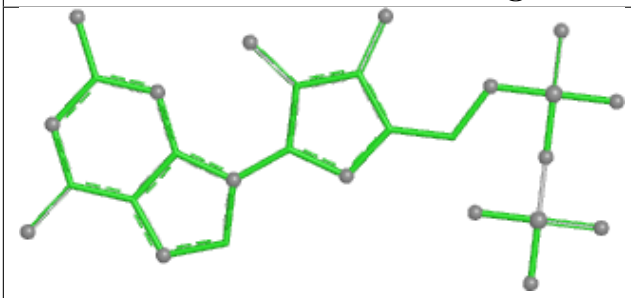


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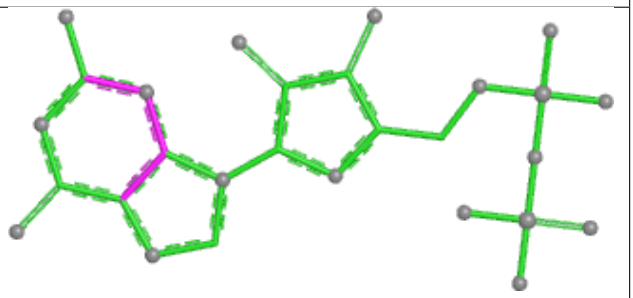


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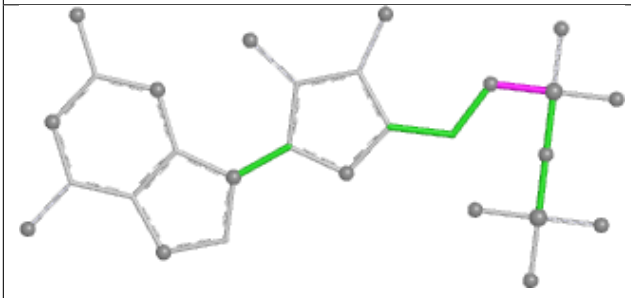
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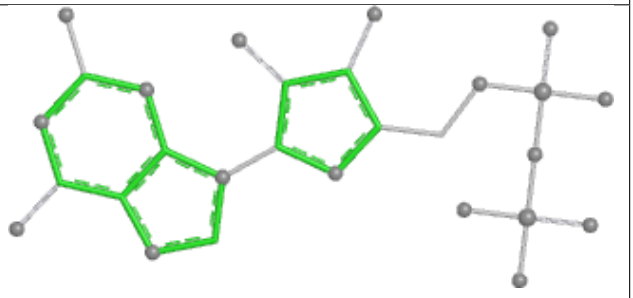
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Bond angles

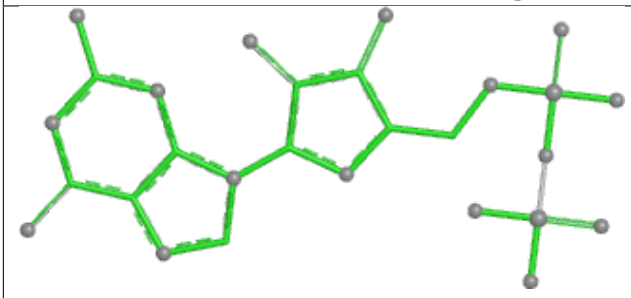


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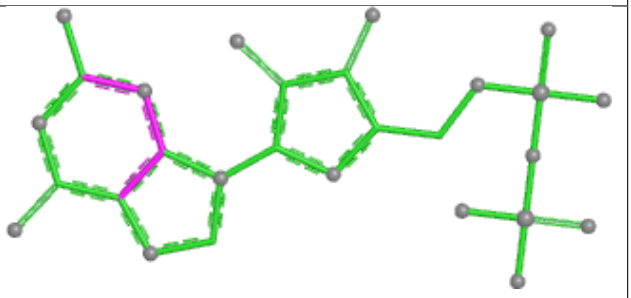


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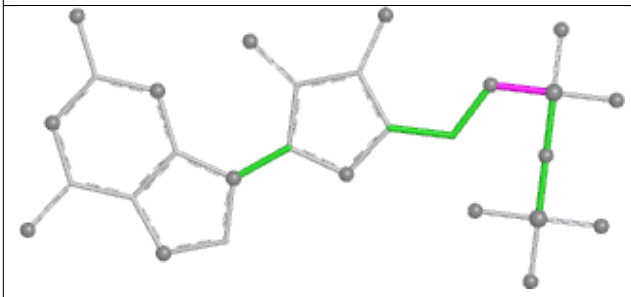
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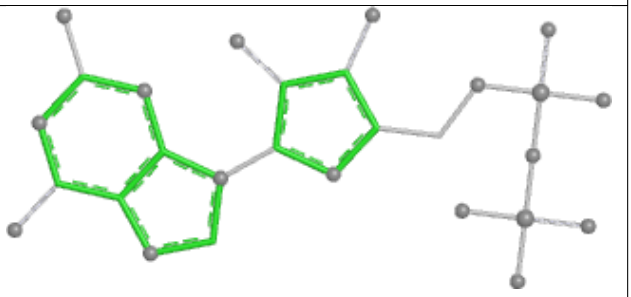
Bond lengths



Bond angles

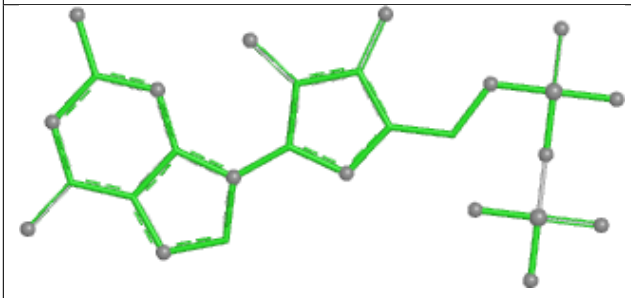


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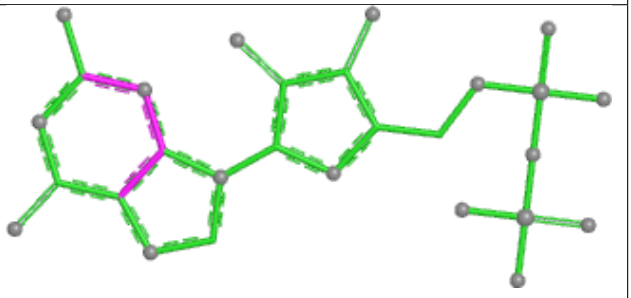


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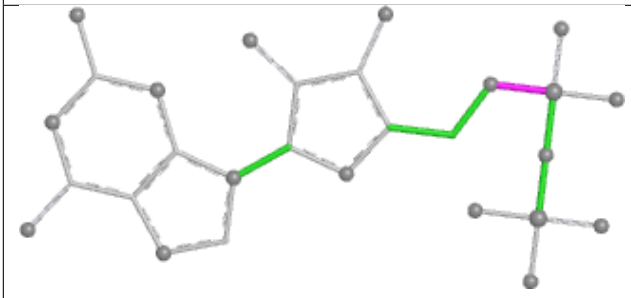
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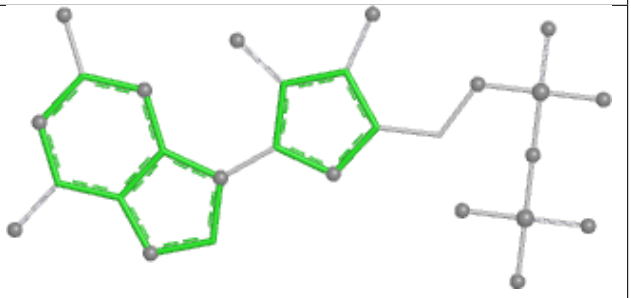
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Bond angles

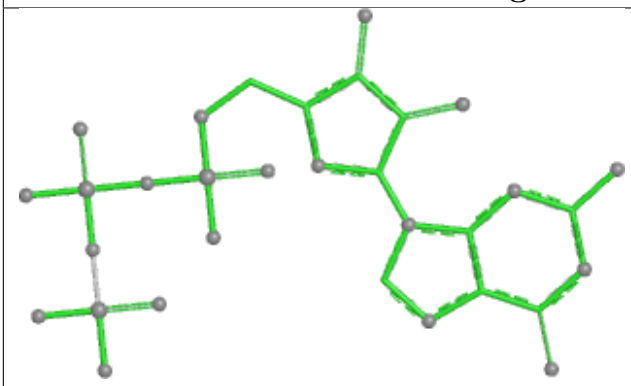


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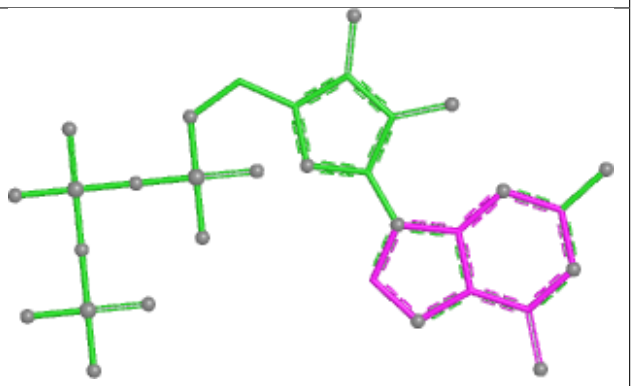


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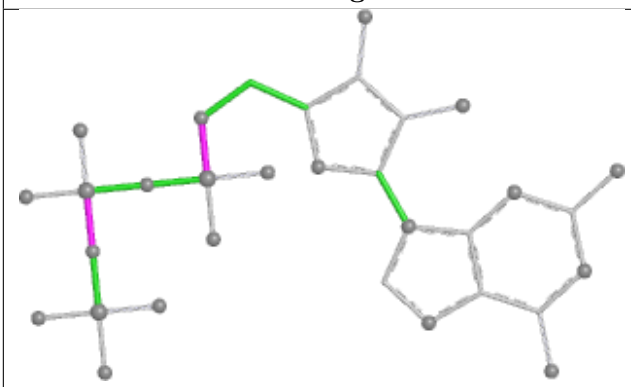
Ligand GTP BR 501



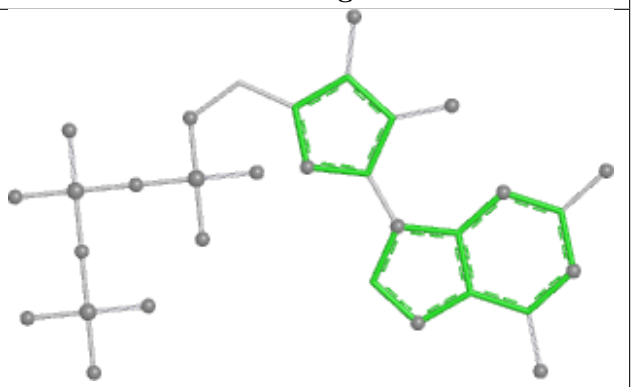
Bond lengths



Bond angles

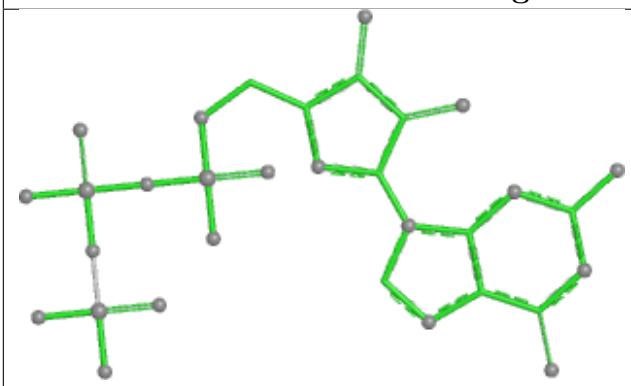


Torsions

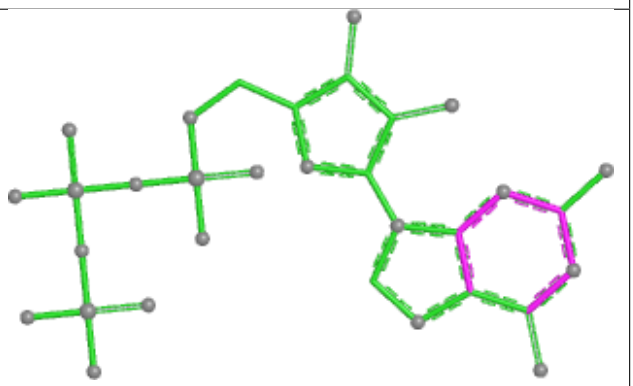


Rings

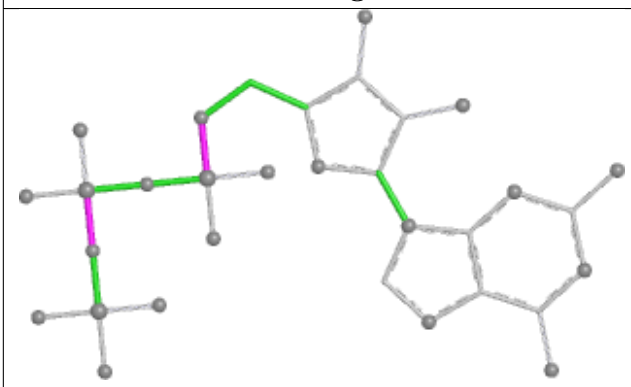
Ligand GTP FC 501



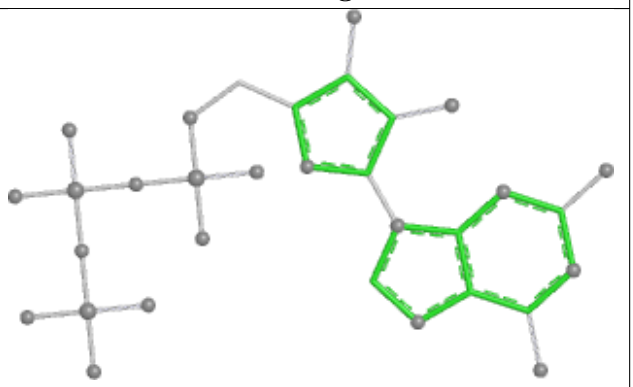
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Bond angles

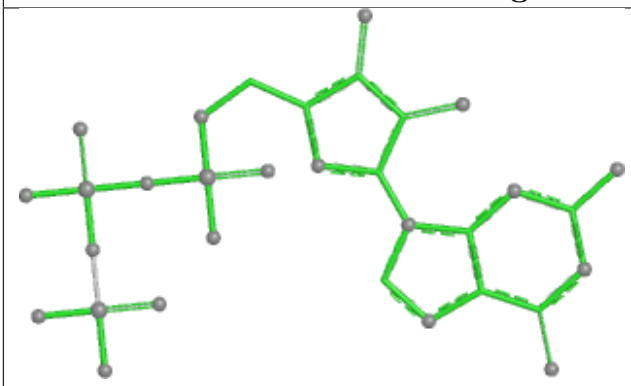


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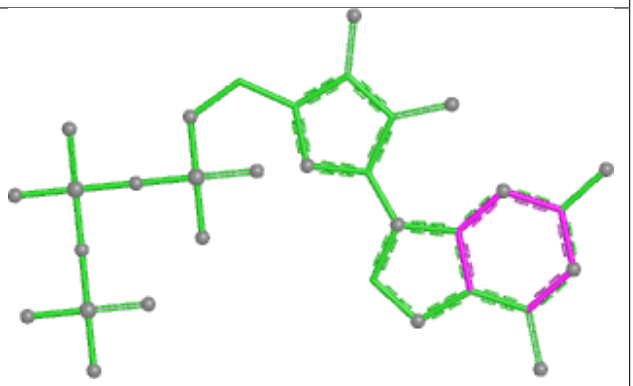


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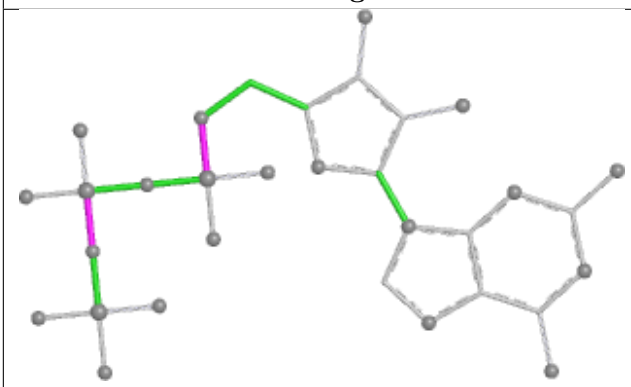
Ligand GTP UF 501



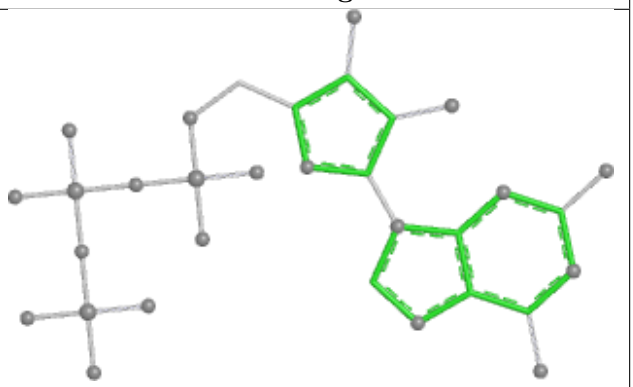
Bond lengths



Bond angles

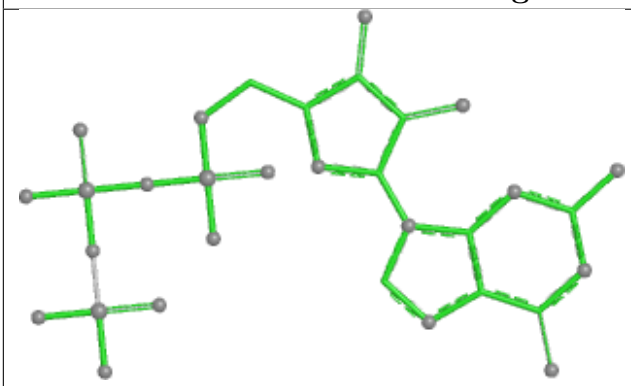


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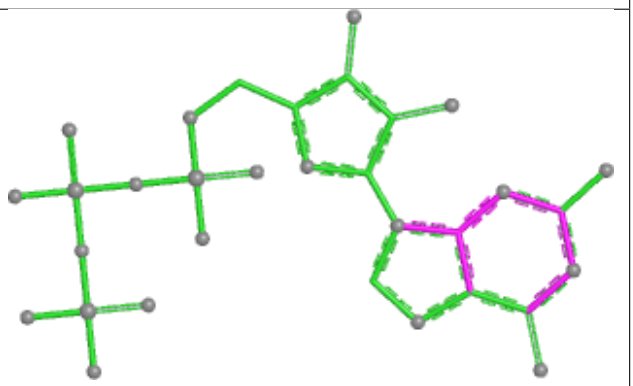


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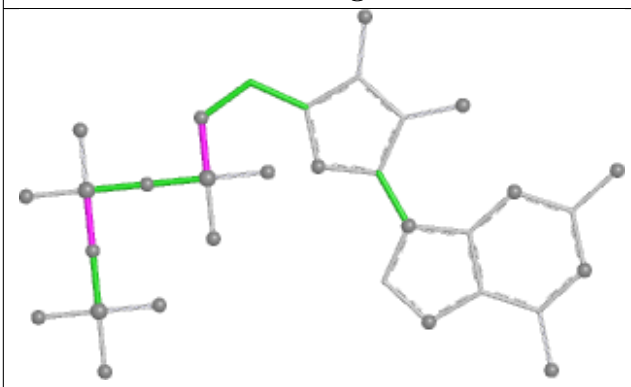
Ligand GTP GS 602



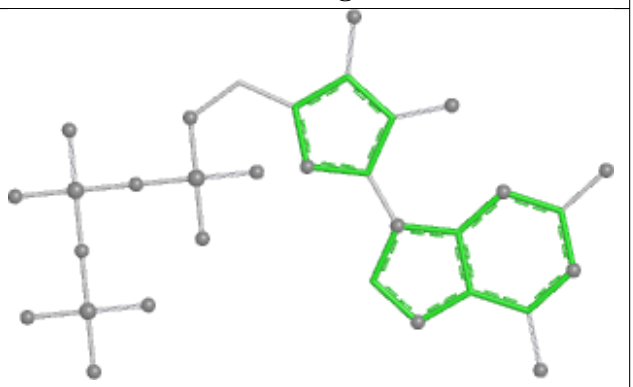
Bond lengths



Bond angles

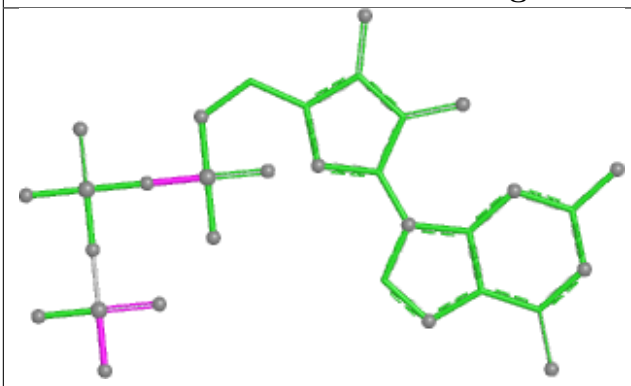


Torsions

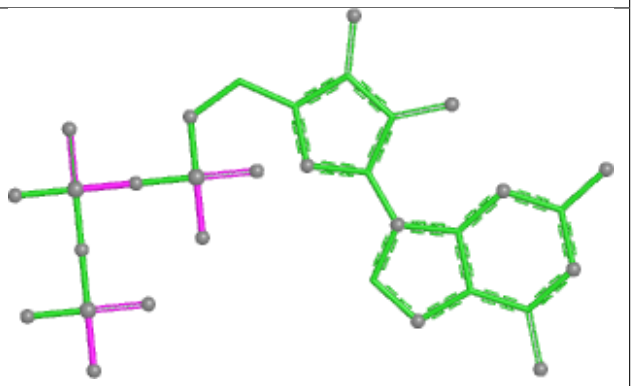


Rings

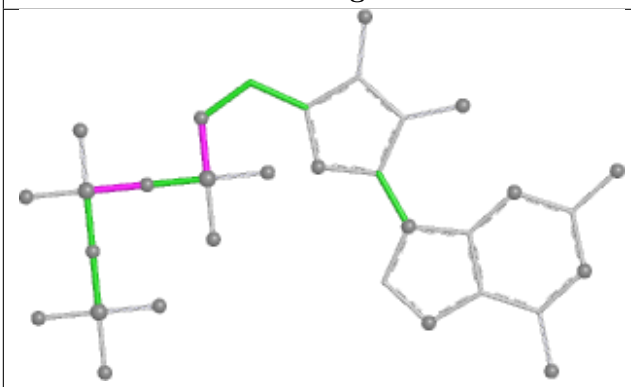
Ligand GTP TX 602



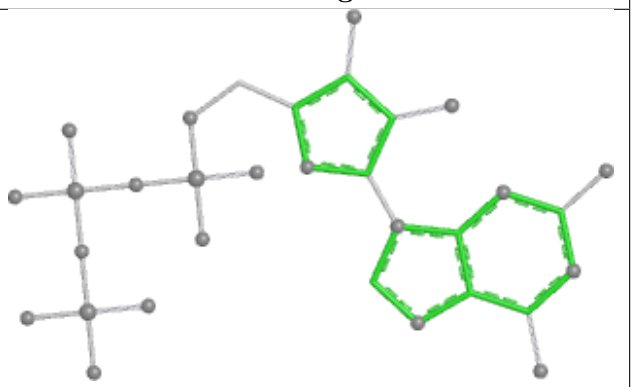
Bond lengths



Bond angles

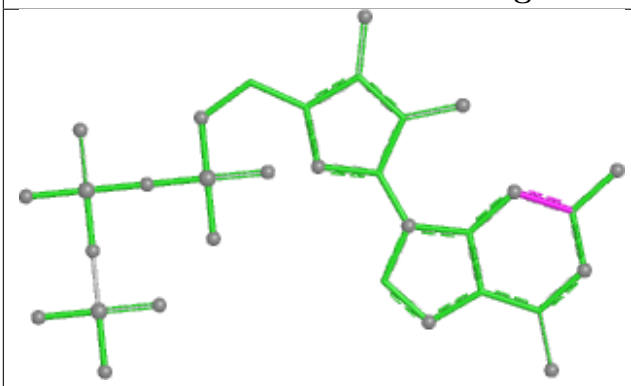


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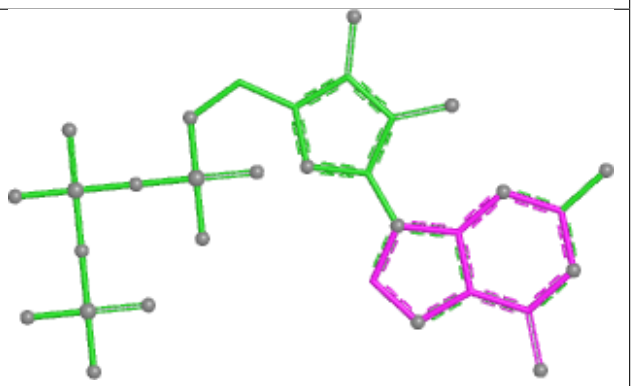


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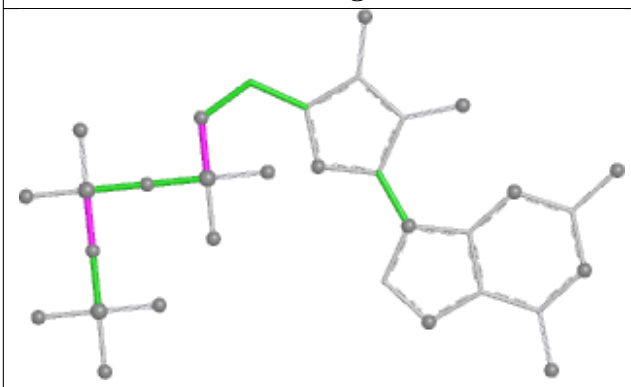
Ligand GTP JP 602



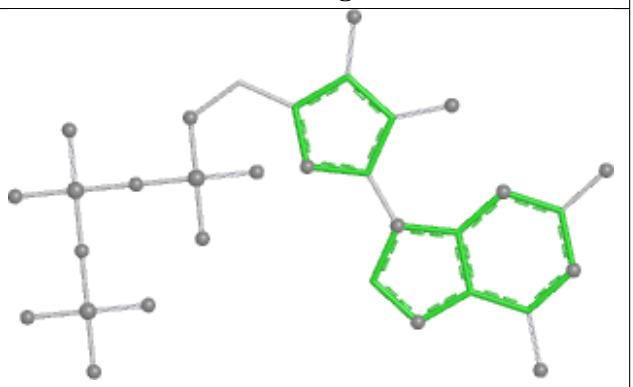
Bond lengths



Bond angles

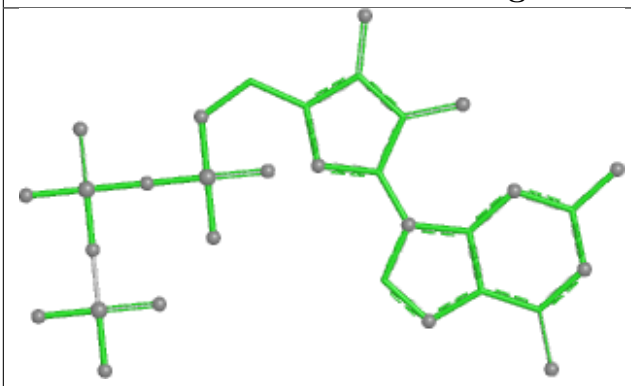


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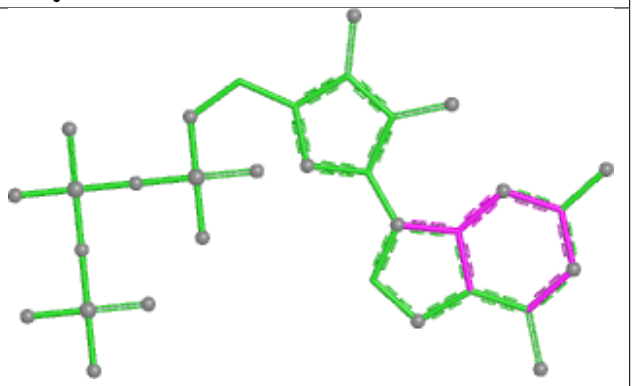


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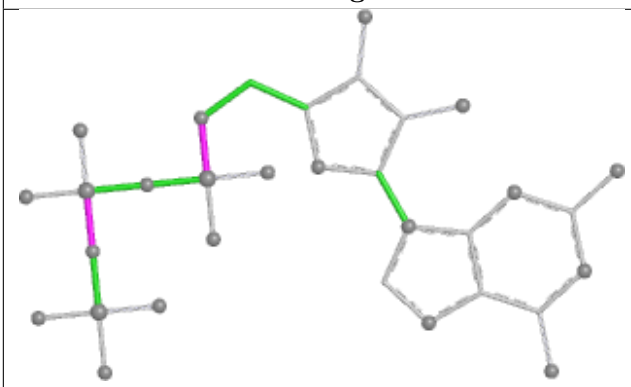
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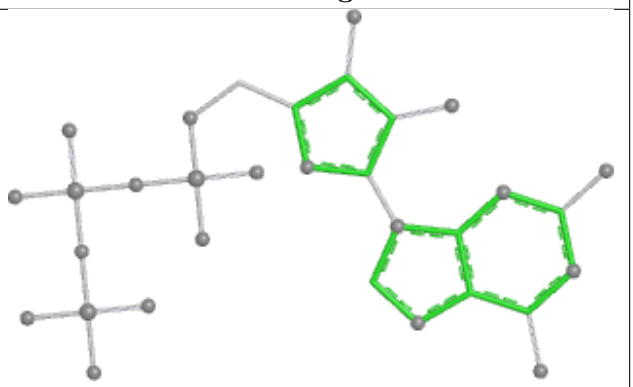
Bond lengths



Bond angles

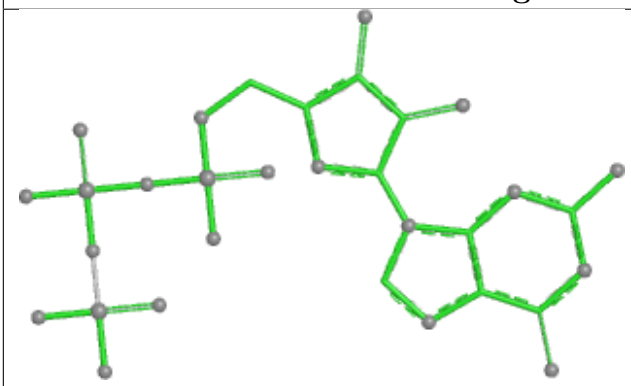


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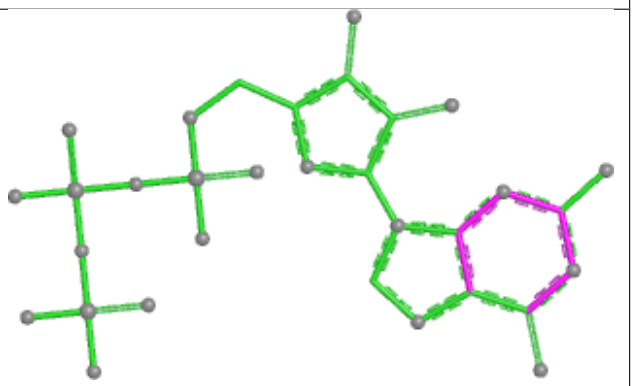


Rings

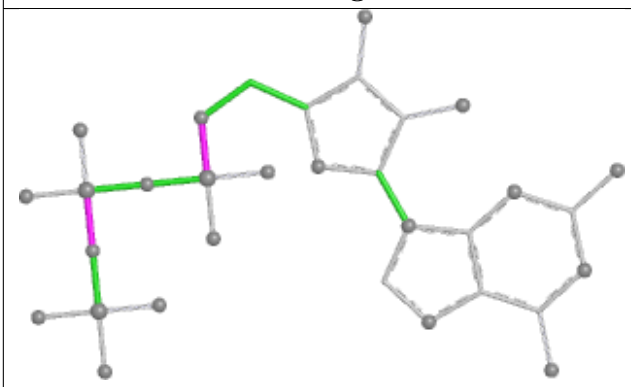
Ligand GTP OJ 602



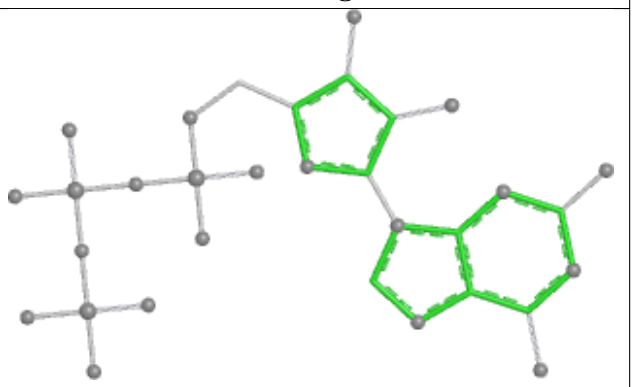
Bond lengths



Bond angles

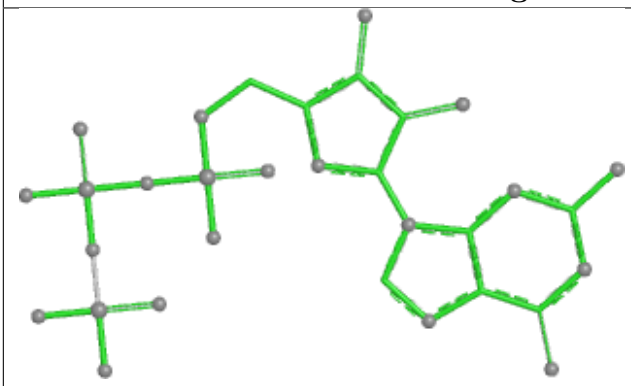


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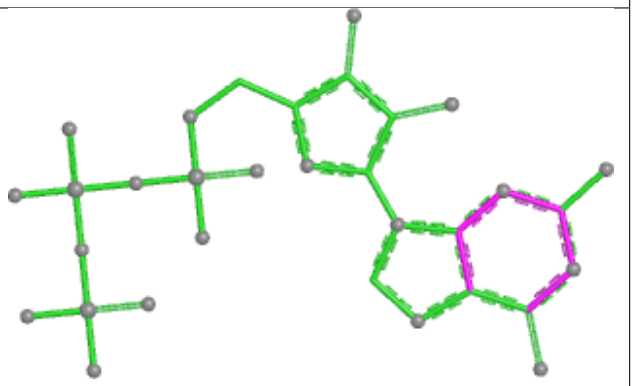


Rings

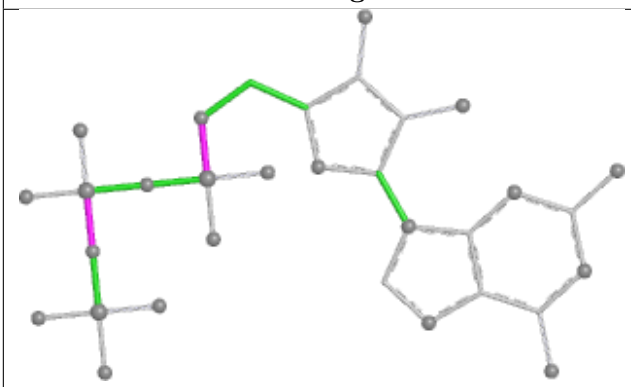
Ligand GTP RY 602



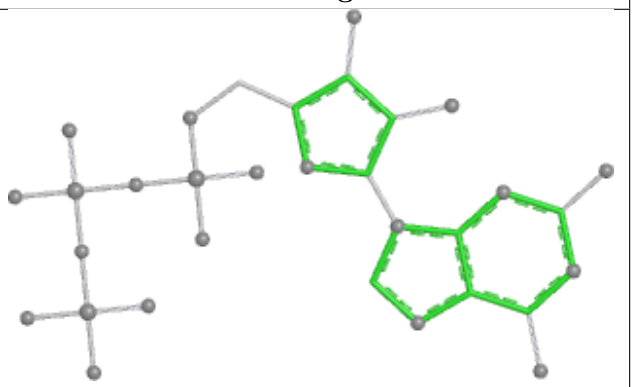
Bond lengths



Bond angles

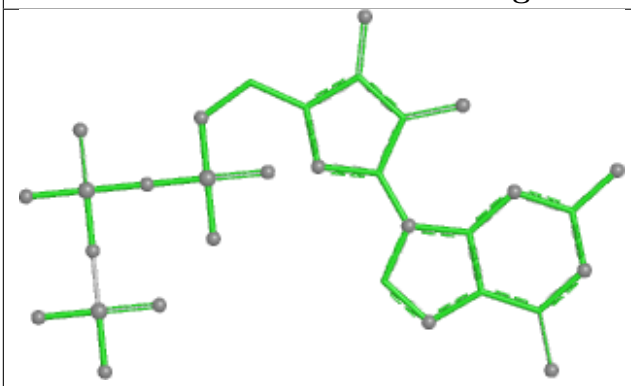


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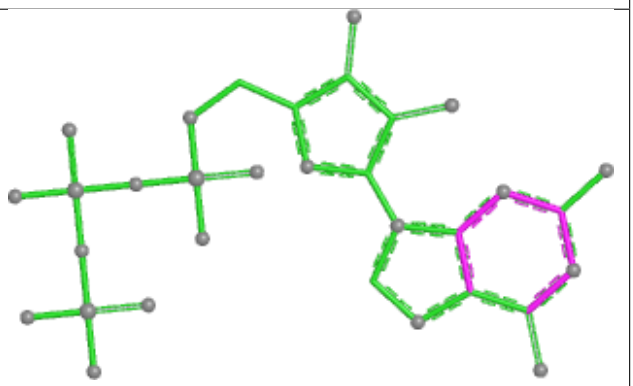


Rings

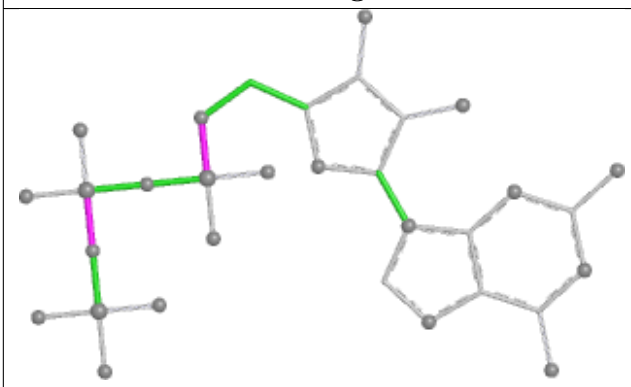
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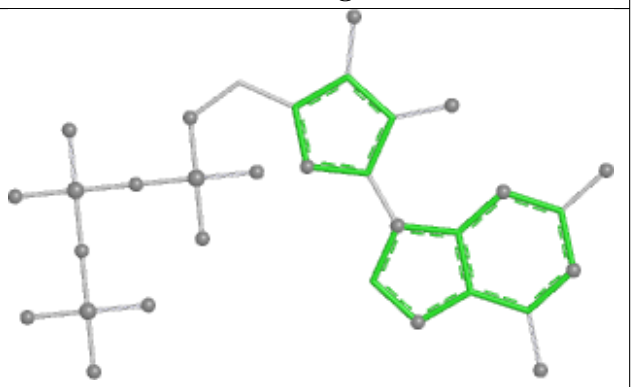
Bond lengths



Bond angles

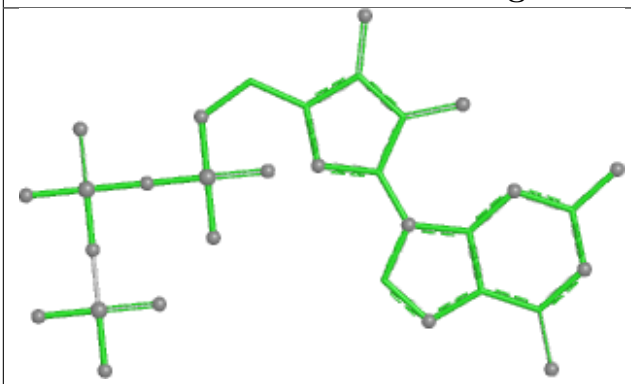


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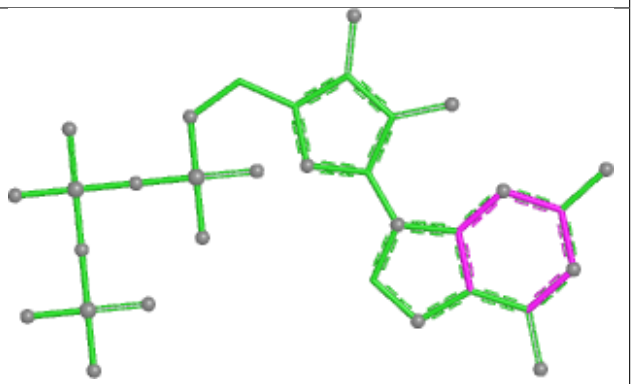


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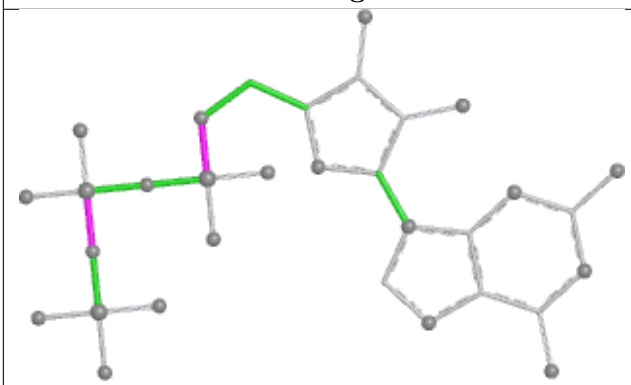
Ligand GTP YN 501



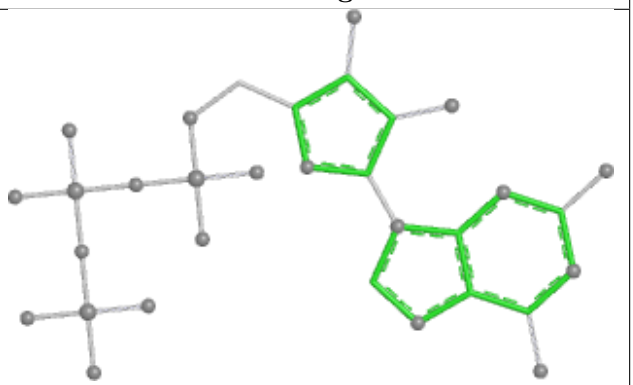
Bond lengths



Bond angles

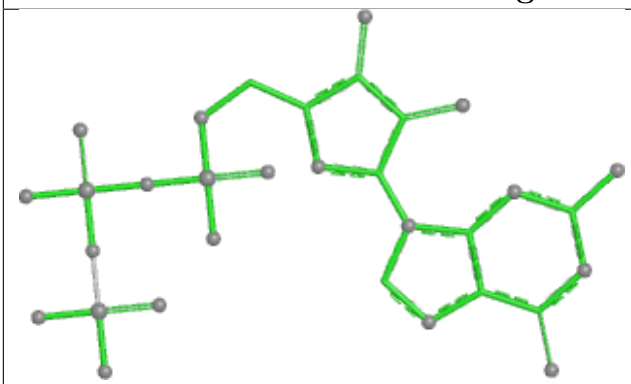


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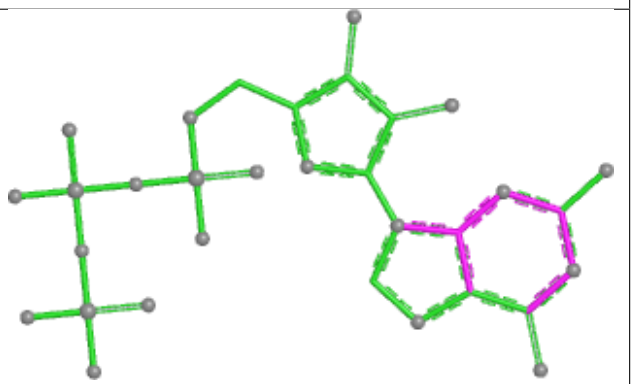


Rings

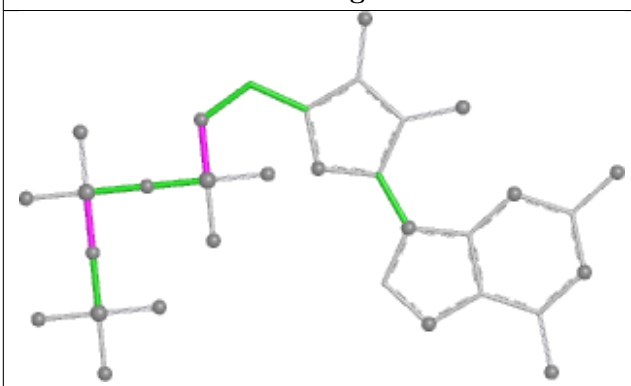
Ligand GTP Af 501



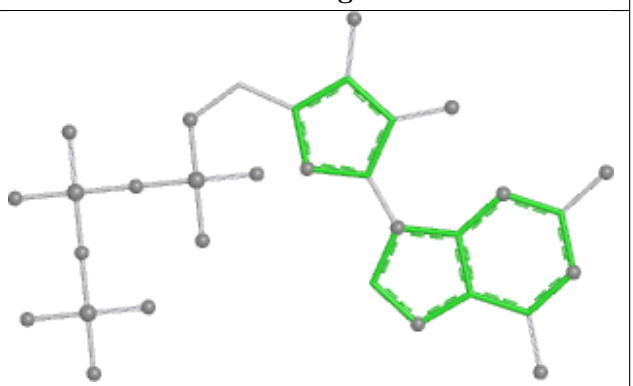
Bond lengths



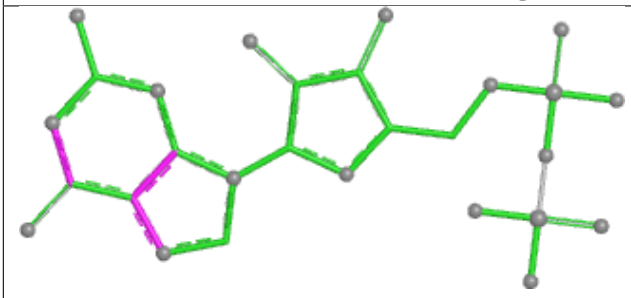
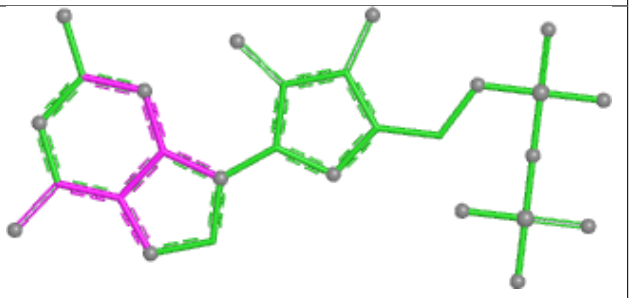
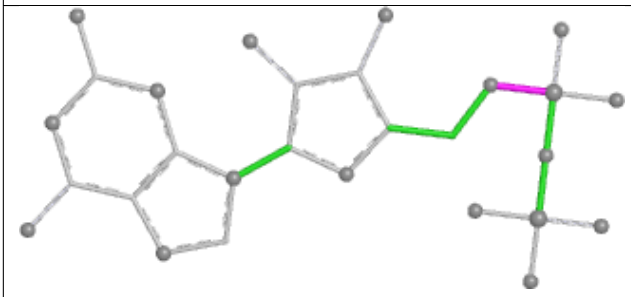
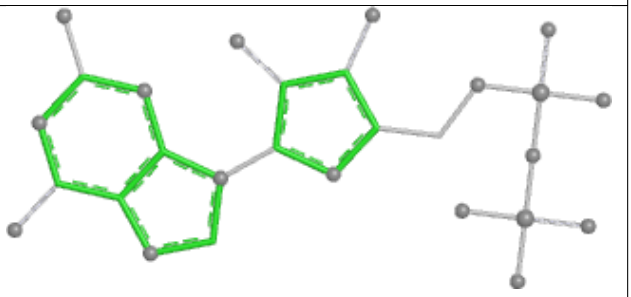
Bond angles

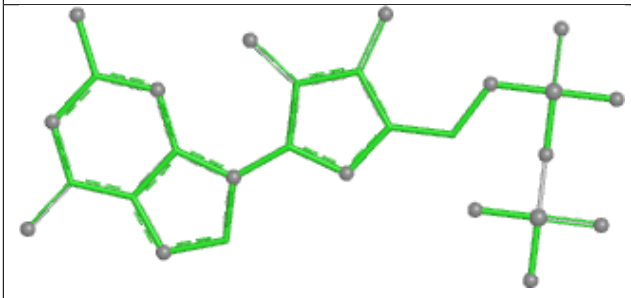
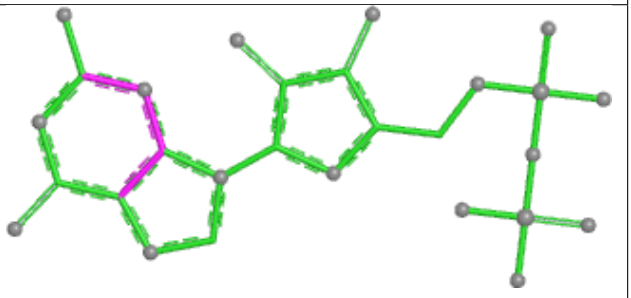
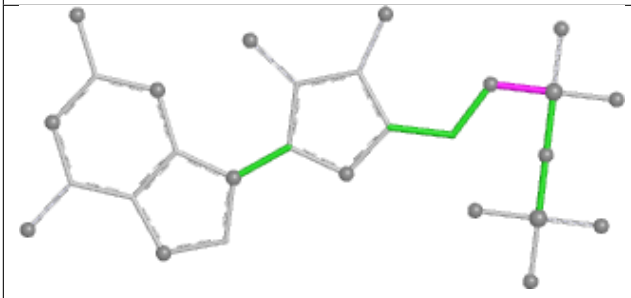
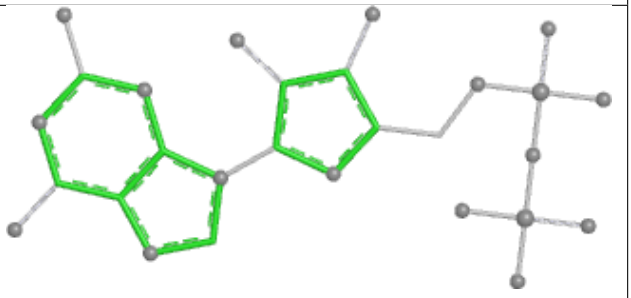


Torsions

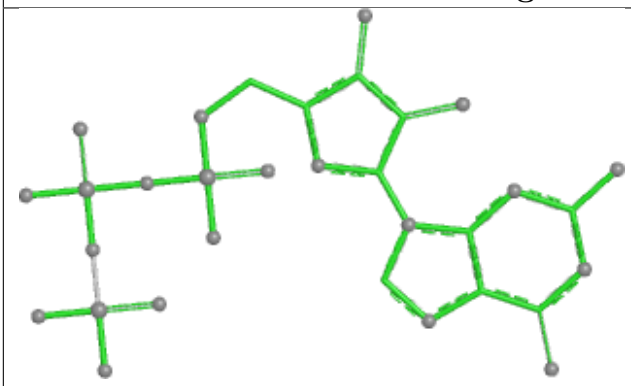


Rings

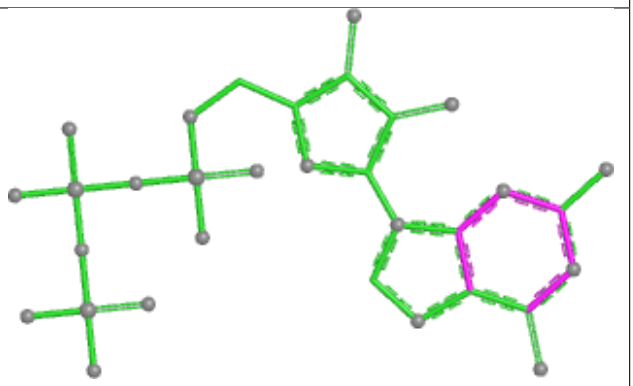
Ligand GDP IV 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP JU 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

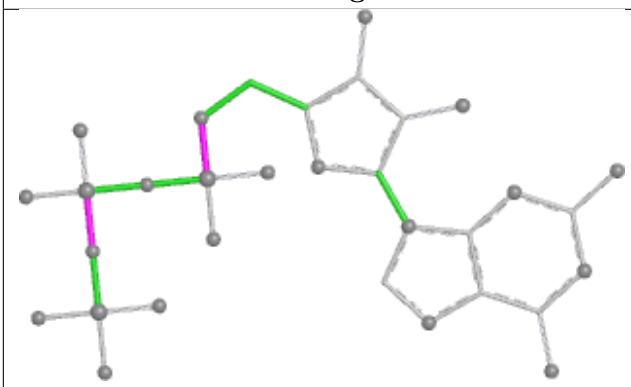
Ligand GTP Al 602



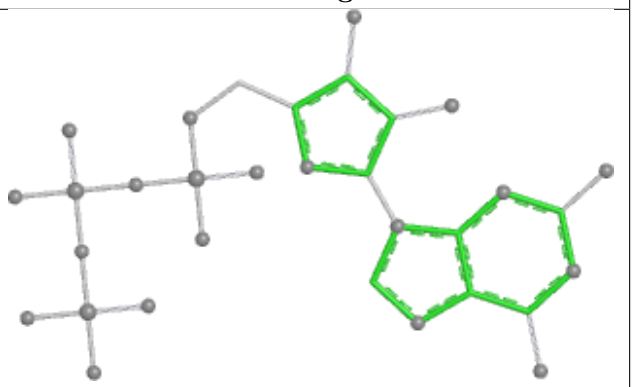
Bond lengths



Bond angles

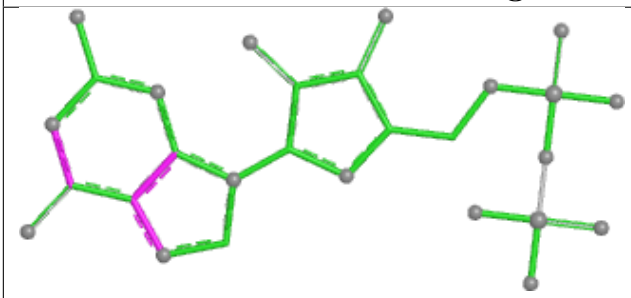


Torsions

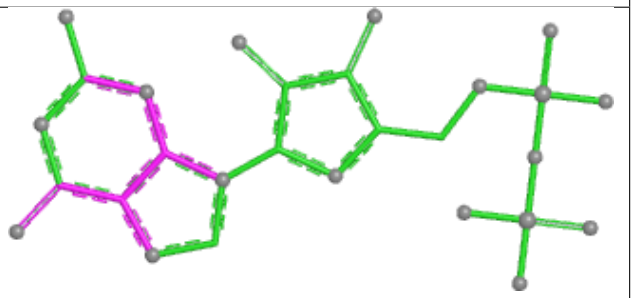


Rings

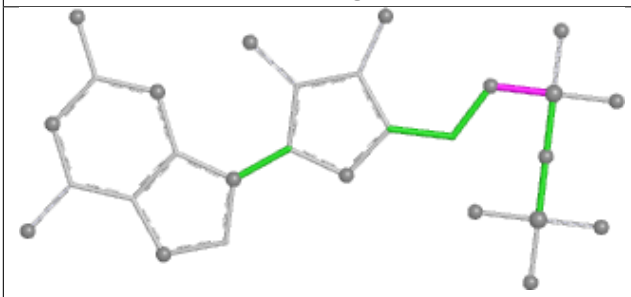
Ligand GDP DN 501



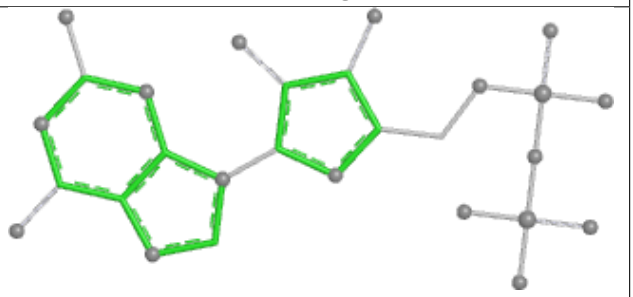
Bond lengths



Bond angles

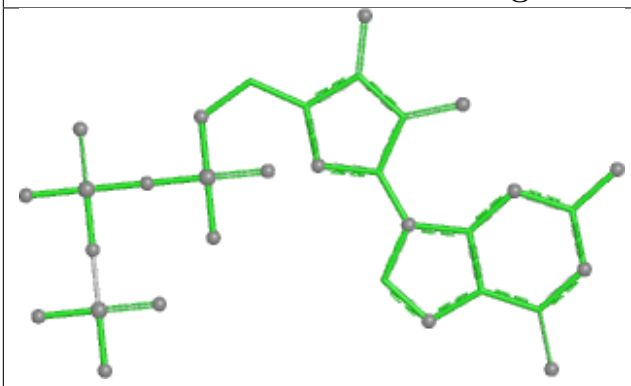


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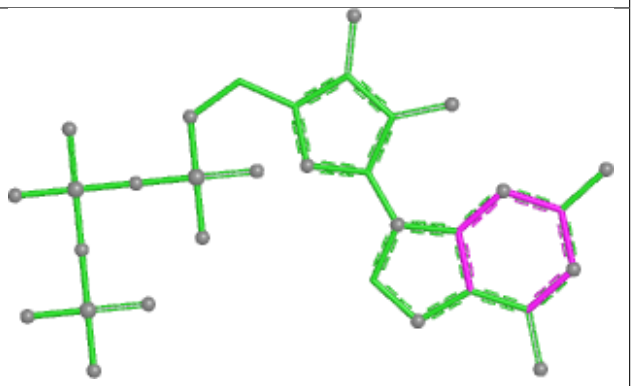


Rings

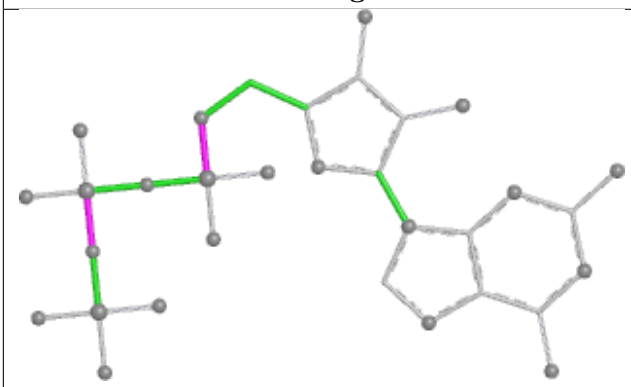
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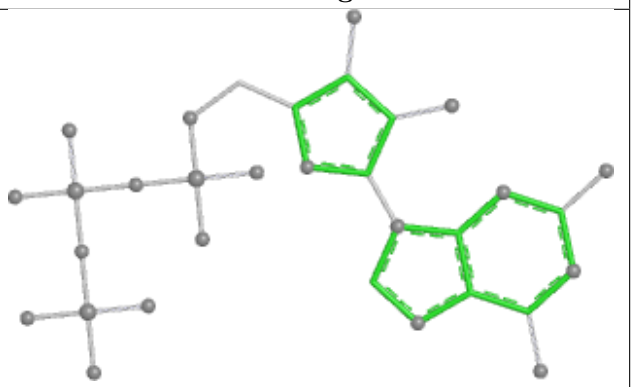
Bond lengths



Bond angles

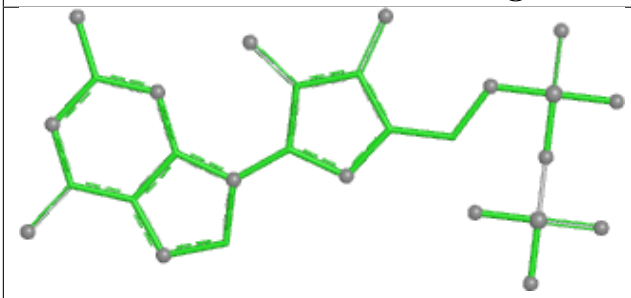


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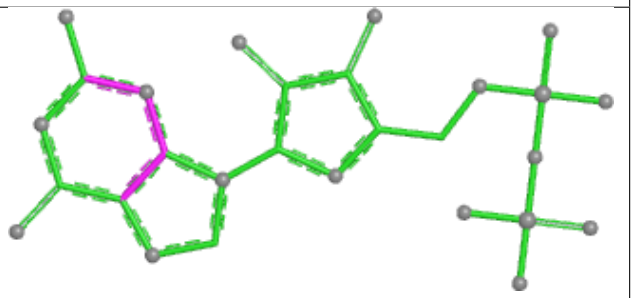


Rings

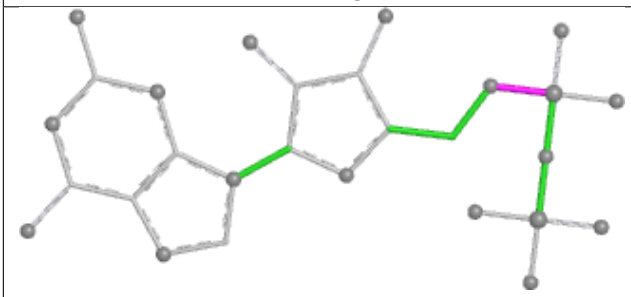
Ligand GDP UX 501



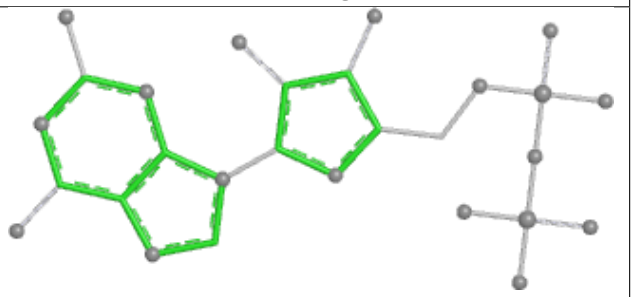
Bond lengths



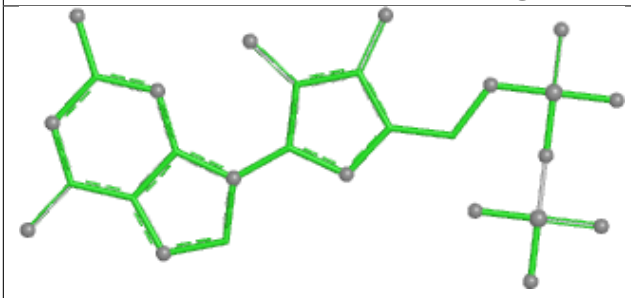
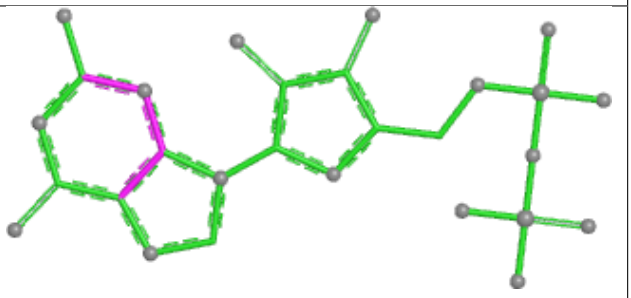
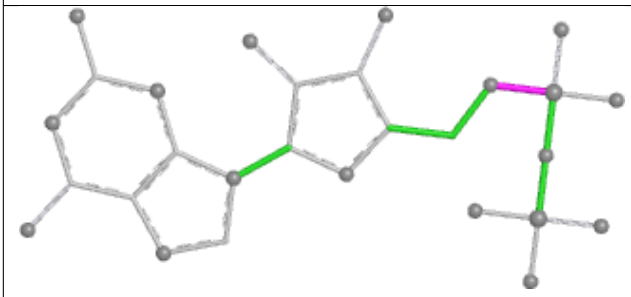
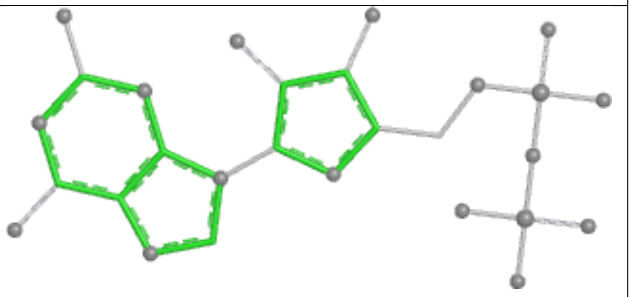
Bond angles

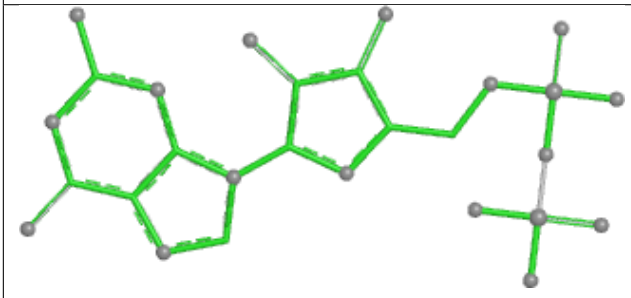
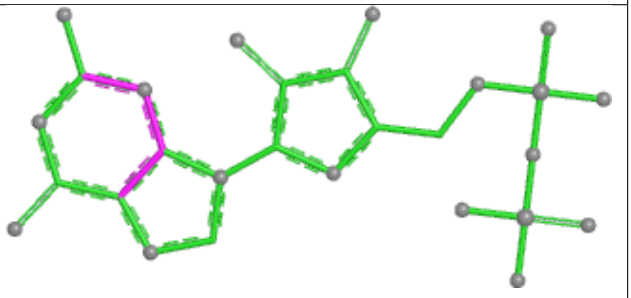
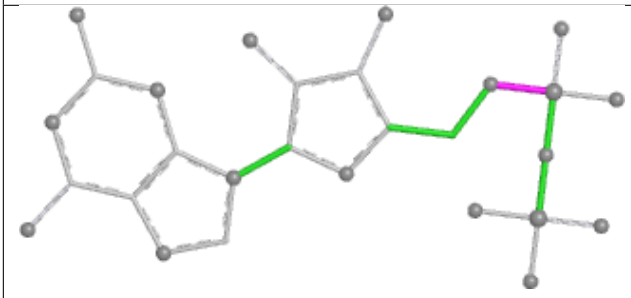
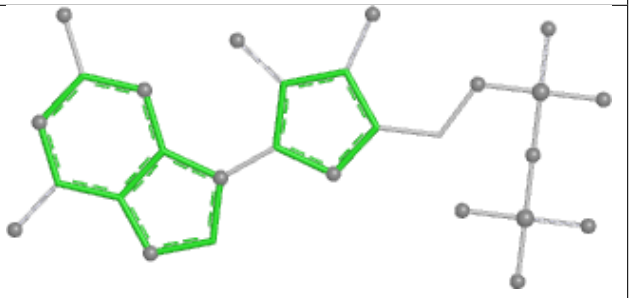


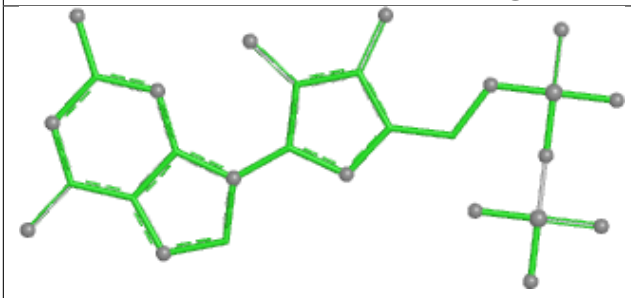
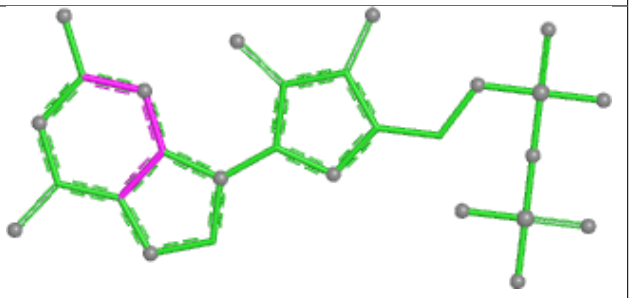
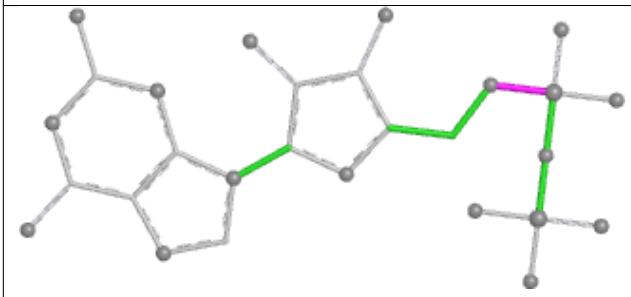
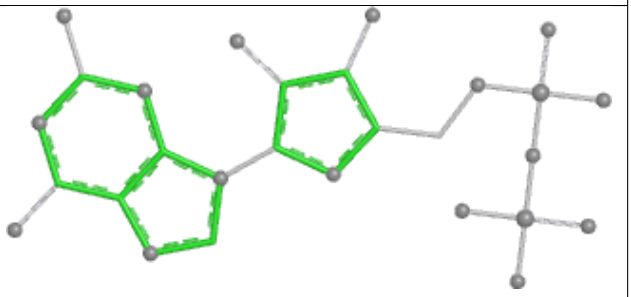
Torsions

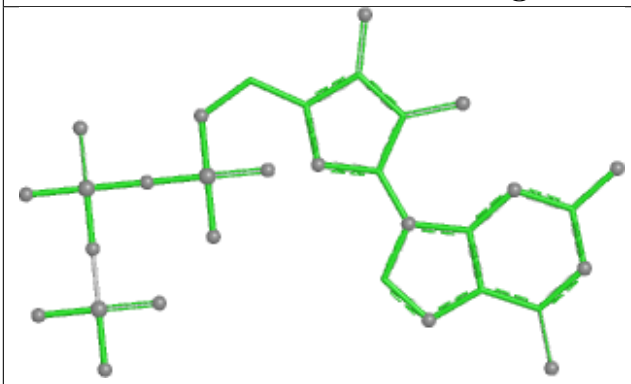
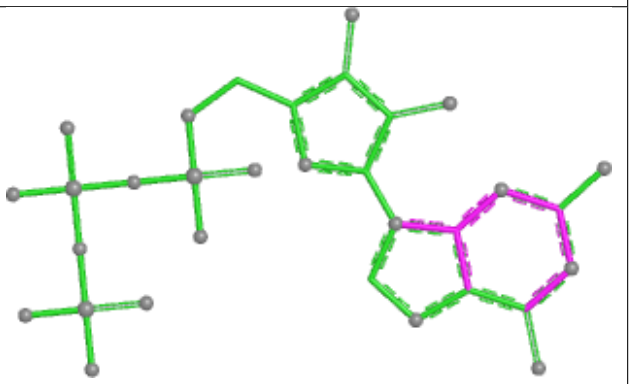
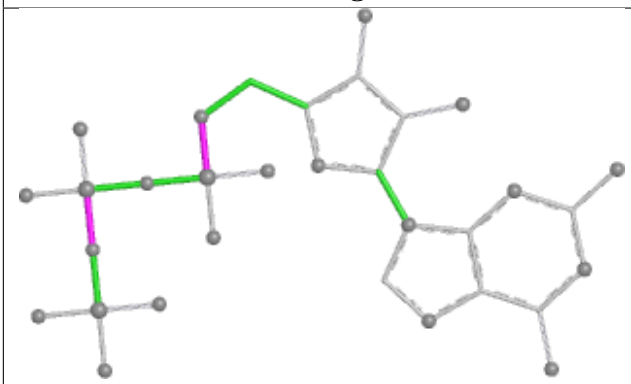
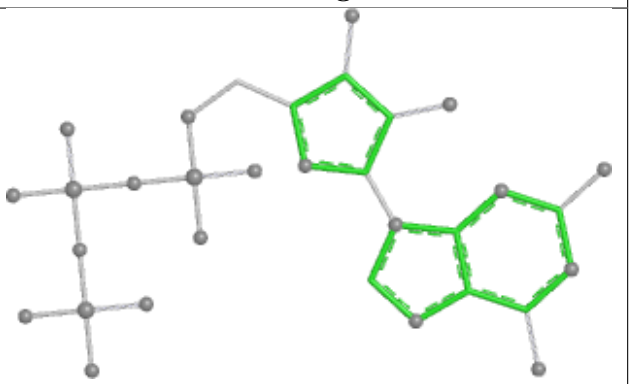


Rings

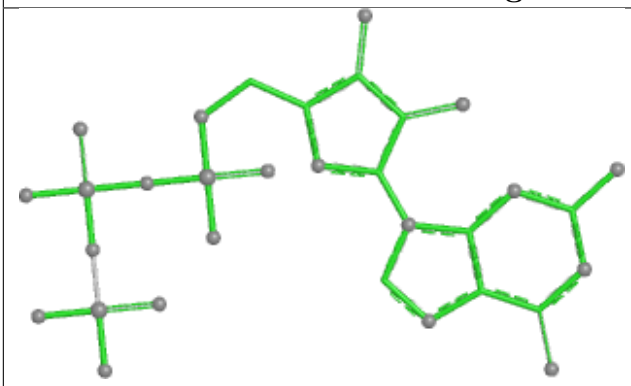
Ligand GDP LS 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP JD 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

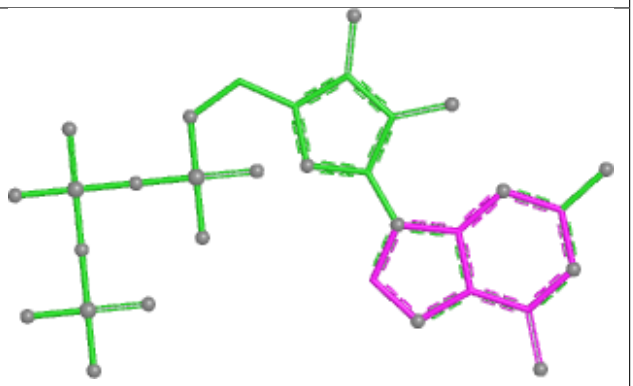
Ligand GDP NU 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP DF 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

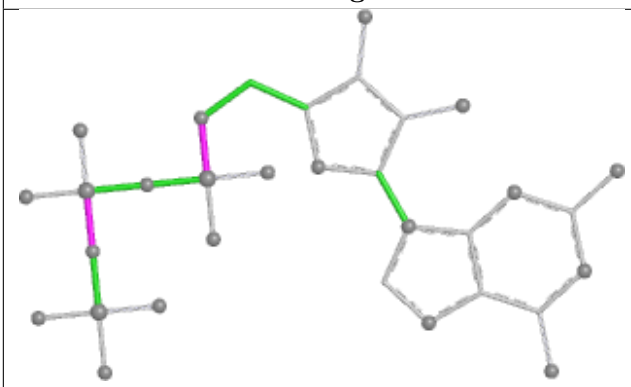
Ligand GTP WE 602



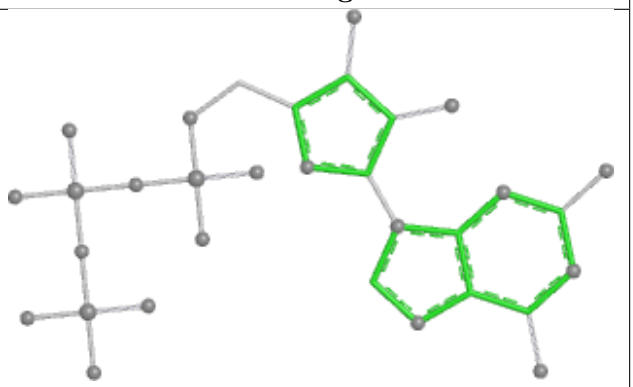
Bond lengths



Bond angles

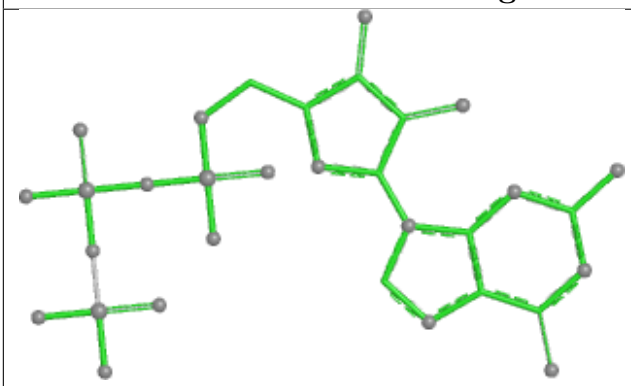


Torsions

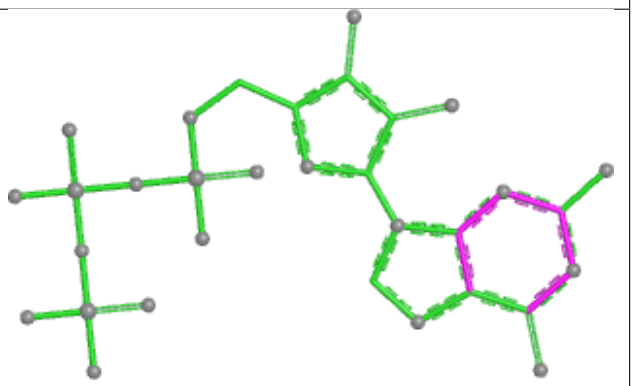


Rings

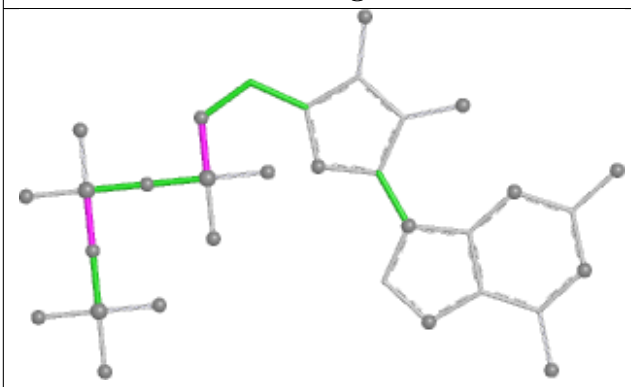
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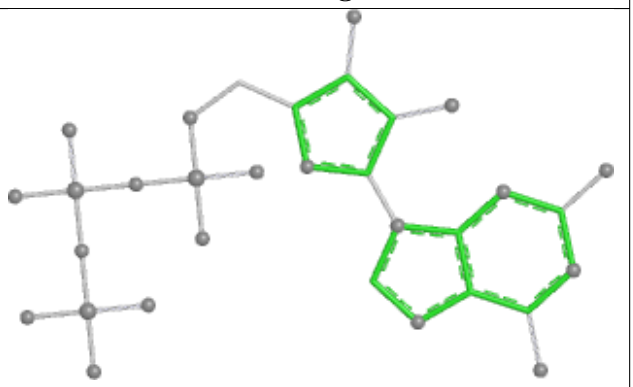
Bond lengths



Bond angles

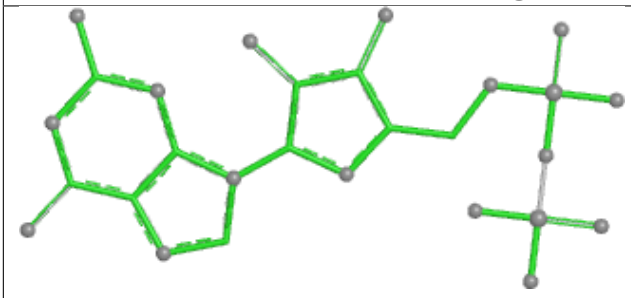


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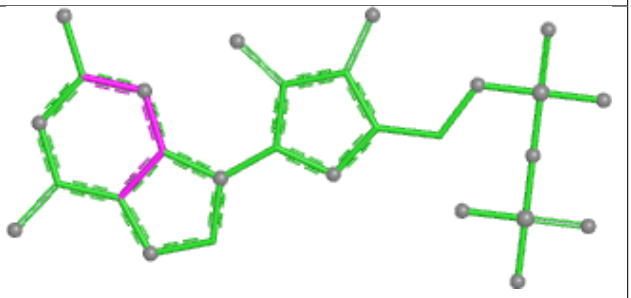


Rings

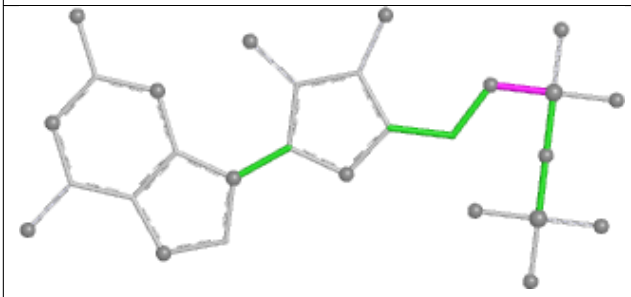
Ligand GDP RL 501



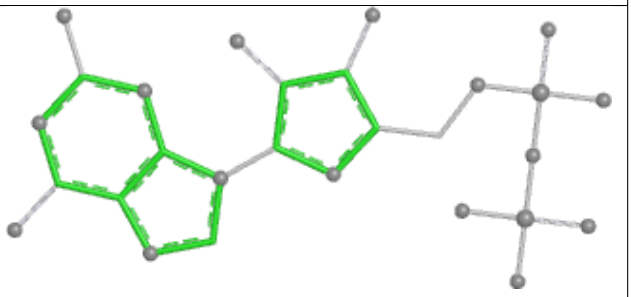
Bond lengths



Bond angles

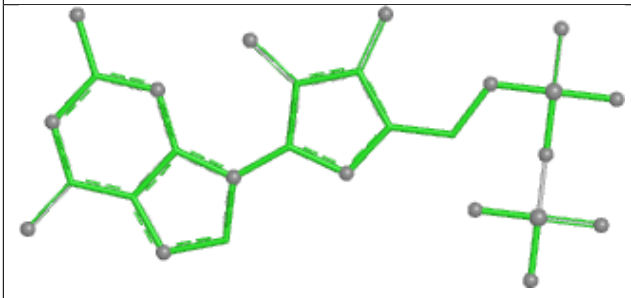


Torsions

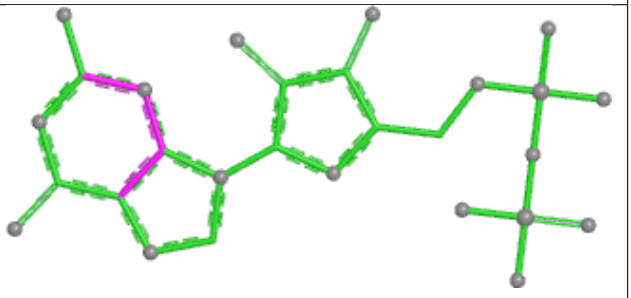


Rings

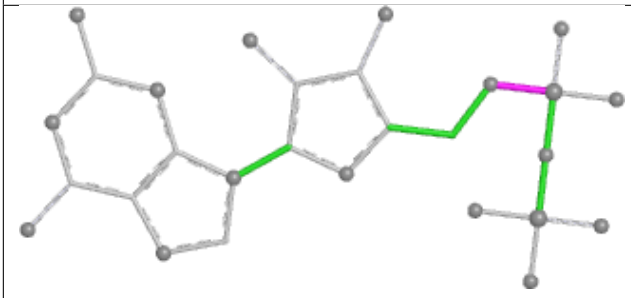
Ligand GDP DX 501



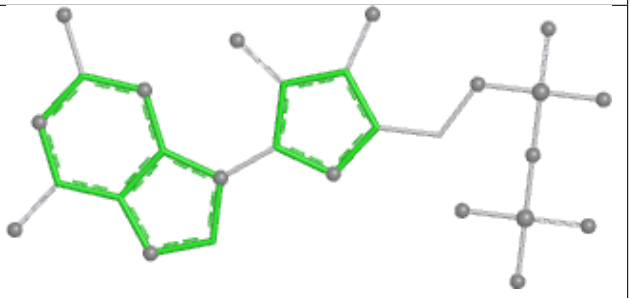
Bond lengths



Bond angles

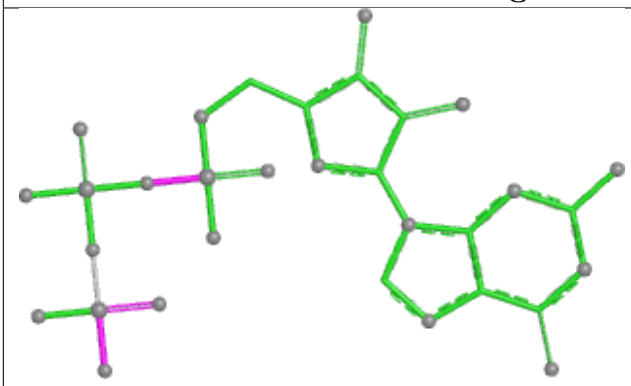


Torsions

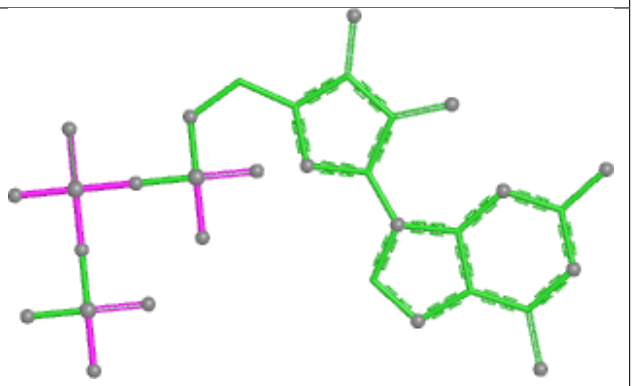


Rings

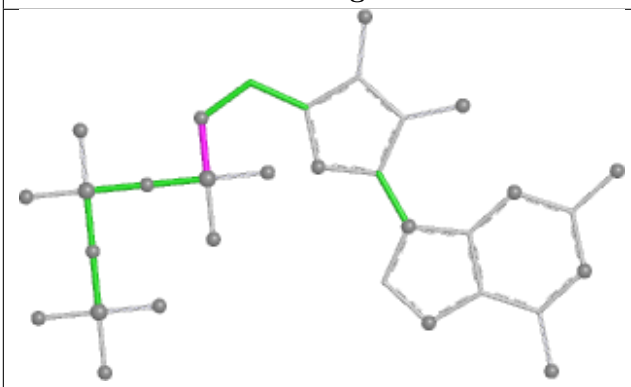
Ligand GTP VC 501



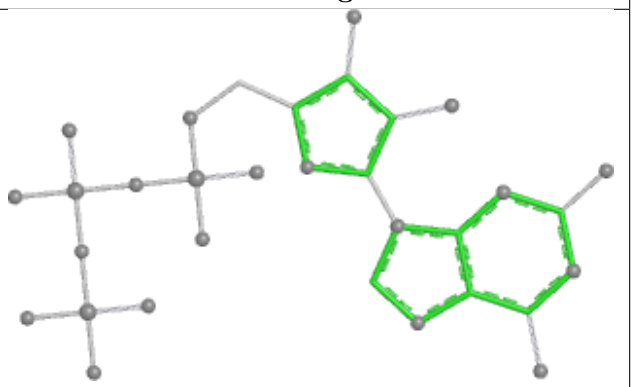
Bond lengths



Bond angles

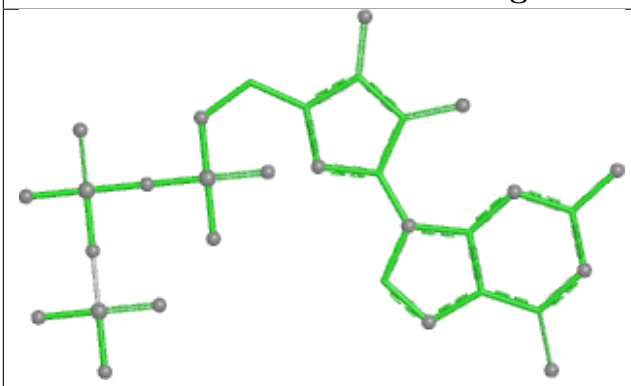


Torsions

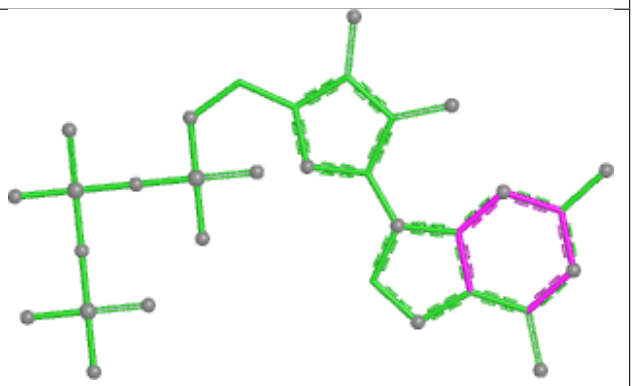


Rings

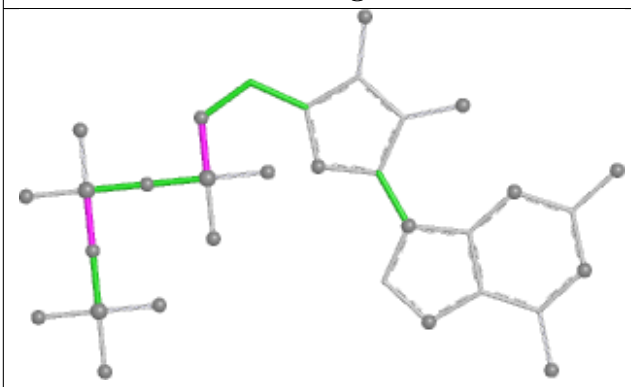
Ligand GTP OP 501



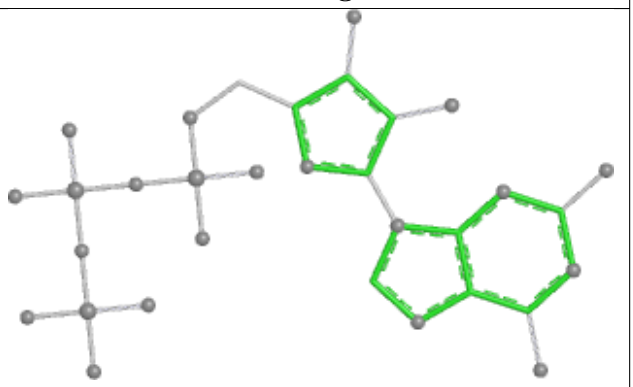
Bond lengths



Bond angles

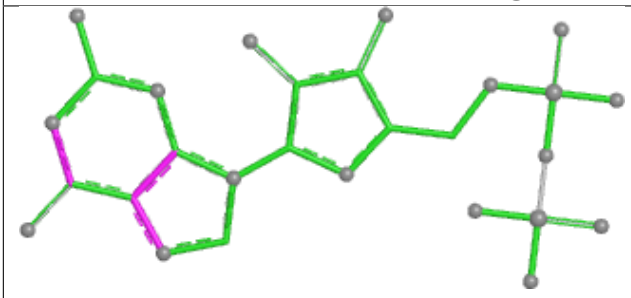


Torsions

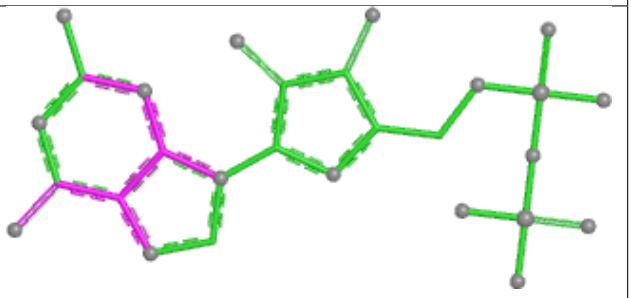


Rings

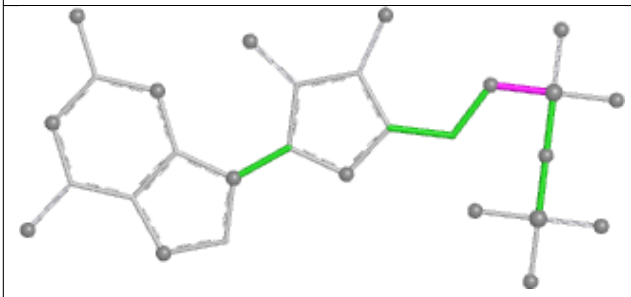
Ligand GDP DV 501



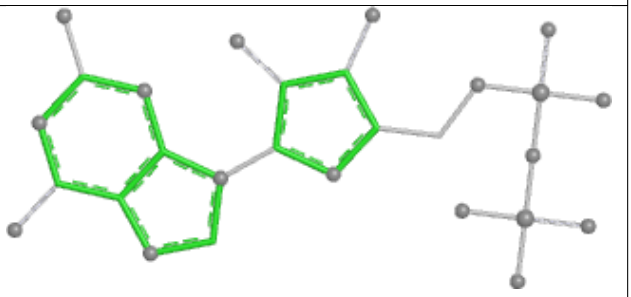
Bond lengths



Bond angles

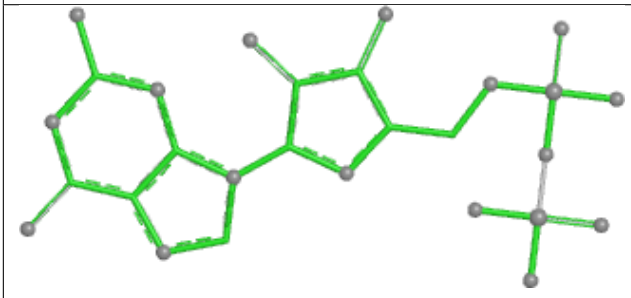


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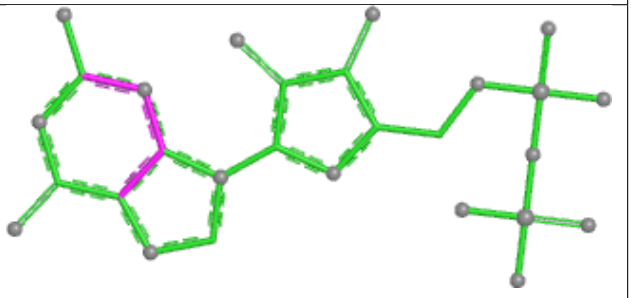


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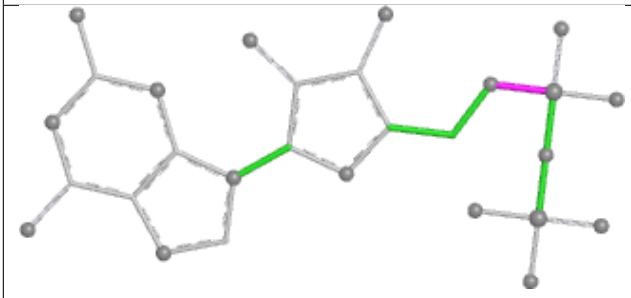
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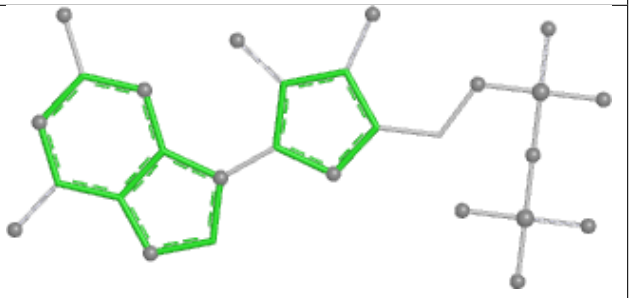
Bond lengths



Bond angles

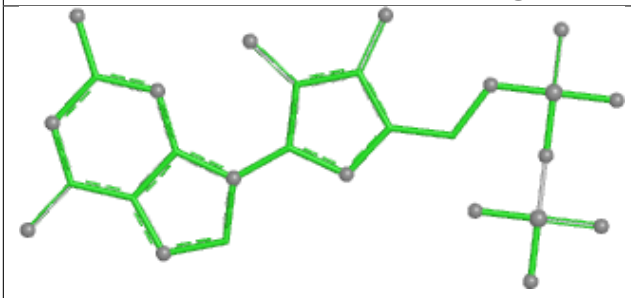


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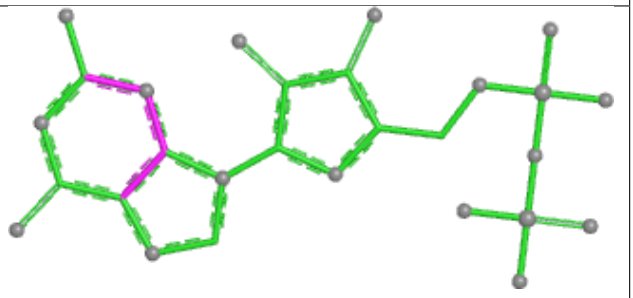


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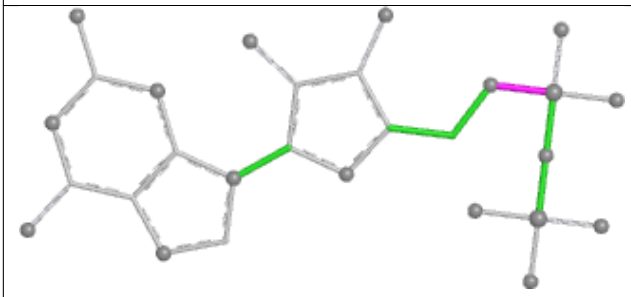
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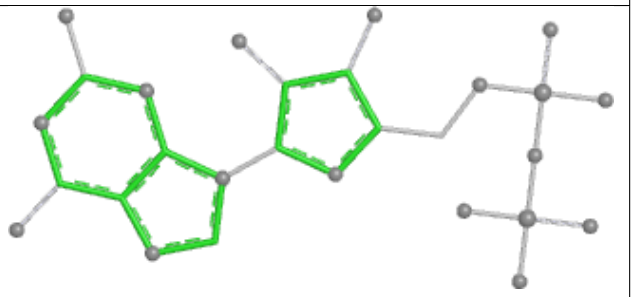
Bond lengths



Bond angles

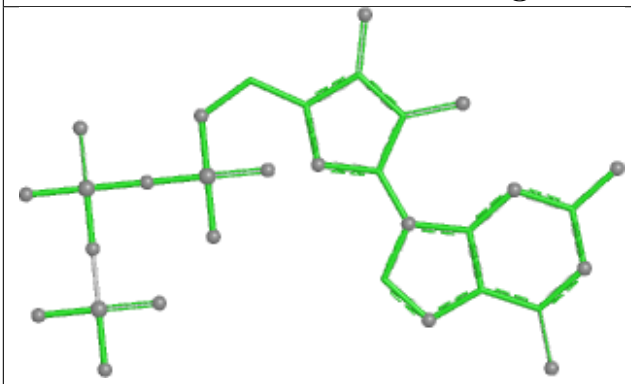


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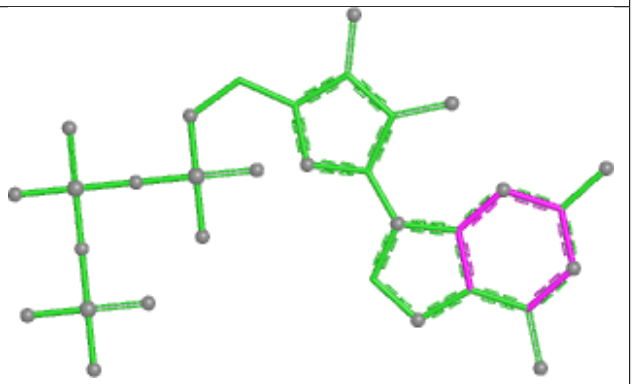


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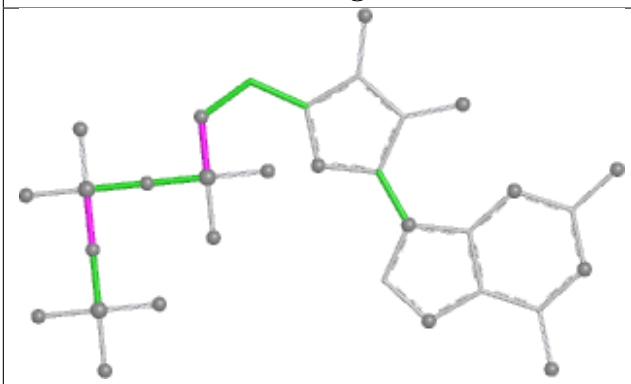
Ligand GTP ZV 602



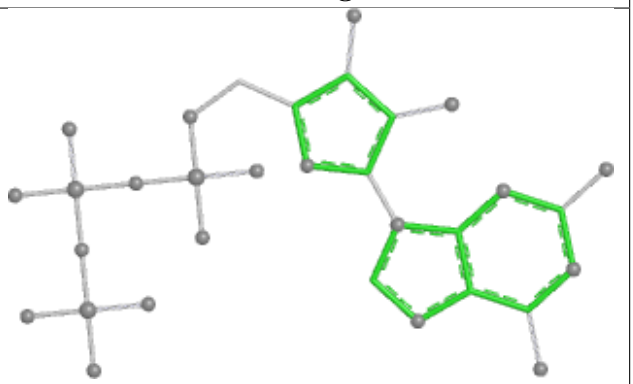
Bond lengths



Bond angles

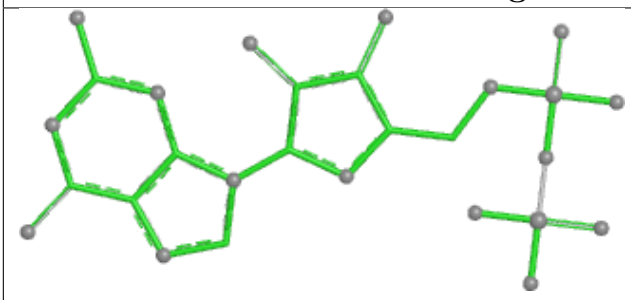


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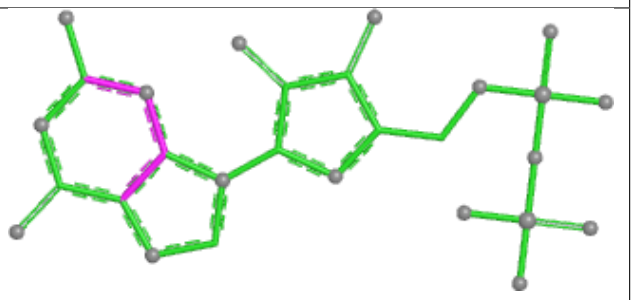


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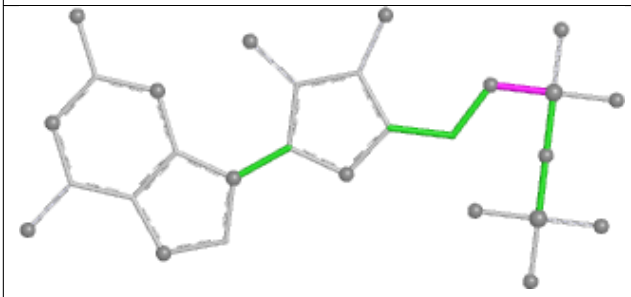
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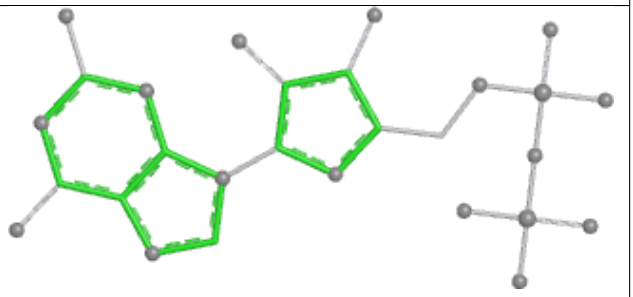
Bond lengths



Bond angles

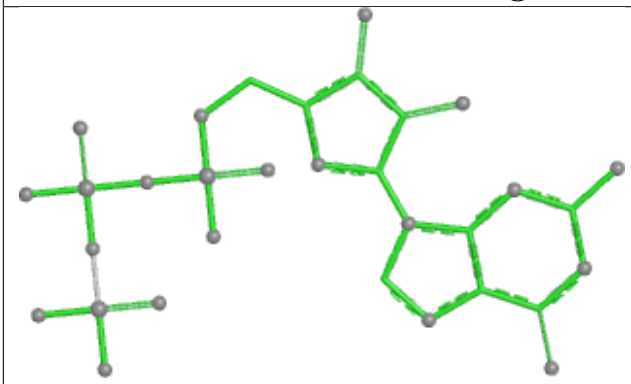


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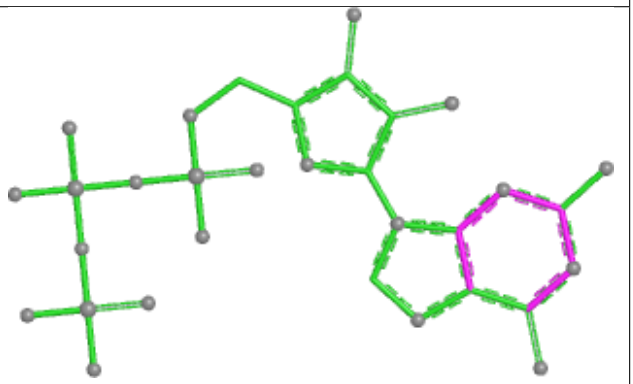


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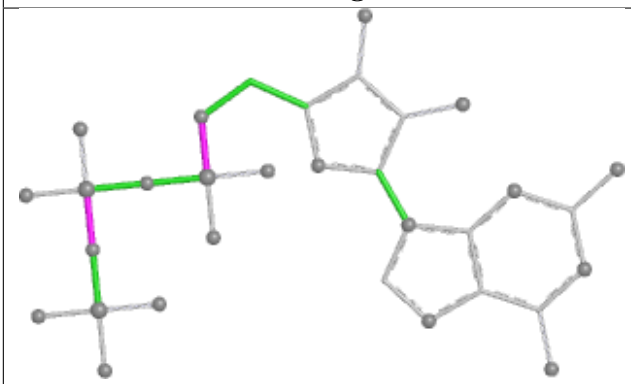
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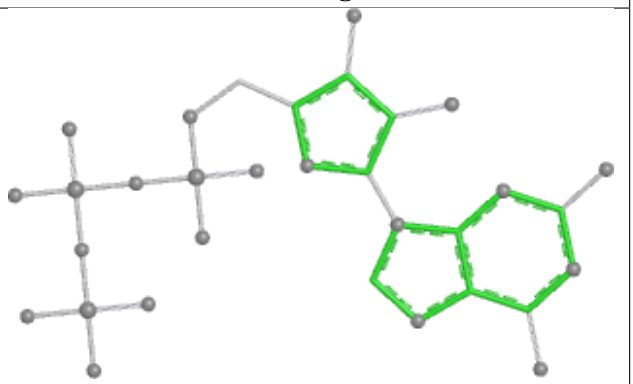
Bond lengths



Bond angles

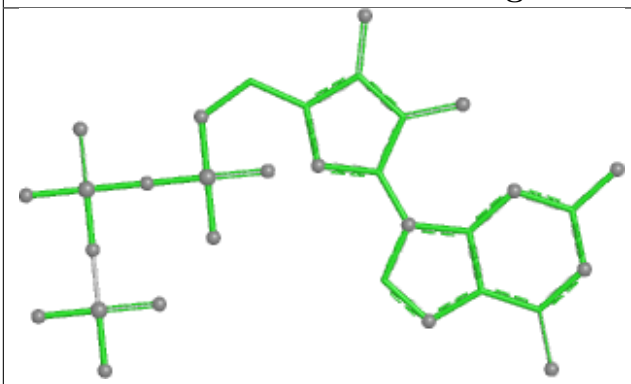


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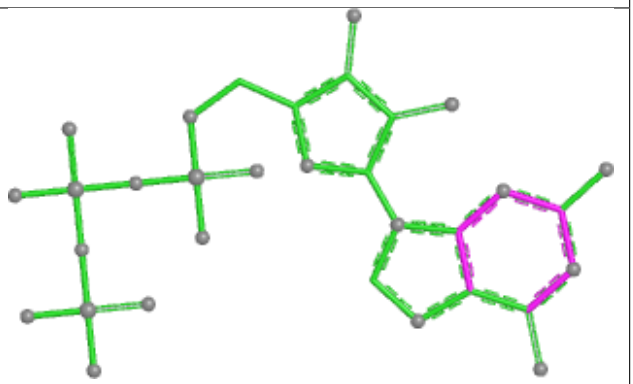


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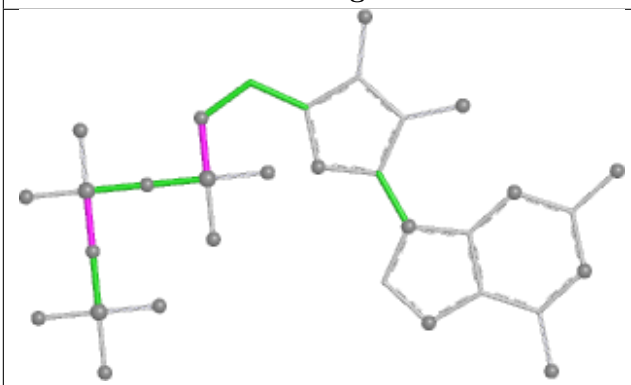
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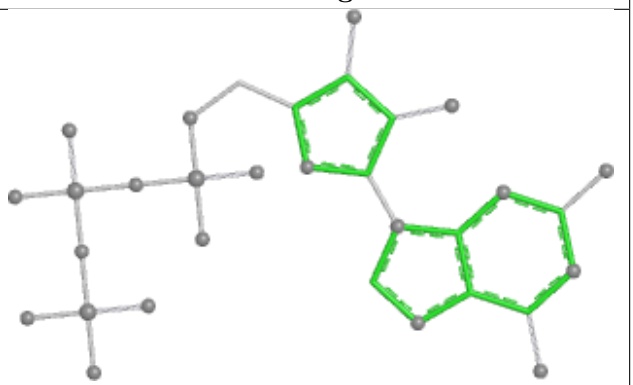
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Bond angles

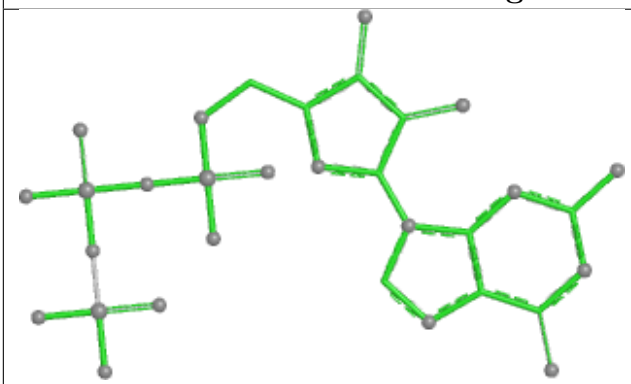


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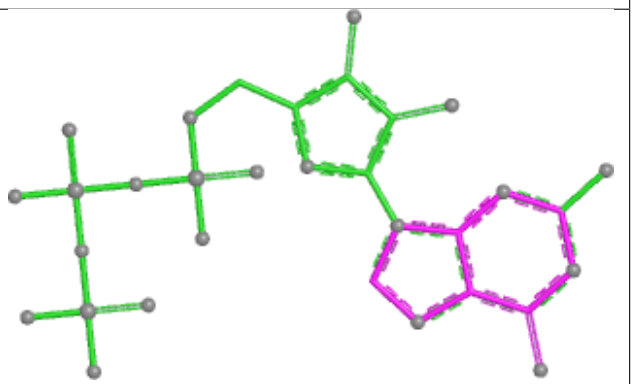


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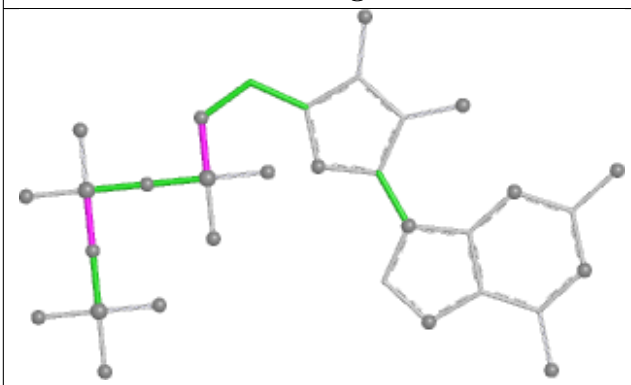
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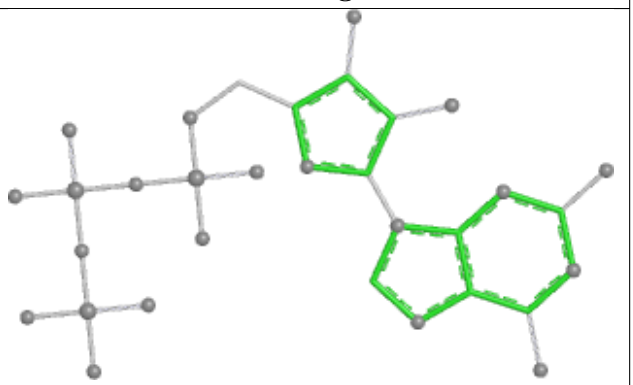
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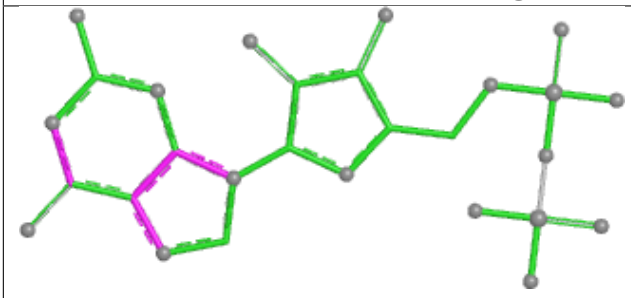


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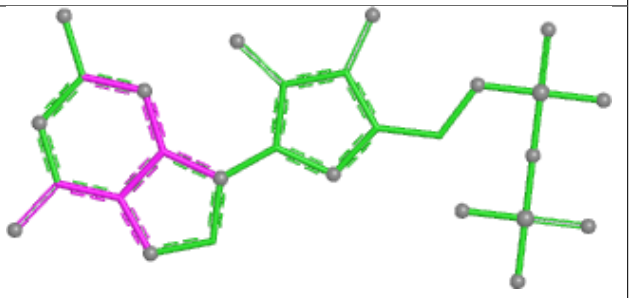


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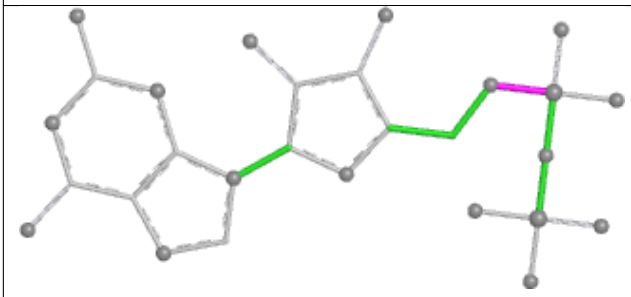
Ligand GDP EB 501



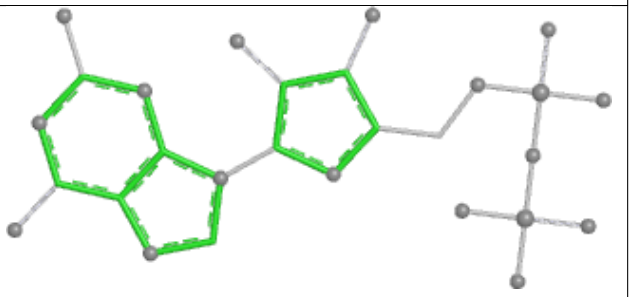
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Bond angles

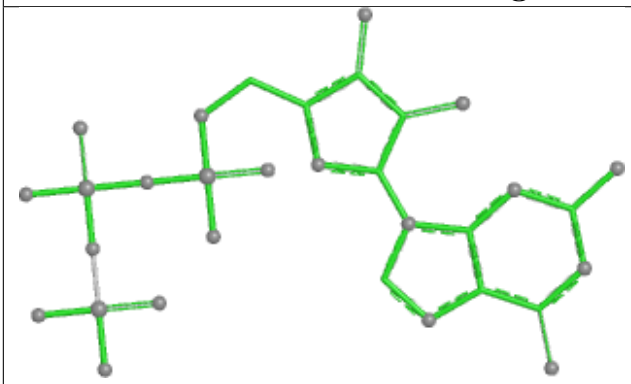


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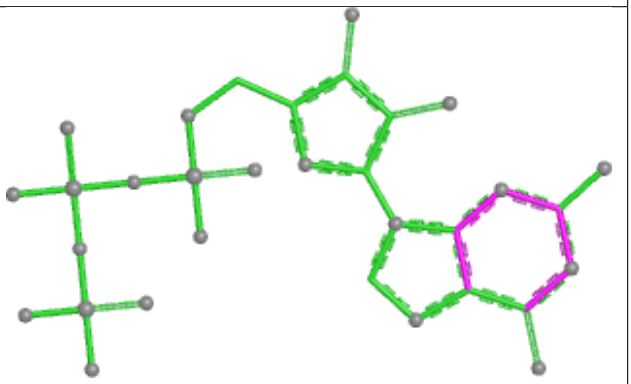


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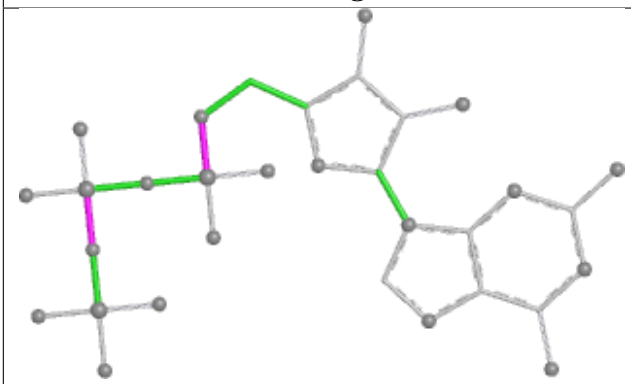
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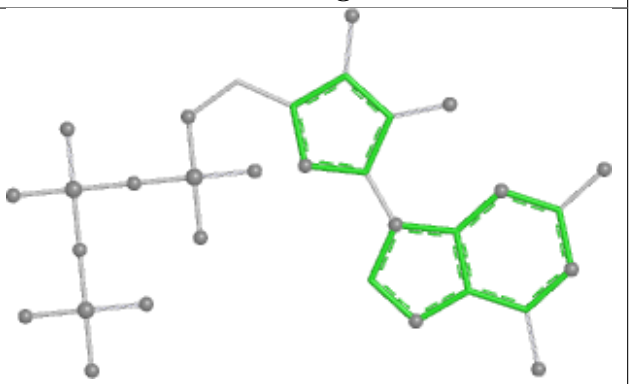
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Bond angles

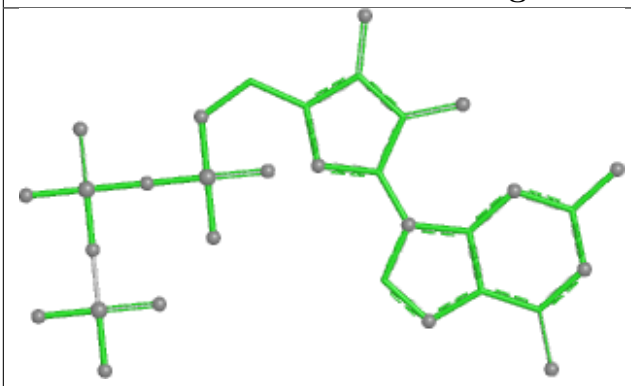


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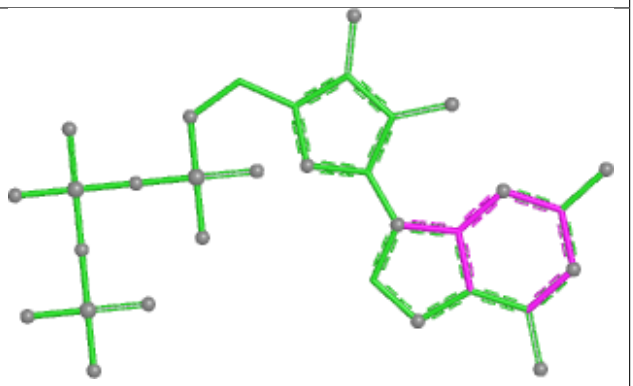


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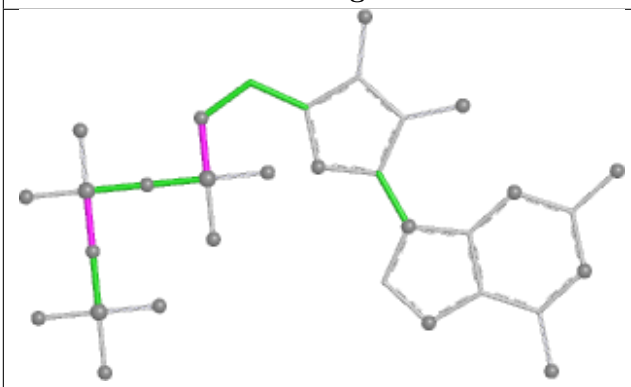
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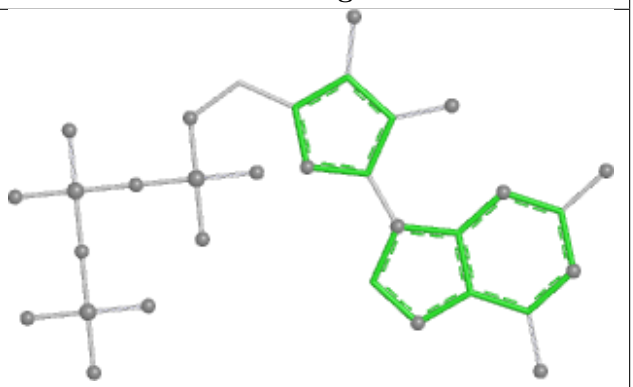
Bond lengths



Bond angles

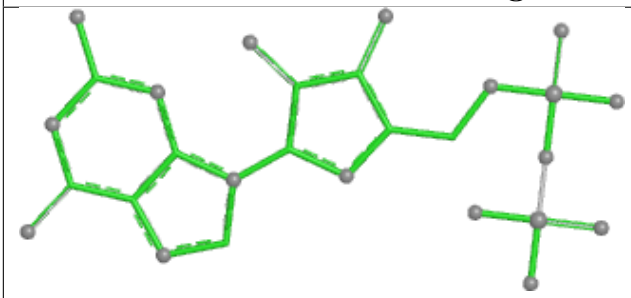


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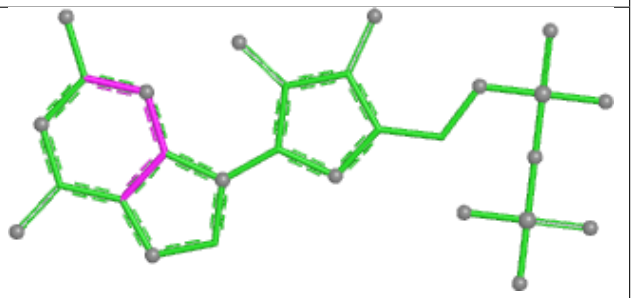


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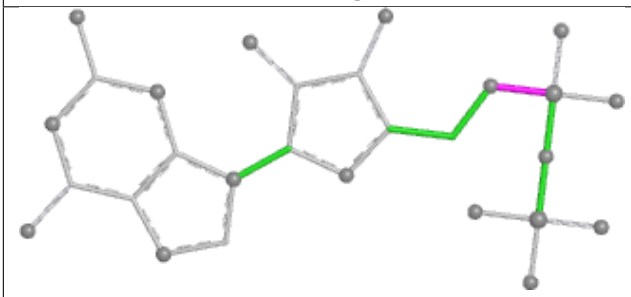
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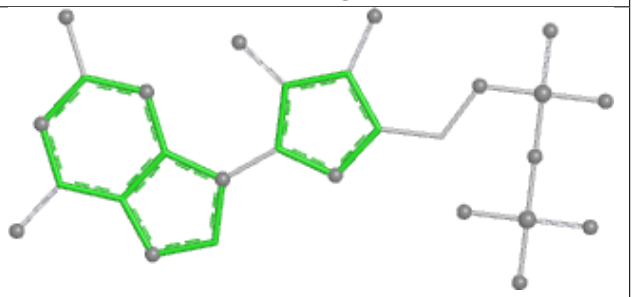
Bond lengths



Bond angles

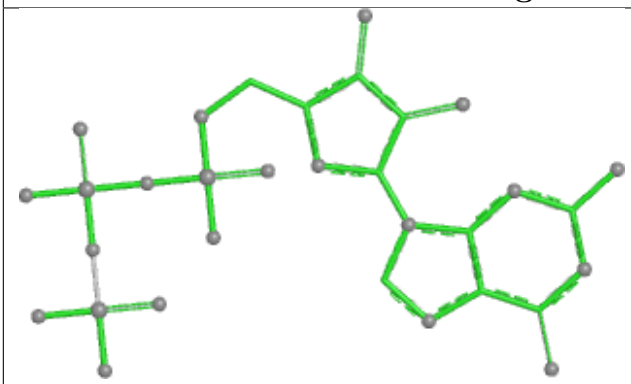


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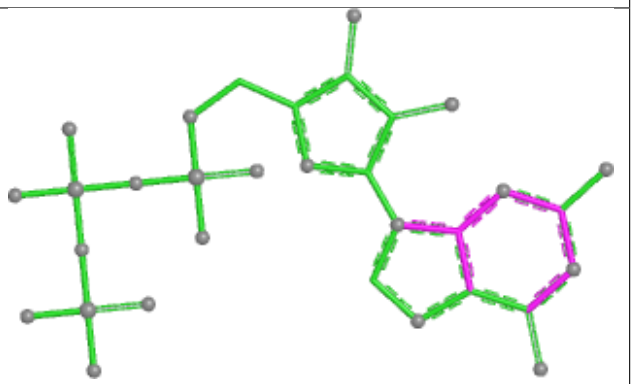


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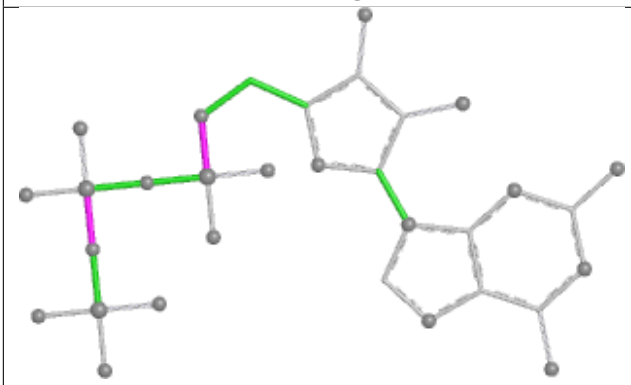
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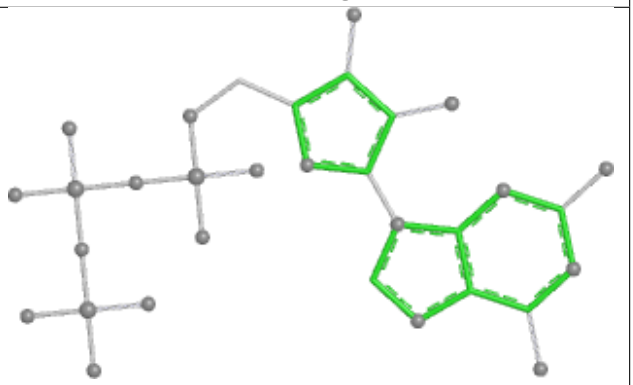
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Bond angles

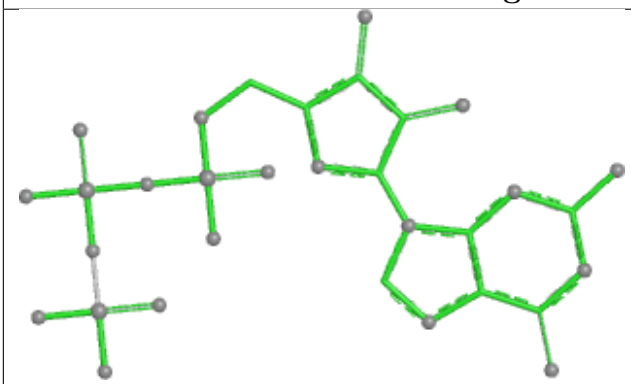


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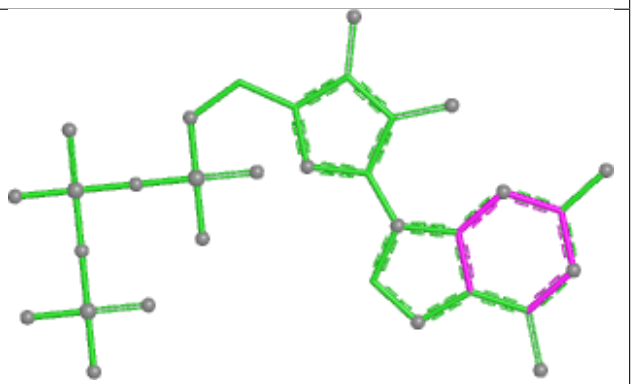


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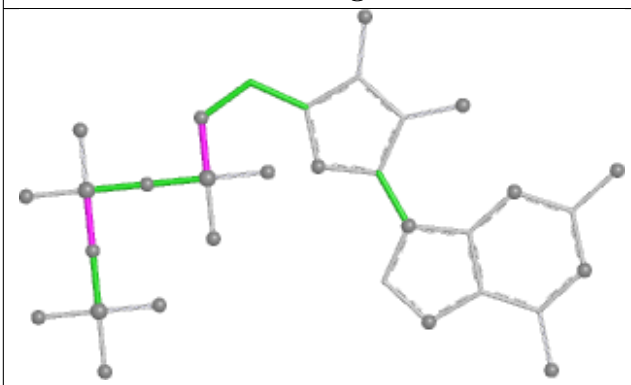
Ligand GTP WU 501



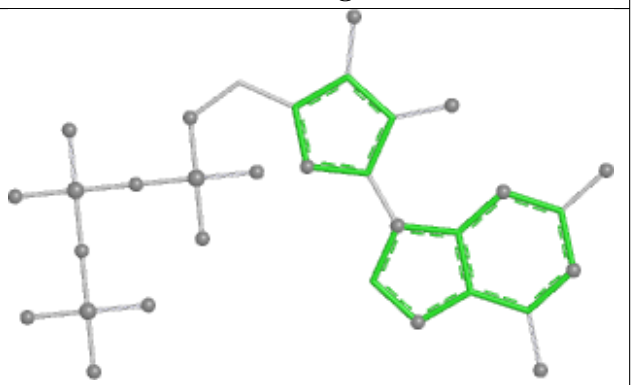
Bond lengths



Bond angles

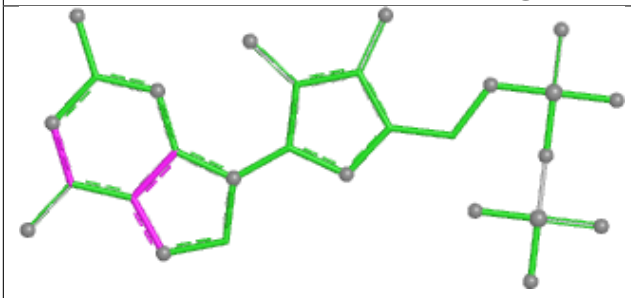


Torsions

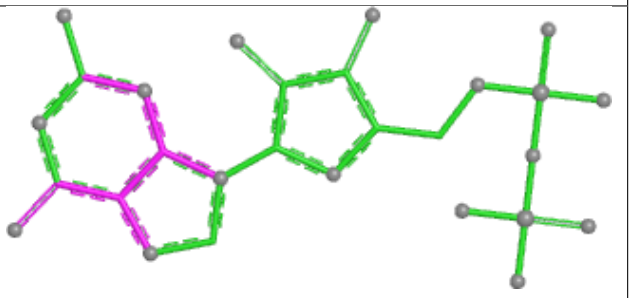


Rings

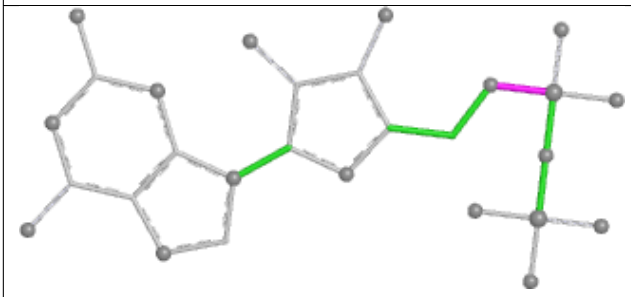
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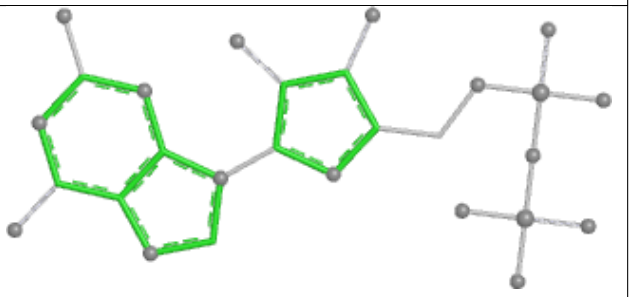
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Bond angles

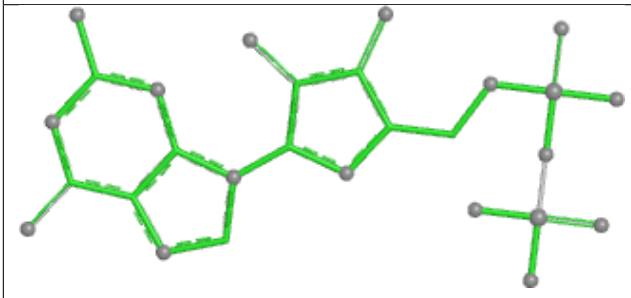


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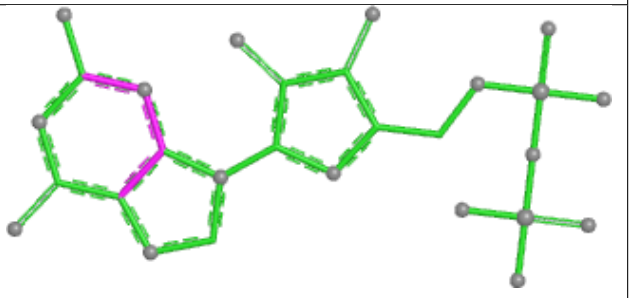


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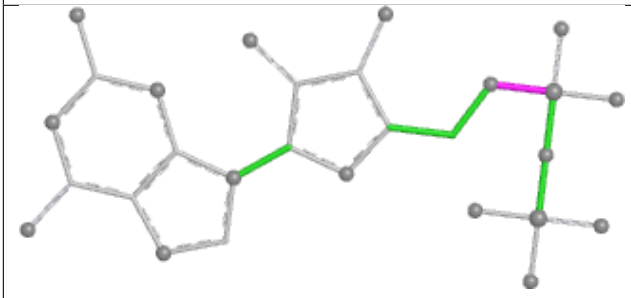
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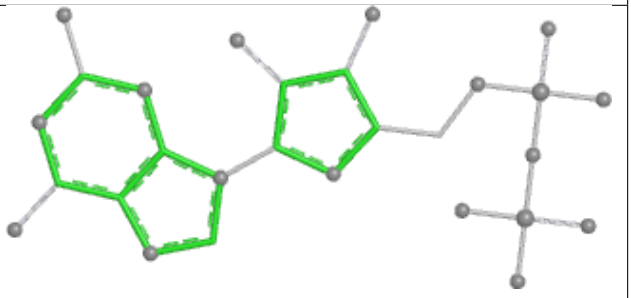
Bond lengths



Bond angles

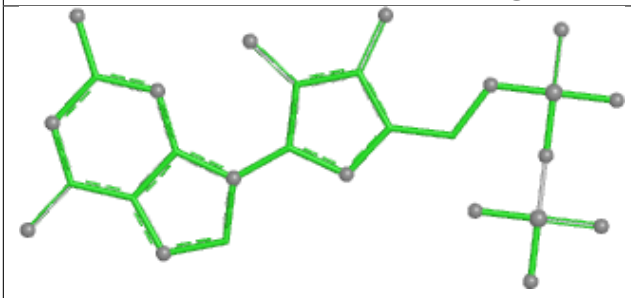


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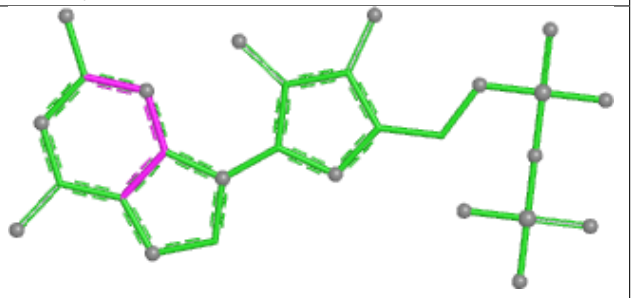


Rings

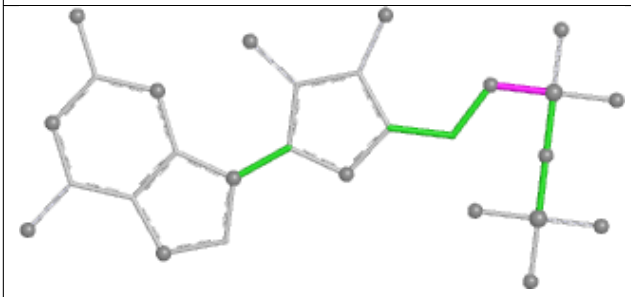
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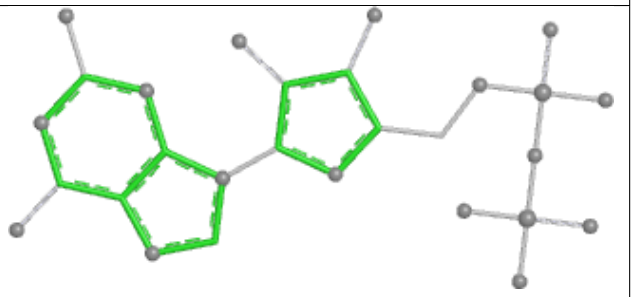
Bond lengths



Bond angles

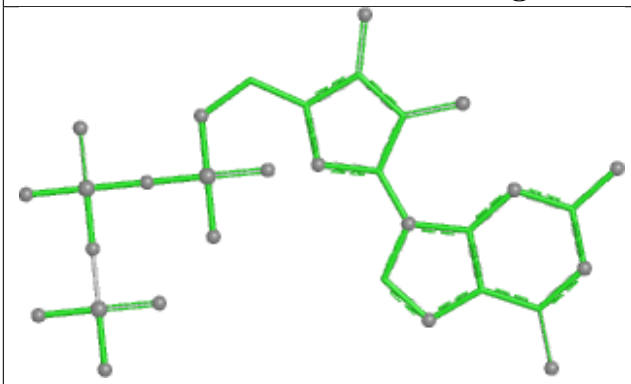


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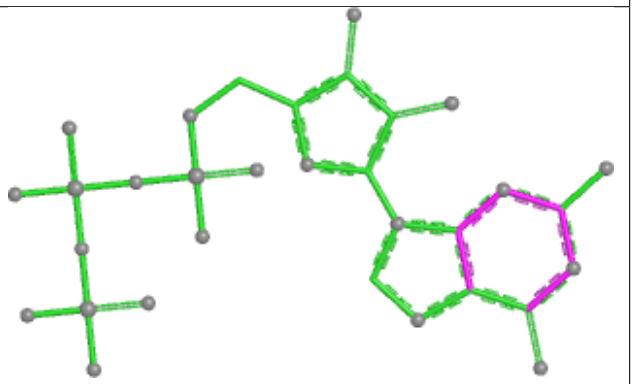


Rings

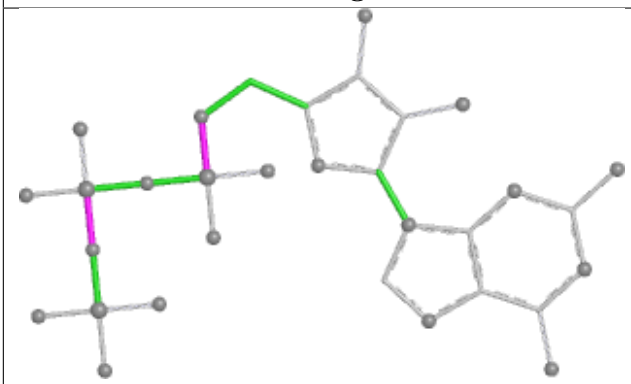
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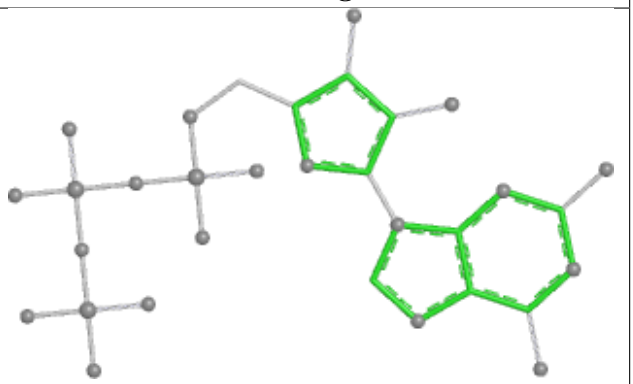
Bond lengths



Bond angles

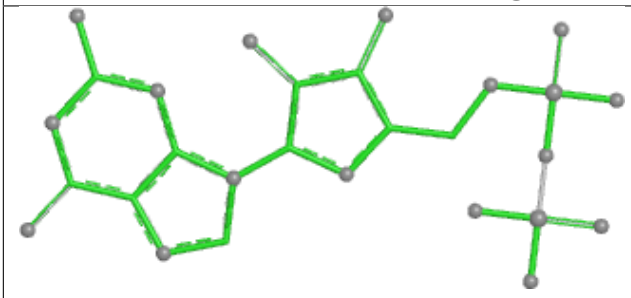


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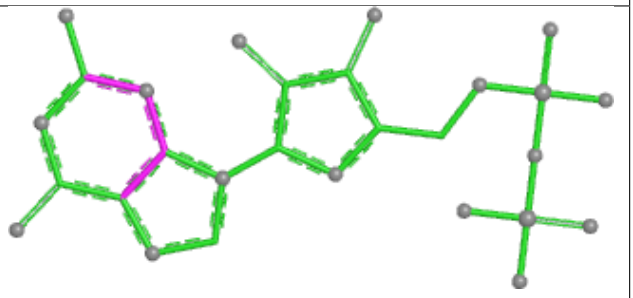


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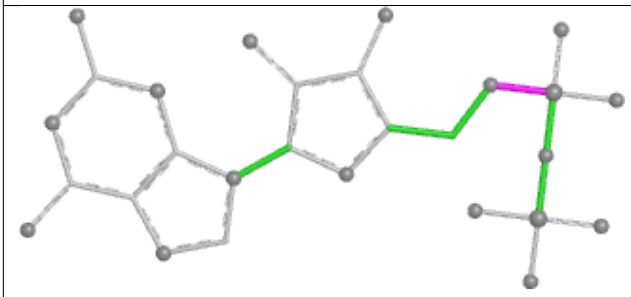
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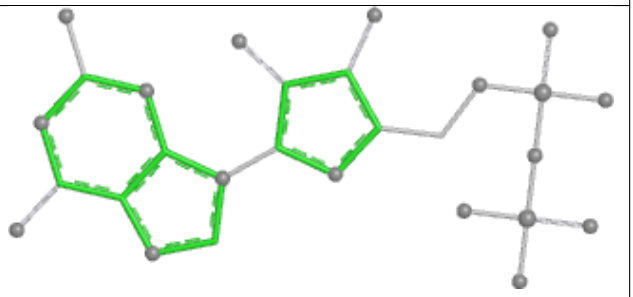
Bond lengths



Bond angles

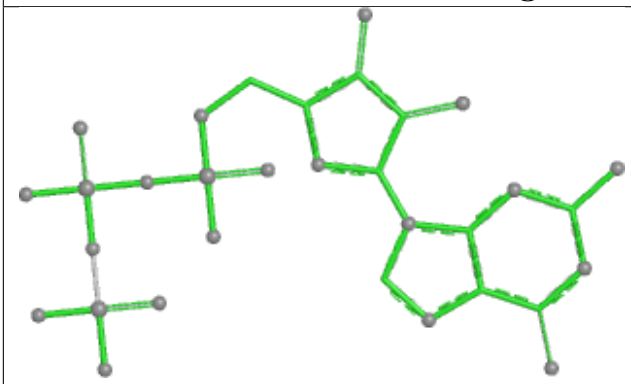


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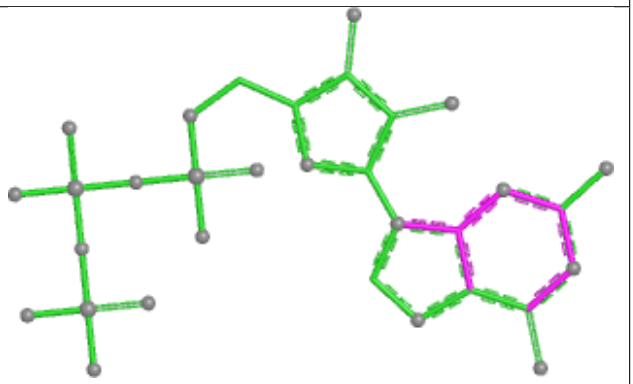


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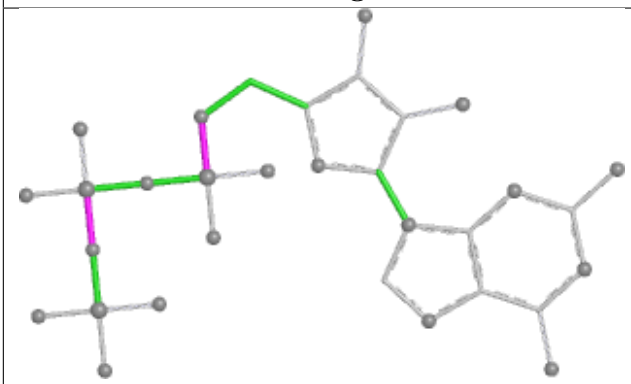
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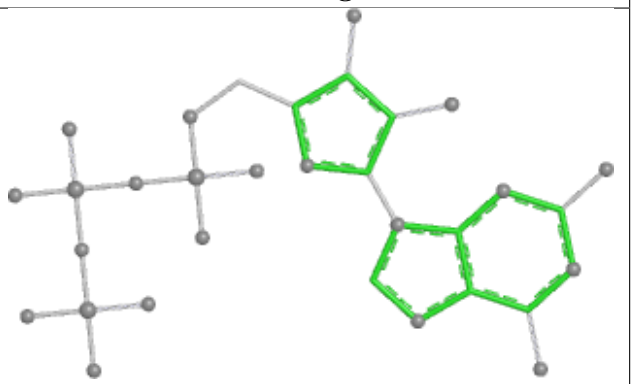
Bond lengths



Bond angles

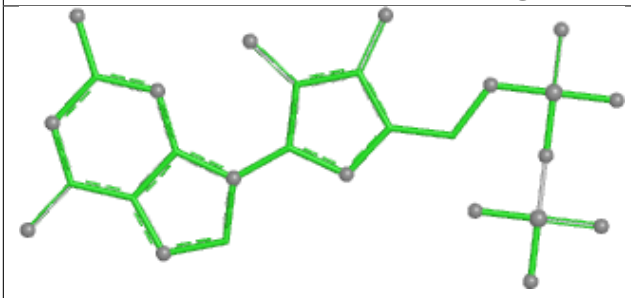


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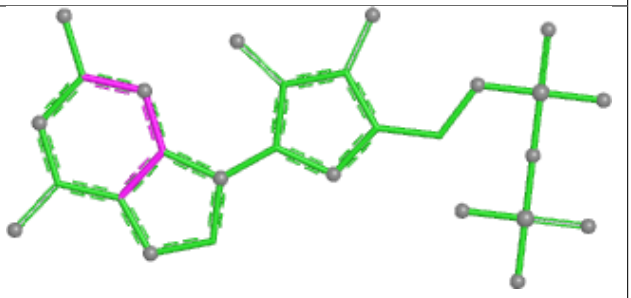


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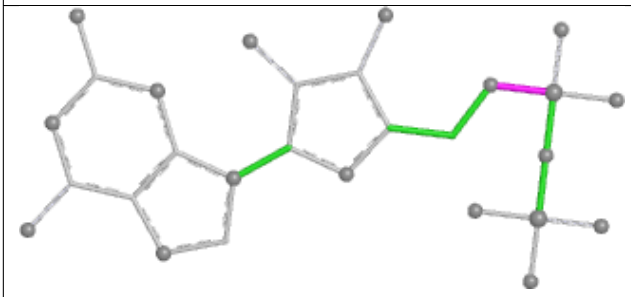
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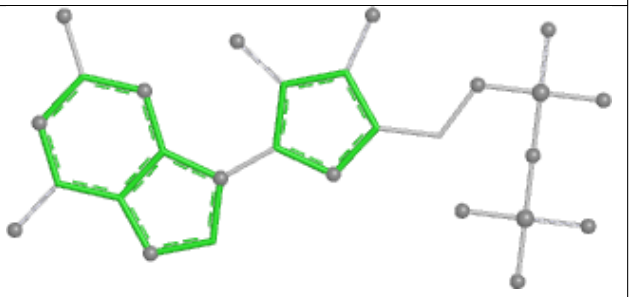
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Bond angles

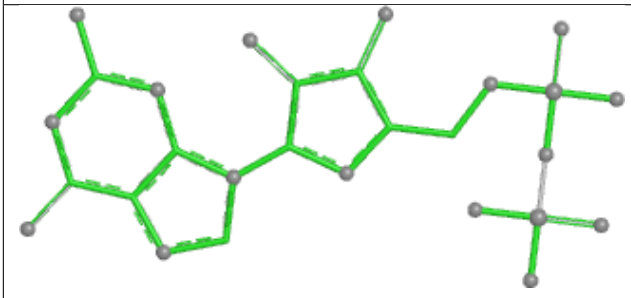


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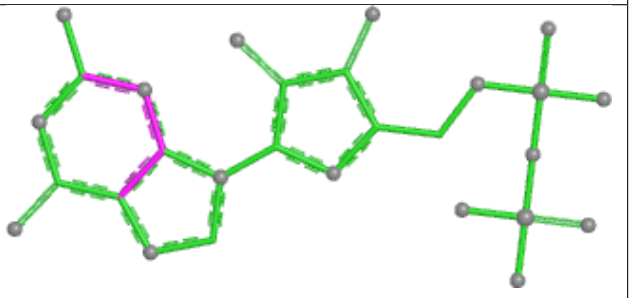


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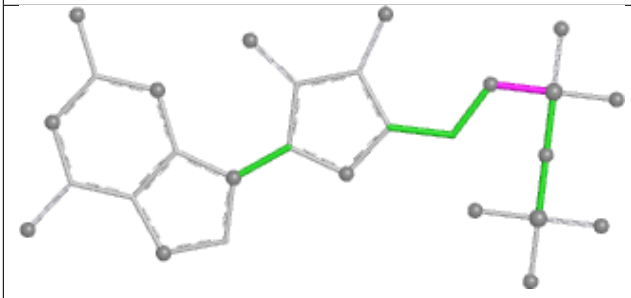
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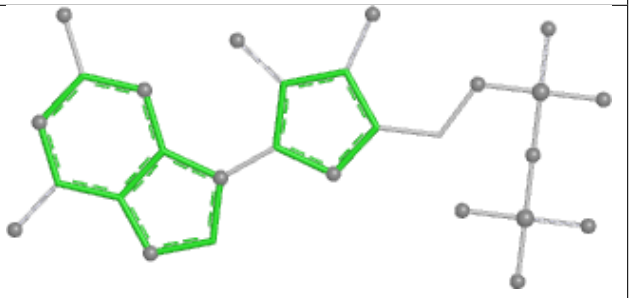
Bond lengths



Bond angles

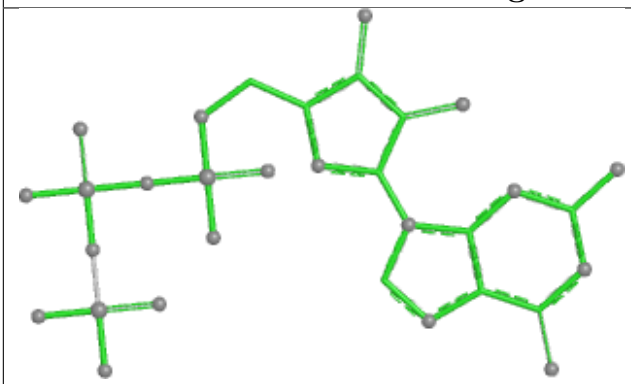


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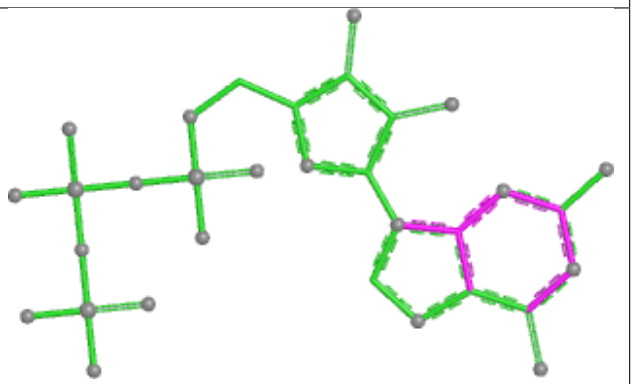


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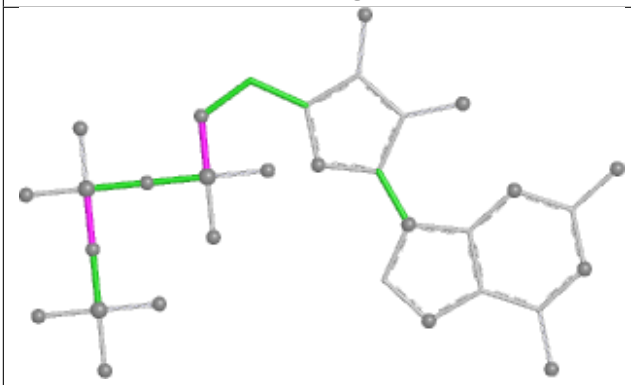
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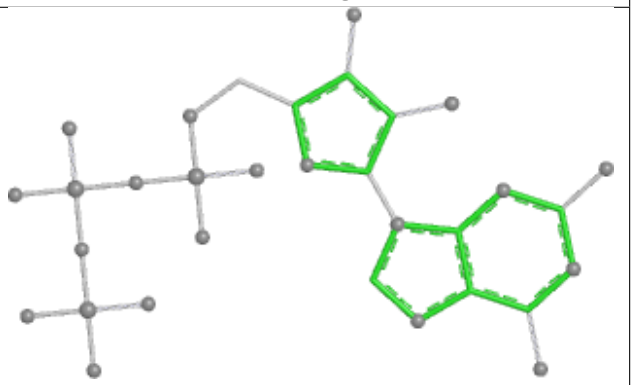
Bond lengths



Bond angles

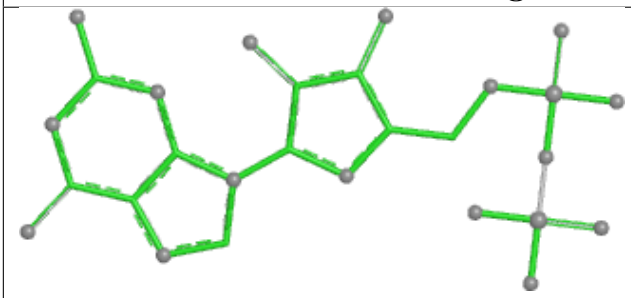


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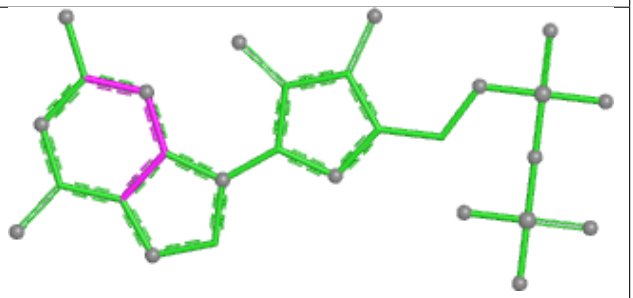


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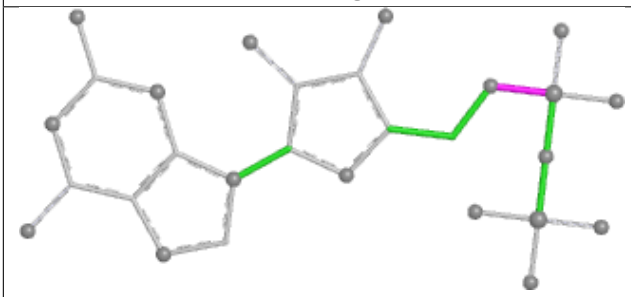
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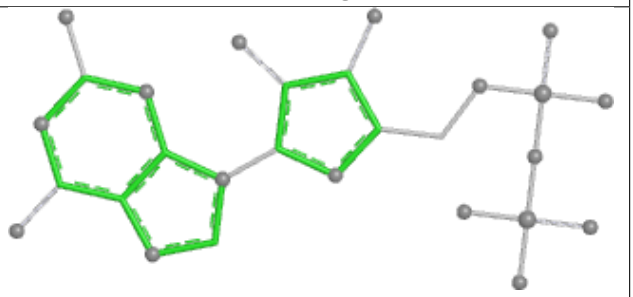
Bond lengths



Bond angles

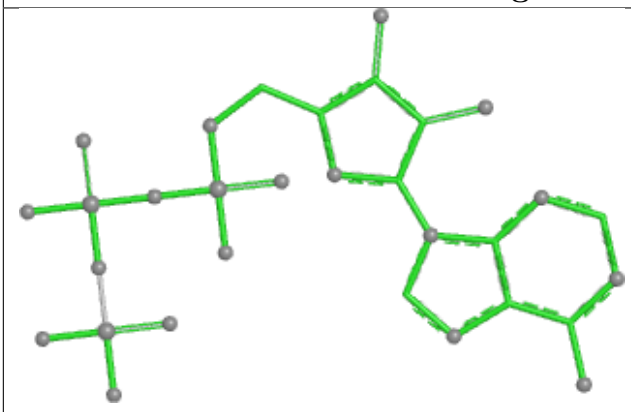


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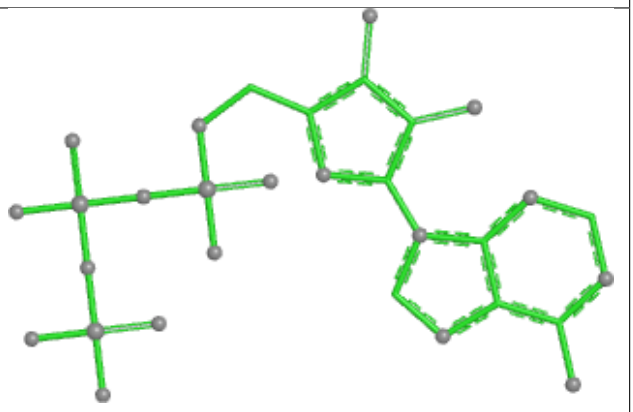


Rings

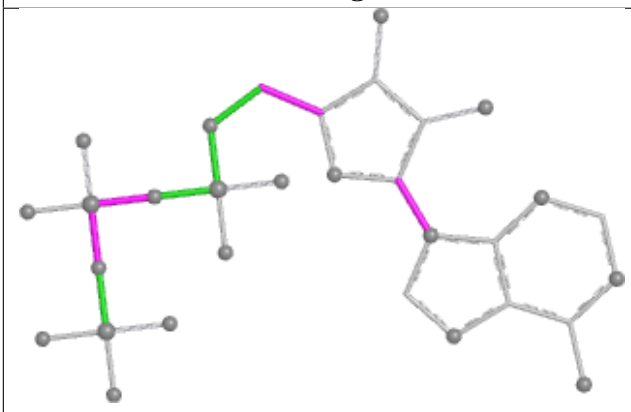
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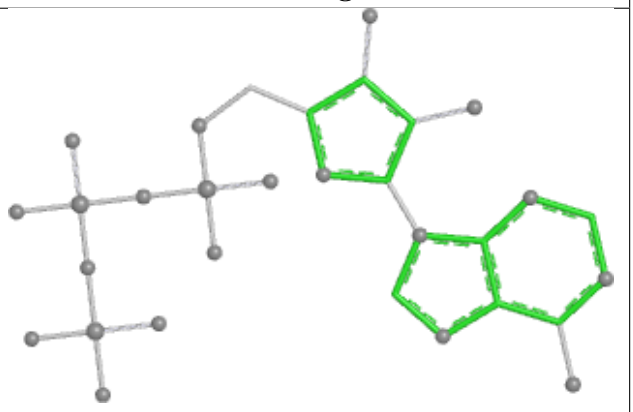
Bond lengths



Bond angles

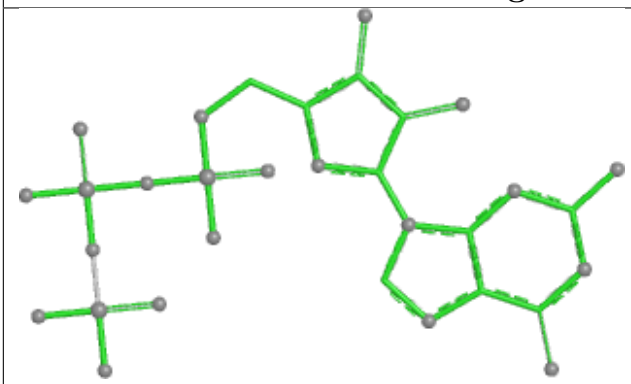


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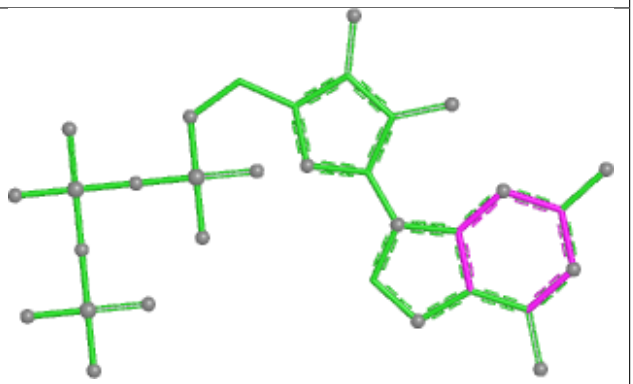


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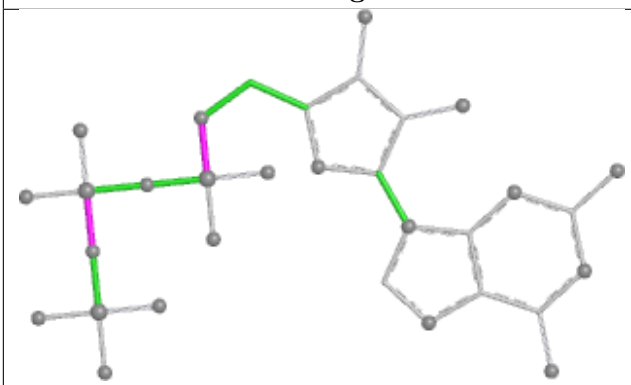
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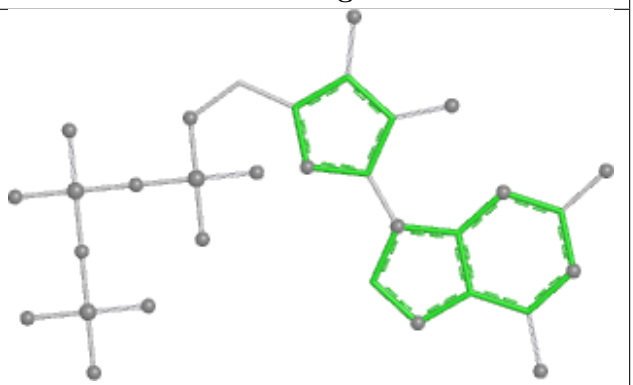
Bond lengths



Bond angles

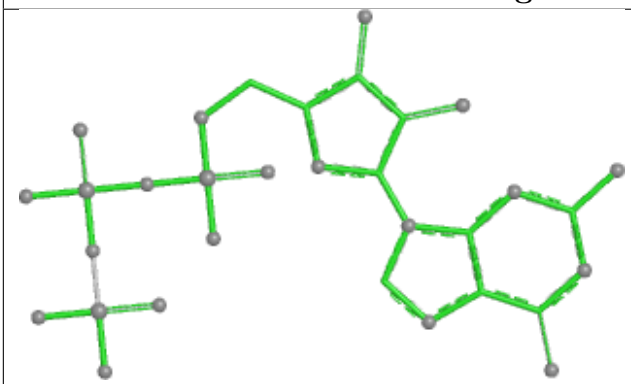


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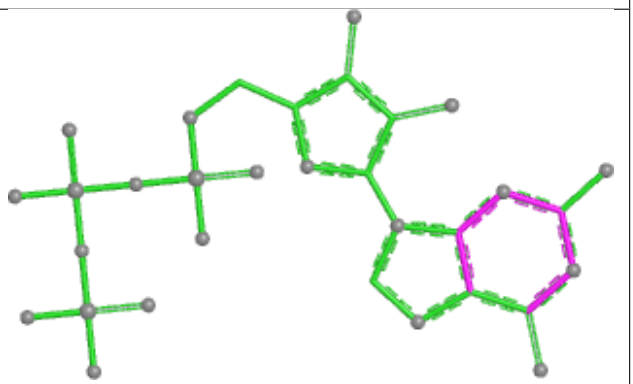


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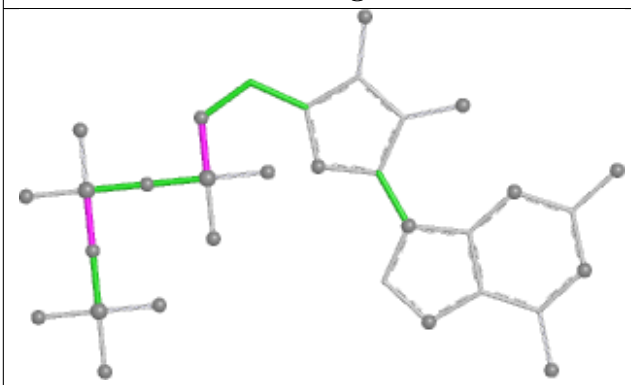
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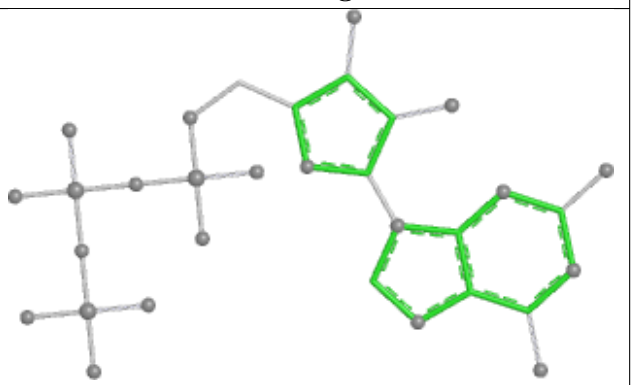
Bond lengths



Bond angles

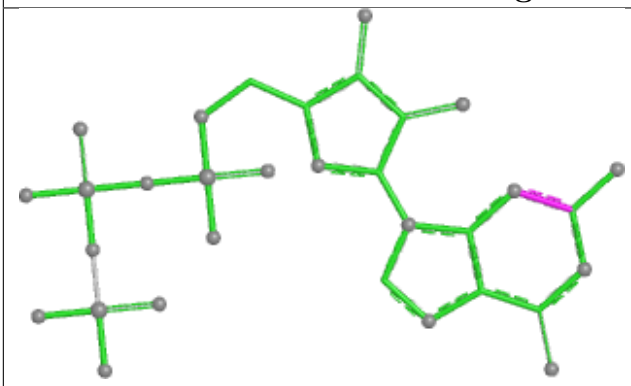


Torsions

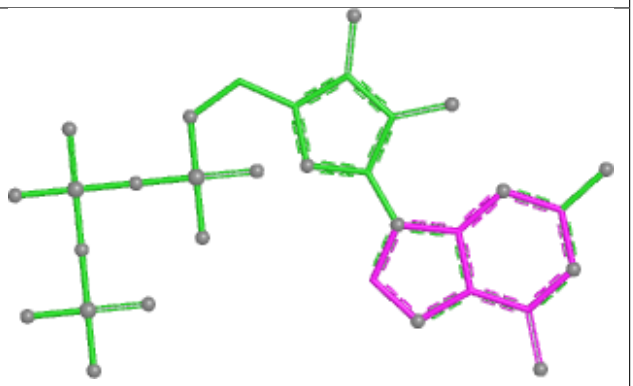


Rings

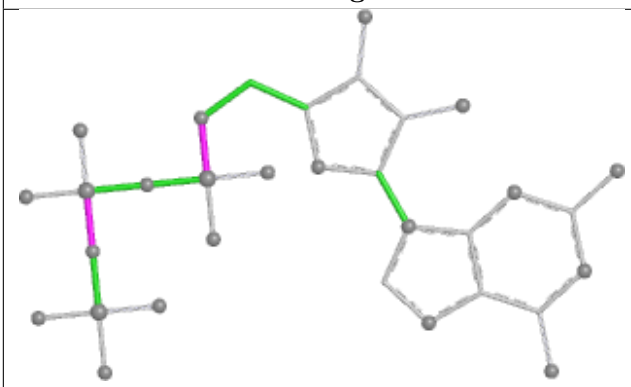
Ligand GTP IK 602



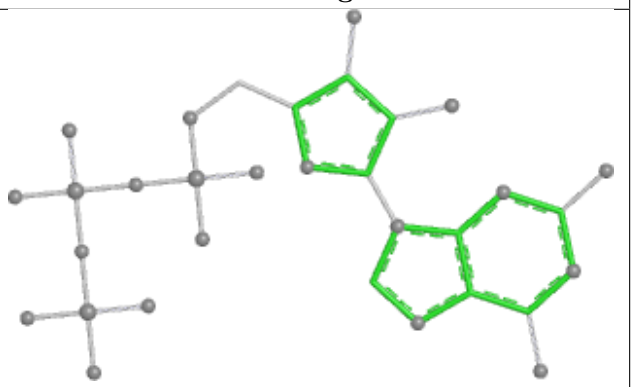
Bond lengths



Bond angles

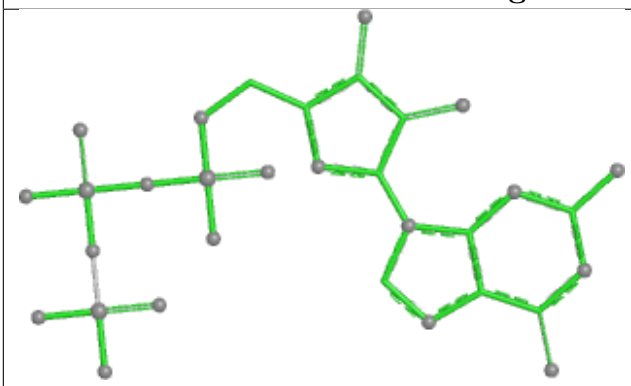


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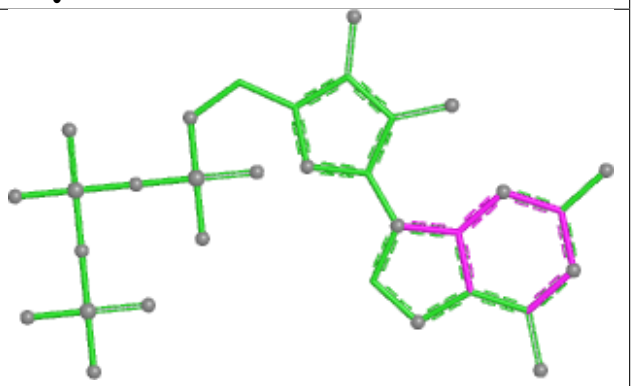


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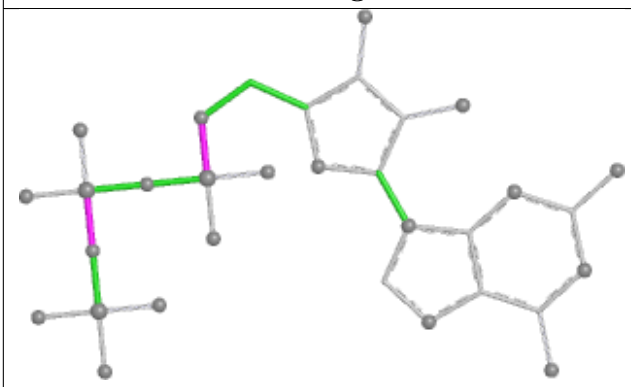
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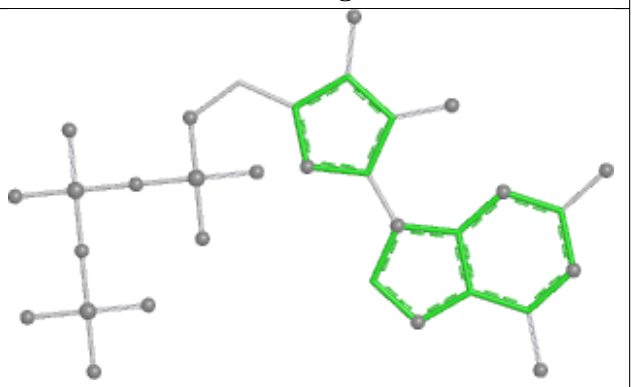
Bond lengths



Bond angles

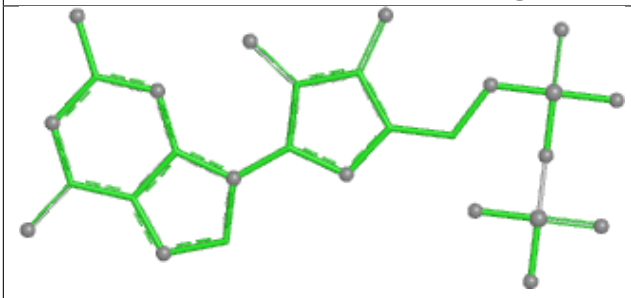


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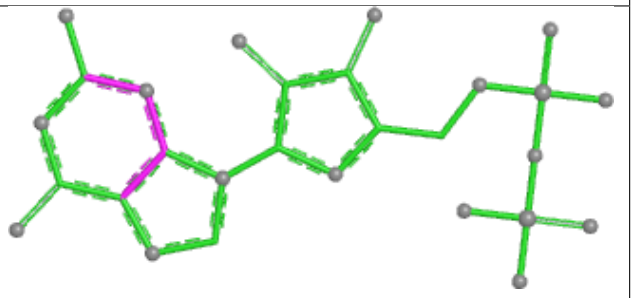


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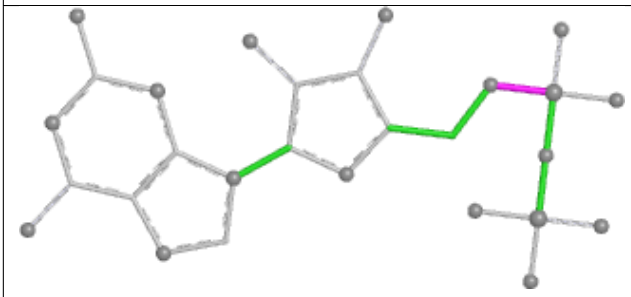
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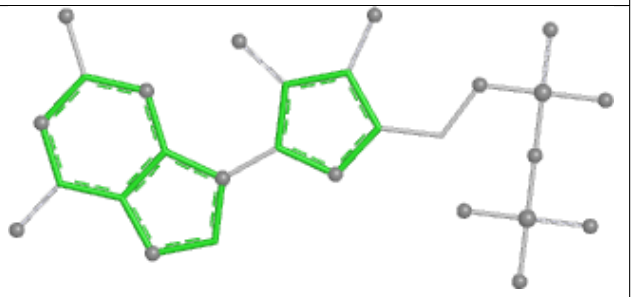
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Bond angles

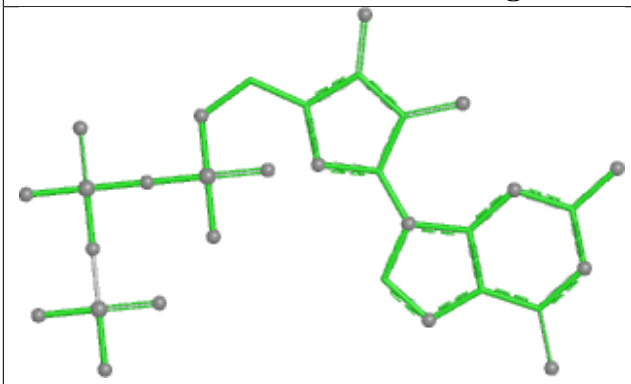


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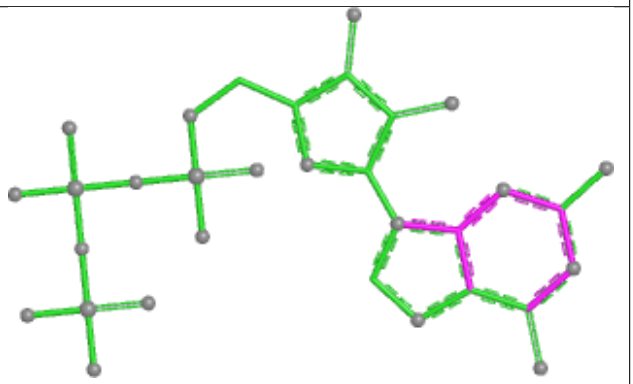


Rings

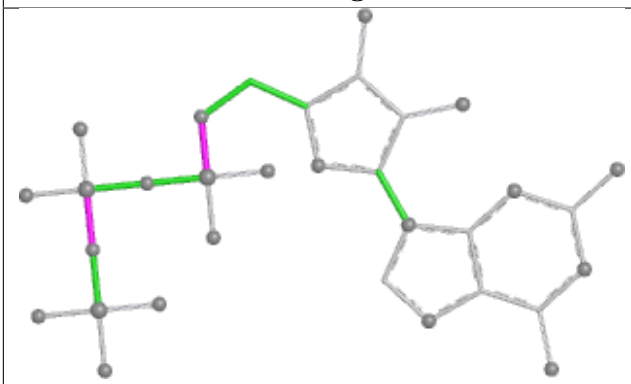
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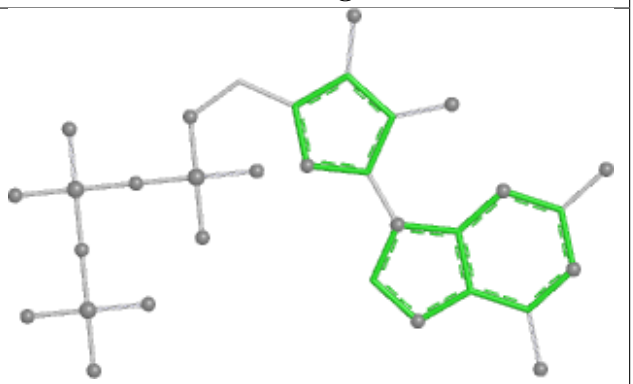
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Bond angles

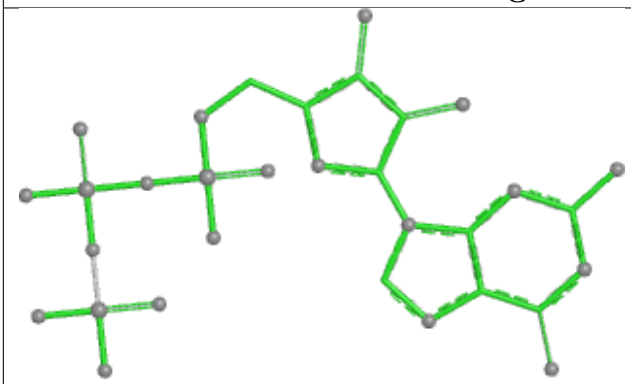


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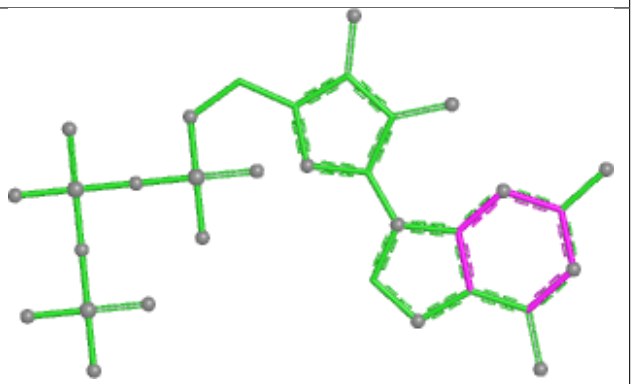


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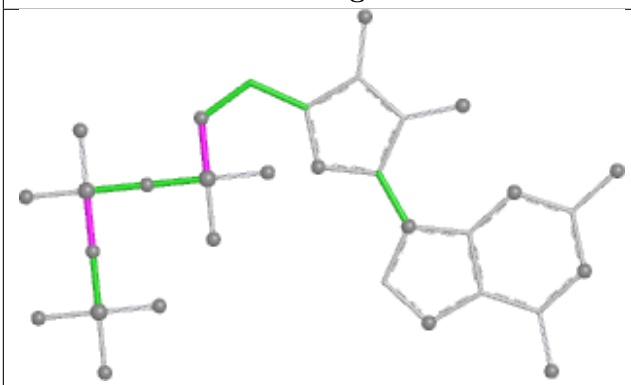
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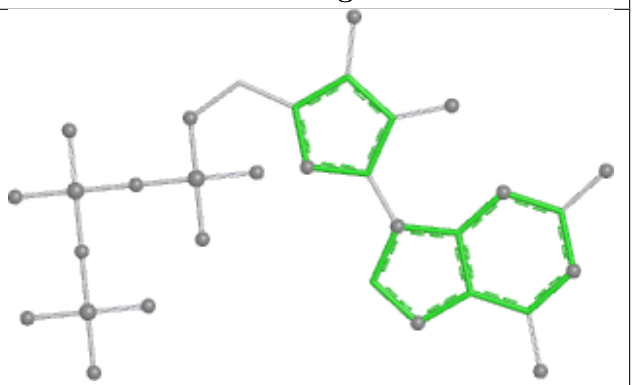
Bond lengths



Bond angles

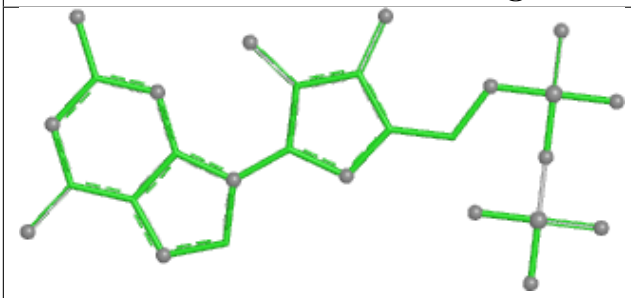


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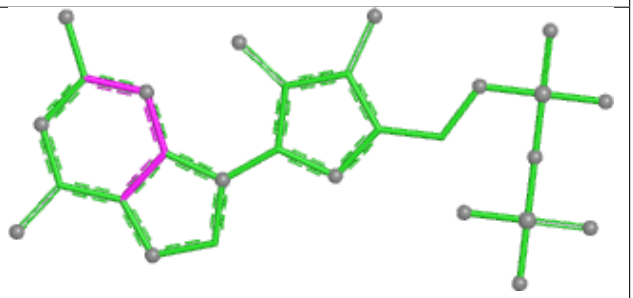


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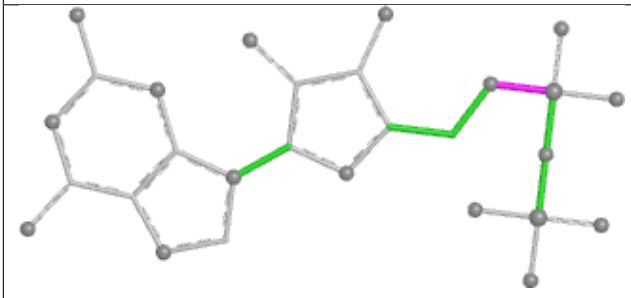
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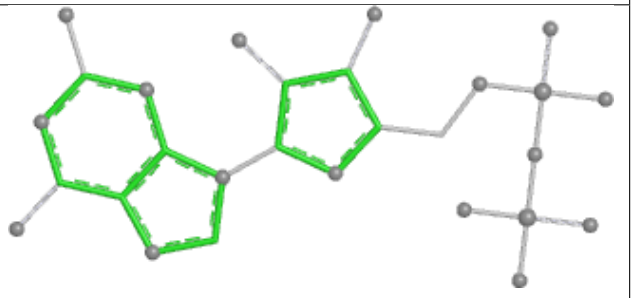
Bond lengths



Bond angles

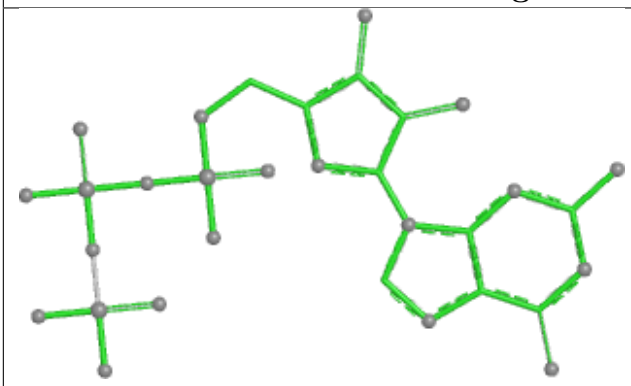


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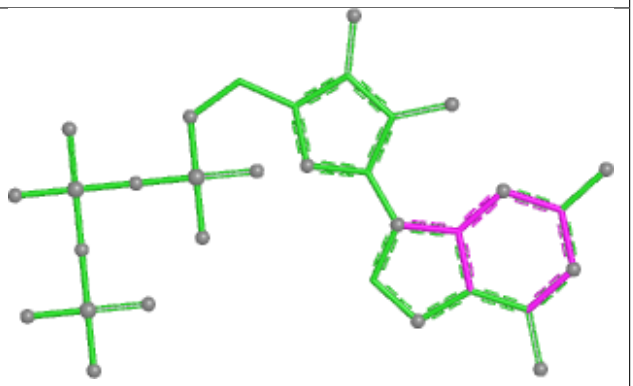


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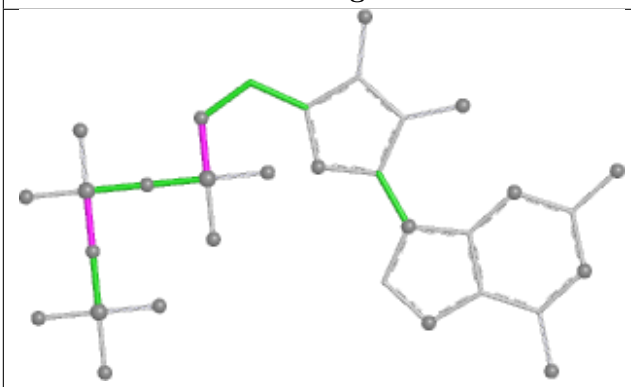
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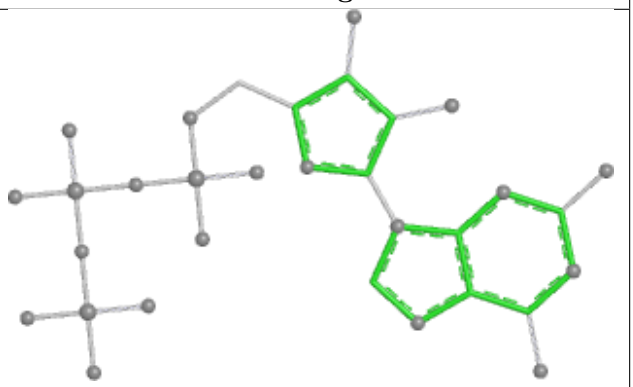
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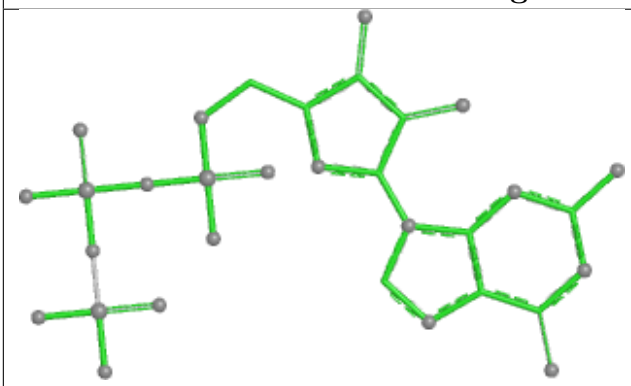


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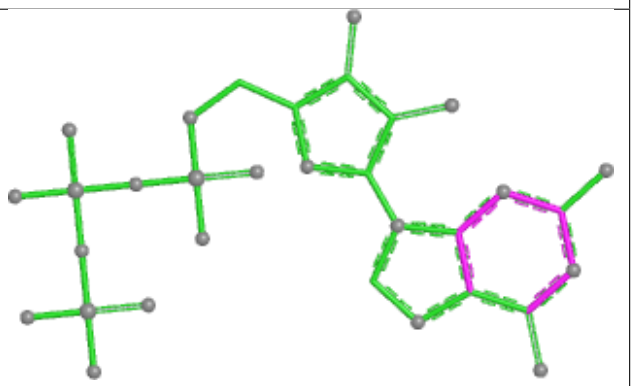


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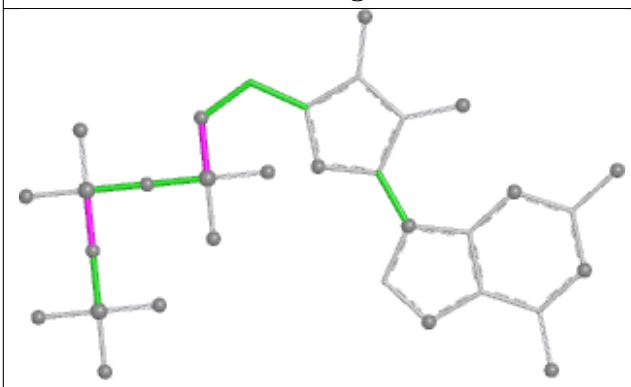
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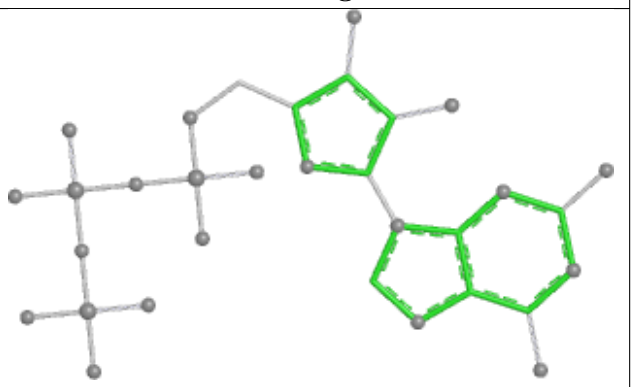
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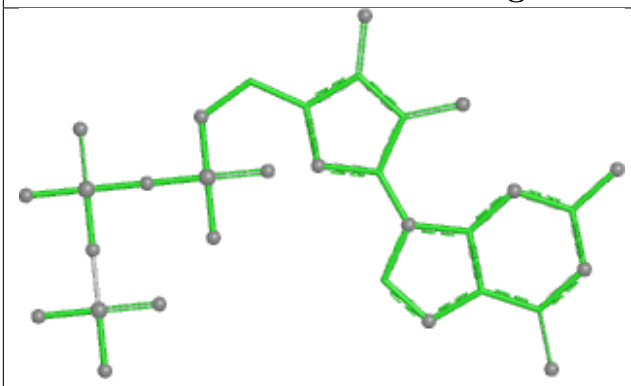


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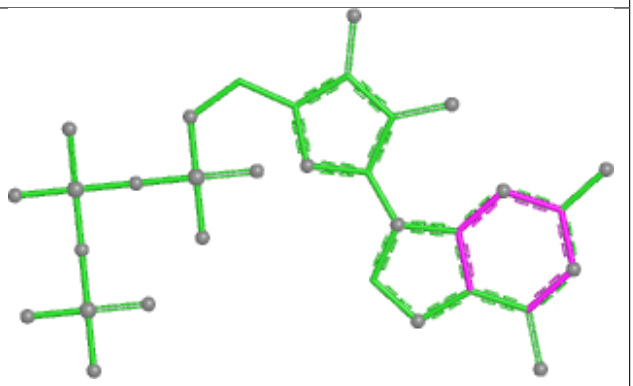


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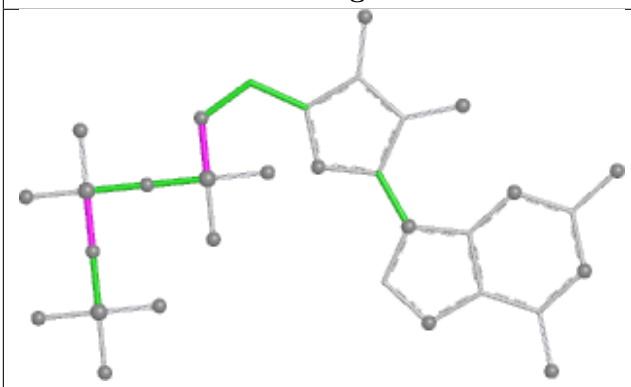
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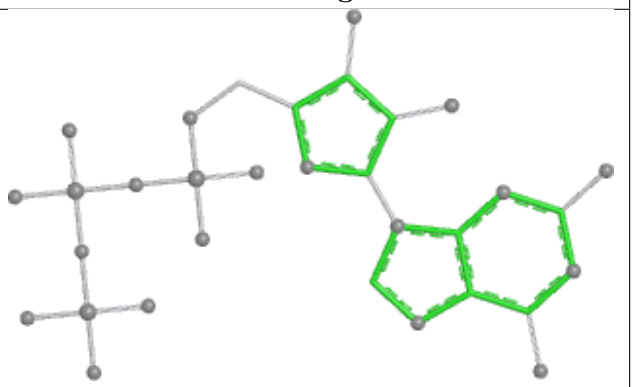
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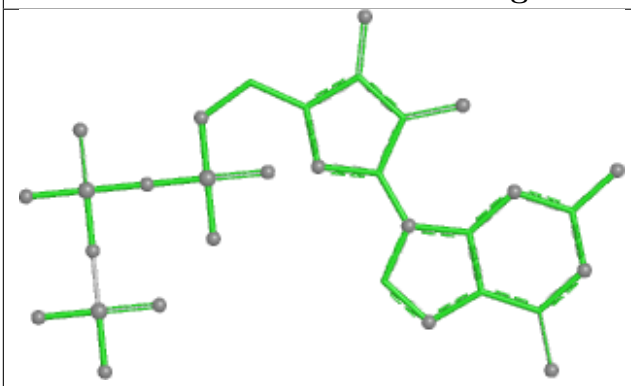


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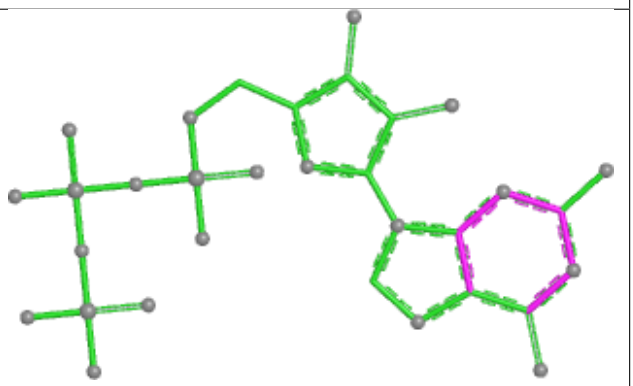


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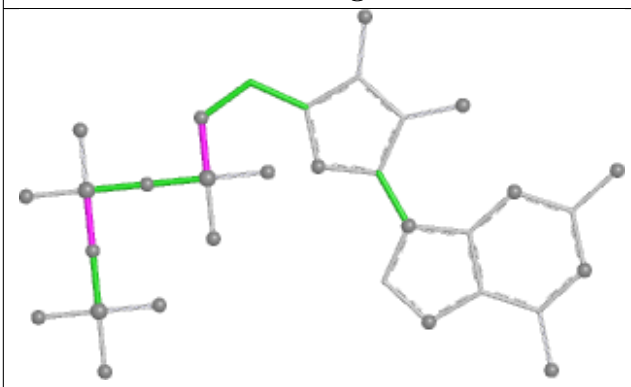
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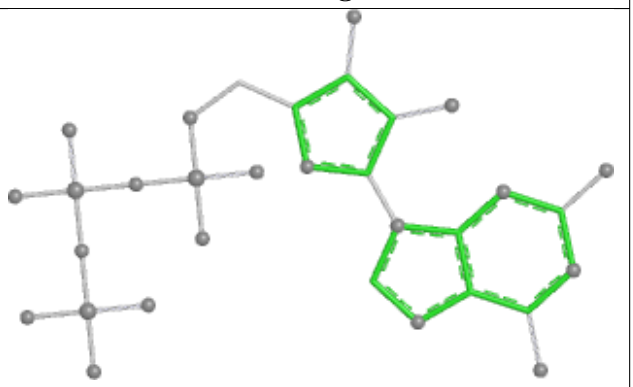
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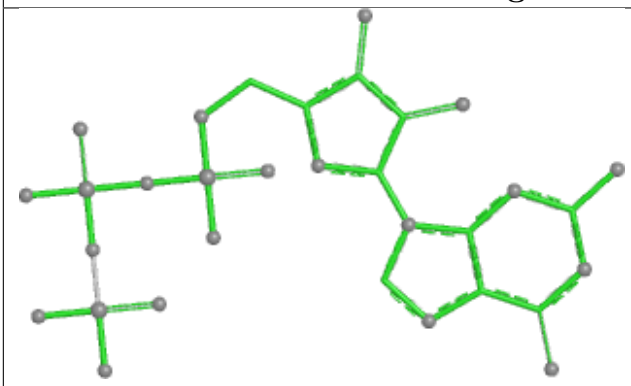


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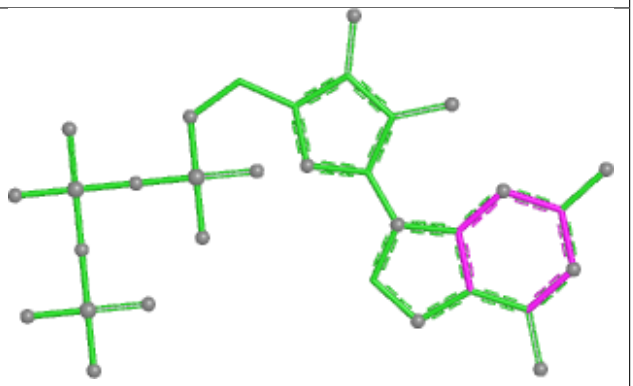


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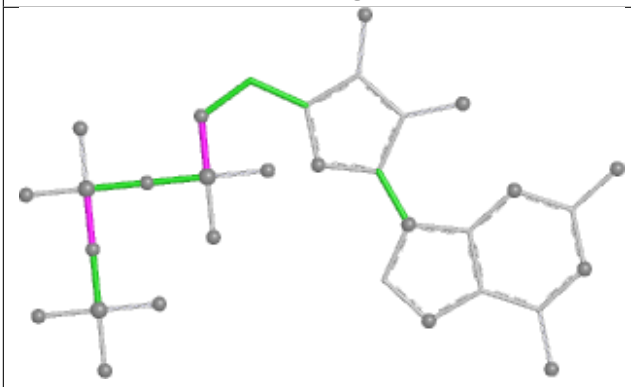
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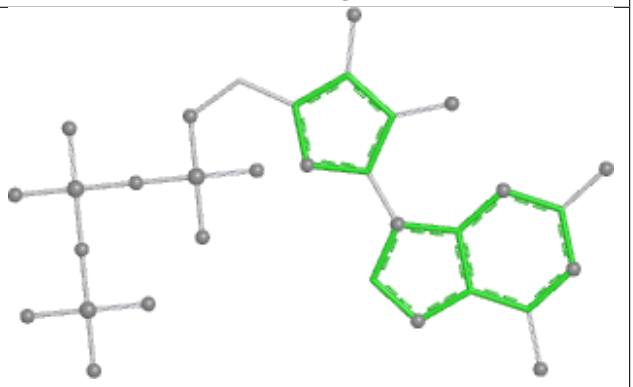
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Bond angles

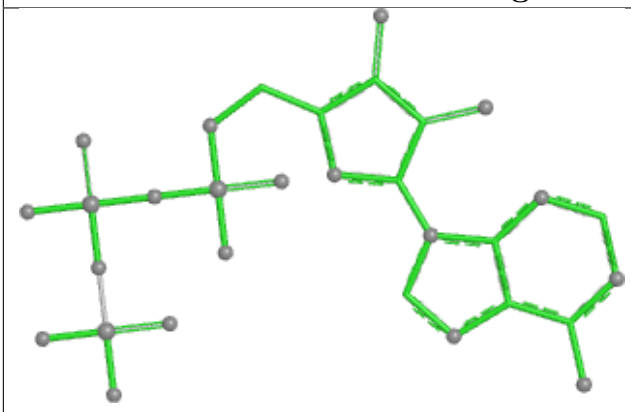


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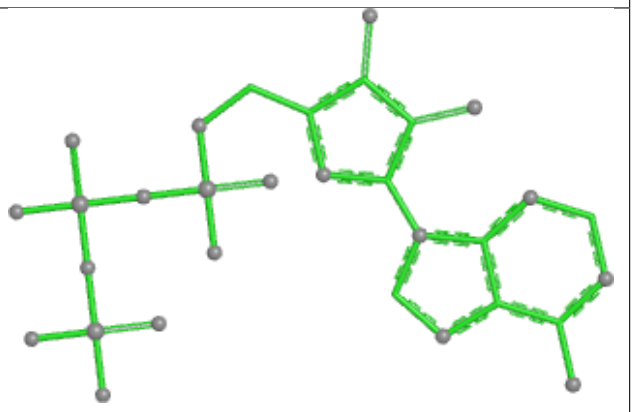


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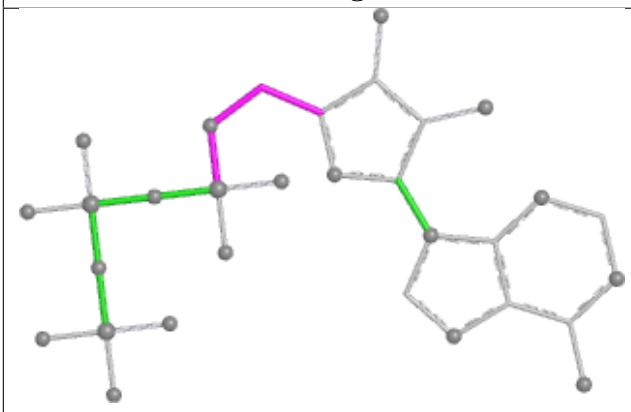
Ligand ATP 7e 4702



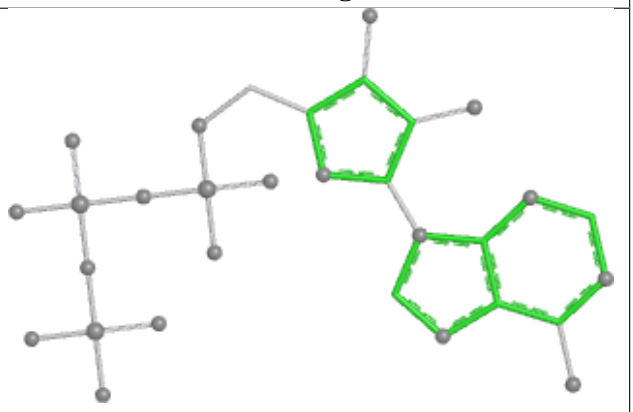
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Bond angles

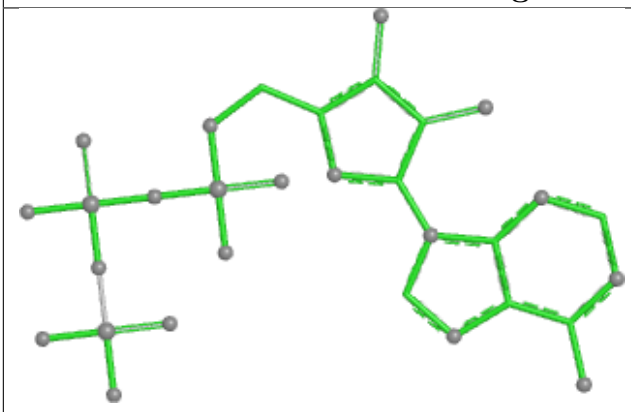


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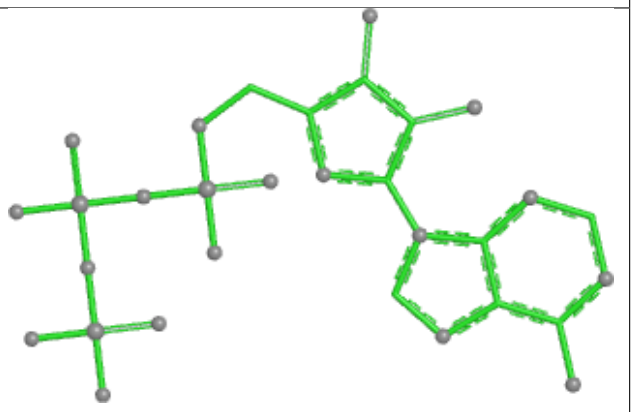


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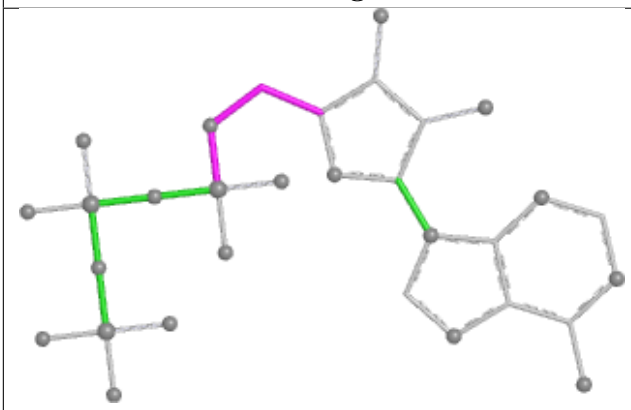
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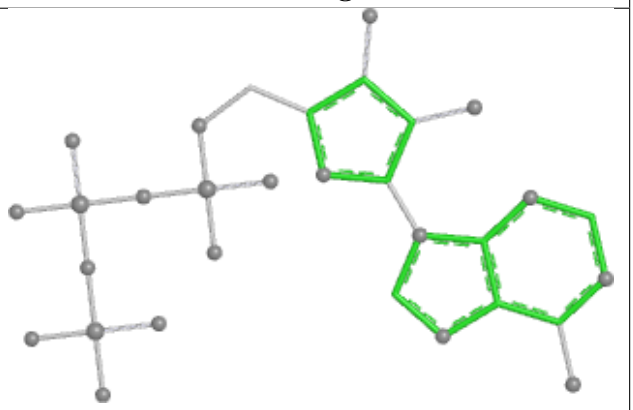
Bond lengths



Bond angles

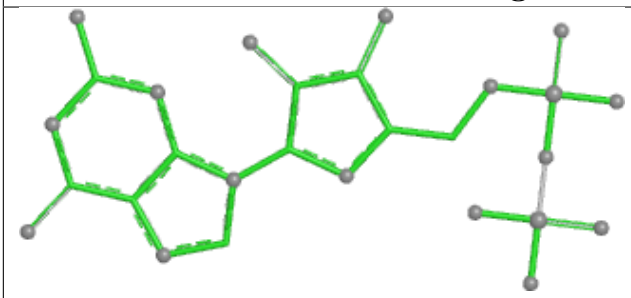


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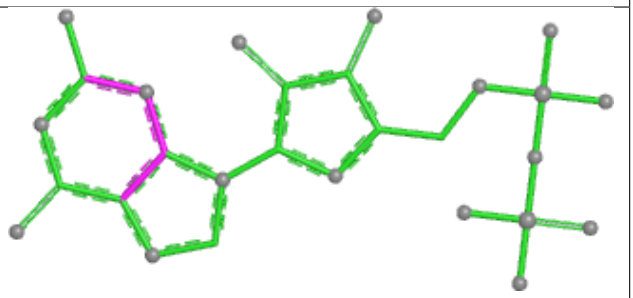


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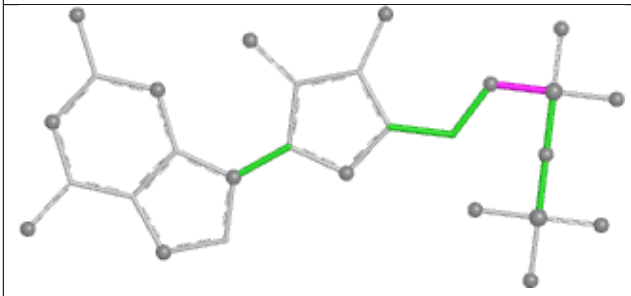
Ligand GDP YF 501



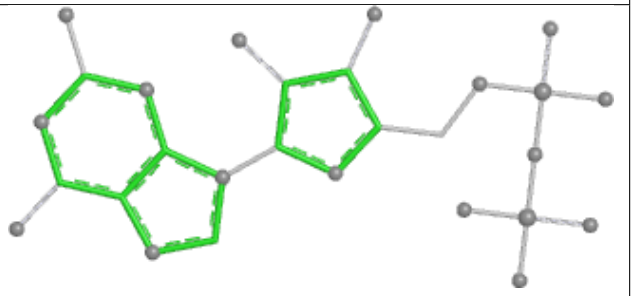
Bond lengths



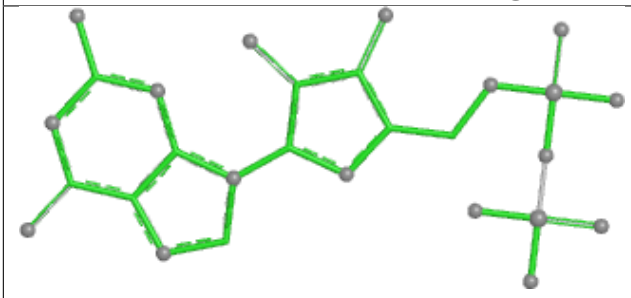
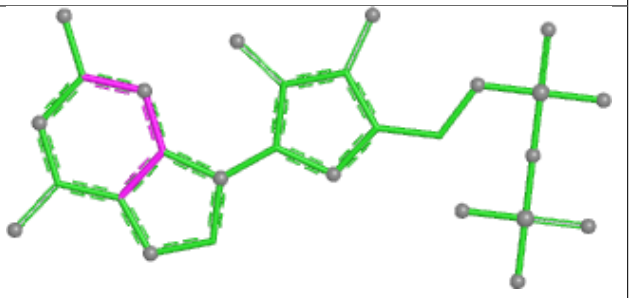
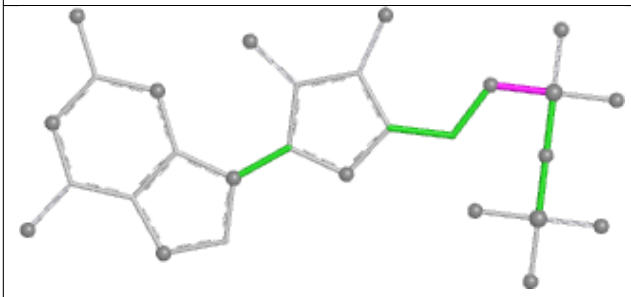
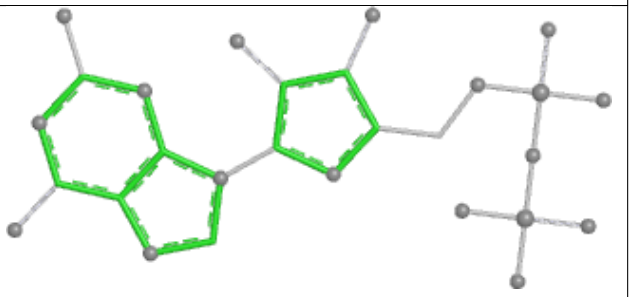
Bond angles

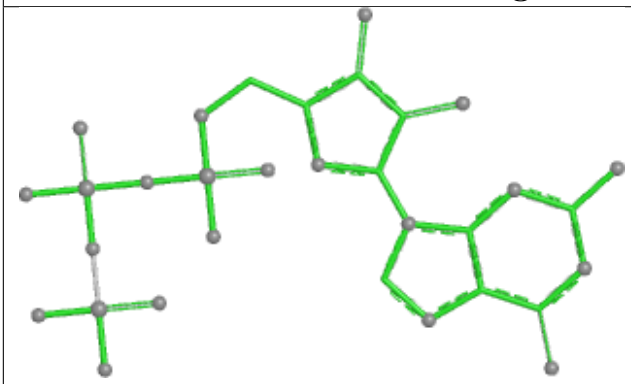
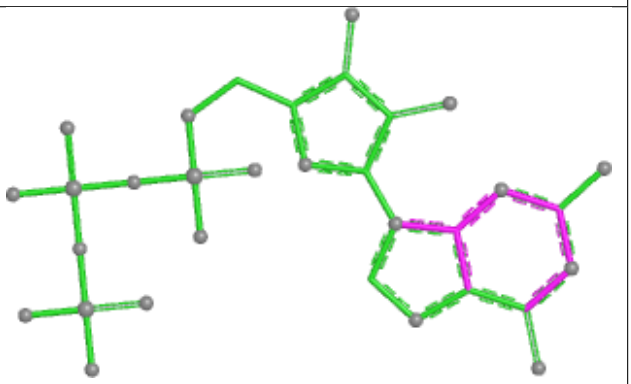
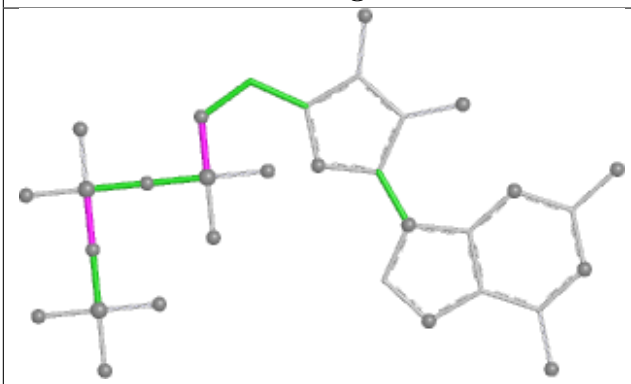
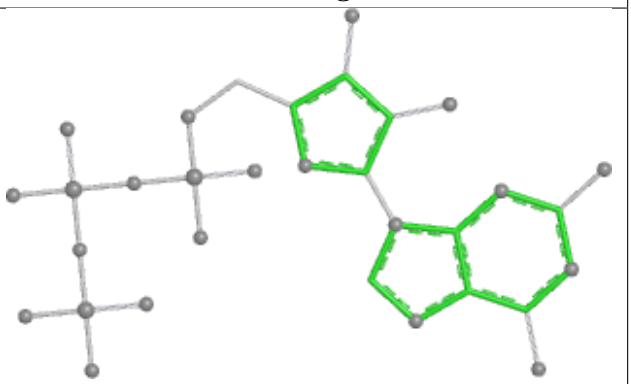


Torsions

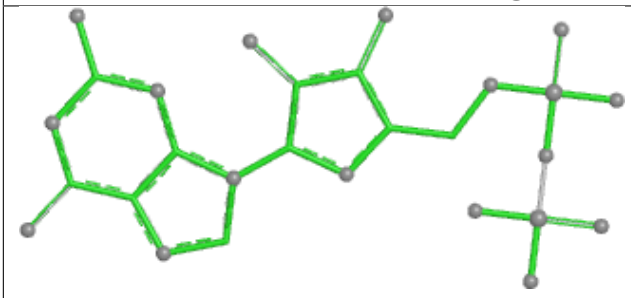


Rings

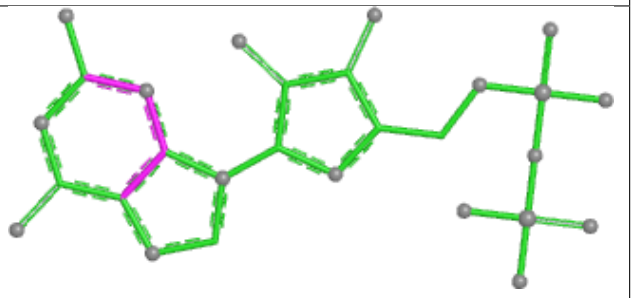
Ligand GDP YU 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP An 602	
 Bond lengths	 Bond angles
 Torsions	 Rings

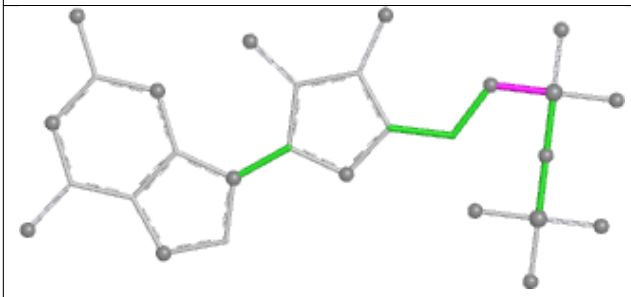
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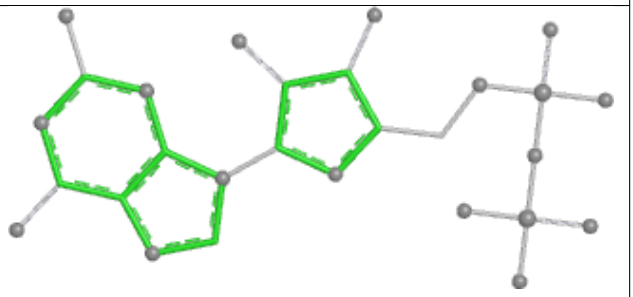
Bond lengths



Bond angles

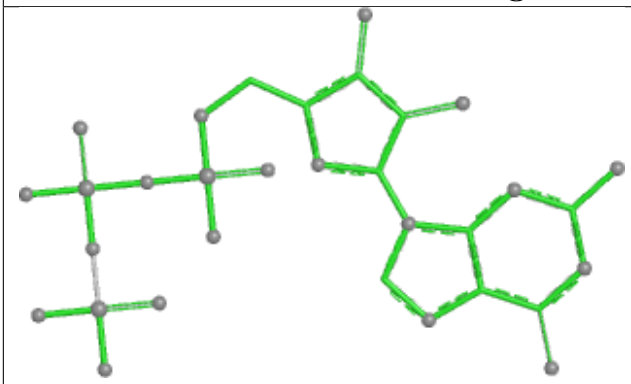


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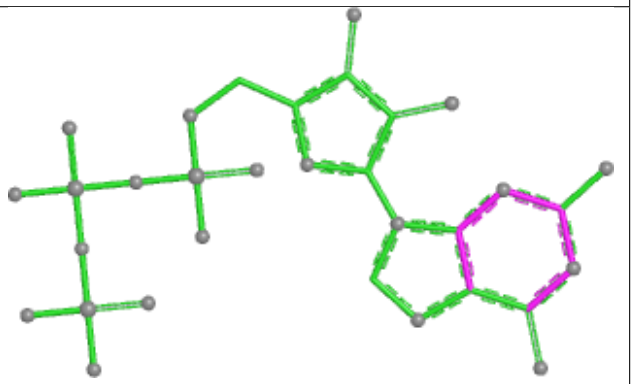


Rings

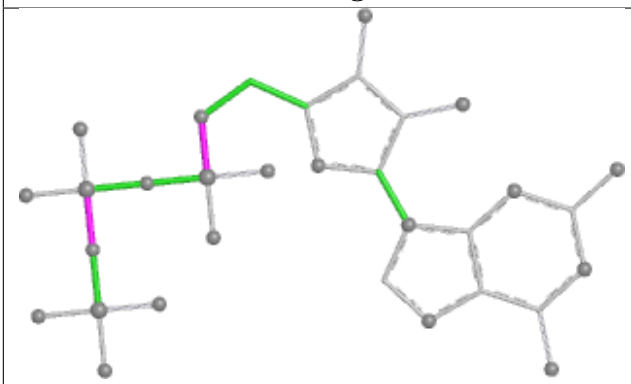
Ligand GTP GK 602



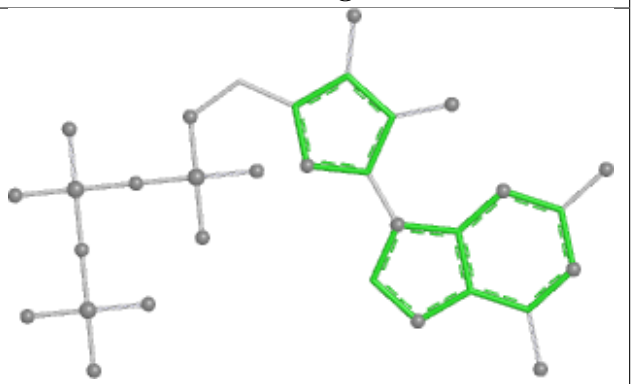
Bond lengths



Bond angles

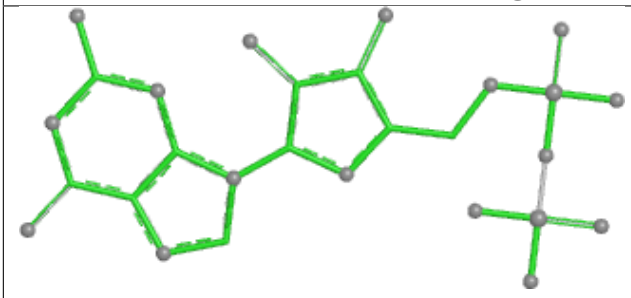


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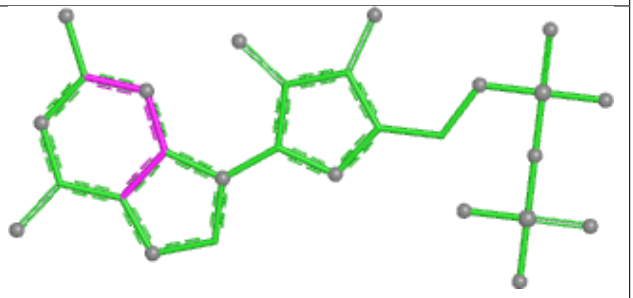


Rings

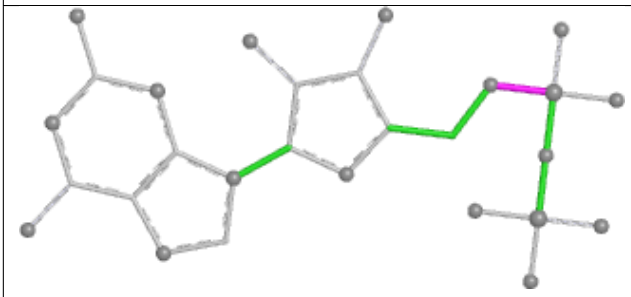
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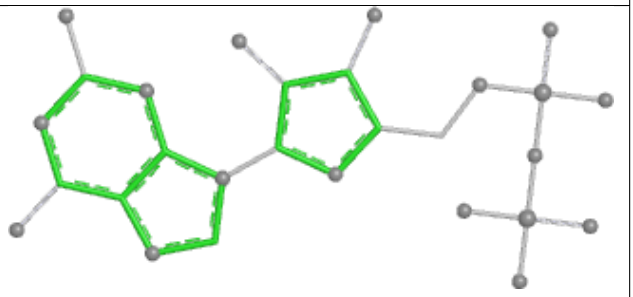
Bond lengths



Bond angles

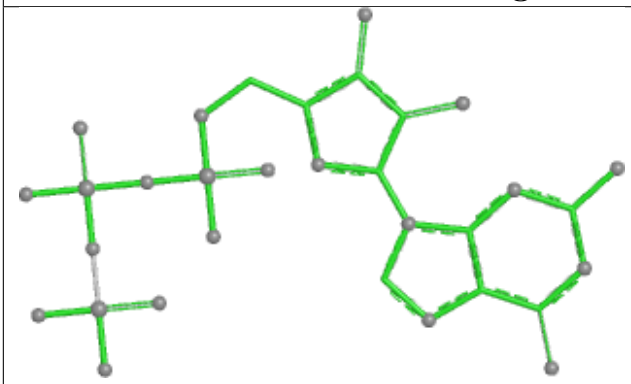


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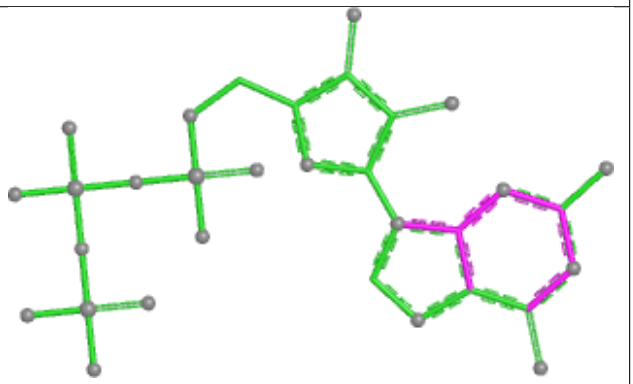


Rings

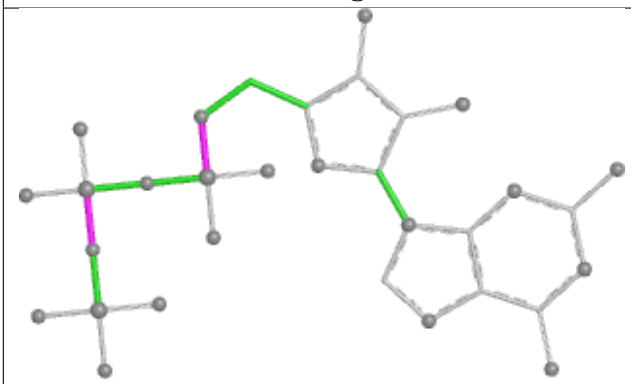
Ligand GTP ZB 501



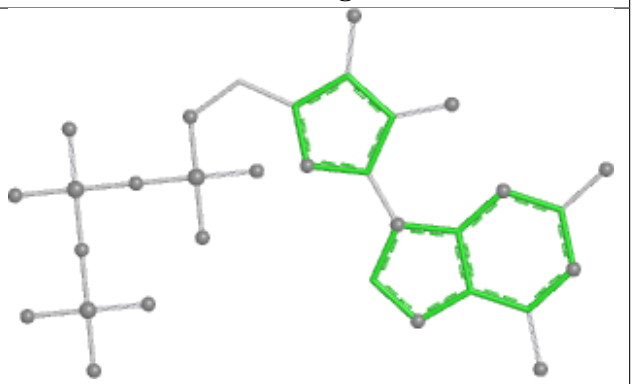
Bond lengths



Bond angles

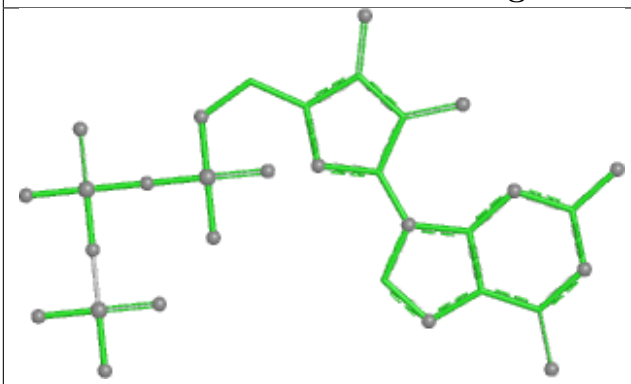


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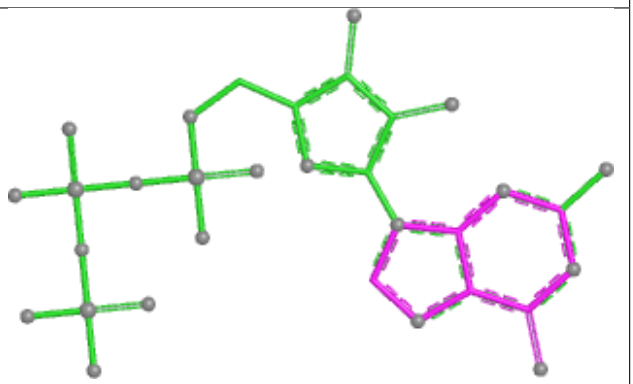


Rings

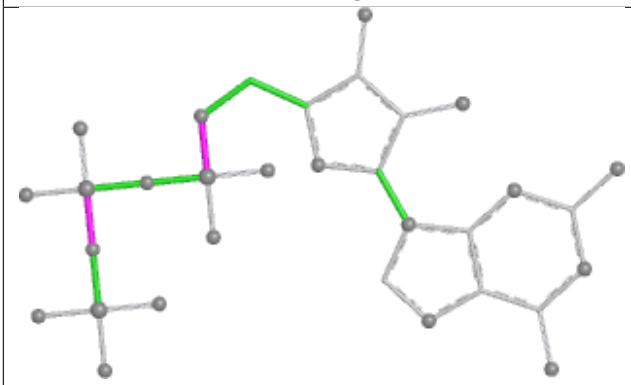
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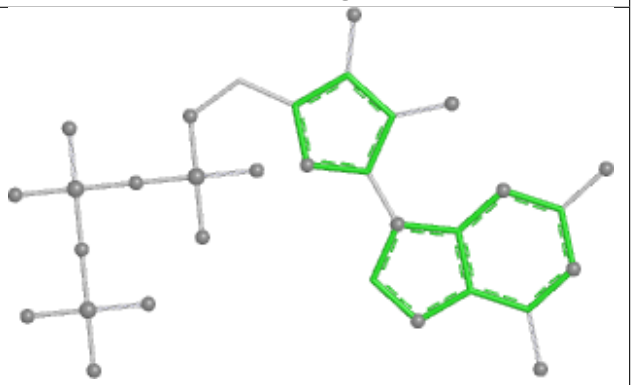
Bond lengths



Bond angles

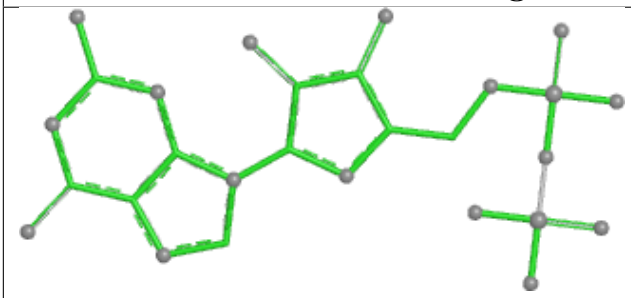


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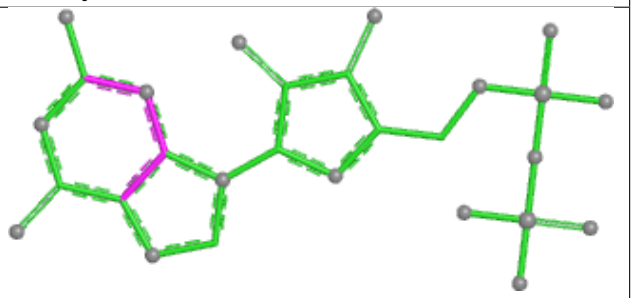


Rings

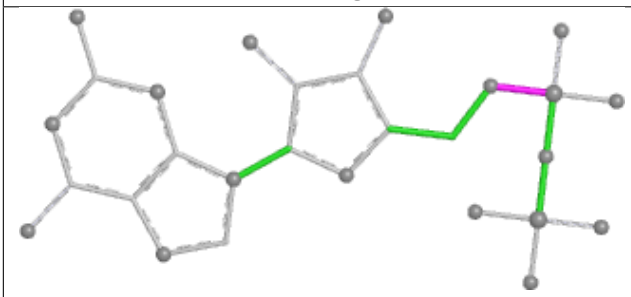
Ligand GDP CQ 501



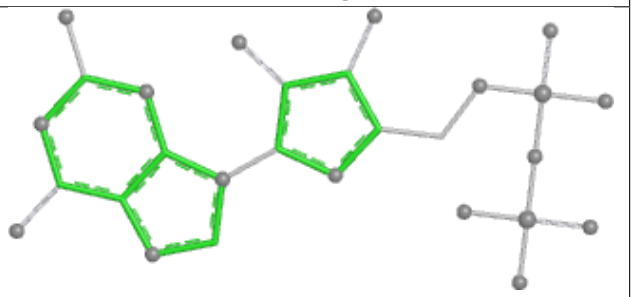
Bond lengths



Bond angles

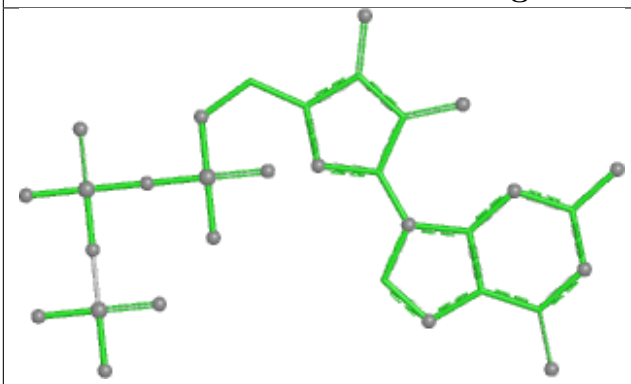


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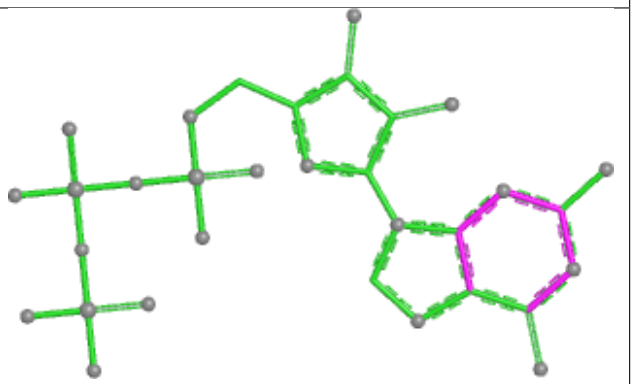


Rings

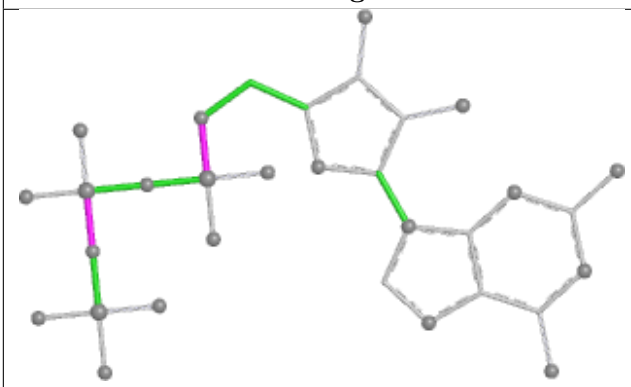
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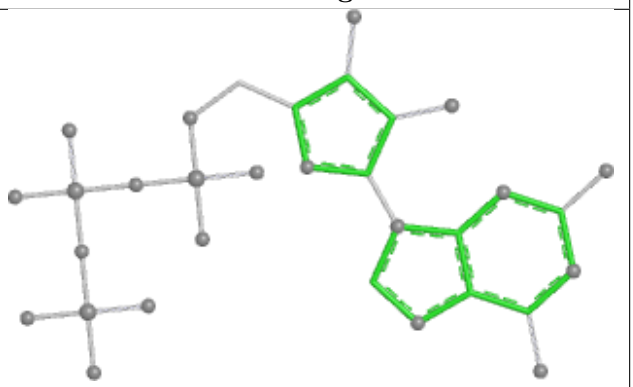
Bond lengths



Bond angles

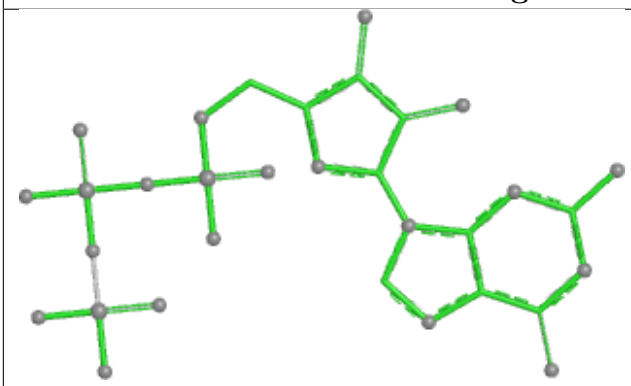


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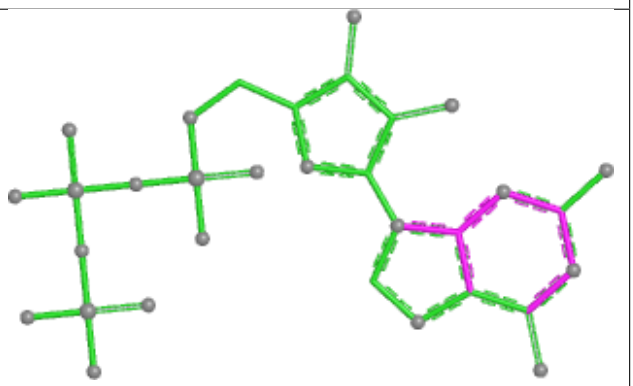


Rings

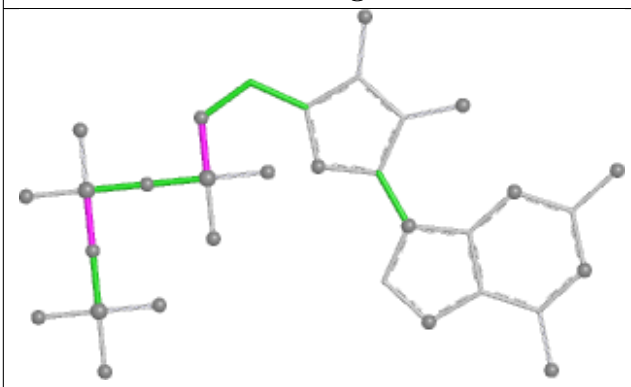
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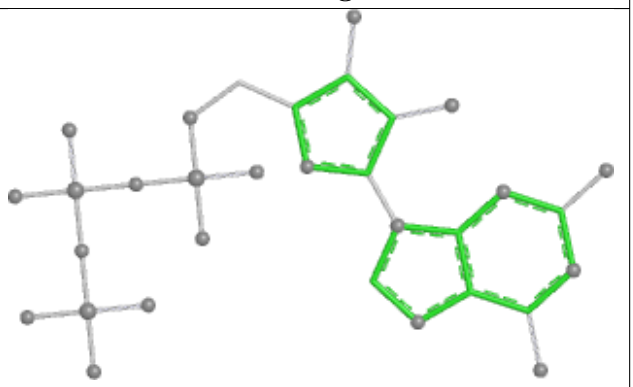
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Bond angles

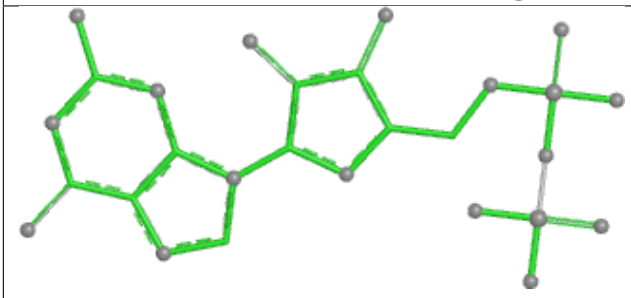


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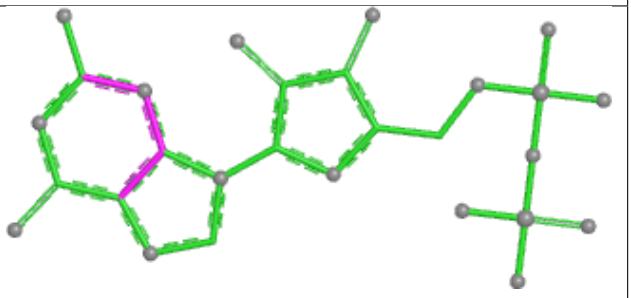


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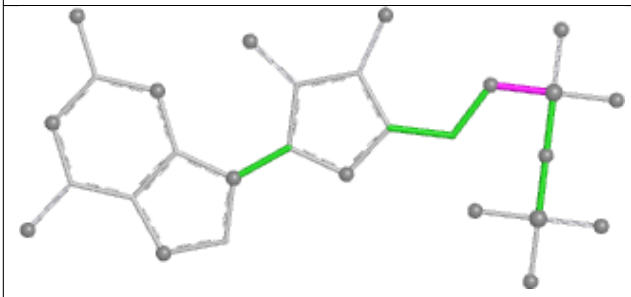
Ligand GDP VZ 501



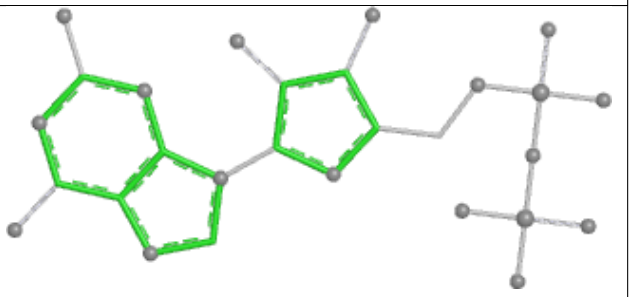
Bond lengths



Bond angles

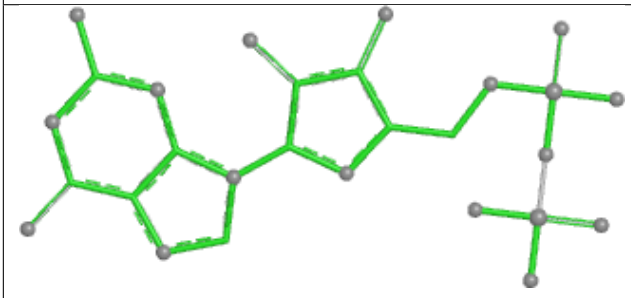


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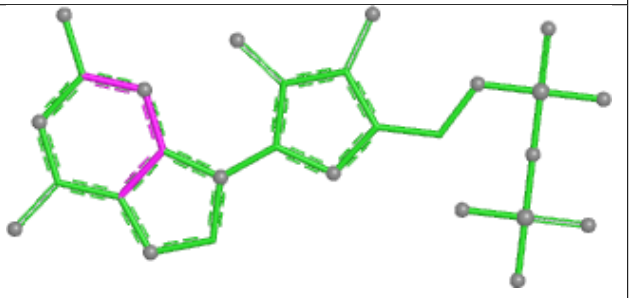


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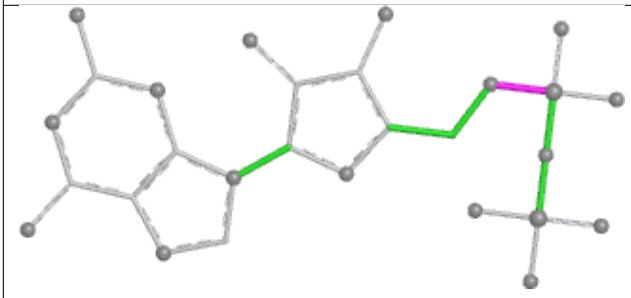
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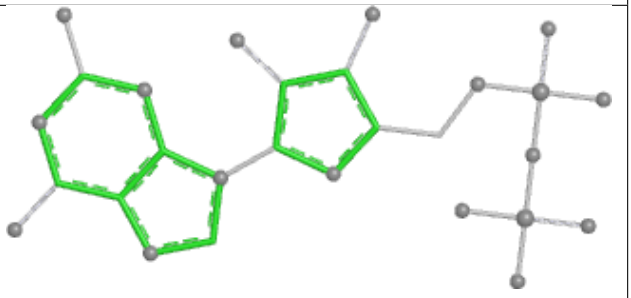
Bond lengths



Bond angles

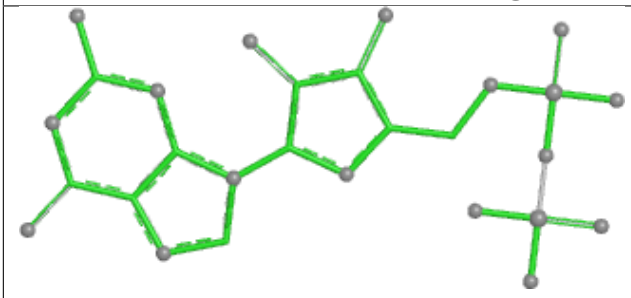


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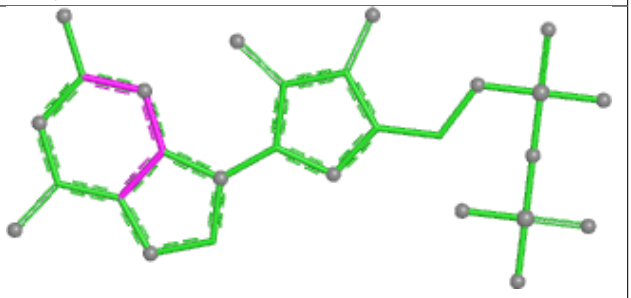


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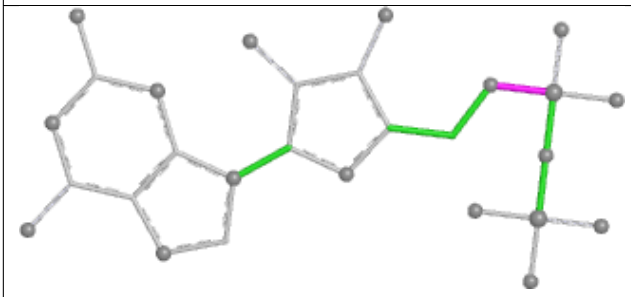
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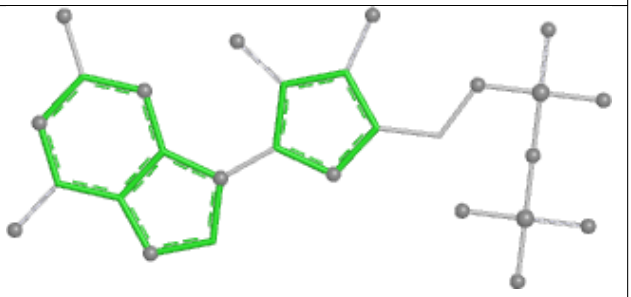
Bond lengths



Bond angles

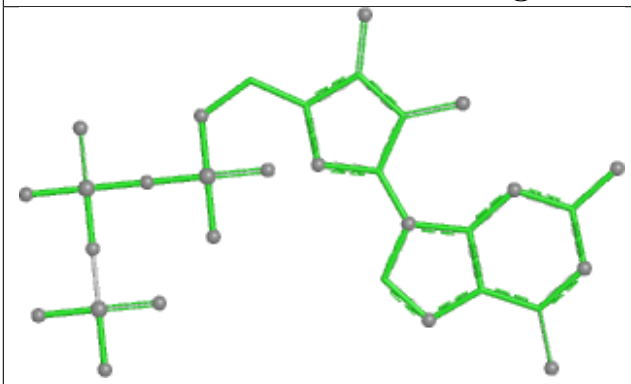


Torsions

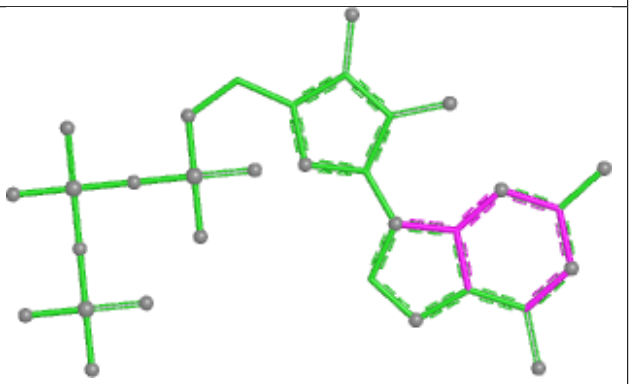


Rings

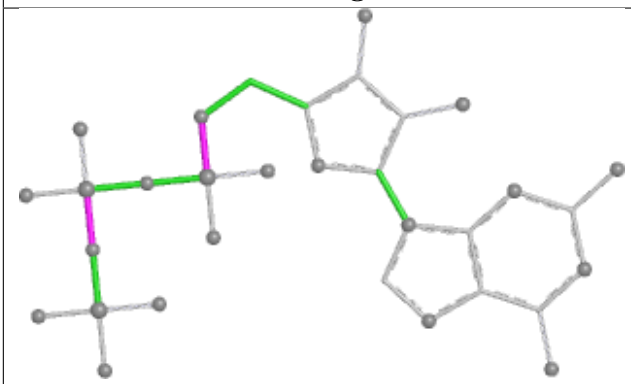
Ligand GTP ZT 602



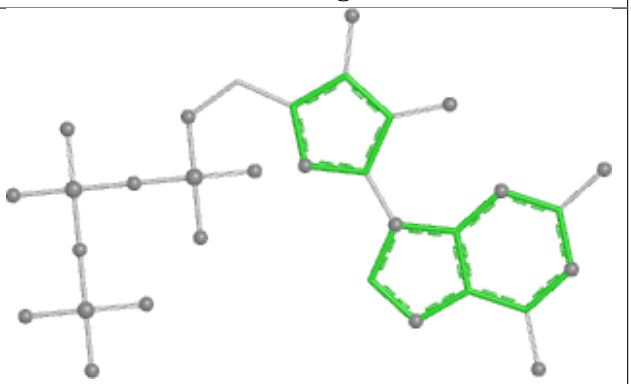
Bond lengths



Bond angles

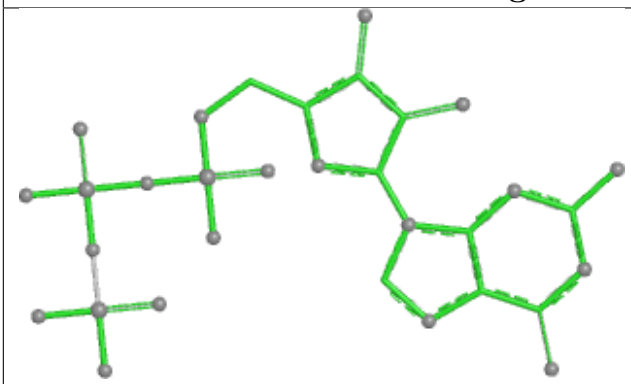


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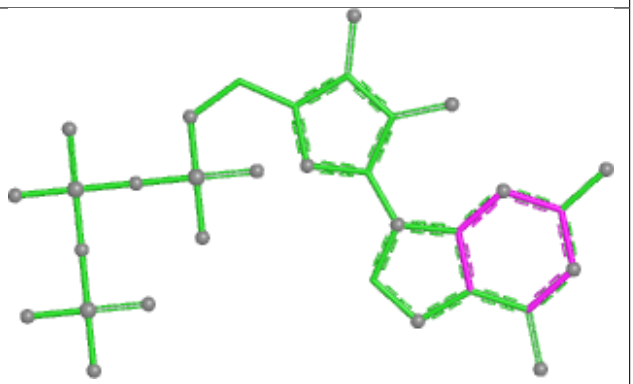


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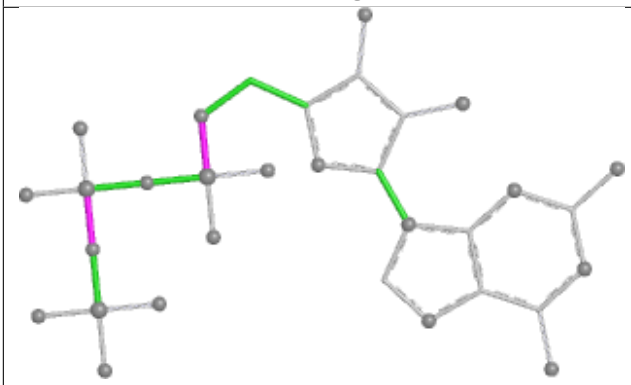
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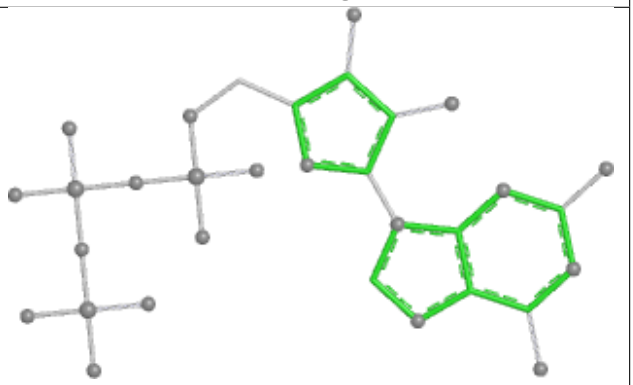
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Bond angles

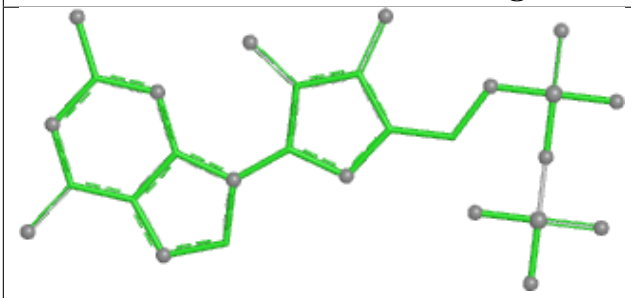


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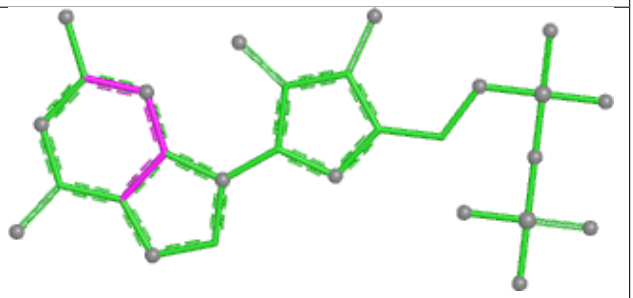


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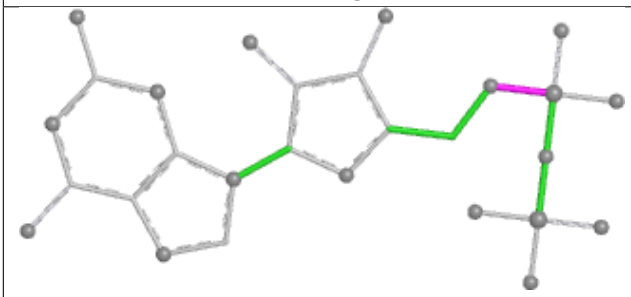
Ligand GDP XT 501



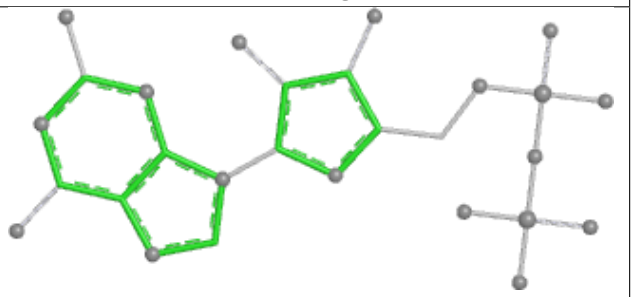
Bond lengths



Bond angles

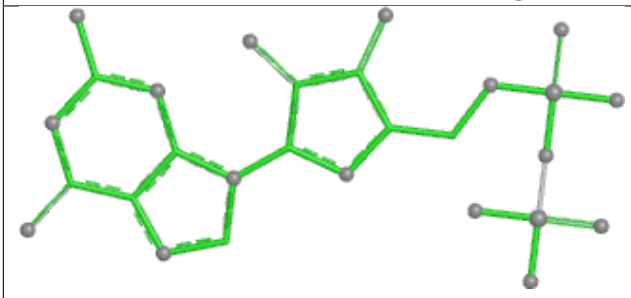


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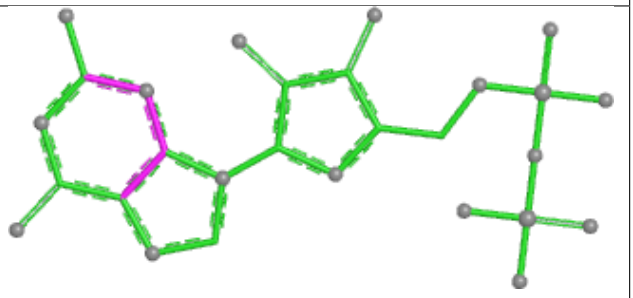


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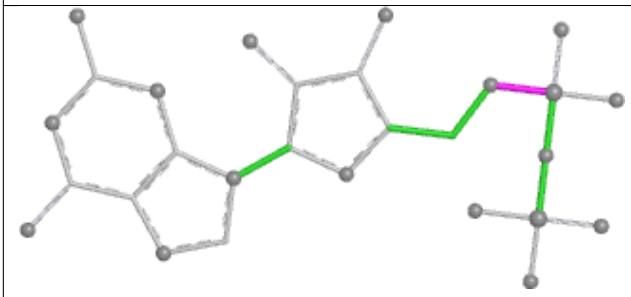
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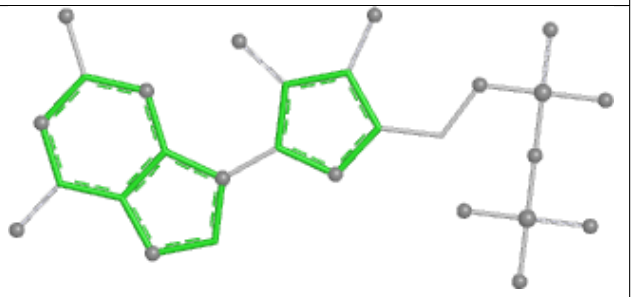
Bond lengths



Bond angles

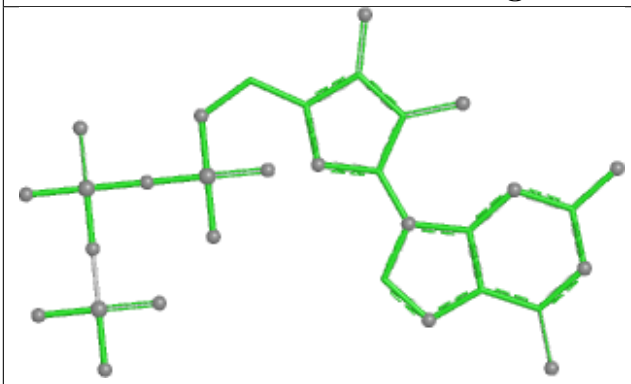


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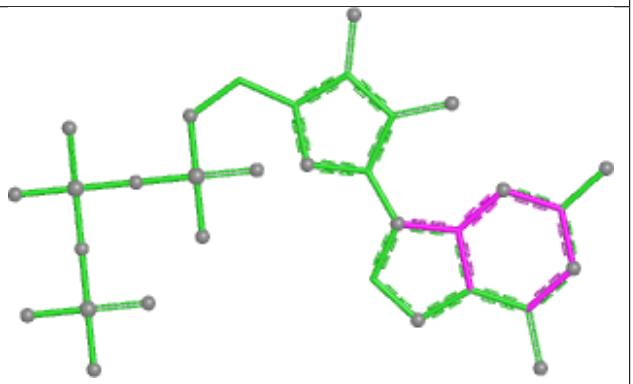


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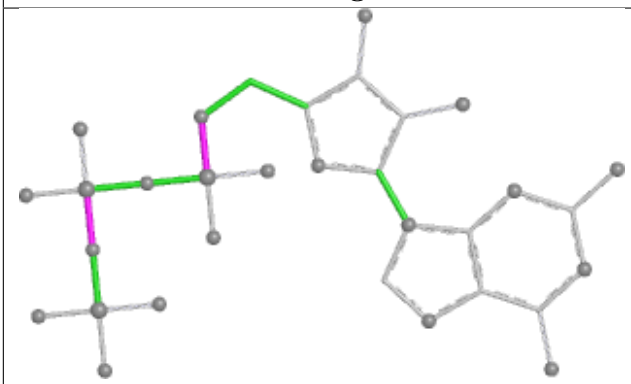
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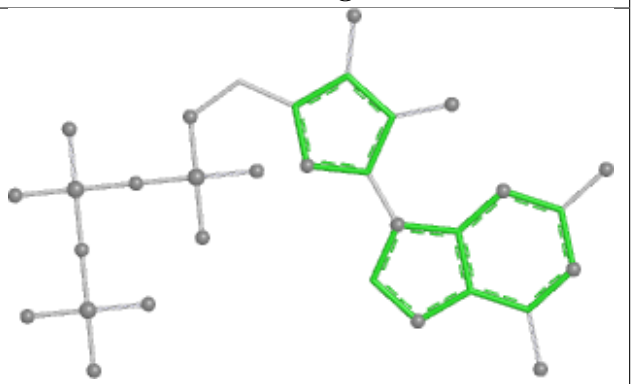
Bond lengths



Bond angles

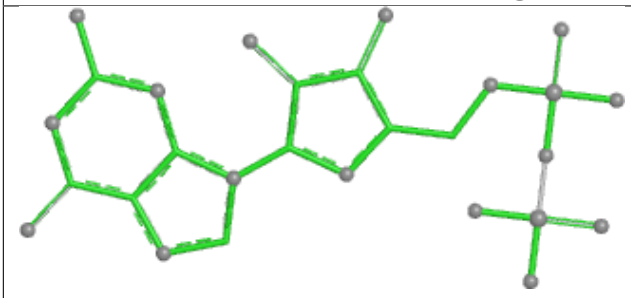


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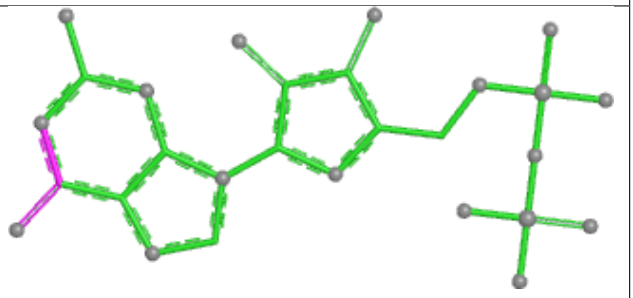


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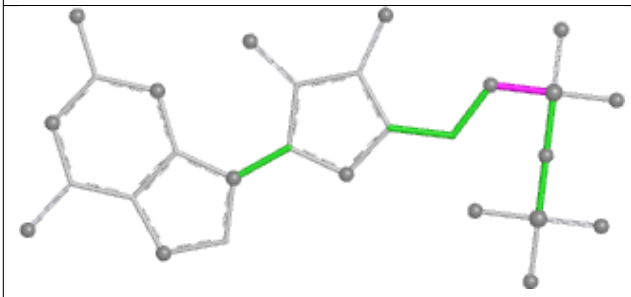
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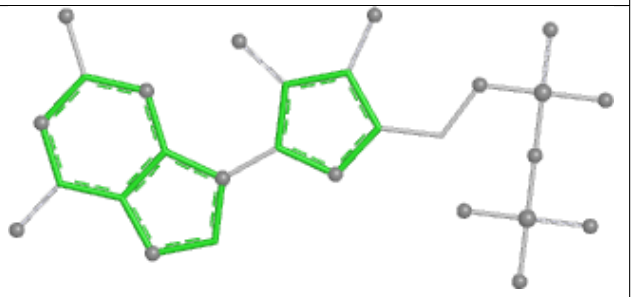
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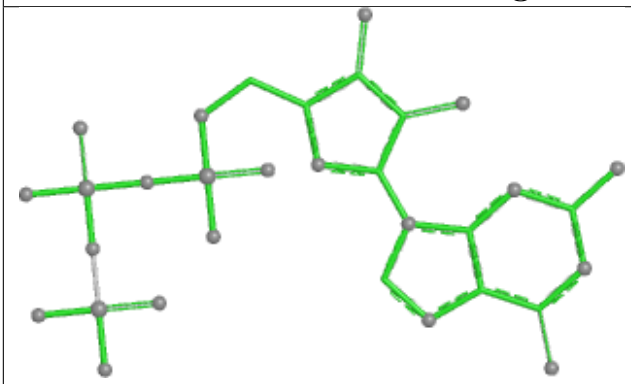


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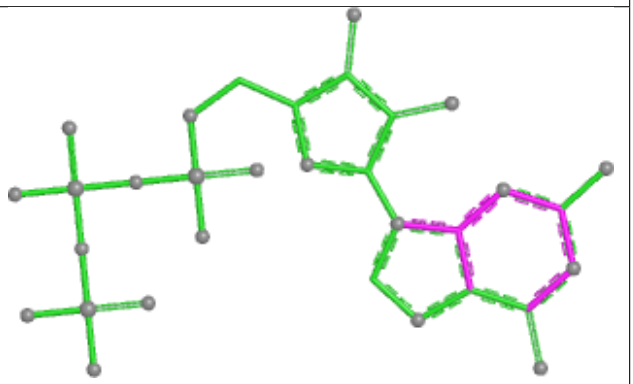


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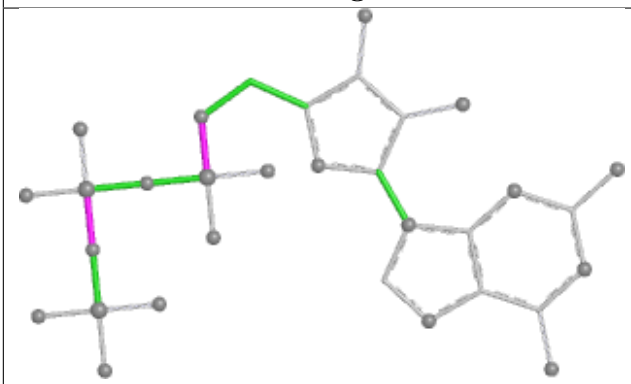
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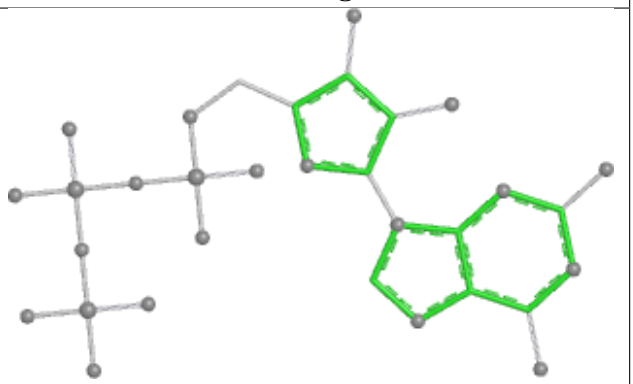
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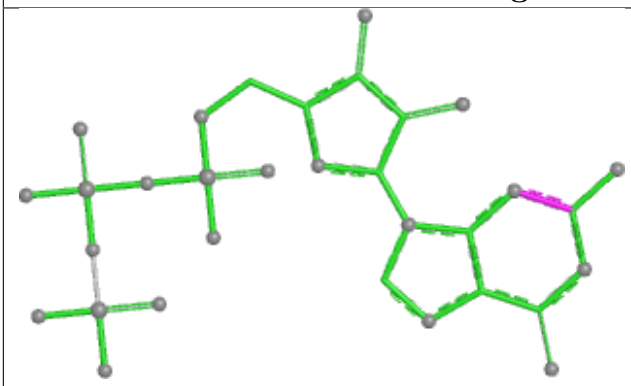


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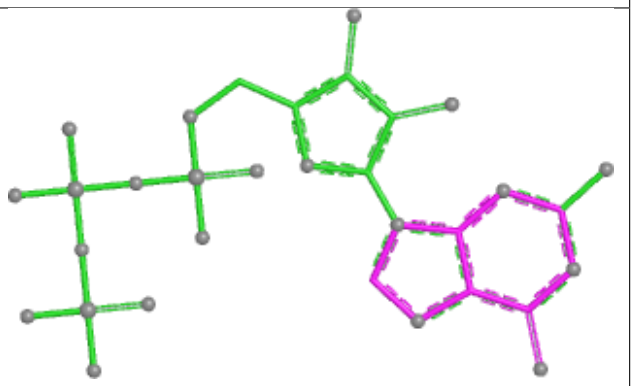


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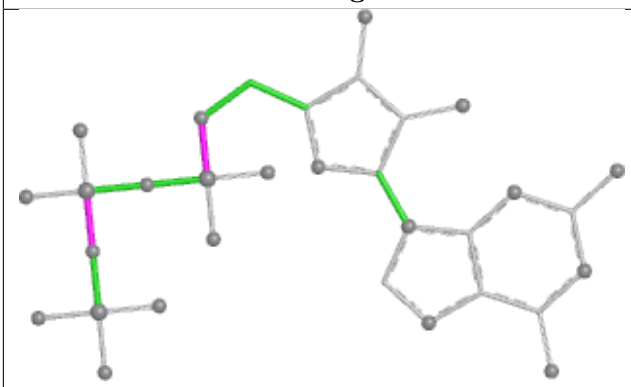
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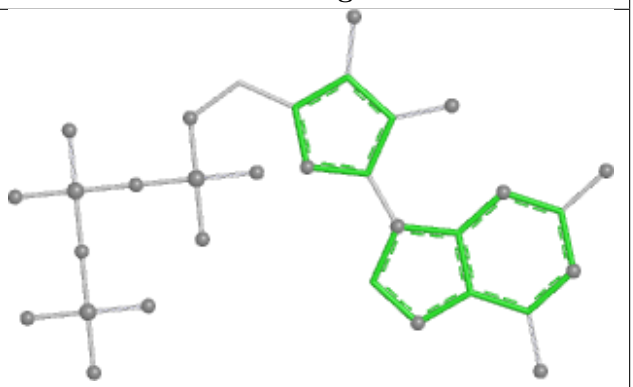
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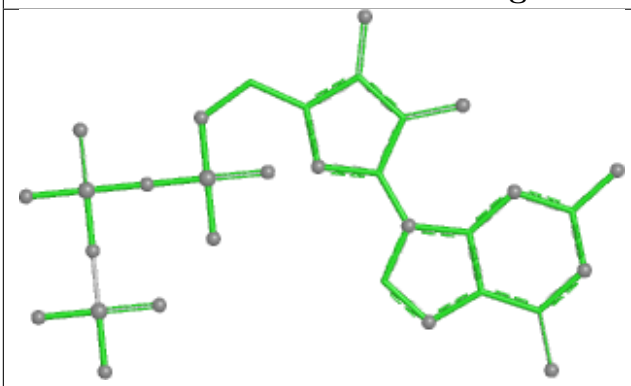


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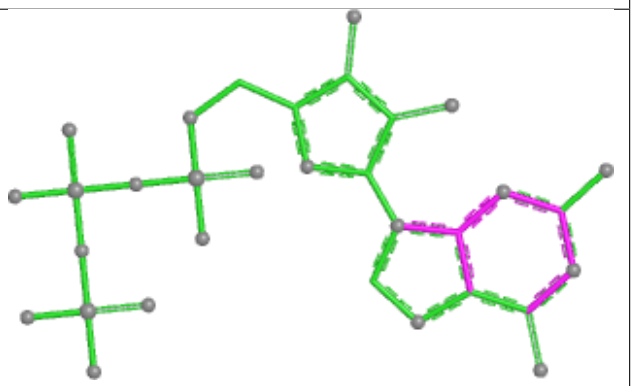


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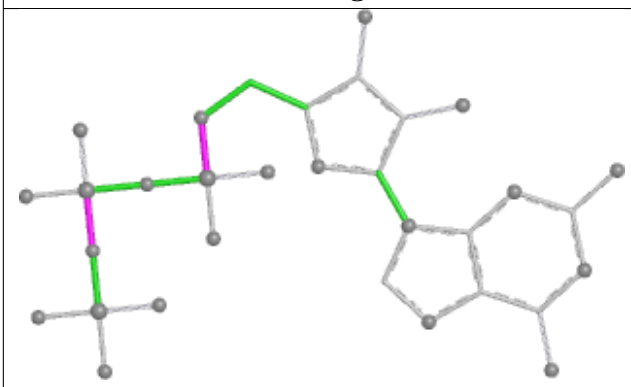
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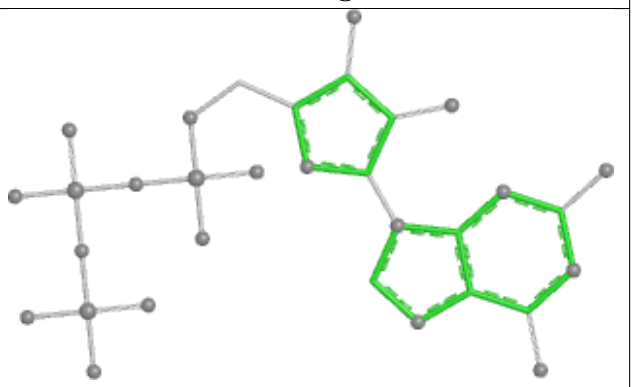
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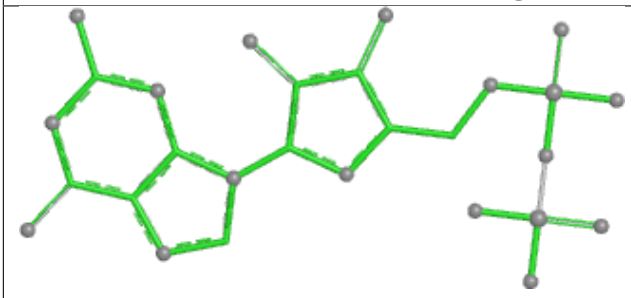


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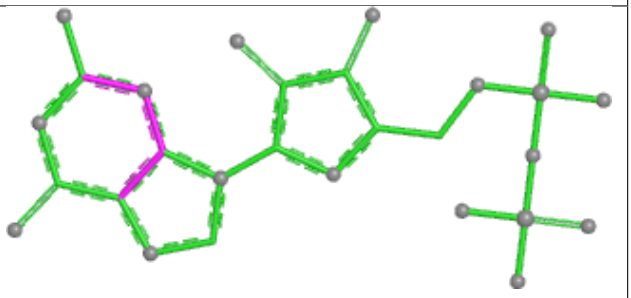


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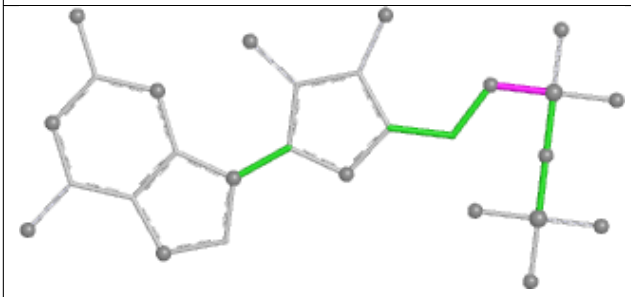
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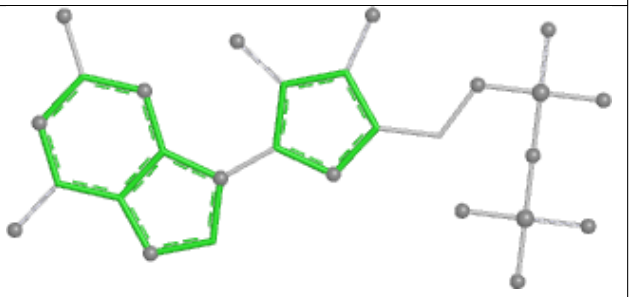
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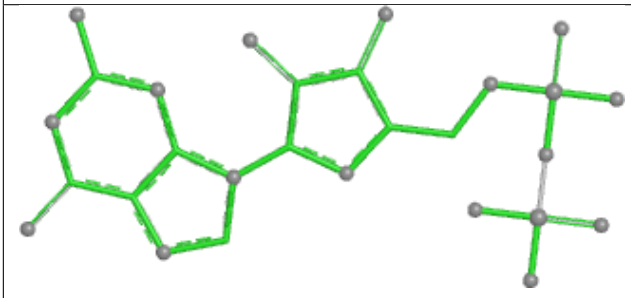


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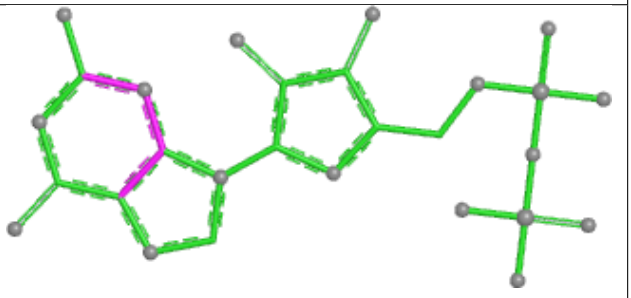


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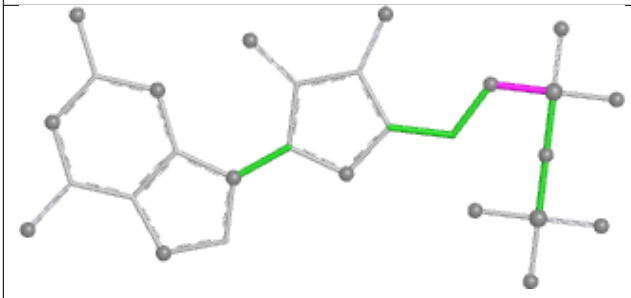
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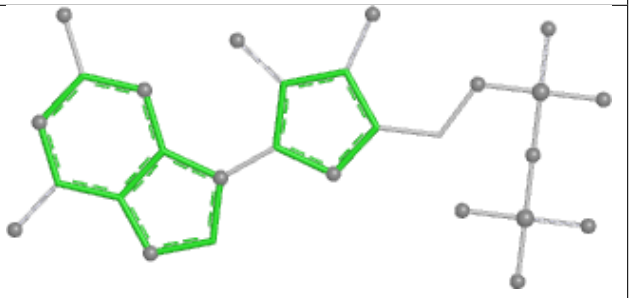
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Bond angles

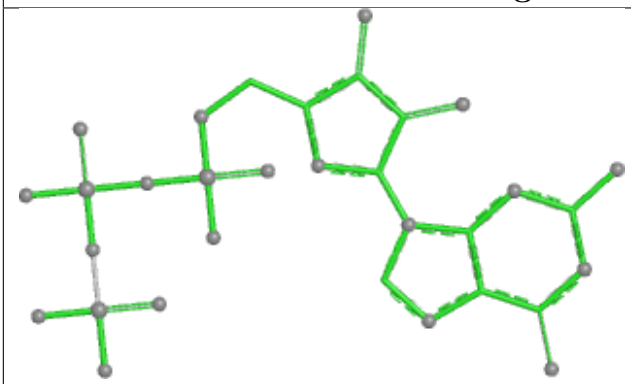


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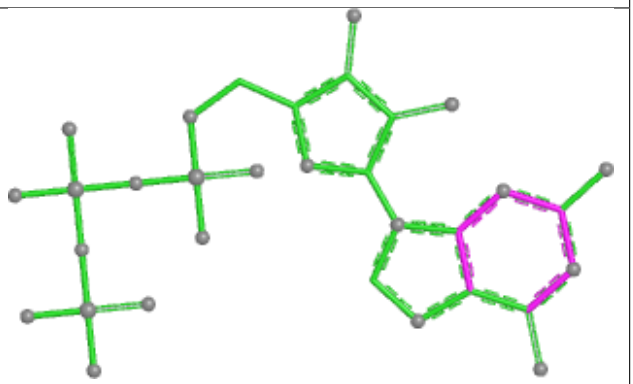


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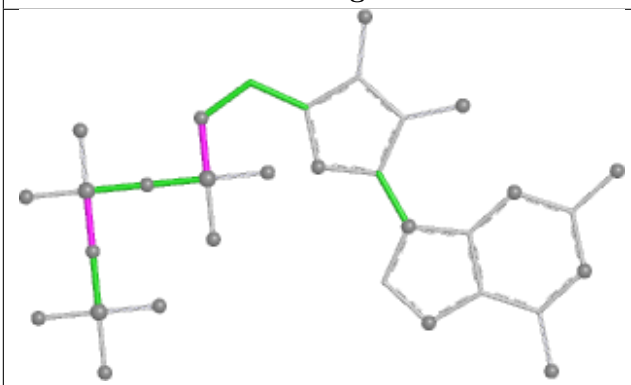
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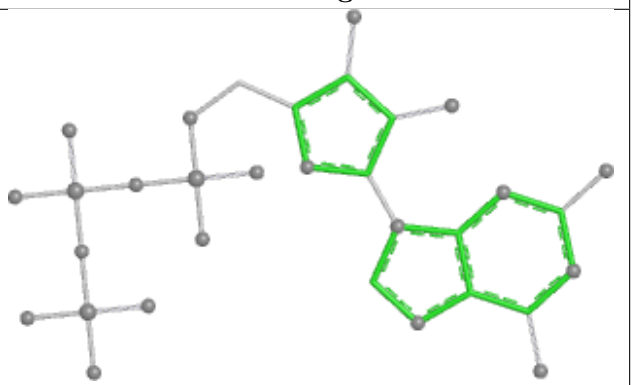
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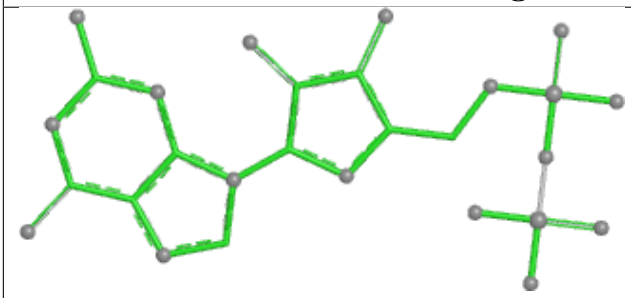


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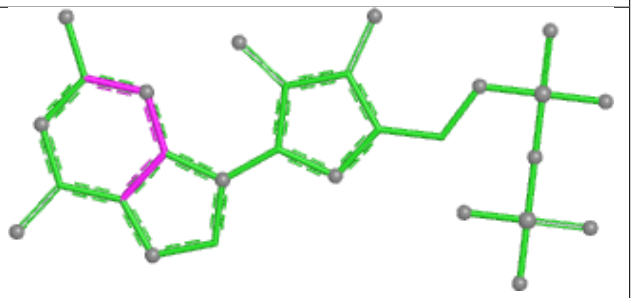


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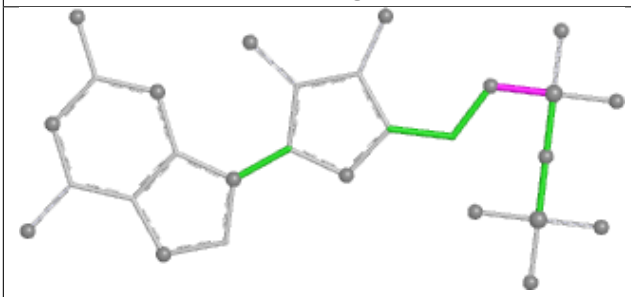
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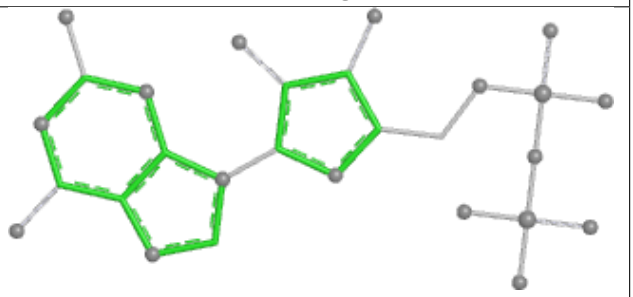
Bond lengths



Bond angles

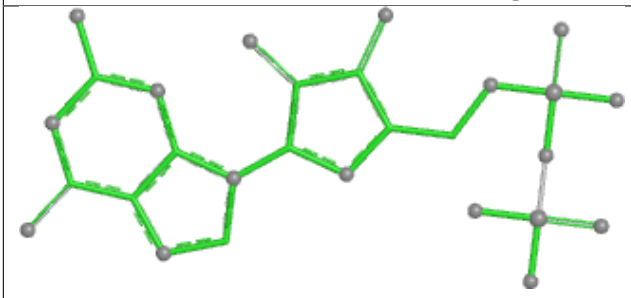


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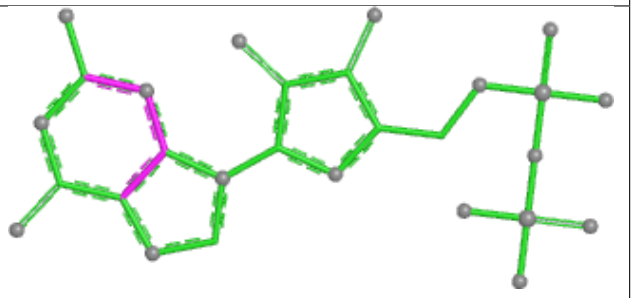


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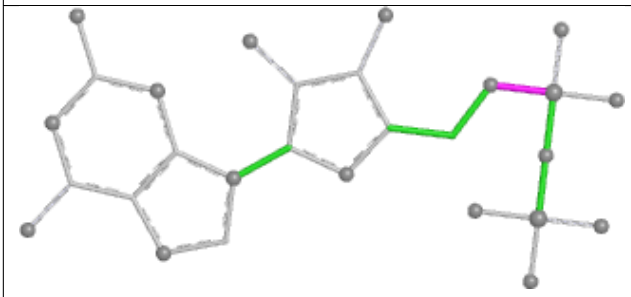
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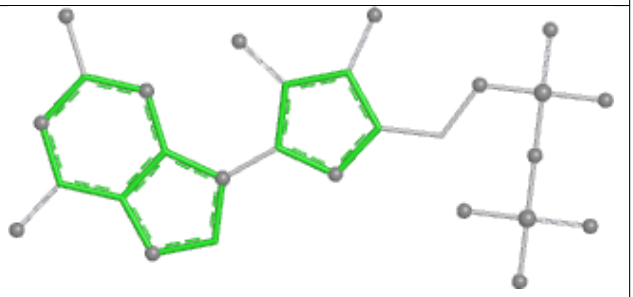
Bond lengths



Bond angles

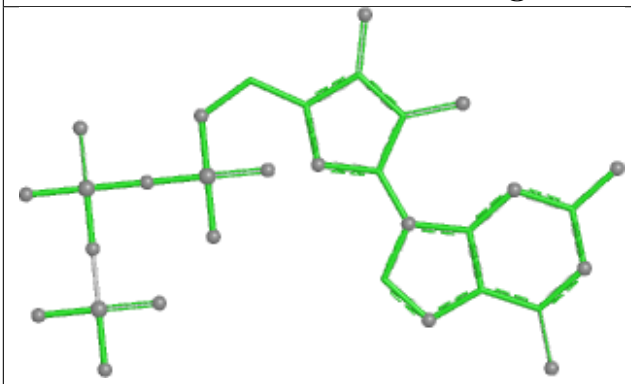


Torsions

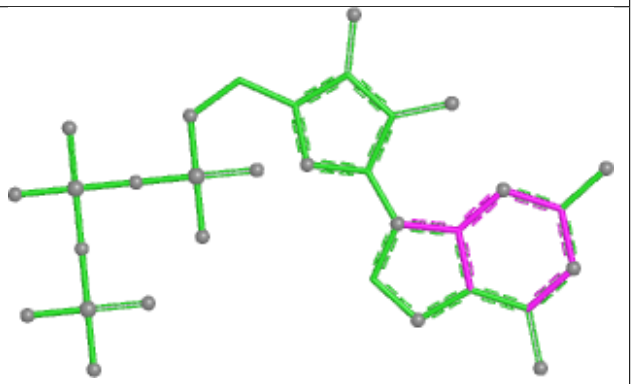


Rings

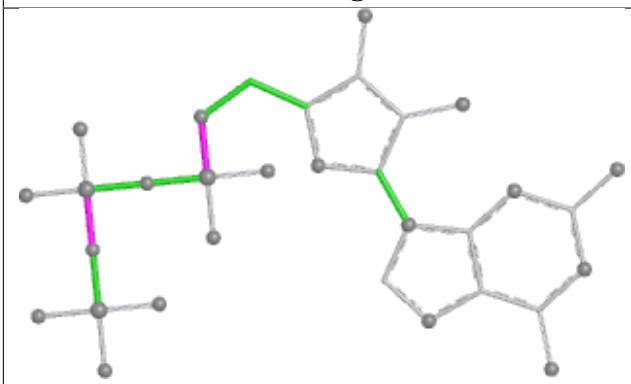
Ligand GTP XU 501



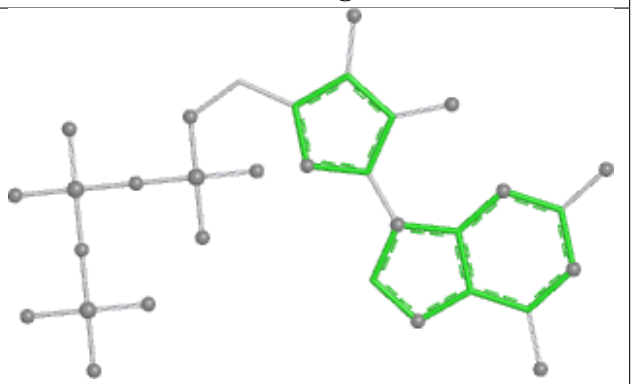
Bond lengths



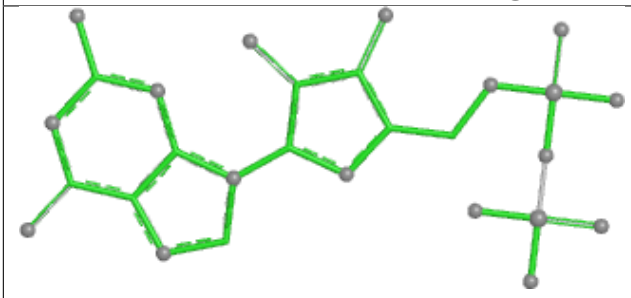
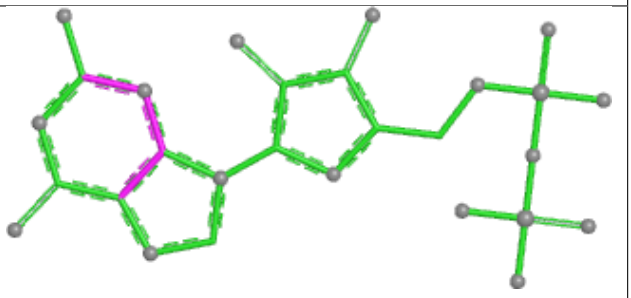
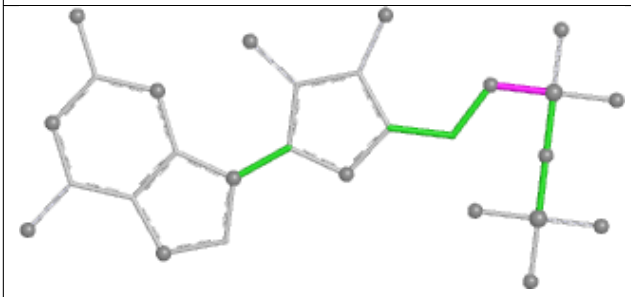
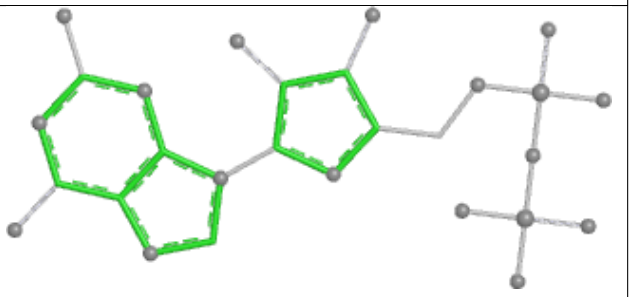
Bond angles

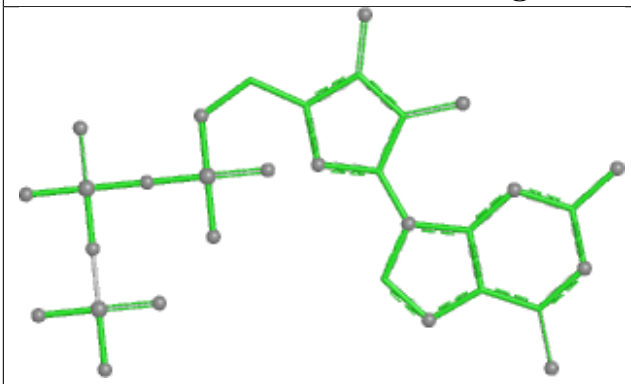
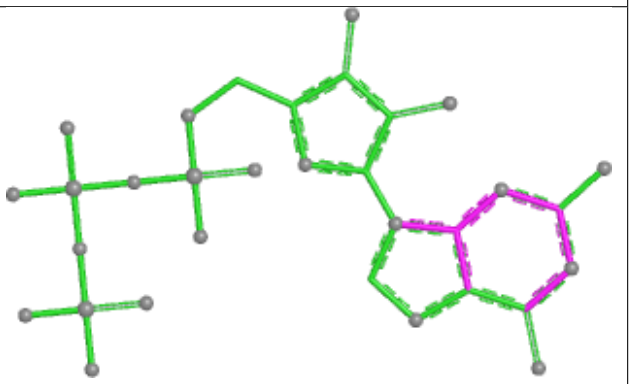
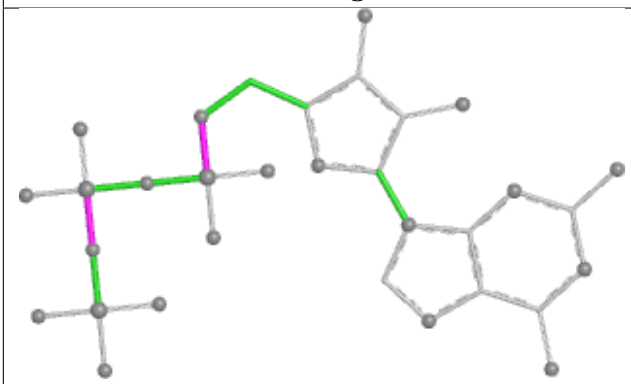
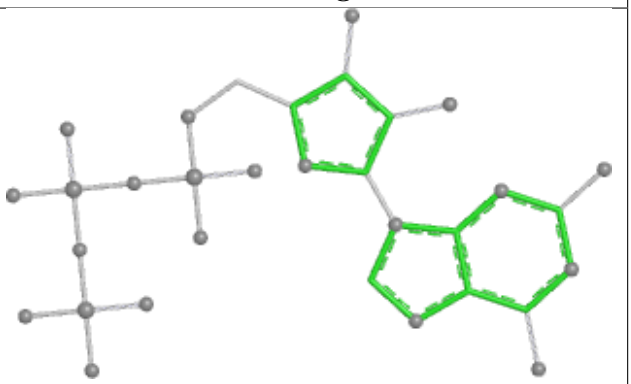


Torsions

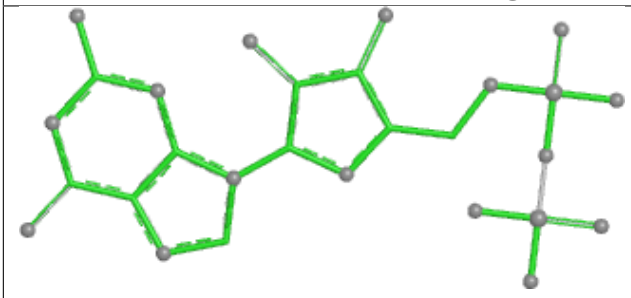


Rings

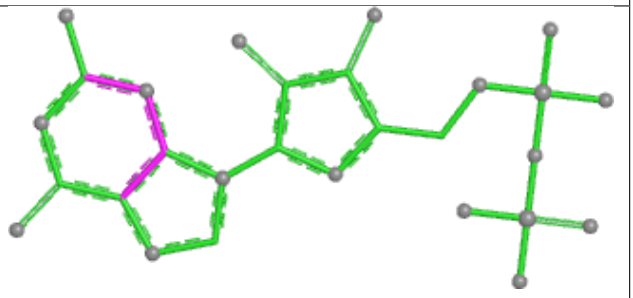
Ligand GDP AK 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP NL 602	
 Bond lengths	 Bond angles
 Torsions	 Rings

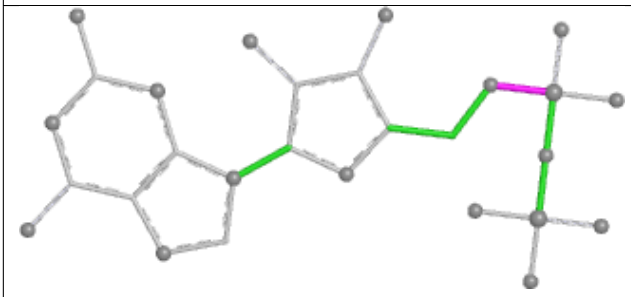
Ligand GDP MA 501



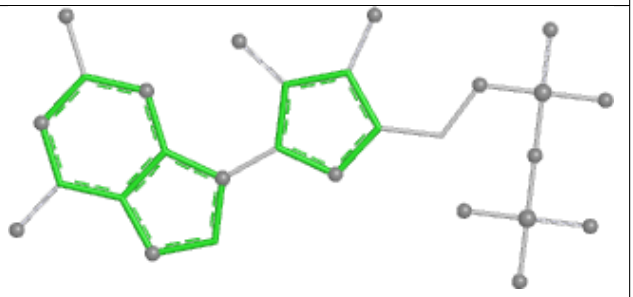
Bond lengths



Bond angles

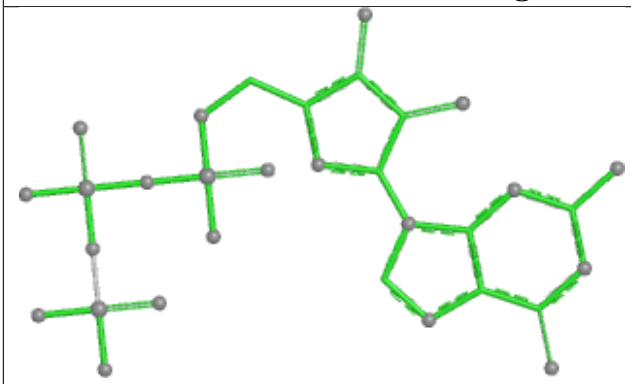


Torsions

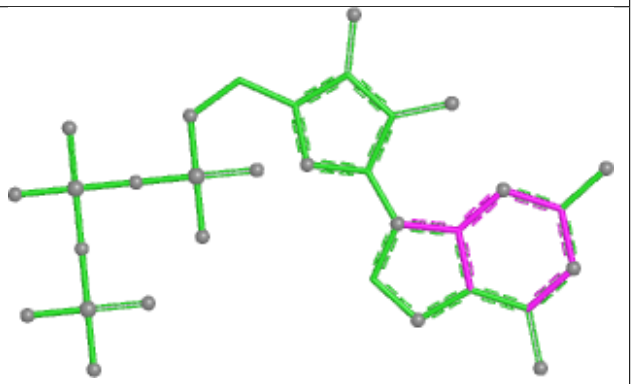


Rings

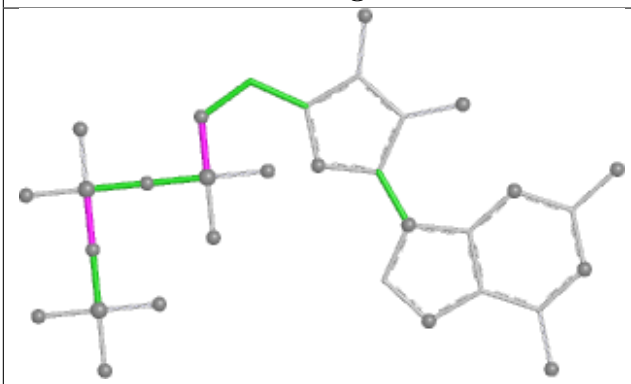
Ligand GTP JC 501



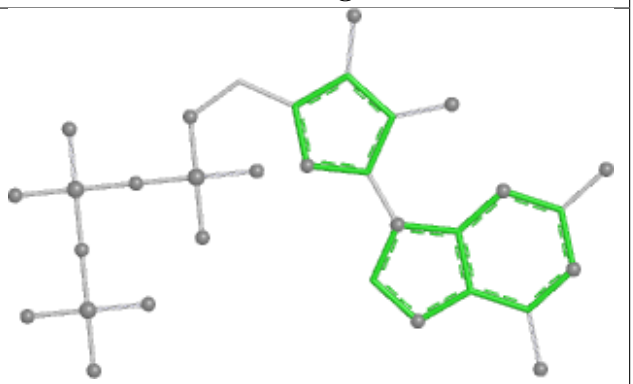
Bond lengths



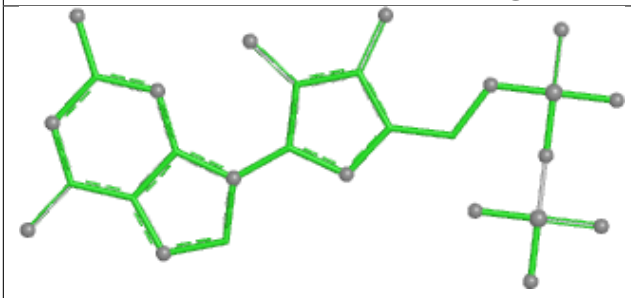
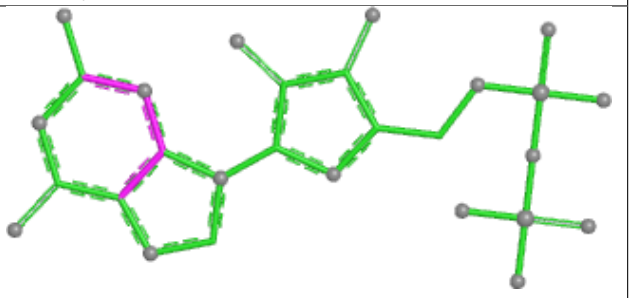
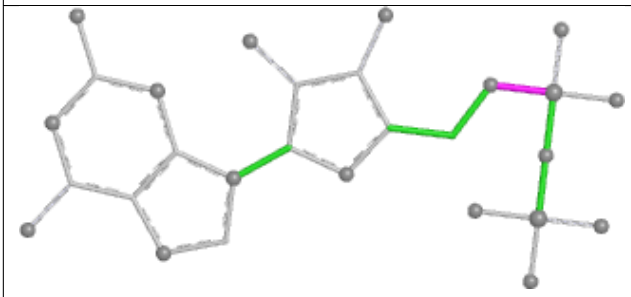
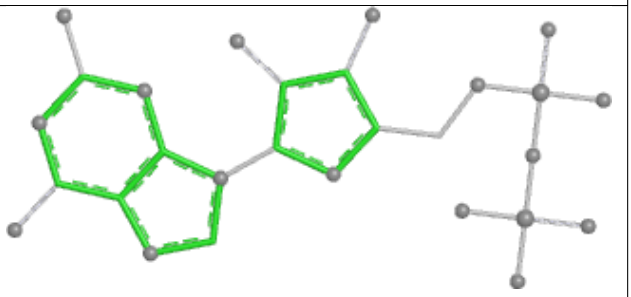
Bond angles

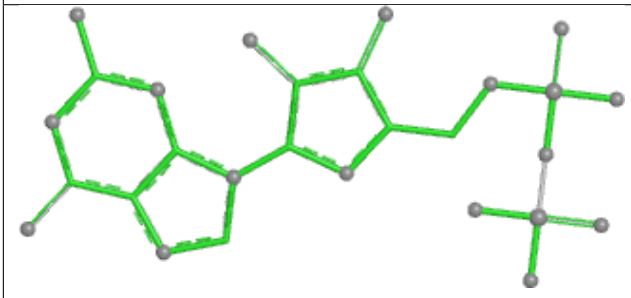
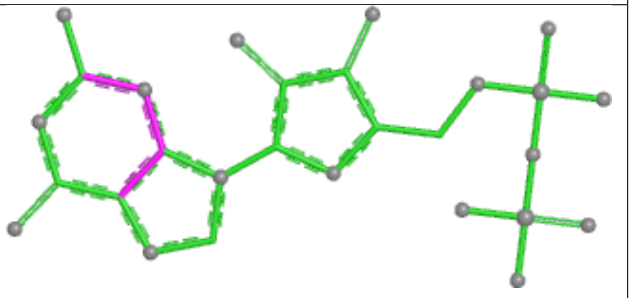
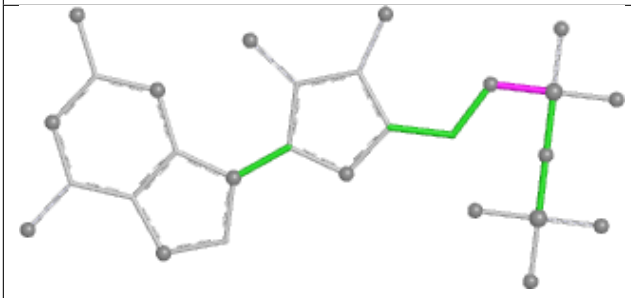
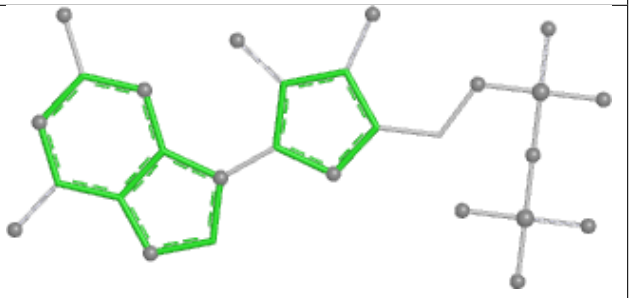


Torsions

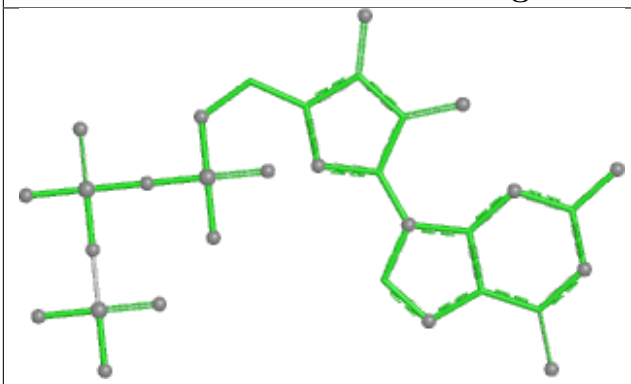


Rings

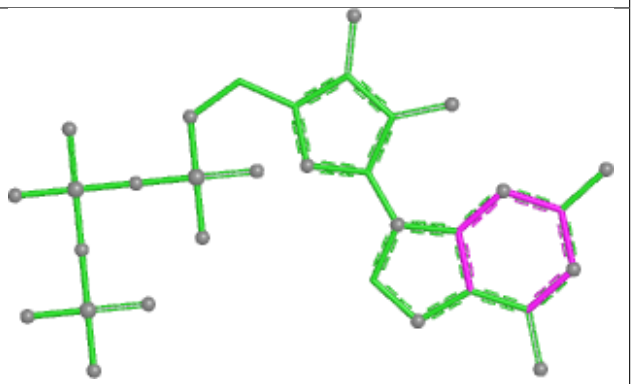
Ligand GDP NQ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP US 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

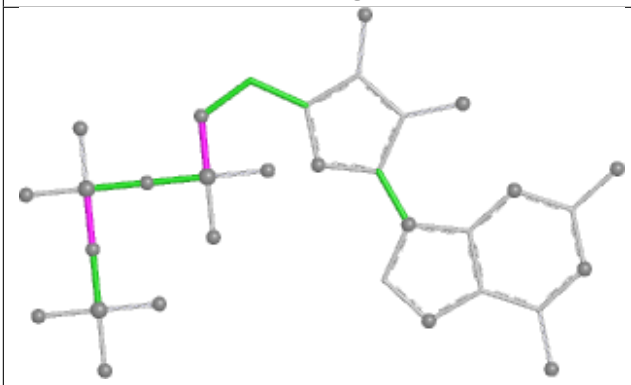
Ligand GTP CZ 501



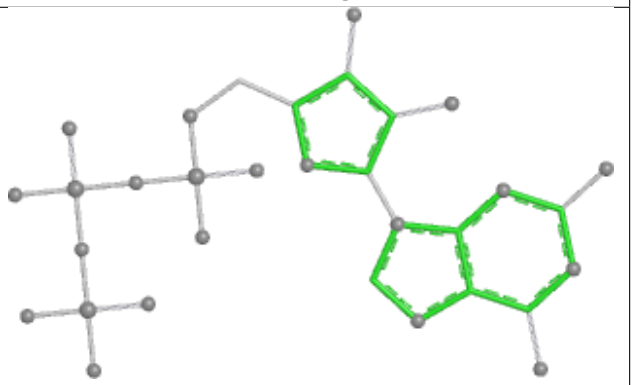
Bond lengths



Bond angles

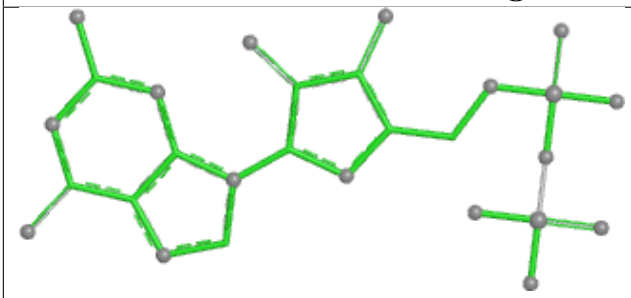


Torsions

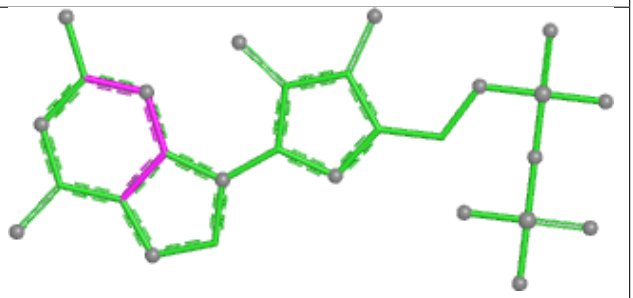


Rings

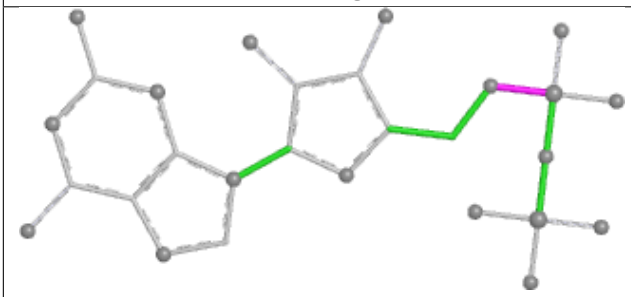
Ligand GDP DR 501



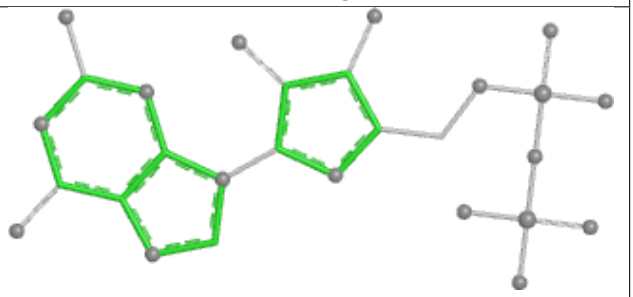
Bond lengths



Bond angles

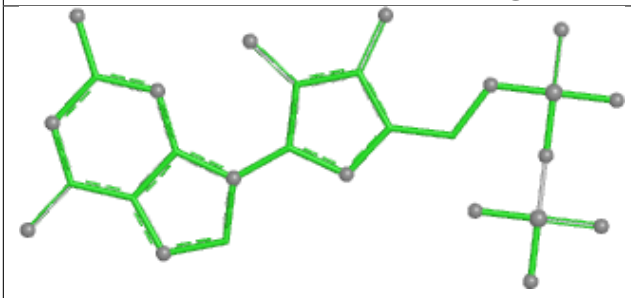


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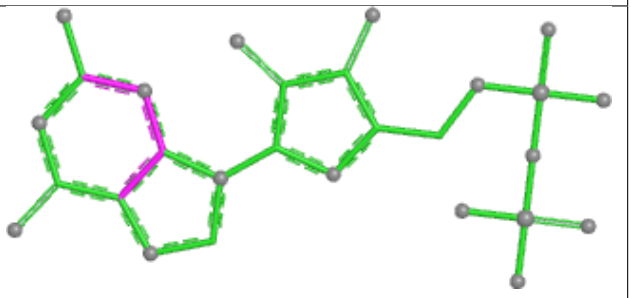


Rings

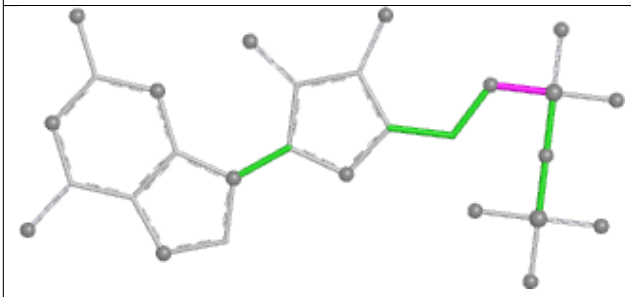
Ligand GDP YD 501



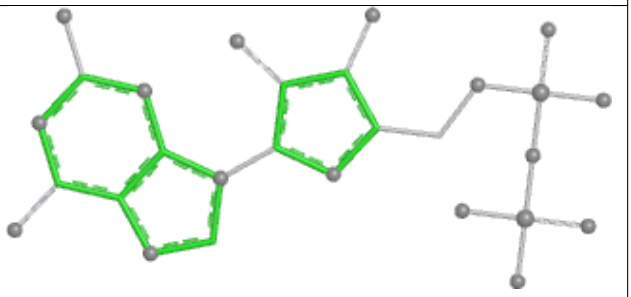
Bond lengths



Bond angles

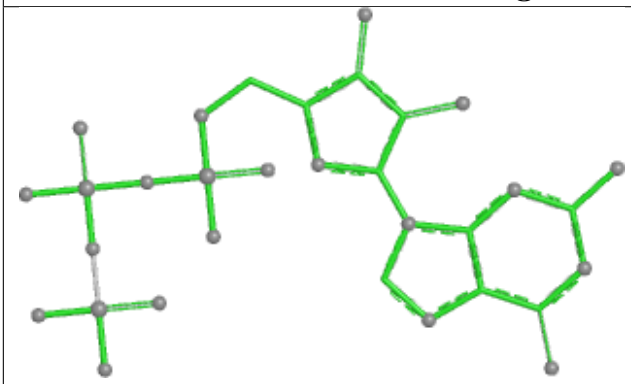


Torsions

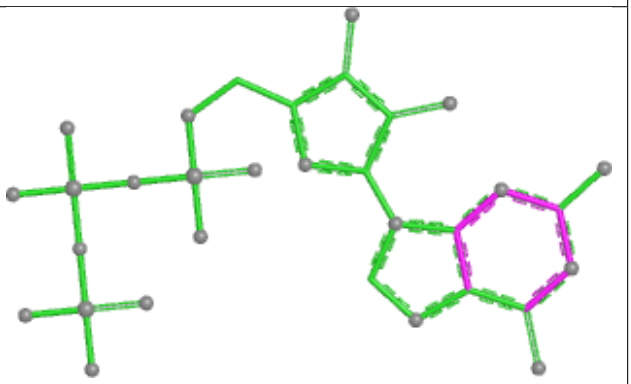


Rings

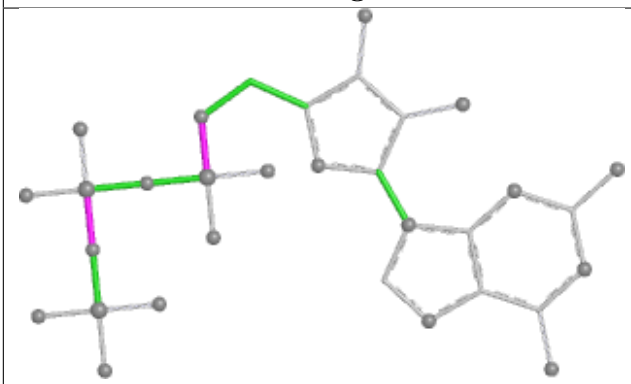
Ligand GTP JZ 501



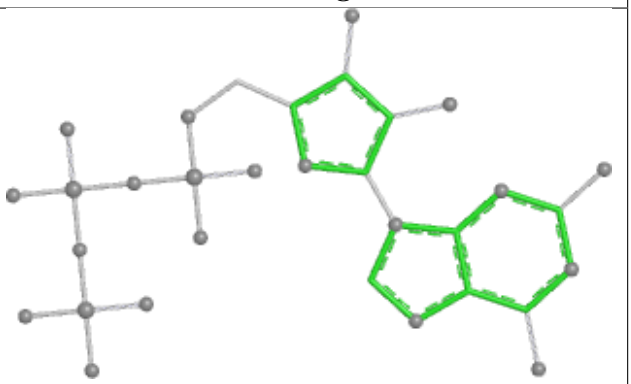
Bond lengths



Bond angles

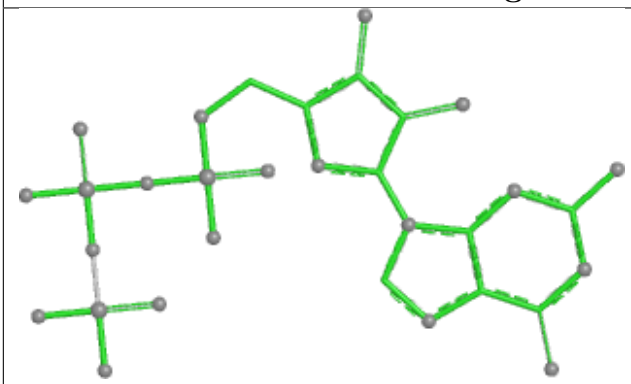


Torsions

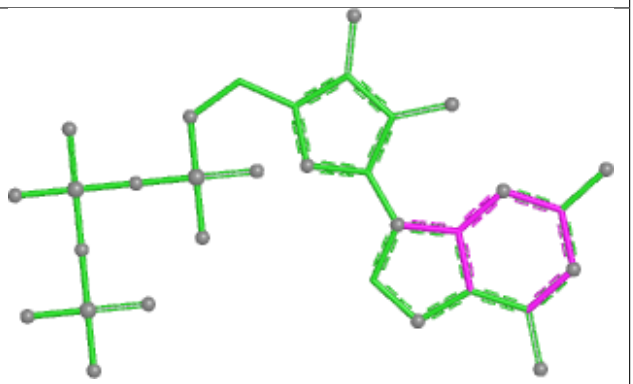


Rings

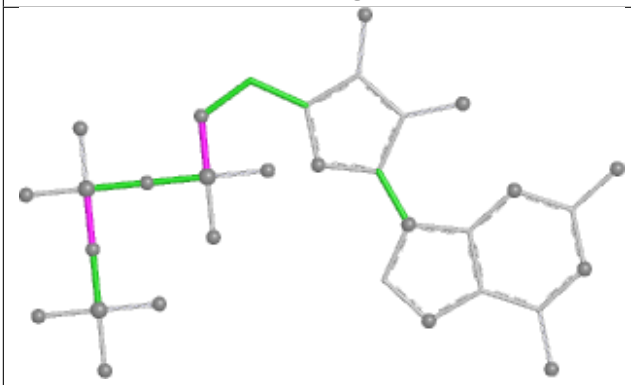
Ligand GTP MH 501



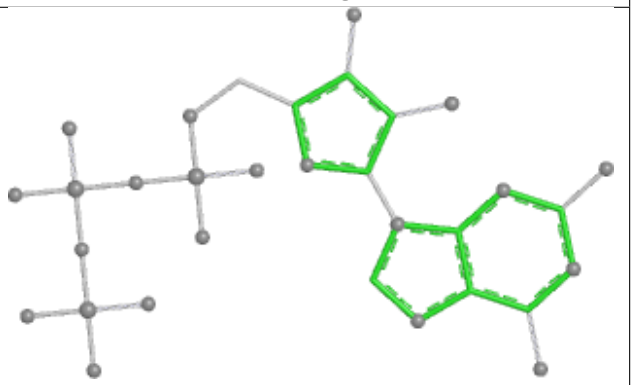
Bond lengths



Bond angles

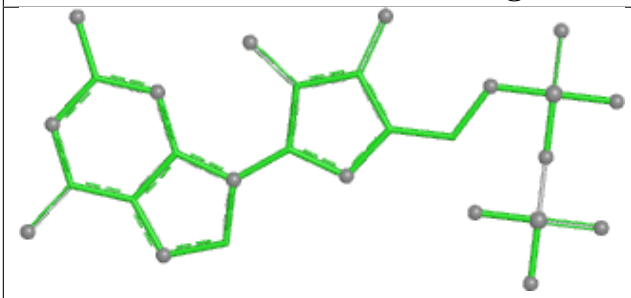


Torsions

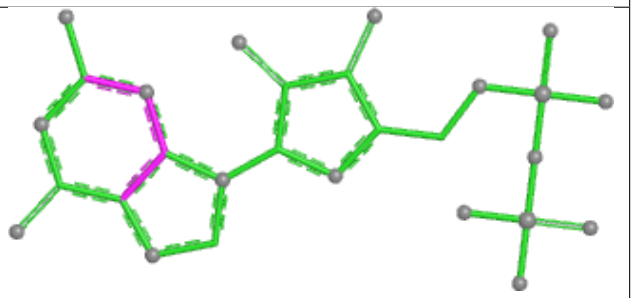


Rings

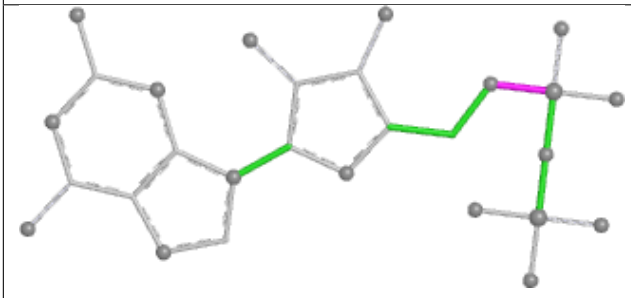
Ligand GDP ME 501



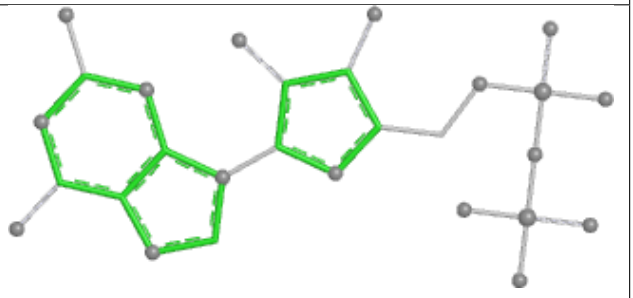
Bond lengths



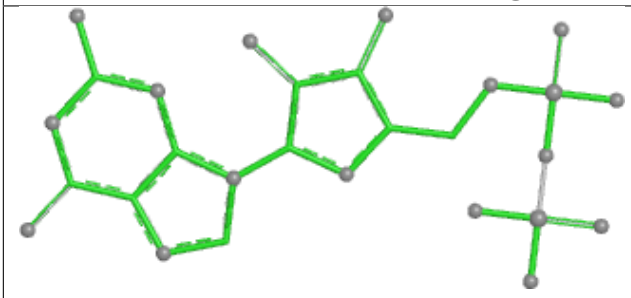
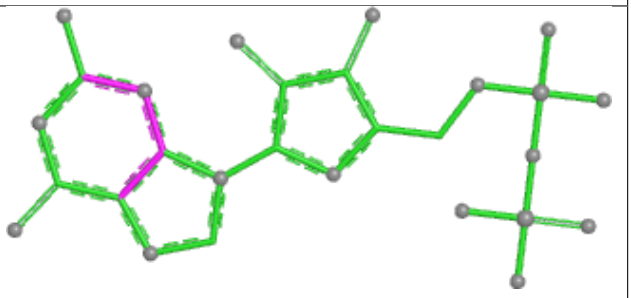
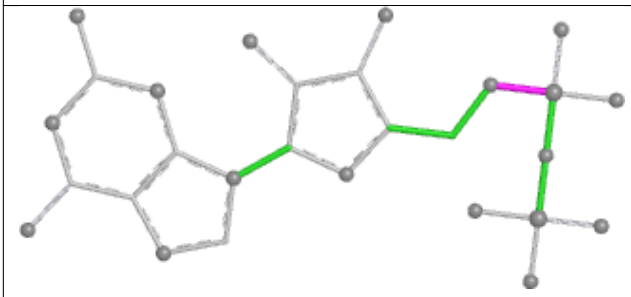
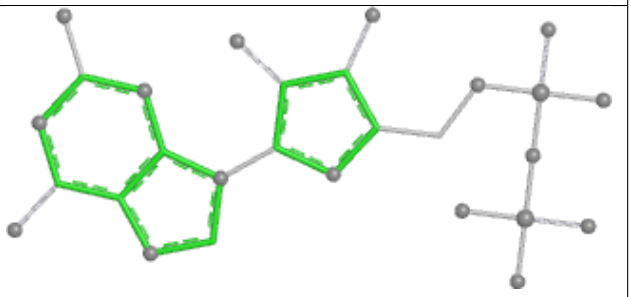
Bond angles

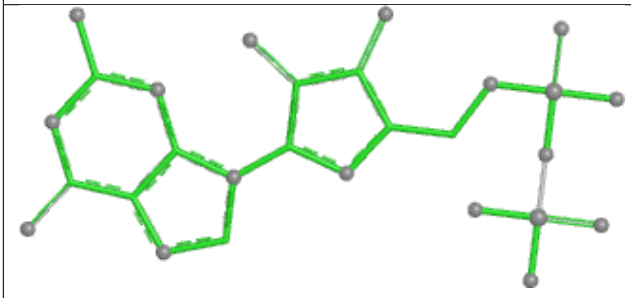
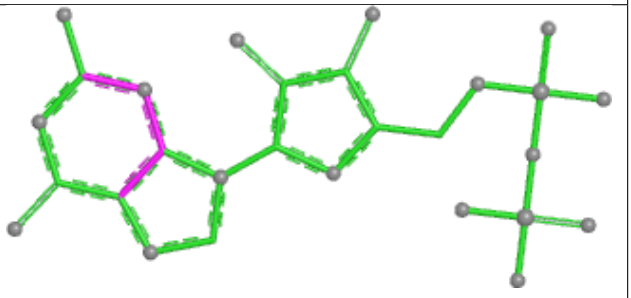
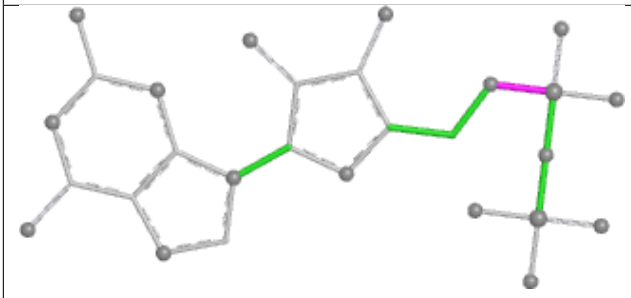
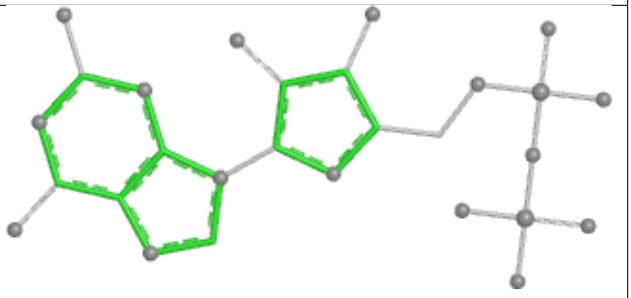


Torsions

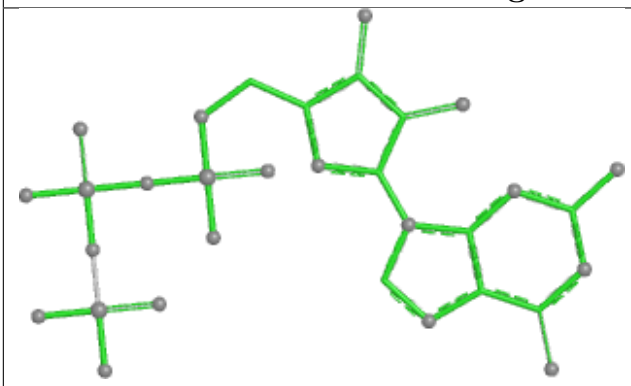


Rings

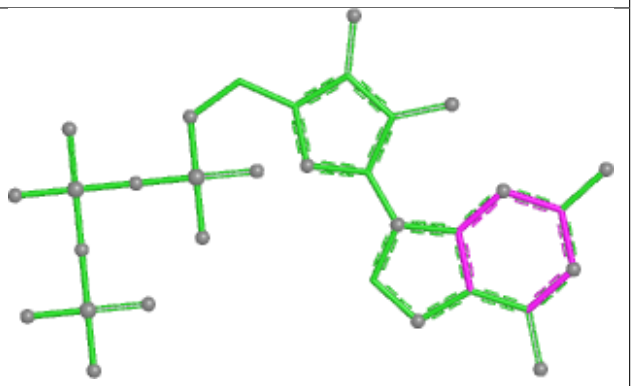
Ligand GDP HR 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP YW 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

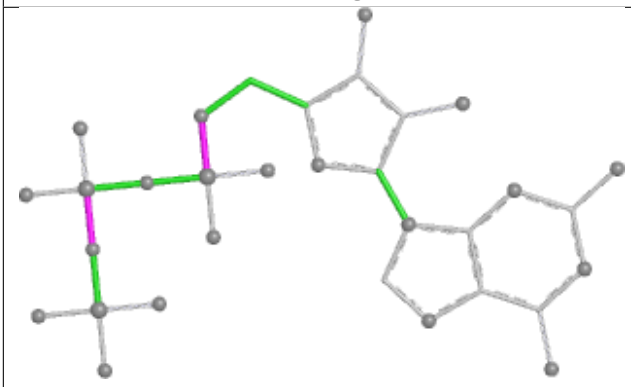
Ligand GTP NX 501



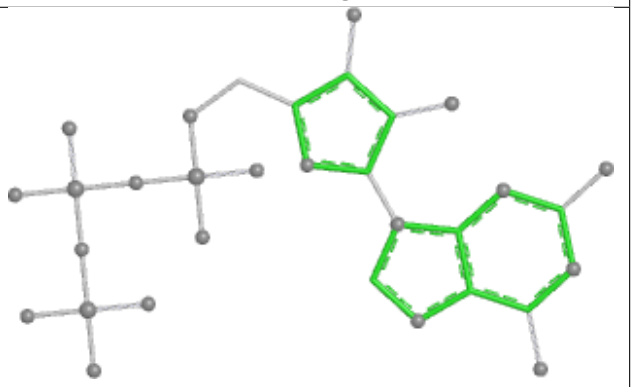
Bond lengths



Bond angles

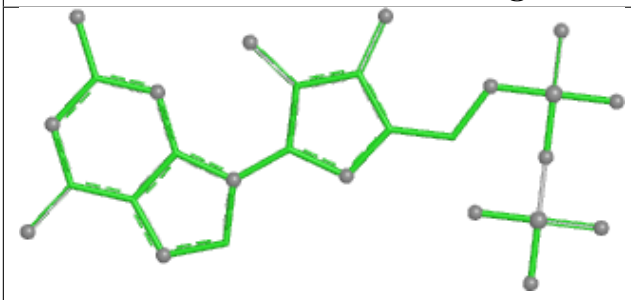


Torsions

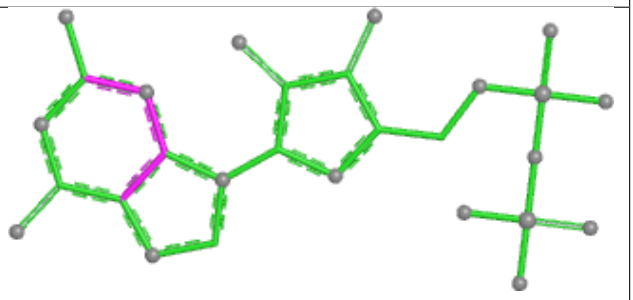


Rings

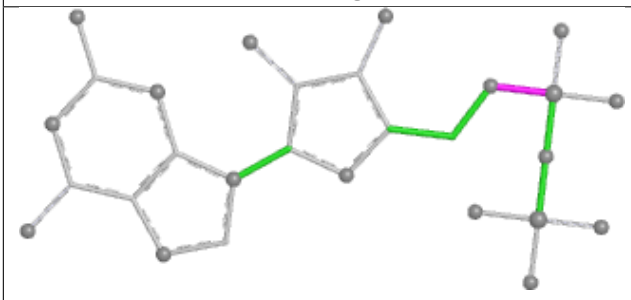
Ligand GDP PD 501



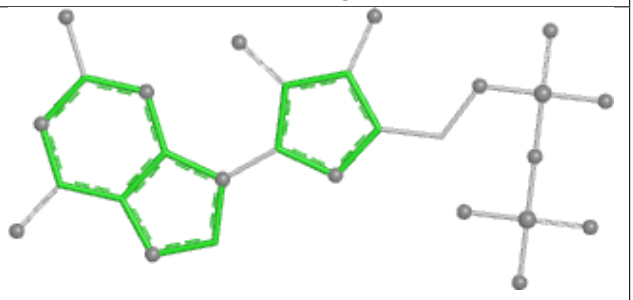
Bond lengths



Bond angles

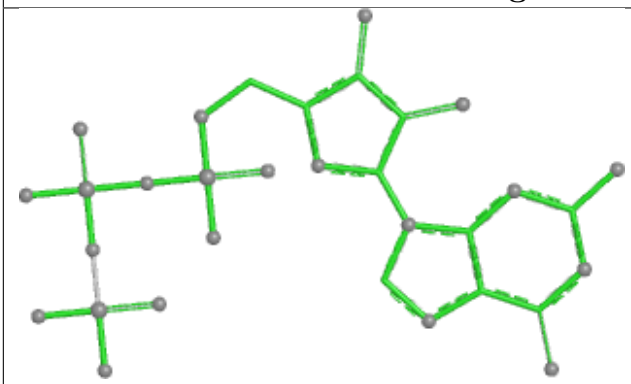


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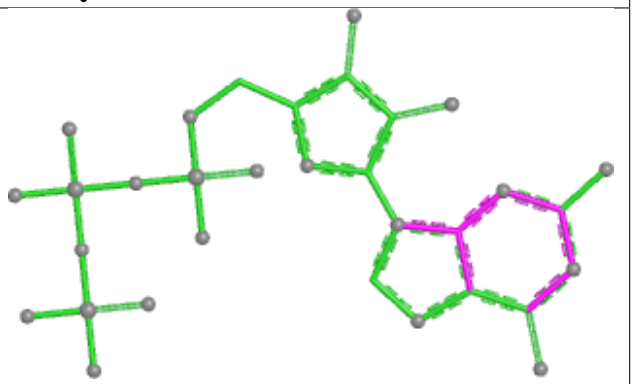


Rings

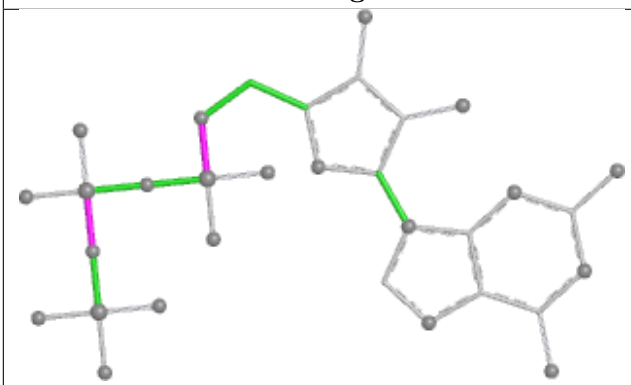
Ligand GTP XQ 501



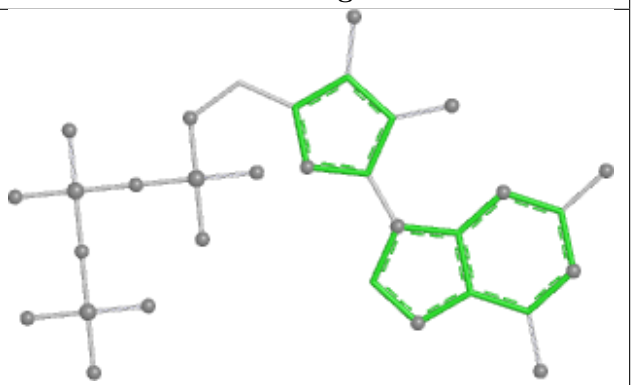
Bond lengths



Bond angles

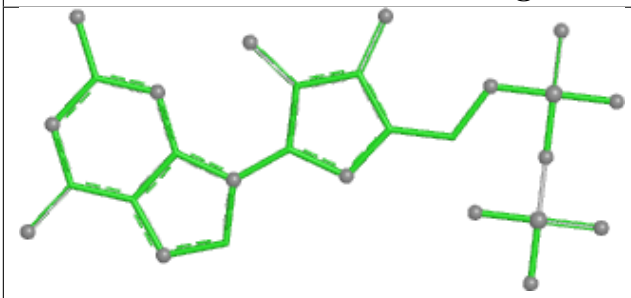


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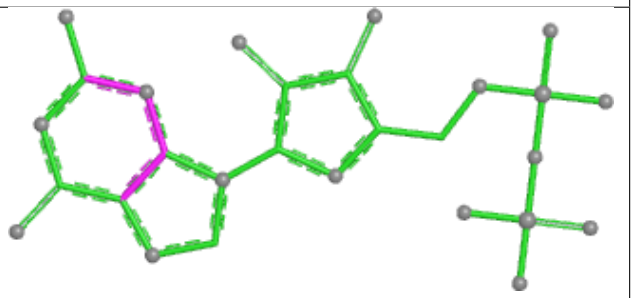


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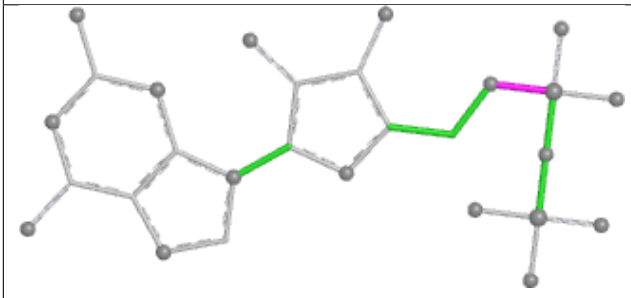
Ligand GDP BI 501



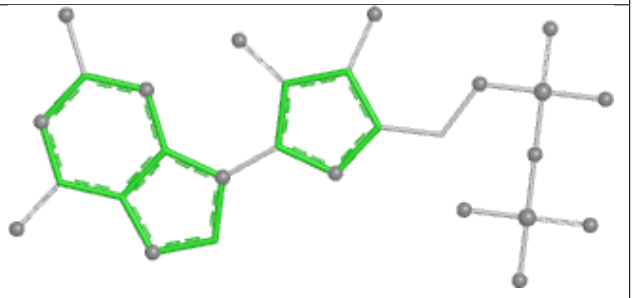
Bond lengths



Bond angles

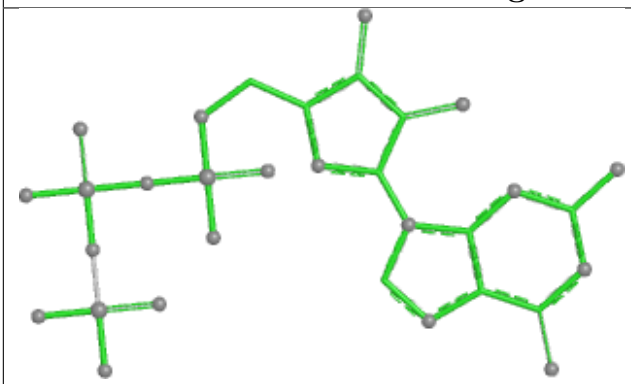


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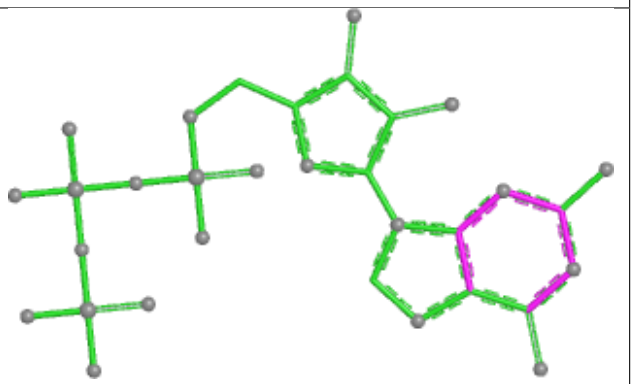


Rings

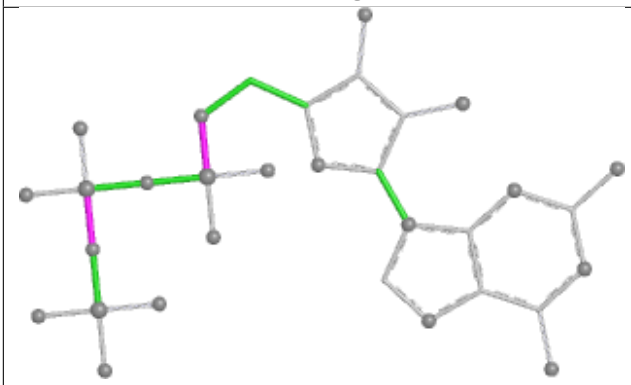
Ligand GTP DH 501



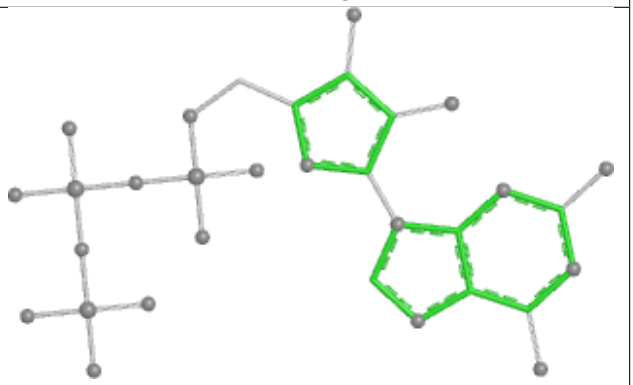
Bond lengths



Bond angles

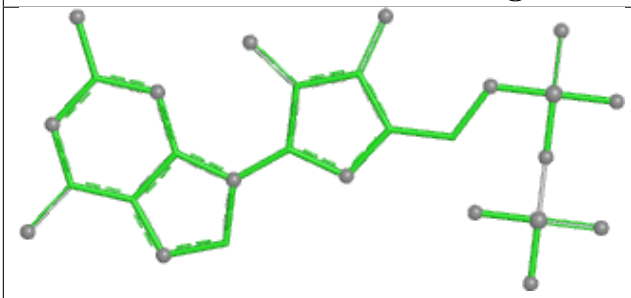


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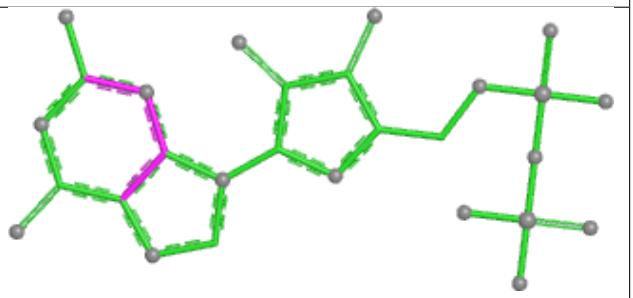


Rings

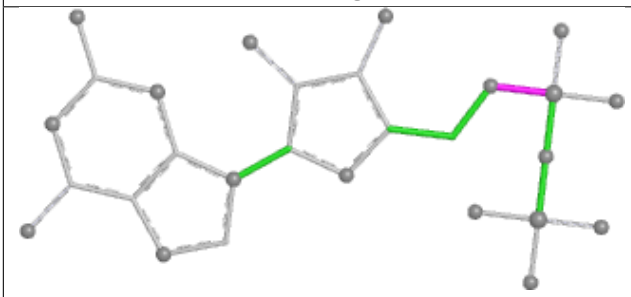
Ligand GDP GX 501



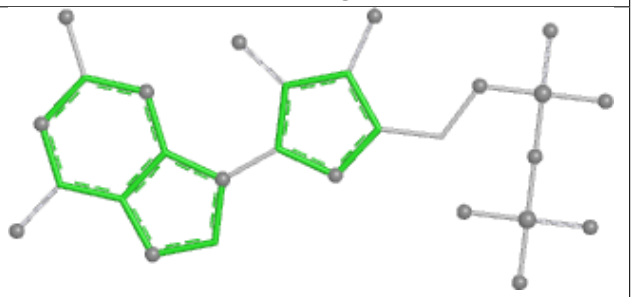
Bond lengths



Bond angles

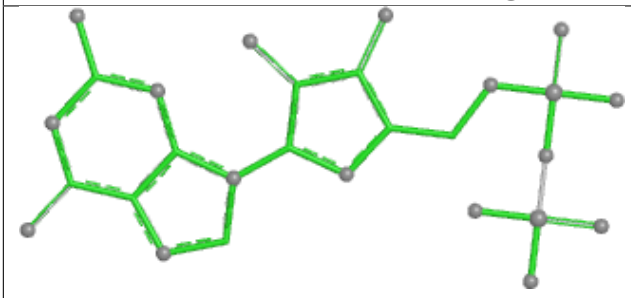


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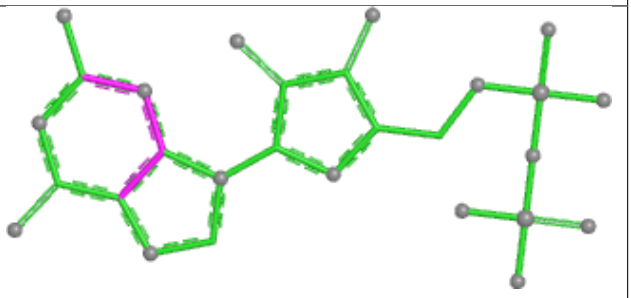


Rings

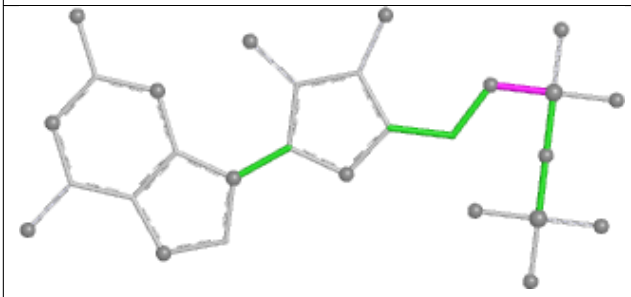
Ligand GDP WV 501



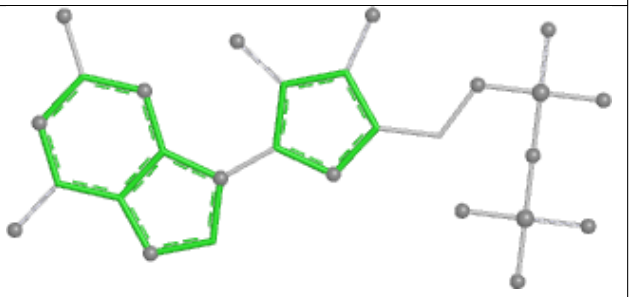
Bond lengths



Bond angles

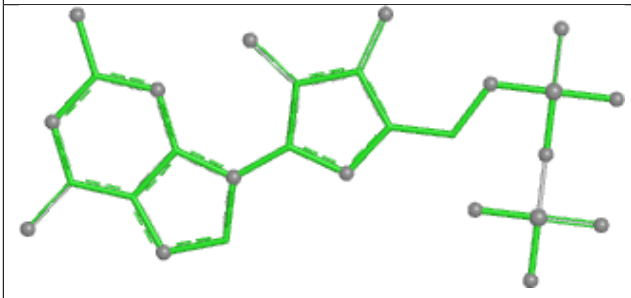


Torsions

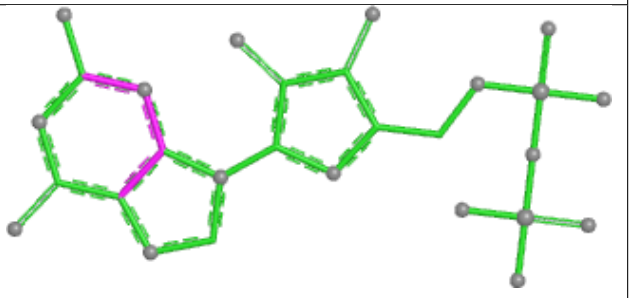


Rings

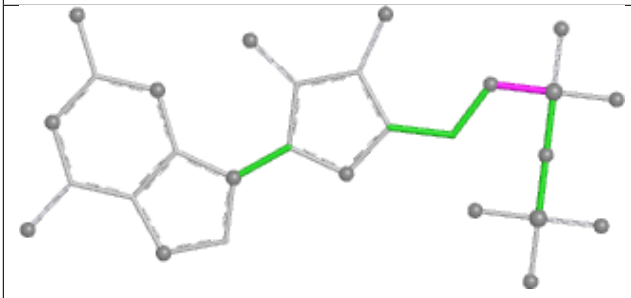
Ligand GDP Ak 501



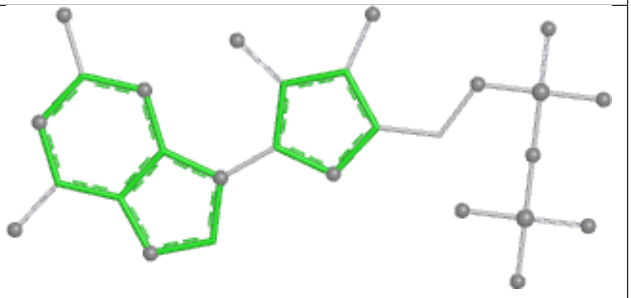
Bond lengths



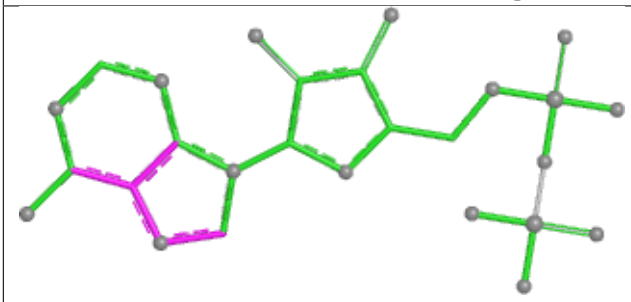
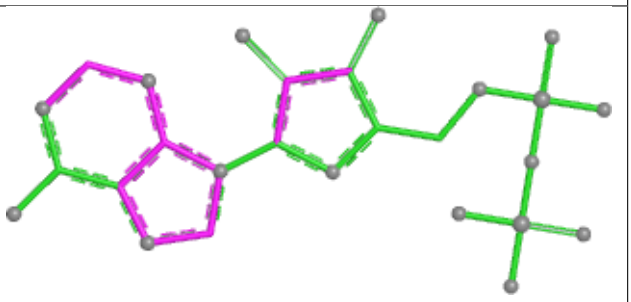
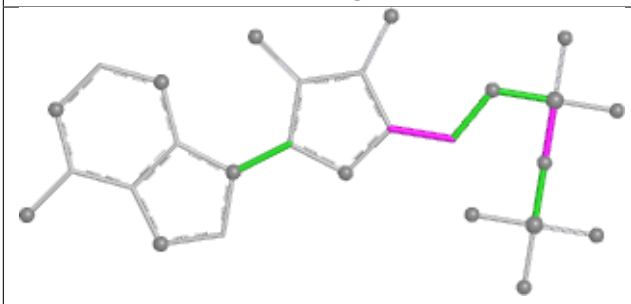
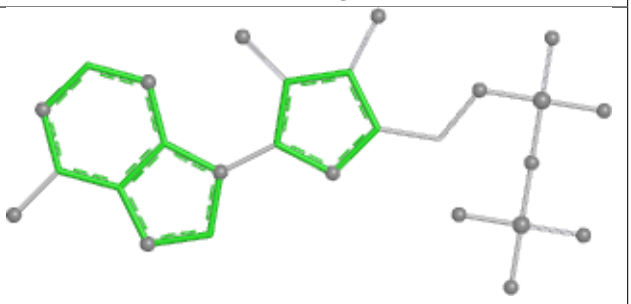
Bond angles

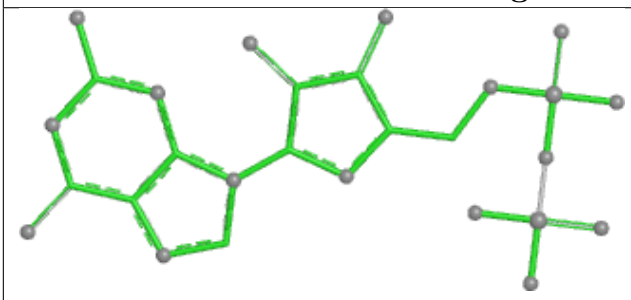
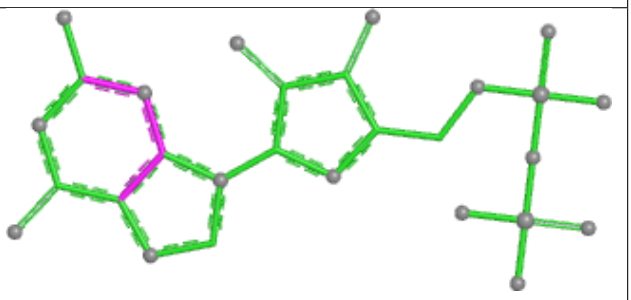
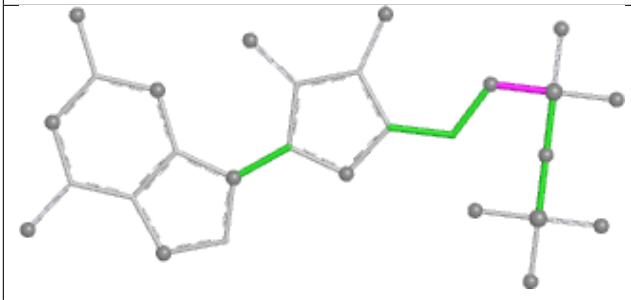
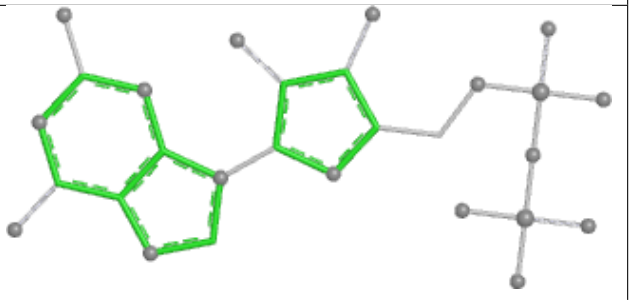


Torsions

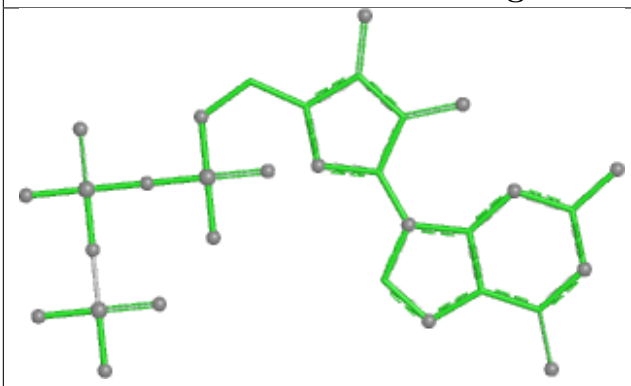


Rings

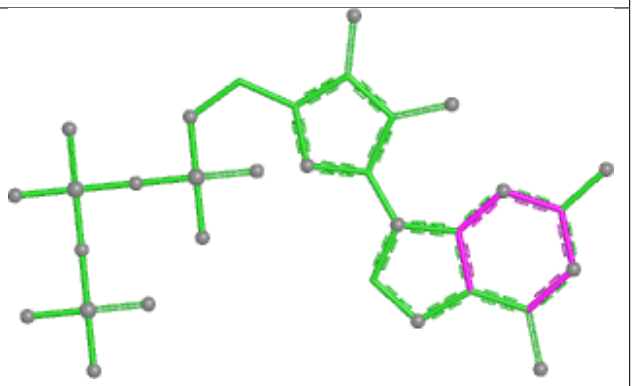
Ligand ADP 9e 5002	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP SD 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

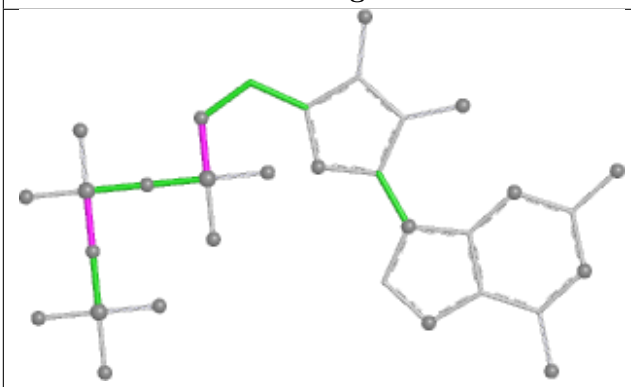
Ligand GTP EM 501



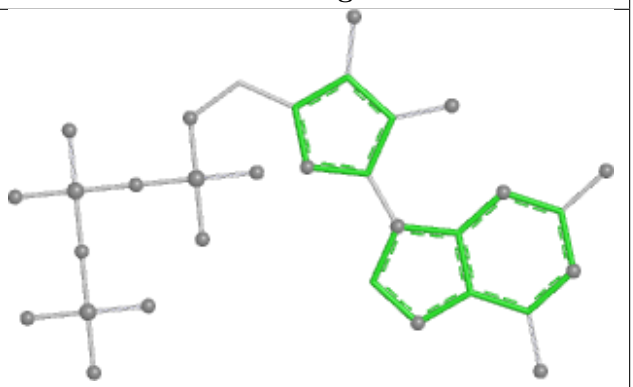
Bond lengths



Bond angles

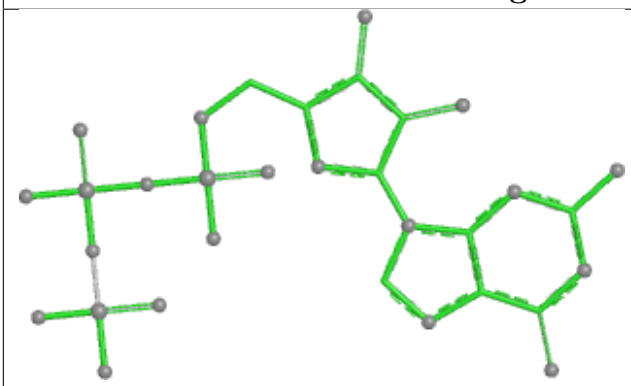


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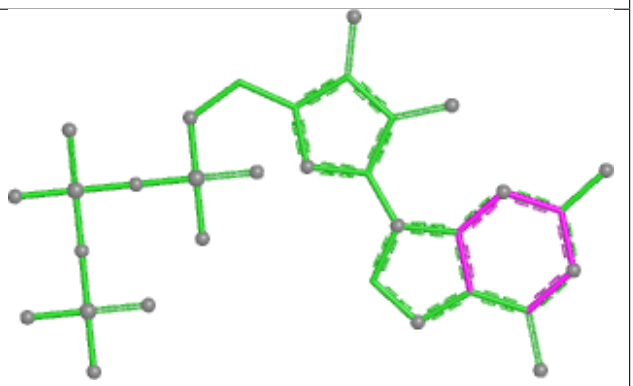


Rings

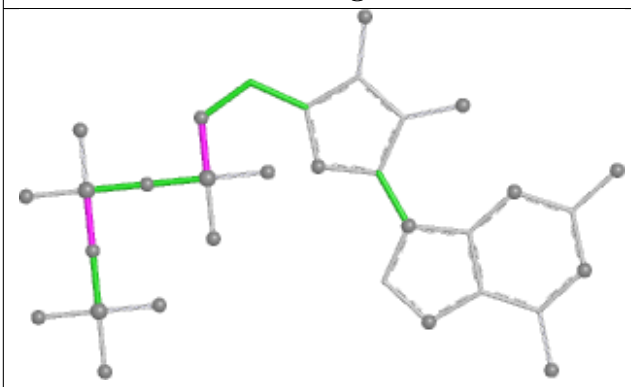
Ligand GTP GE 602



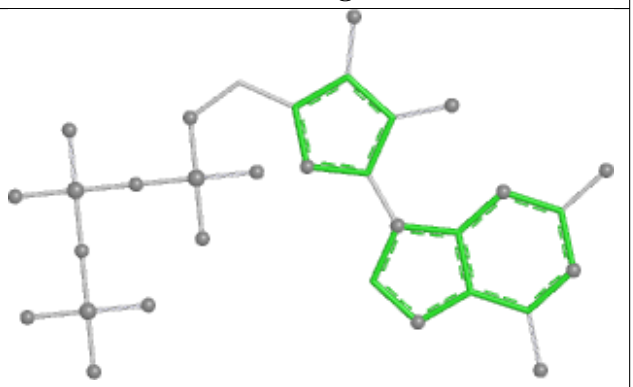
Bond lengths



Bond angles

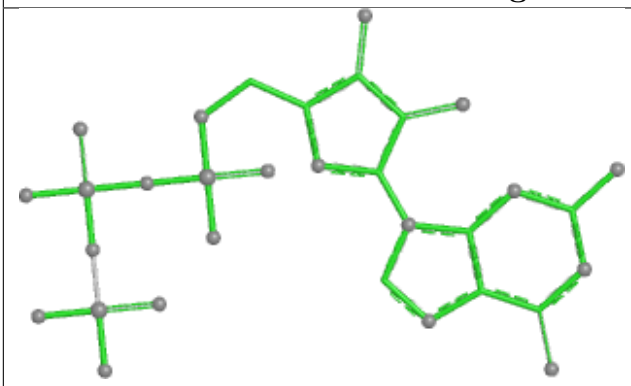


Torsions

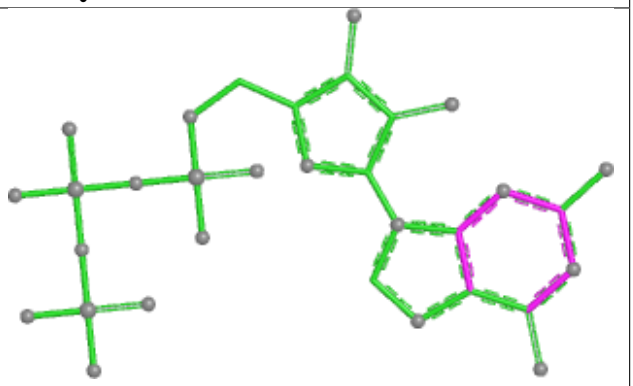


Rings

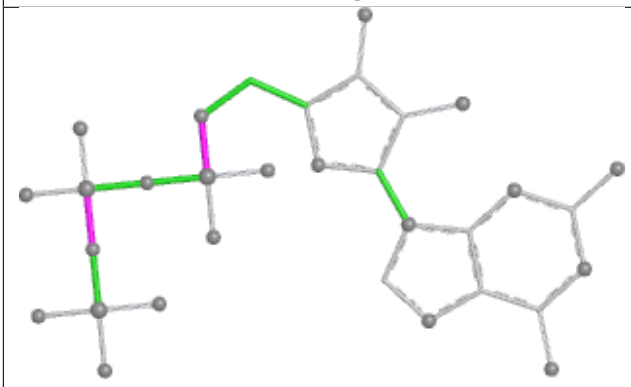
Ligand GTP RQ 501



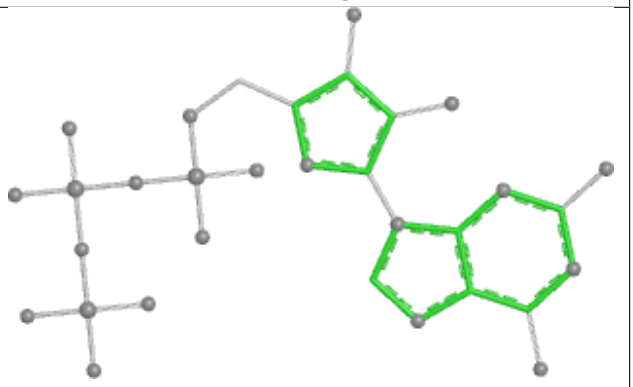
Bond lengths



Bond angles

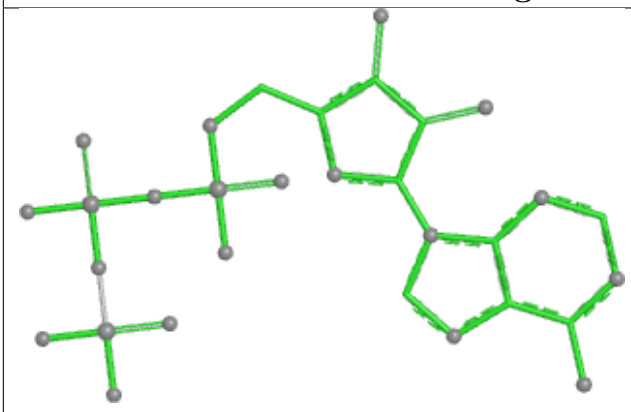


Torsions

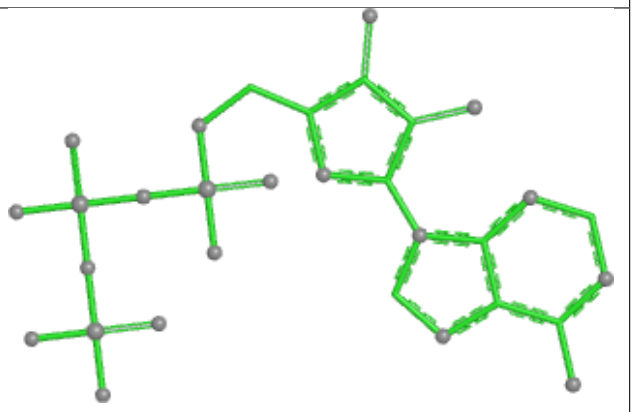


Rings

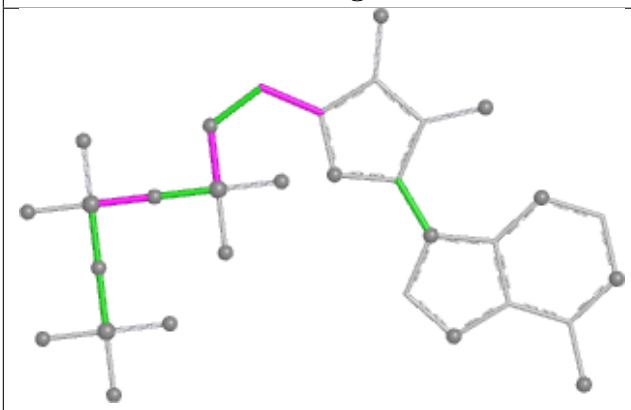
Ligand ATP 9f 4704



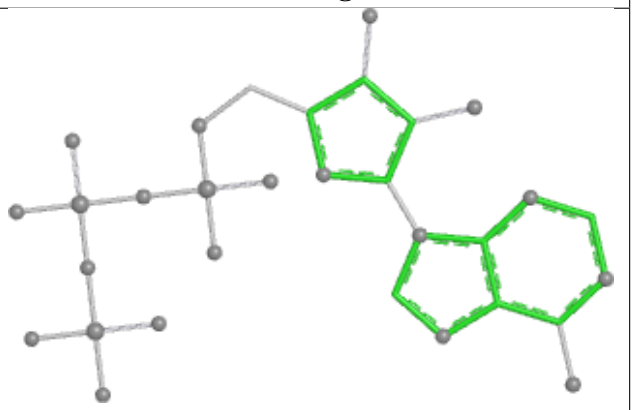
Bond lengths



Bond angles

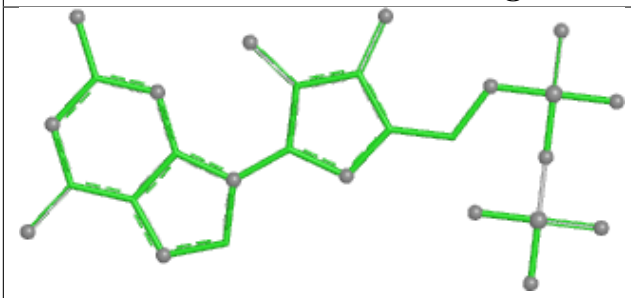


Torsions

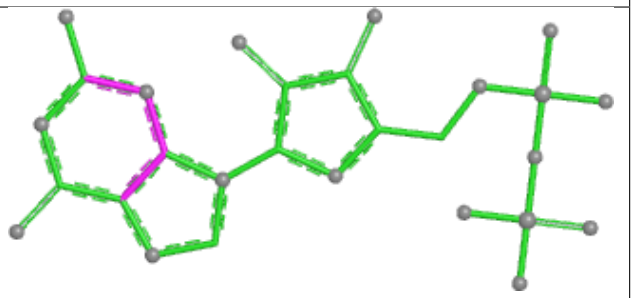


Rings

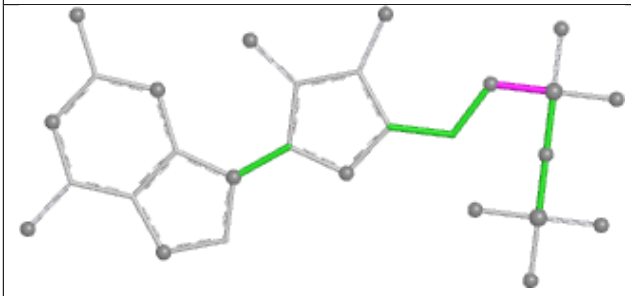
Ligand GDP MC 501



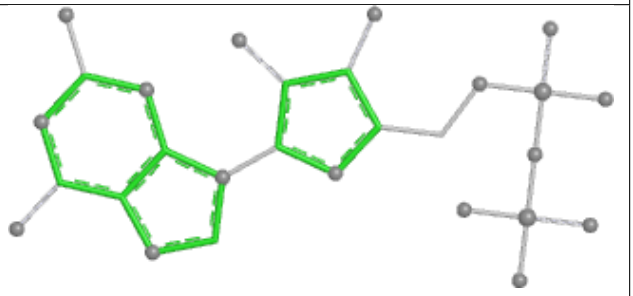
Bond lengths



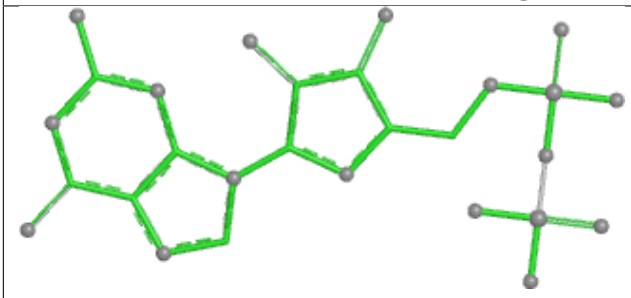
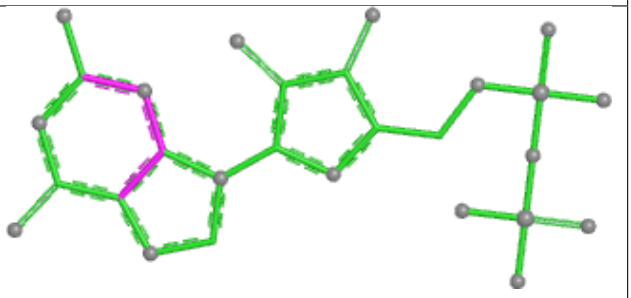
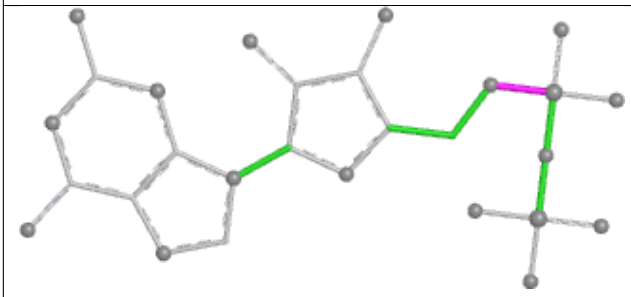
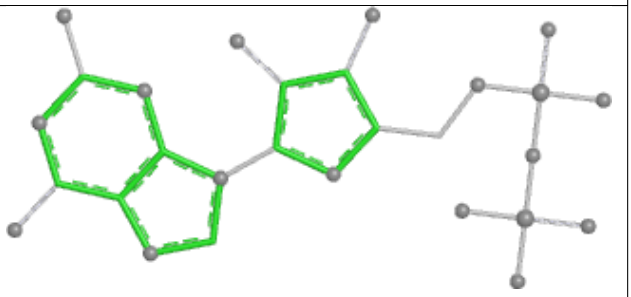
Bond angles

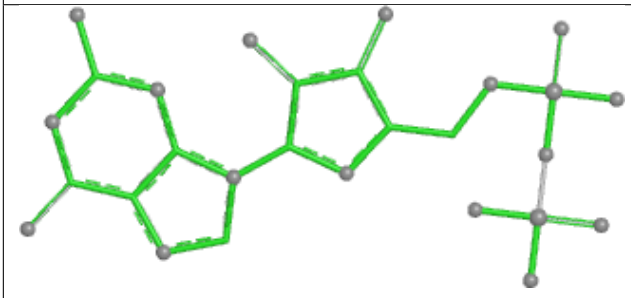
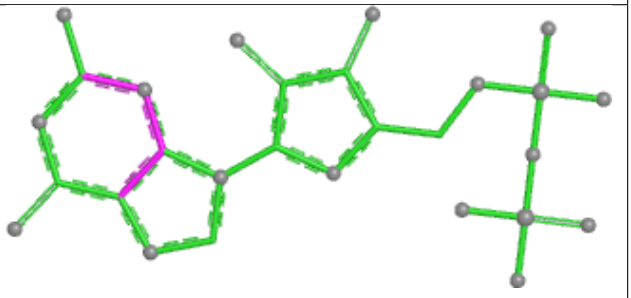
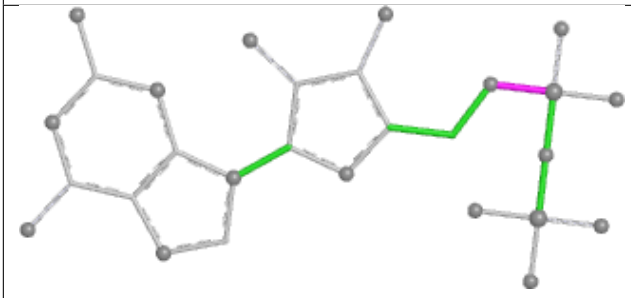
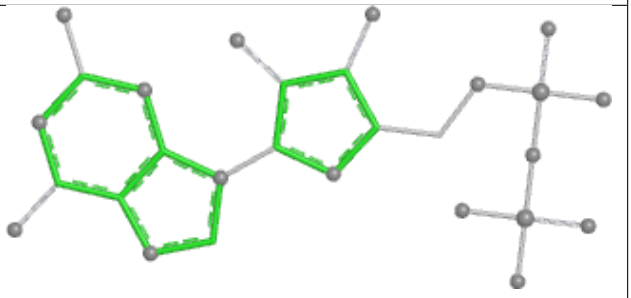


Torsions

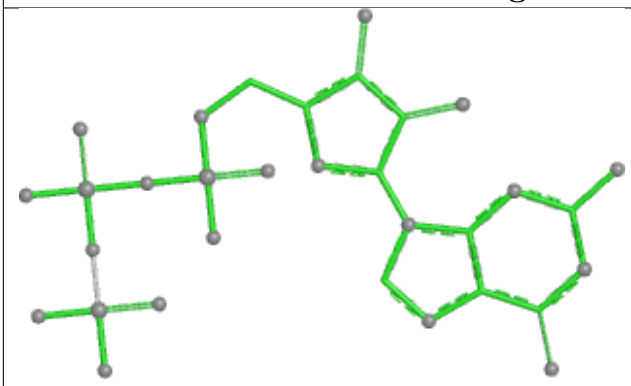


Rings

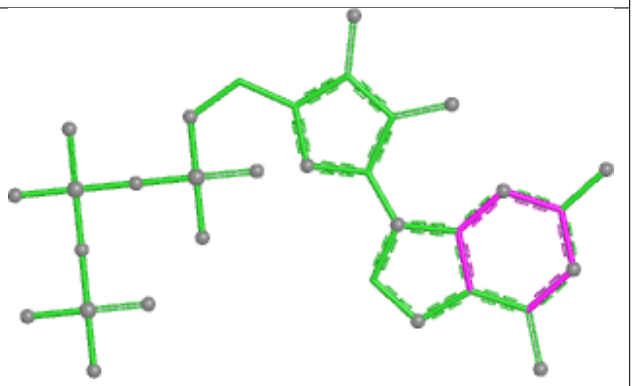
Ligand GDP SJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP VB 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

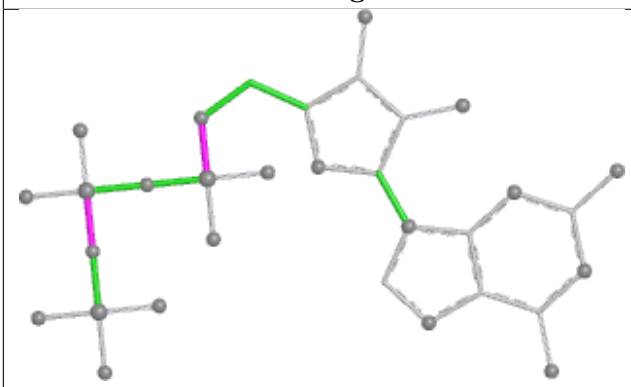
Ligand GTP VG 501



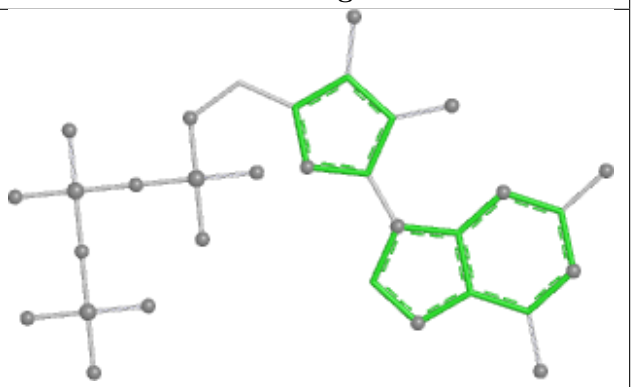
Bond lengths



Bond angles

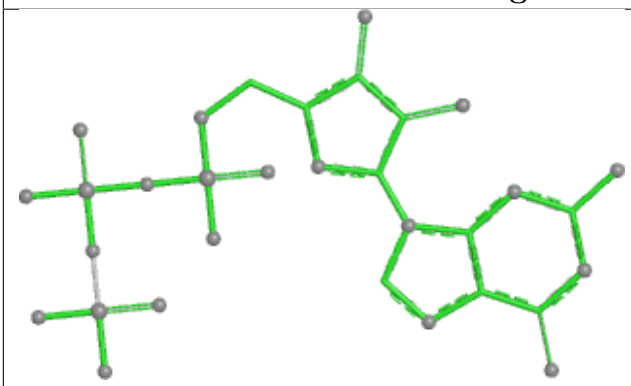


Torsions

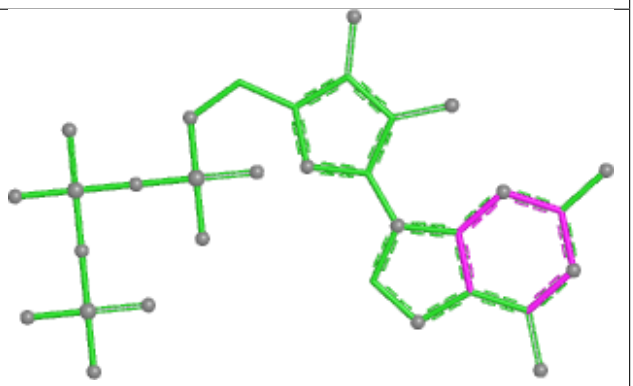


Rings

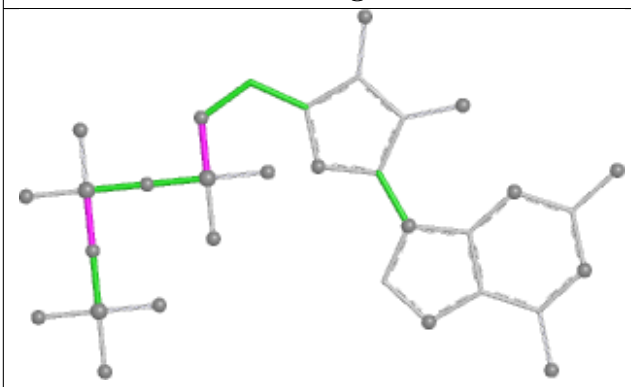
Ligand GTP XC 602



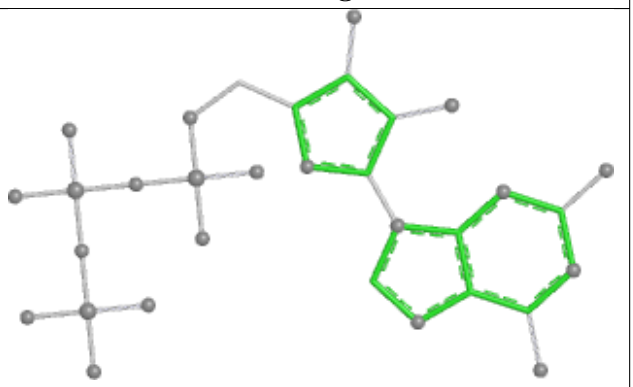
Bond lengths



Bond angles

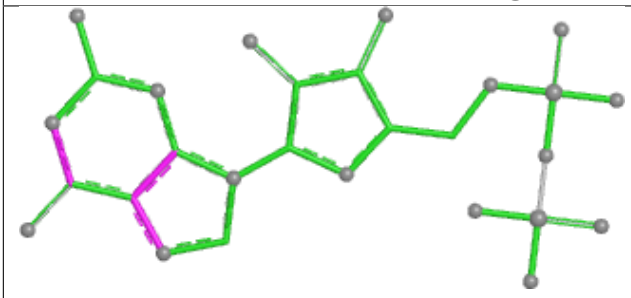


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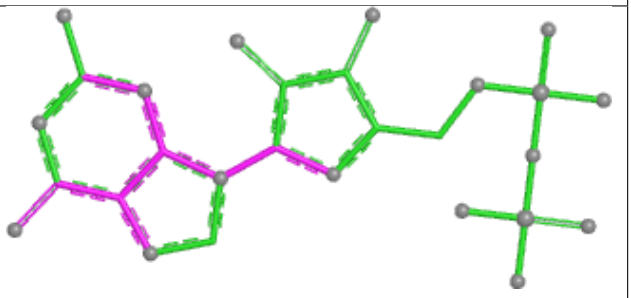


Rings

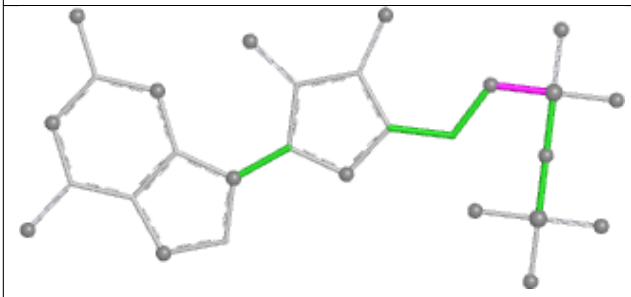
Ligand GDP HD 501



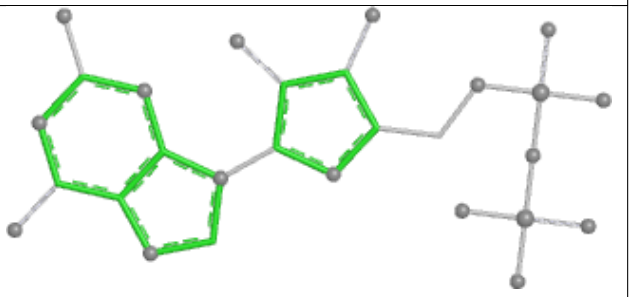
Bond lengths



Bond angles

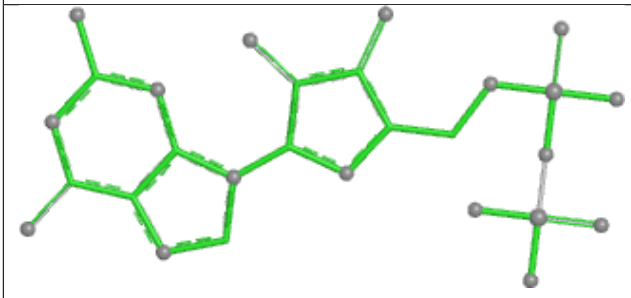


Torsions

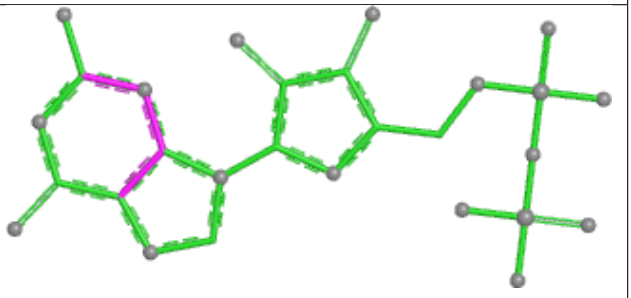


Rings

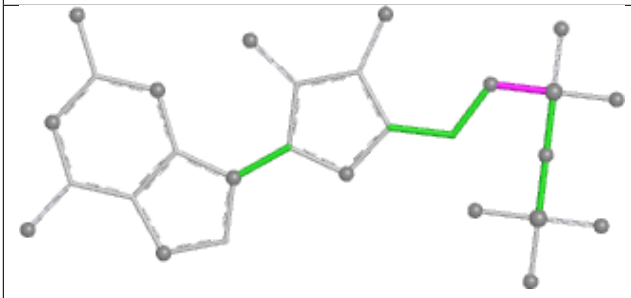
Ligand GDP KS 501



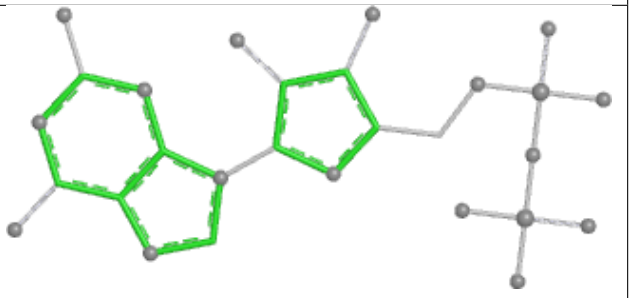
Bond lengths



Bond angles

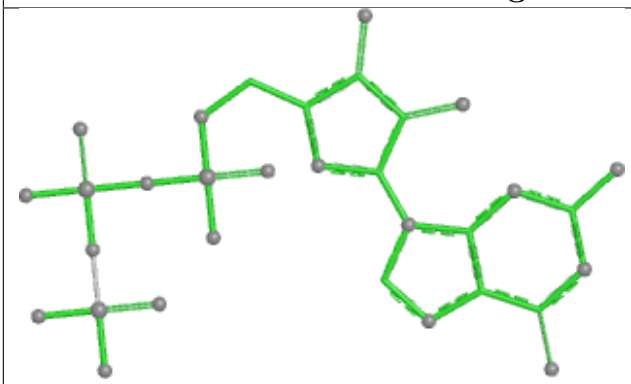


Torsions

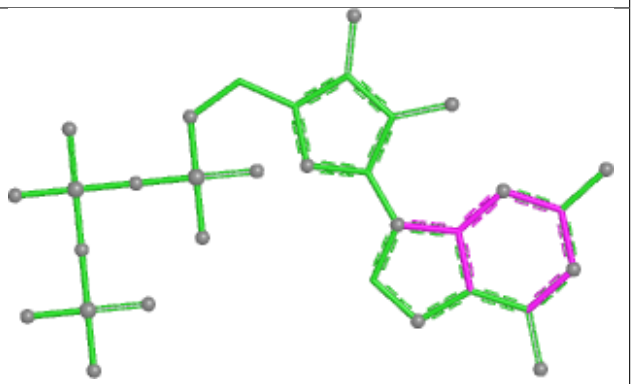


Rings

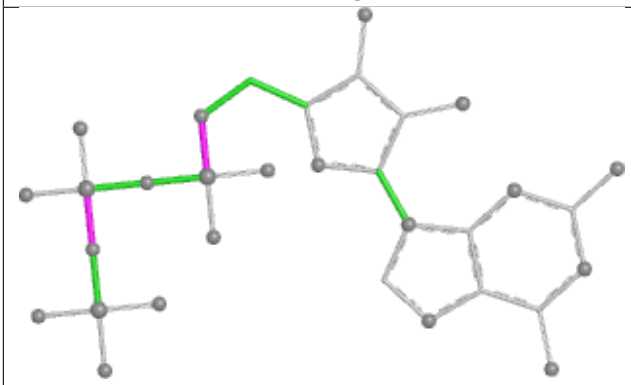
Ligand GTP KD 501



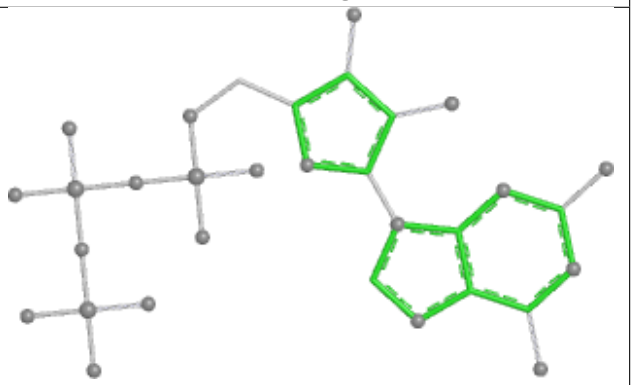
Bond lengths



Bond angles

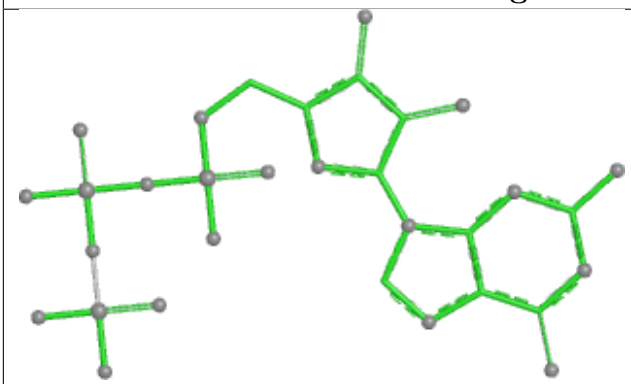


Torsions

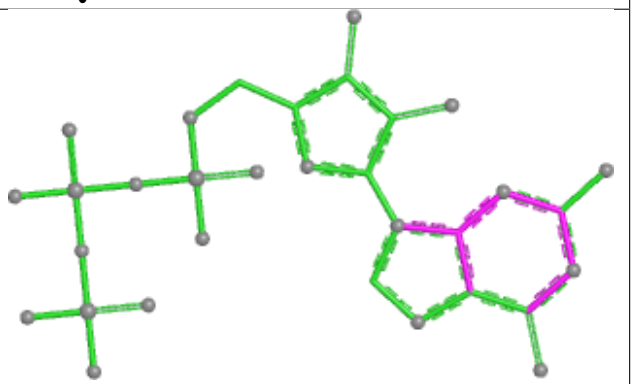


Rings

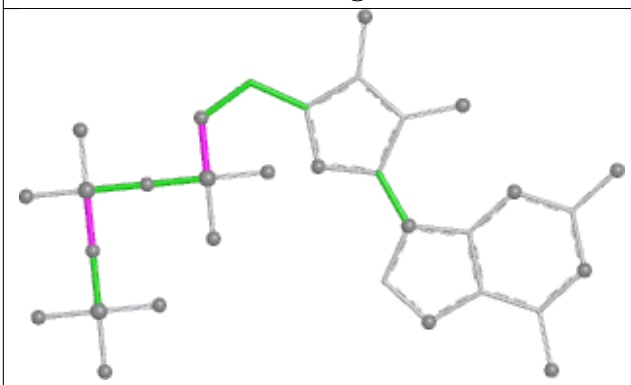
Ligand GTP PQ 501



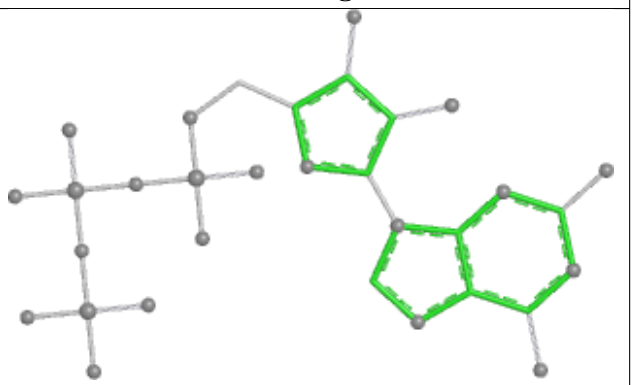
Bond lengths



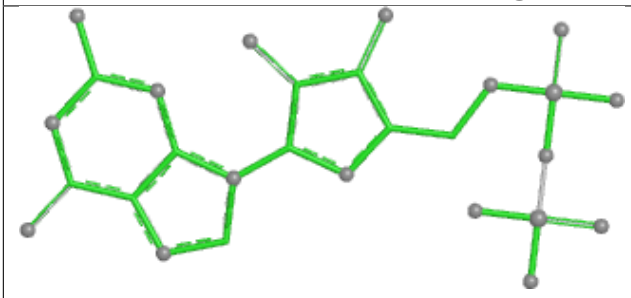
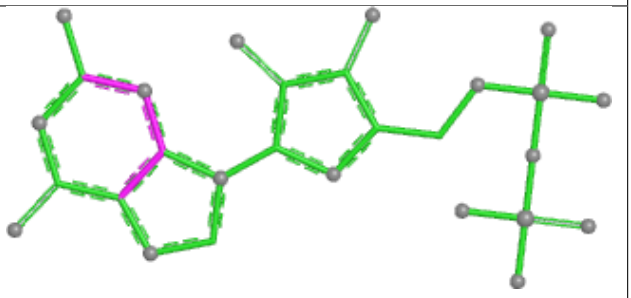
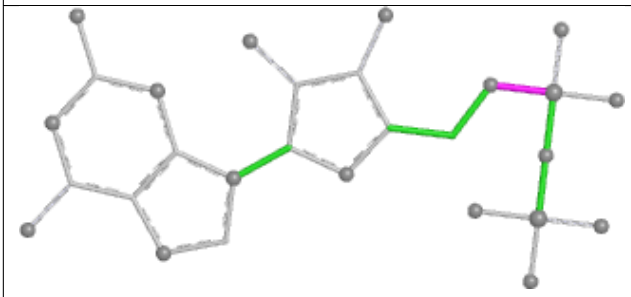
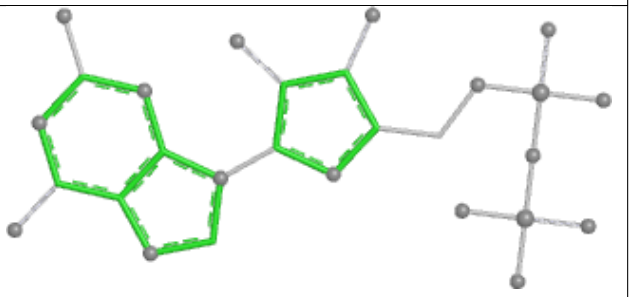
Bond angles

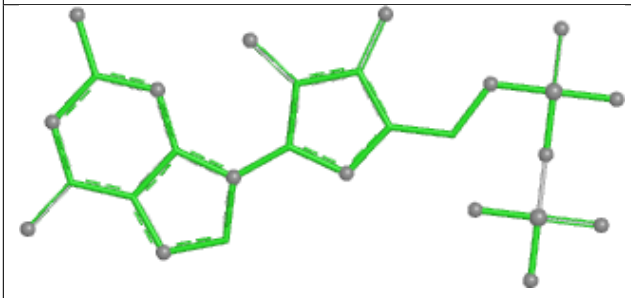
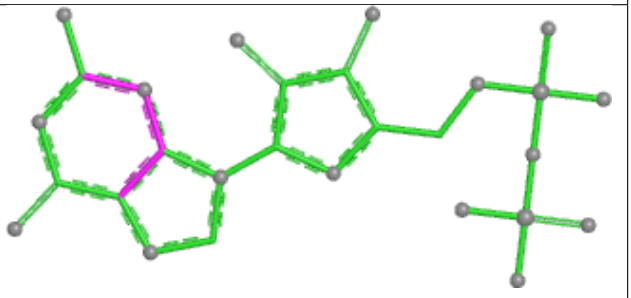
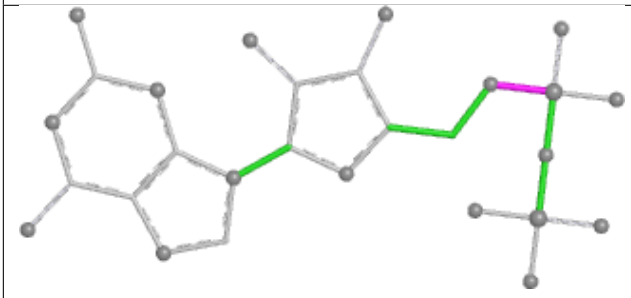
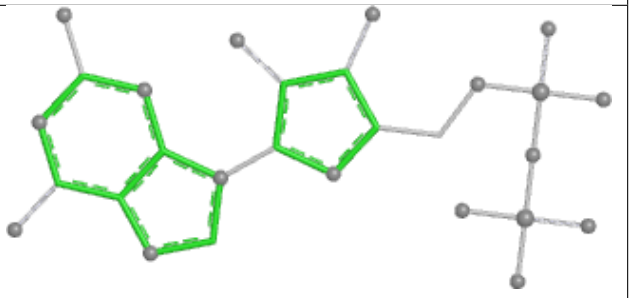


Torsions

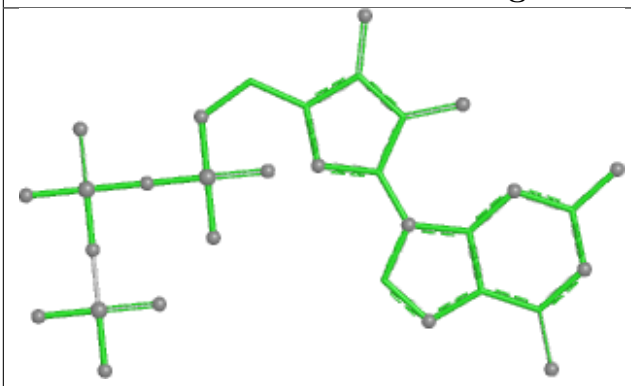


Rings

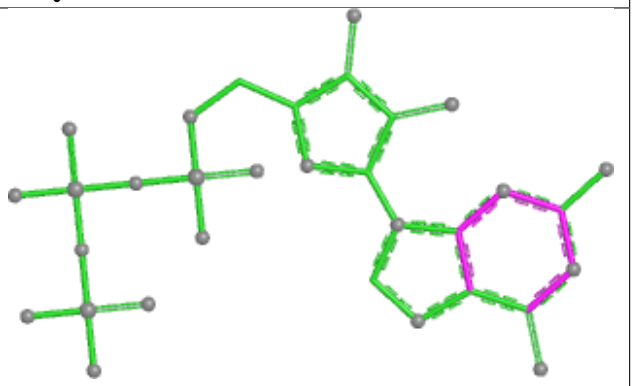
Ligand GDP FT 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP GH 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

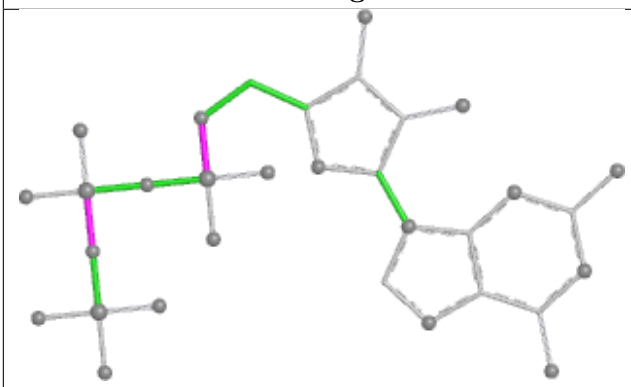
Ligand GTP QA 602



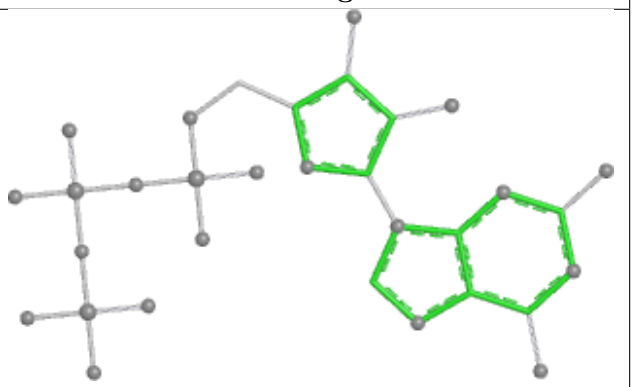
Bond lengths



Bond angles

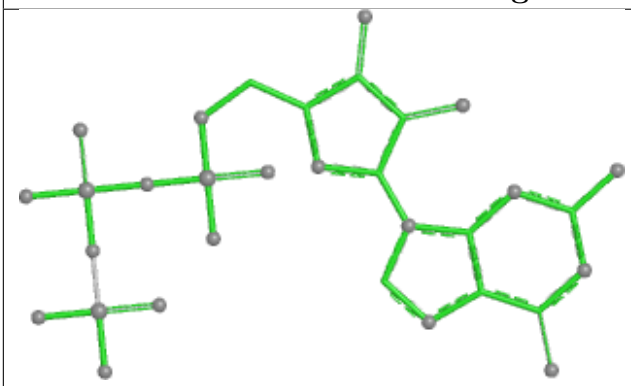


Torsions

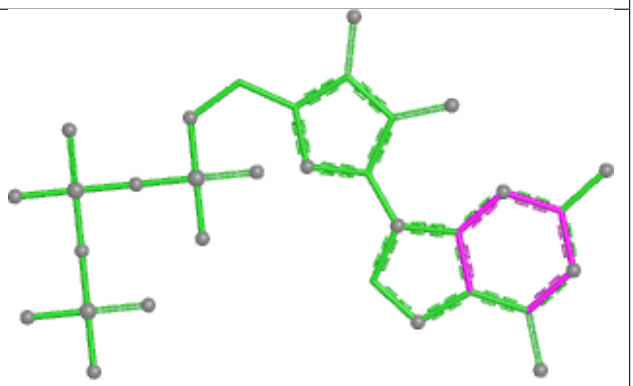


Rings

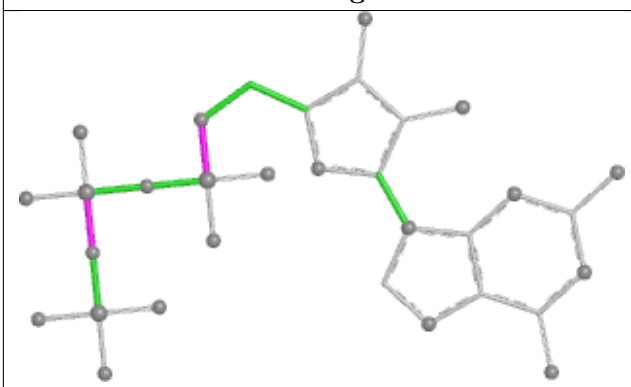
Ligand GTP YL 602



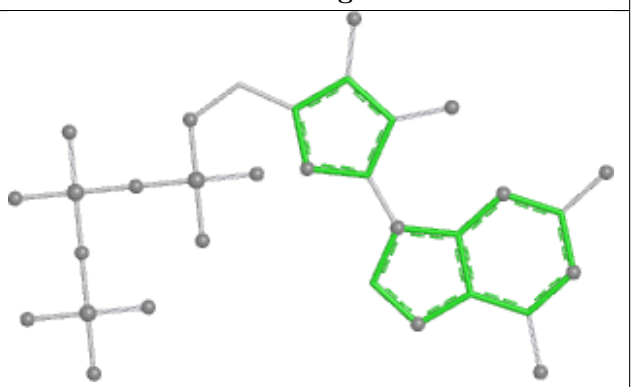
Bond lengths



Bond angles

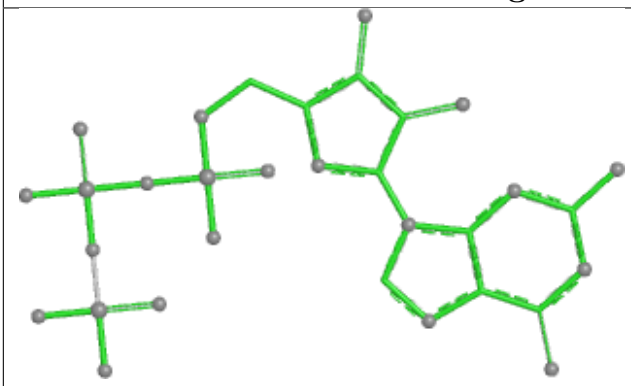


Torsions

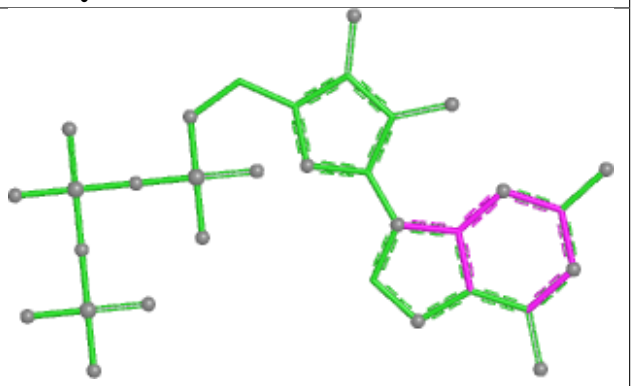


Rings

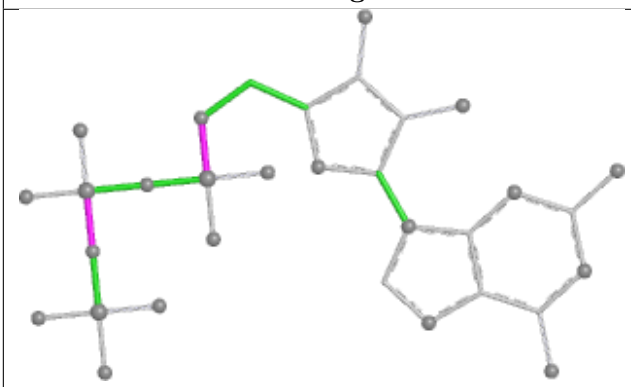
Ligand GTP HQ 602



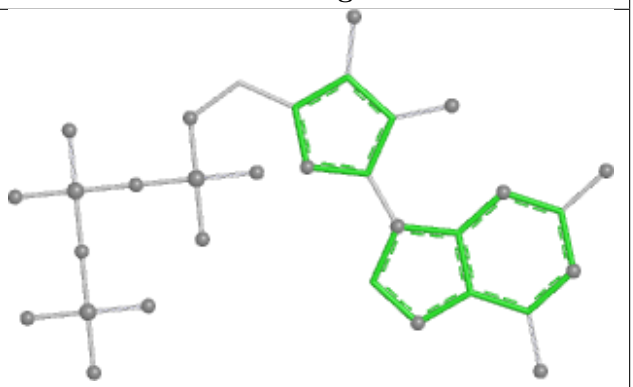
Bond lengths



Bond angles

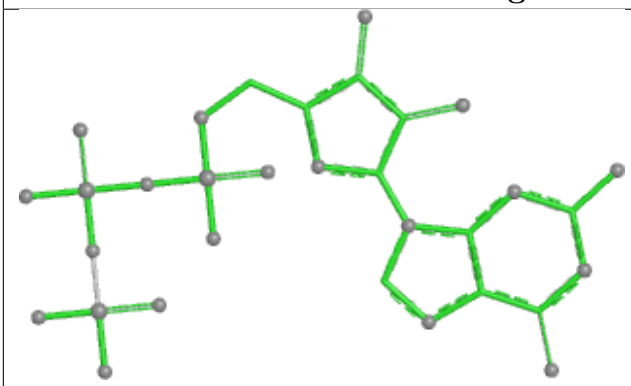


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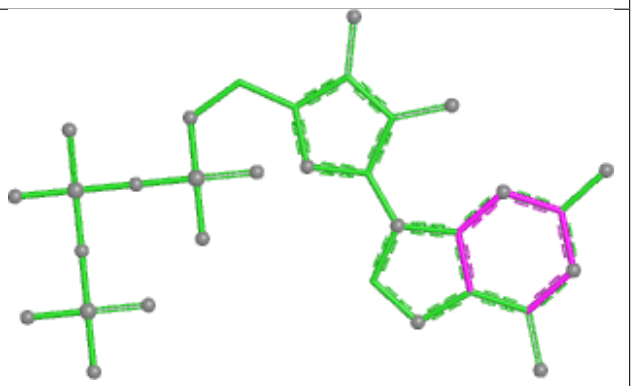


Rings

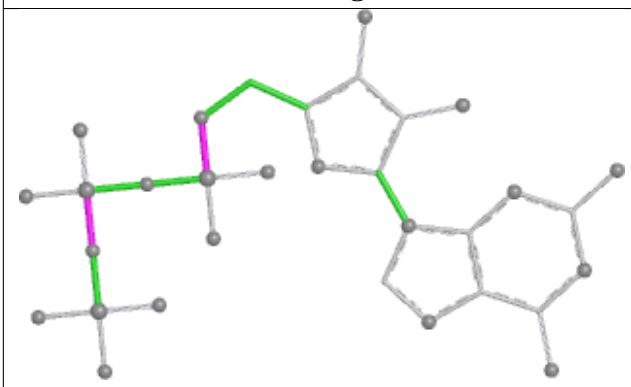
Ligand GTP ND 501



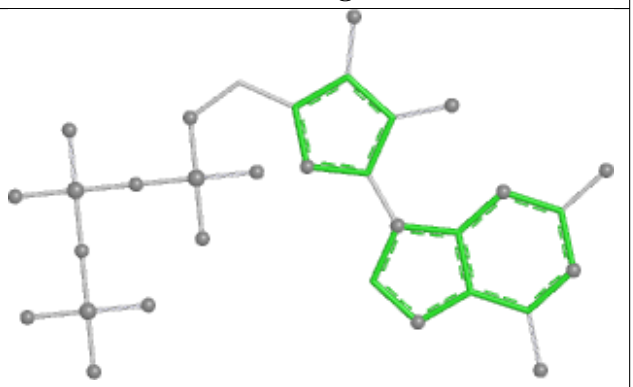
Bond lengths



Bond angles

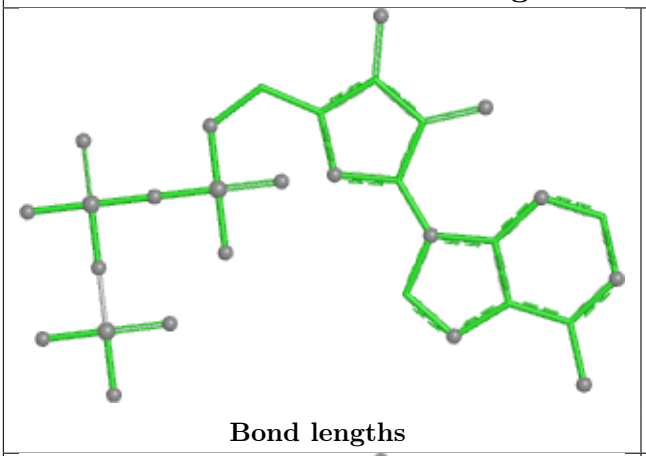


Torsions

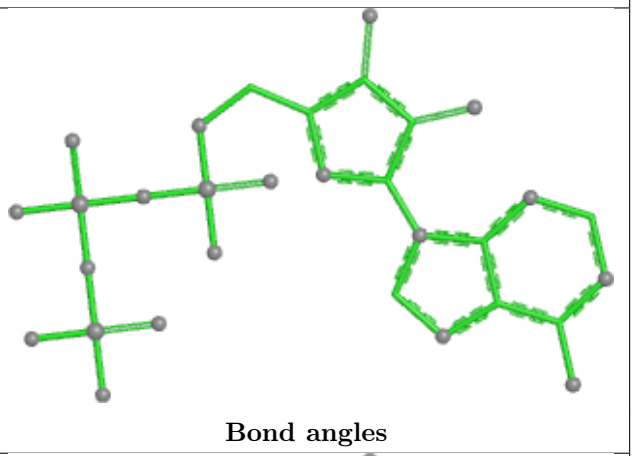


Rings

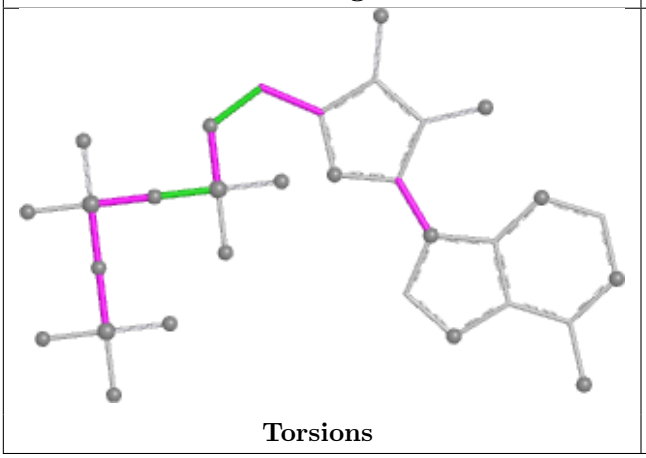
Ligand ATP 7a 4702



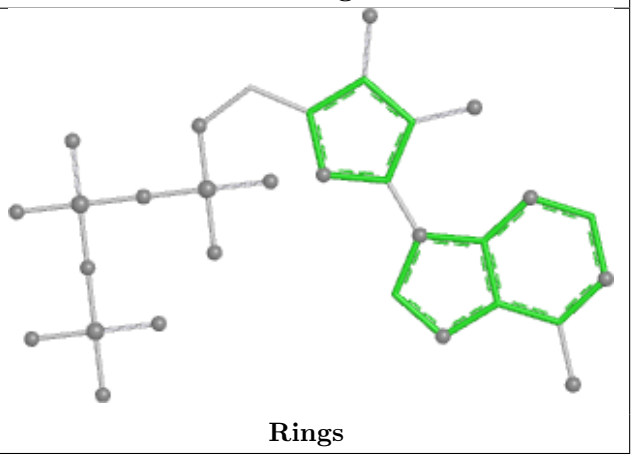
Bond lengths



Bond angles

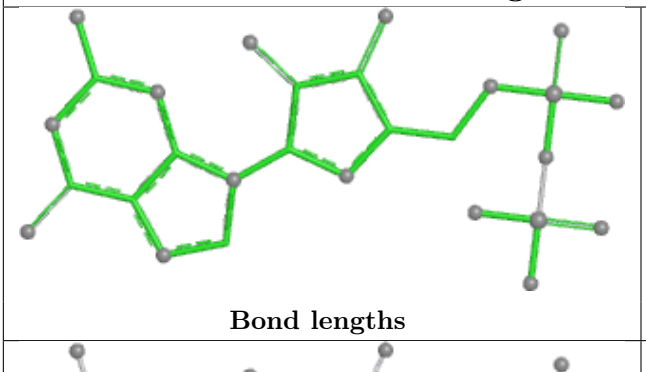


Torsions

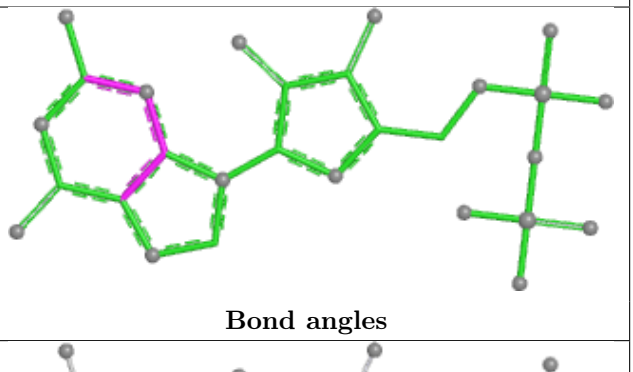


Rings

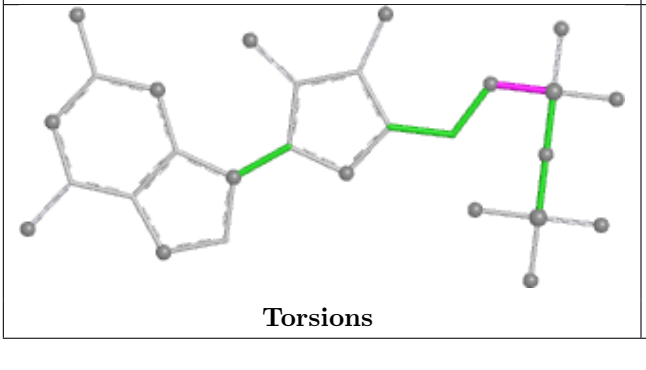
Ligand GDP KY 501



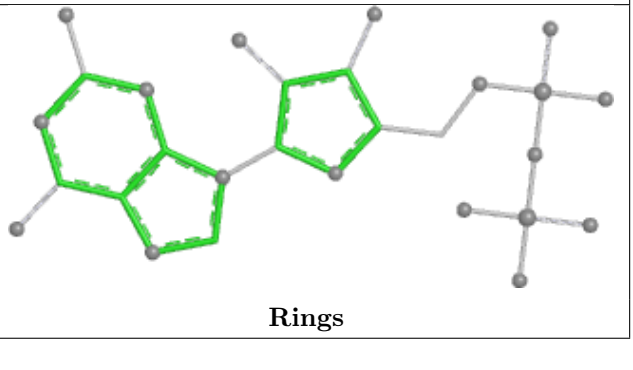
Bond lengths



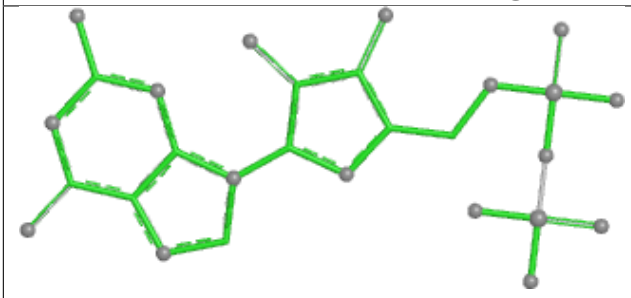
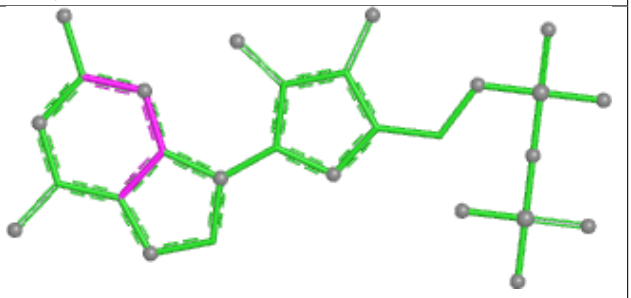
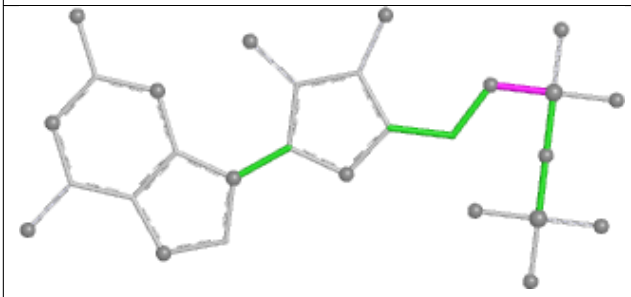
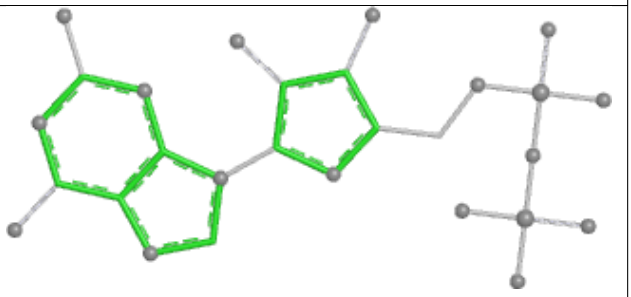
Bond angles

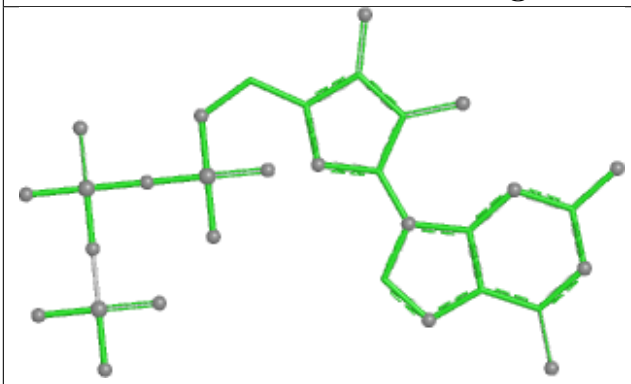
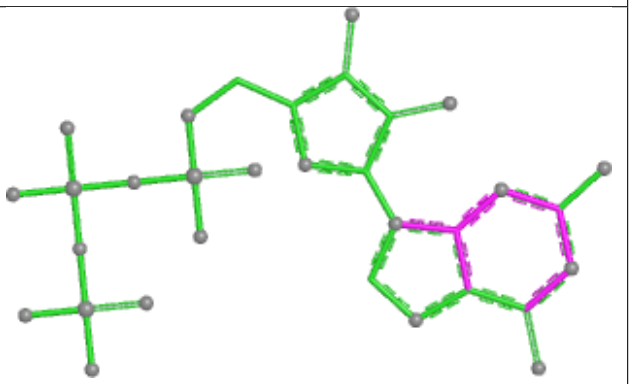
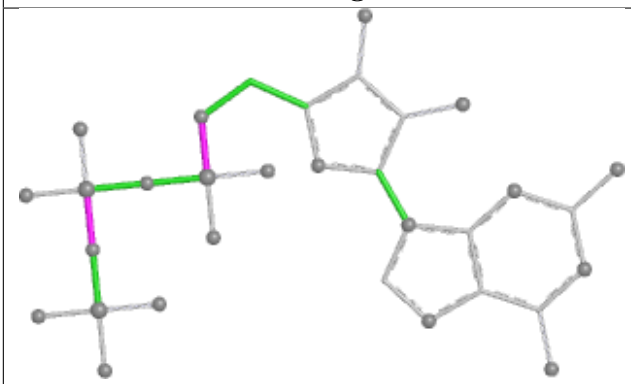
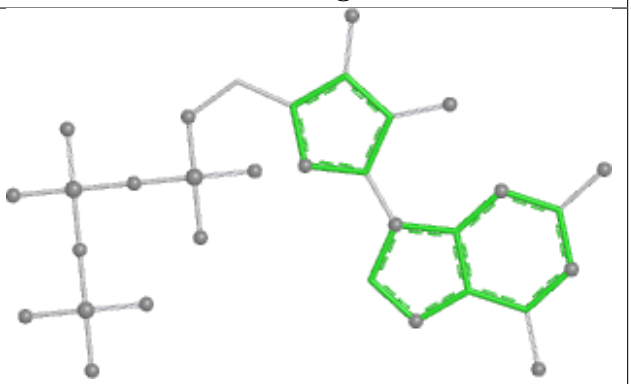


Torsions

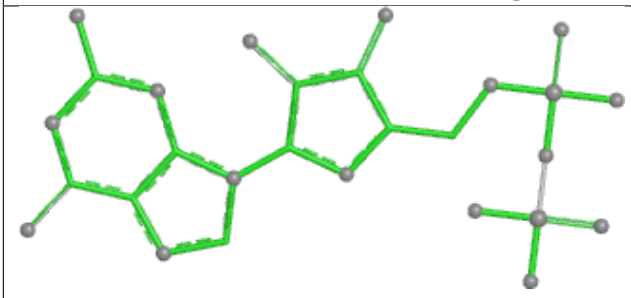


Rings

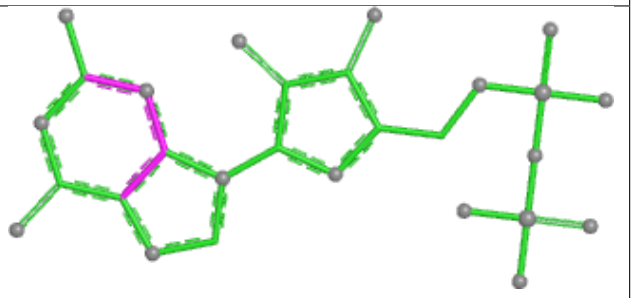
Ligand GDP QN 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP RO 602	
 Bond lengths	 Bond angles
 Torsions	 Rings

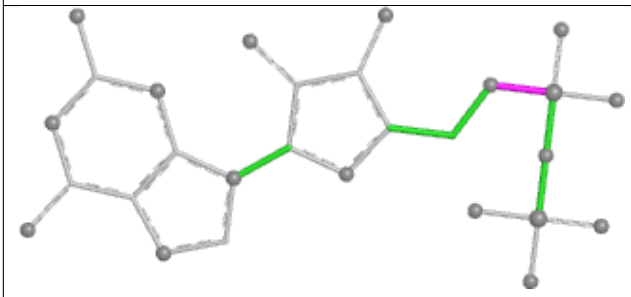
Ligand GDP AU 501



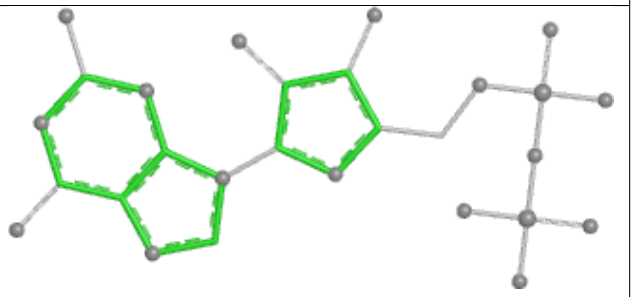
Bond lengths



Bond angles

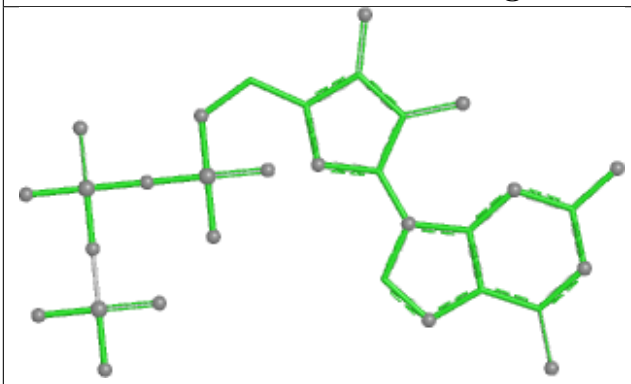


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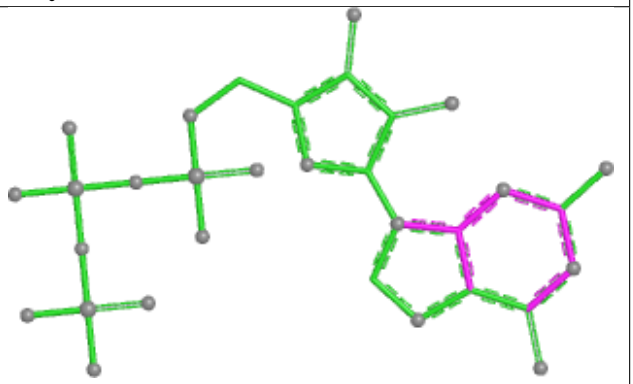


Rings

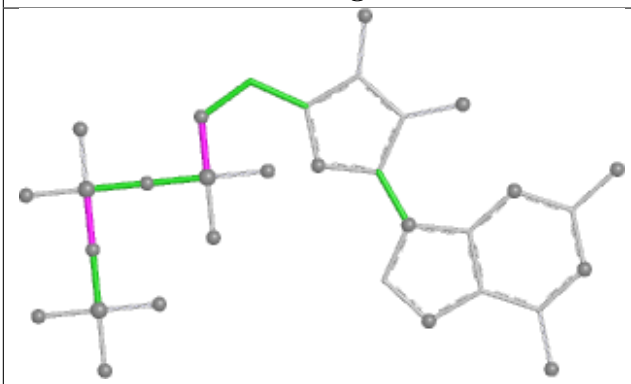
Ligand GTP QW 501



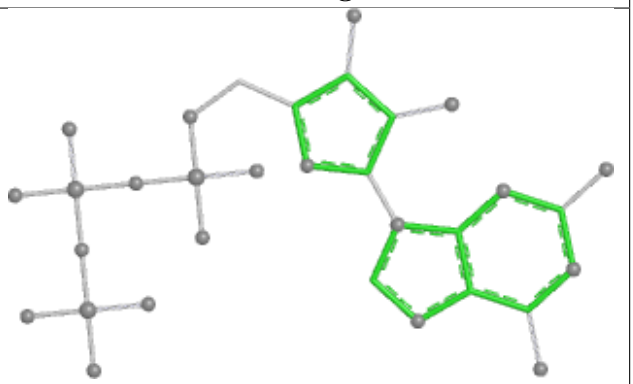
Bond lengths



Bond angles

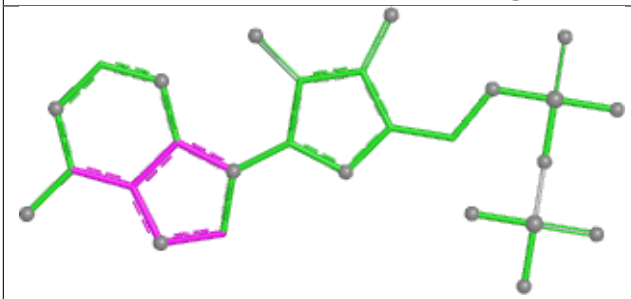


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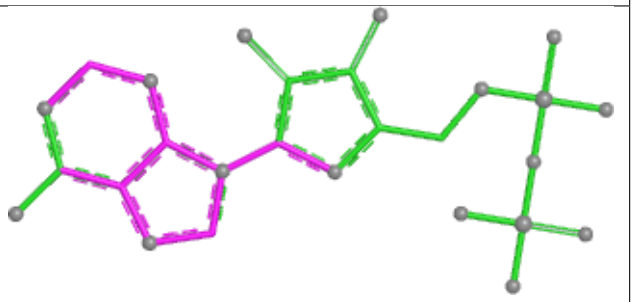


Rings

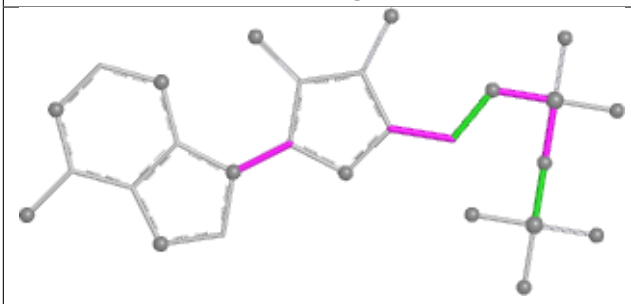
Ligand ADP 7b 4704



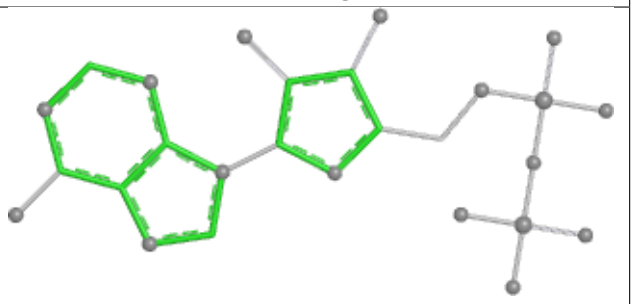
Bond lengths



Bond angles

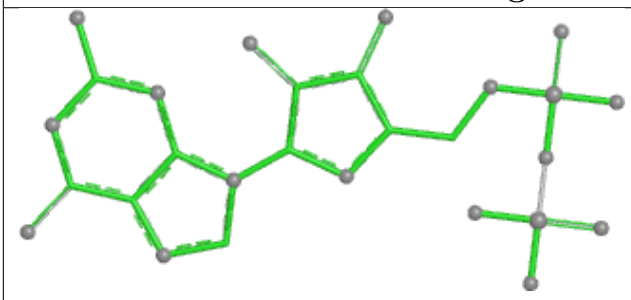


Torsions

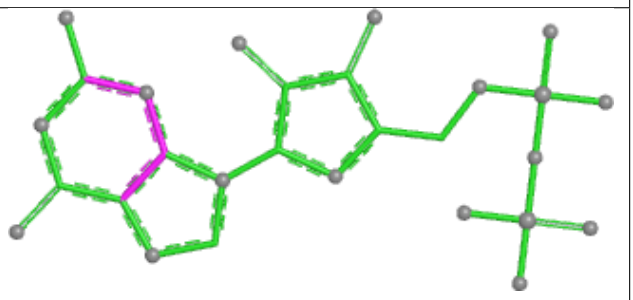


Rings

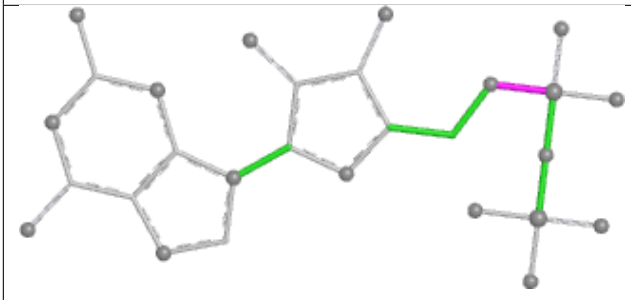
Ligand GDP JM 501



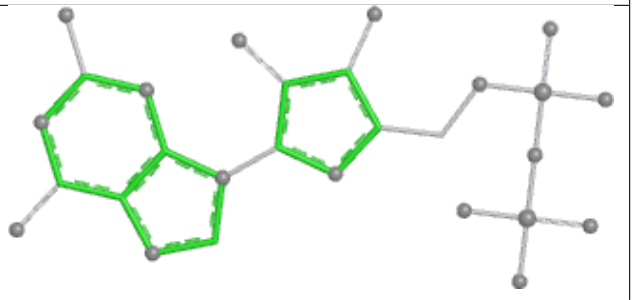
Bond lengths



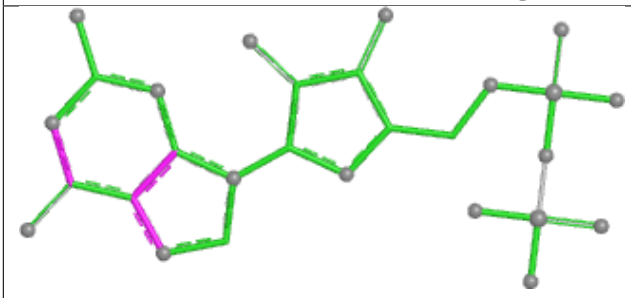
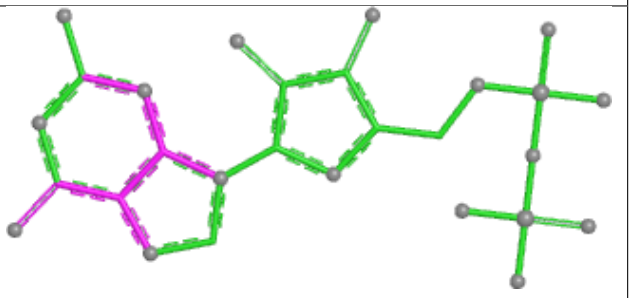
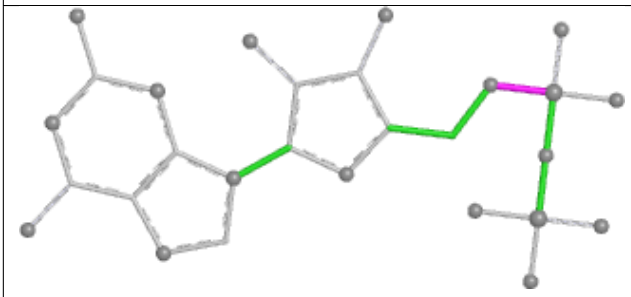
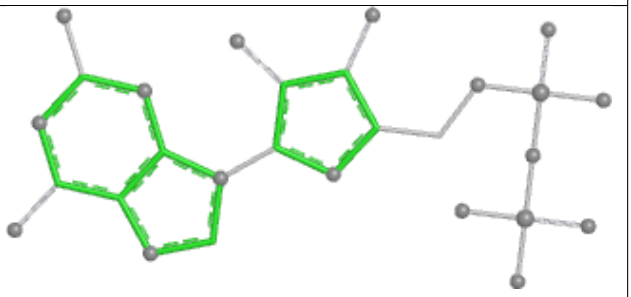
Bond angles

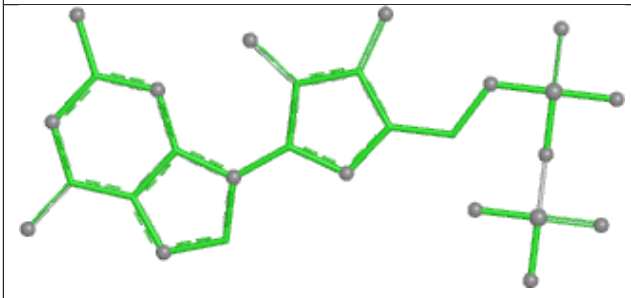
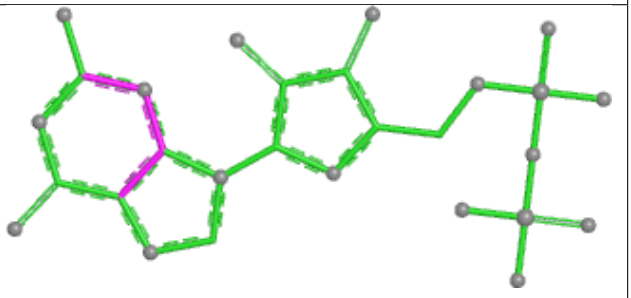
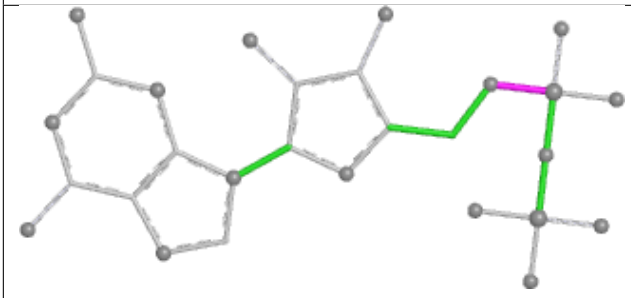
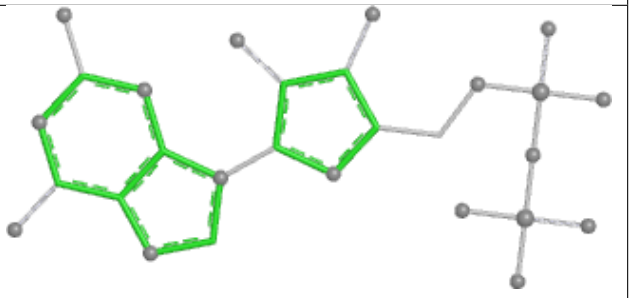


Torsions

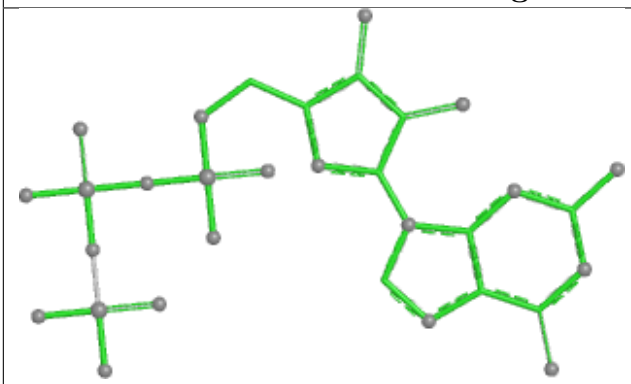


Rings

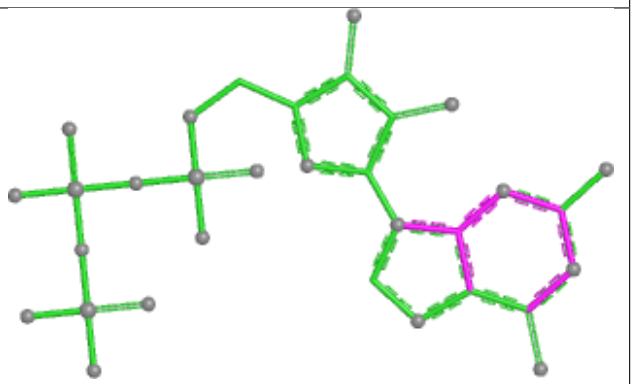
Ligand GDP ID 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP RJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

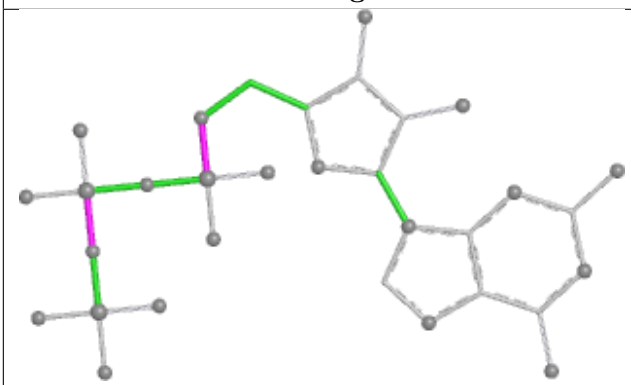
Ligand GTP AF 501



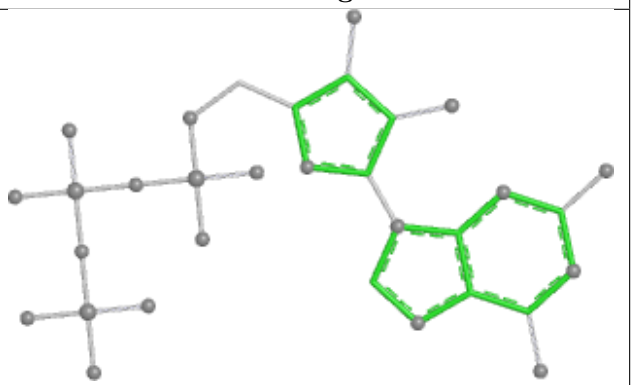
Bond lengths



Bond angles

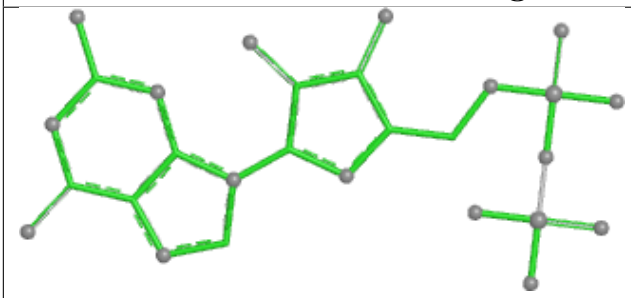


Torsions

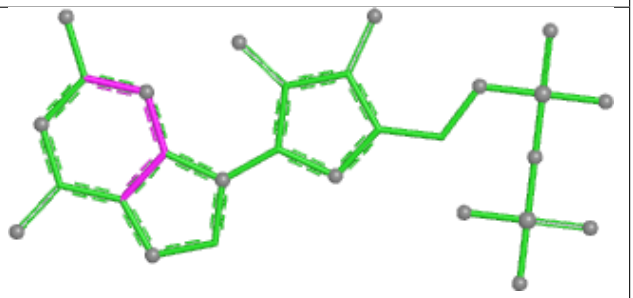


Rings

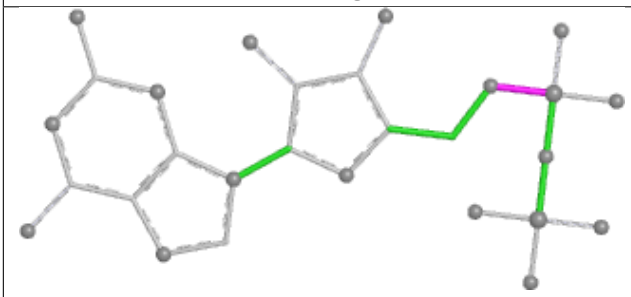
Ligand GDP RP 501



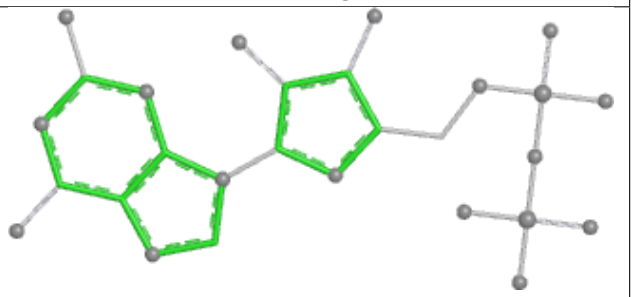
Bond lengths



Bond angles

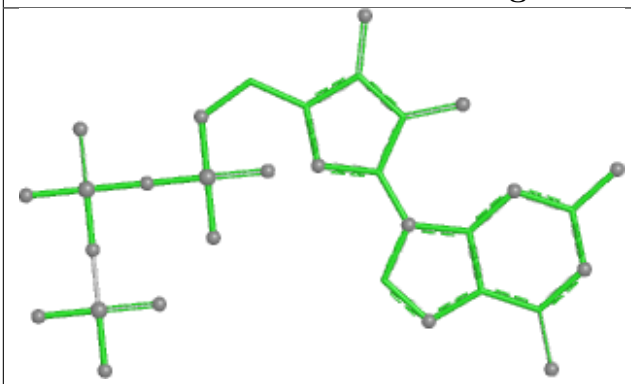


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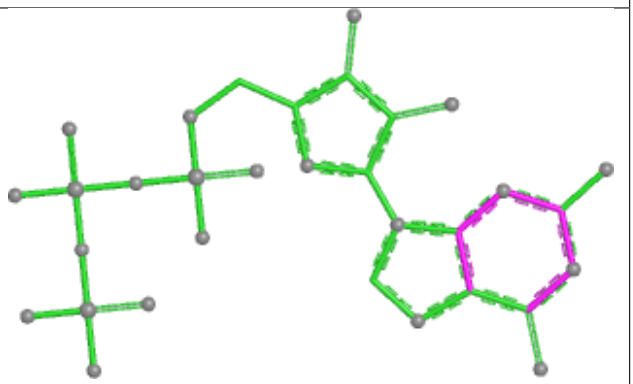


Rings

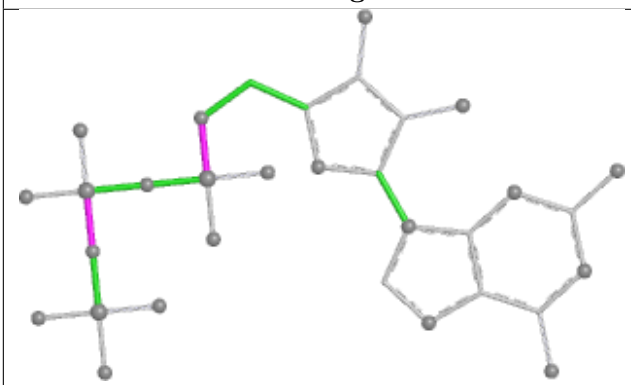
Ligand GTP MJ 602



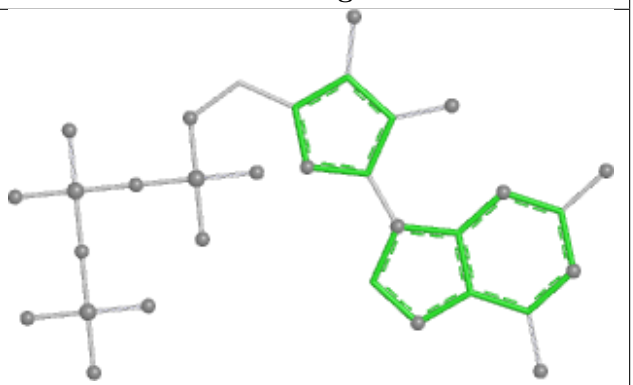
Bond lengths



Bond angles

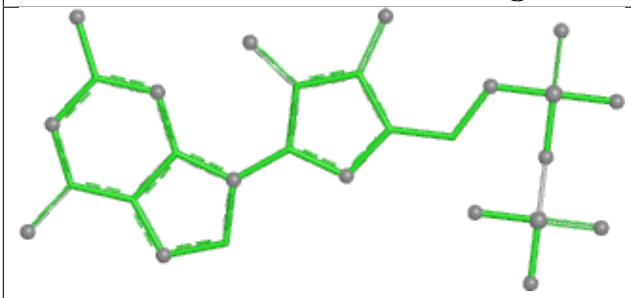


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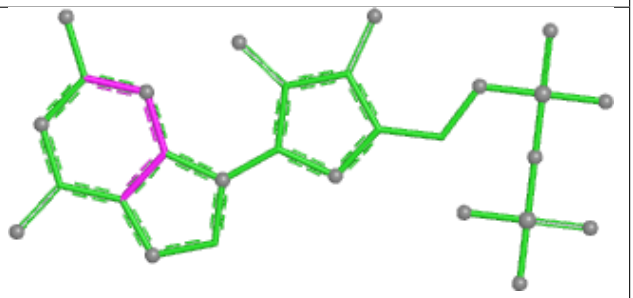


Rings

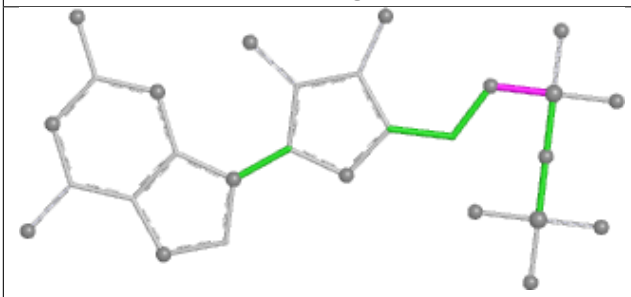
Ligand GDP AY 501



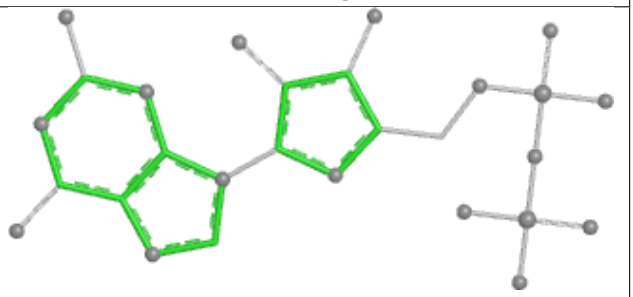
Bond lengths



Bond angles

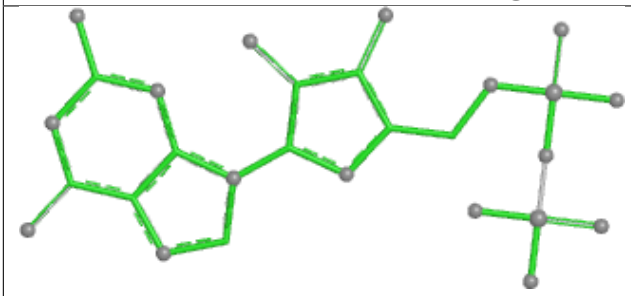


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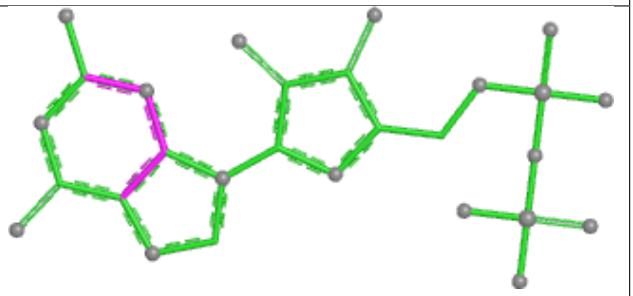


Rings

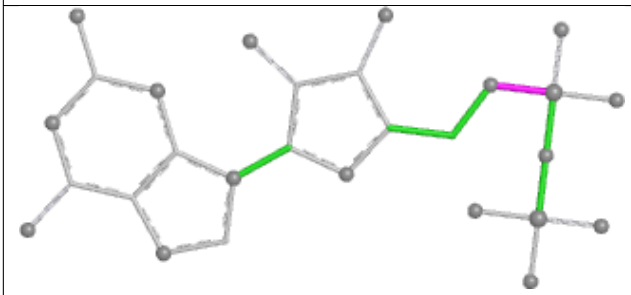
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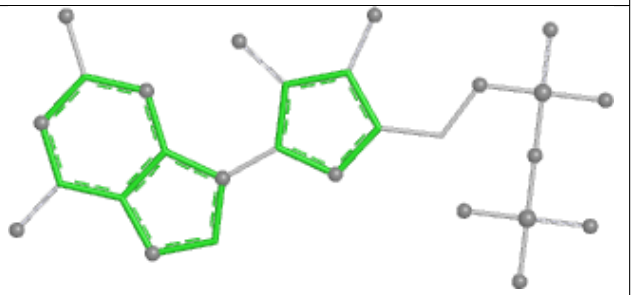
Bond lengths



Bond angles

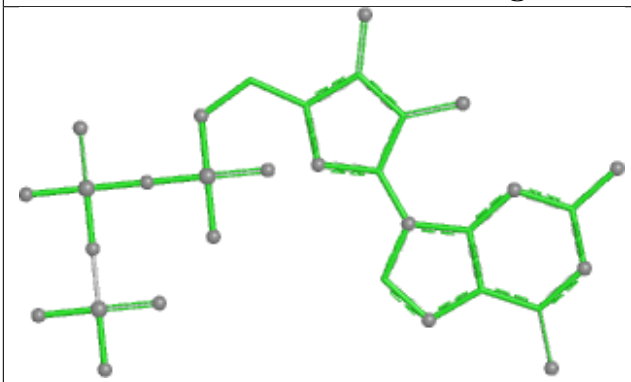


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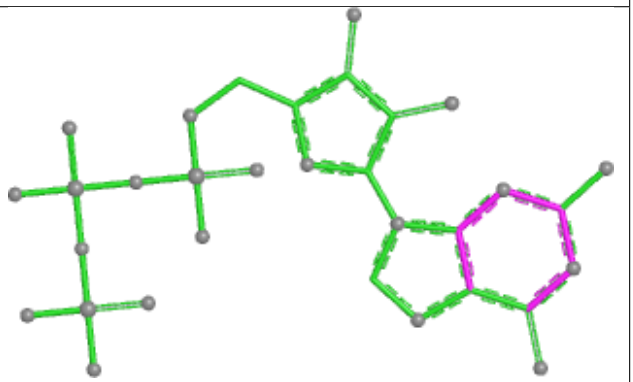


Rings

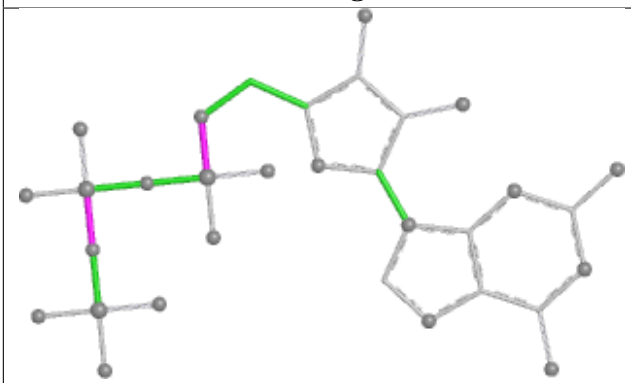
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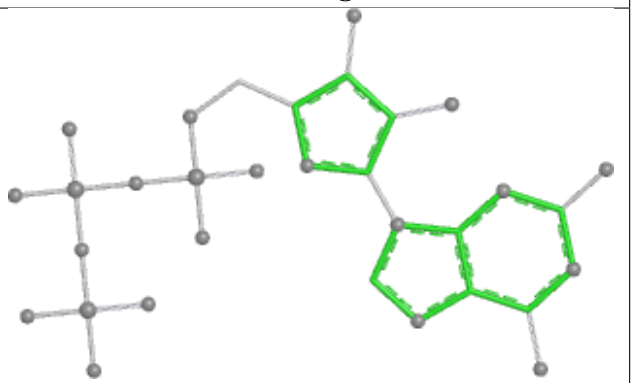
Bond lengths



Bond angles

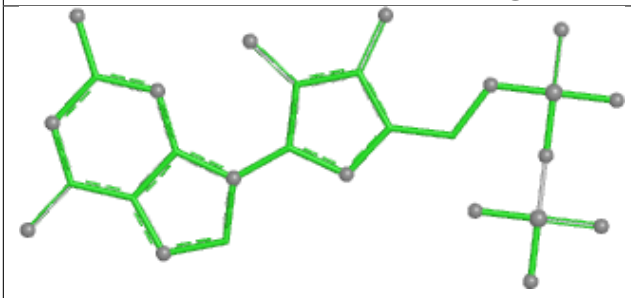


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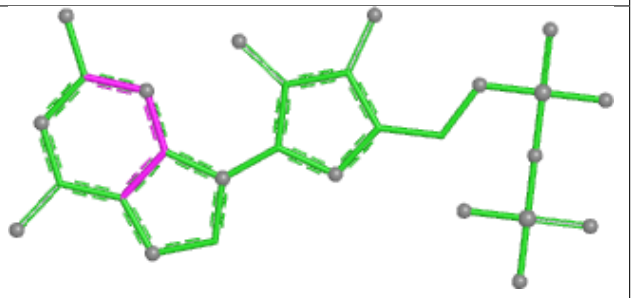


Rings

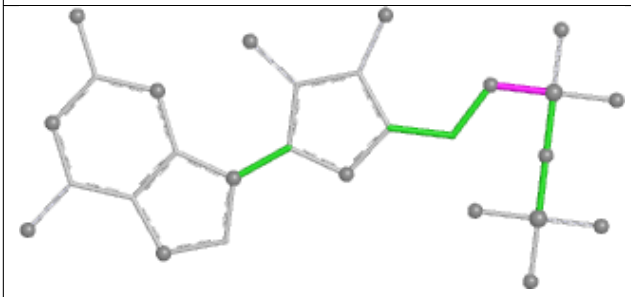
Ligand GDP GD 501



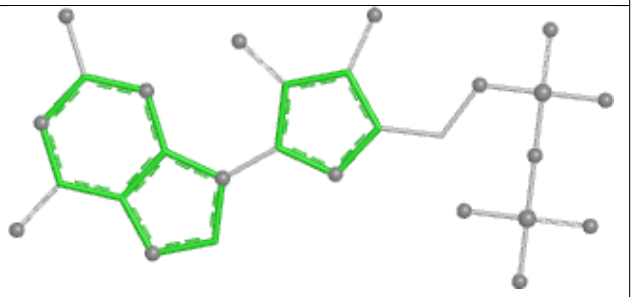
Bond lengths



Bond angles

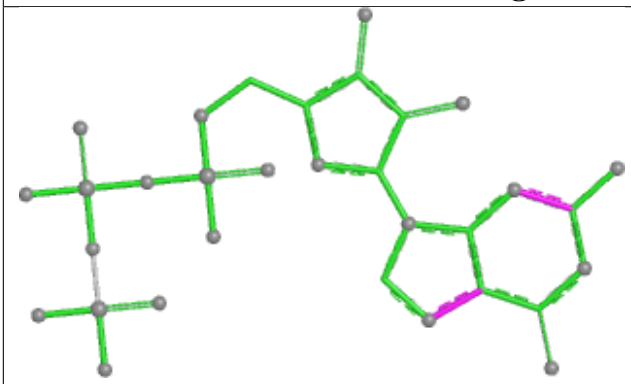


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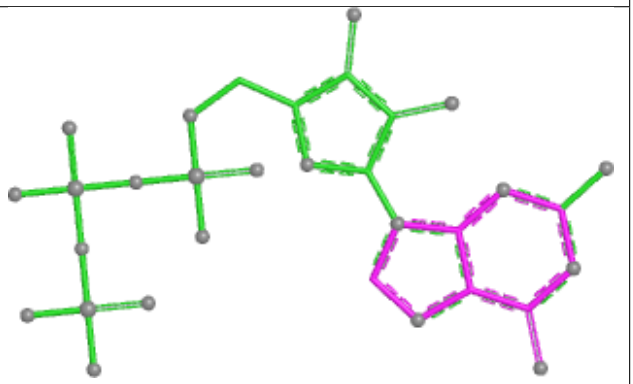


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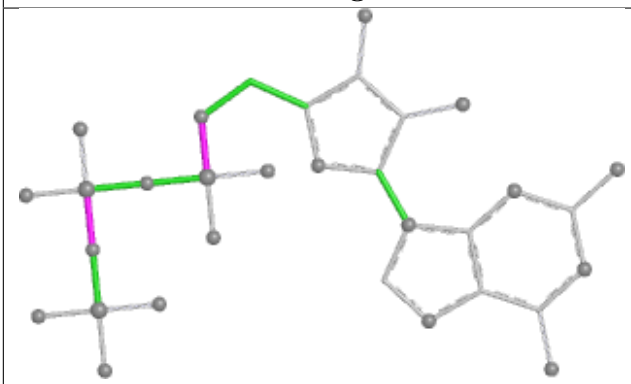
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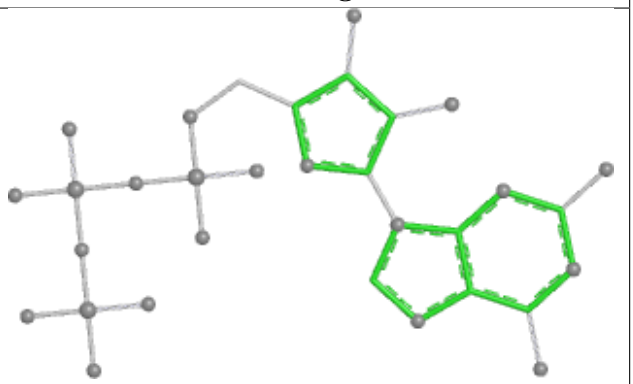
Bond lengths



Bond angles

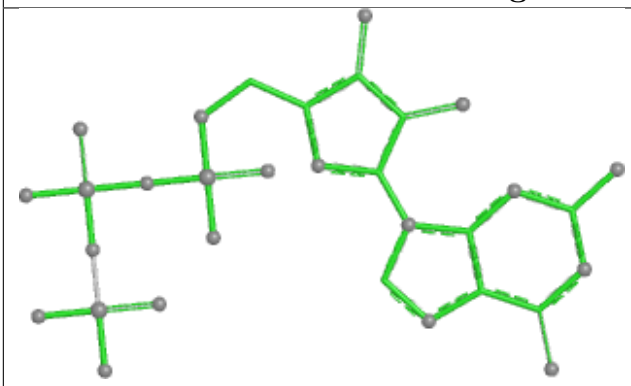


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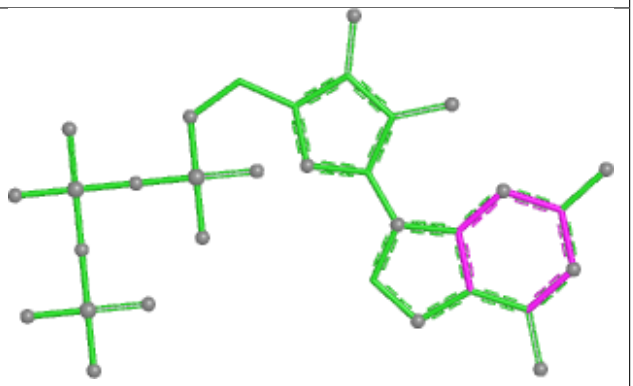


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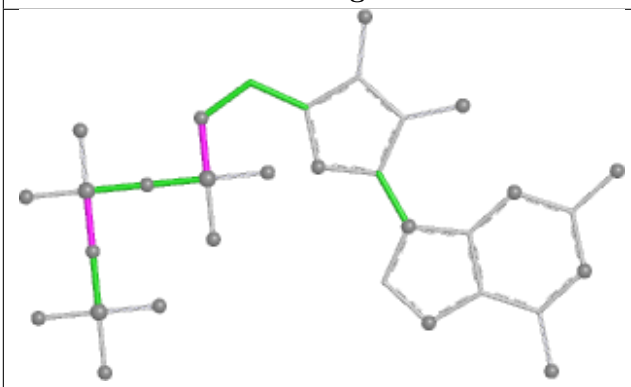
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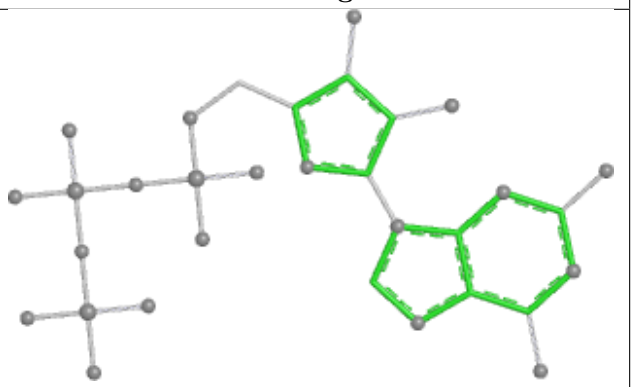
Bond lengths



Bond angles

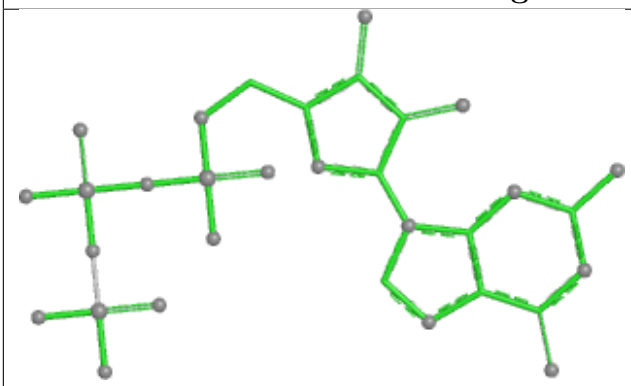


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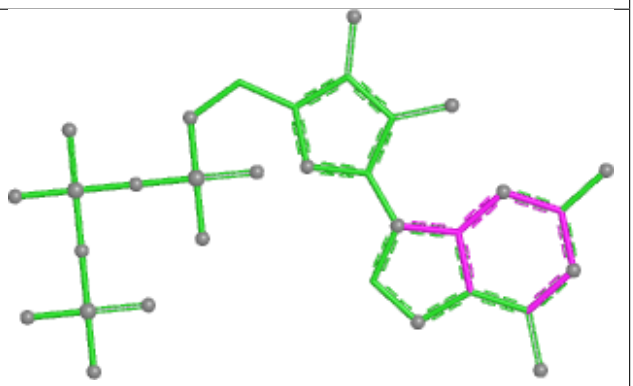


Rings

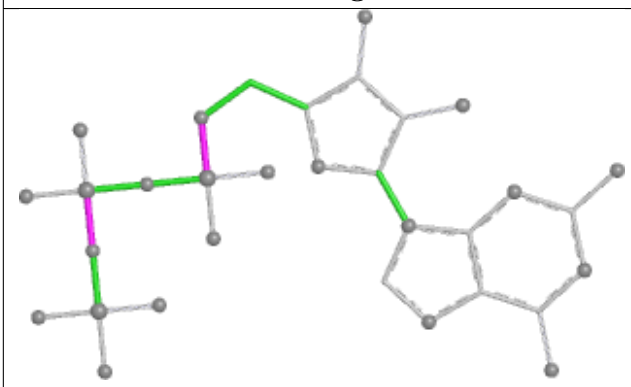
Ligand GTP LN 501



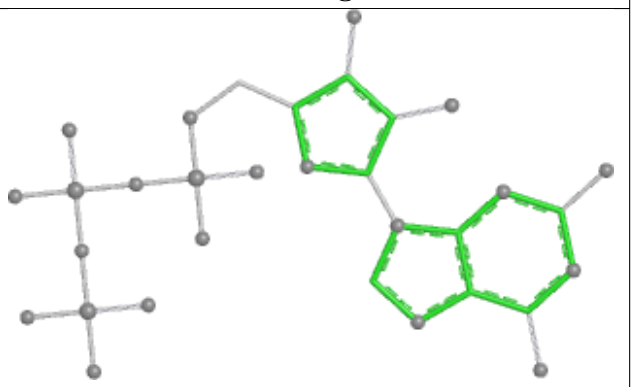
Bond lengths



Bond angles

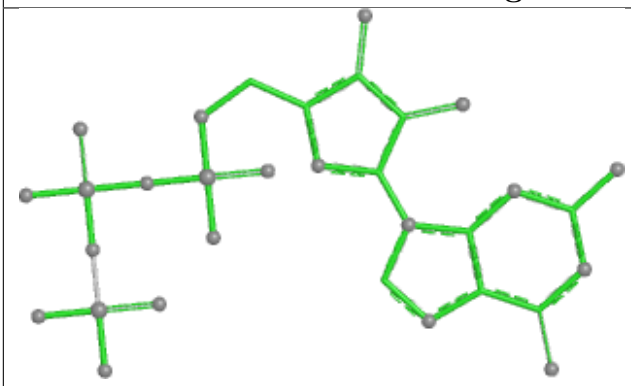


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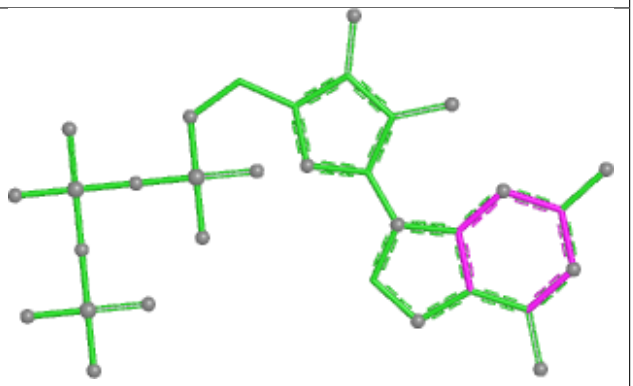


Rings

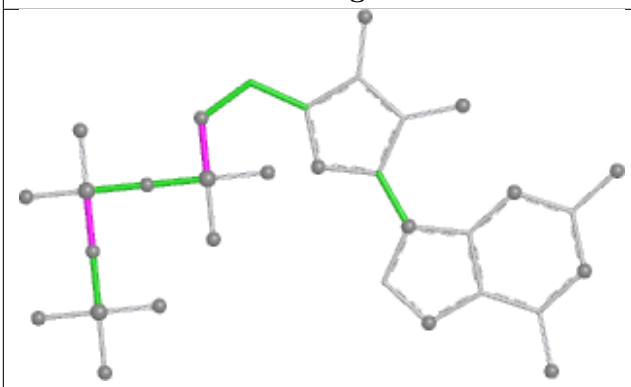
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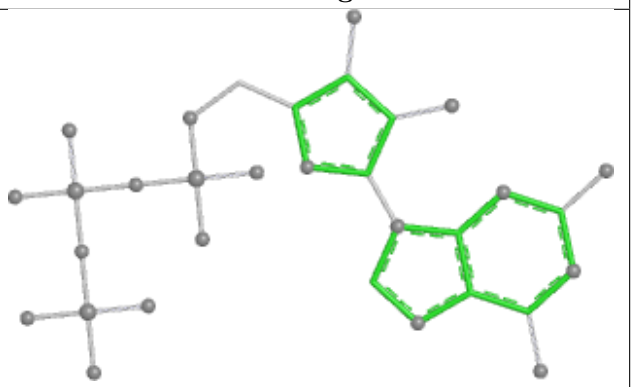
Bond lengths



Bond angles

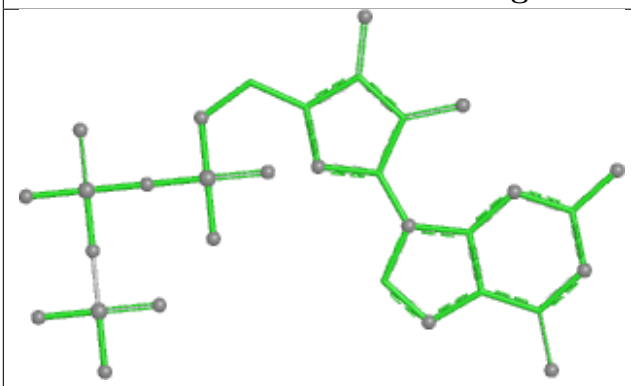


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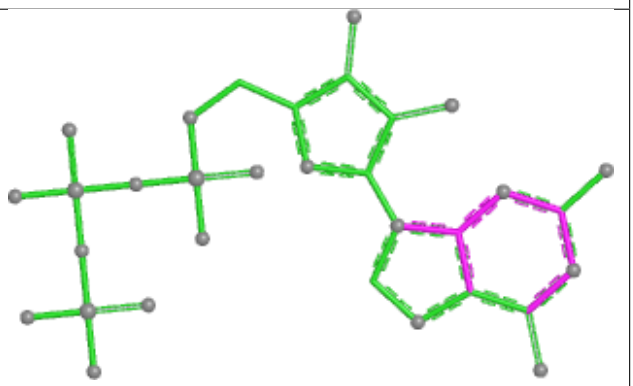


Rings

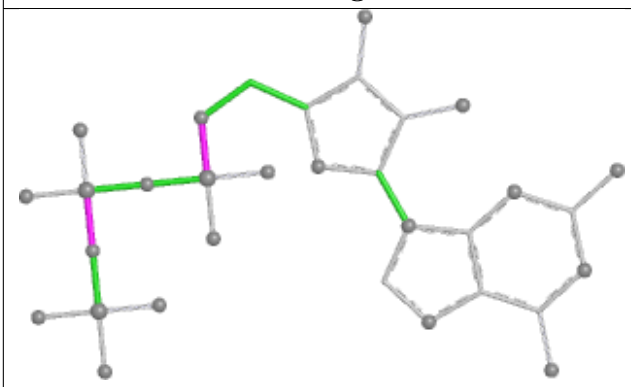
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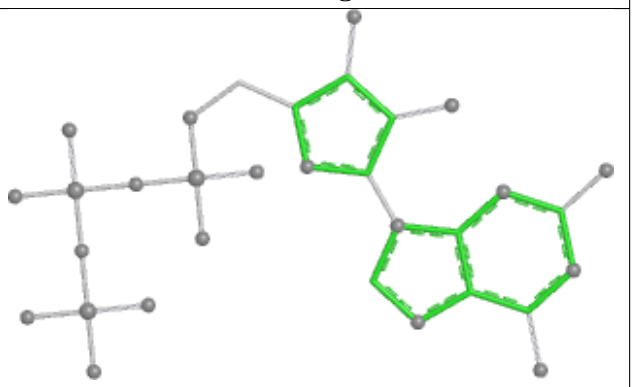
Bond lengths



Bond angles

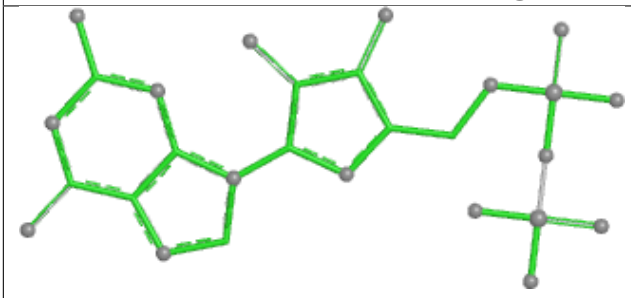


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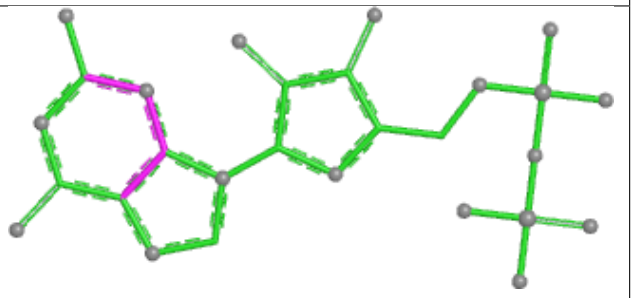


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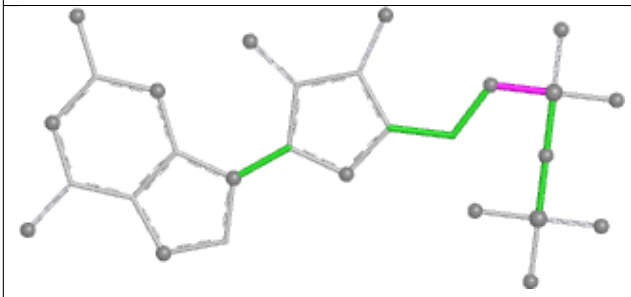
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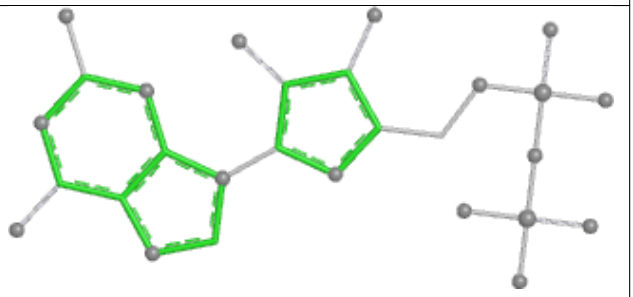
Bond lengths



Bond angles

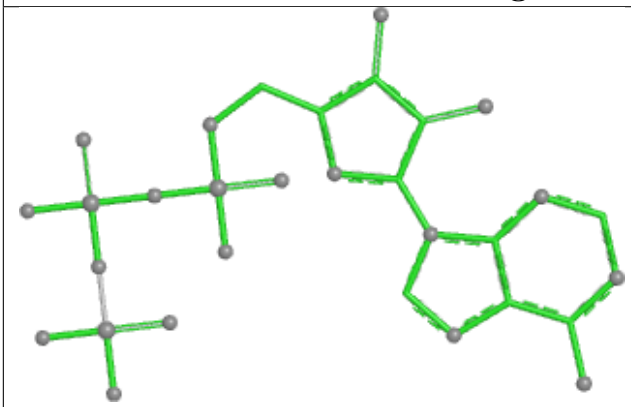


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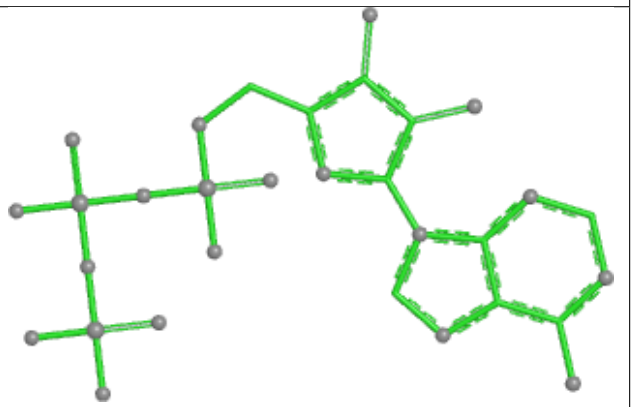


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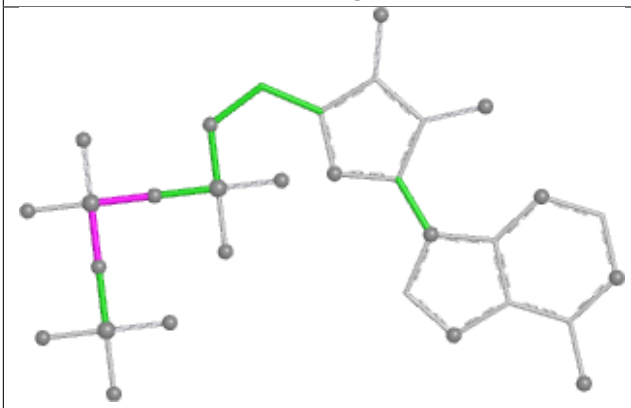
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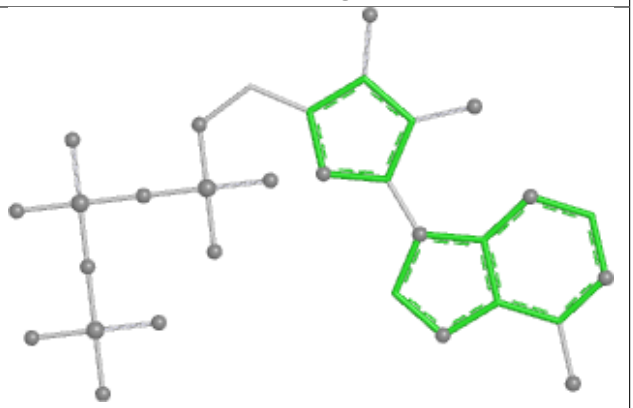
Bond lengths



Bond angles

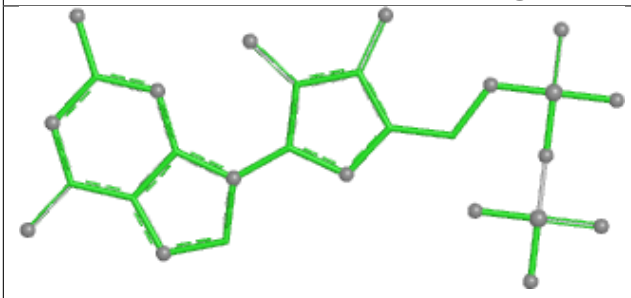


Torsions

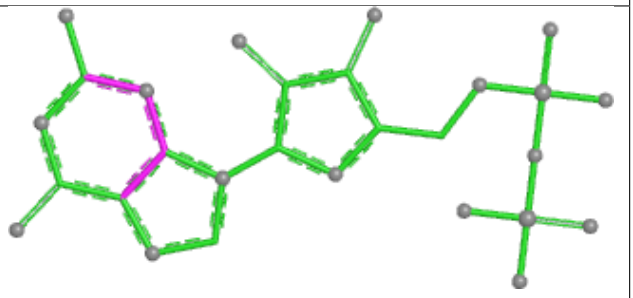


Rings

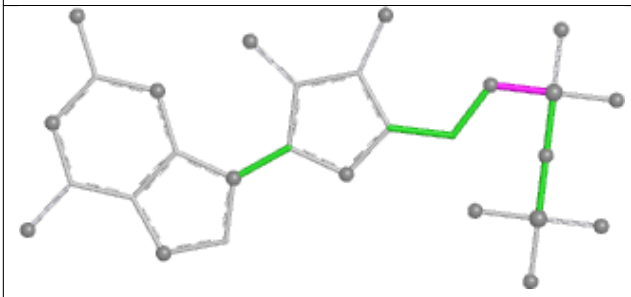
Ligand GDP SV 501



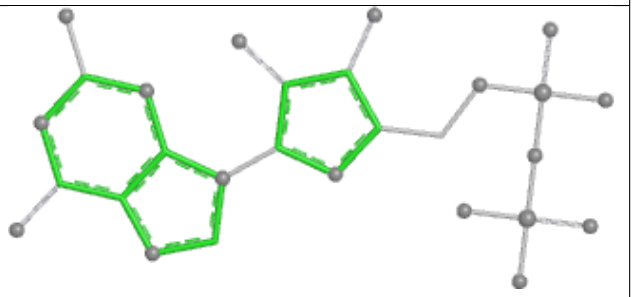
Bond lengths



Bond angles

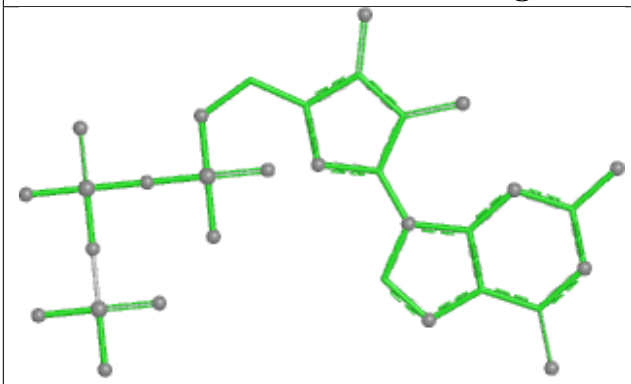


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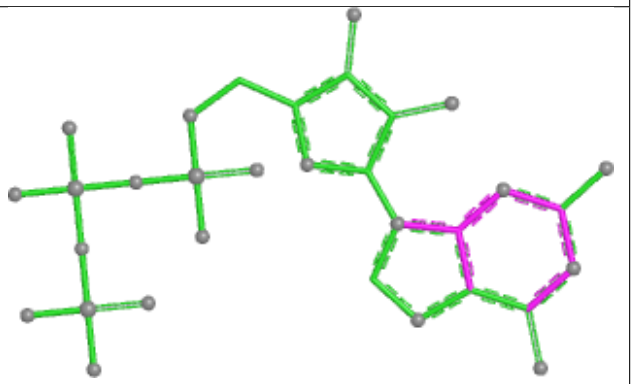


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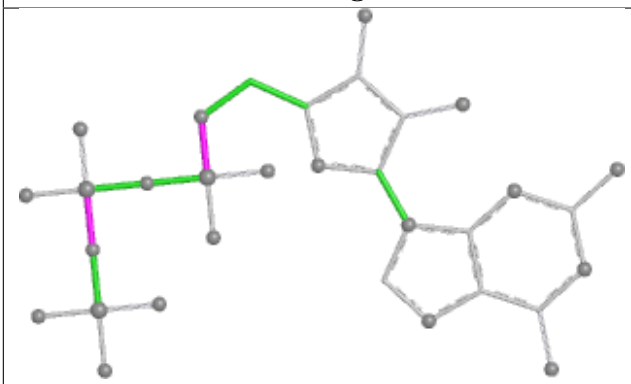
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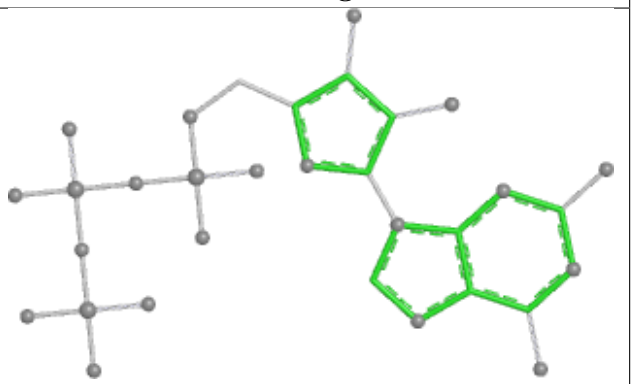
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Bond angles

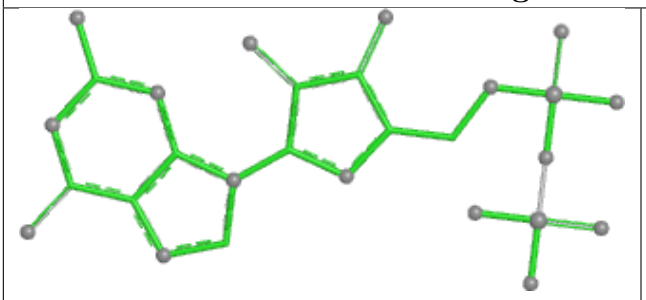


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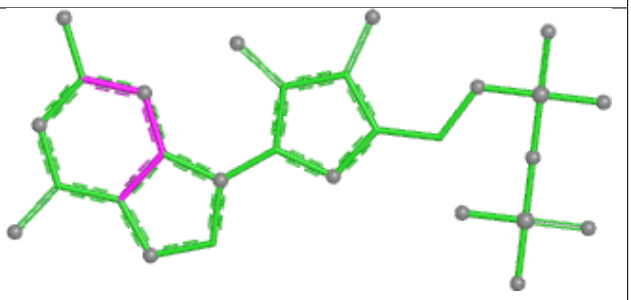


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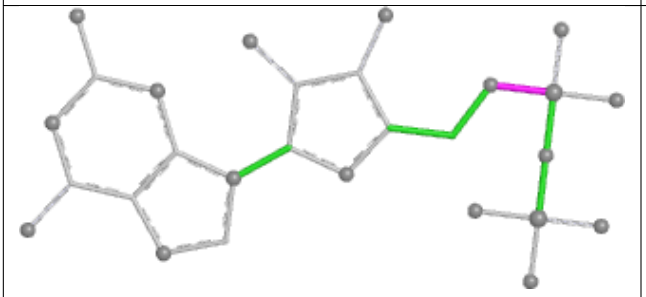
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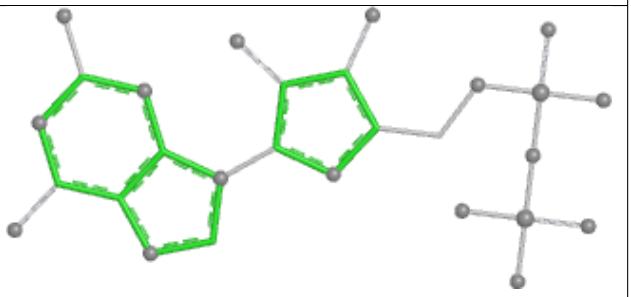
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Bond angles

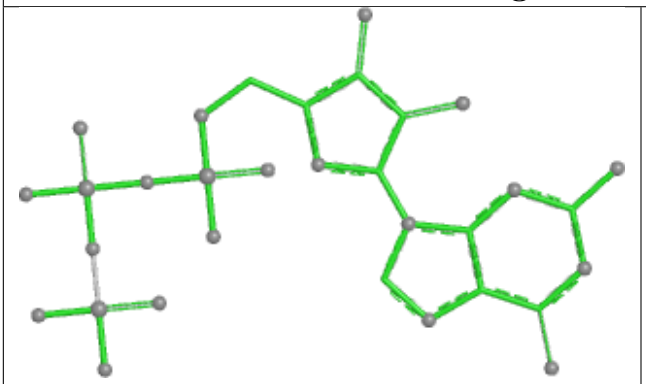


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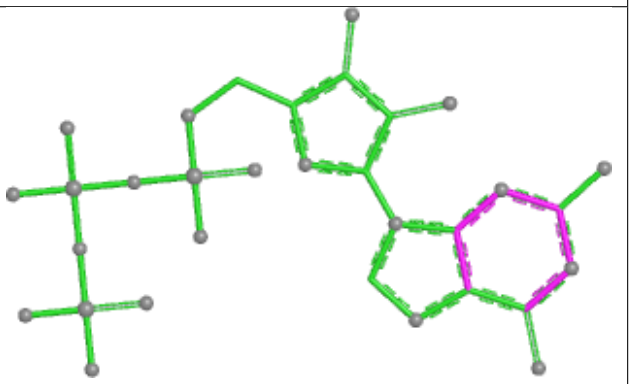


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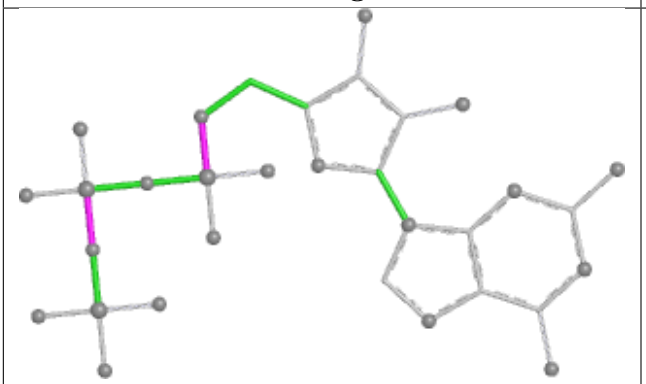
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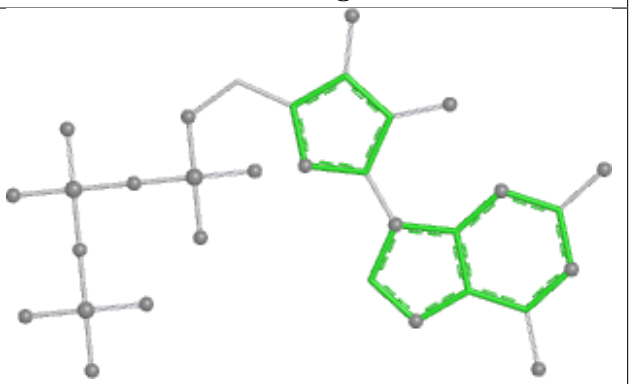
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Bond angles

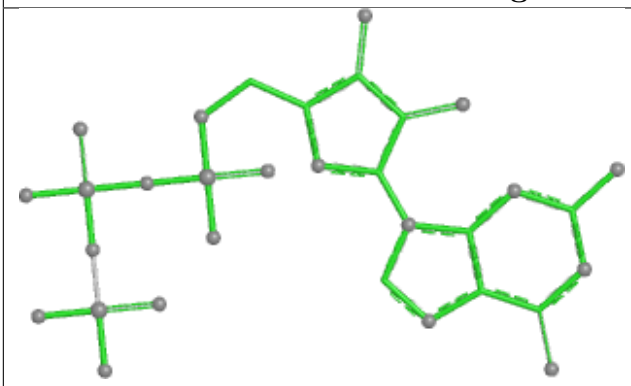


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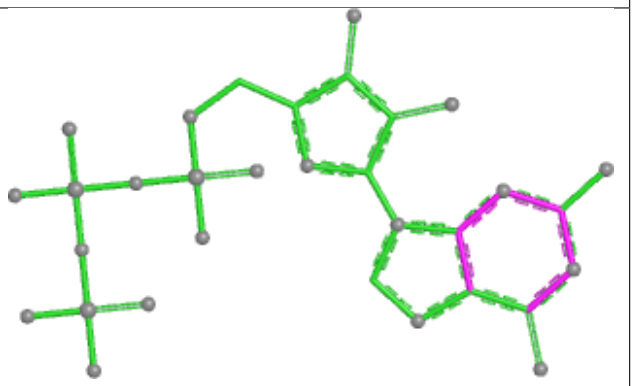


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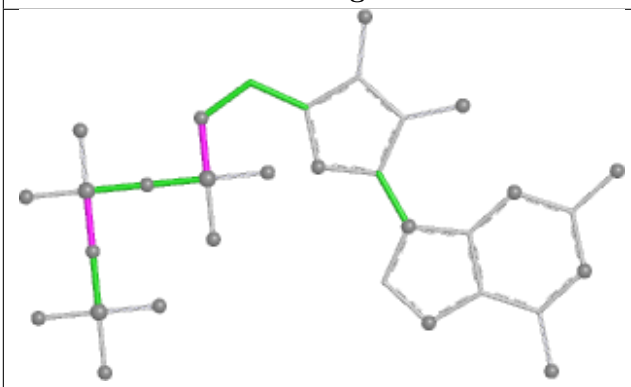
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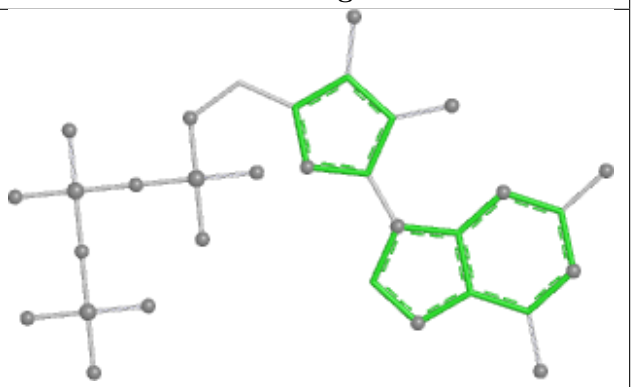
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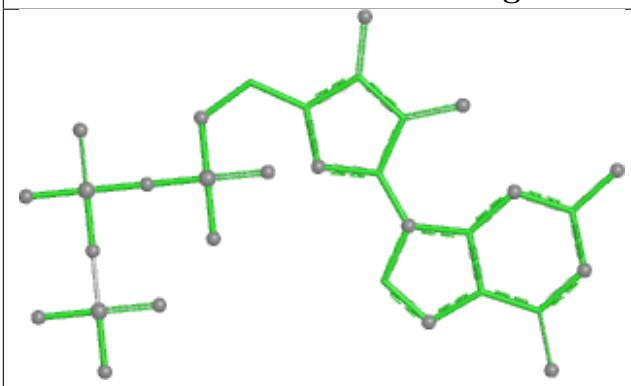


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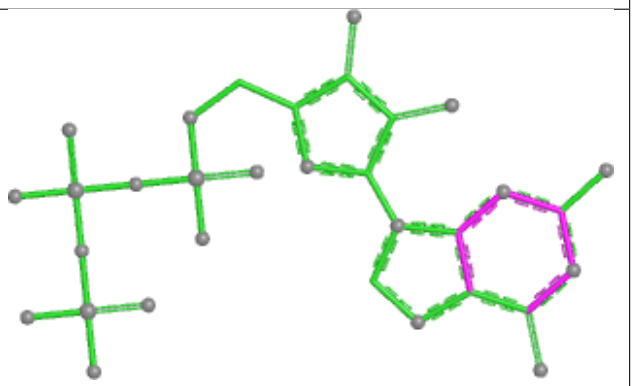


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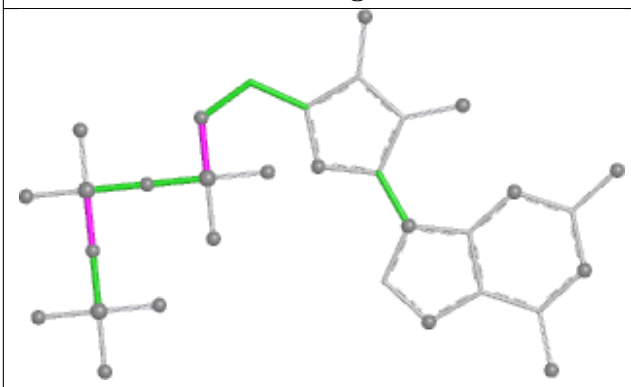
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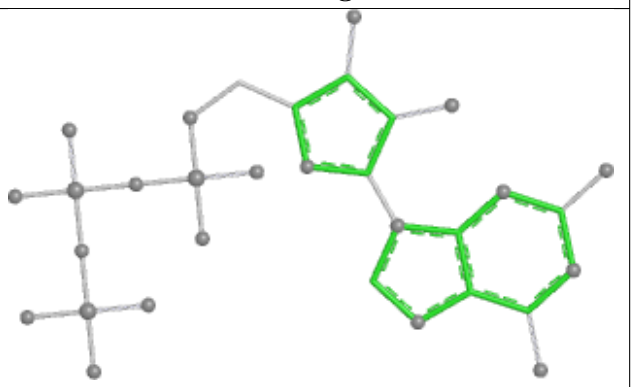
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Bond angles

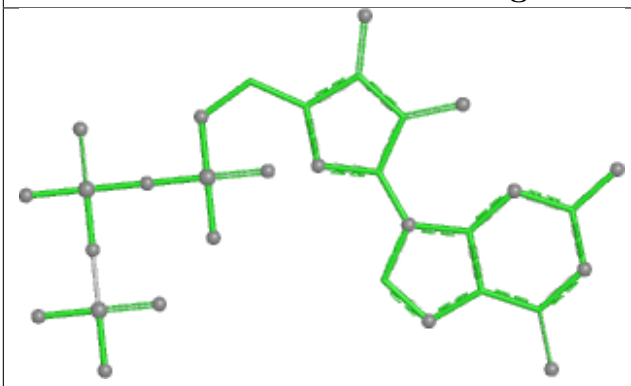


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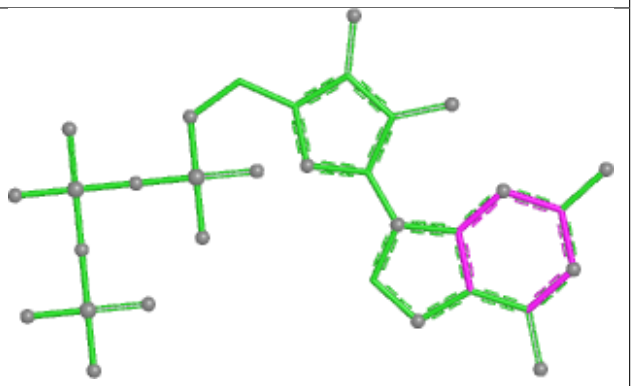


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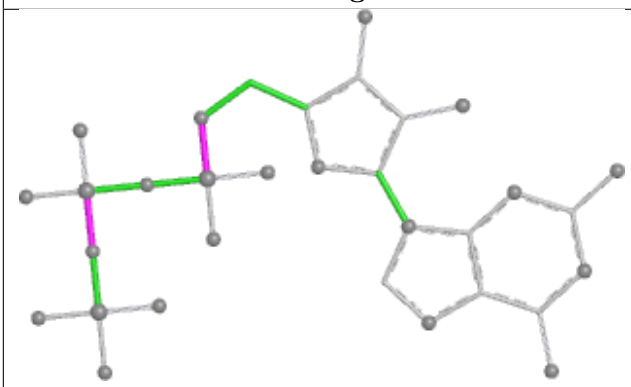
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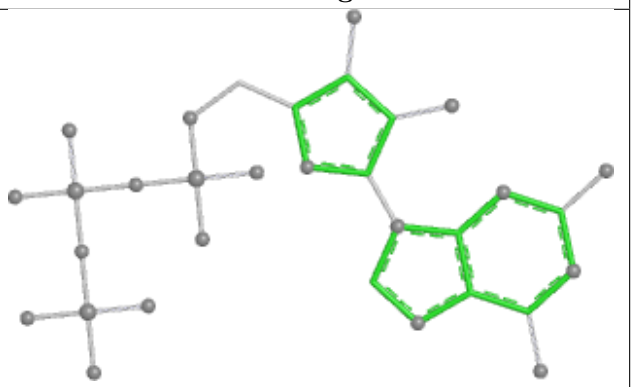
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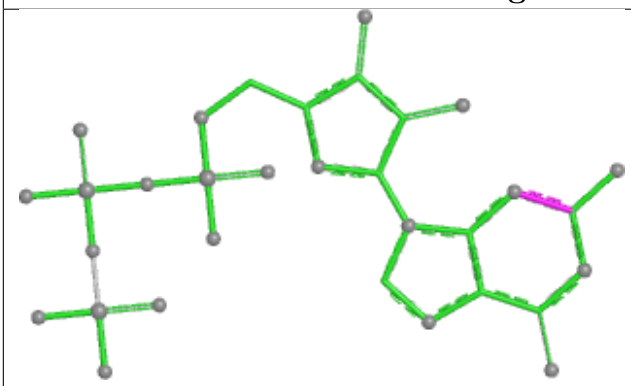


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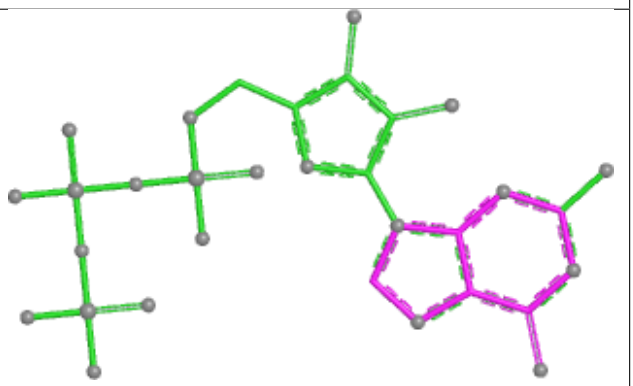


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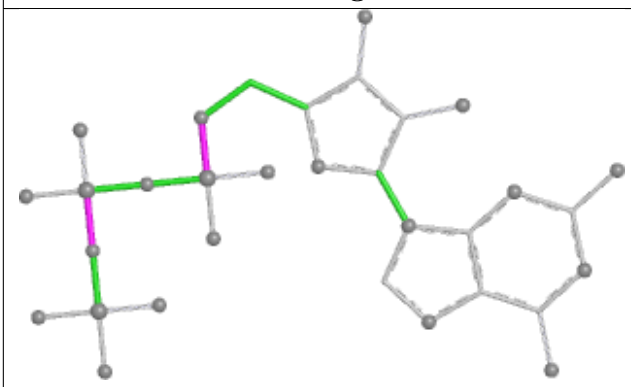
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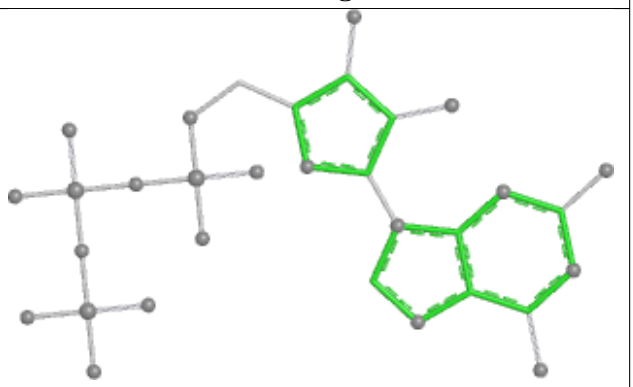
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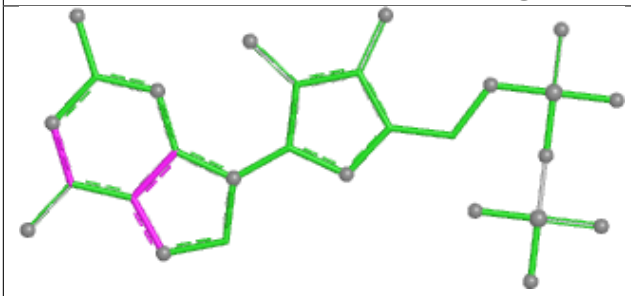


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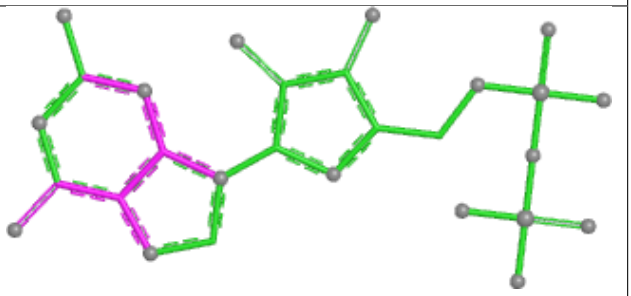


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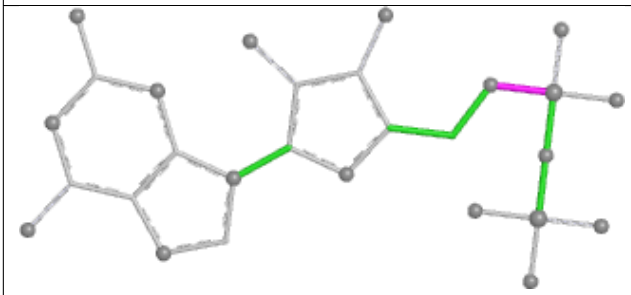
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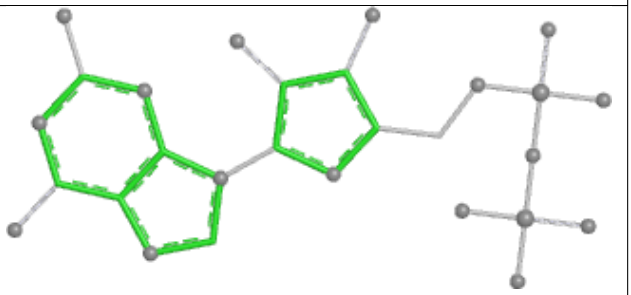
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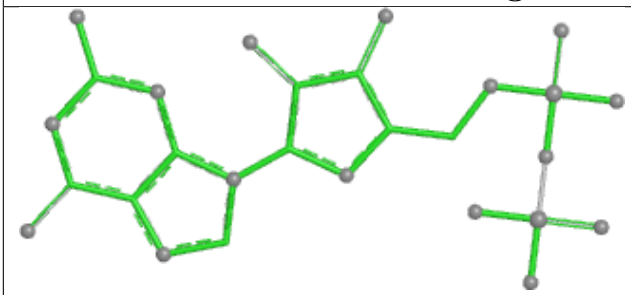


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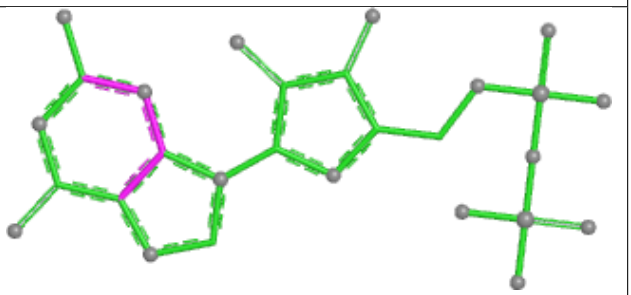


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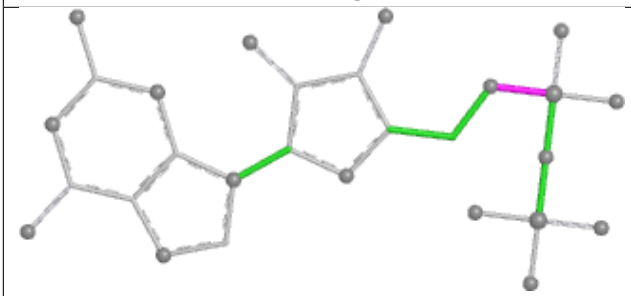
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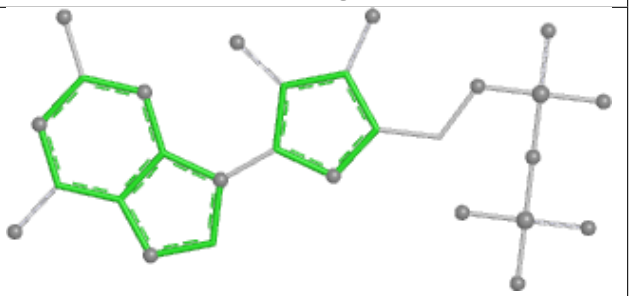
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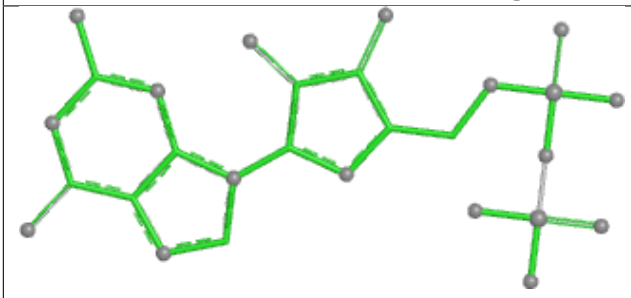


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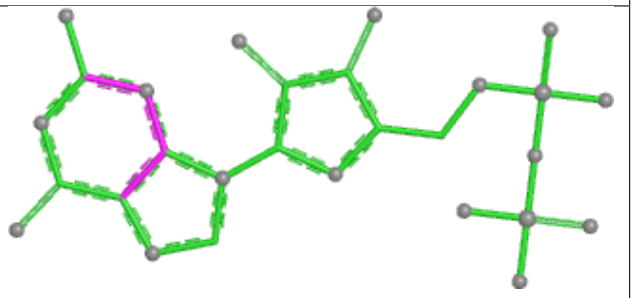


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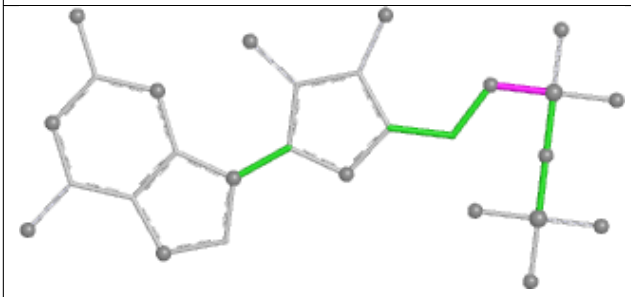
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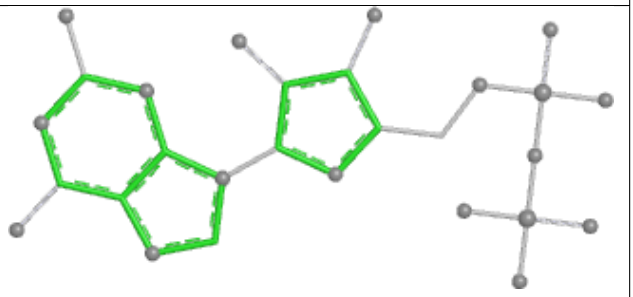
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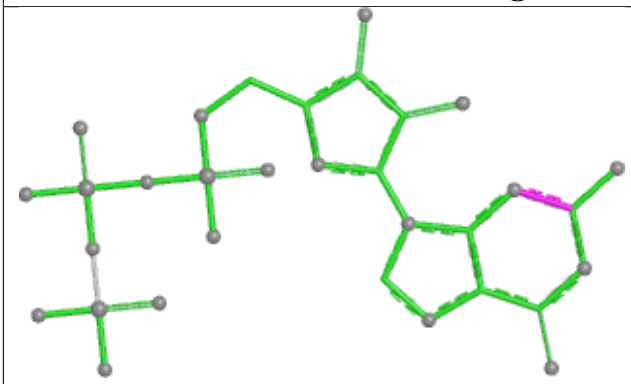


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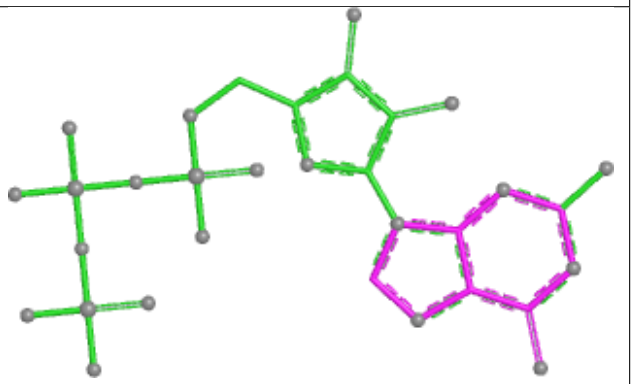


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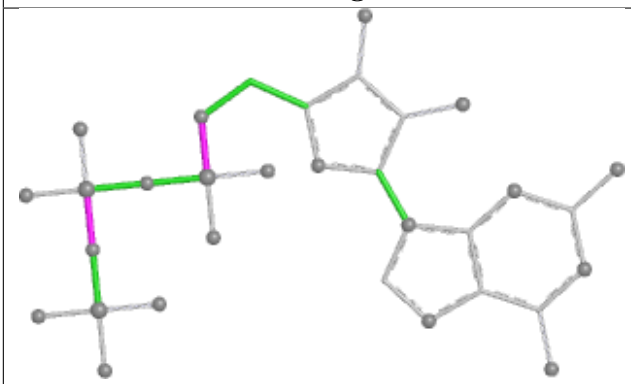
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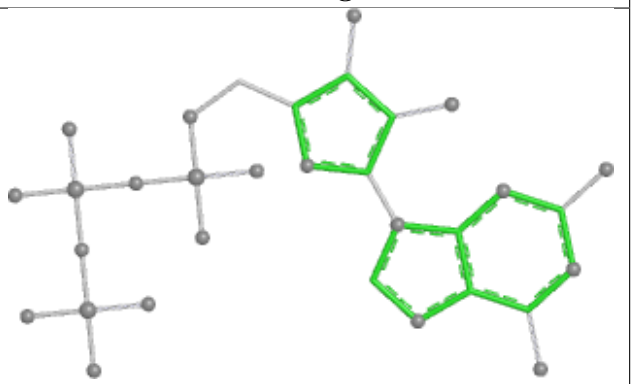
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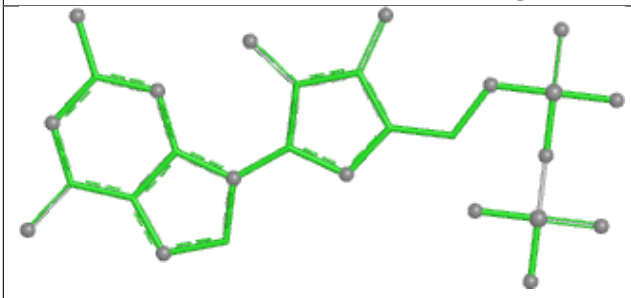


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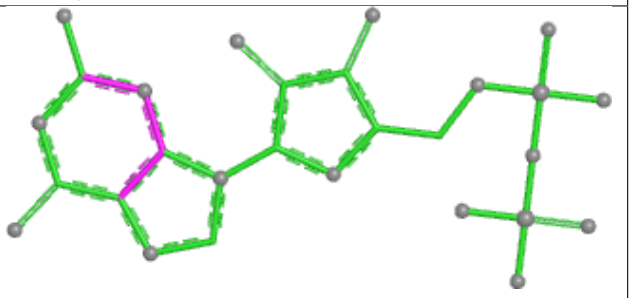


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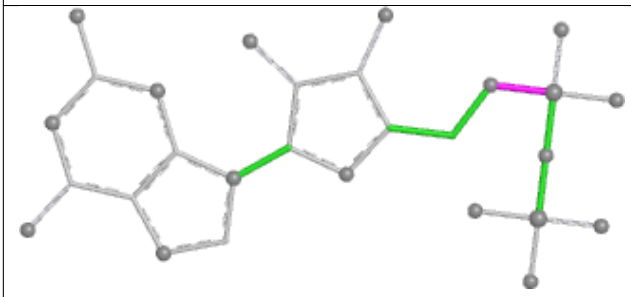
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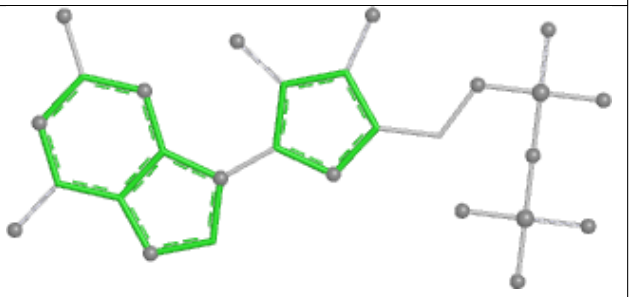
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Bond angles

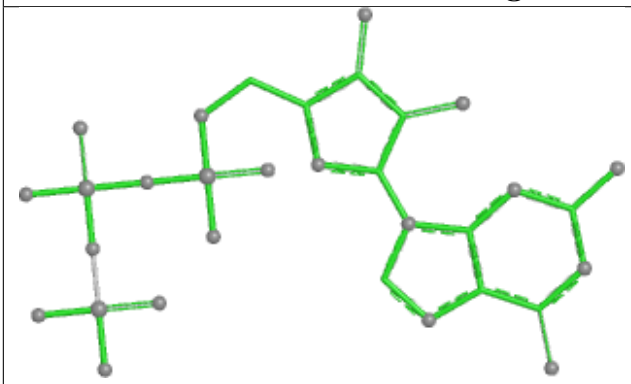


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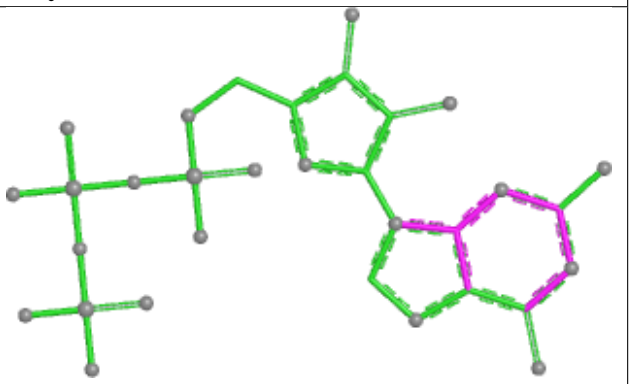


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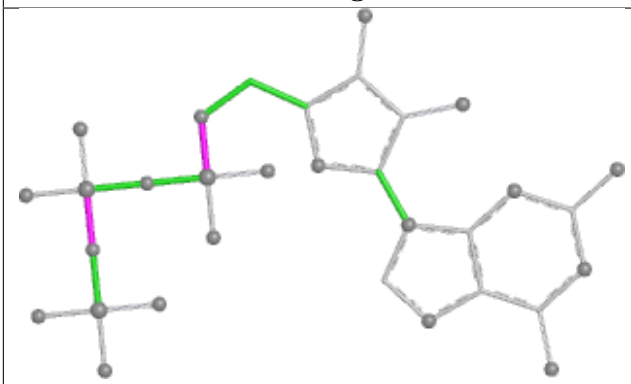
Ligand GTP QM 501



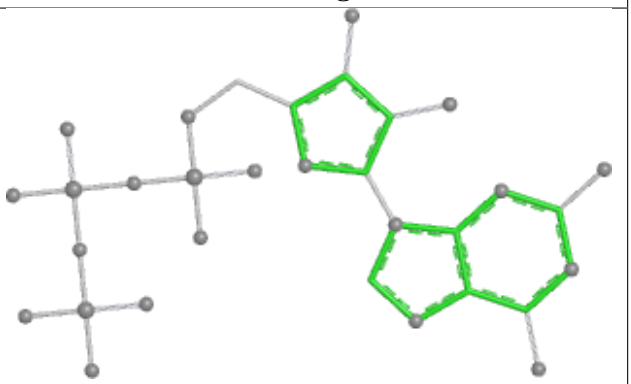
Bond lengths



Bond angles

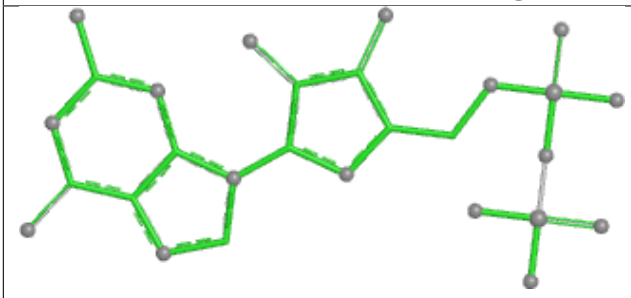


Torsions

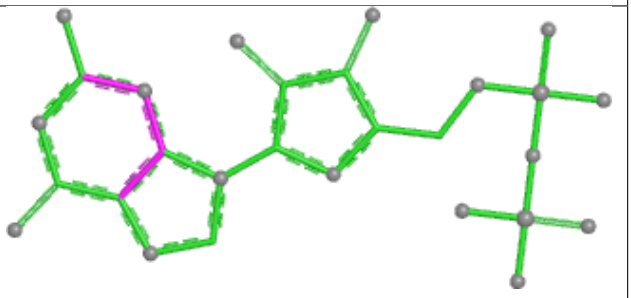


Rings

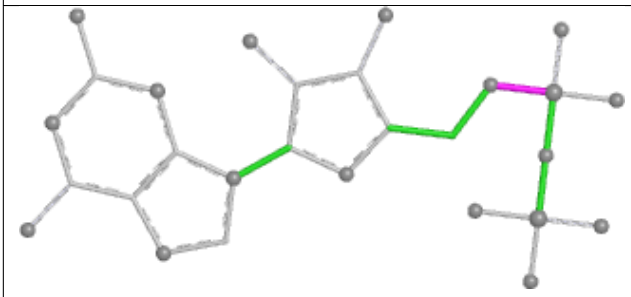
Ligand GDP RZ 501



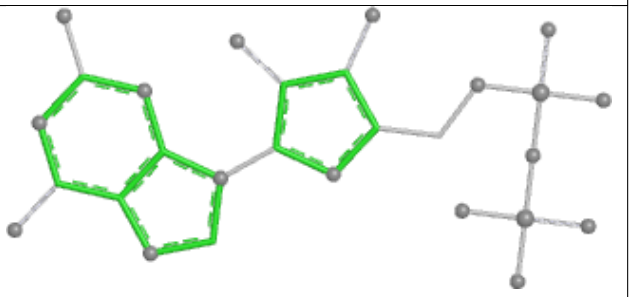
Bond lengths



Bond angles

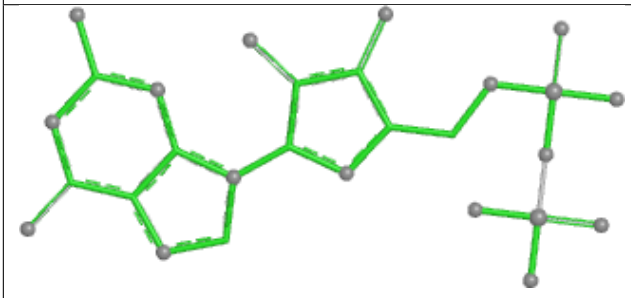


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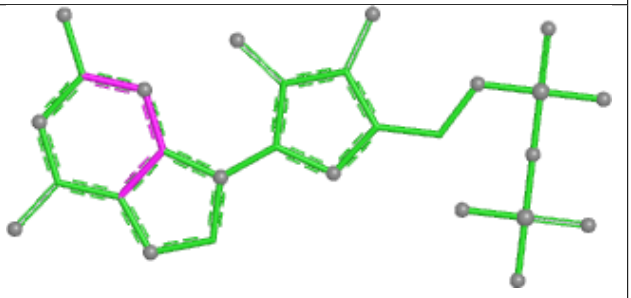


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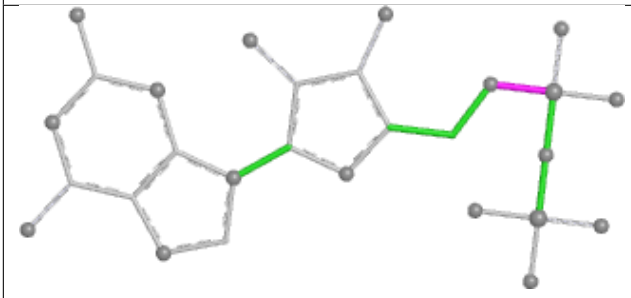
Ligand GDP UG 501



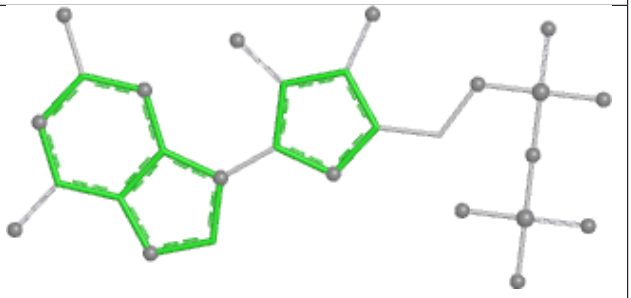
Bond lengths



Bond angles

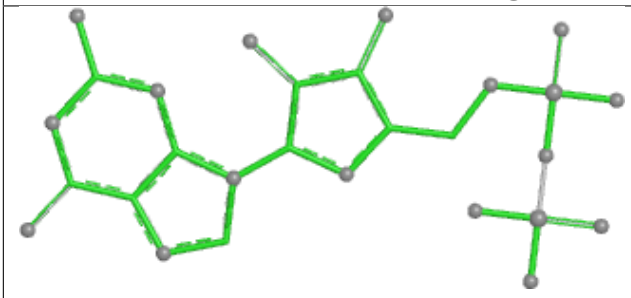


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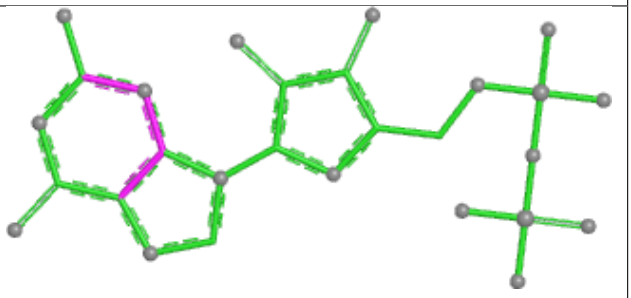


Rings

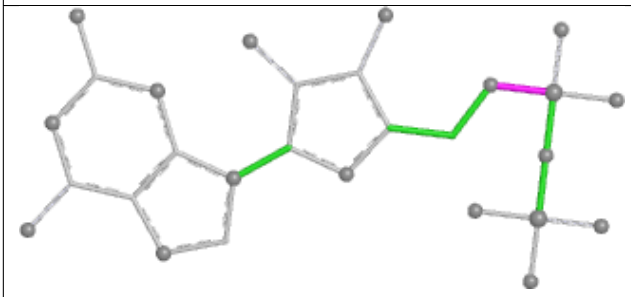
Ligand GDP WZ 501



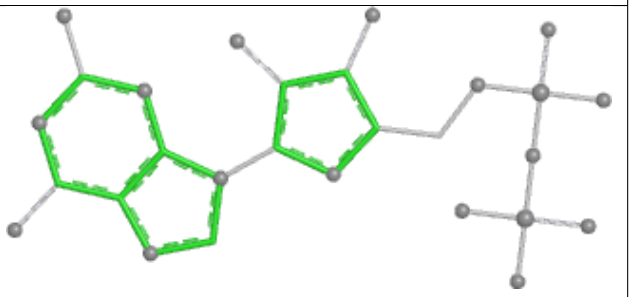
Bond lengths



Bond angles

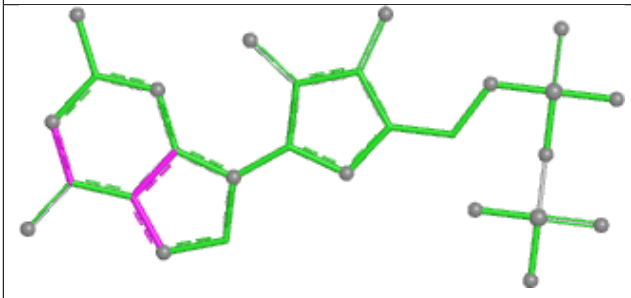


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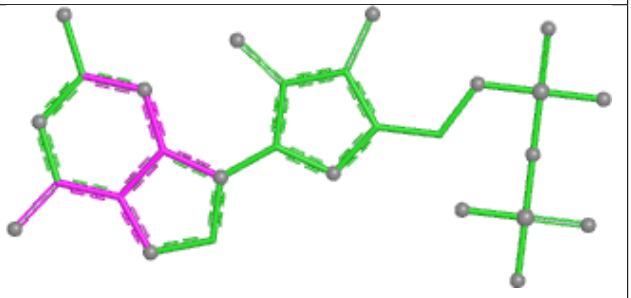


Rings

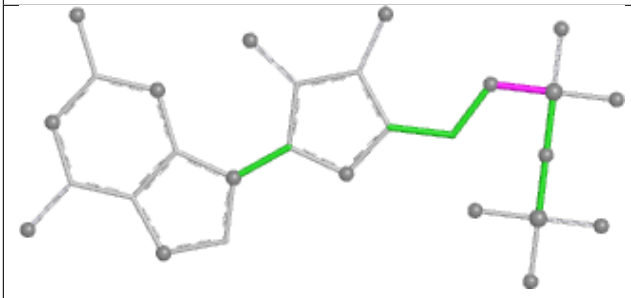
Ligand GDP JW 501



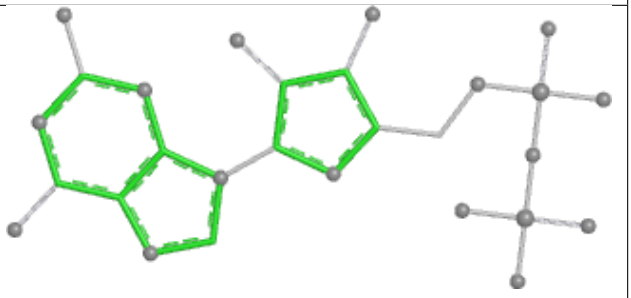
Bond lengths



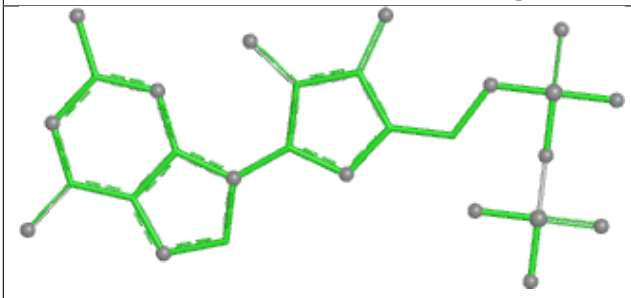
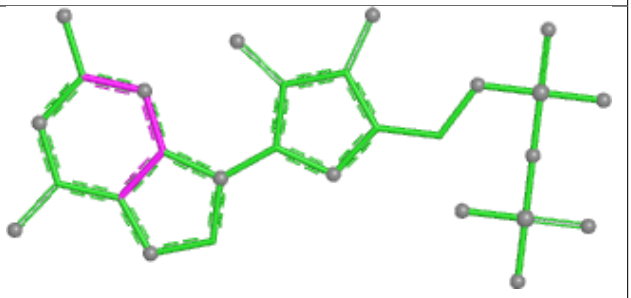
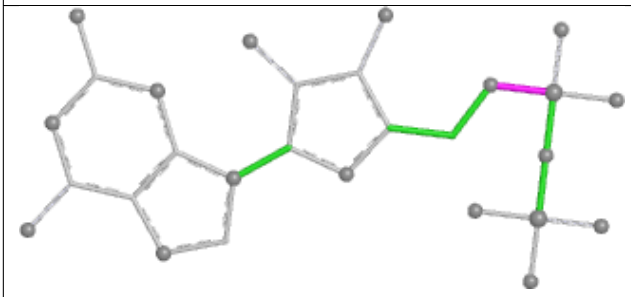
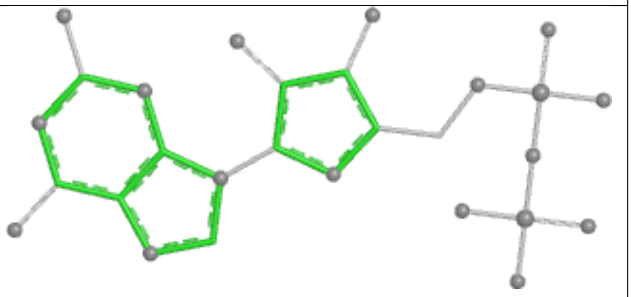
Bond angles

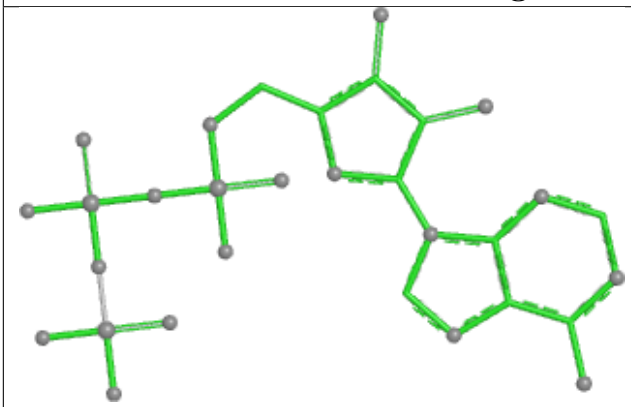
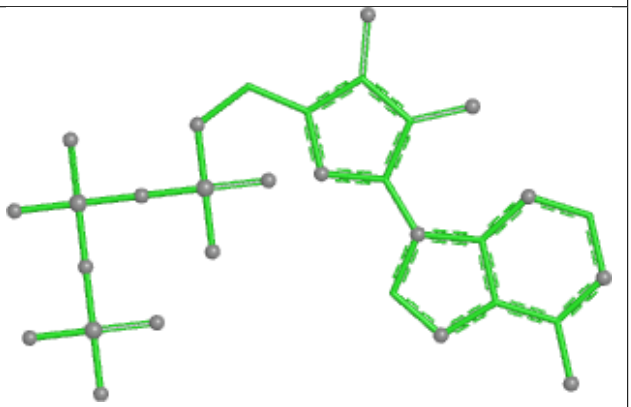
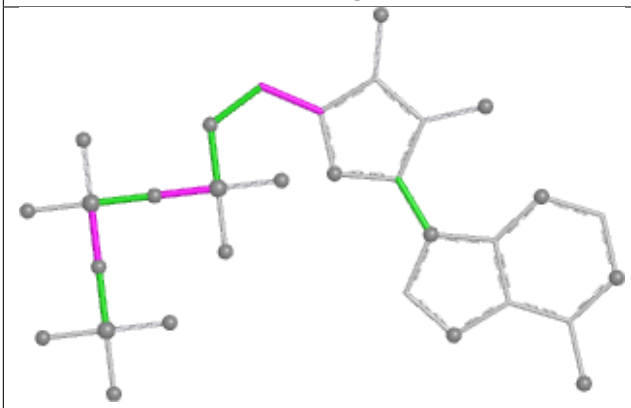
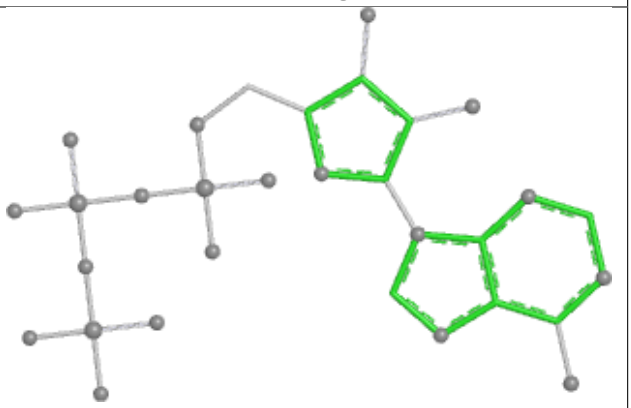


Torsions

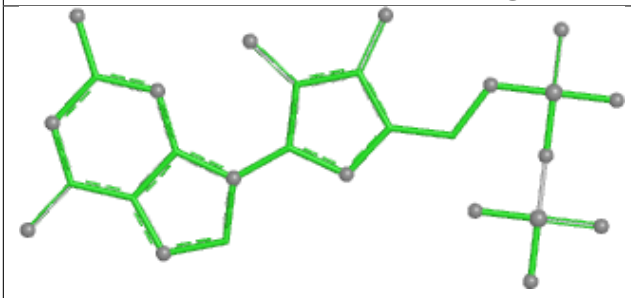


Rings

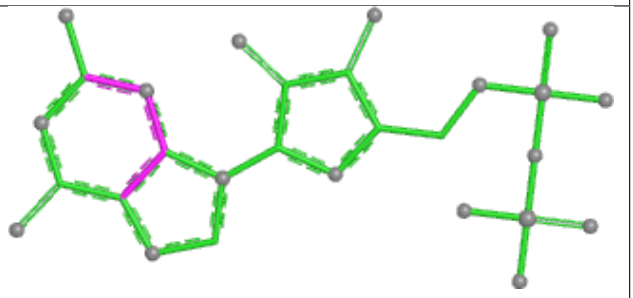
Ligand GDP XL 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand ATP 7b 4702	
 Bond lengths	 Bond angles
 Torsions	 Rings

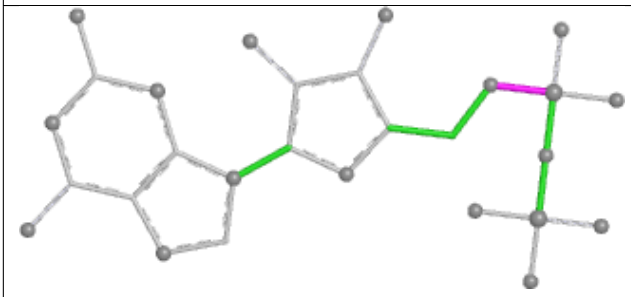
Ligand GDP MY 501



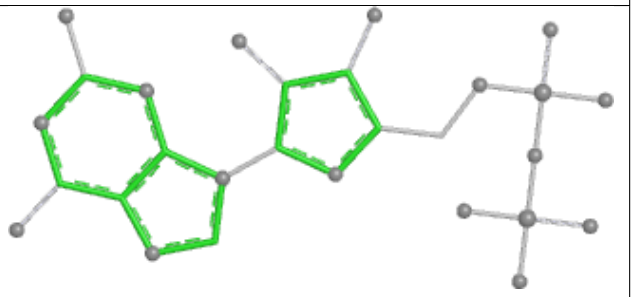
Bond lengths



Bond angles

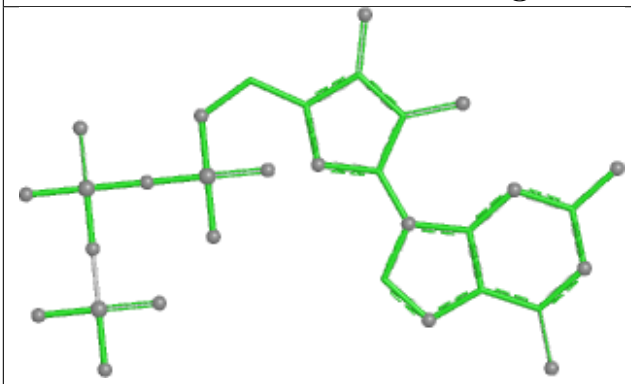


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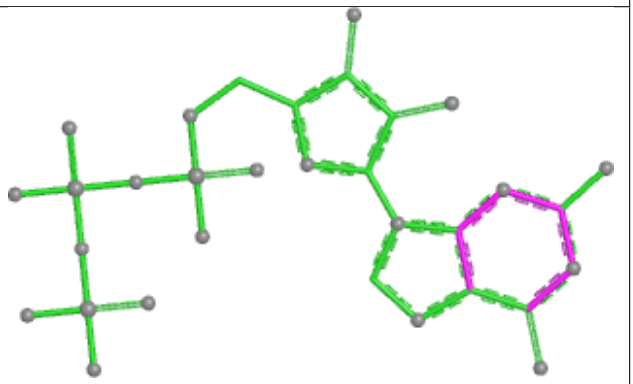


Rings

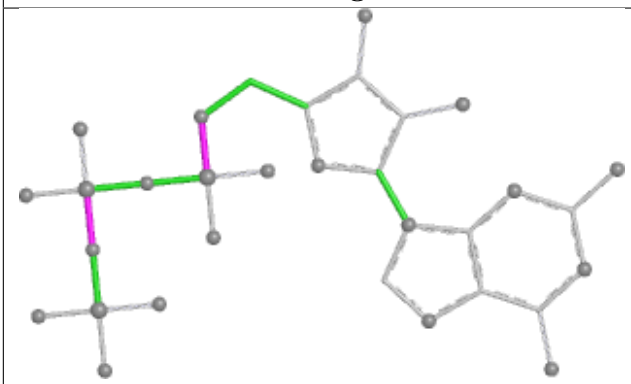
Ligand GTP YZ 602



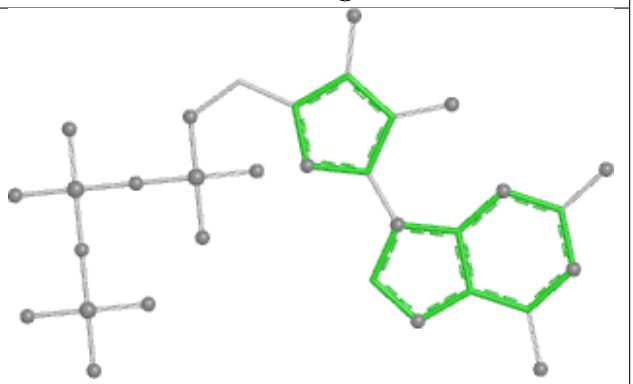
Bond lengths



Bond angles

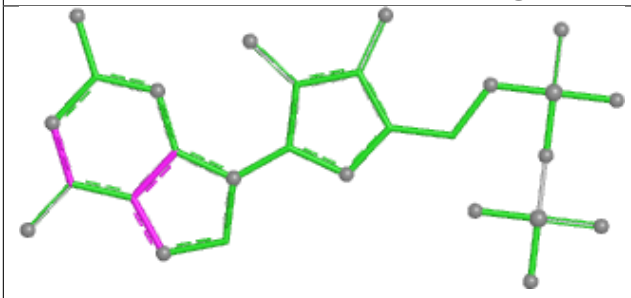


Torsions

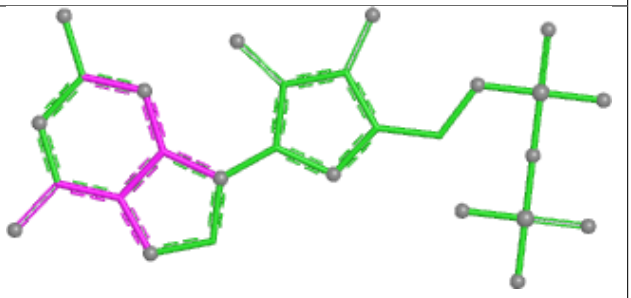


Rings

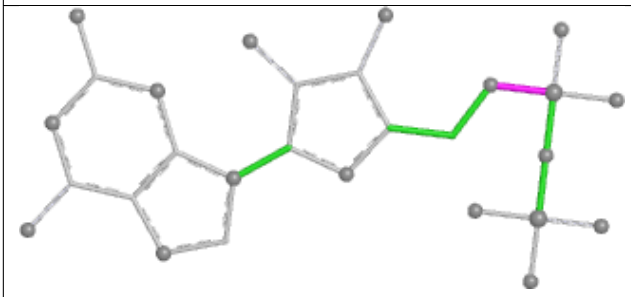
Ligand GDP ET 501



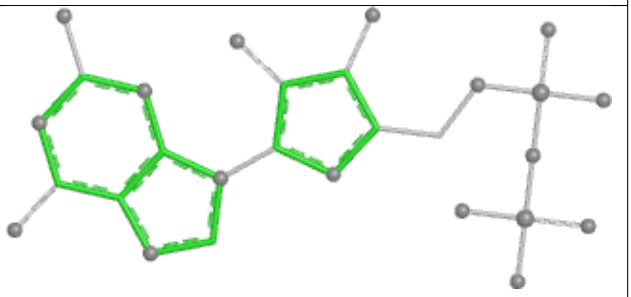
Bond lengths



Bond angles

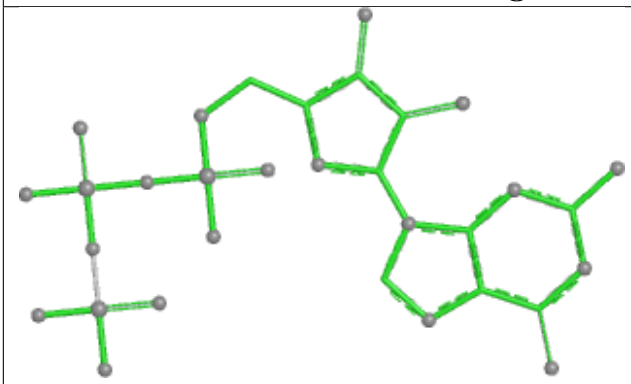


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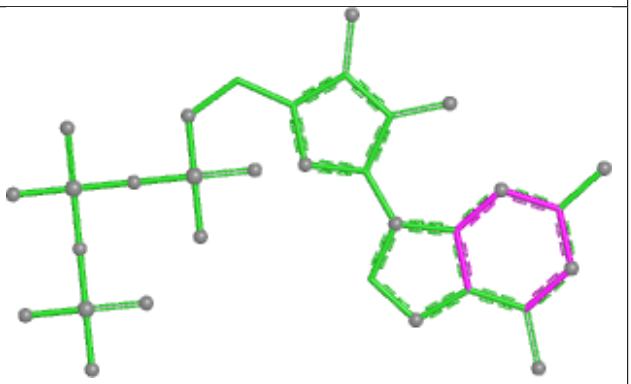


Rings

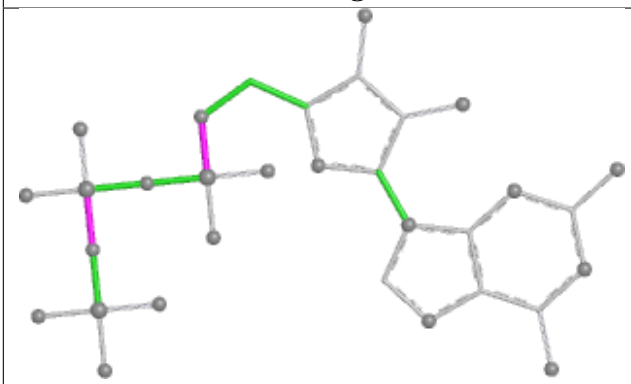
Ligand GTP UD 501



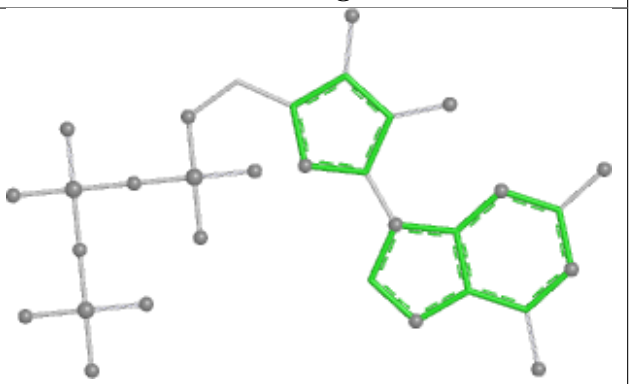
Bond lengths



Bond angles

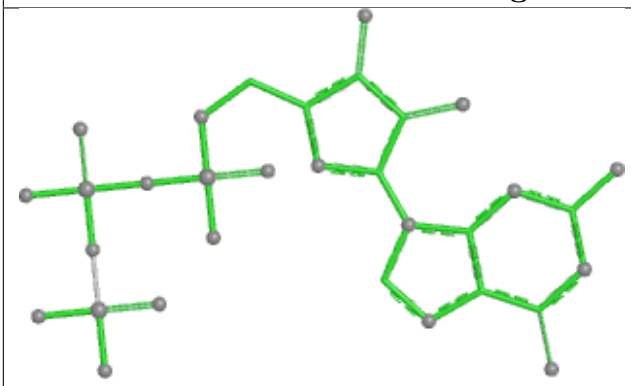


Torsions

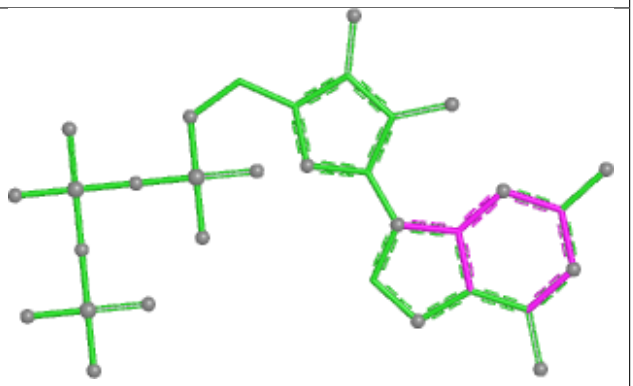


Rings

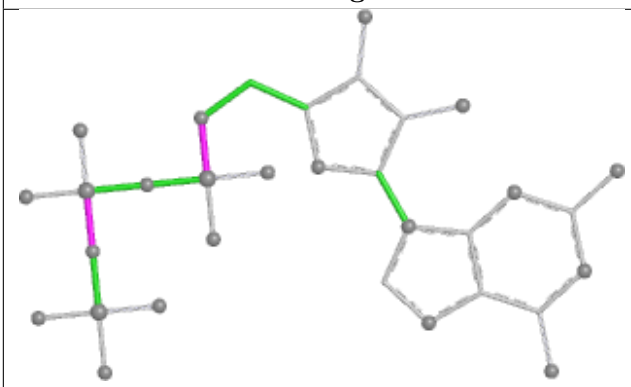
Ligand GTP CB 501



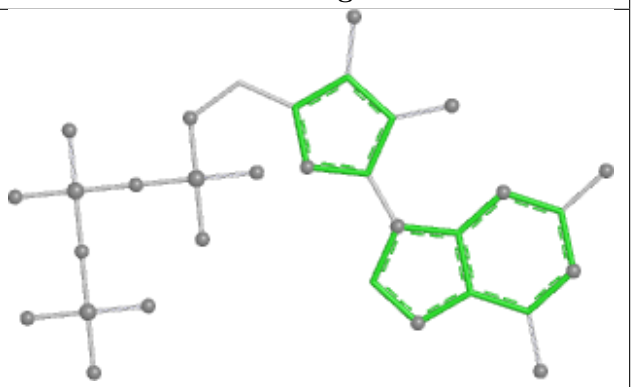
Bond lengths



Bond angles

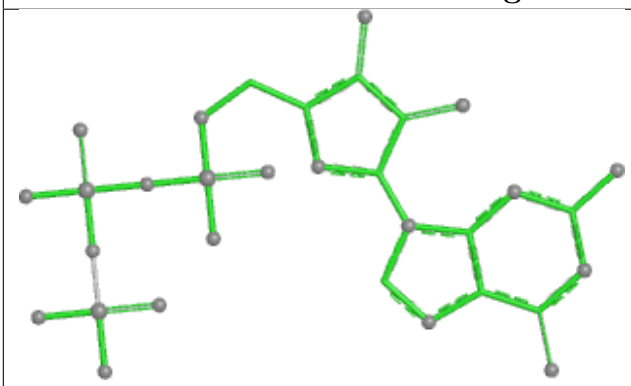


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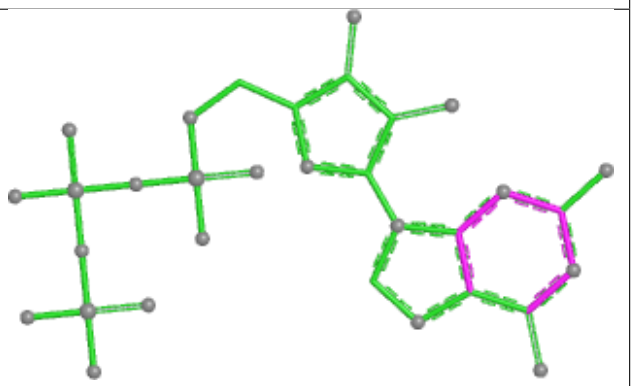


Rings

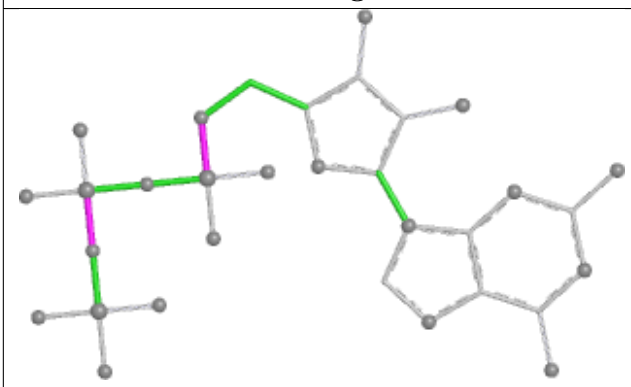
Ligand GTP VW 501



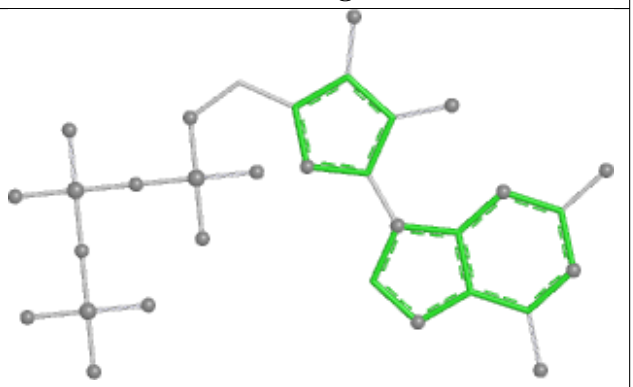
Bond lengths



Bond angles

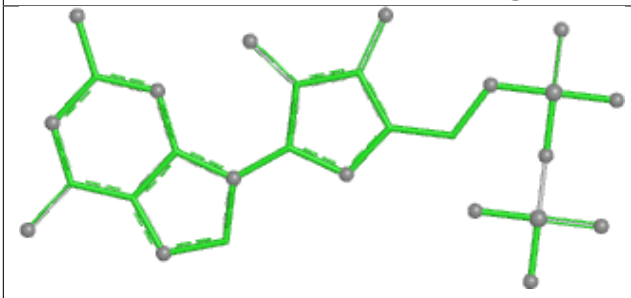


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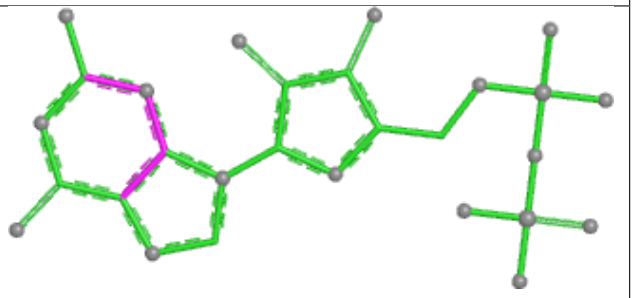


Rings

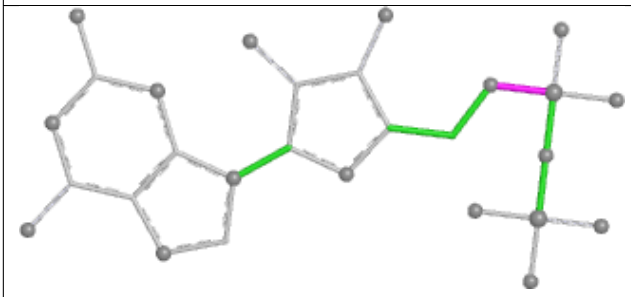
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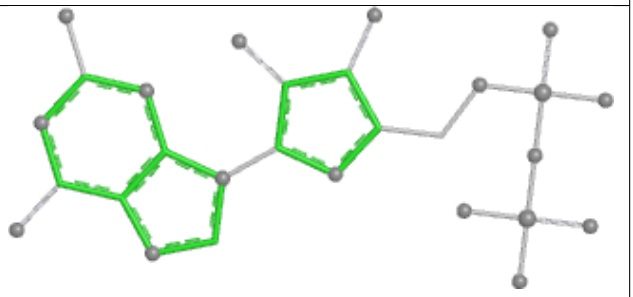
Bond lengths



Bond angles

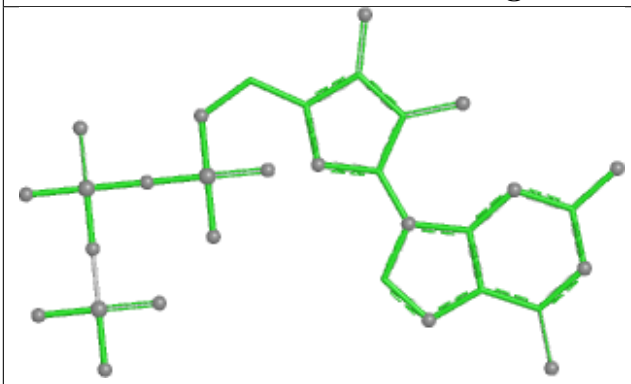


Torsions

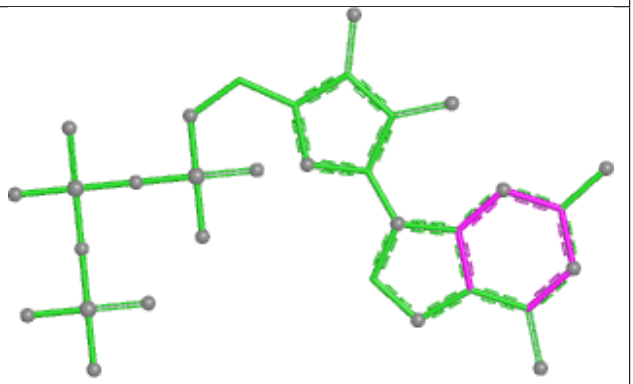


Rings

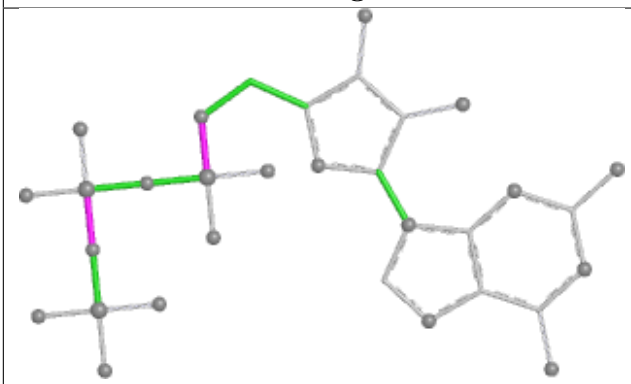
Ligand GTP MR 602



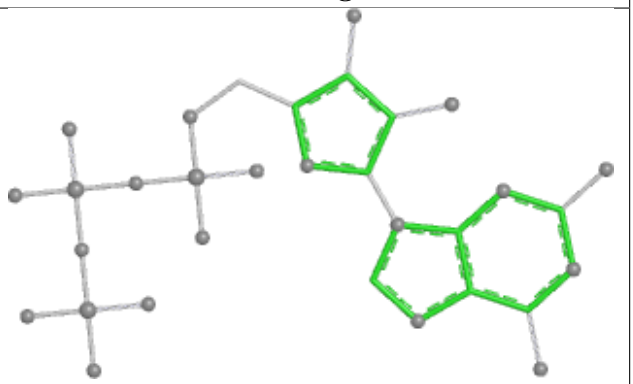
Bond lengths



Bond angles

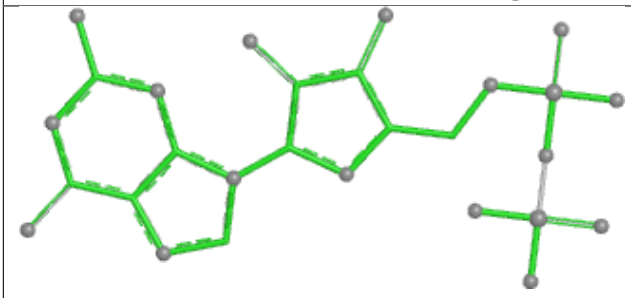


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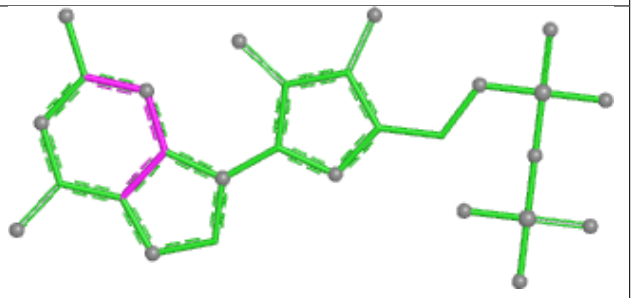


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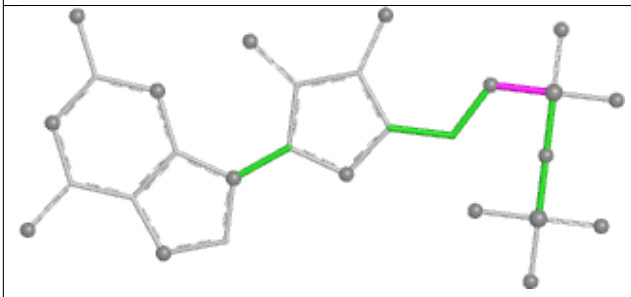
Ligand GDP KU 501



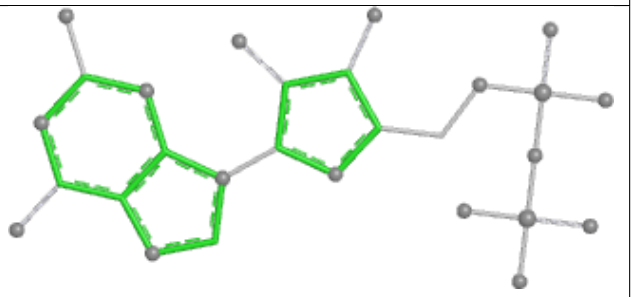
Bond lengths



Bond angles

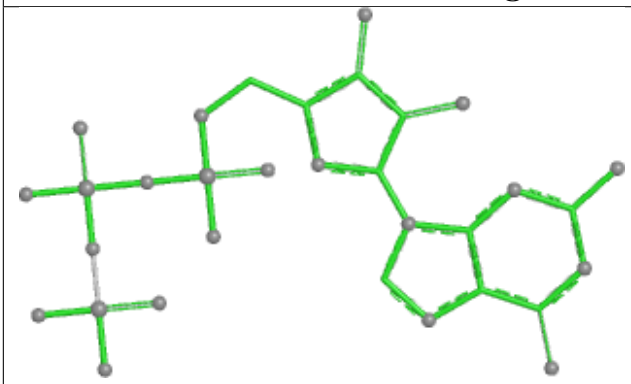


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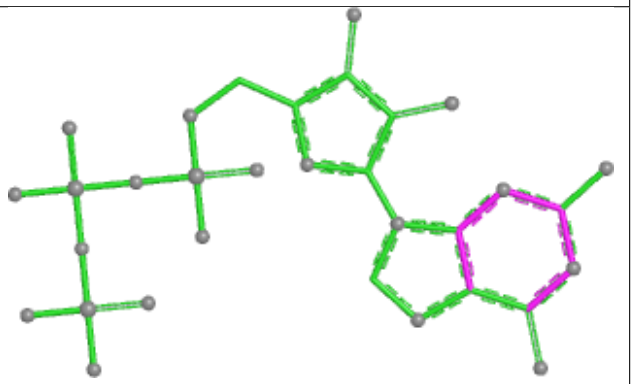


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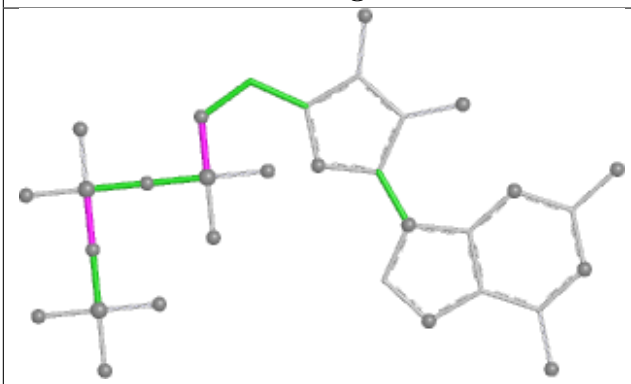
Ligand GTP WO 501



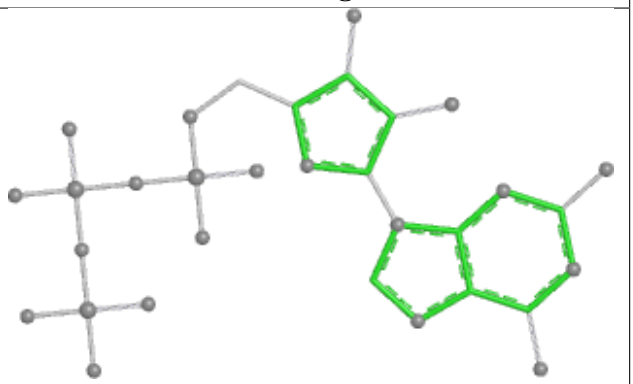
Bond lengths



Bond angles

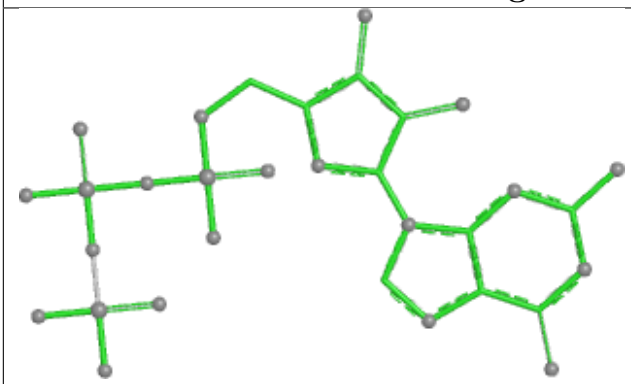


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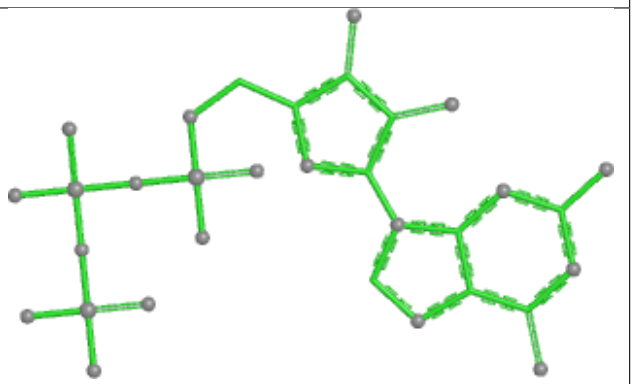


Rings

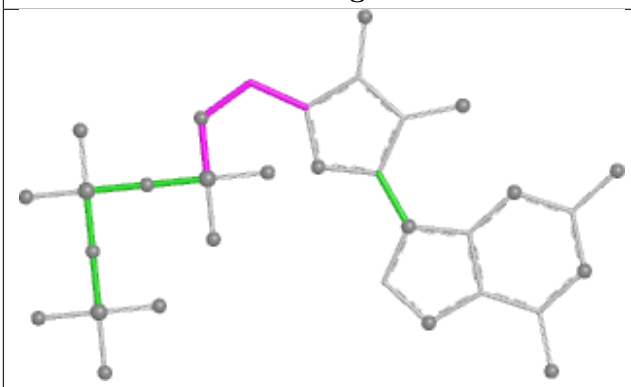
Ligand GTP XY 501



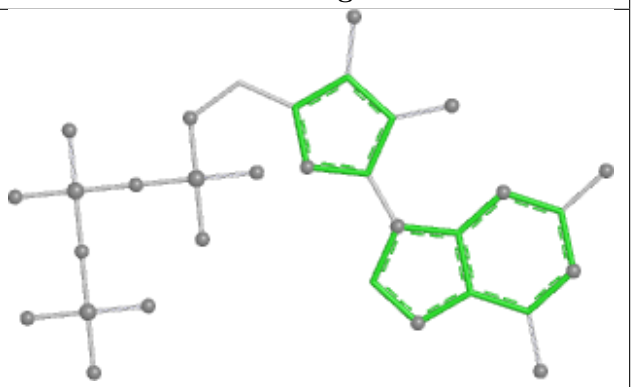
Bond lengths



Bond angles

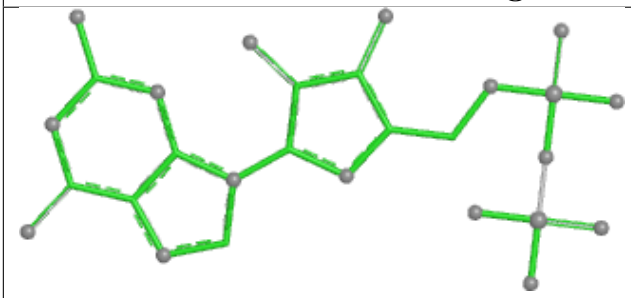


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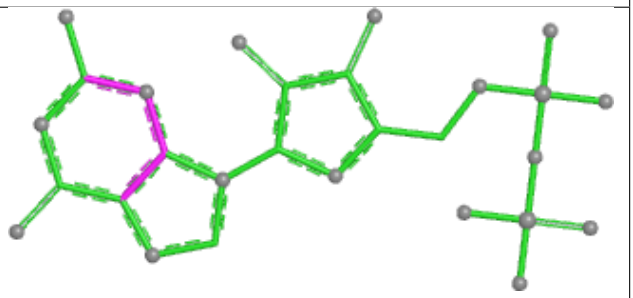


Rings

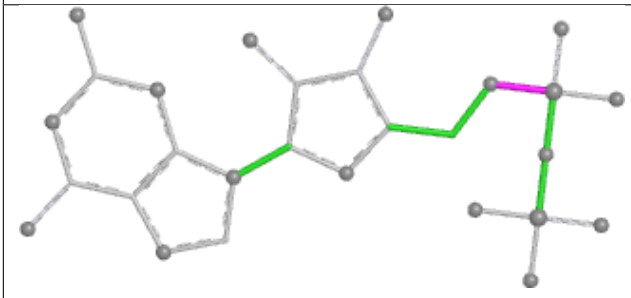
Ligand GDP KG 501



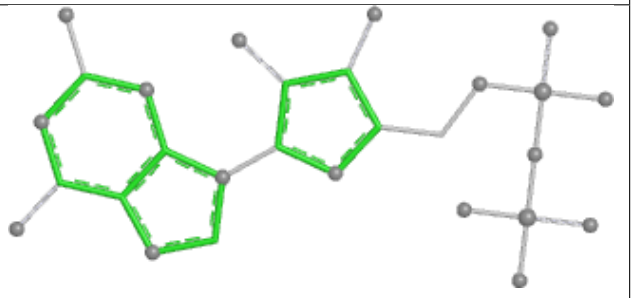
Bond lengths



Bond angles

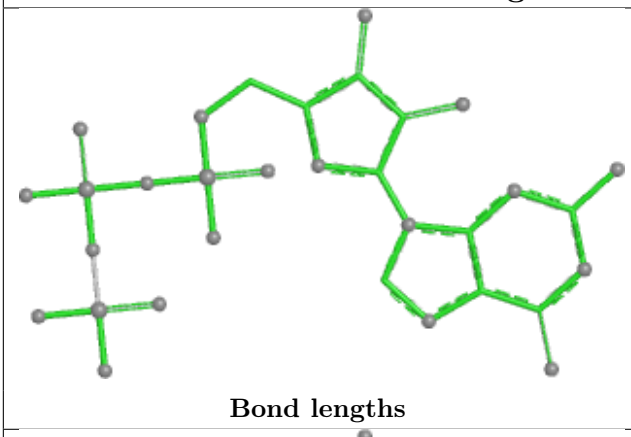


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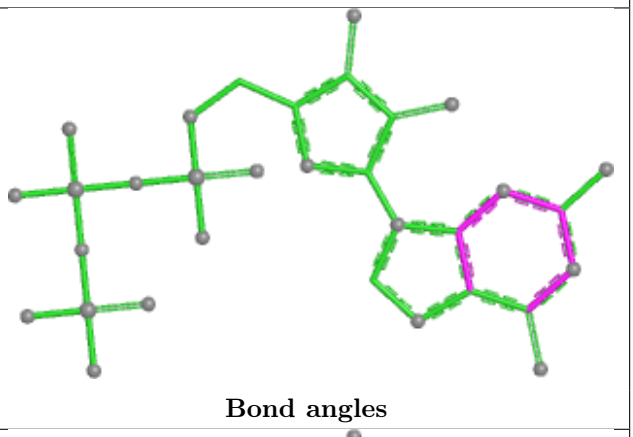


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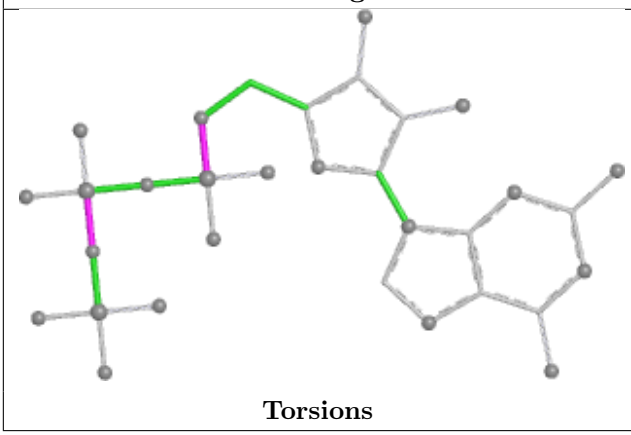
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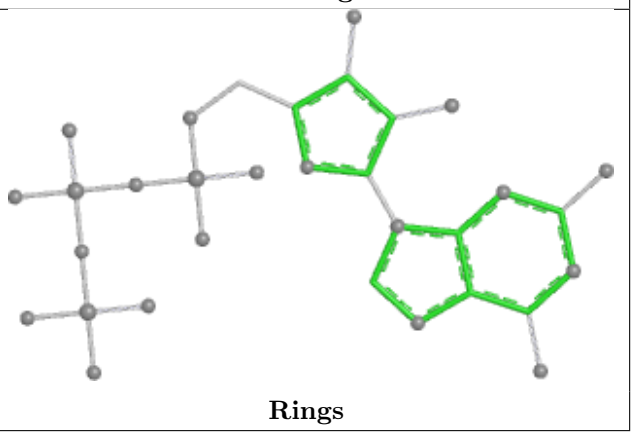
Bond lengths



Bond angles

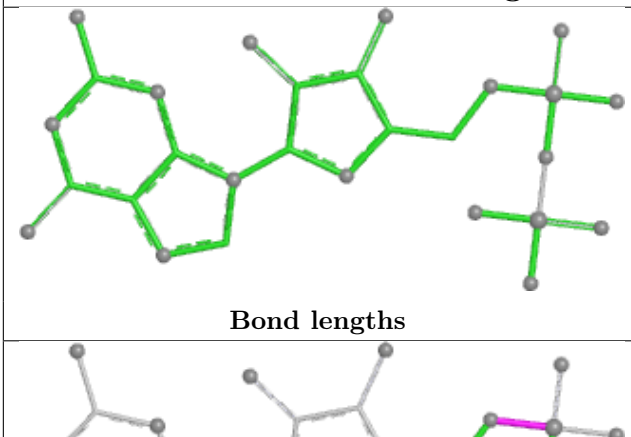


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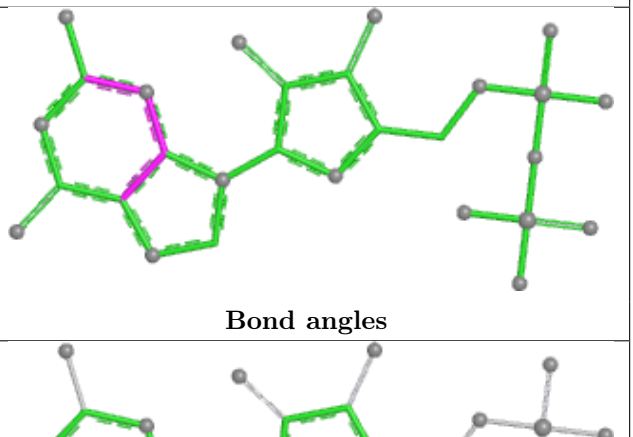


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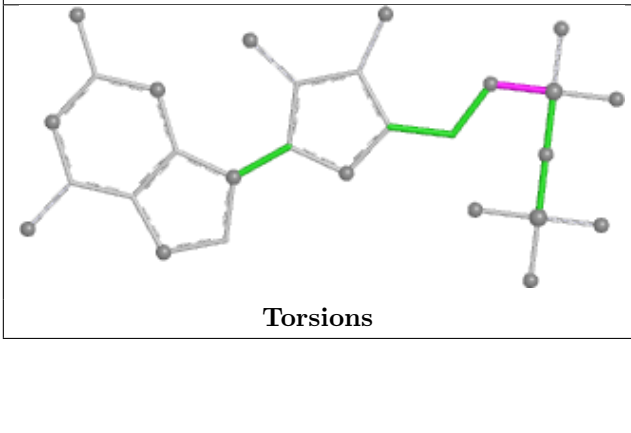
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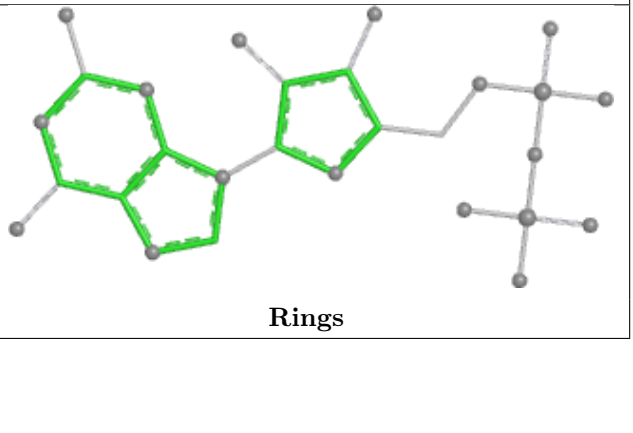
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Bond angles

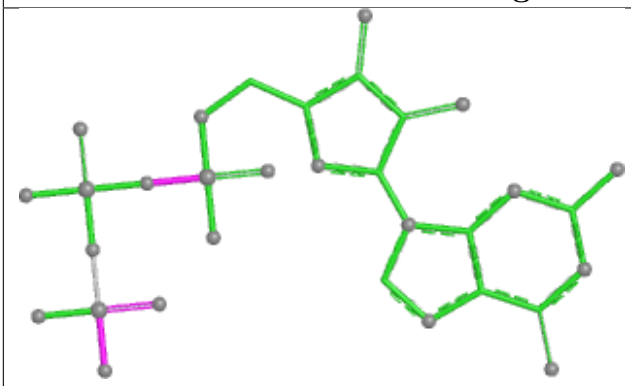


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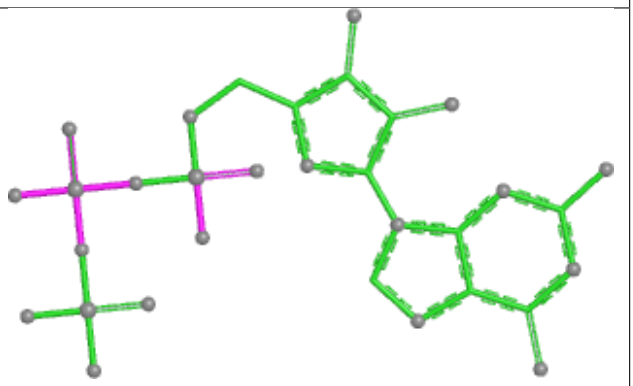


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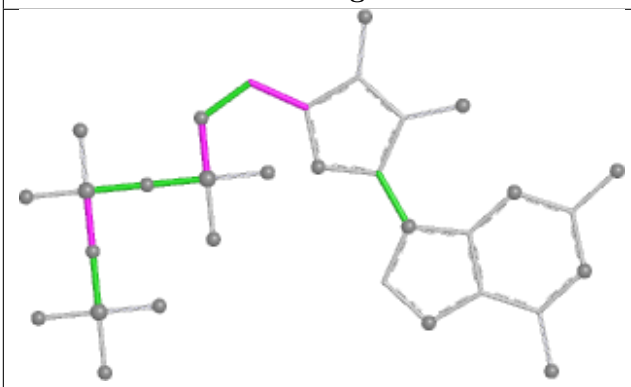
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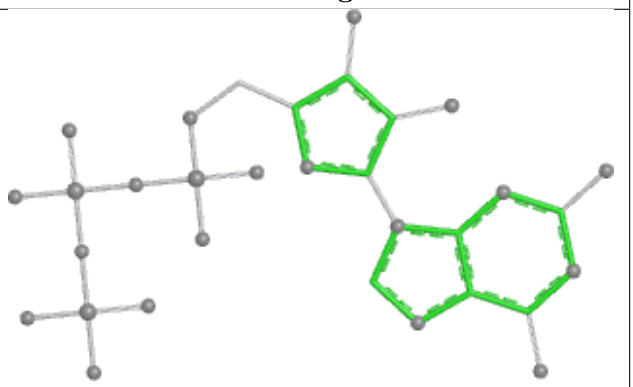
Bond lengths



Bond angles

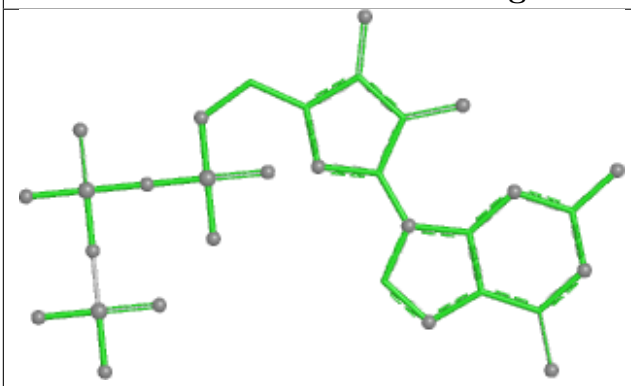


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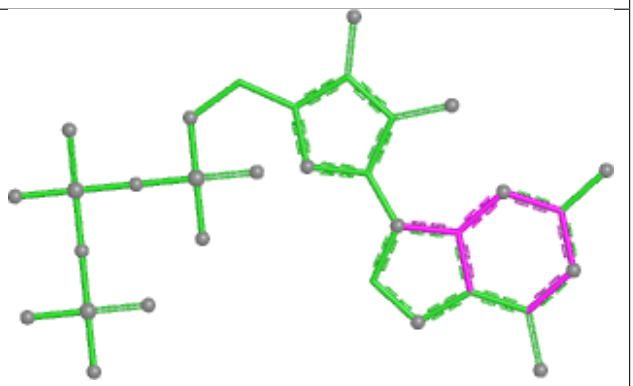


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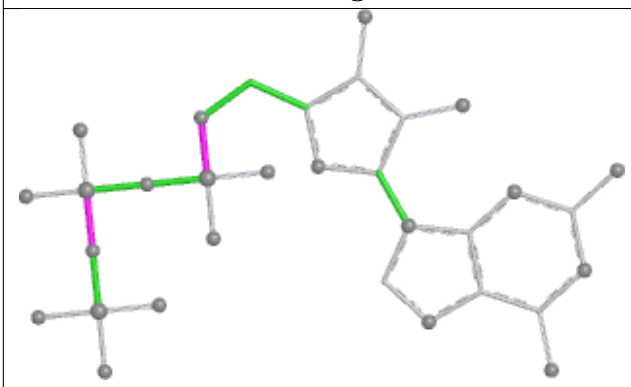
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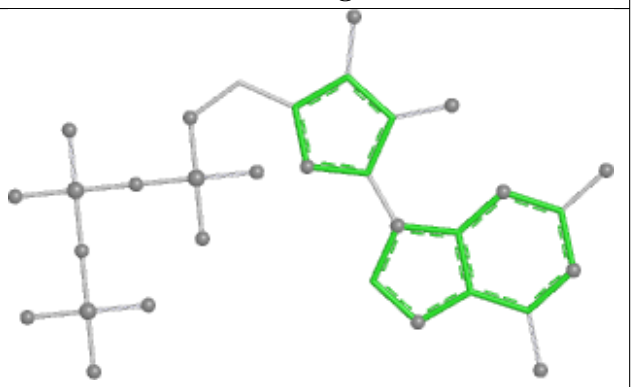
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Bond angles

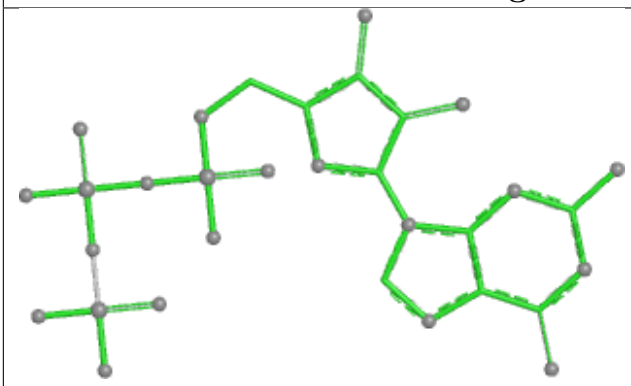


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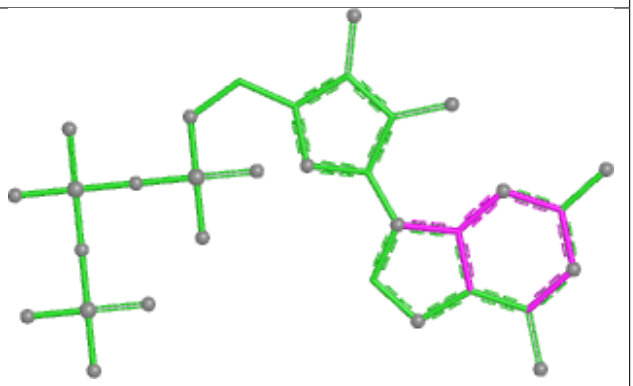


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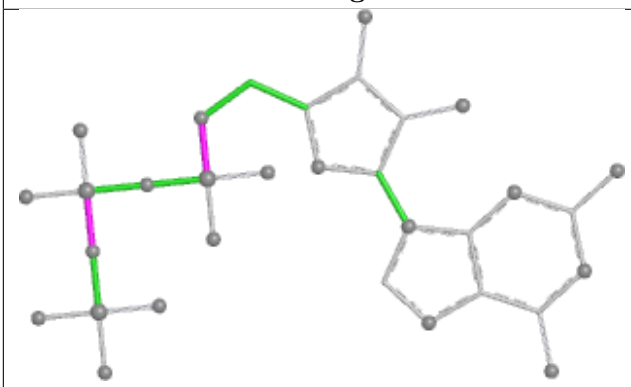
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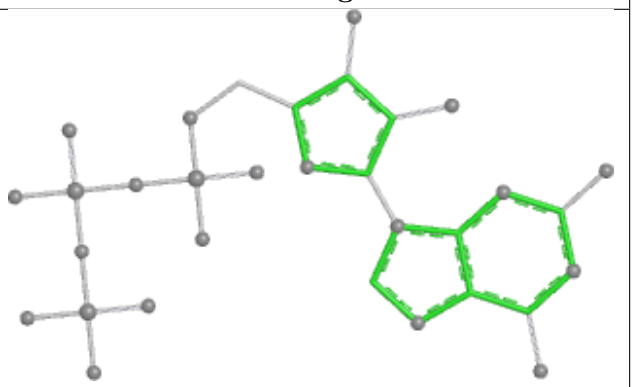
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Bond angles

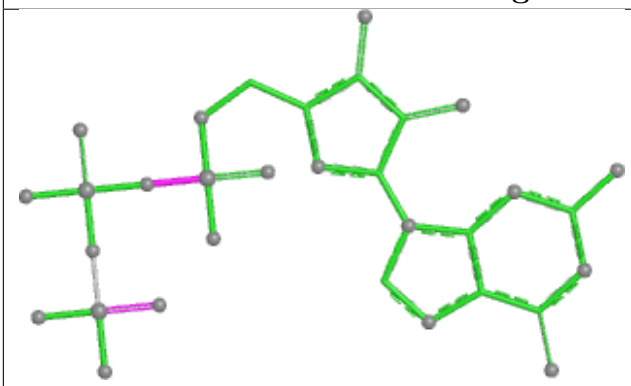


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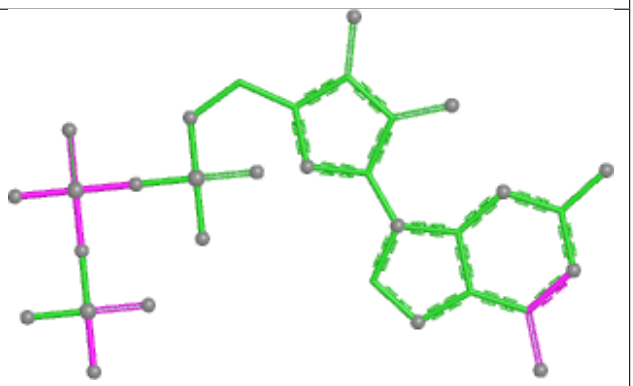


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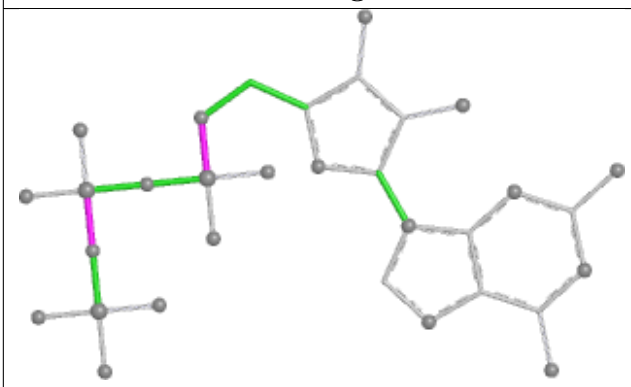
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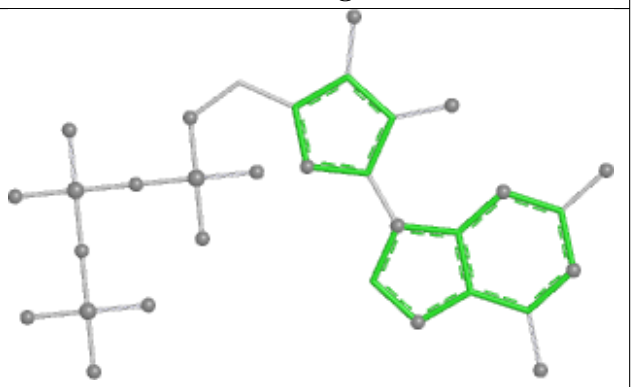
Bond lengths



Bond angles

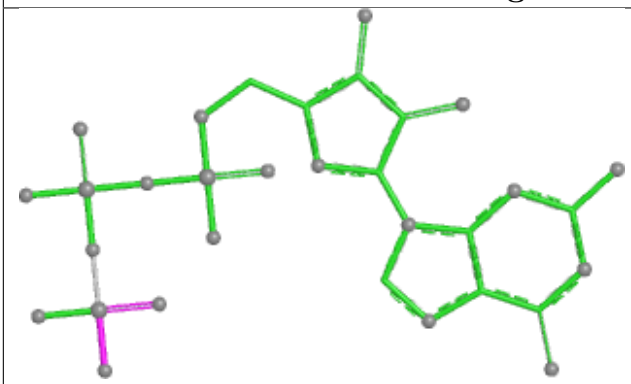


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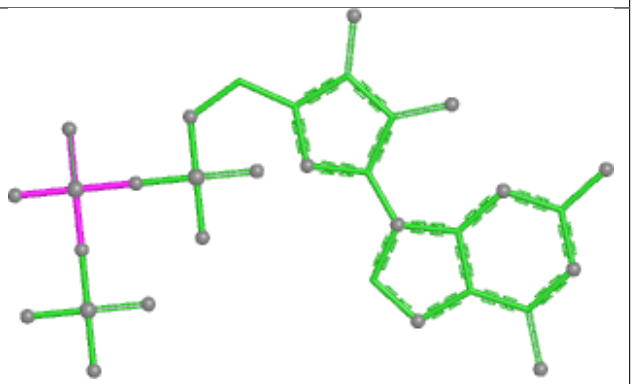


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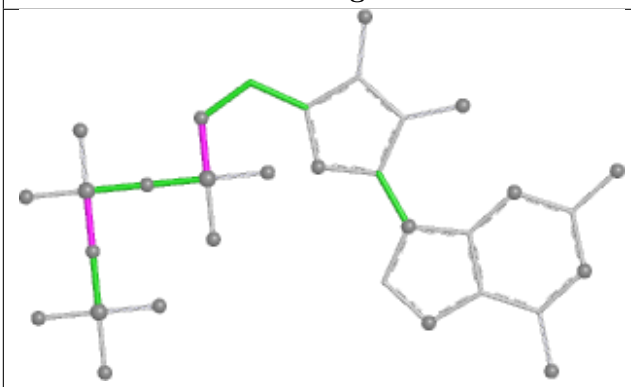
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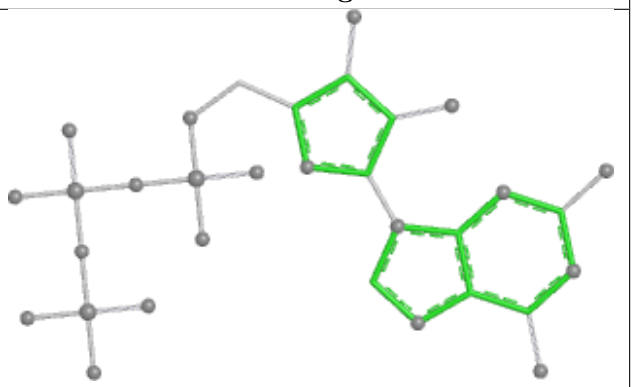
Bond lengths



Bond angles

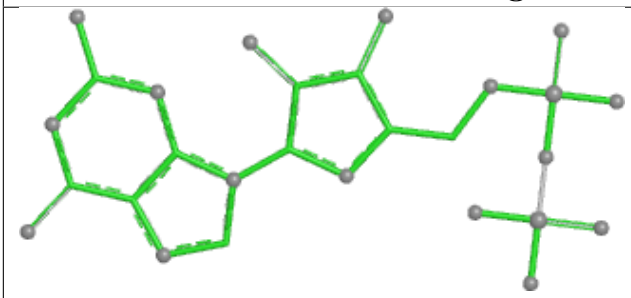


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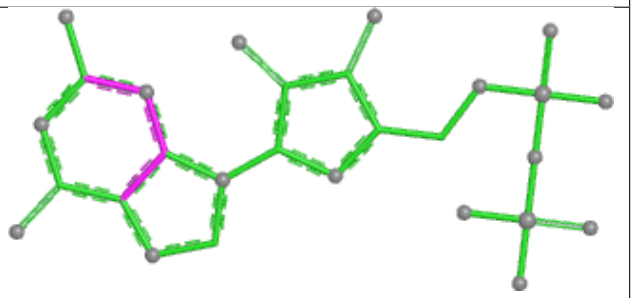


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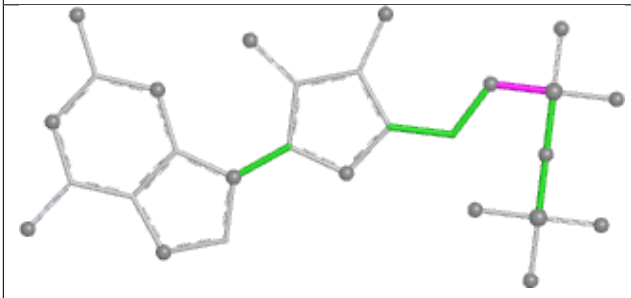
Ligand GDP OO 501



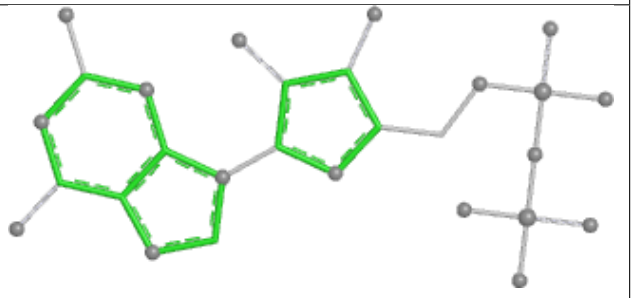
Bond lengths



Bond angles

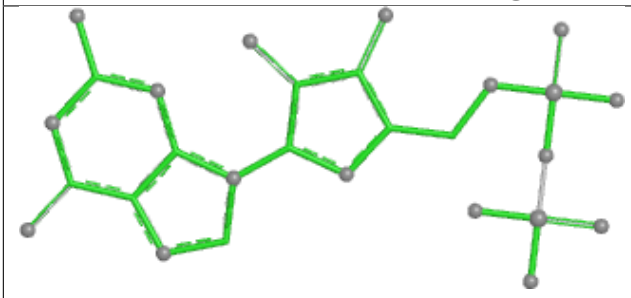


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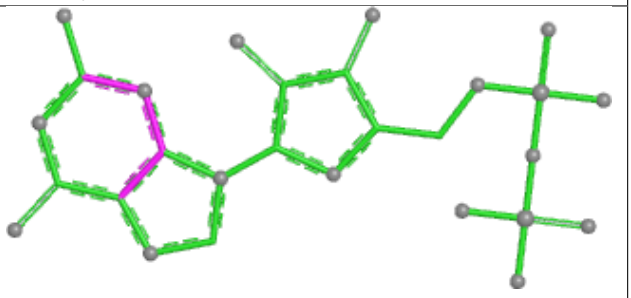


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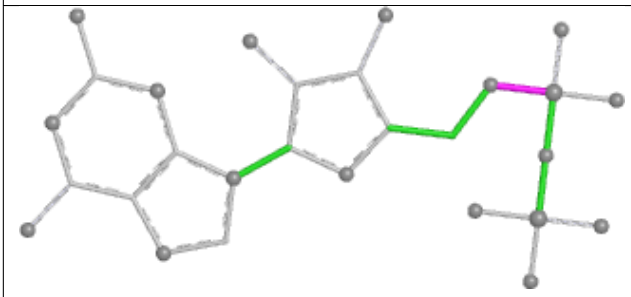
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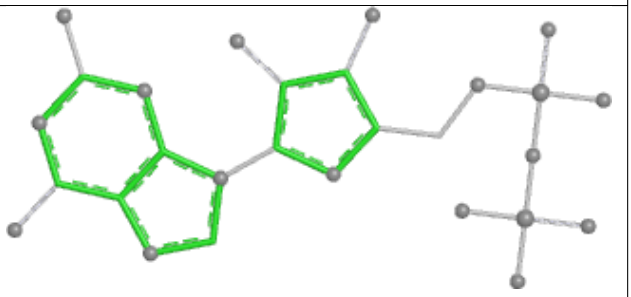
Bond lengths



Bond angles

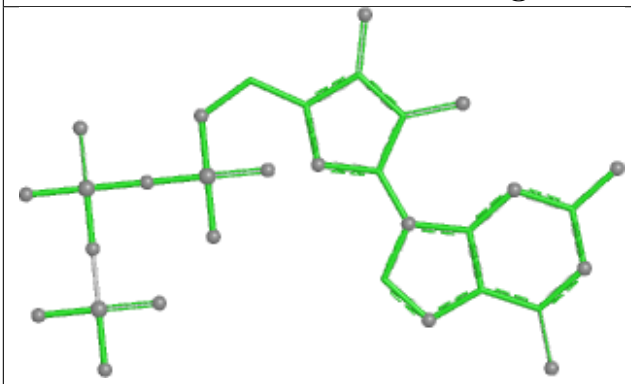


Torsions

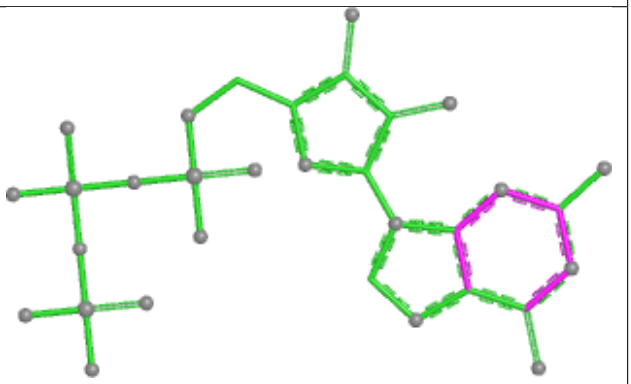


Rings

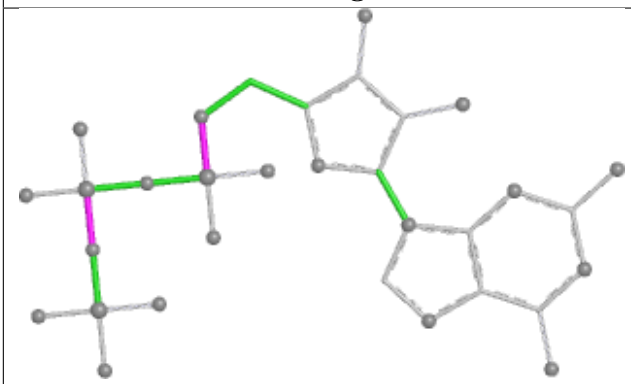
Ligand GTP EK 602



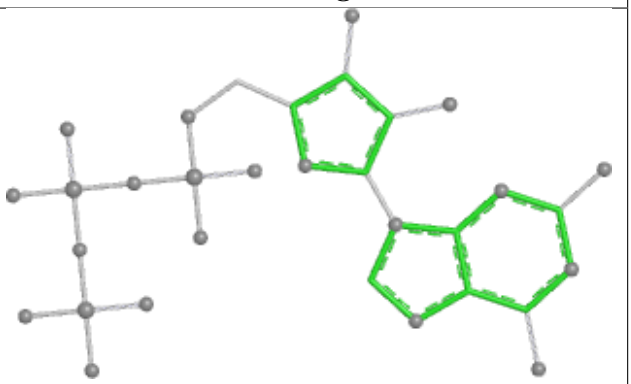
Bond lengths



Bond angles

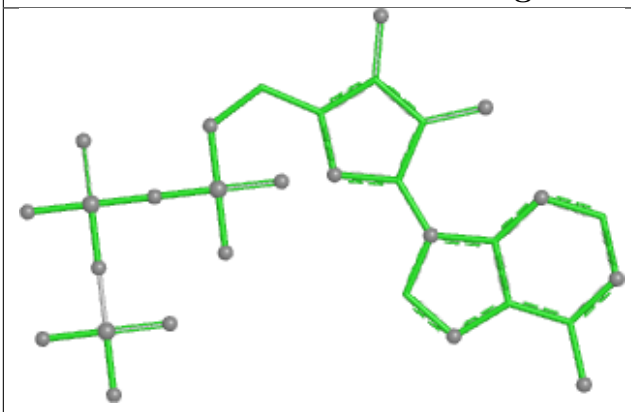


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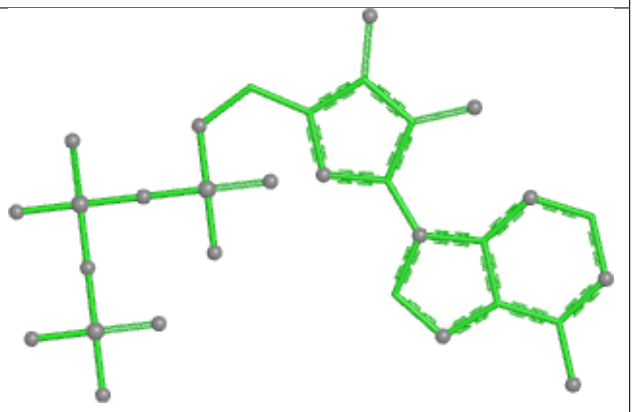


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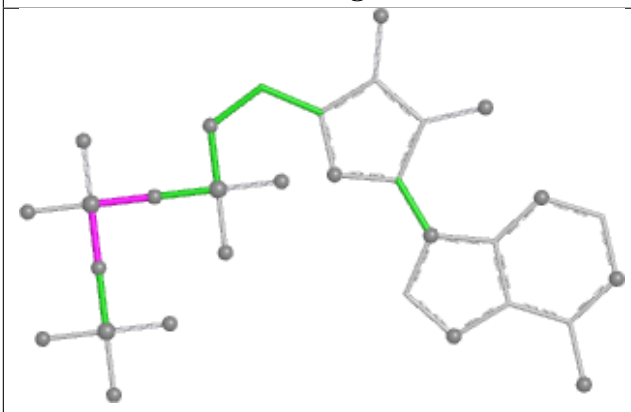
Ligand ATP 7f 4704



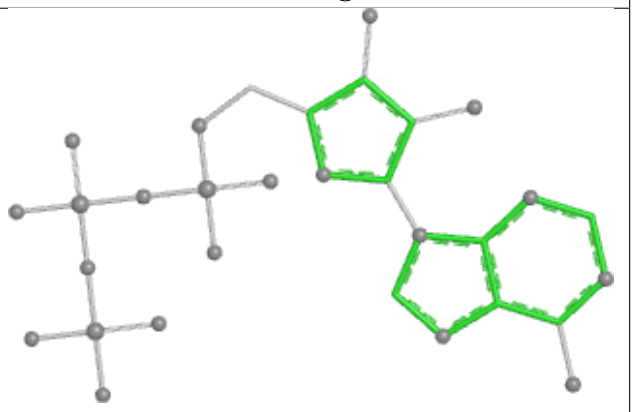
Bond lengths



Bond angles

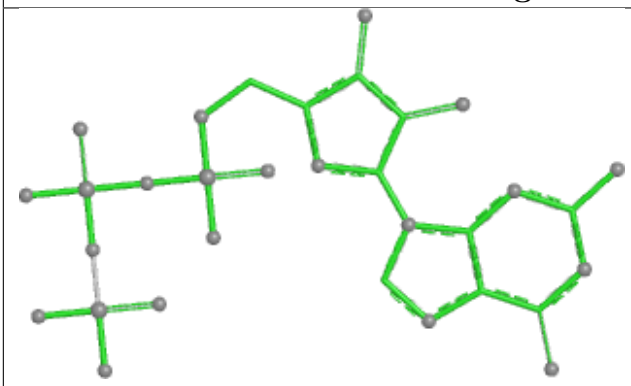


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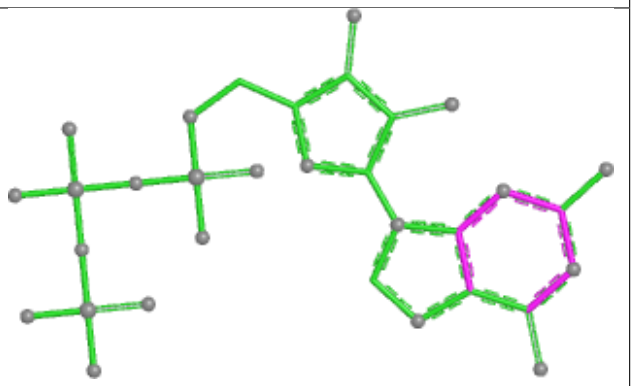


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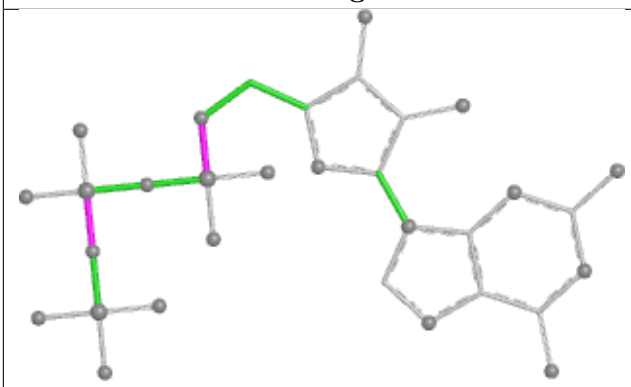
Ligand GTP JT 501



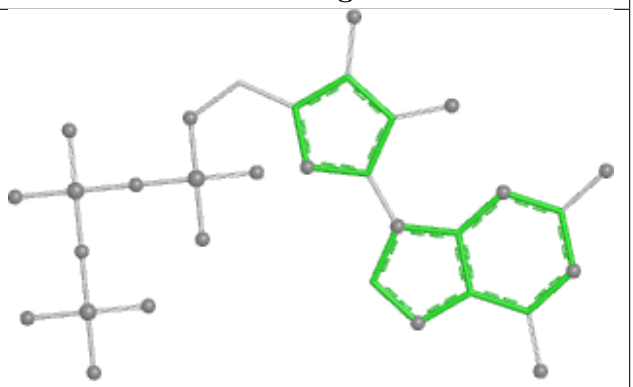
Bond lengths



Bond angles

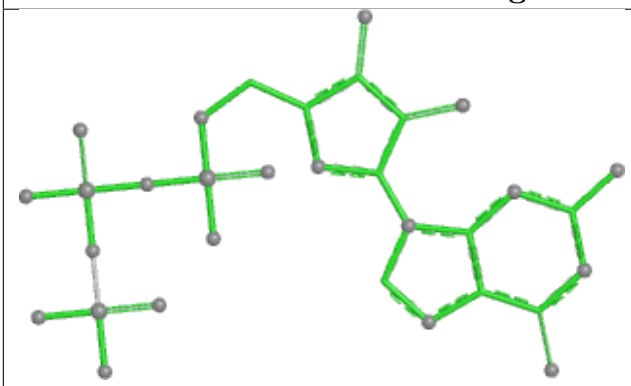


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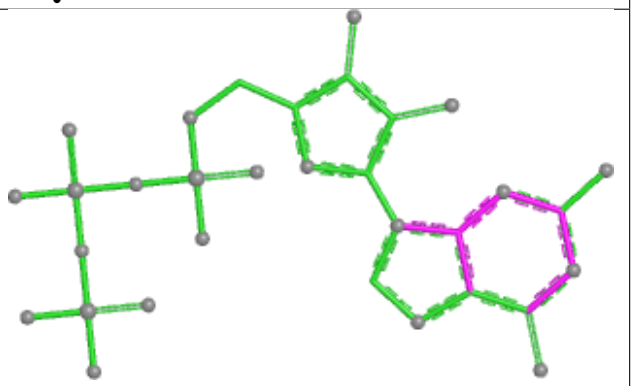


Rings

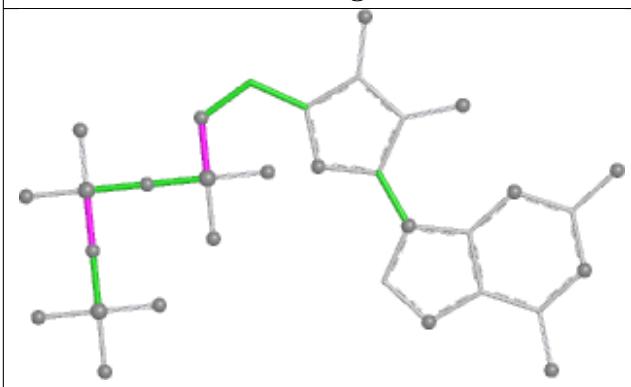
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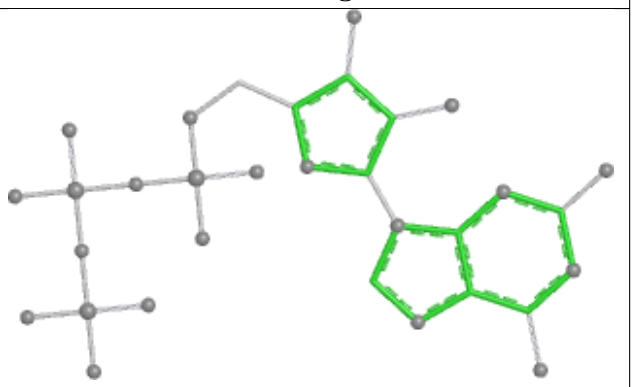
Bond lengths



Bond angles

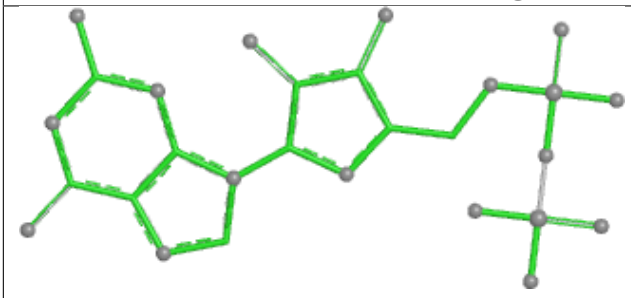


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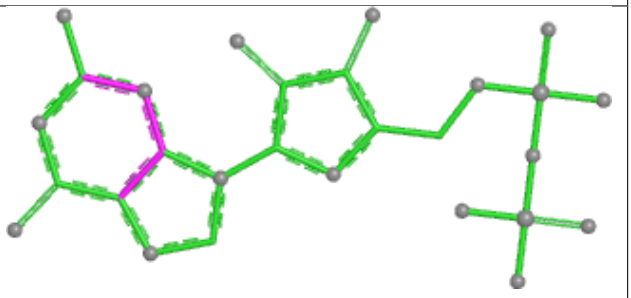


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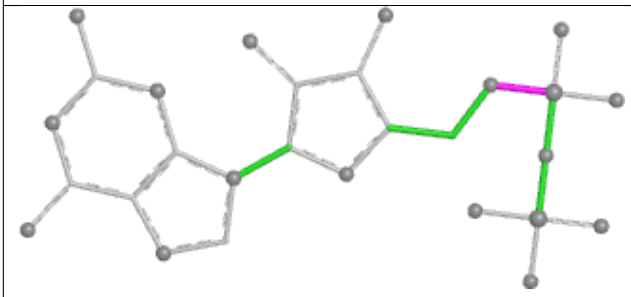
Ligand GDP ZK 501



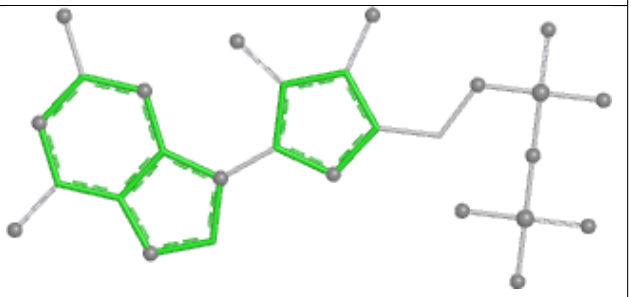
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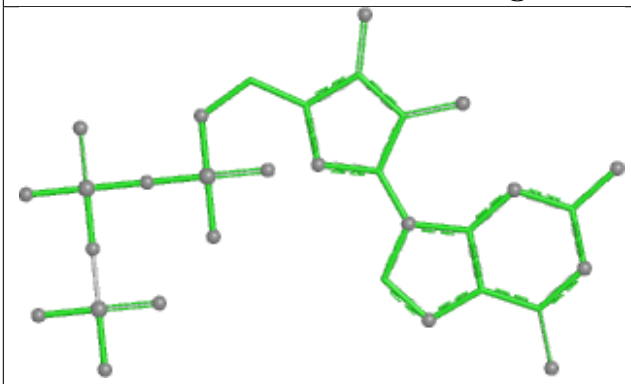


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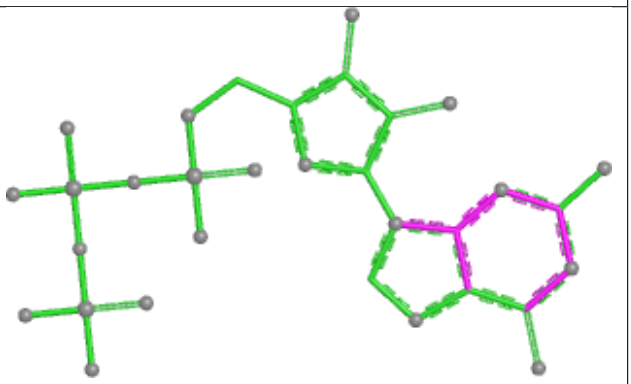


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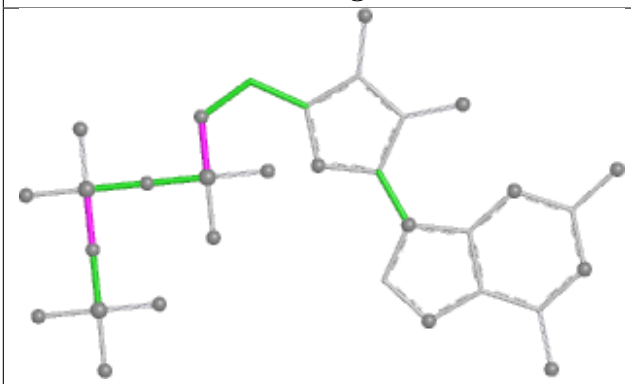
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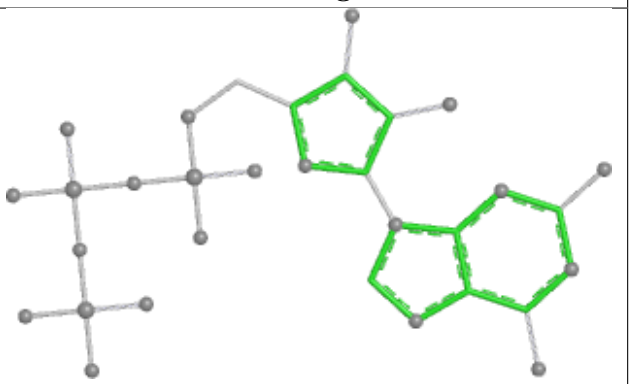
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Bond angles

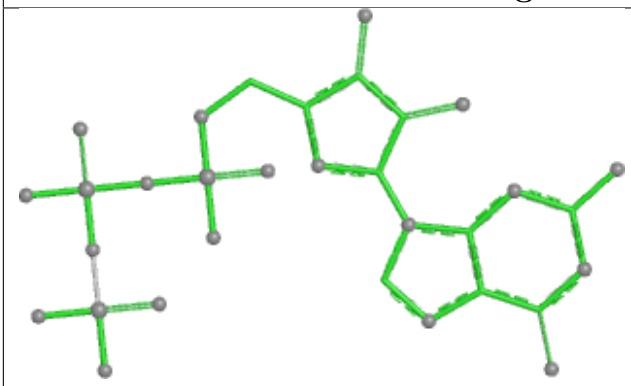


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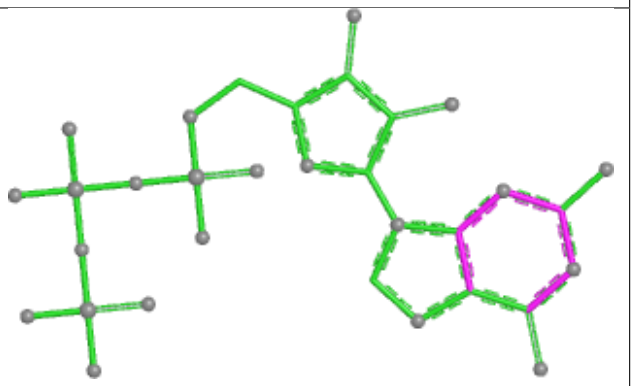


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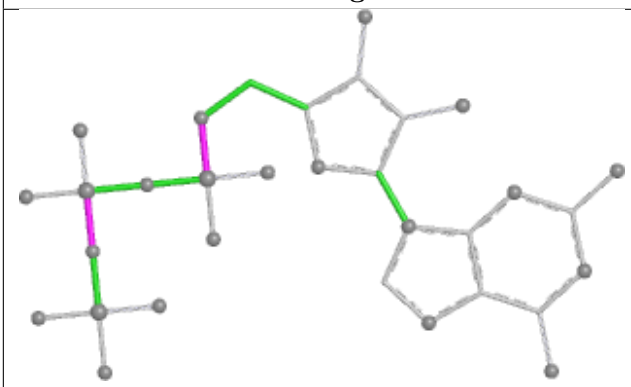
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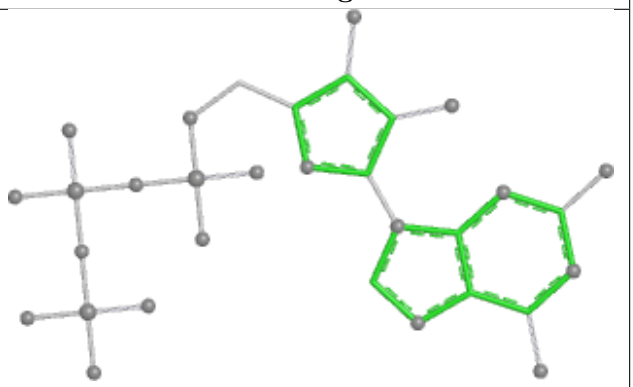
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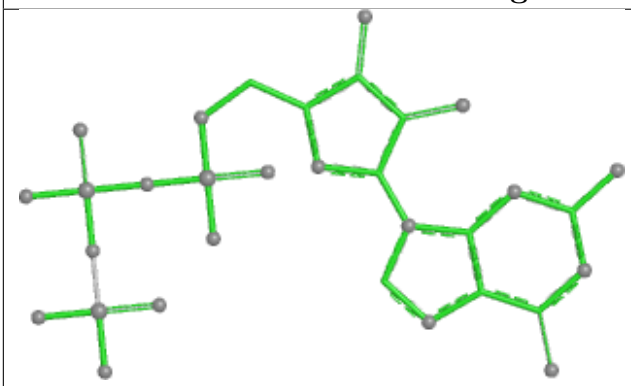


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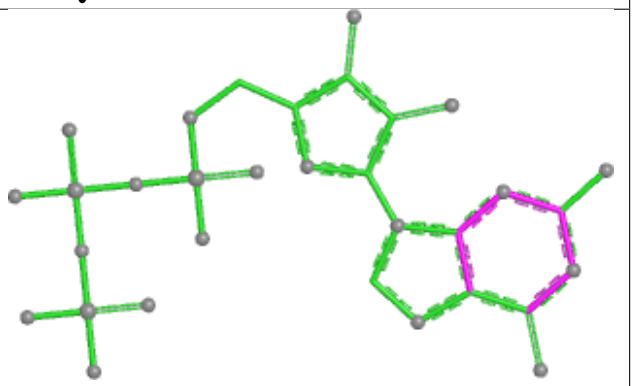


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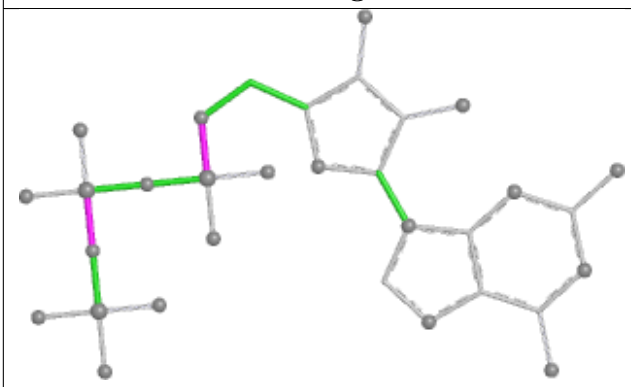
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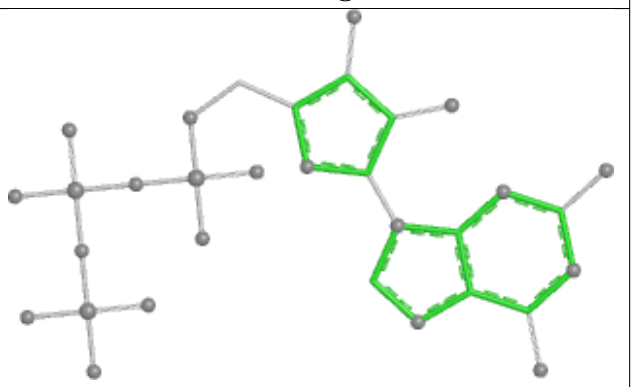
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Bond angles

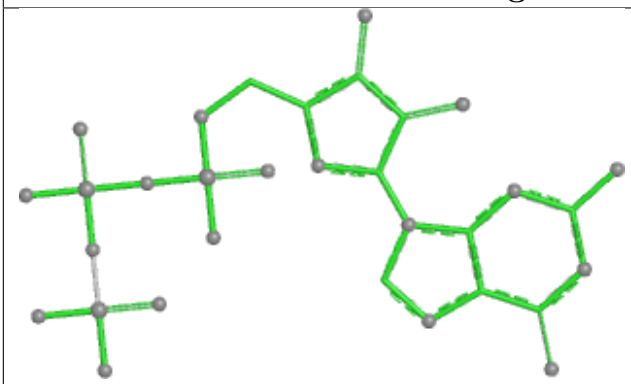


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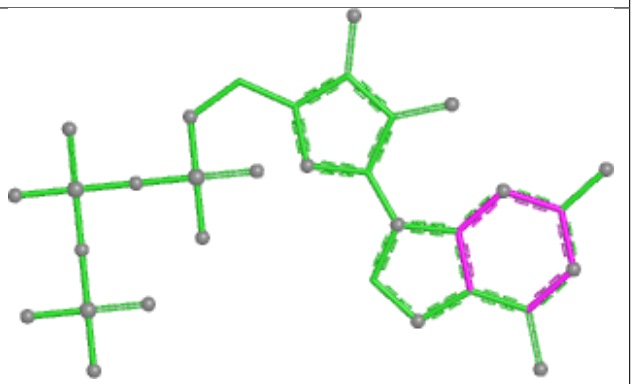


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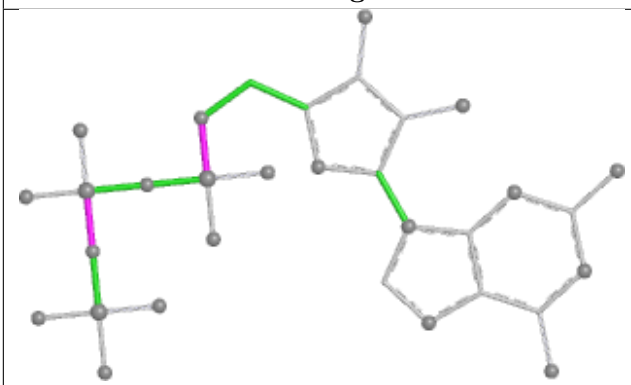
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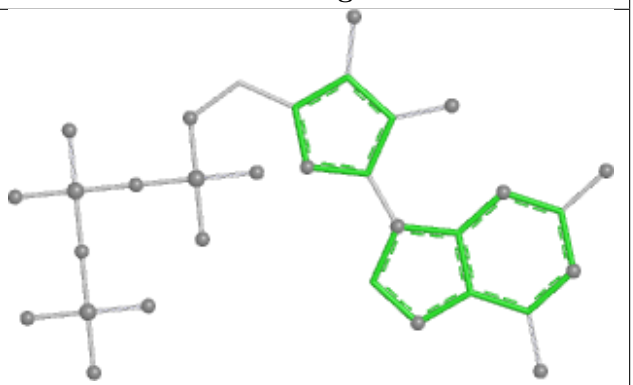
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Bond angles

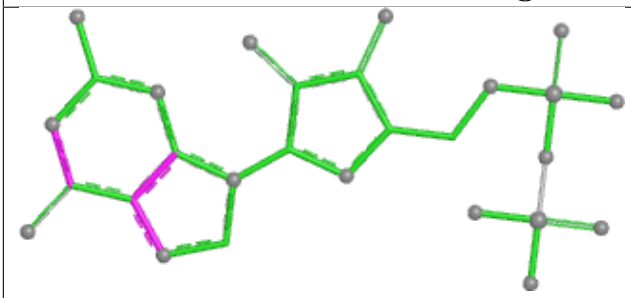


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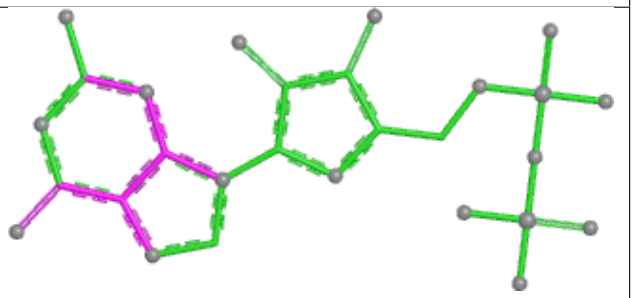


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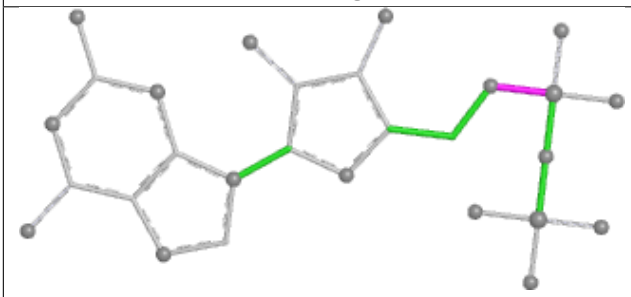
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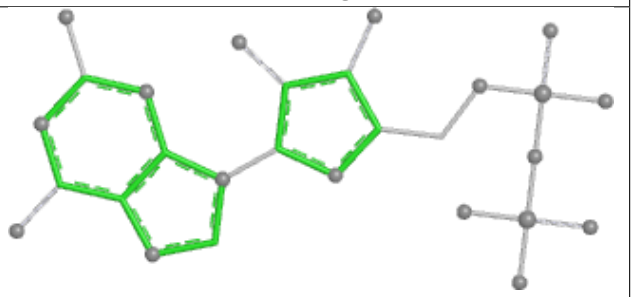
Bond lengths



Bond angles

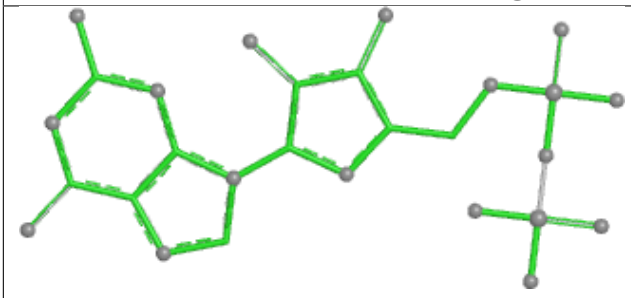


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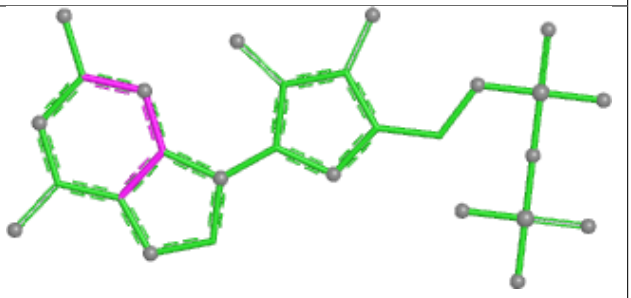


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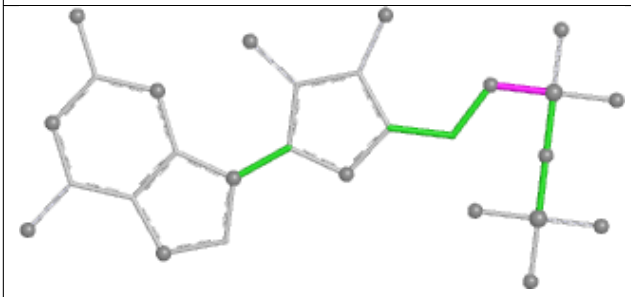
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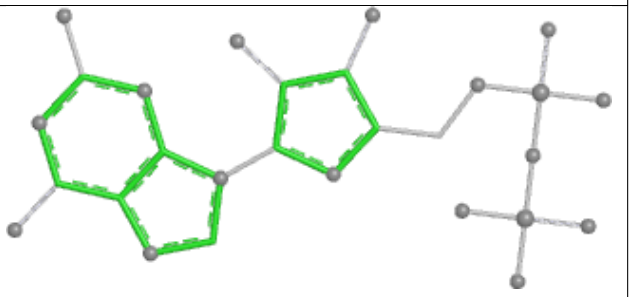
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Bond angles

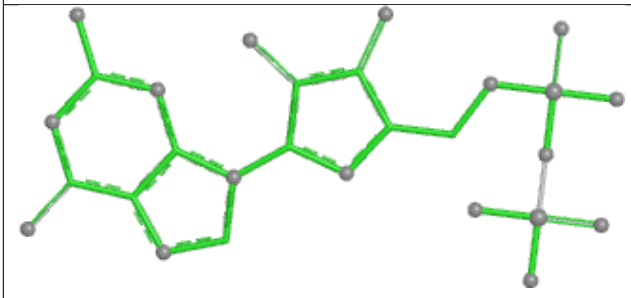


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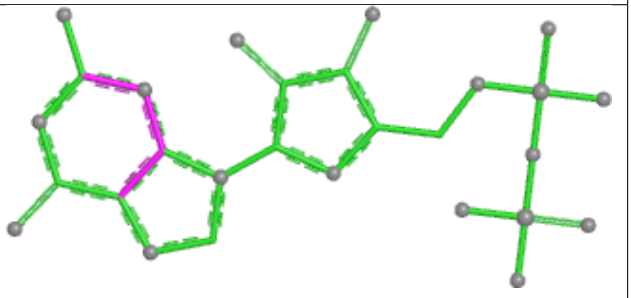


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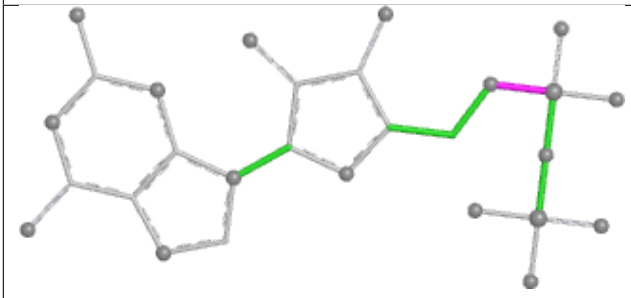
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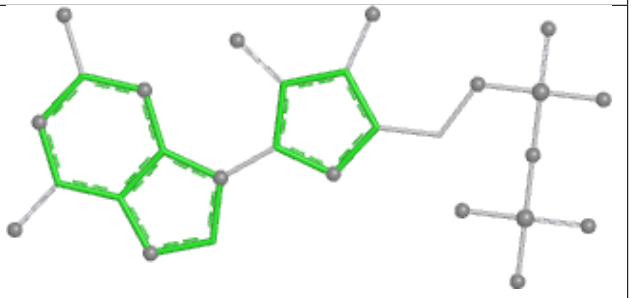
Bond lengths



Bond angles

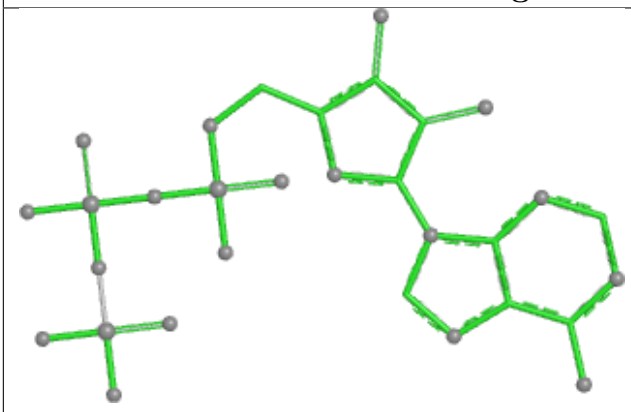


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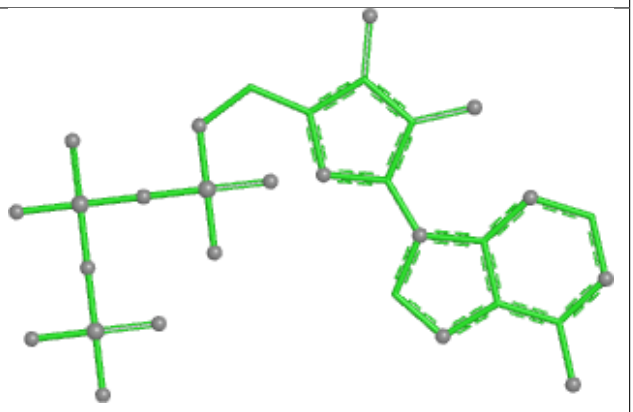


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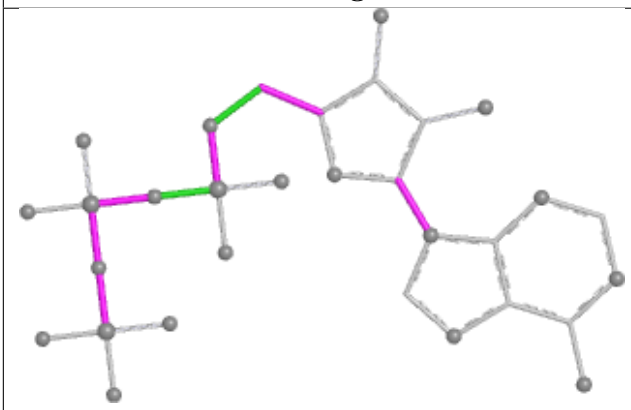
Ligand ATP 7e 4703



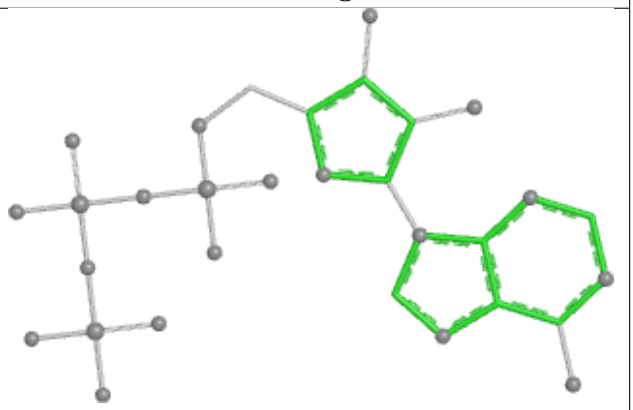
Bond lengths



Bond angles

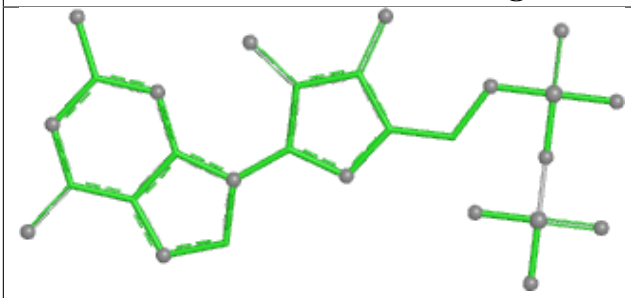


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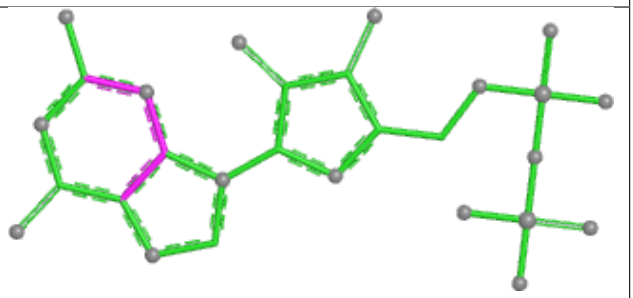


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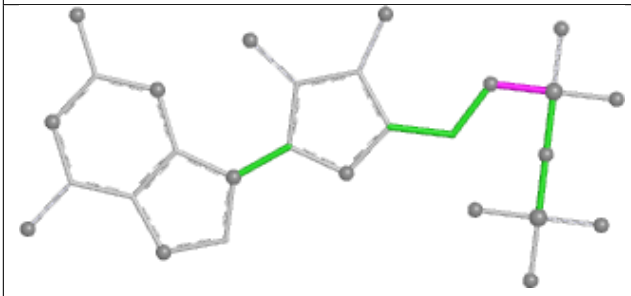
Ligand GDP GB 501



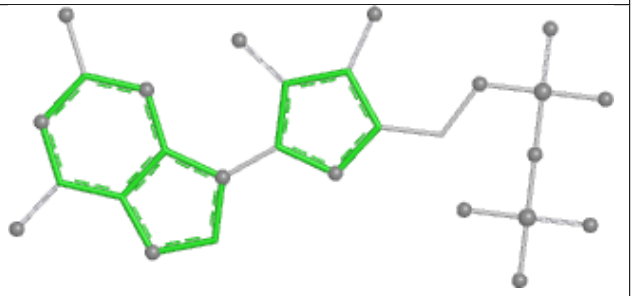
Bond lengths



Bond angles

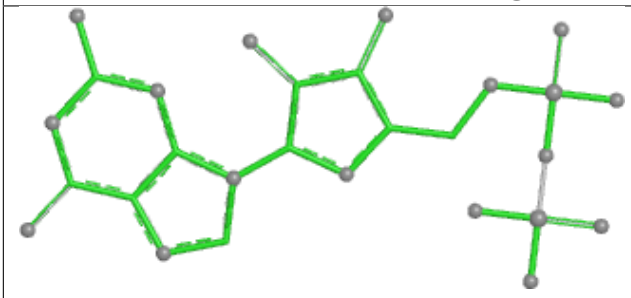


Torsions

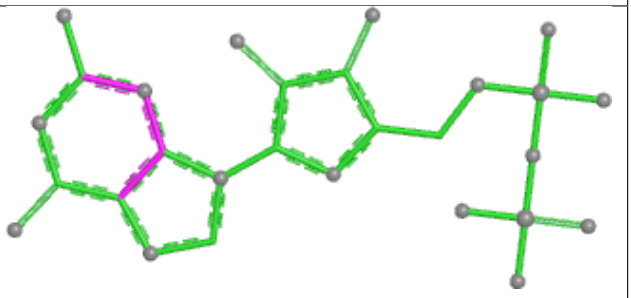


Rings

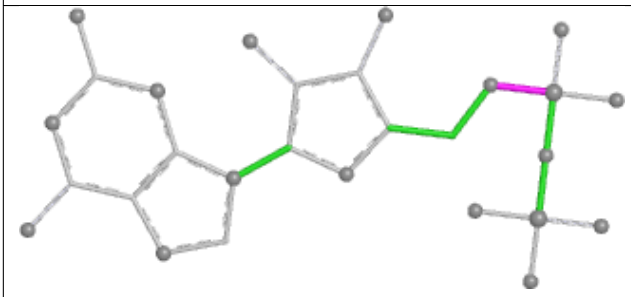
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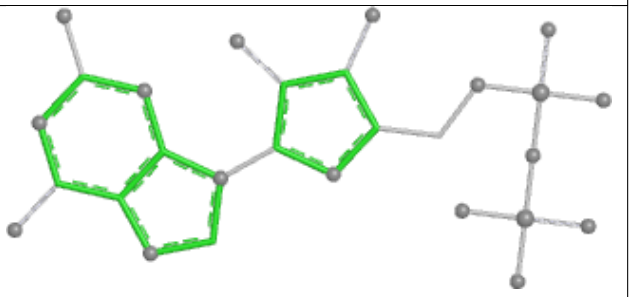
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Bond angles

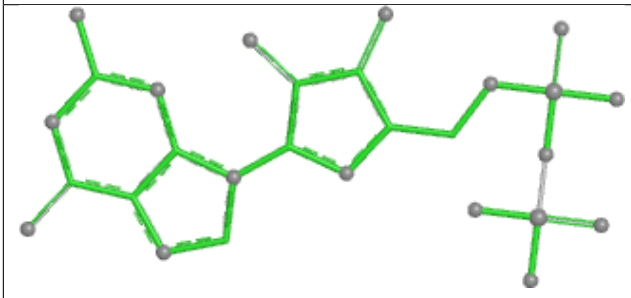


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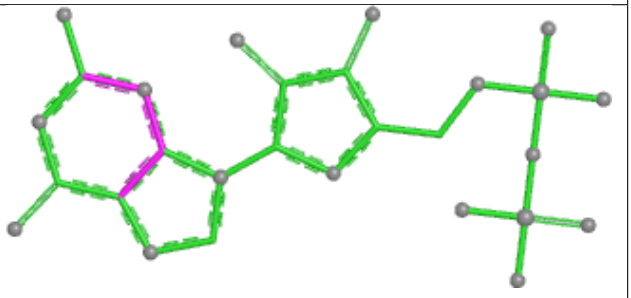


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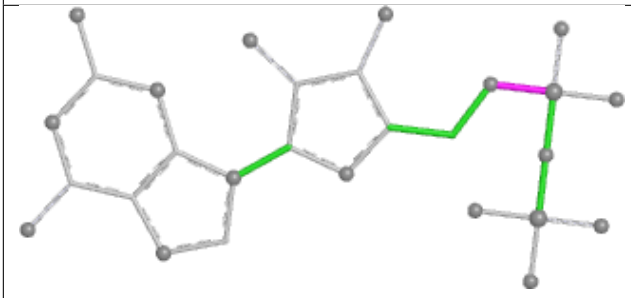
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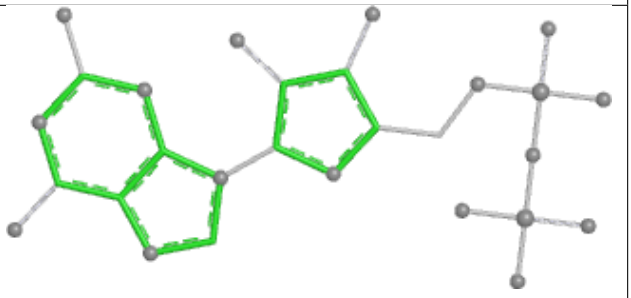
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Bond angles

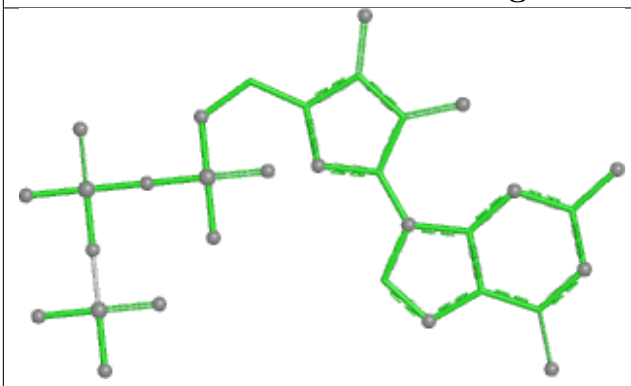


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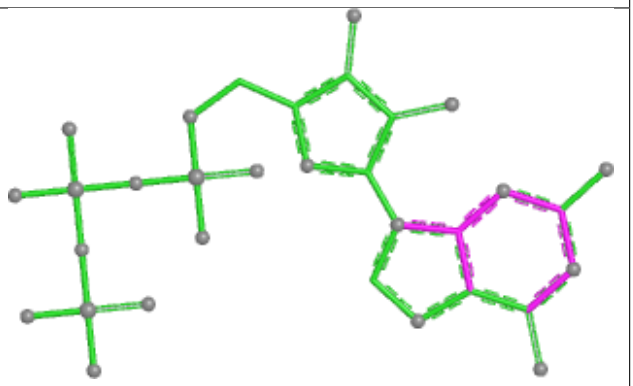


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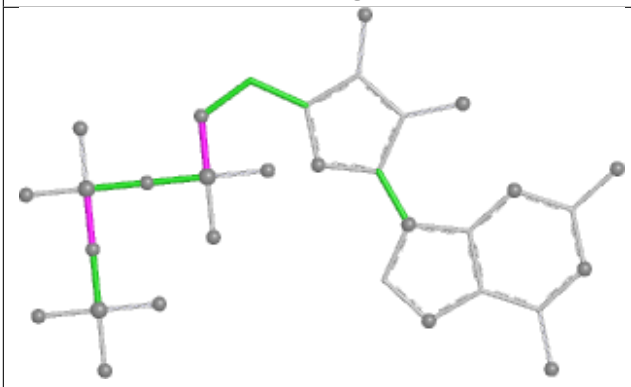
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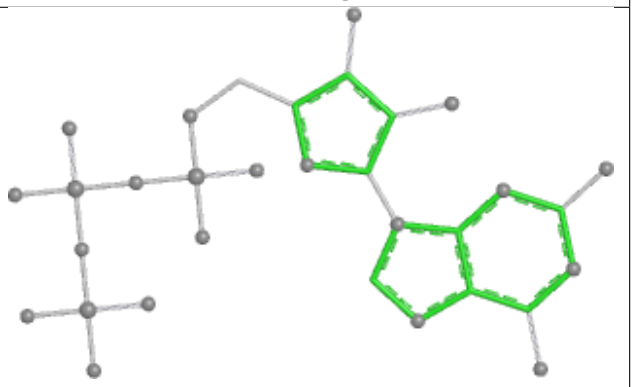
Bond lengths



Bond angles

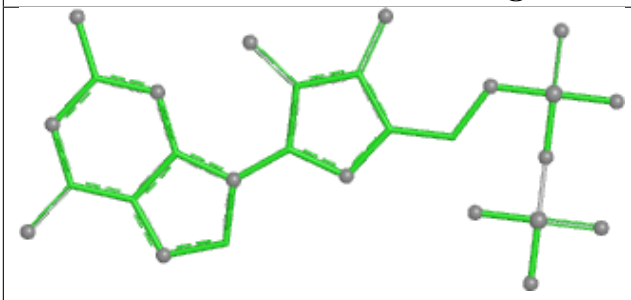


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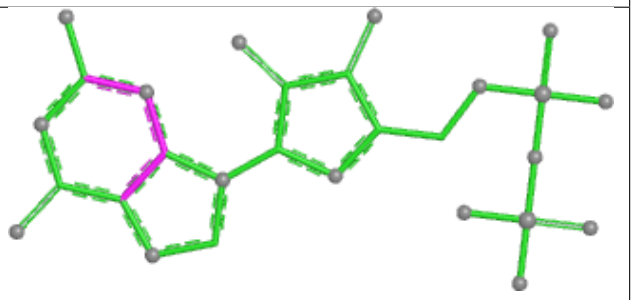


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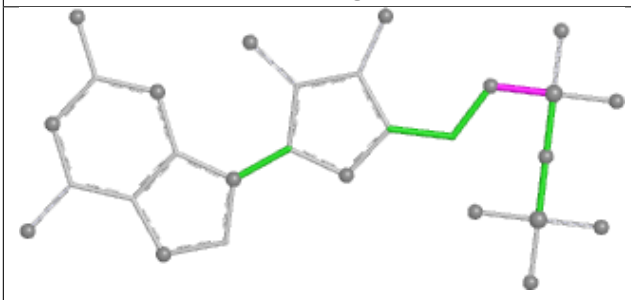
Ligand GDP CH 501



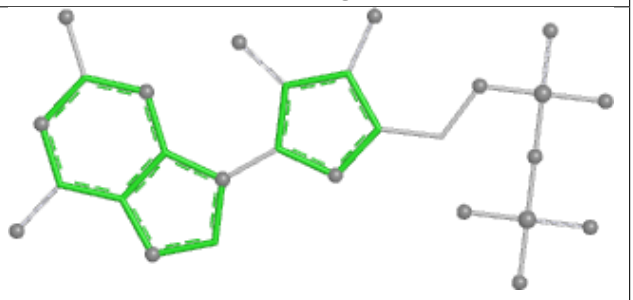
Bond lengths



Bond angles

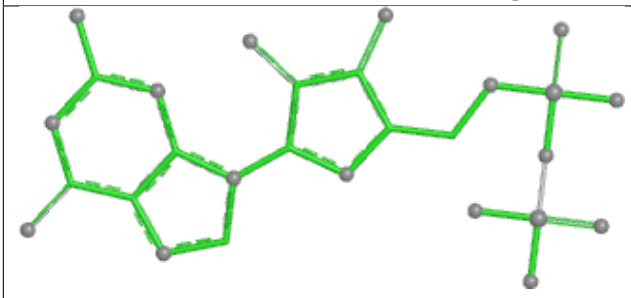


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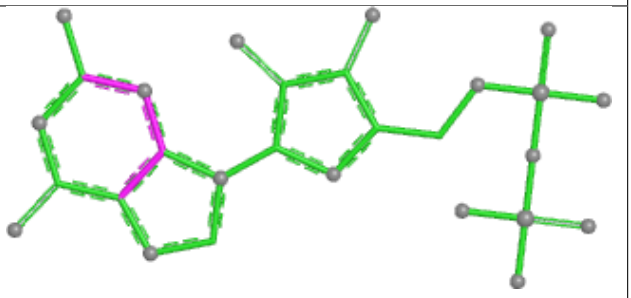


Rings

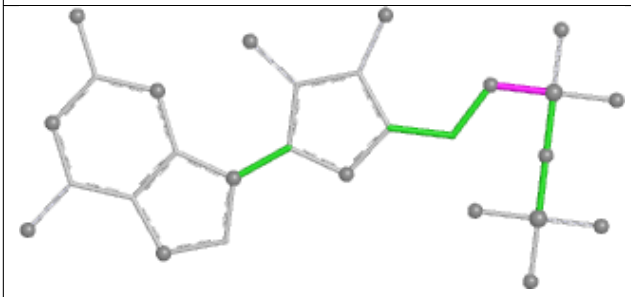
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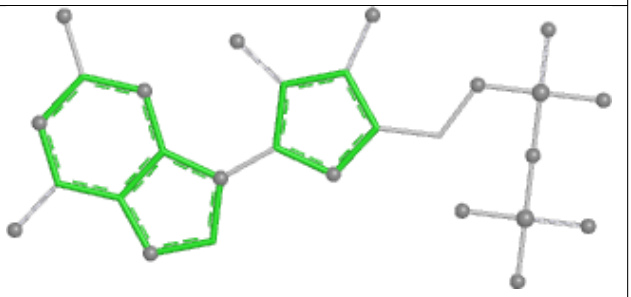
Bond lengths



Bond angles

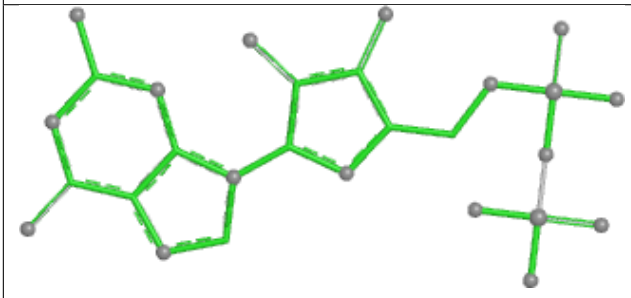


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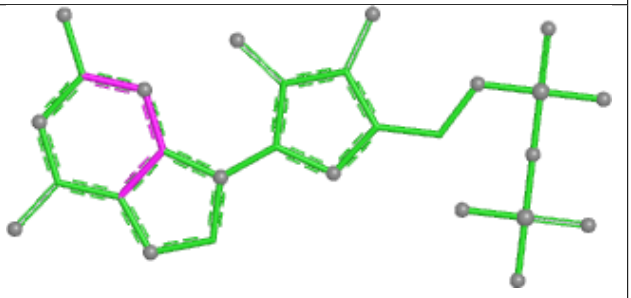


Rings

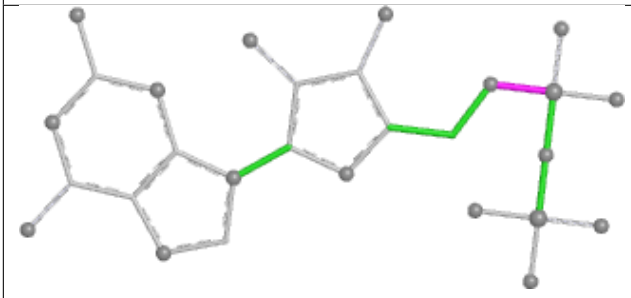
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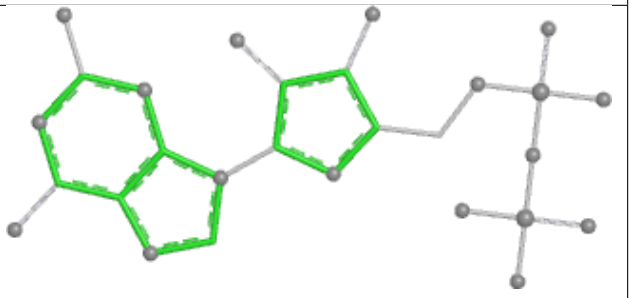
Bond lengths



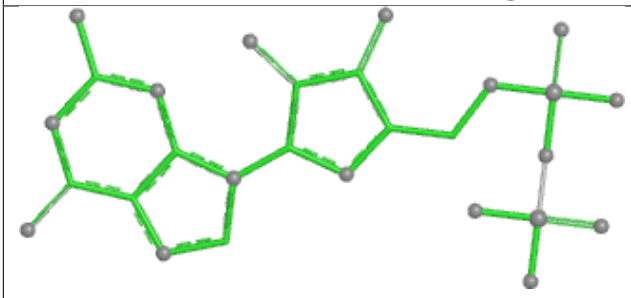
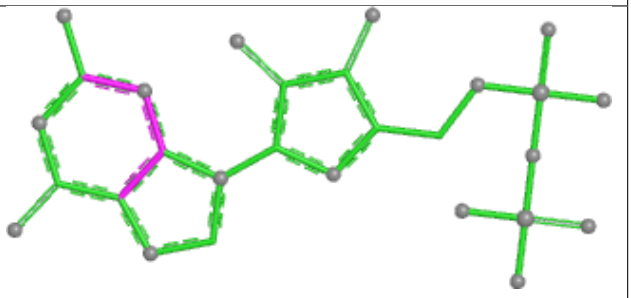
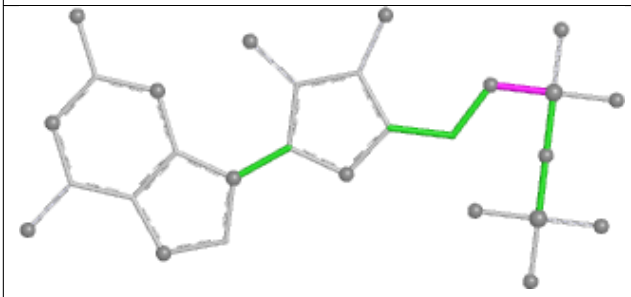
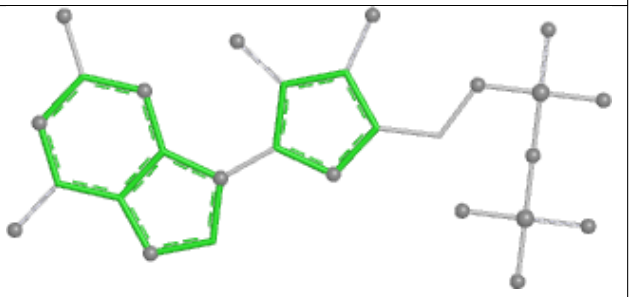
Bond angles

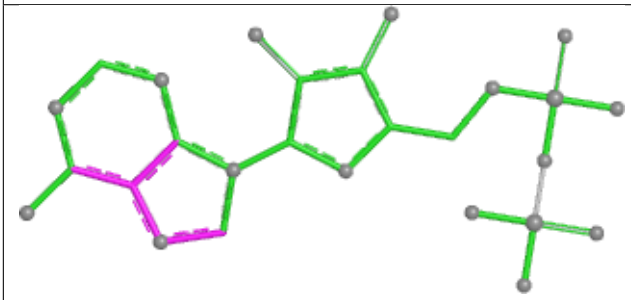
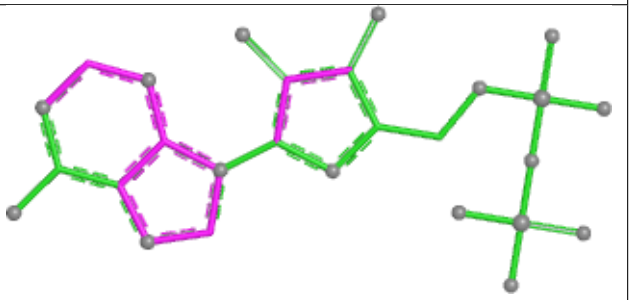
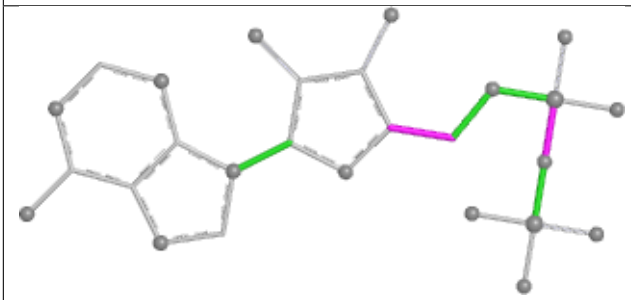
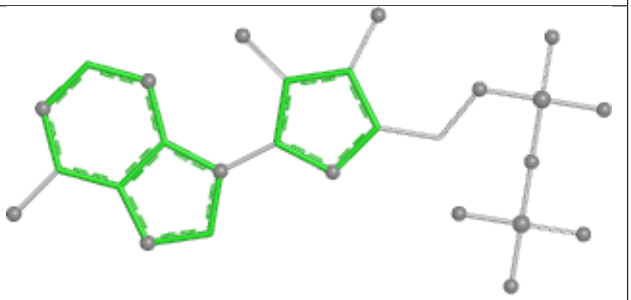


Torsions

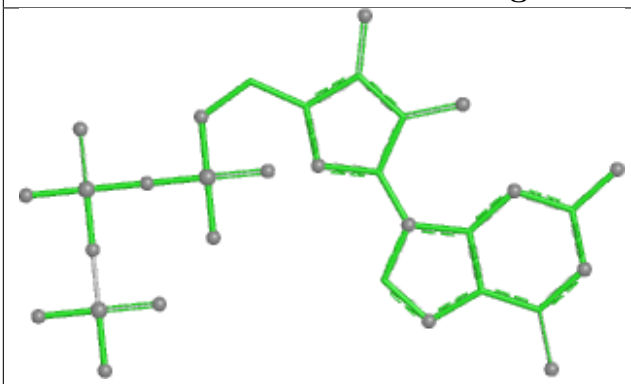


Rings

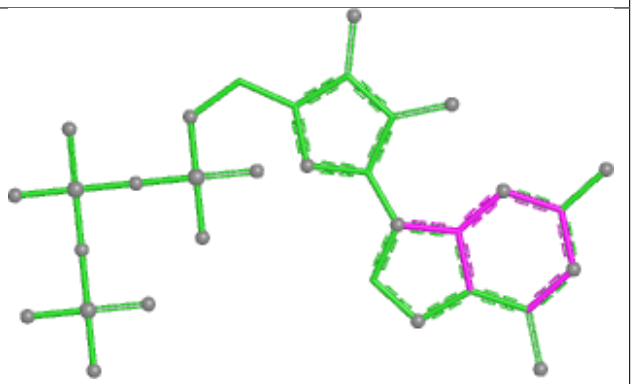
Ligand GDP WN 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand ADP 7a 4703	
 Bond lengths	 Bond angles
 Torsions	 Rings

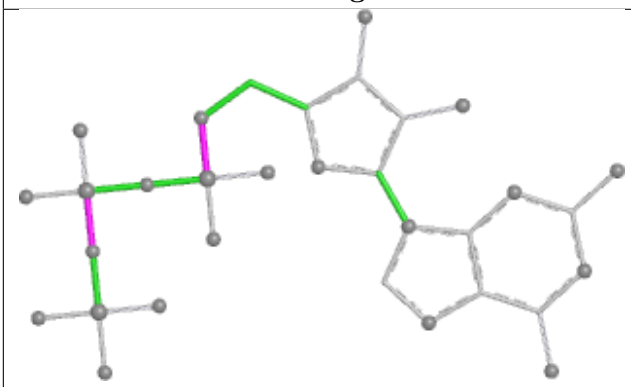
Ligand GTP YA 602



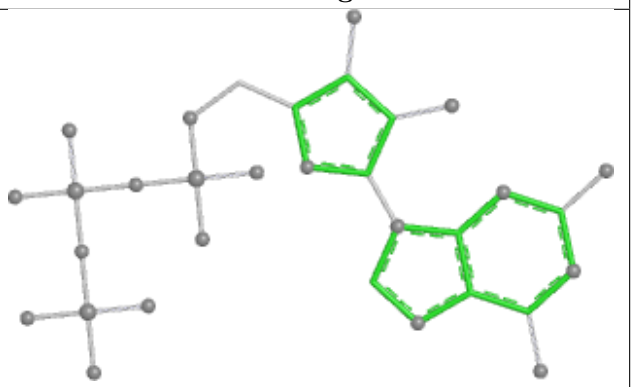
Bond lengths



Bond angles

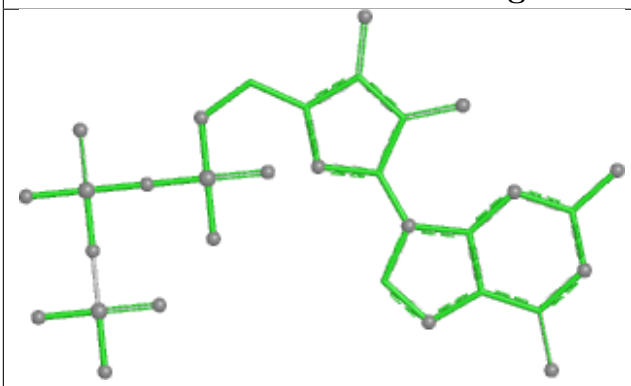


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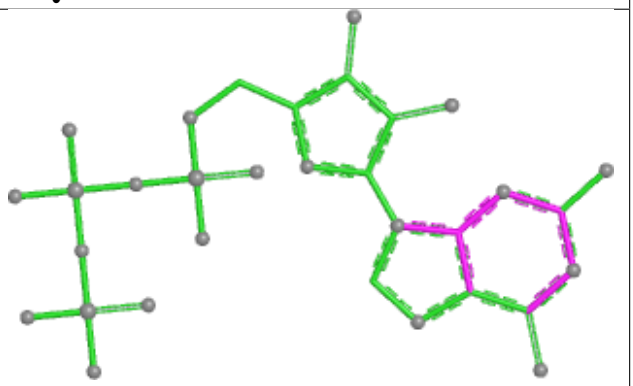


Rings

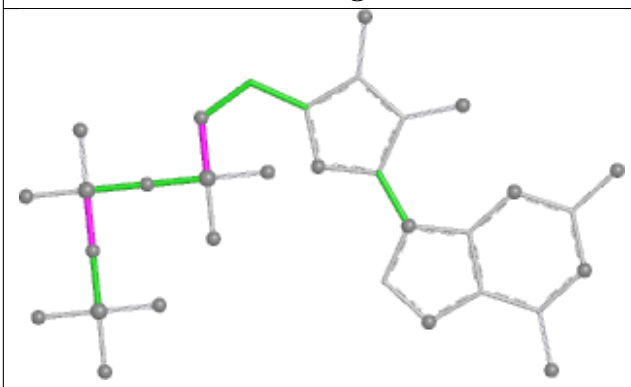
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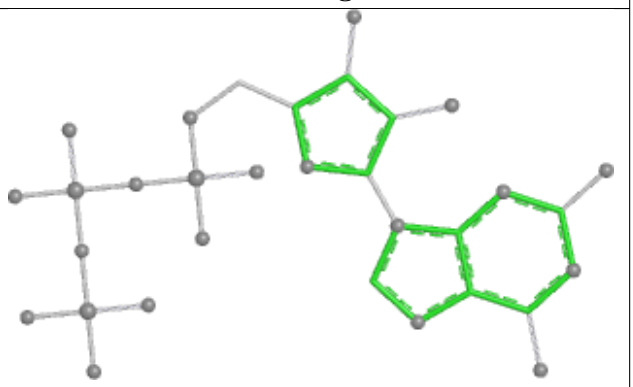
Bond lengths



Bond angles

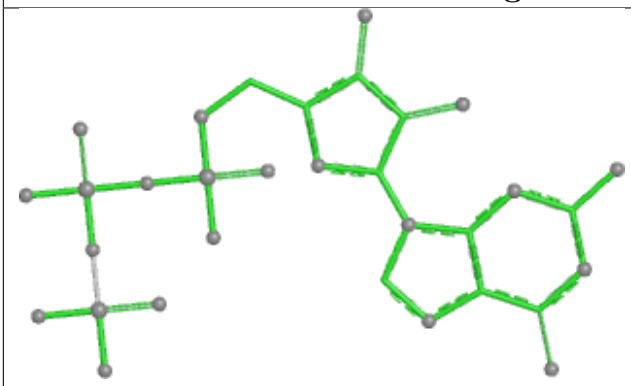


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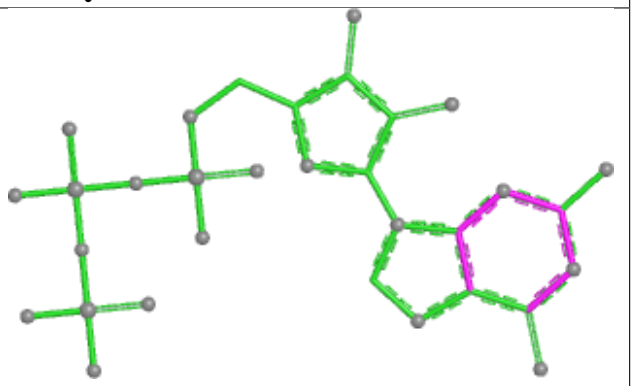


Rings

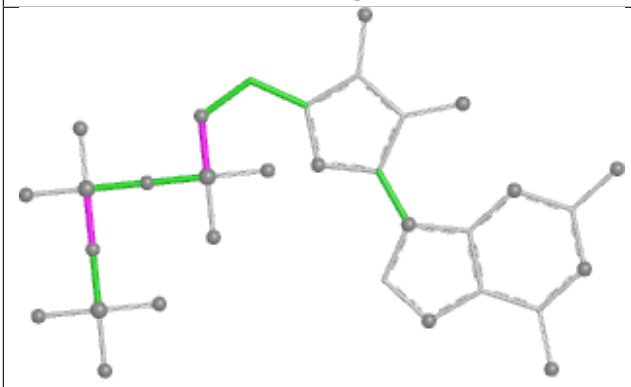
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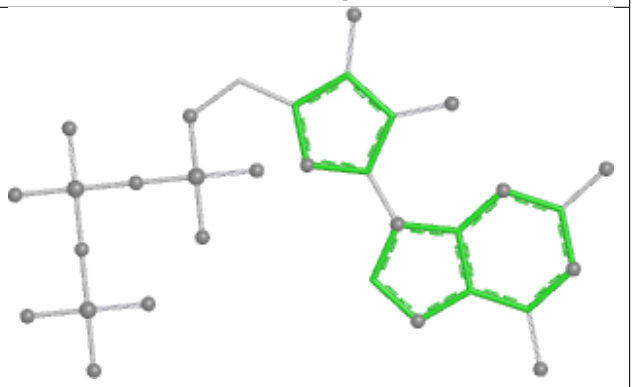
Bond lengths



Bond angles

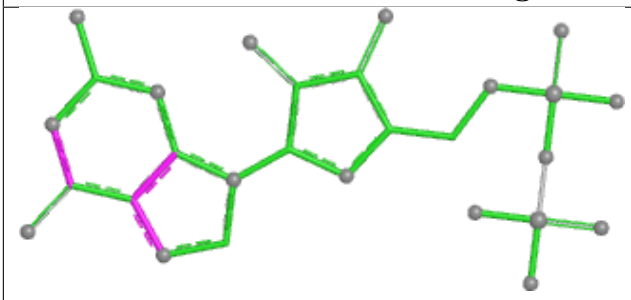


Torsions

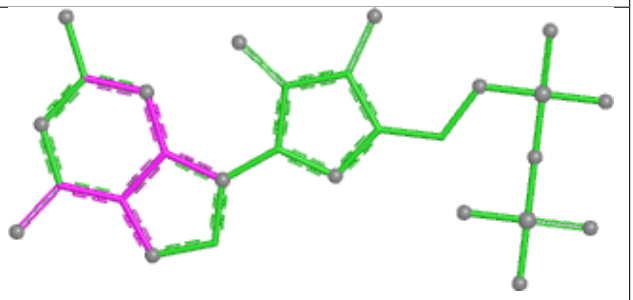


Rings

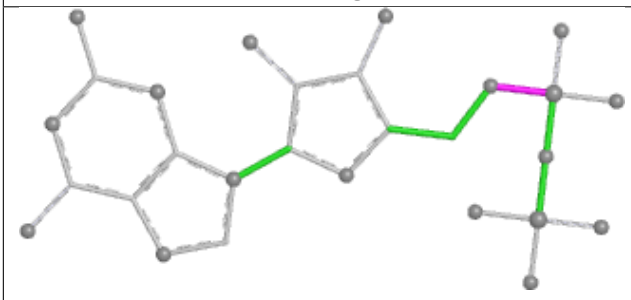
Ligand GDP IN 501



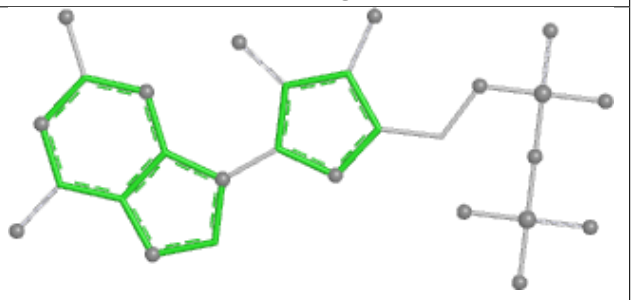
Bond lengths



Bond angles

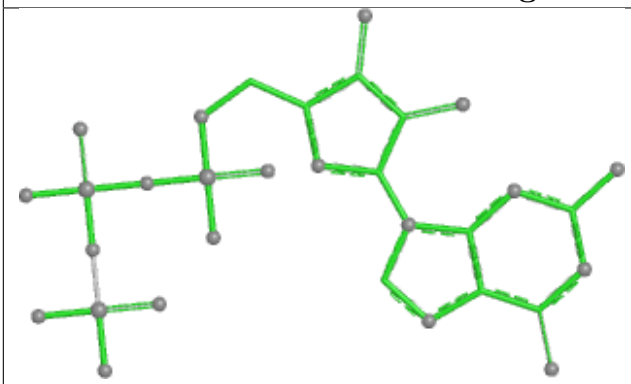


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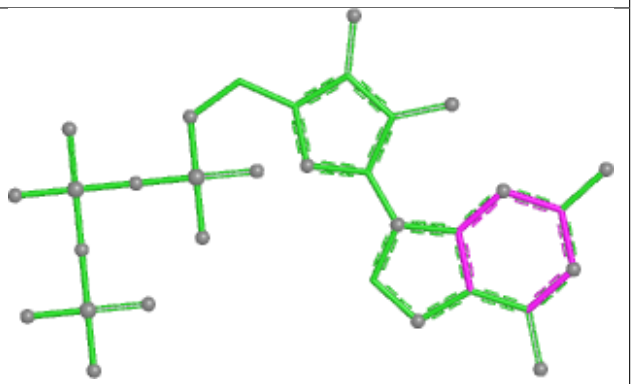


Rings

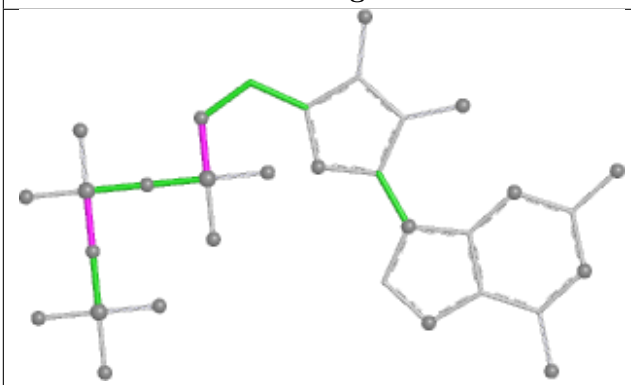
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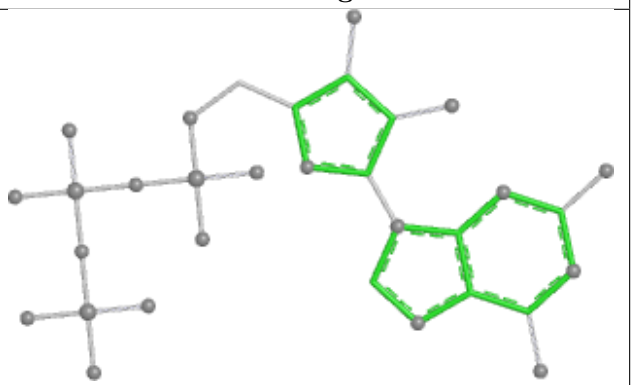
Bond lengths



Bond angles

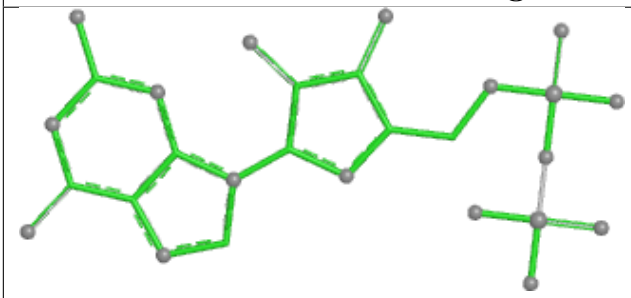


Torsions

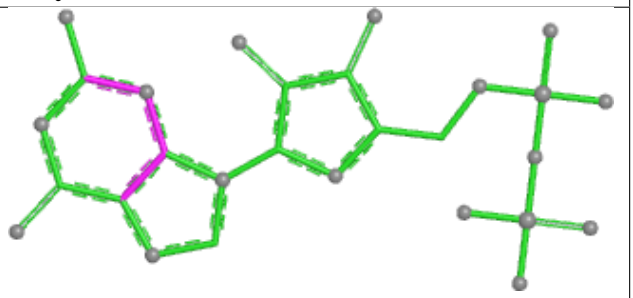


Rings

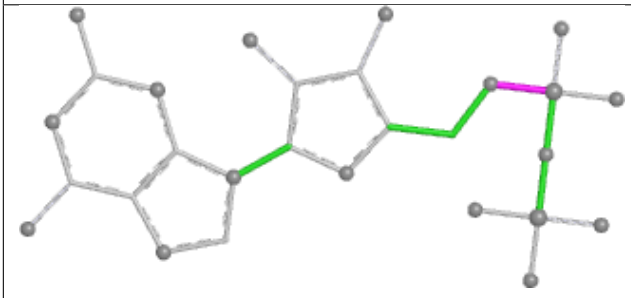
Ligand GDP QX 501



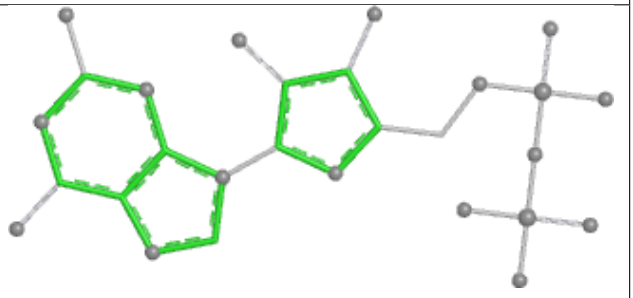
Bond lengths



Bond angles

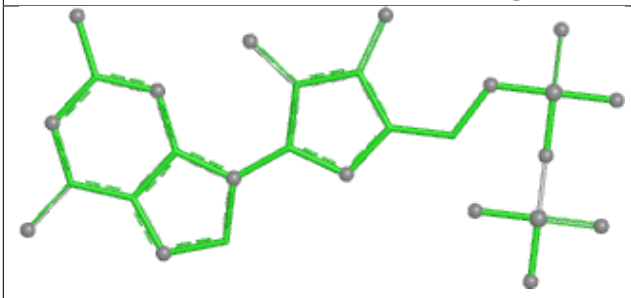


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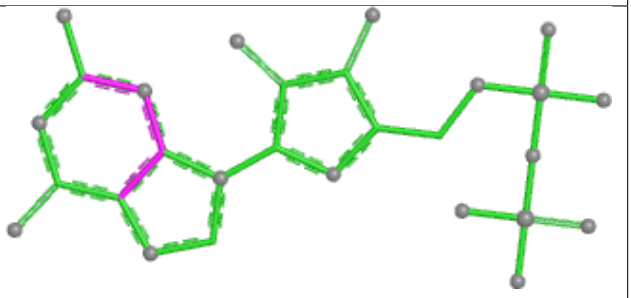


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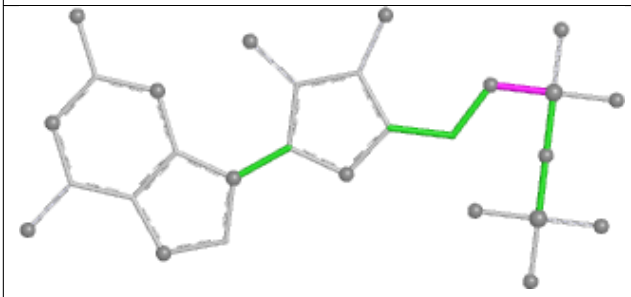
Ligand GDP DA 501



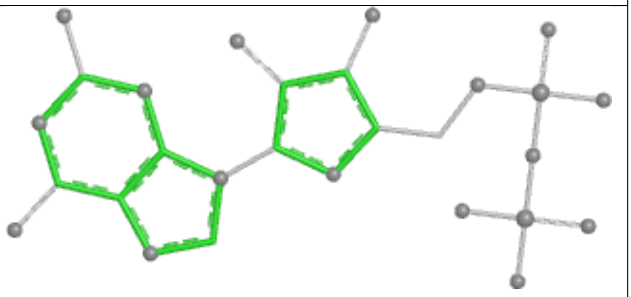
Bond lengths



Bond angles

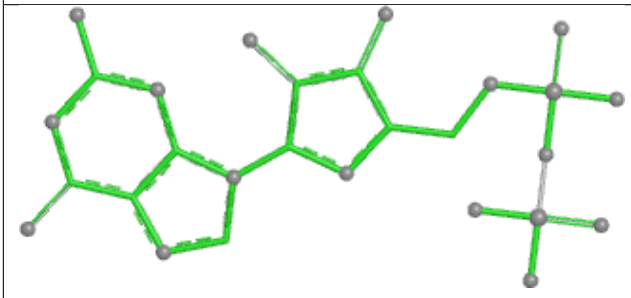


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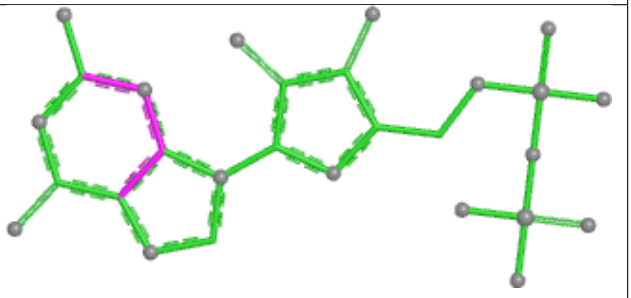


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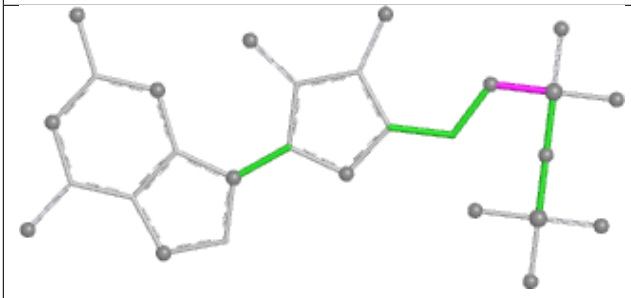
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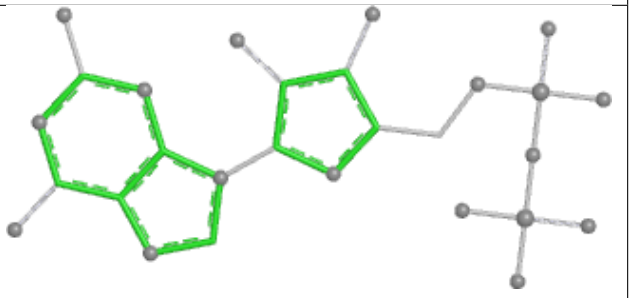
Bond lengths



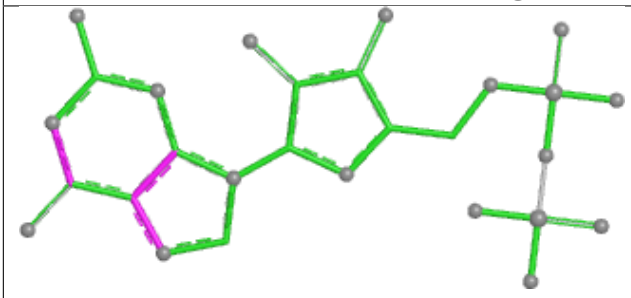
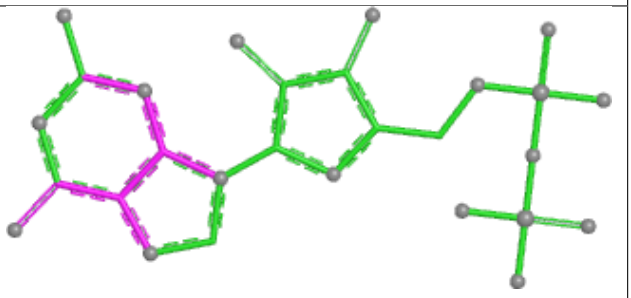
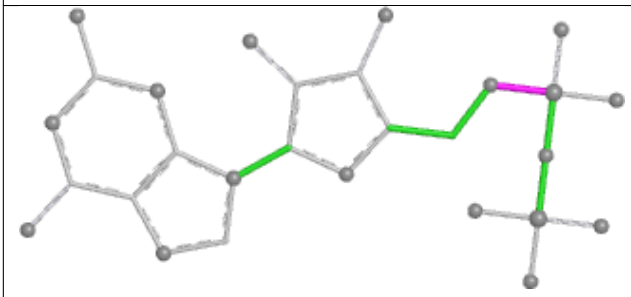
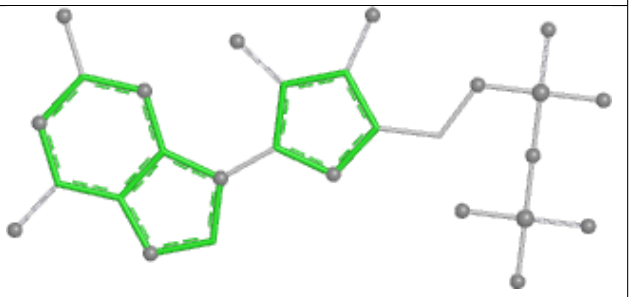
Bond angles

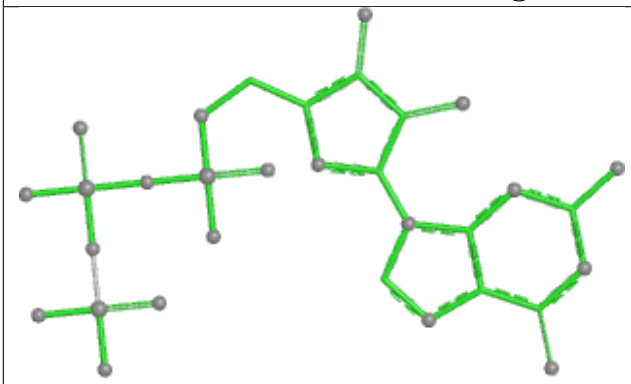
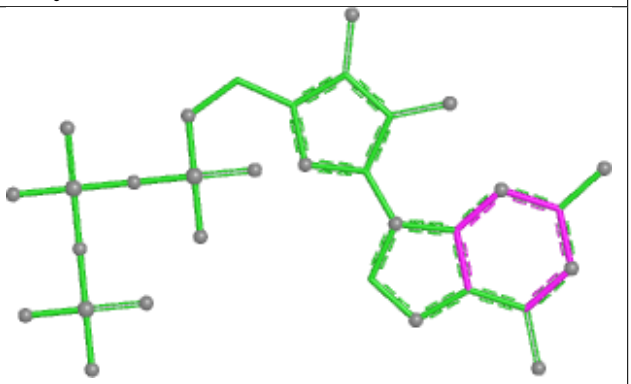
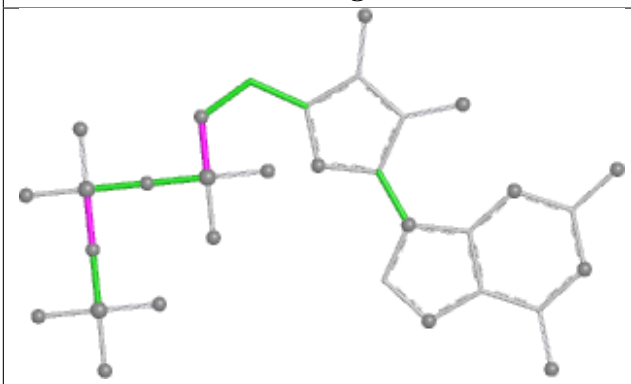
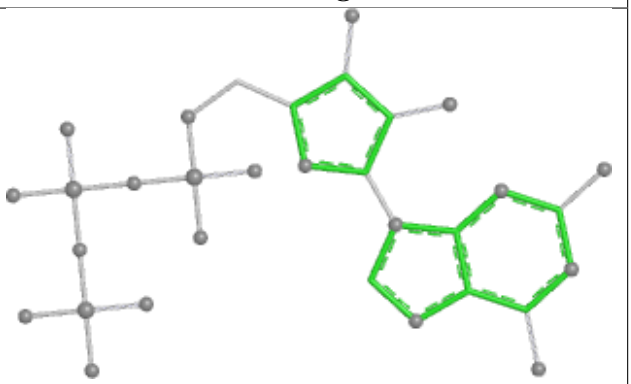


Torsions

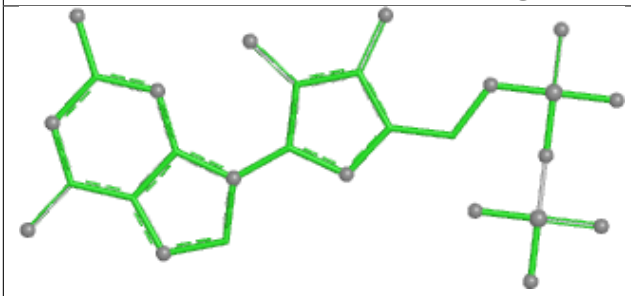


Rings

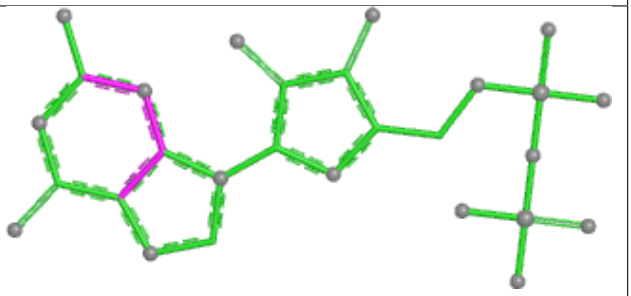
Ligand GDP GZ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP QE 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

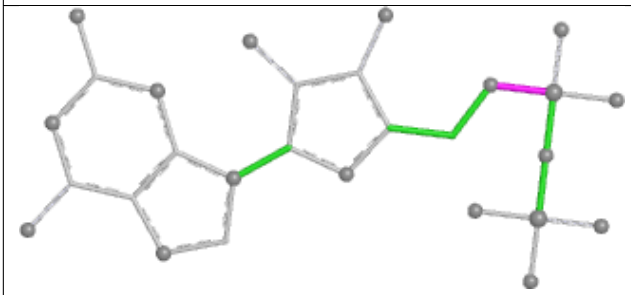
Ligand GDP IR 501



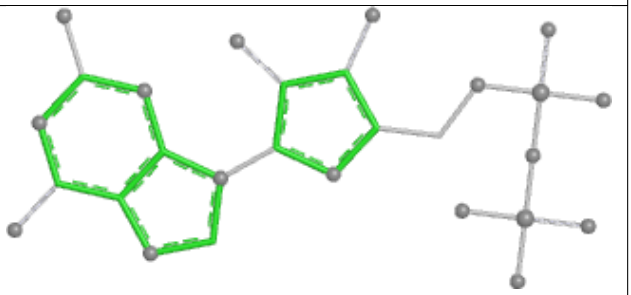
Bond lengths



Bond angles

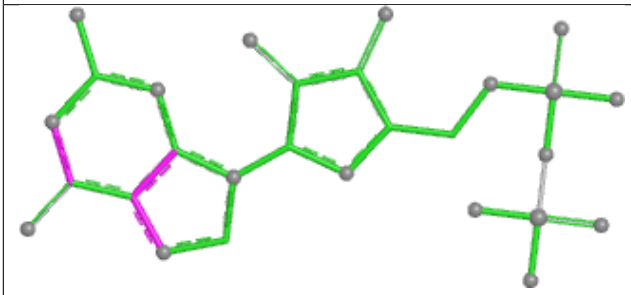


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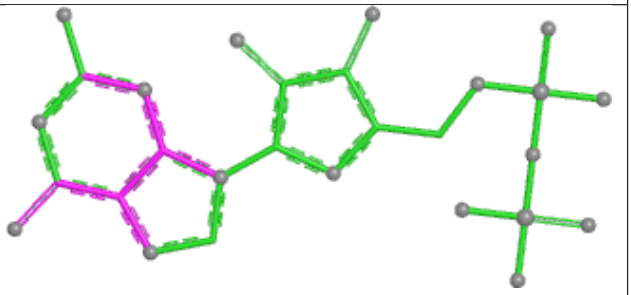


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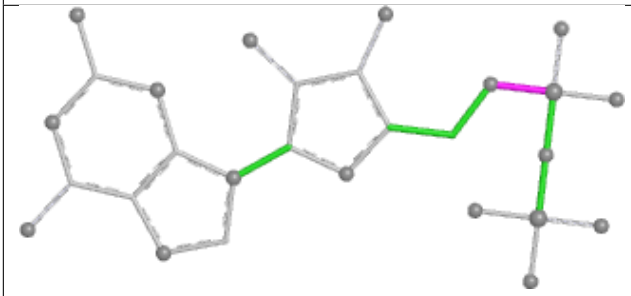
Ligand GDP DT 501



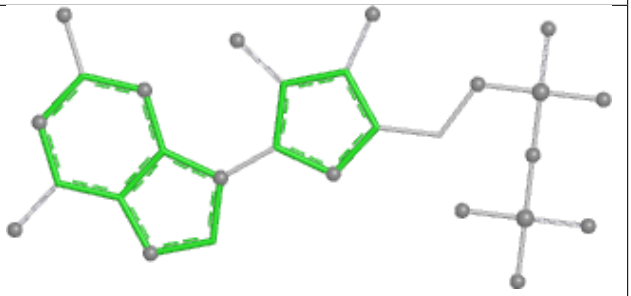
Bond lengths



Bond angles

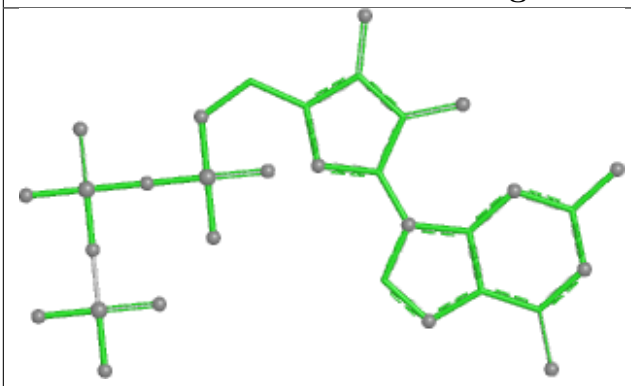


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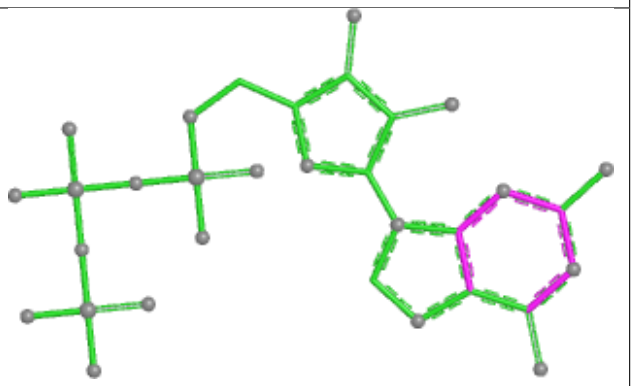


Rings

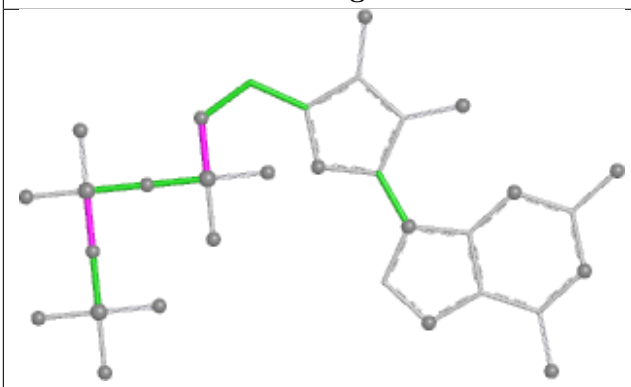
Ligand GTP OB 501



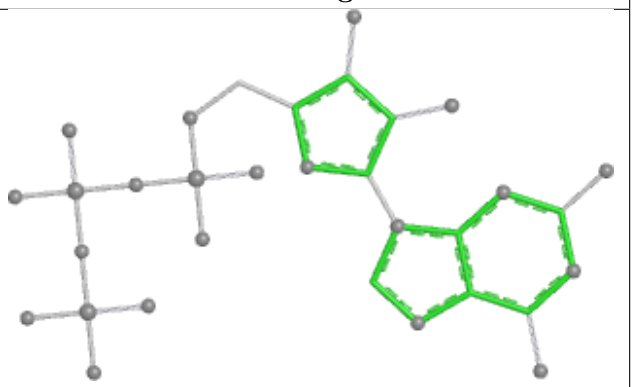
Bond lengths



Bond angles

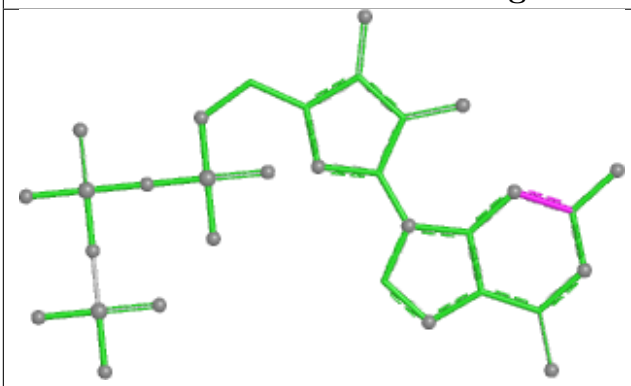


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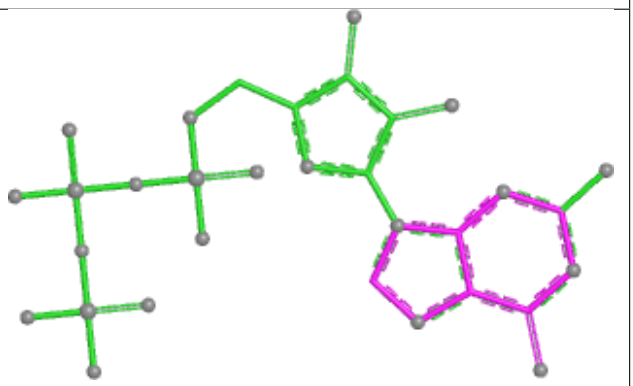


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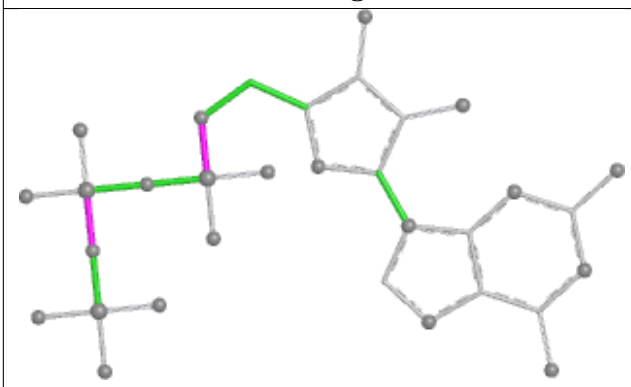
Ligand GTP HC 602



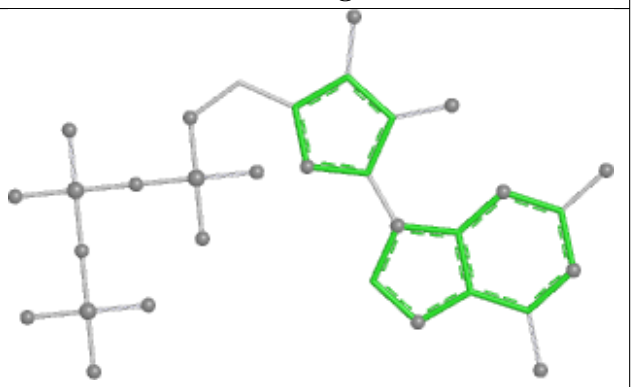
Bond lengths



Bond angles

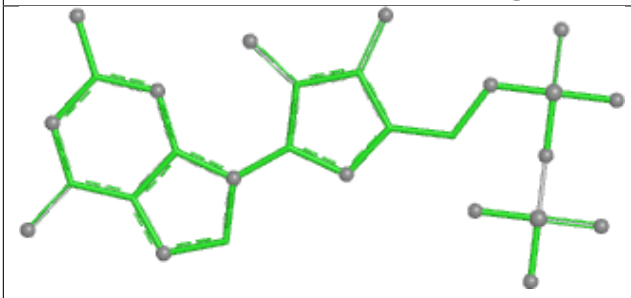


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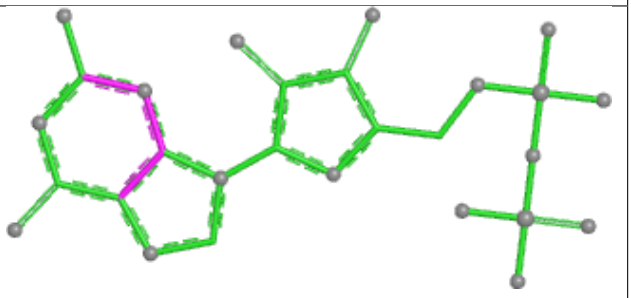


Rings

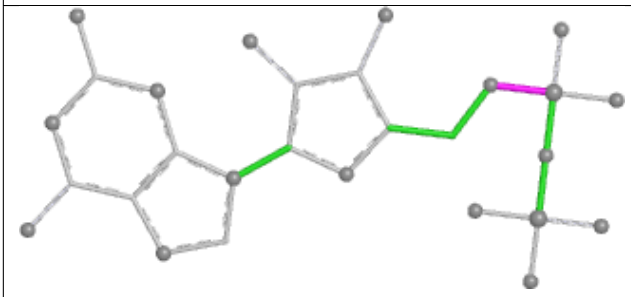
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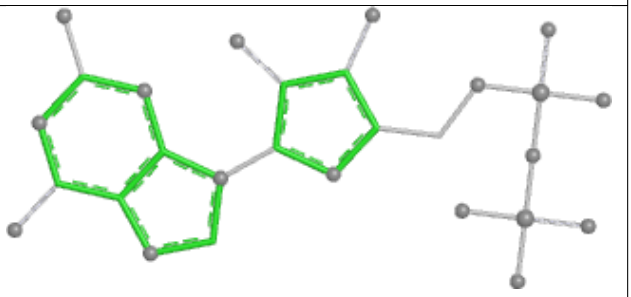
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Bond angles

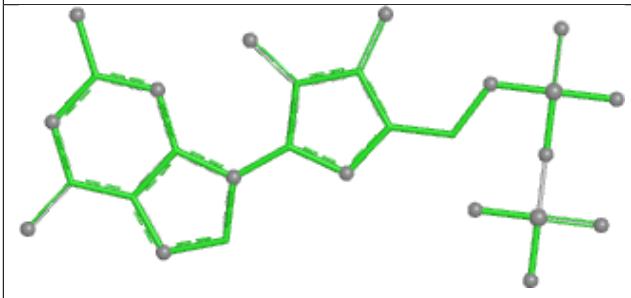


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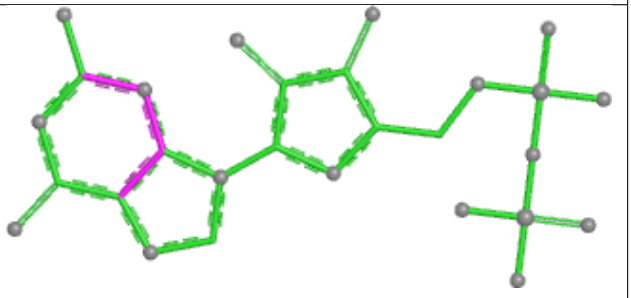


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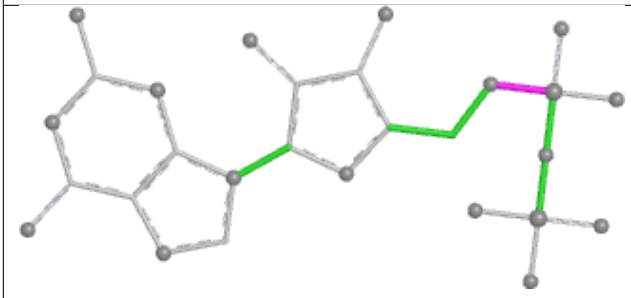
Ligand GDP QZ 501



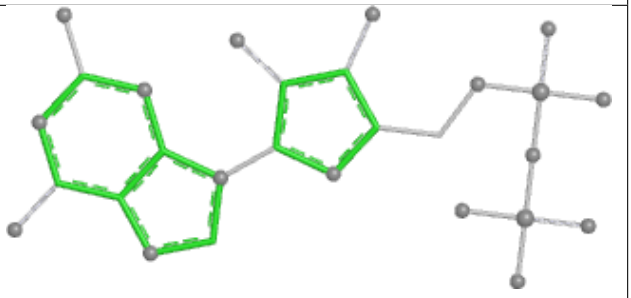
Bond lengths



Bond angles

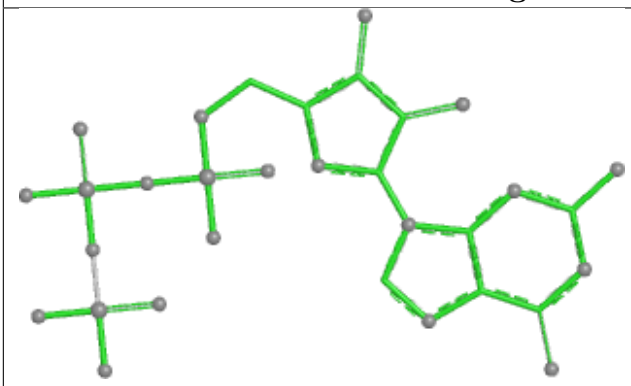


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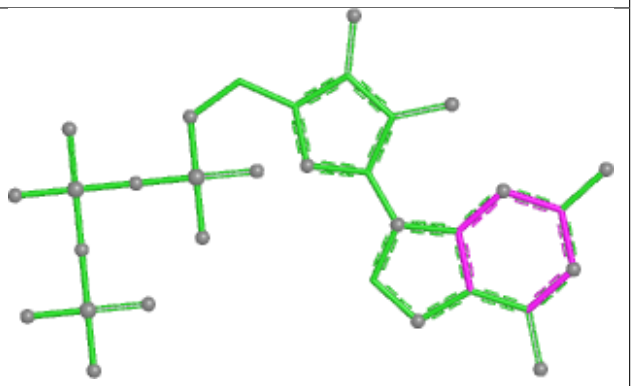


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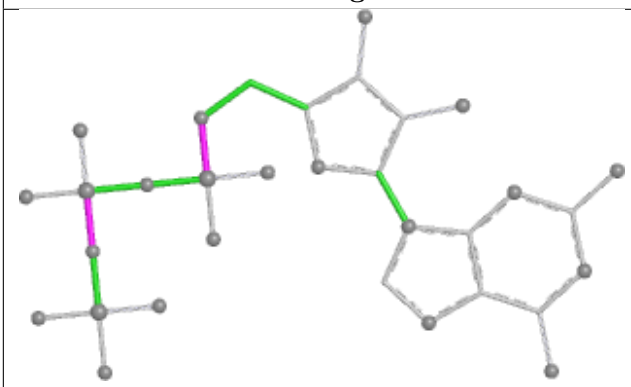
Ligand GTP TG 501



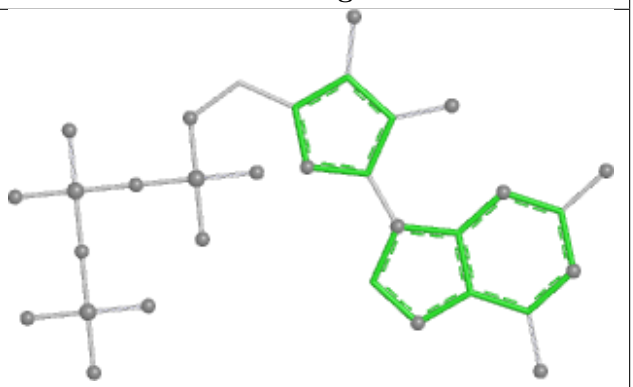
Bond lengths



Bond angles

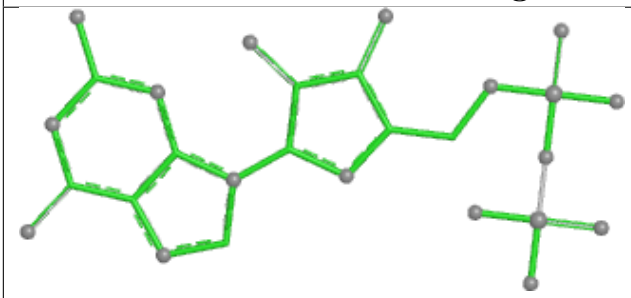


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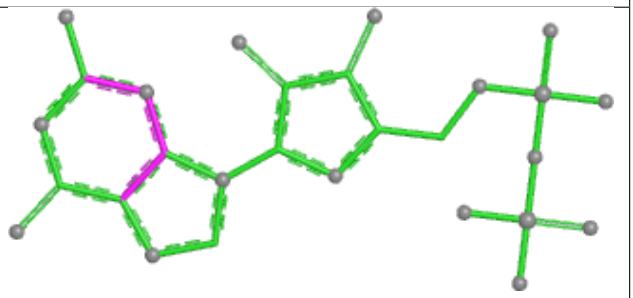


Rings

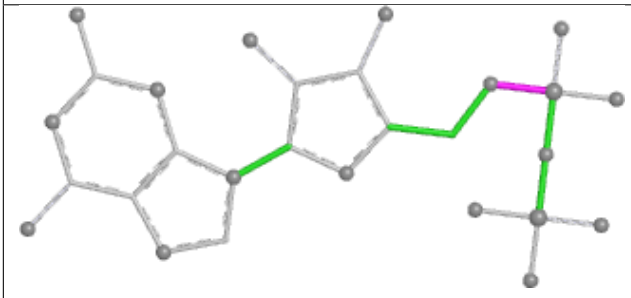
Ligand GDP FP 501



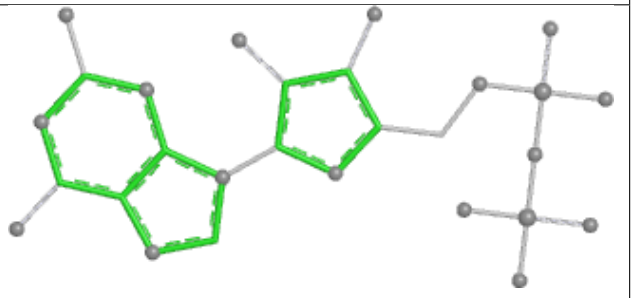
Bond lengths



Bond angles

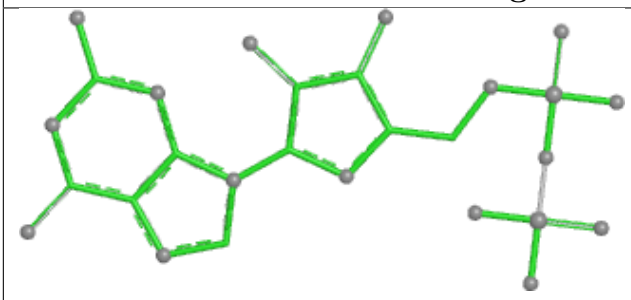


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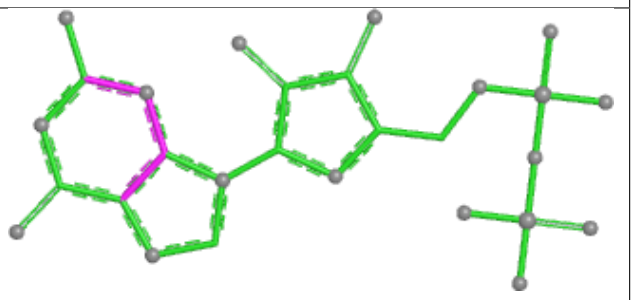


Rings

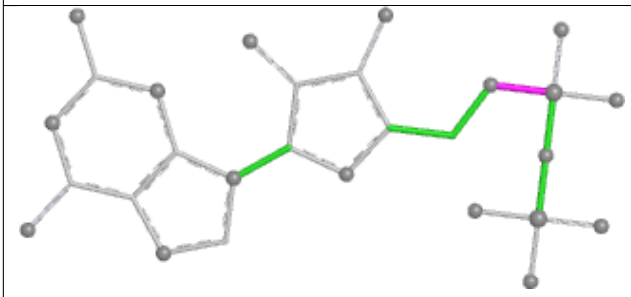
Ligand GDP FR 501



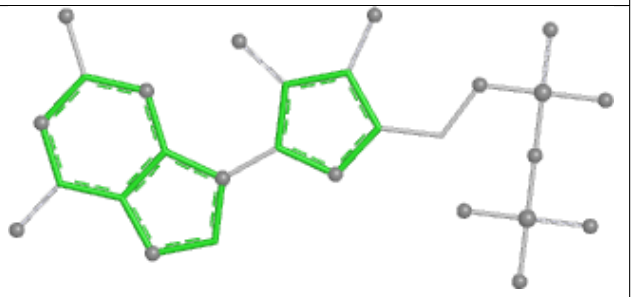
Bond lengths



Bond angles

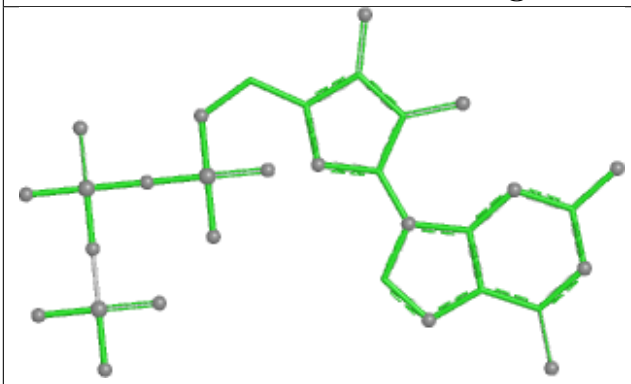


Torsions

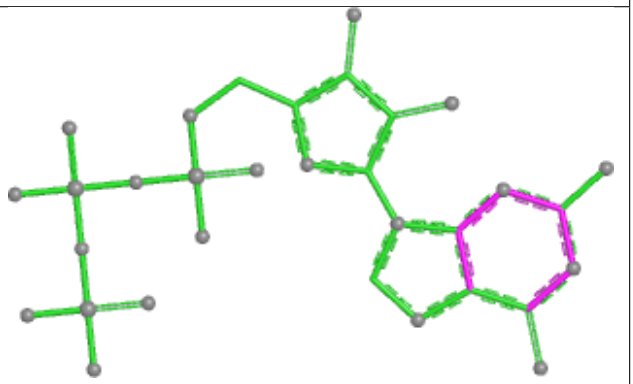


Rings

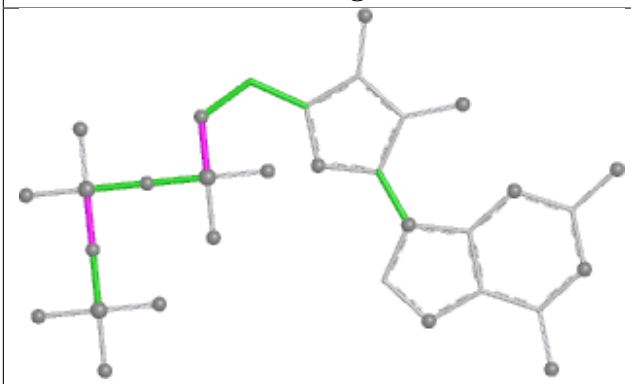
Ligand GTP VK 501



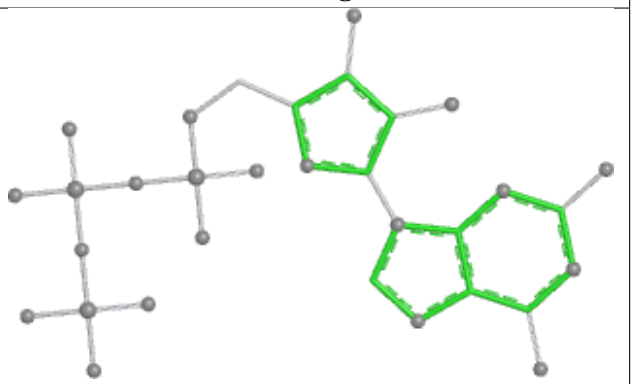
Bond lengths



Bond angles

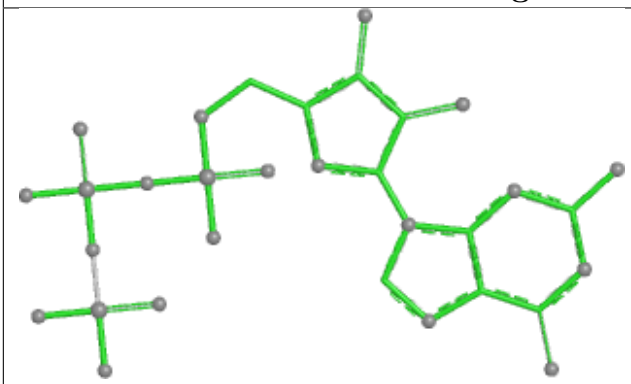


Torsions

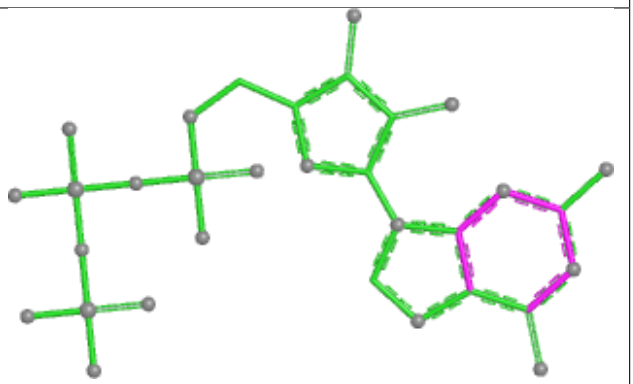


Rings

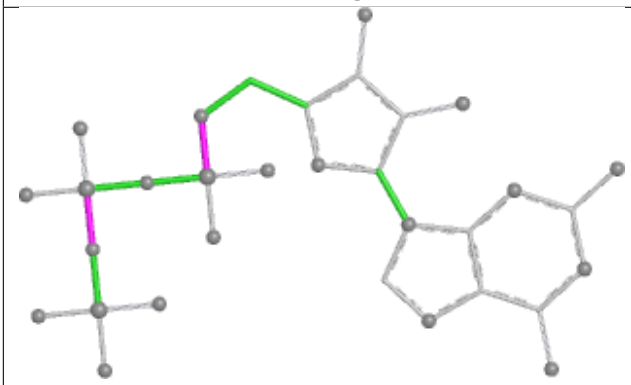
Ligand GTP SK 602



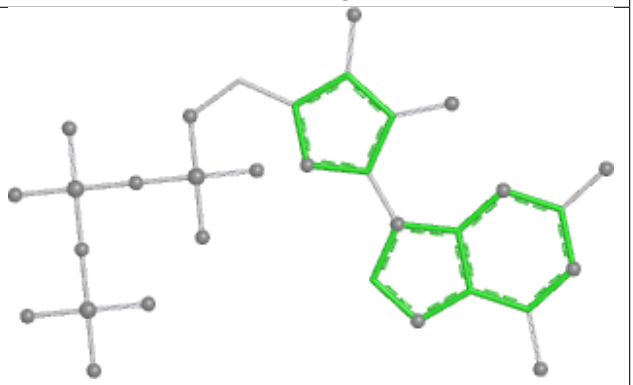
Bond lengths



Bond angles

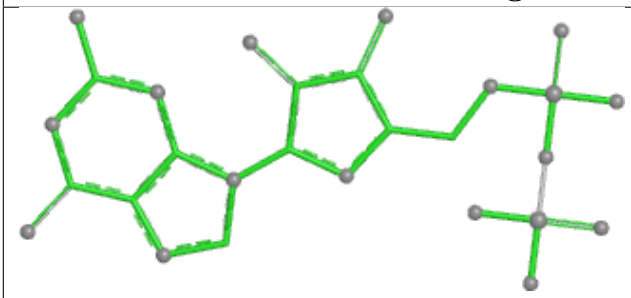


Torsions

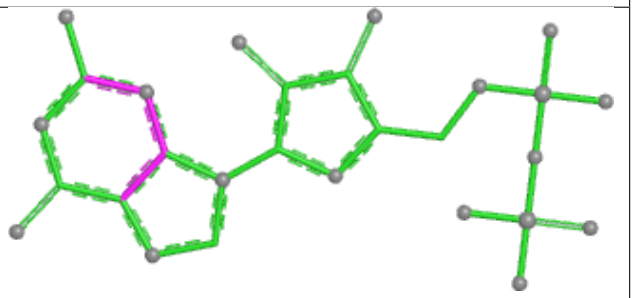


Rings

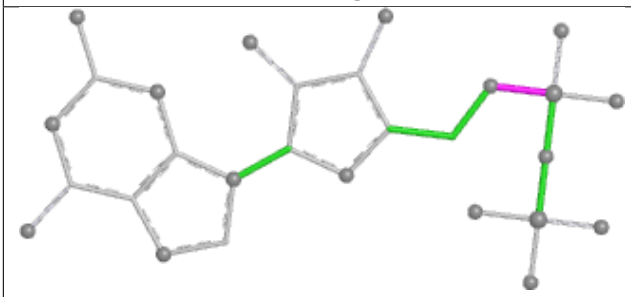
Ligand GDP HH 501



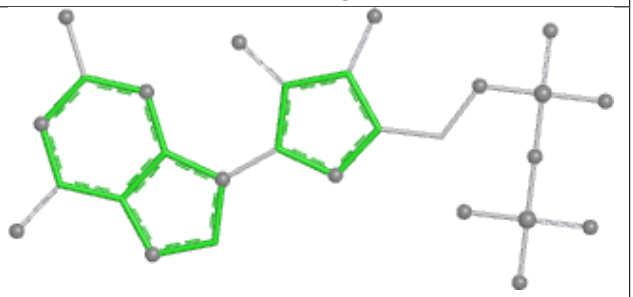
Bond lengths



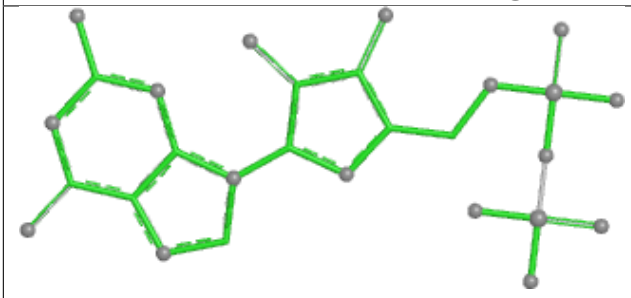
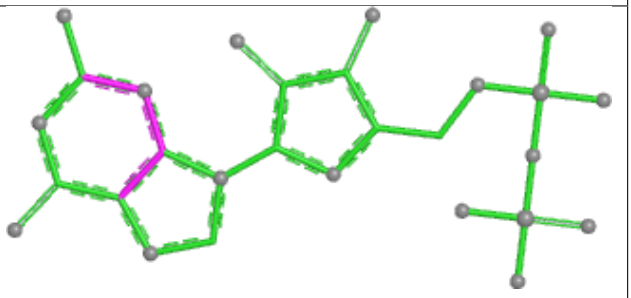
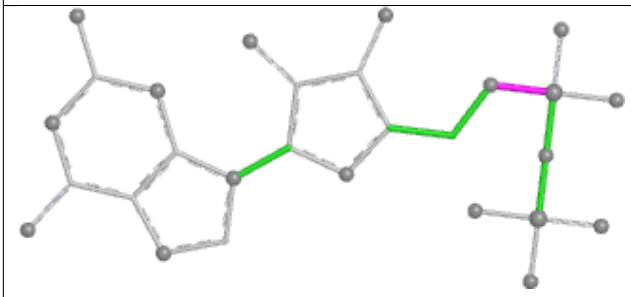
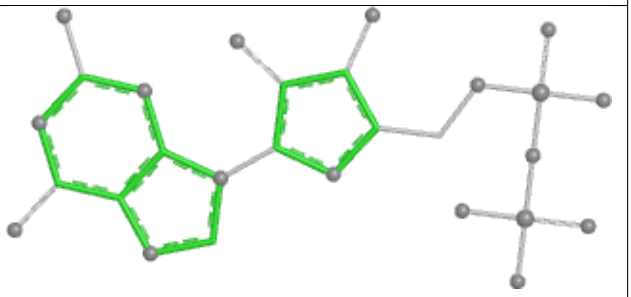
Bond angles

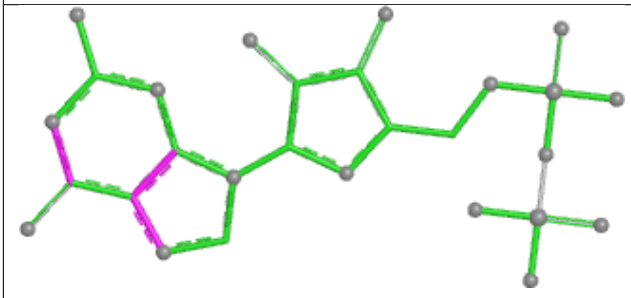
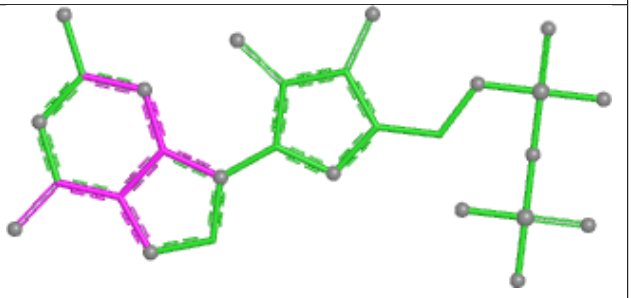
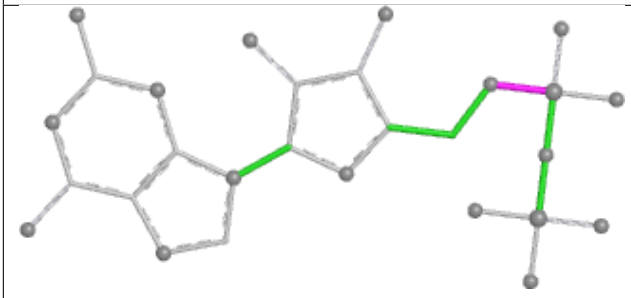
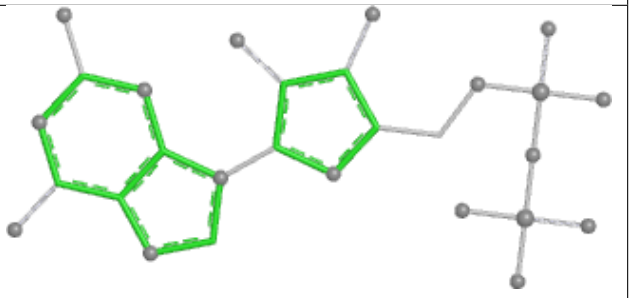


Torsions

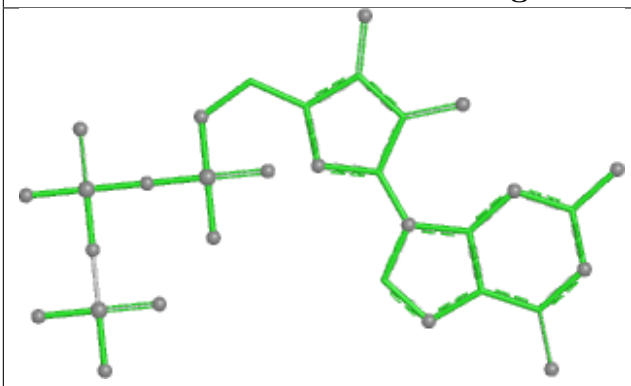


Rings

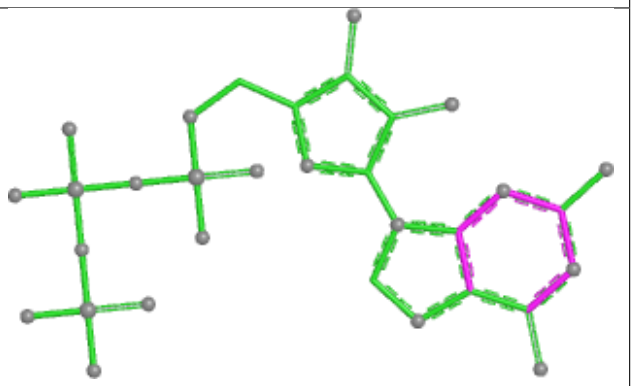
Ligand GDP DG 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP WF 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

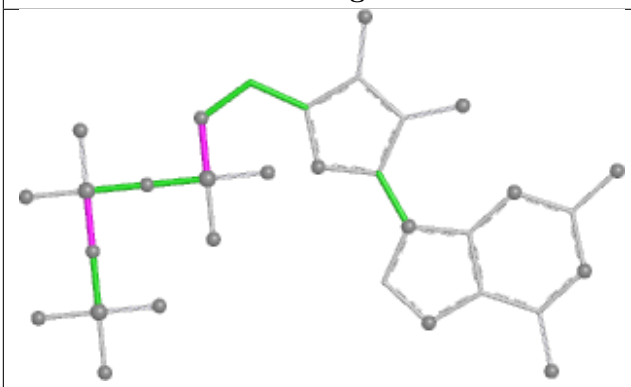
Ligand GTP VA 501



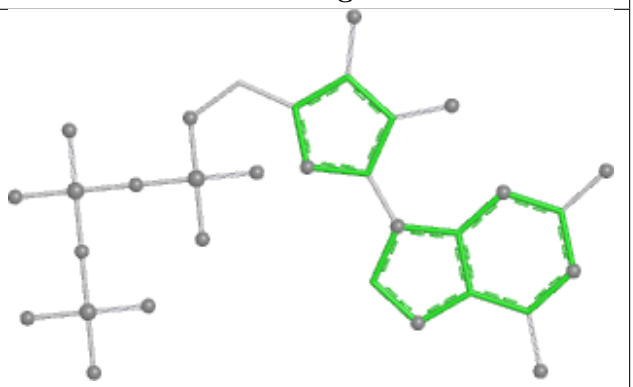
Bond lengths



Bond angles

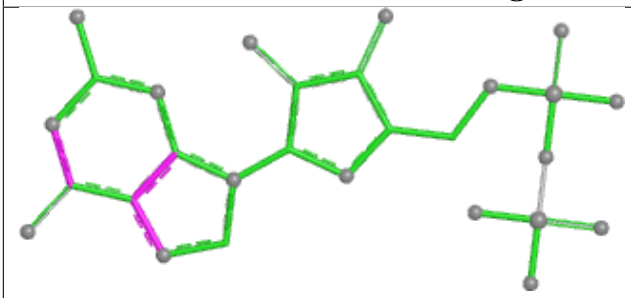


Torsions

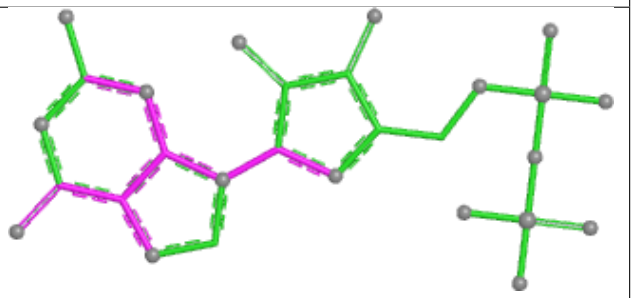


Rings

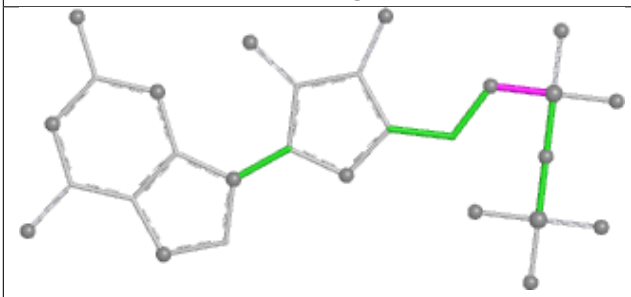
Ligand GDP BU 501



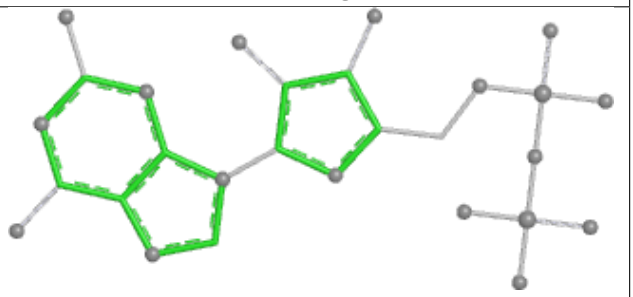
Bond lengths



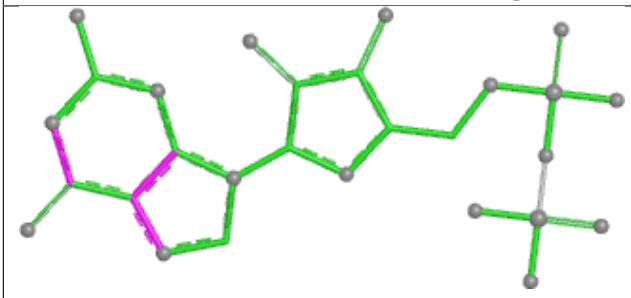
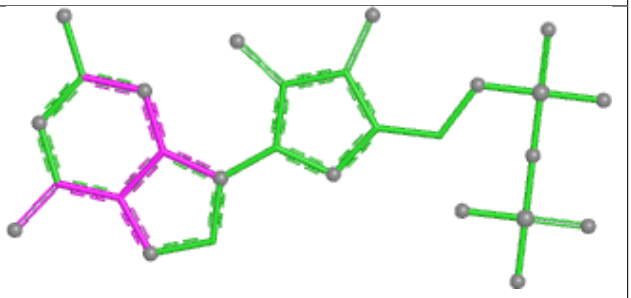
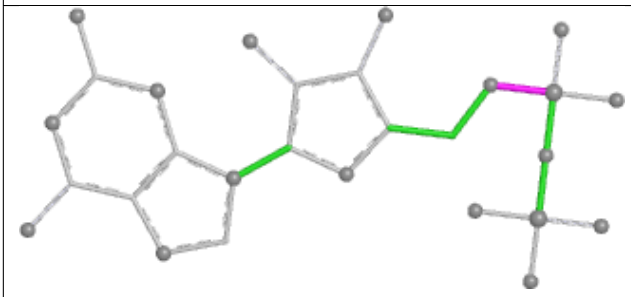
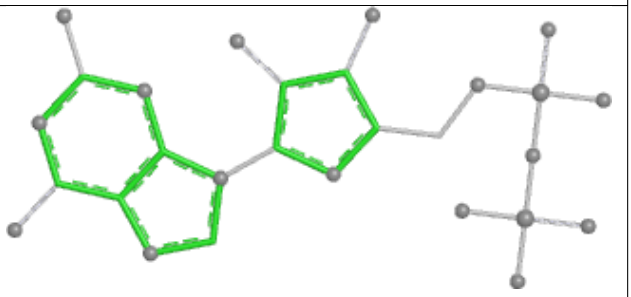
Bond angles

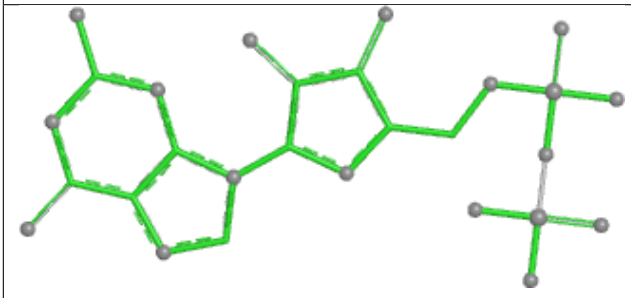
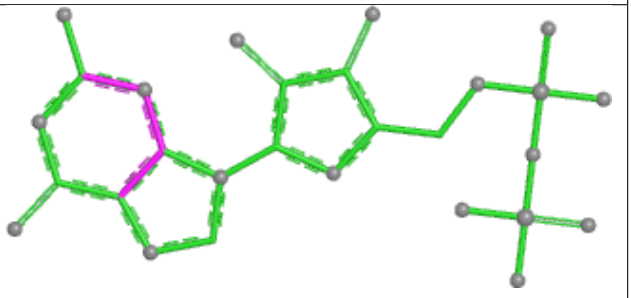
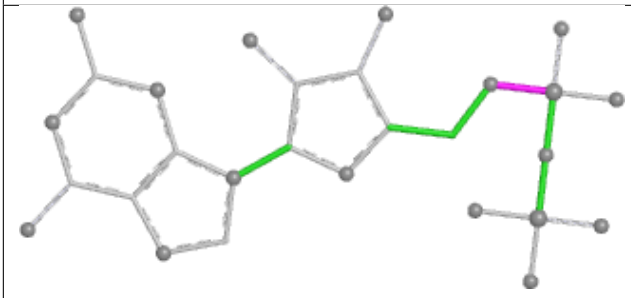
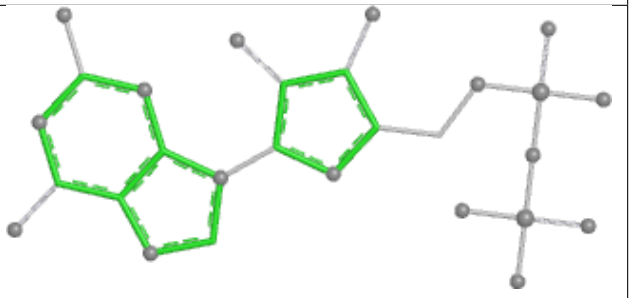


Torsions

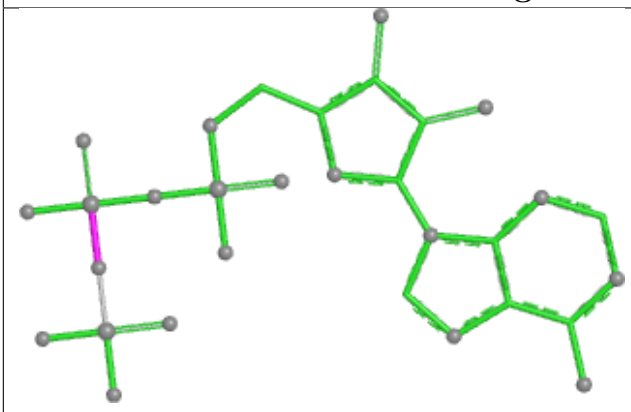


Rings

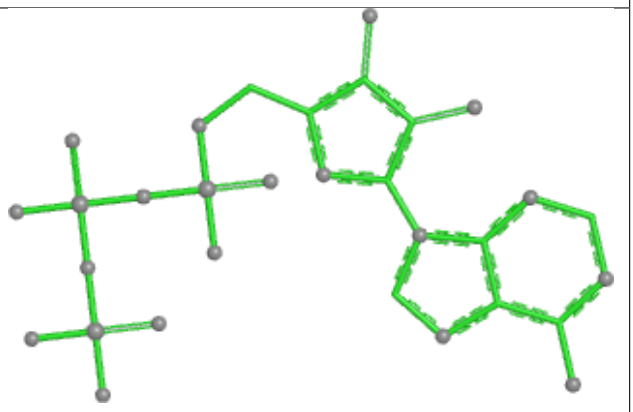
Ligand GDP CU 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP UQ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

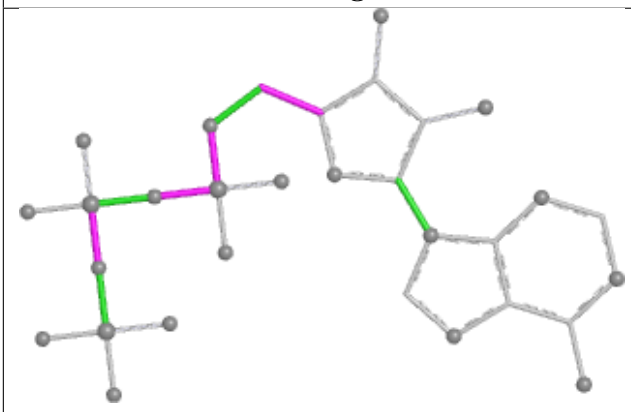
Ligand ATP 8f 4704



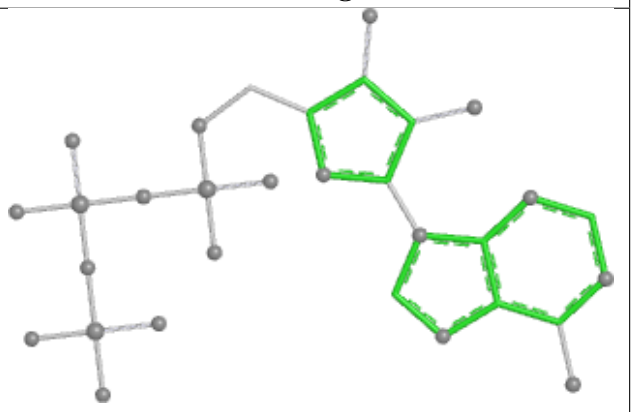
Bond lengths



Bond angles

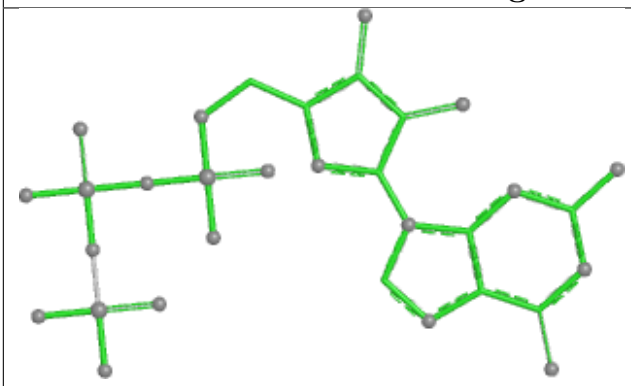


Torsions

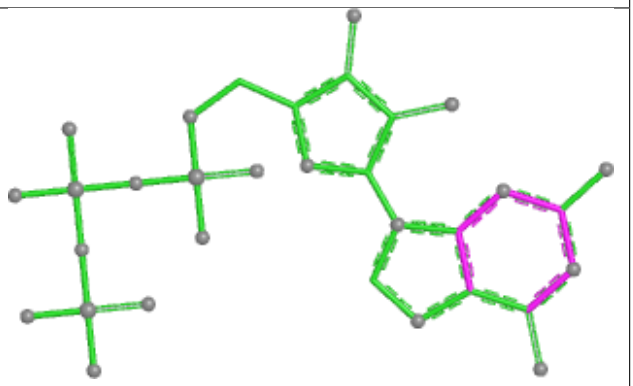


Rings

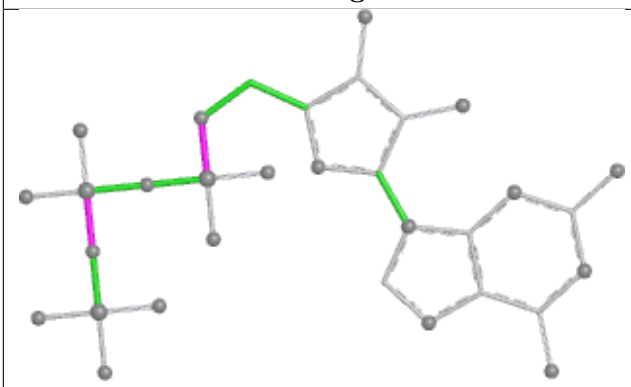
Ligand GTP OR 602



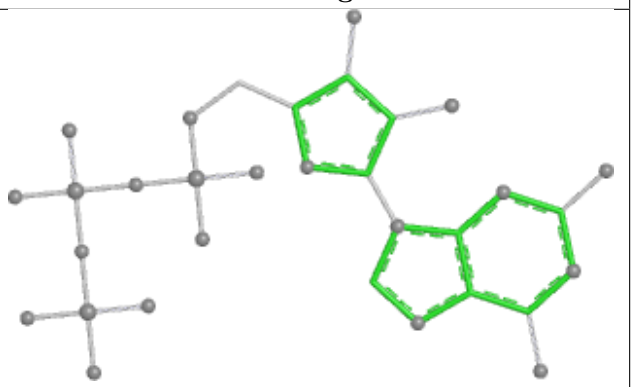
Bond lengths



Bond angles

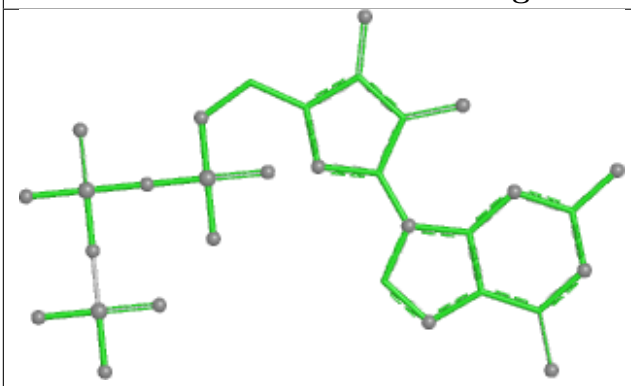


Torsions

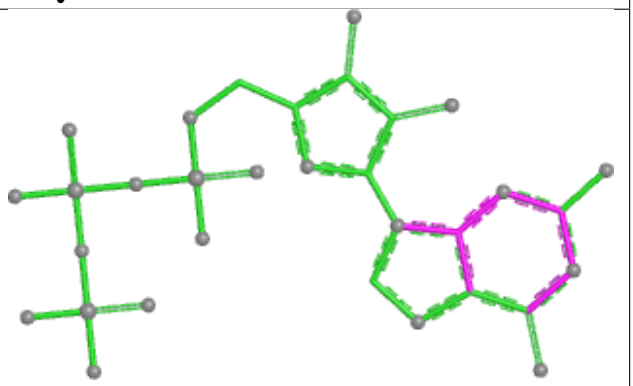


Rings

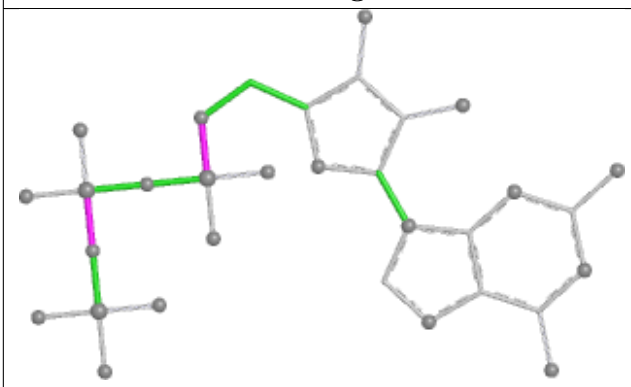
Ligand GTP QS 501



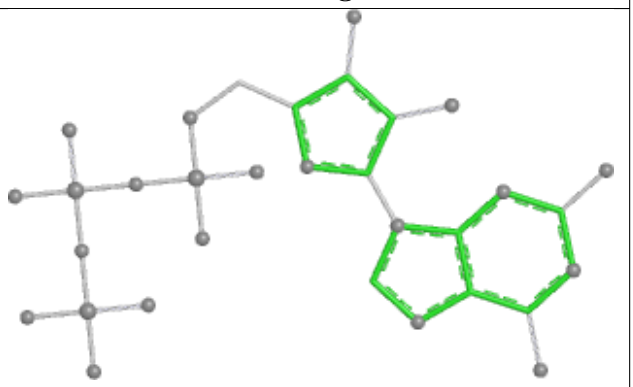
Bond lengths



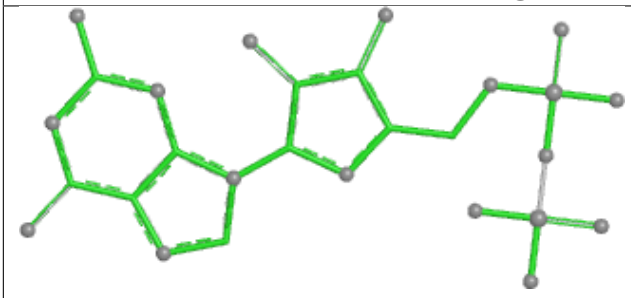
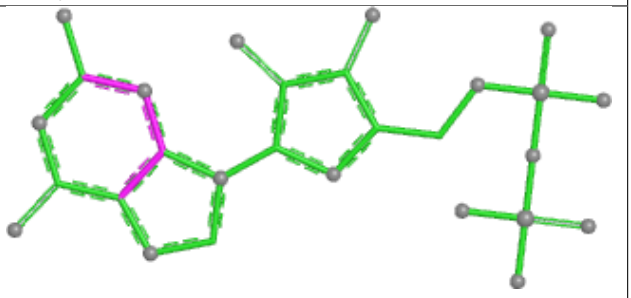
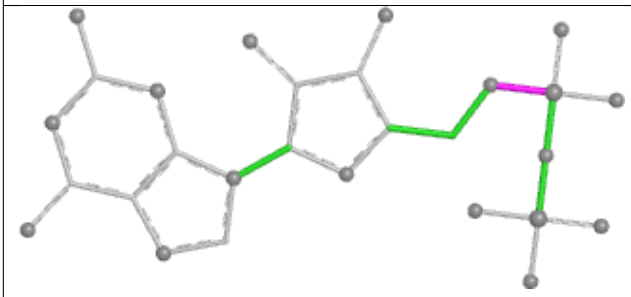
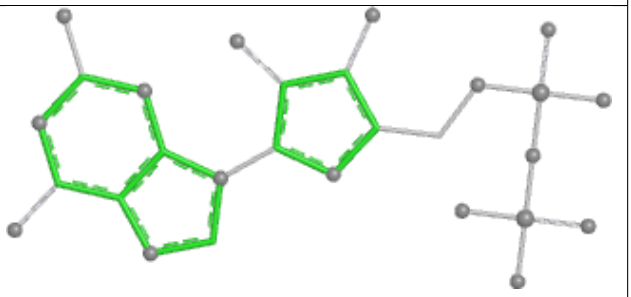
Bond angles

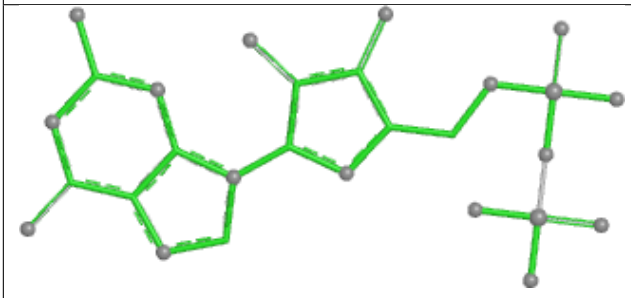
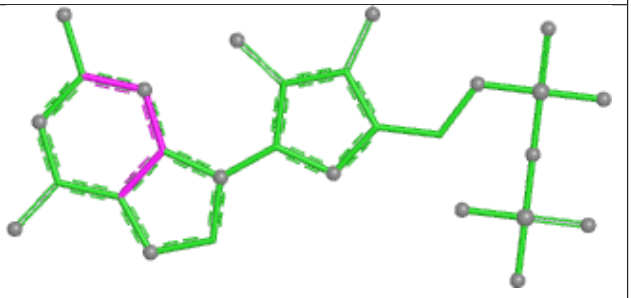
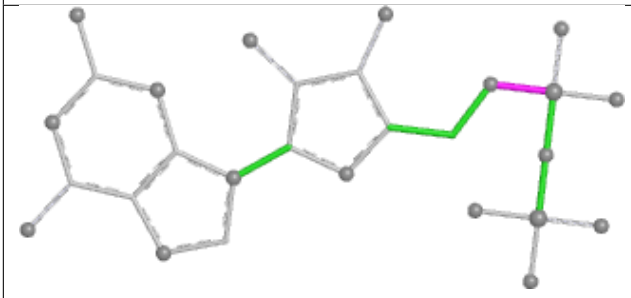
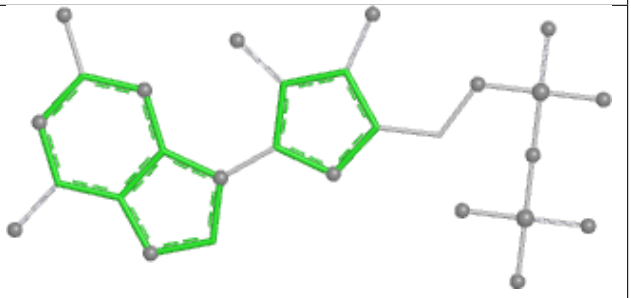


Torsions

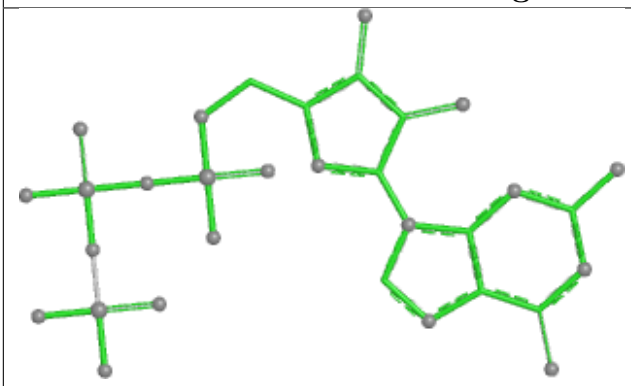


Rings

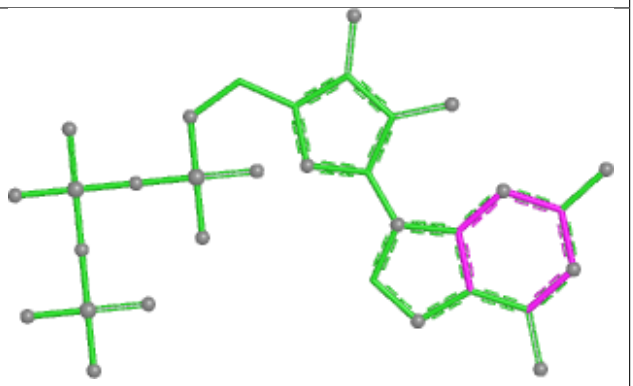
Ligand GDP QJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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 Bond lengths	 Bond angles
 Torsions	 Rings

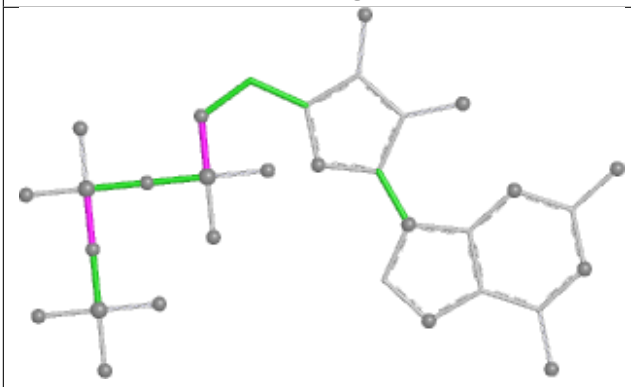
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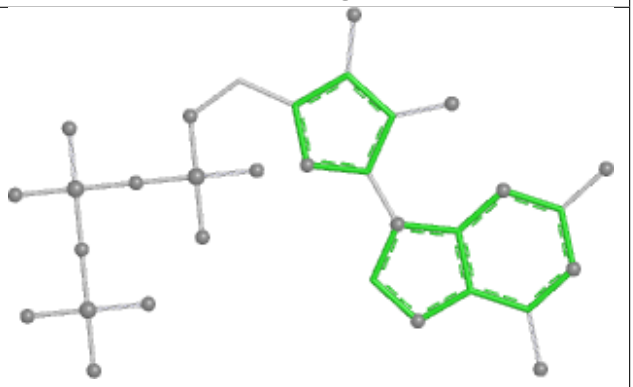
Bond lengths



Bond angles

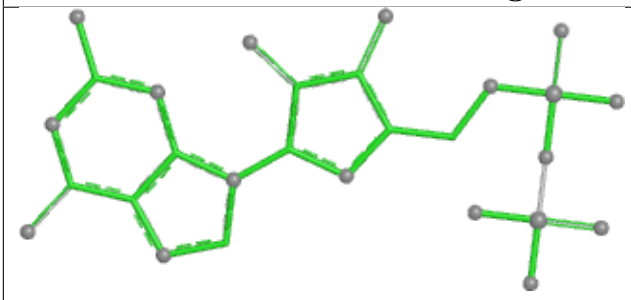


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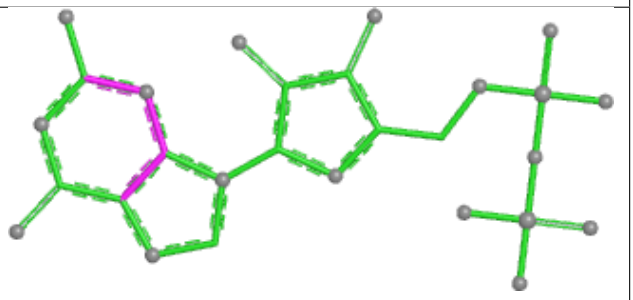


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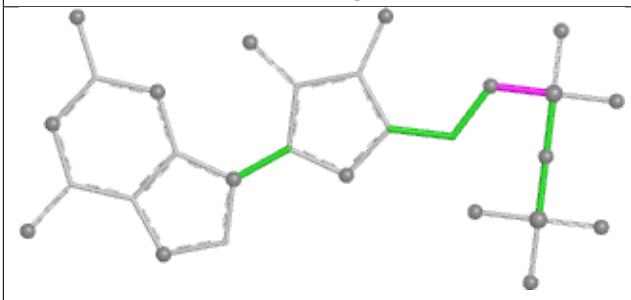
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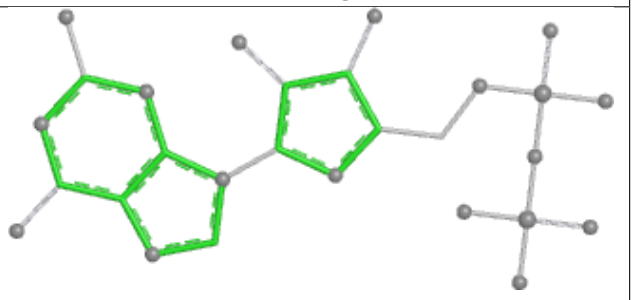
Bond lengths



Bond angles

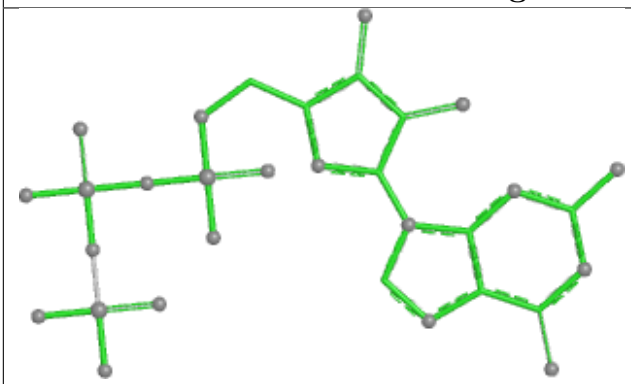


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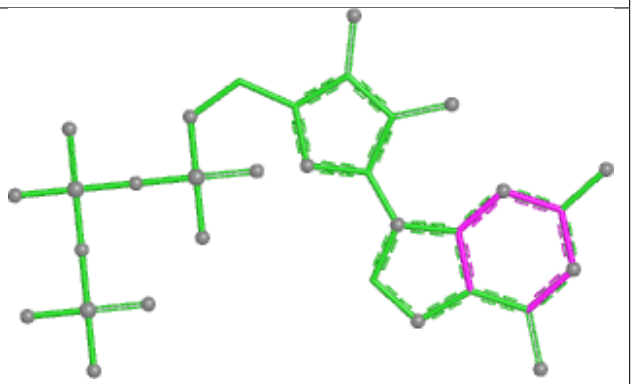


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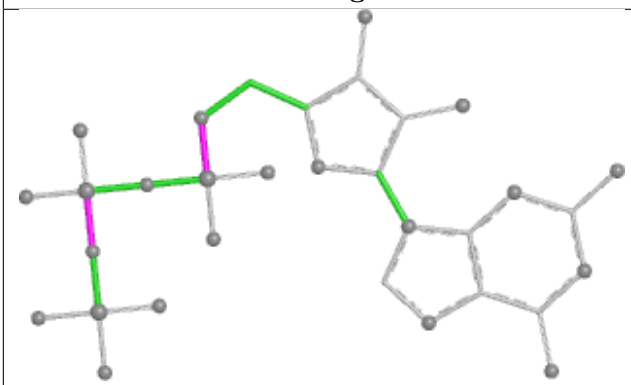
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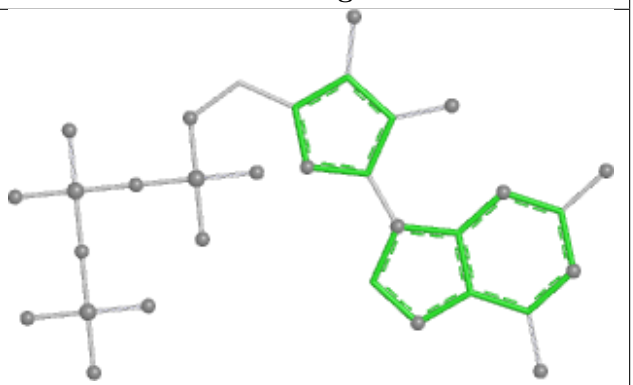
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Bond angles

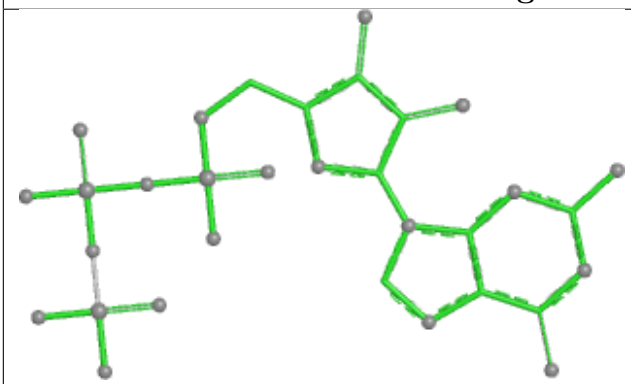


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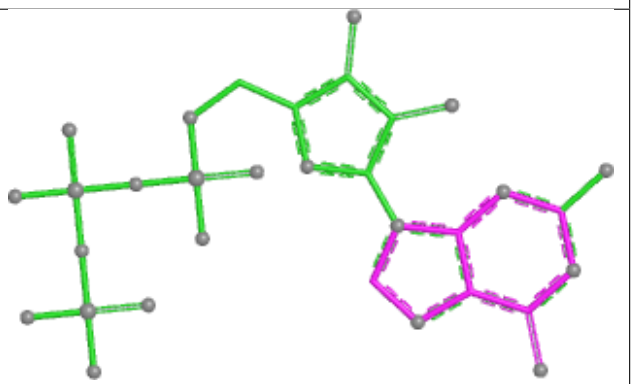


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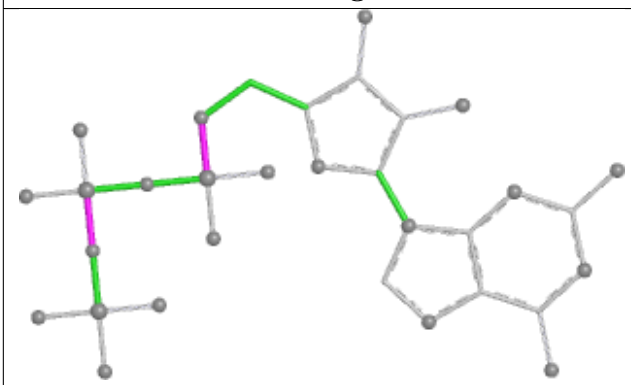
Ligand GTP JJ 501



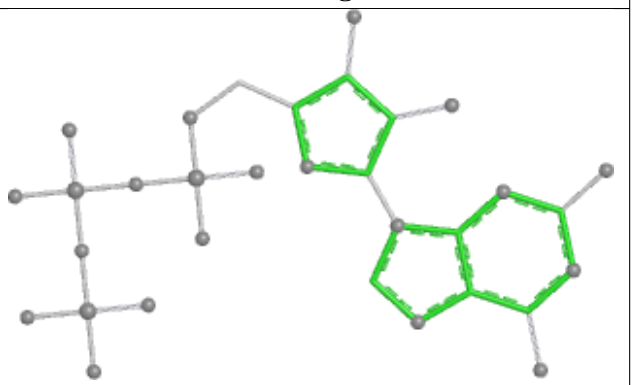
Bond lengths



Bond angles

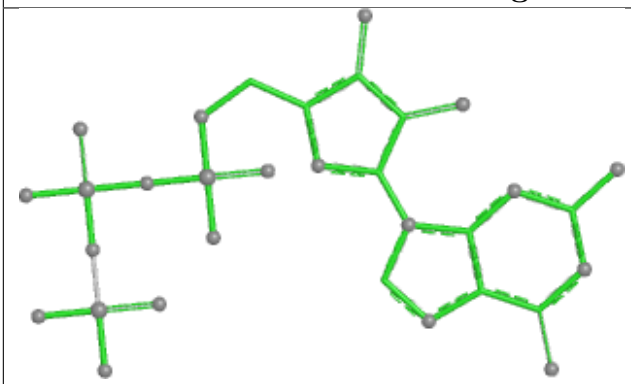


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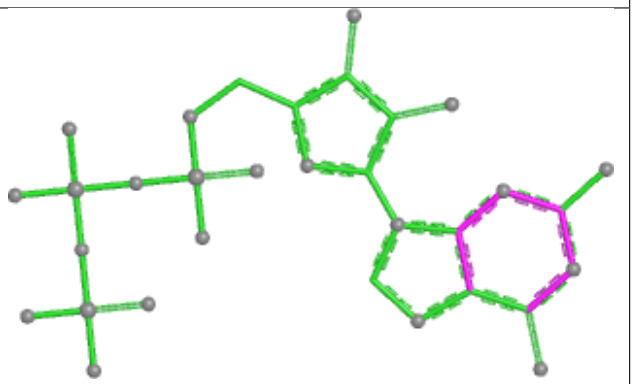


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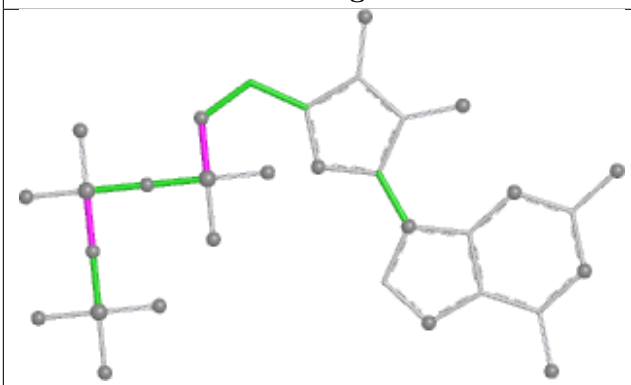
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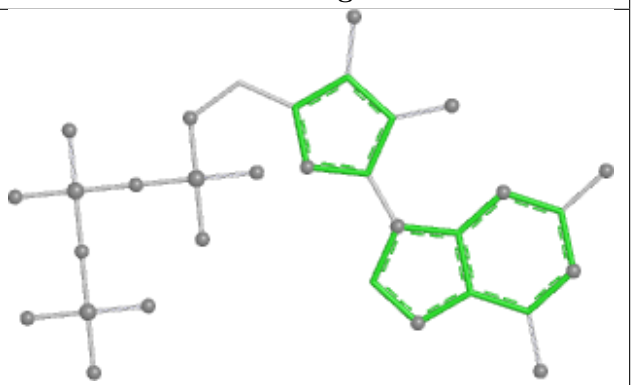
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Bond angles

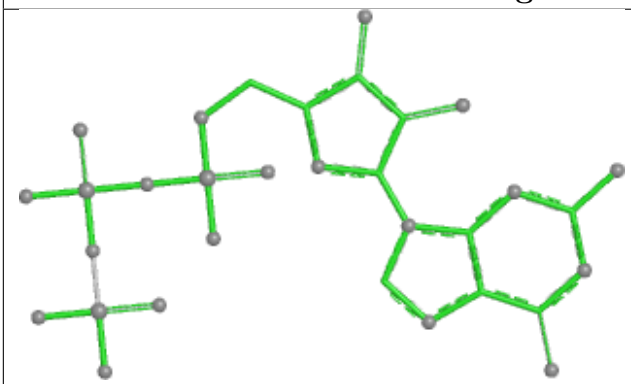


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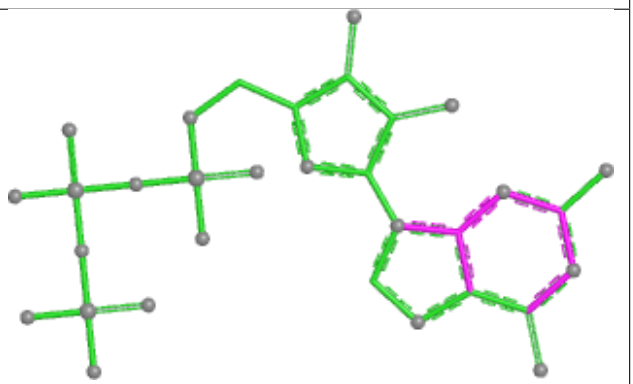


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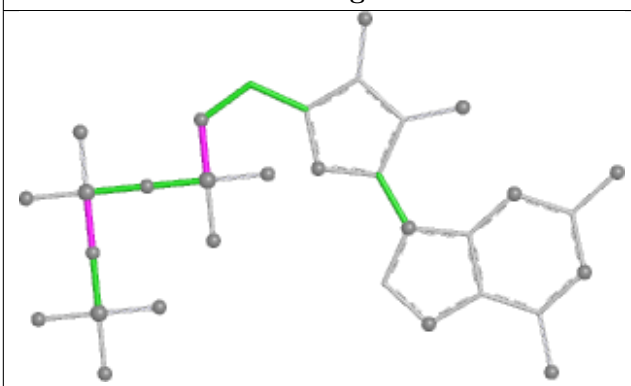
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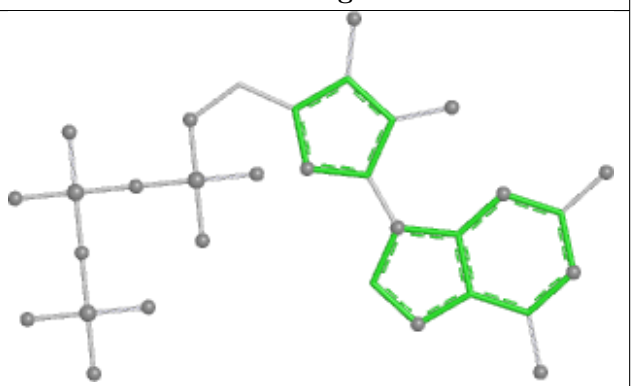
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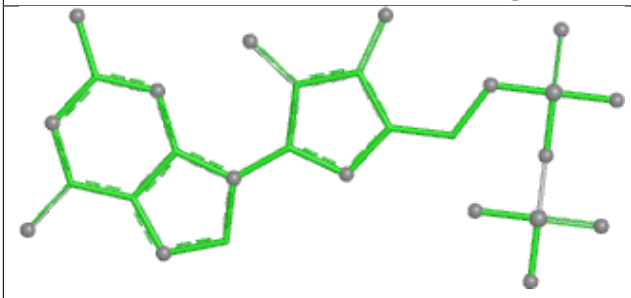


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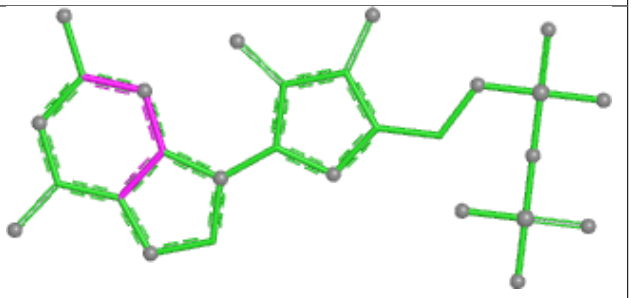


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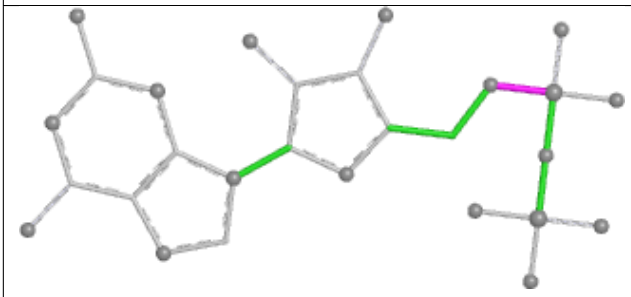
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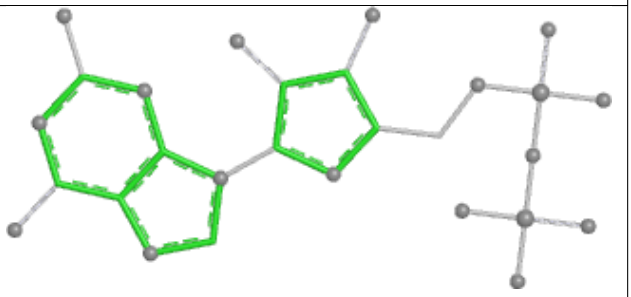
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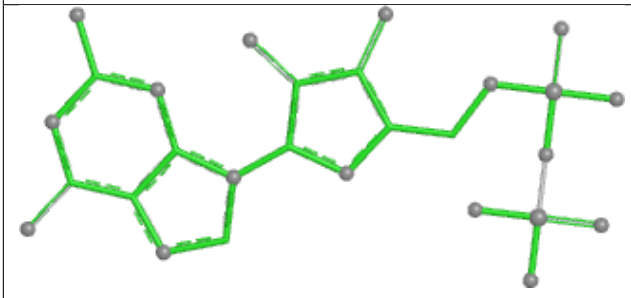


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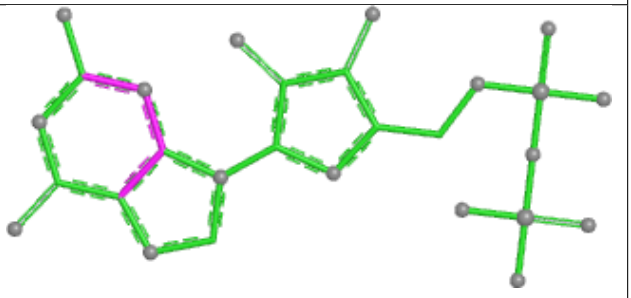


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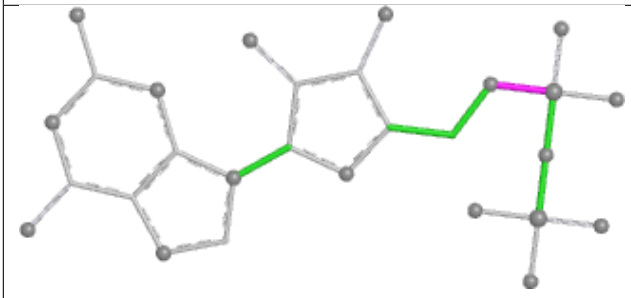
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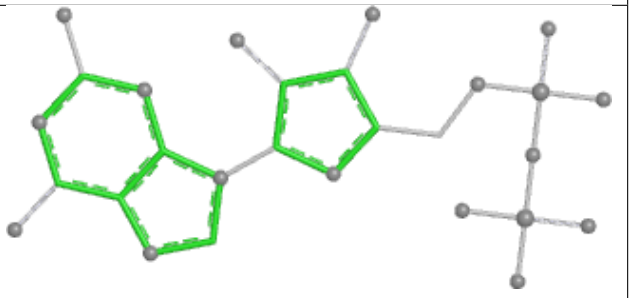
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Bond angles

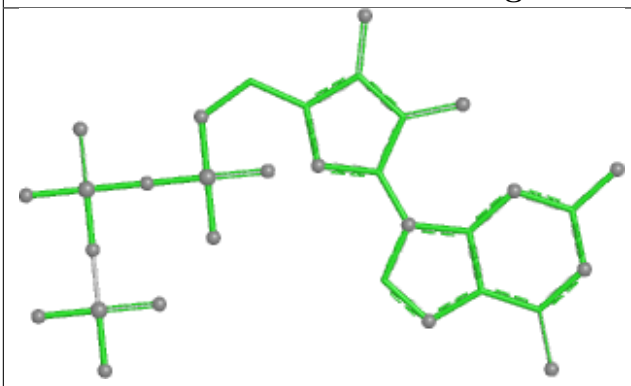


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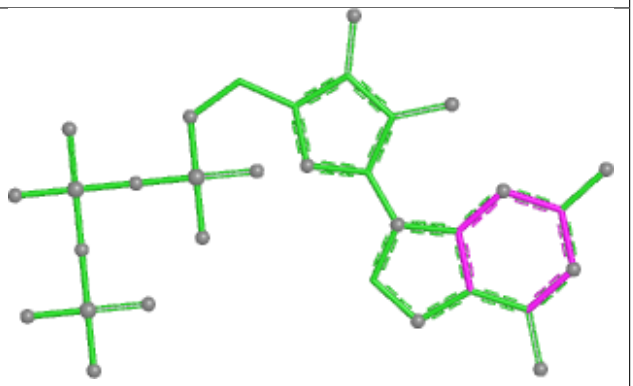


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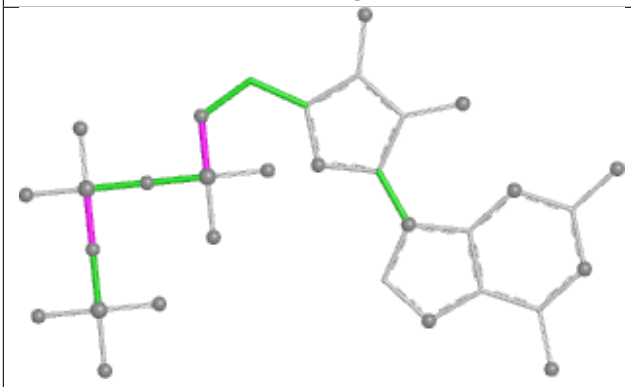
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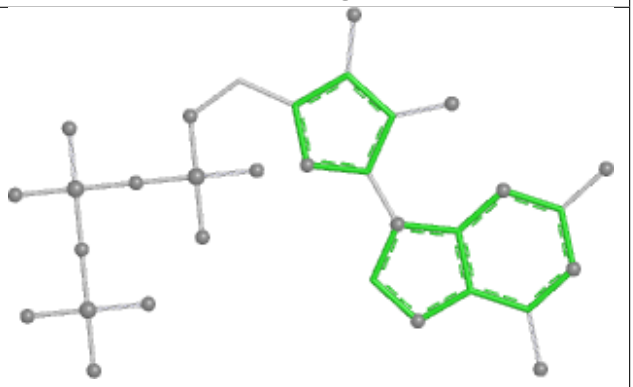
Bond lengths



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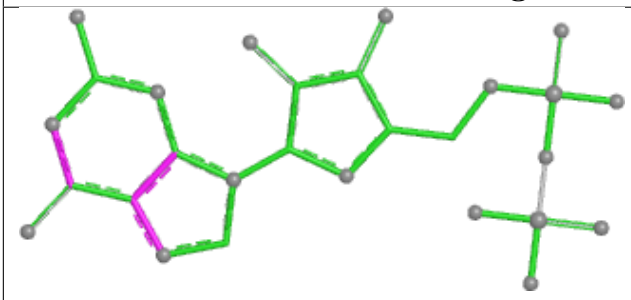


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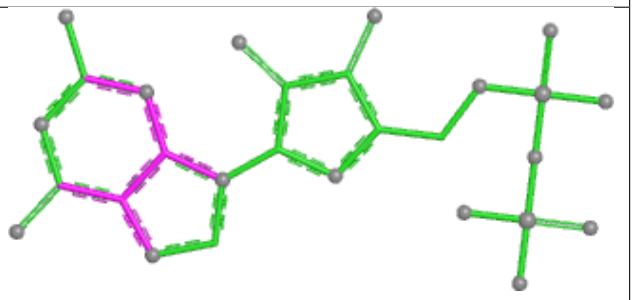


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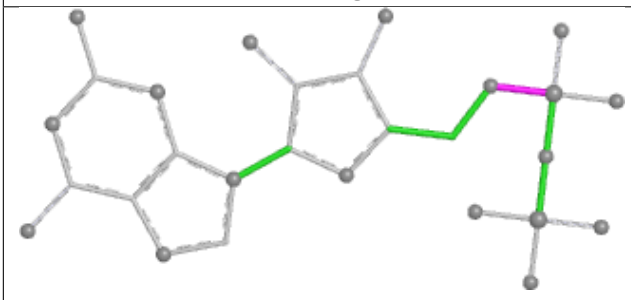
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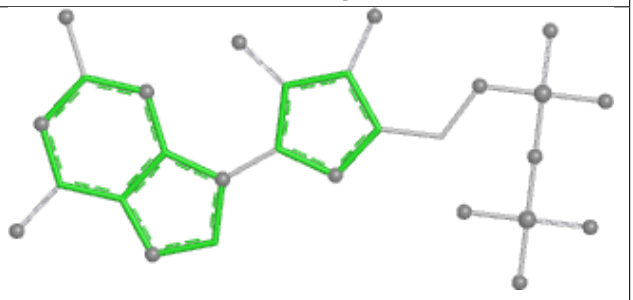
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Bond angles

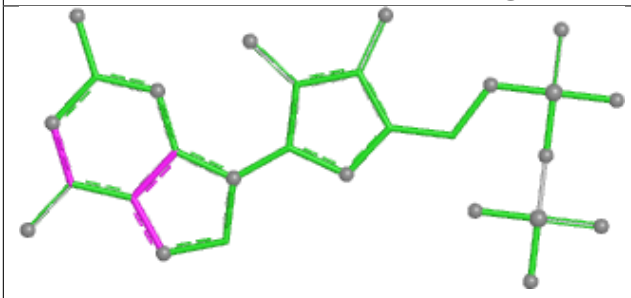


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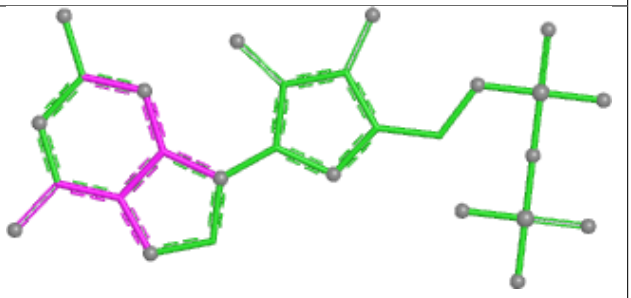


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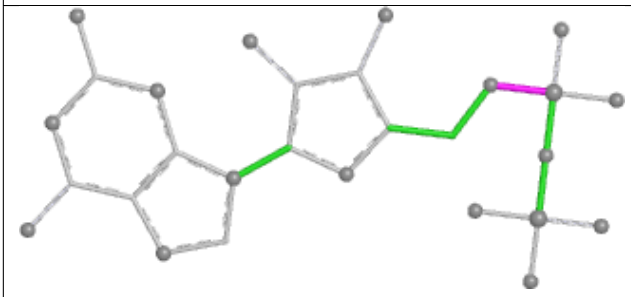
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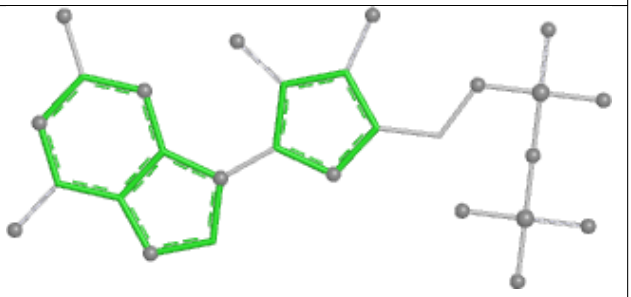
Bond lengths



Bond angles

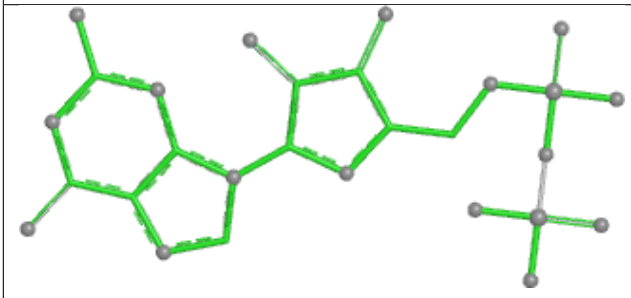


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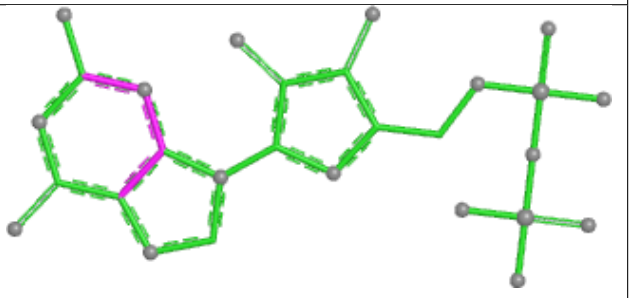


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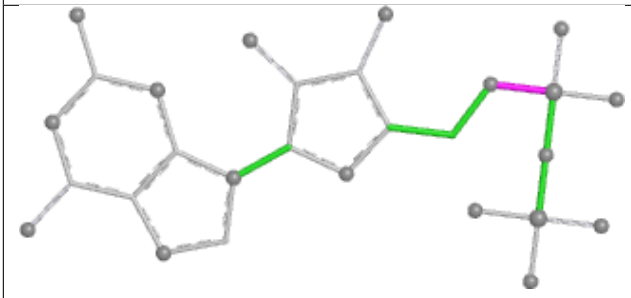
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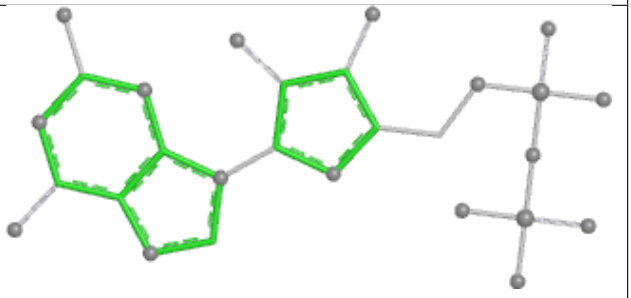
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Bond angles

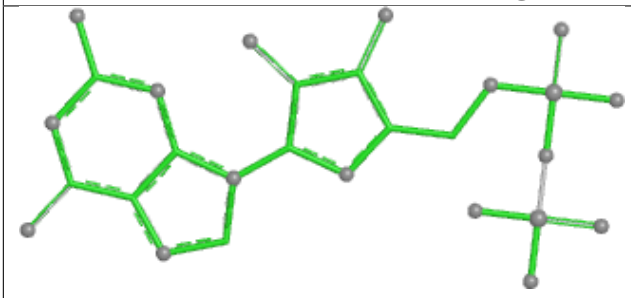


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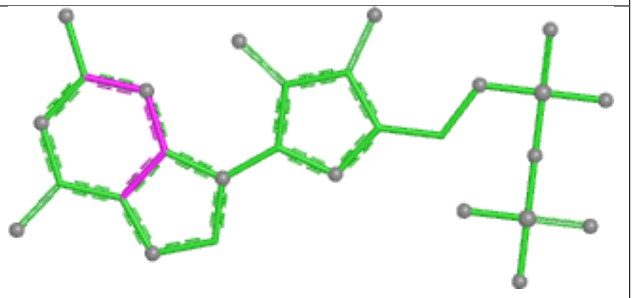


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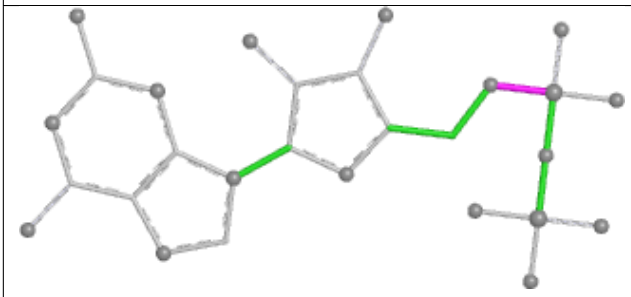
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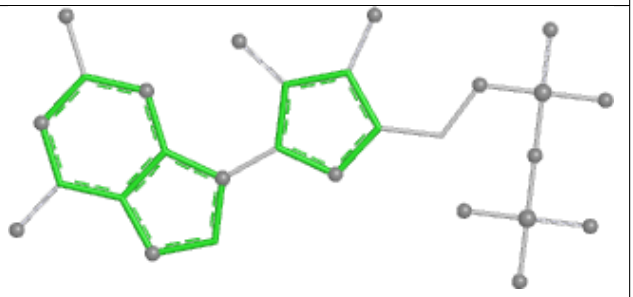
Bond lengths



Bond angles

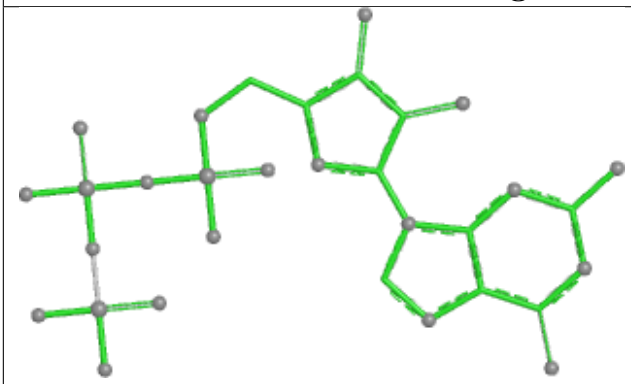


Torsions

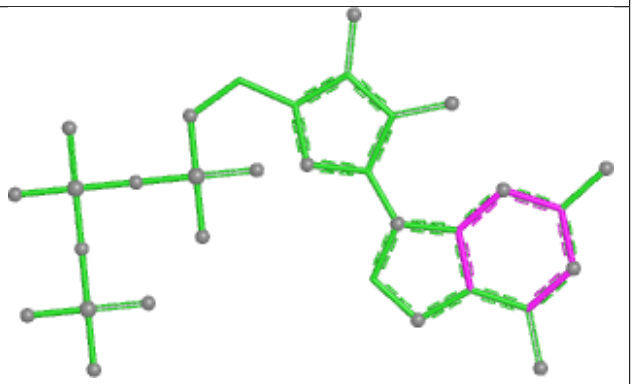


Rings

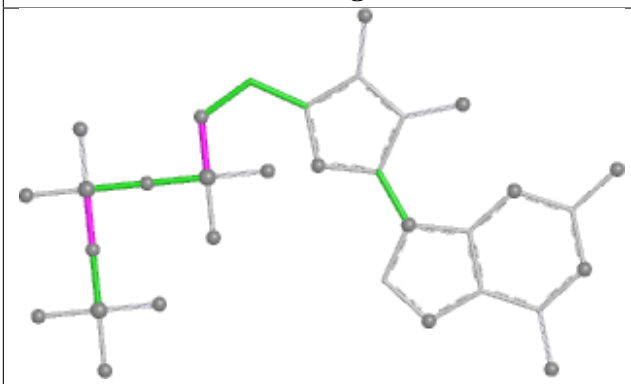
Ligand GTP YT 602



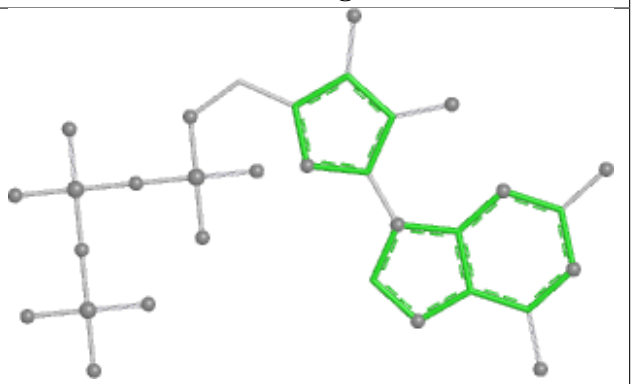
Bond lengths



Bond angles

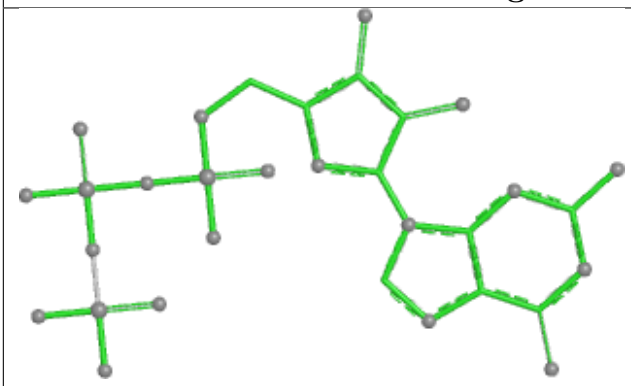


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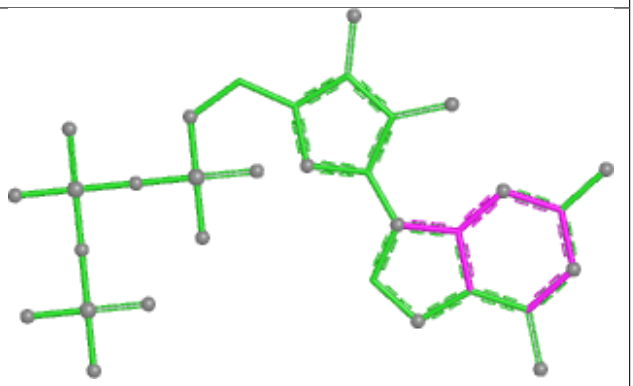


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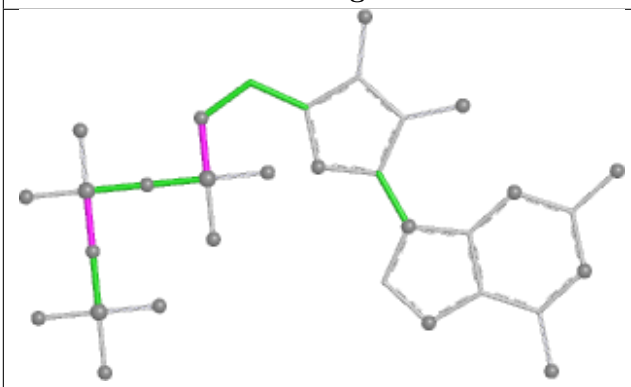
Ligand GTP GG 501



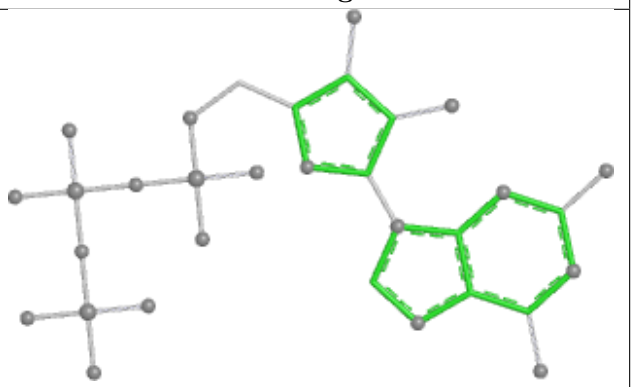
Bond lengths



Bond angles

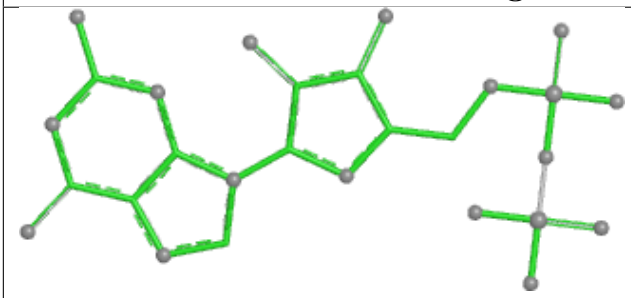


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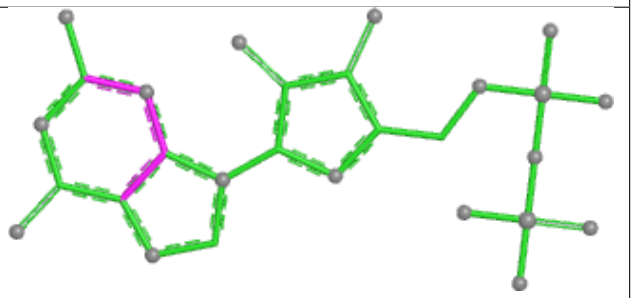


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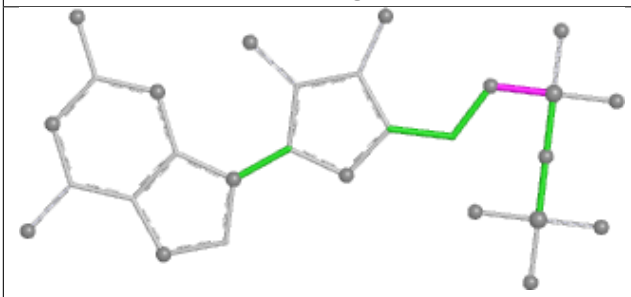
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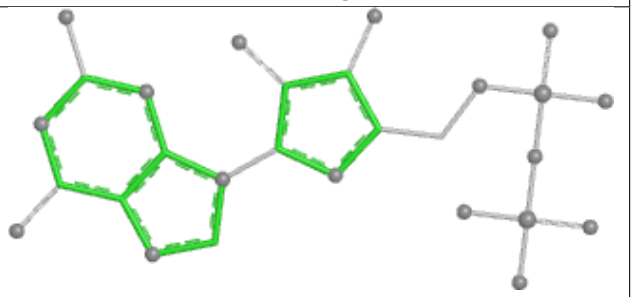
Bond lengths



Bond angles

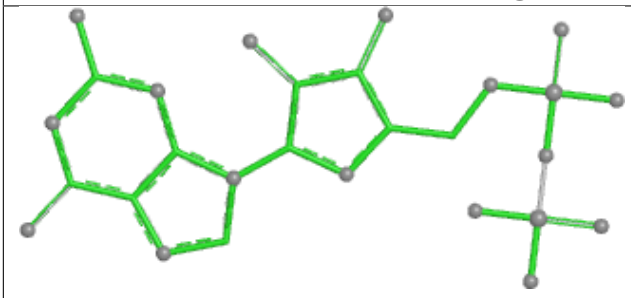


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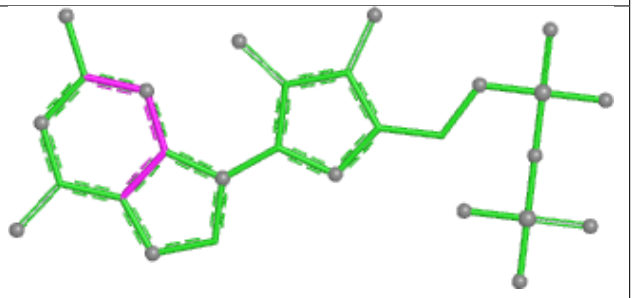


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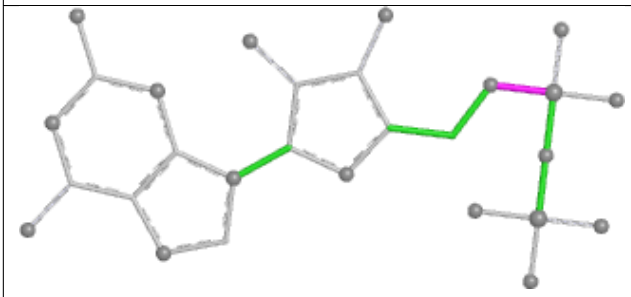
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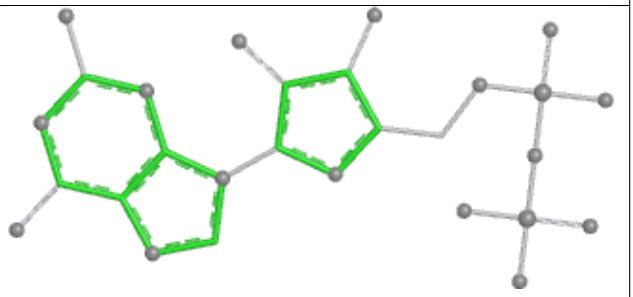
Bond lengths



Bond angles

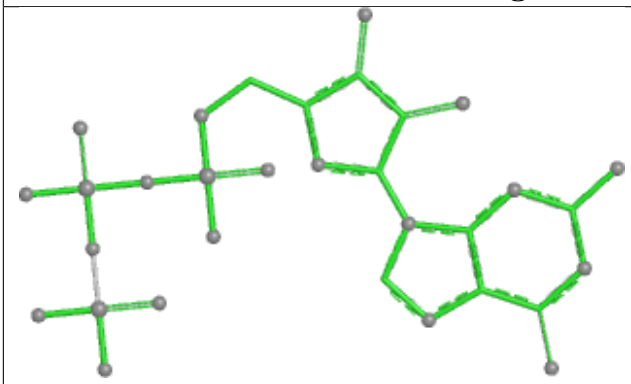


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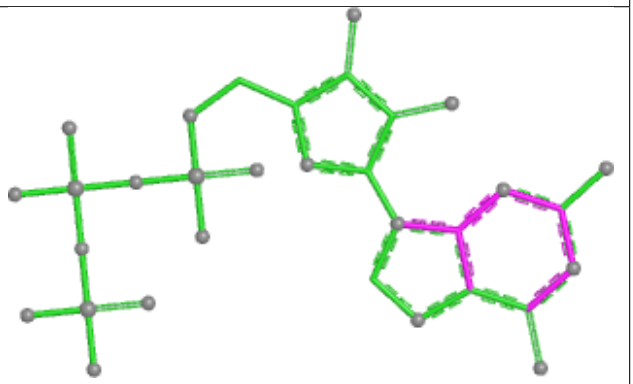


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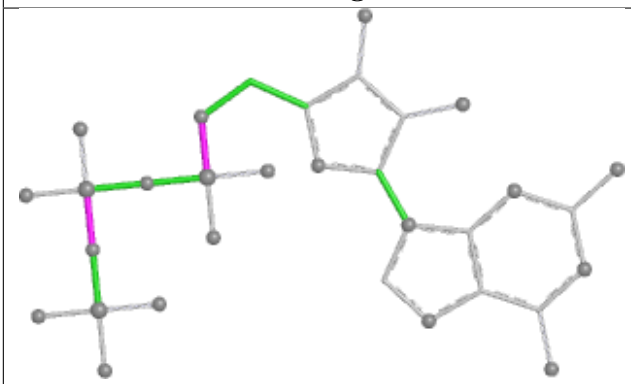
Ligand GTP KP 602



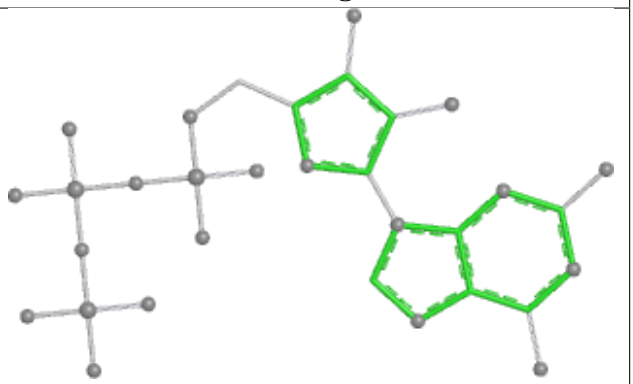
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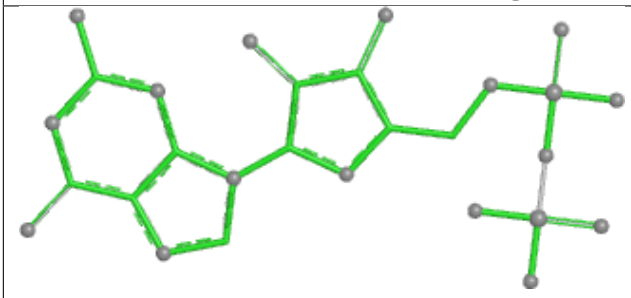


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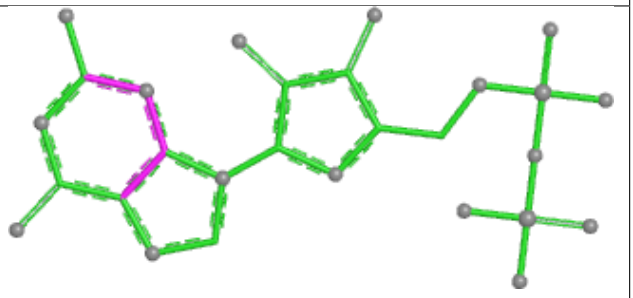


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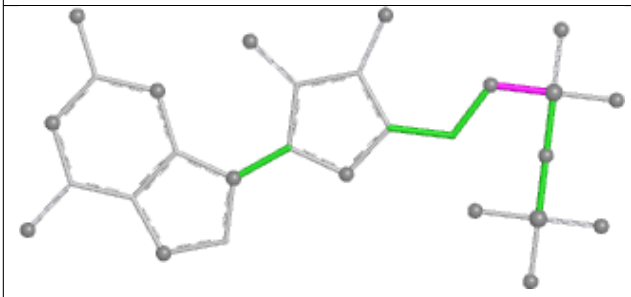
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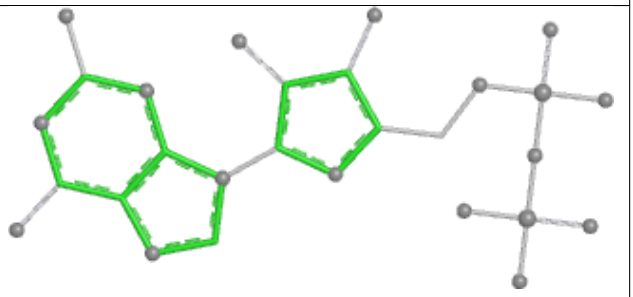
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Bond angles

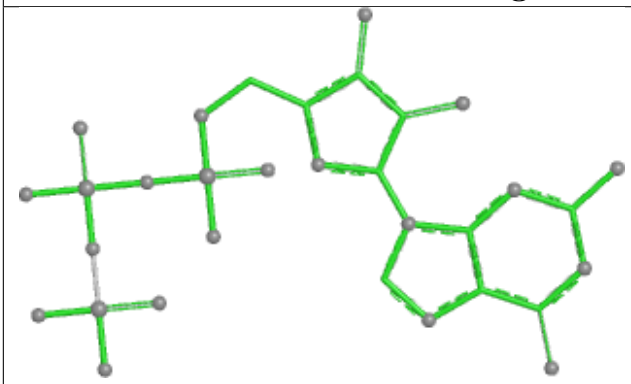


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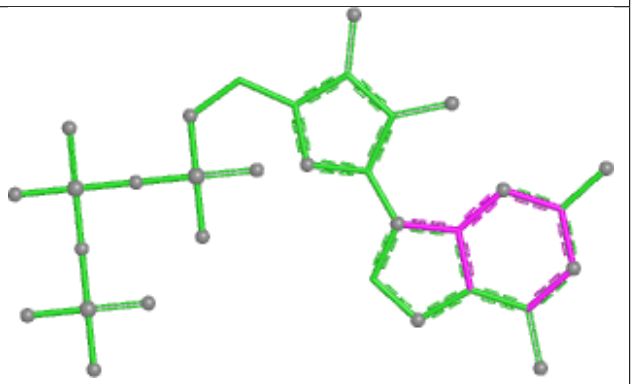


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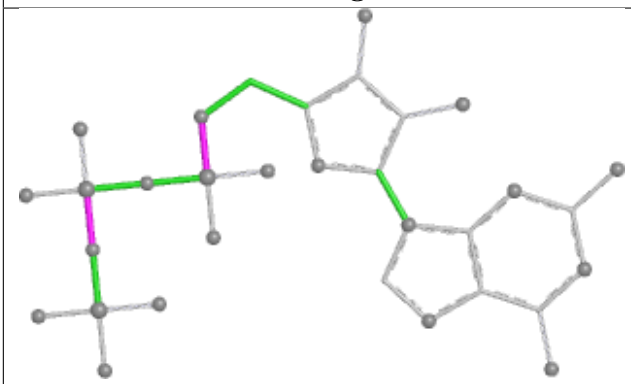
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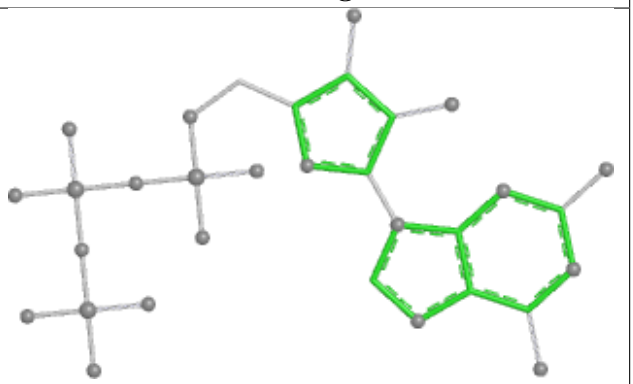
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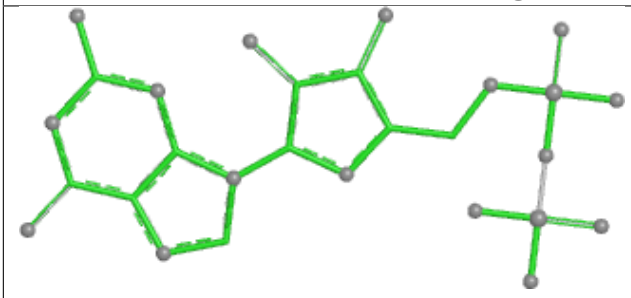


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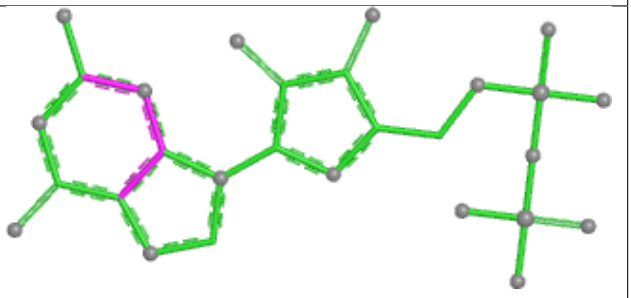


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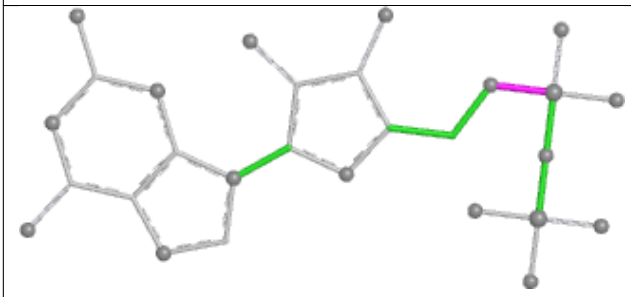
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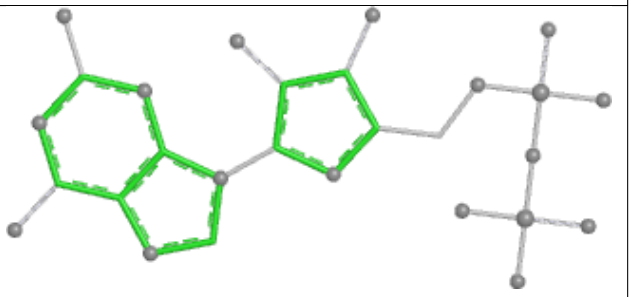
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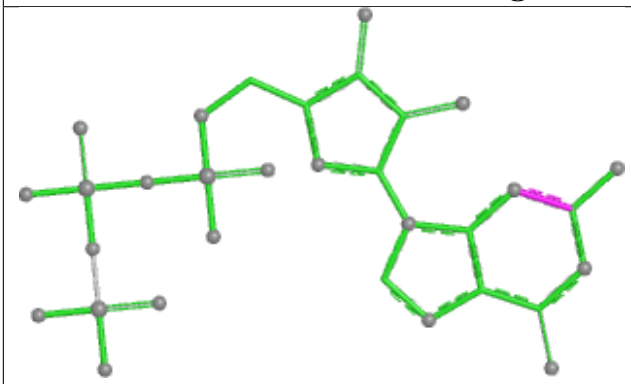


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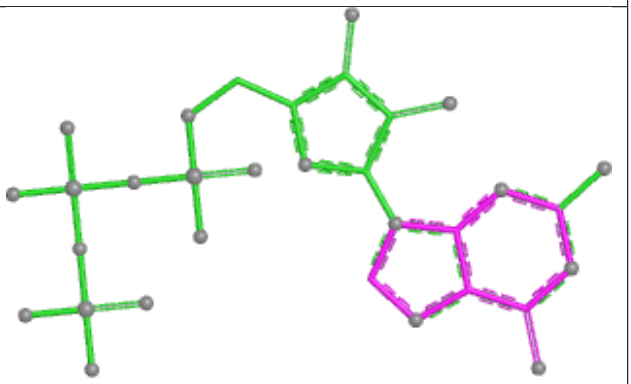


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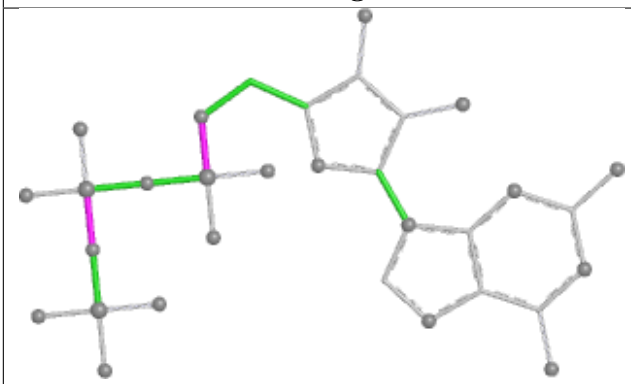
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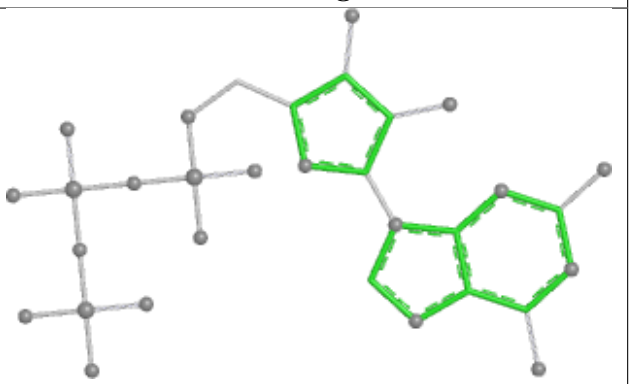
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Bond angles

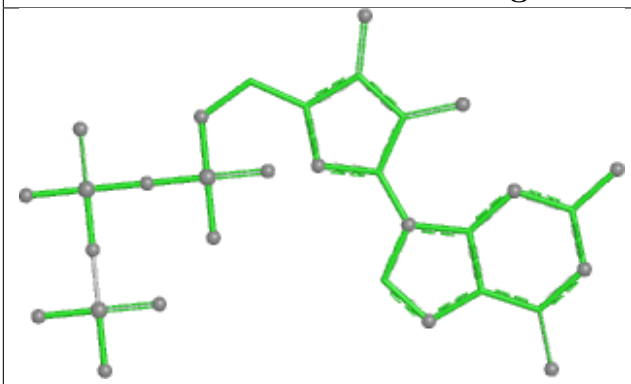


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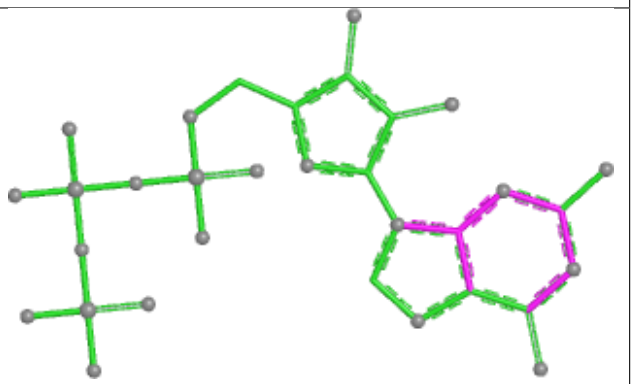


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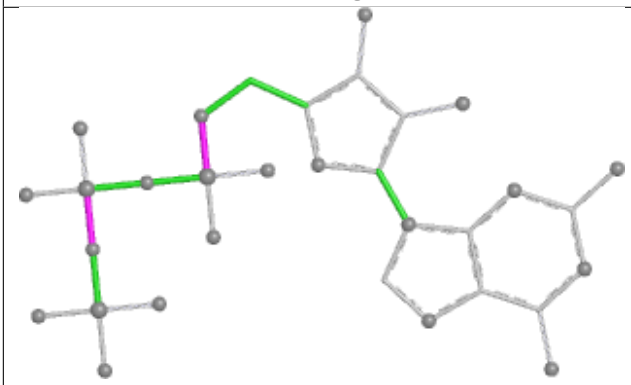
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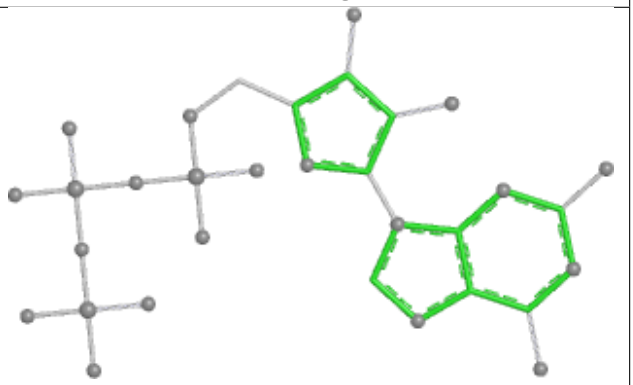
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Bond angles

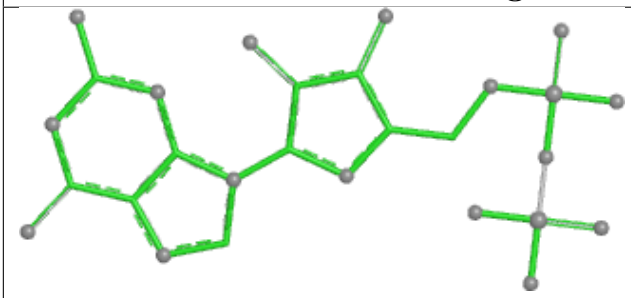


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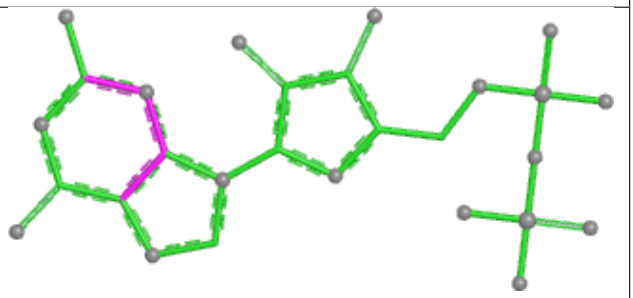


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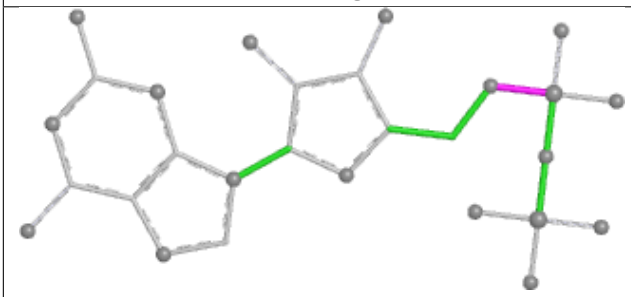
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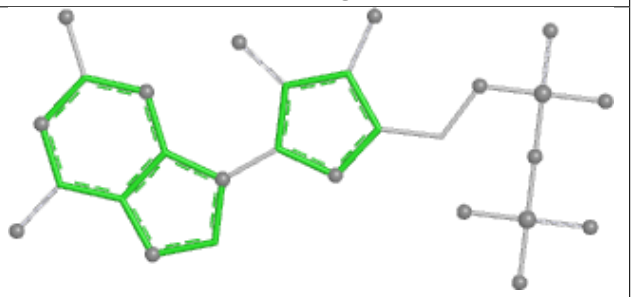
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Bond angles

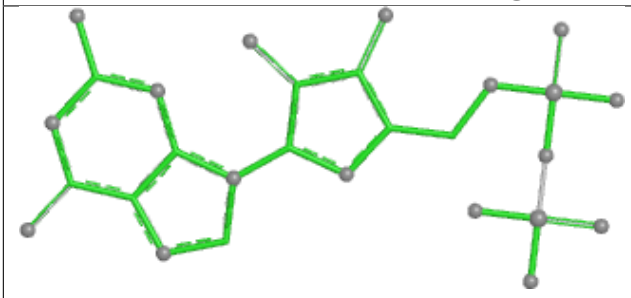


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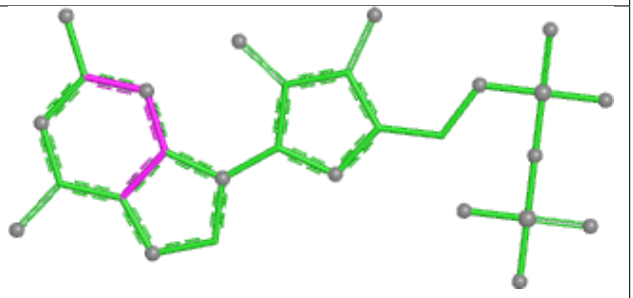


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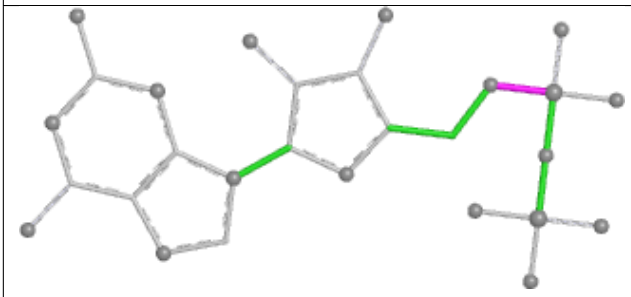
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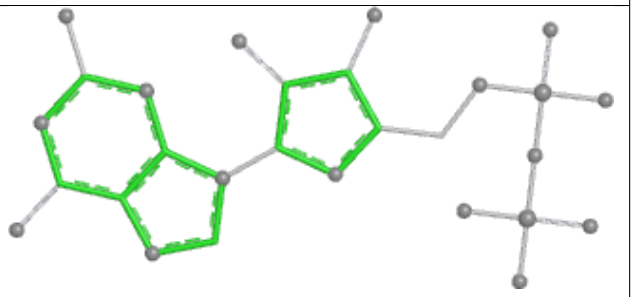
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Bond angles

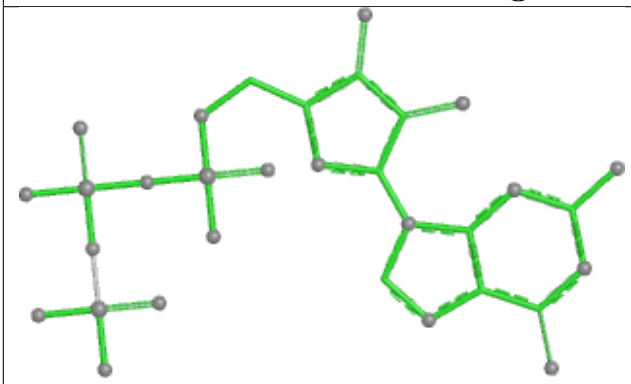


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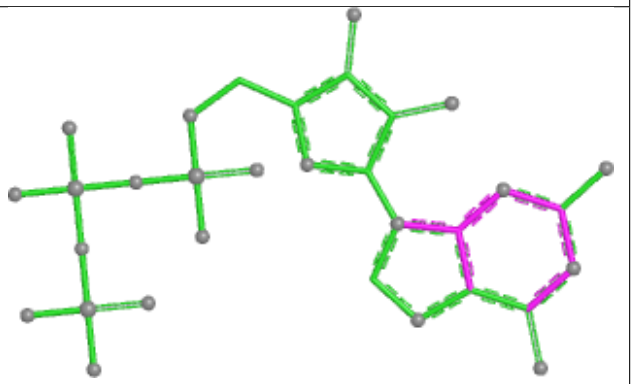


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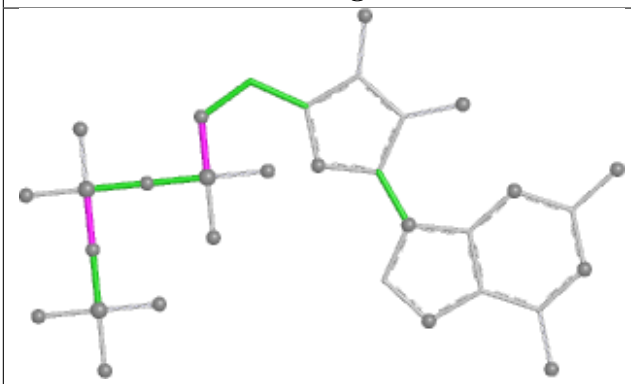
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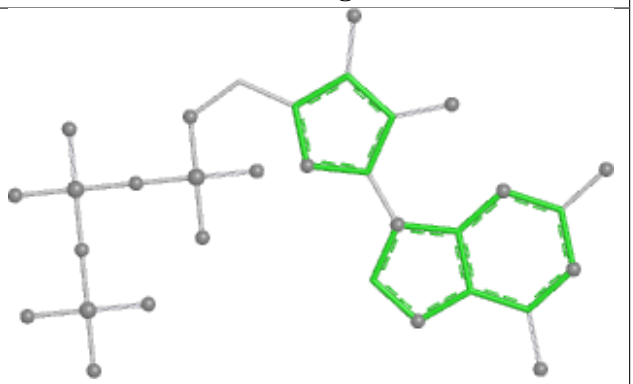
Bond lengths



Bond angles

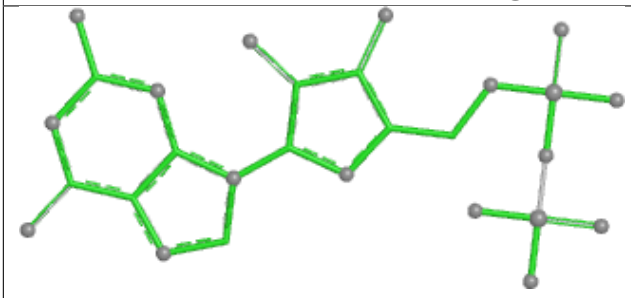


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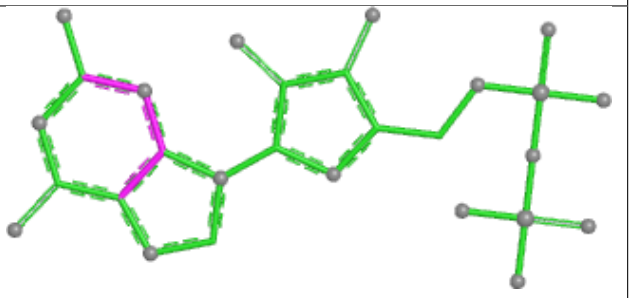


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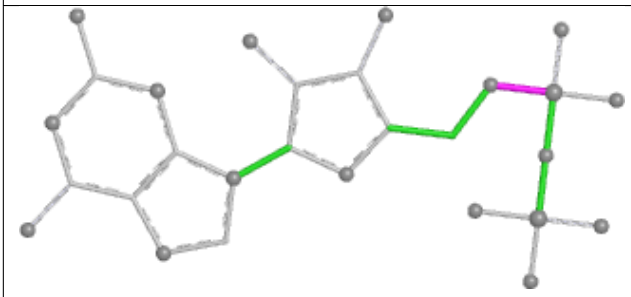
Ligand GDP HX 501



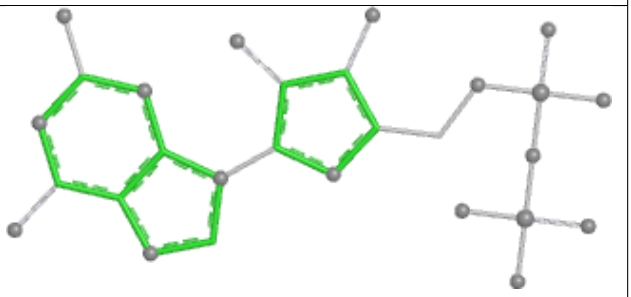
Bond lengths



Bond angles

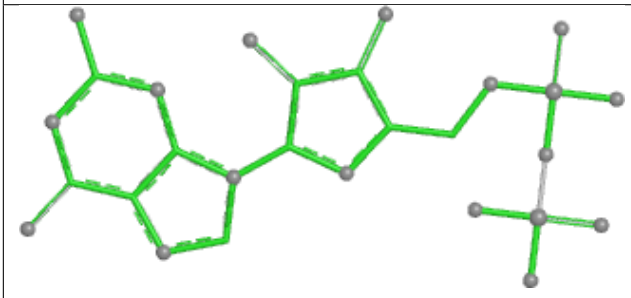


Torsions

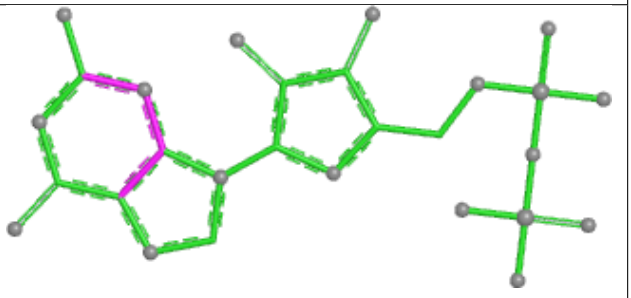


Rings

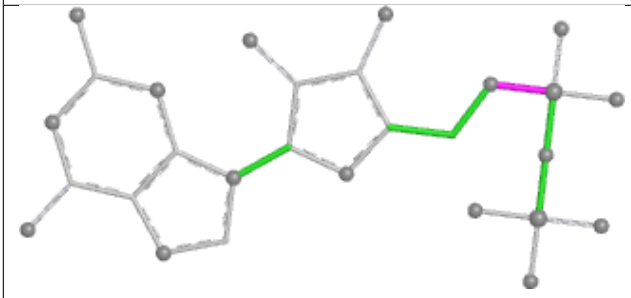
Ligand GDP SB 501



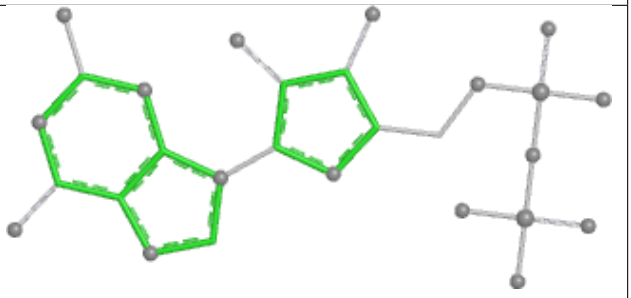
Bond lengths



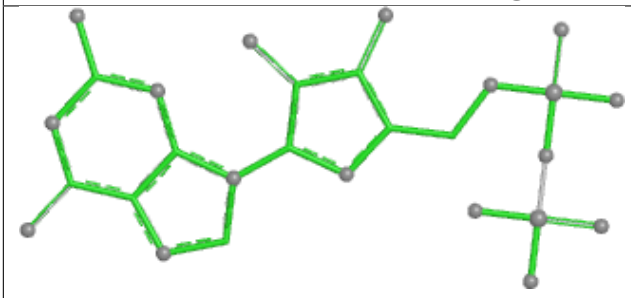
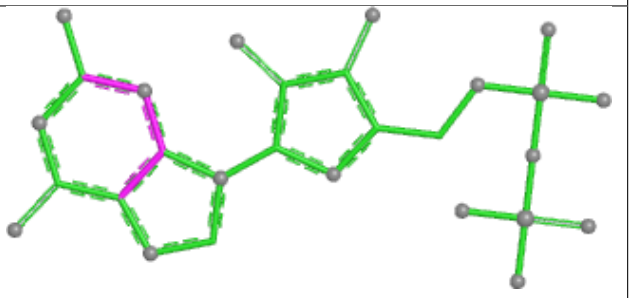
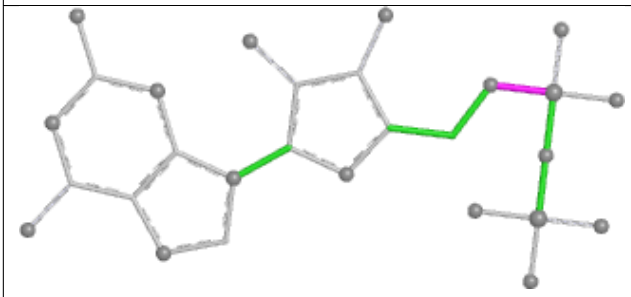
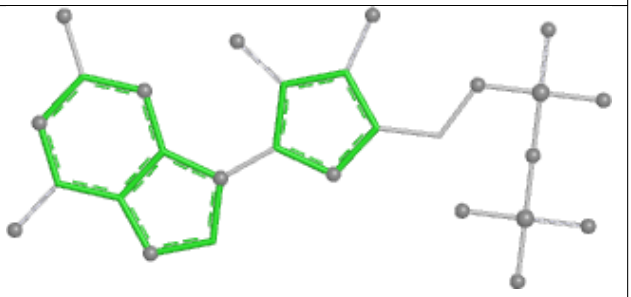
Bond angles

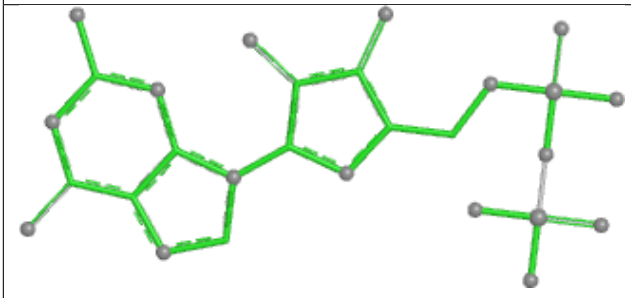
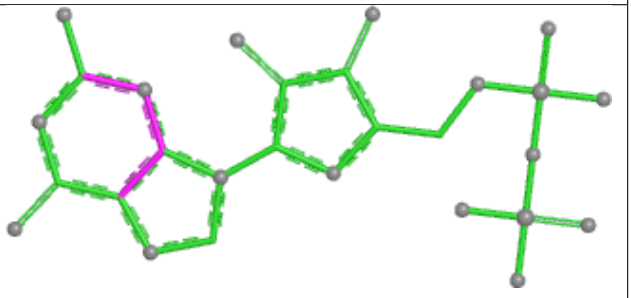
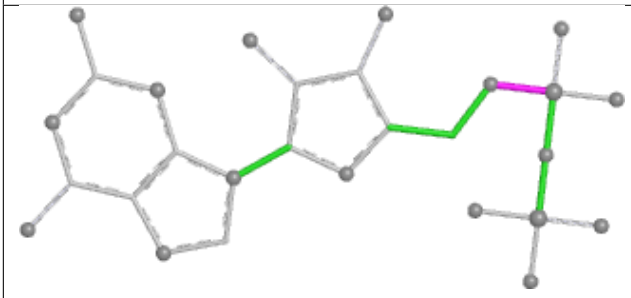
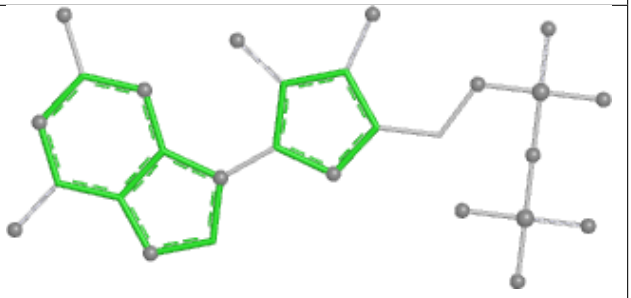


Torsions

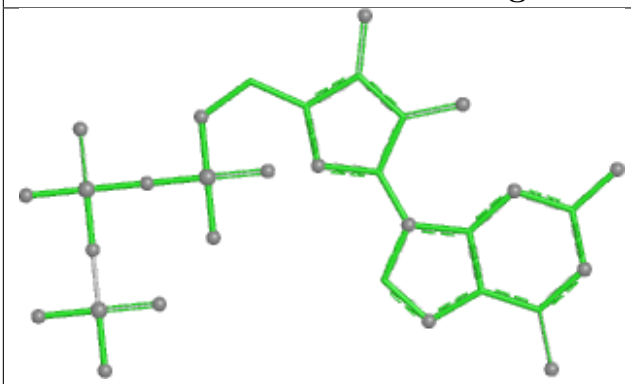


Rings

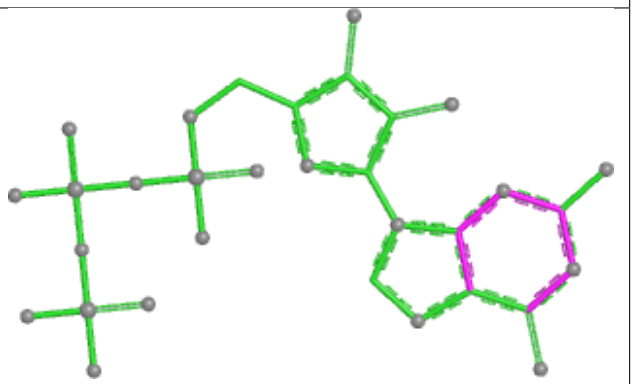
Ligand GDP HT 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP SR 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

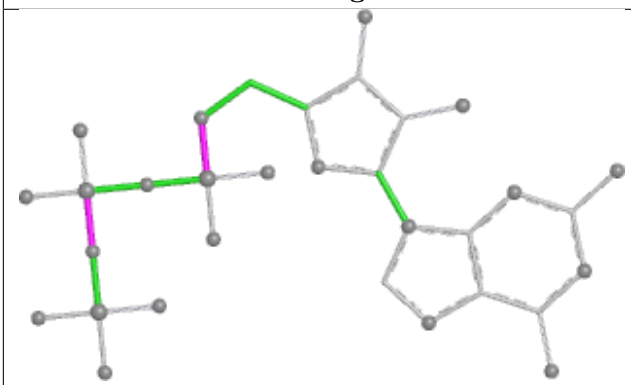
Ligand GTP SM 501



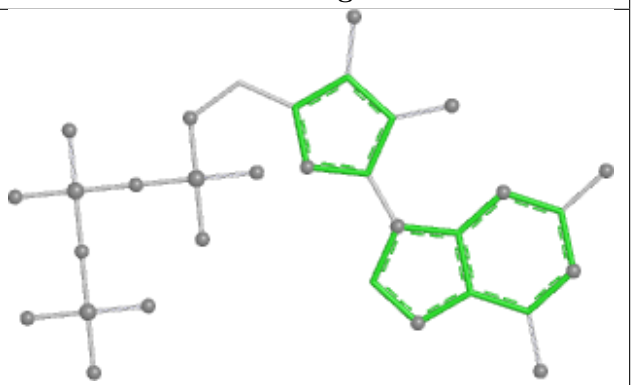
Bond lengths



Bond angles

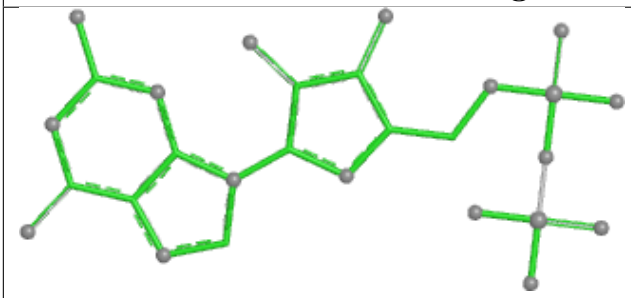


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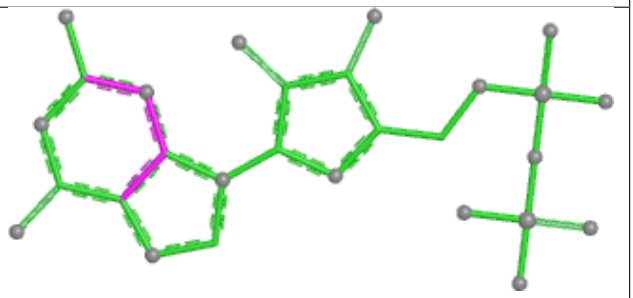


Rings

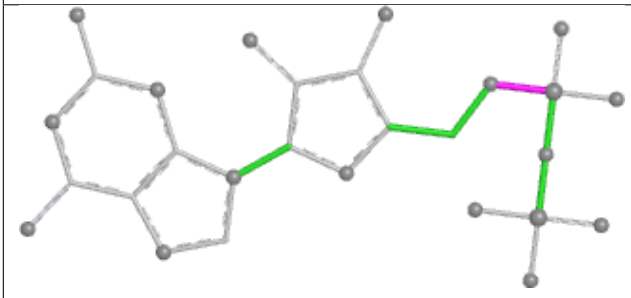
Ligand GDP SH 501



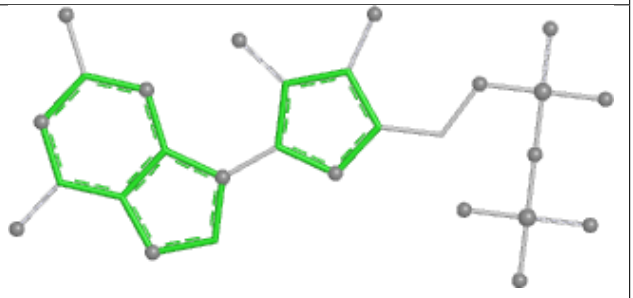
Bond lengths



Bond angles

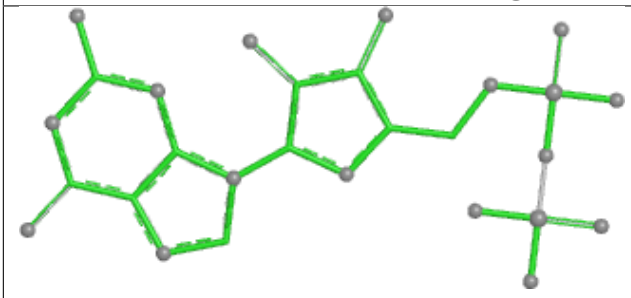


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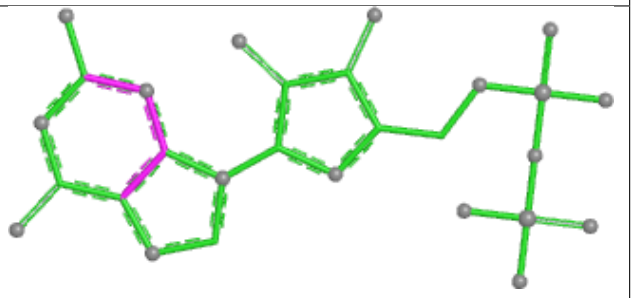


Rings

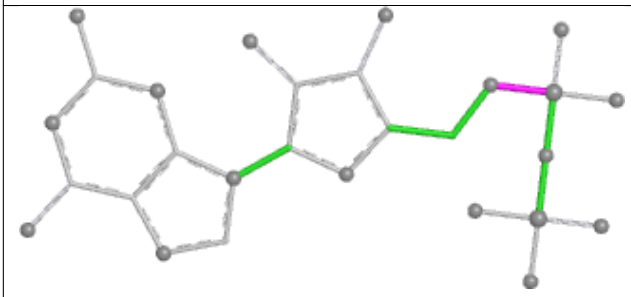
Ligand GDP AA 501



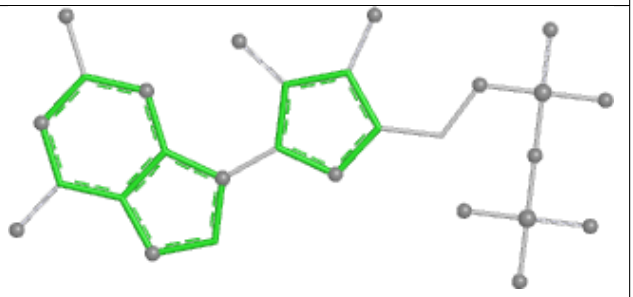
Bond lengths



Bond angles

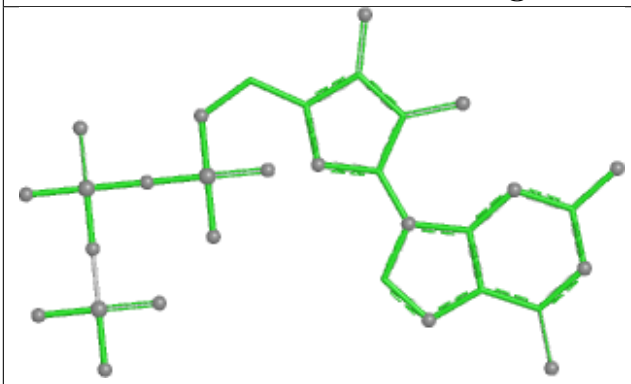


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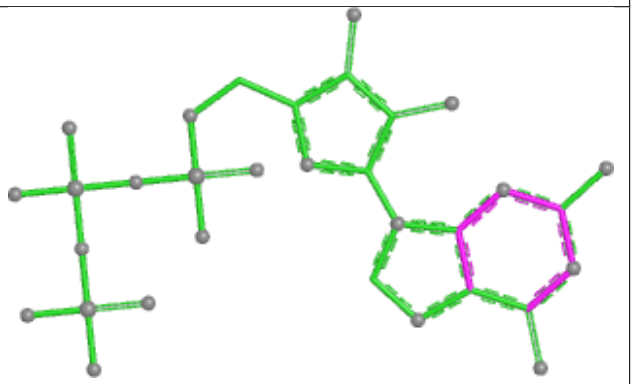


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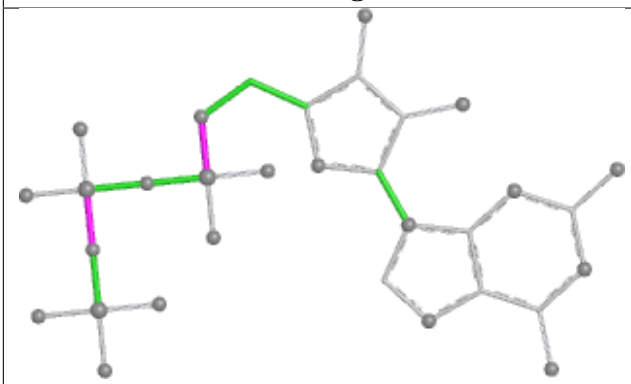
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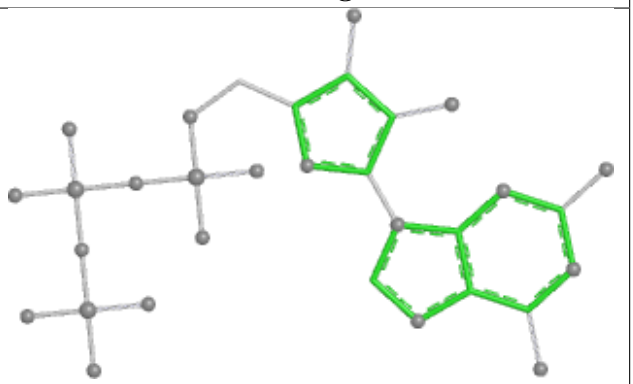
Bond lengths



Bond angles

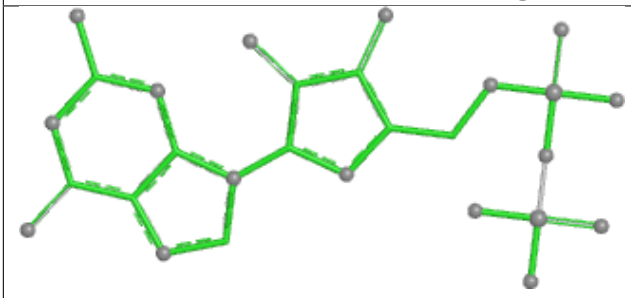


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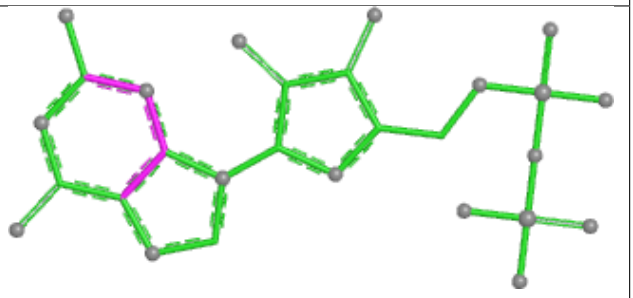


Rings

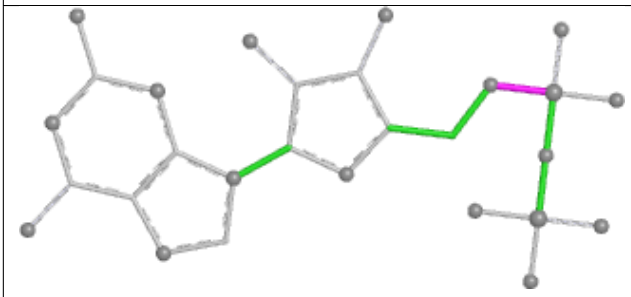
Ligand GDP UI 501



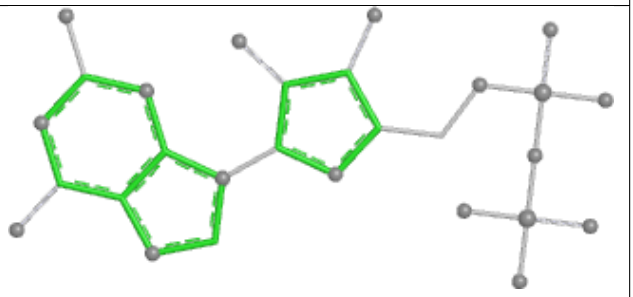
Bond lengths



Bond angles

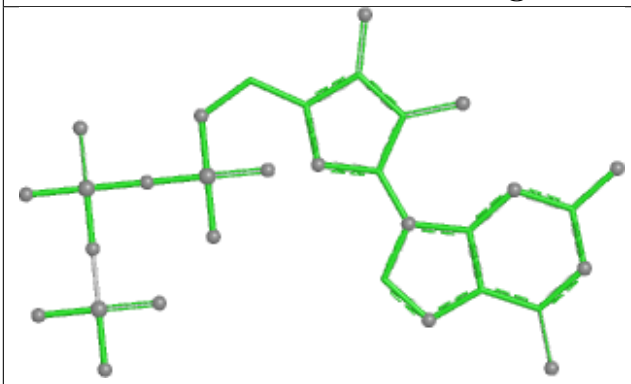


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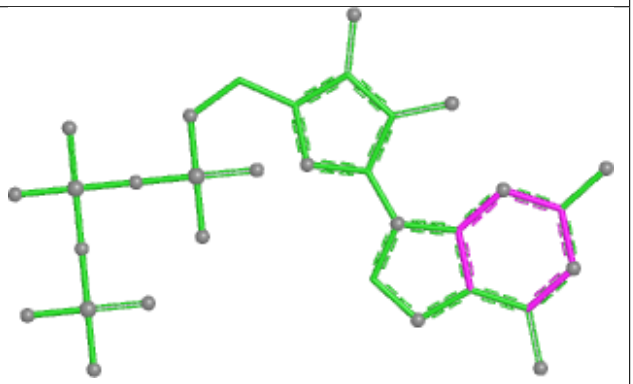


Rings

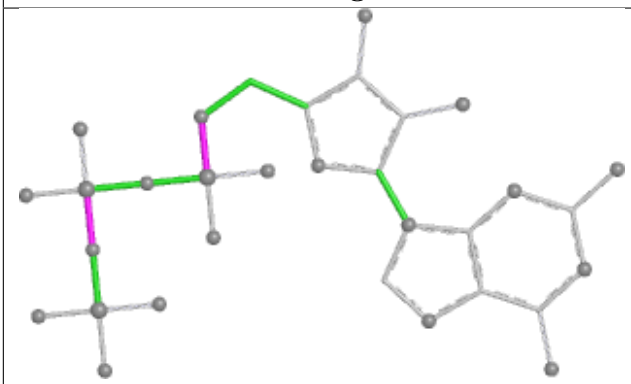
Ligand GTP HU 602



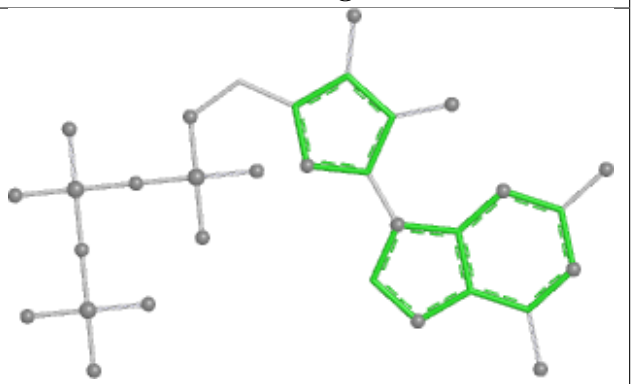
Bond lengths



Bond angles

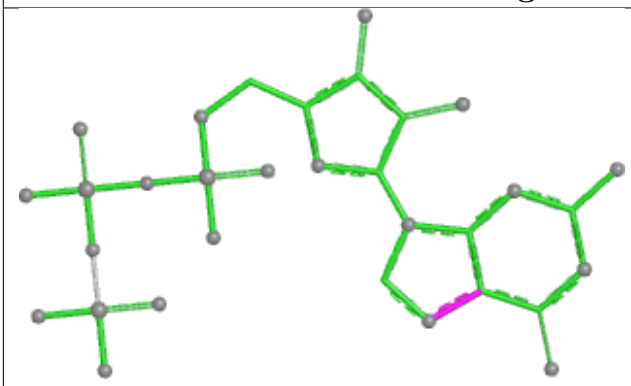


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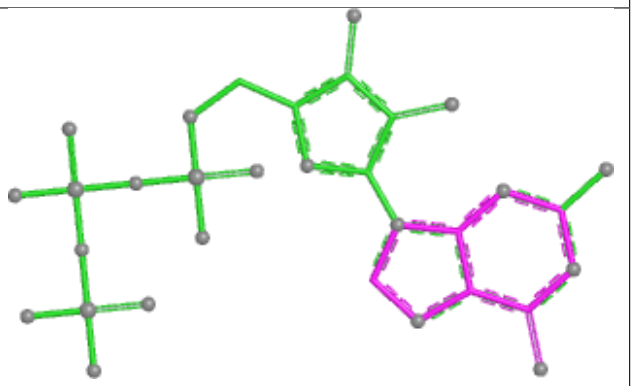


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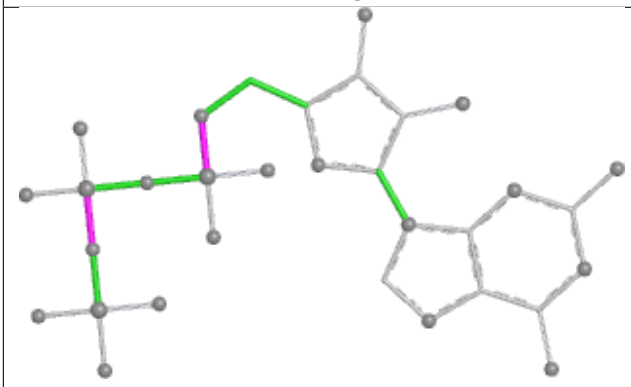
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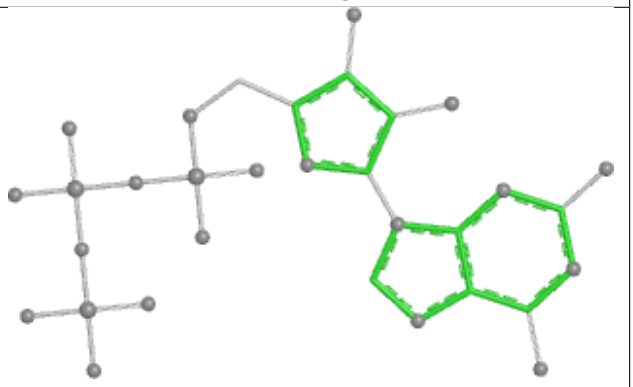
Bond lengths



Bond angles

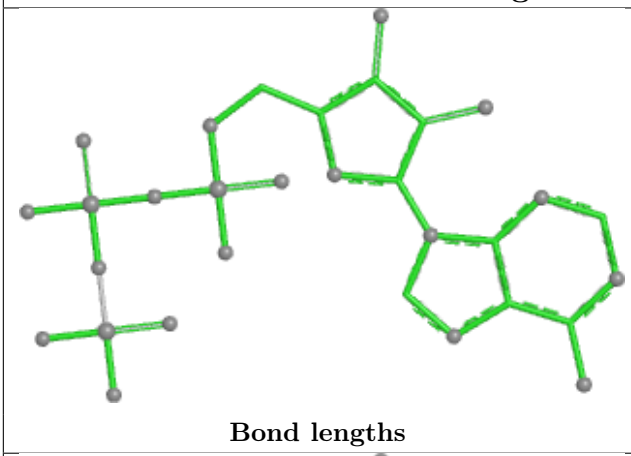


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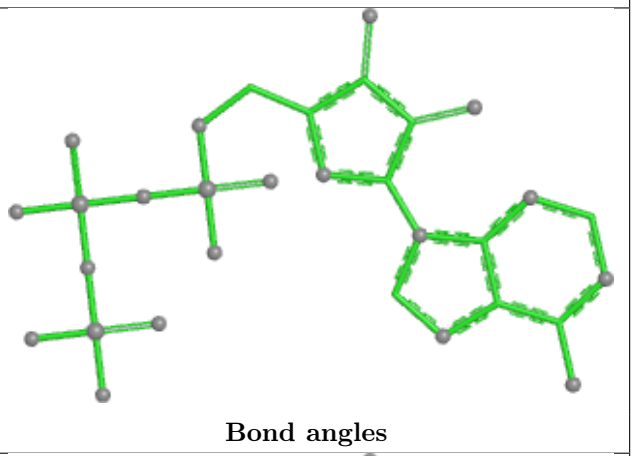


Rings

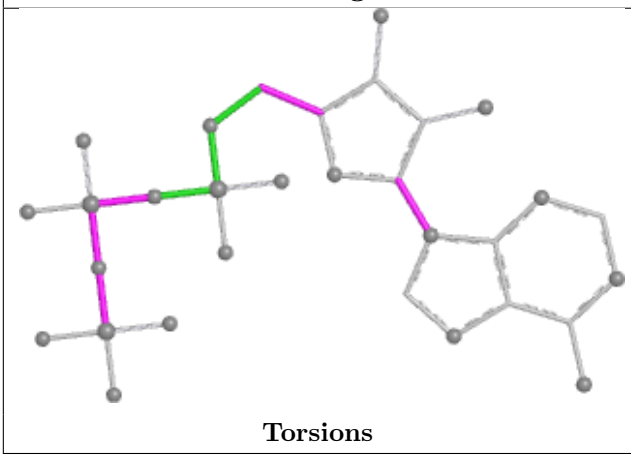
Ligand ATP 8e 4702



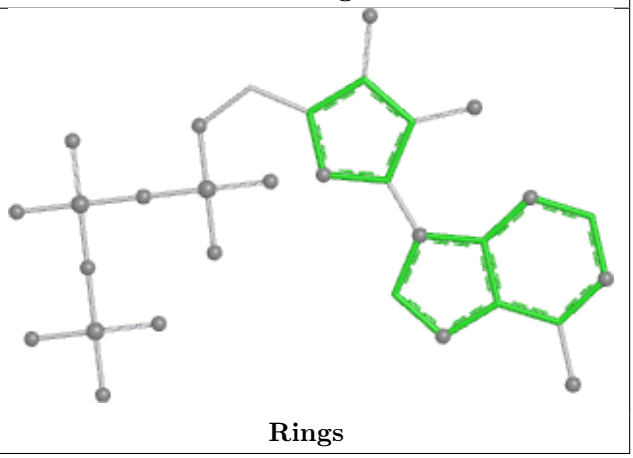
Bond lengths



Bond angles

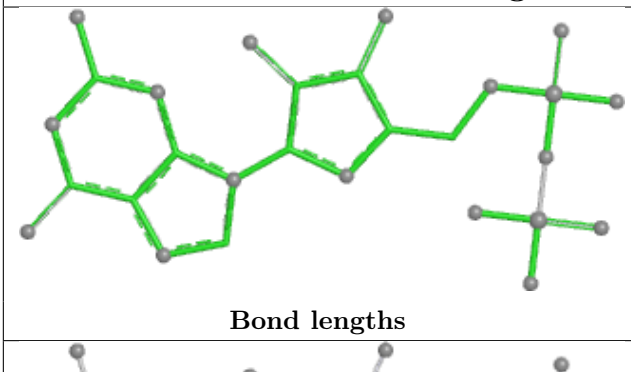


Torsions

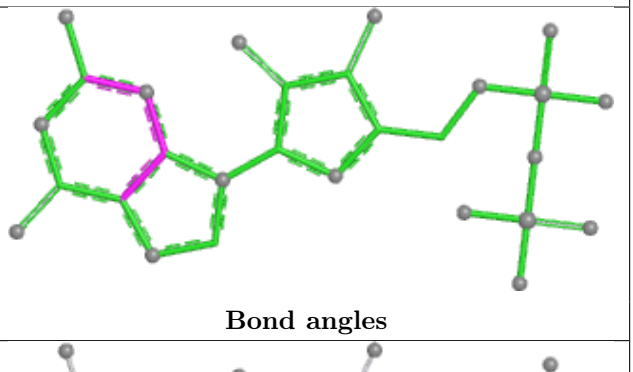


Rings

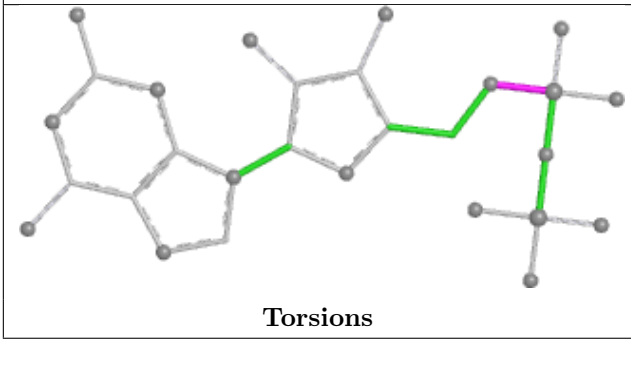
Ligand GDP CC 501



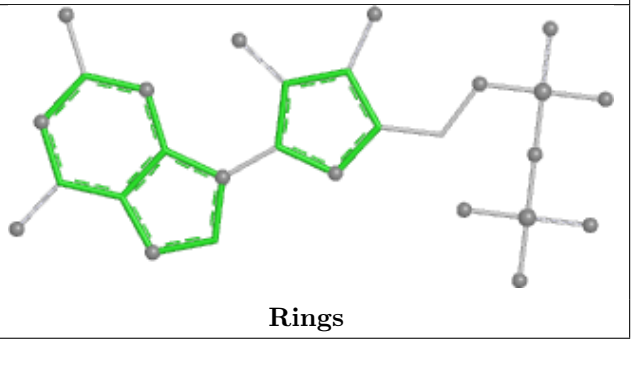
Bond lengths



Bond angles

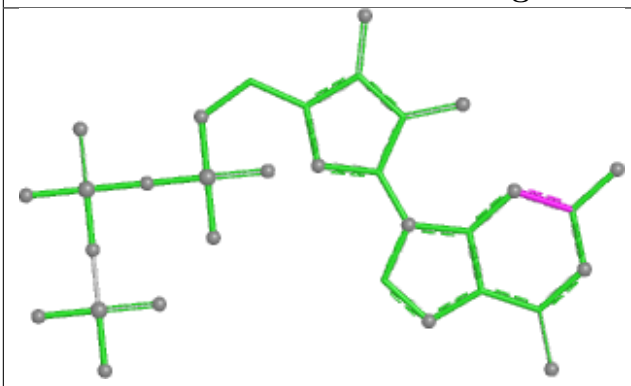


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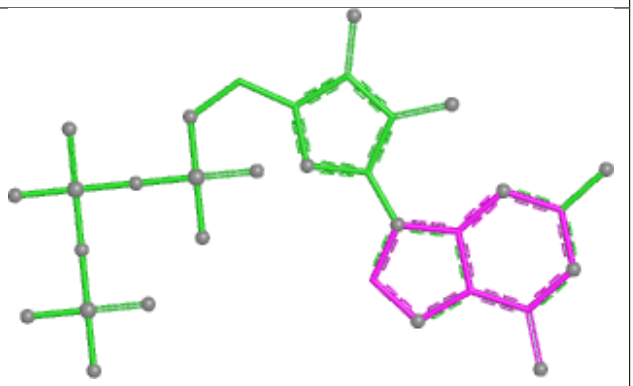


Rings

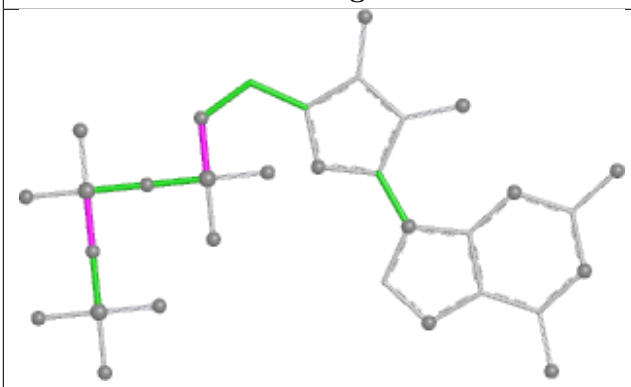
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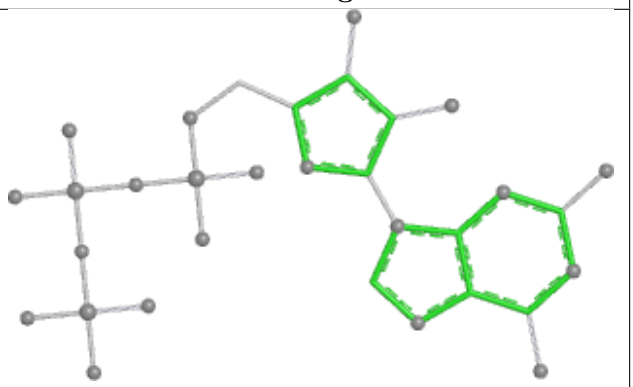
Bond lengths



Bond angles

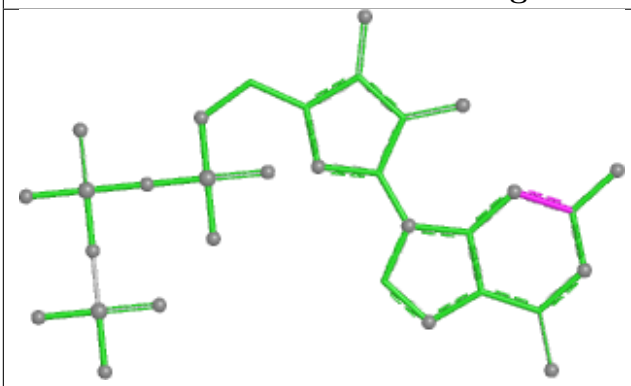


Torsions

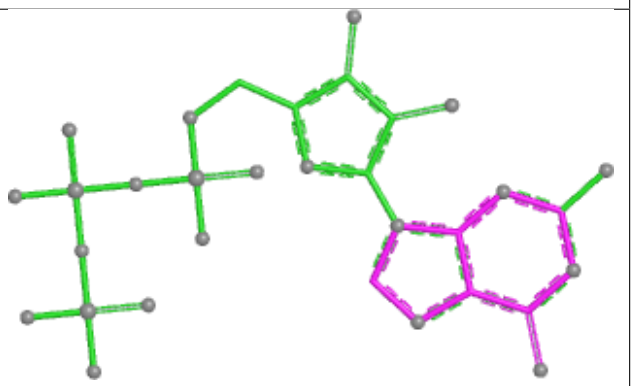


Rings

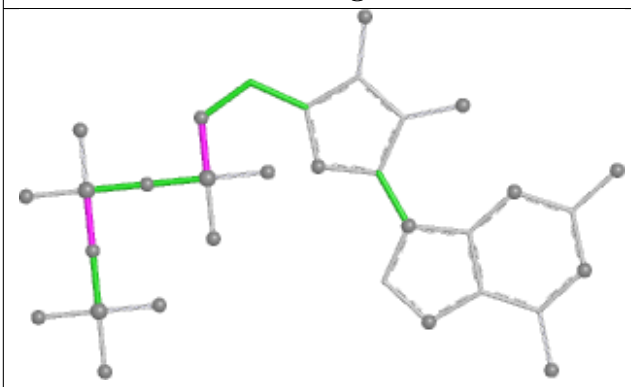
Ligand GTP HE 602



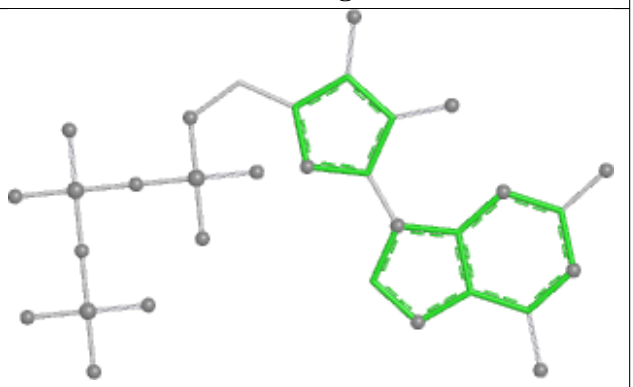
Bond lengths



Bond angles

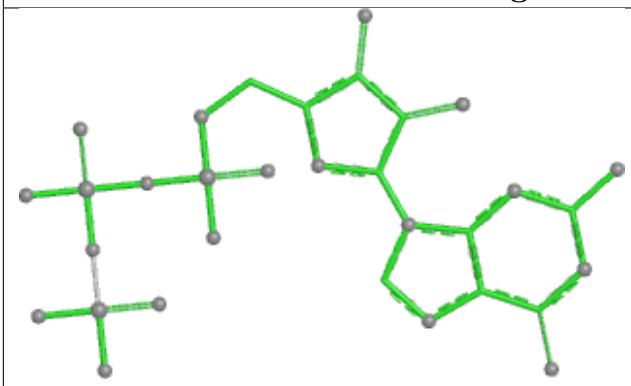


Torsions

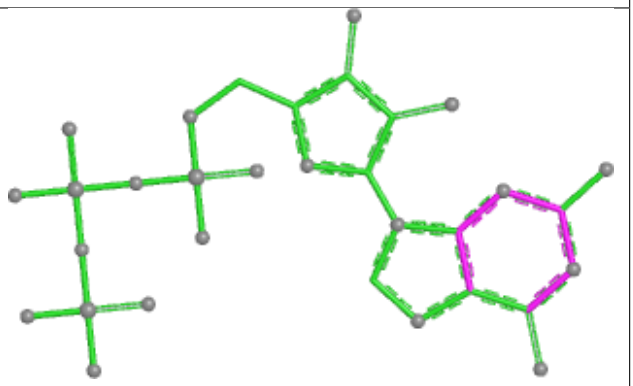


Rings

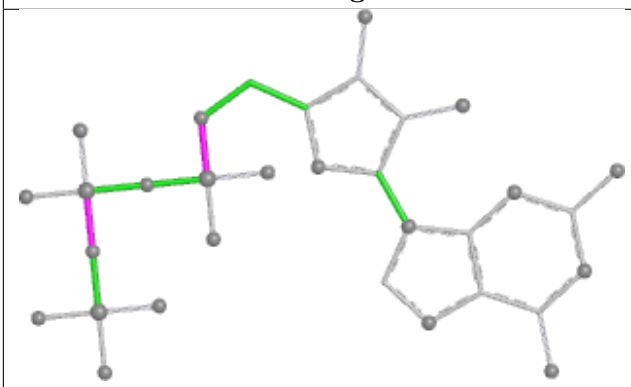
Ligand GTP VE 501



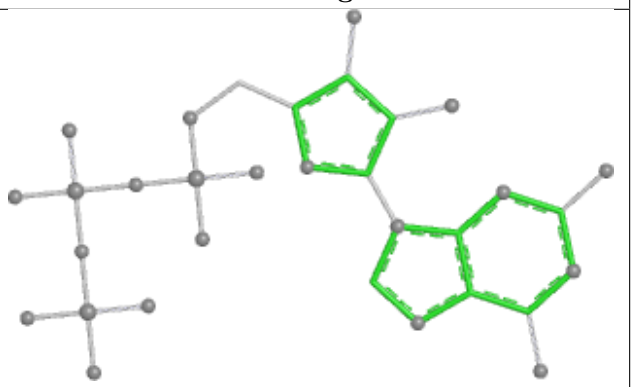
Bond lengths



Bond angles

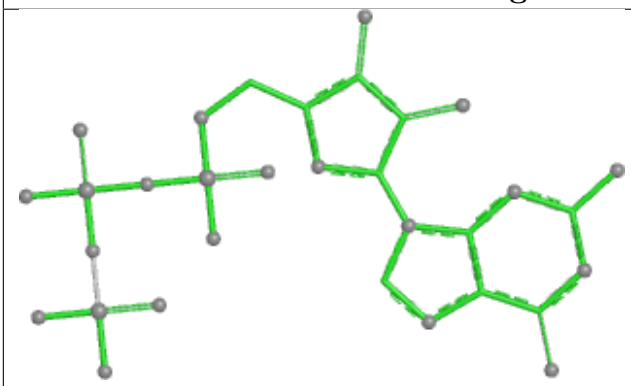


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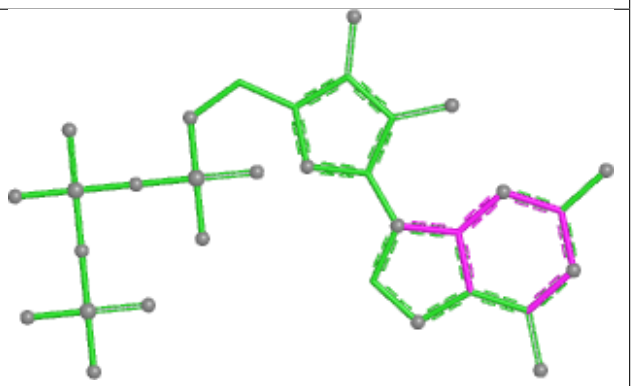


Rings

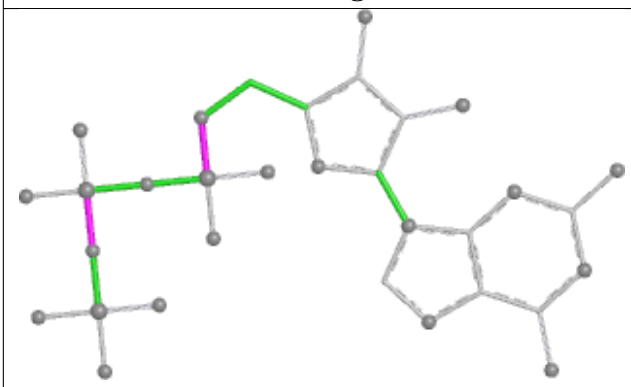
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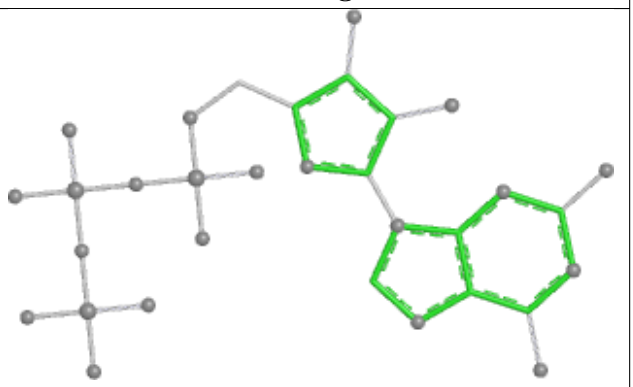
Bond lengths



Bond angles

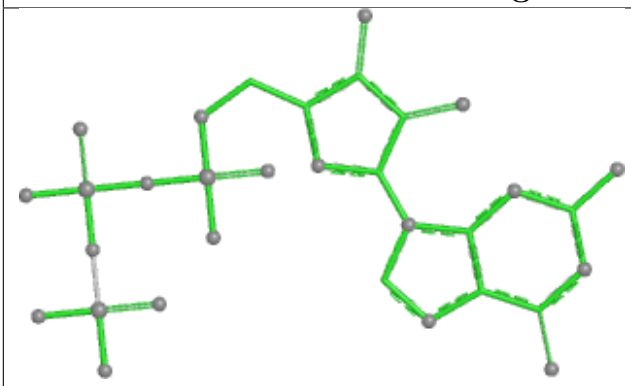


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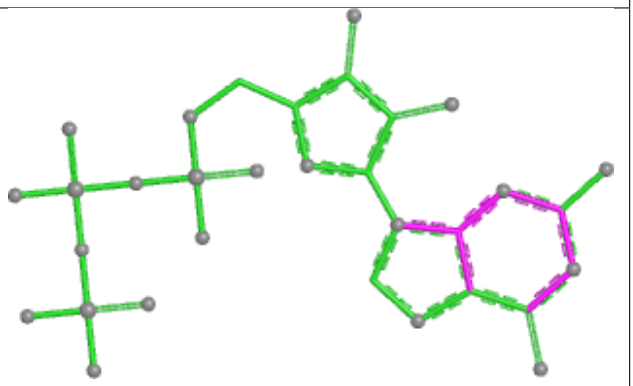


Rings

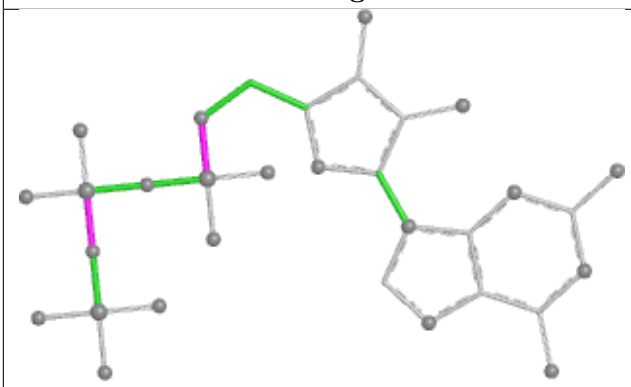
Ligand GTP TZ 602



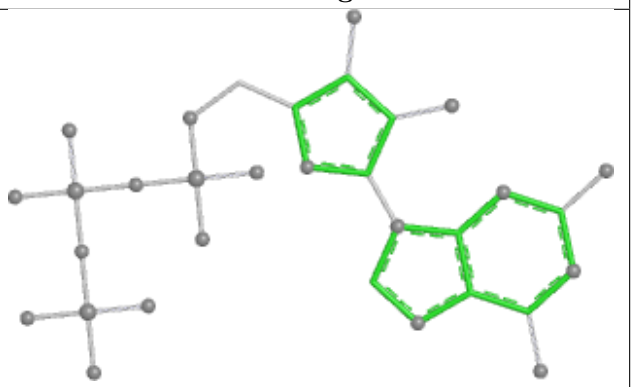
Bond lengths



Bond angles

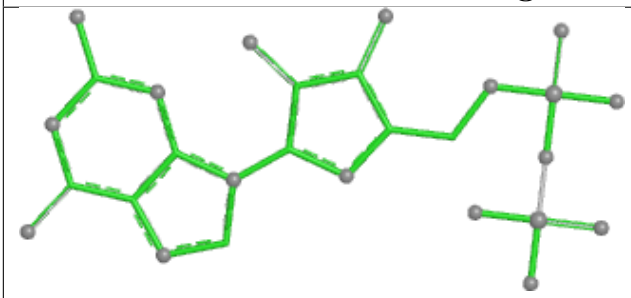


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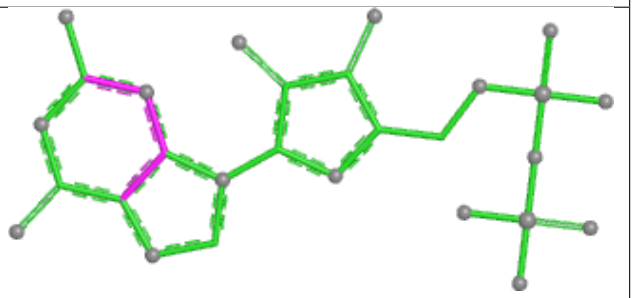


Rings

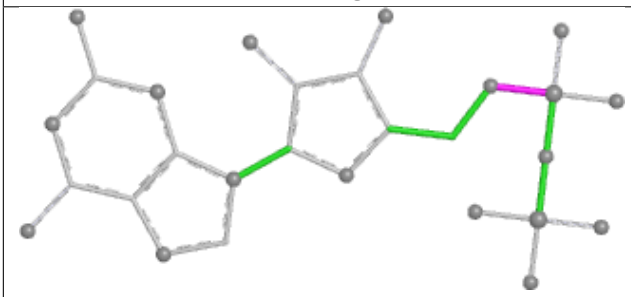
Ligand GDP LI 501



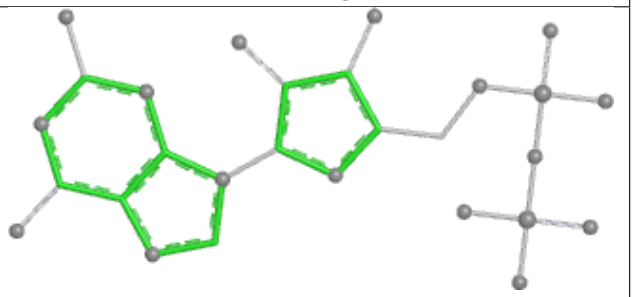
Bond lengths



Bond angles

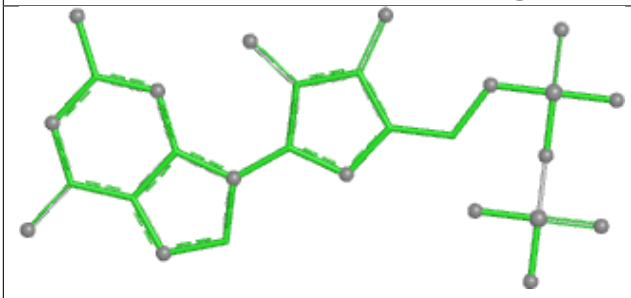


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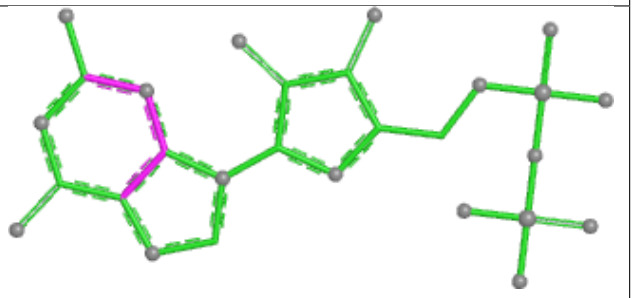


Rings

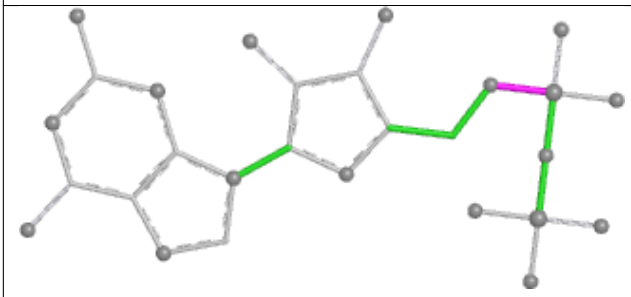
Ligand GDP SX 501



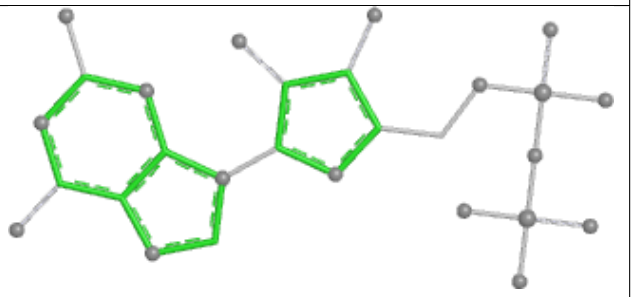
Bond lengths



Bond angles

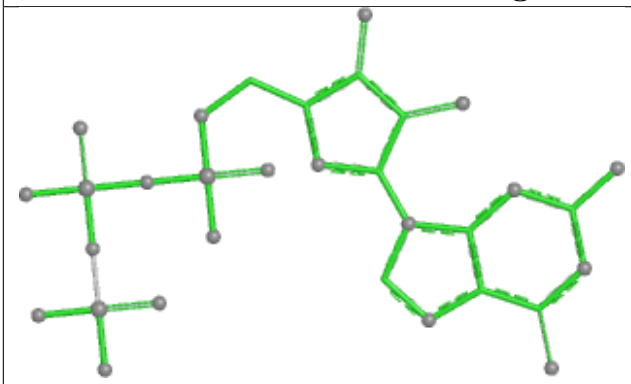


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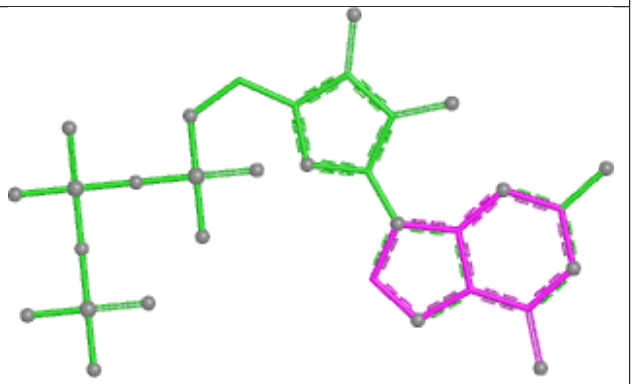


Rings

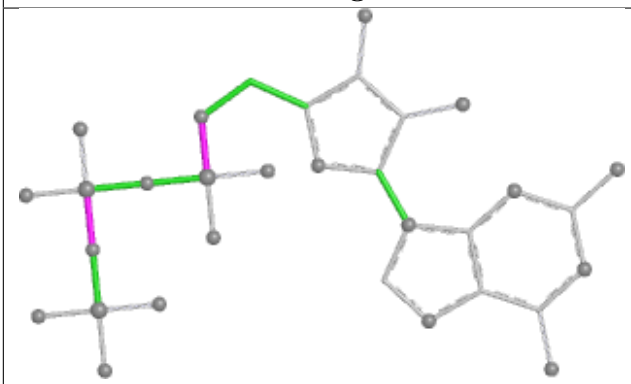
Ligand GTP BF 602



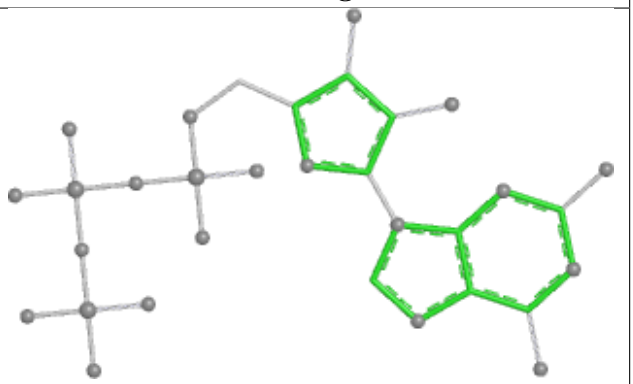
Bond lengths



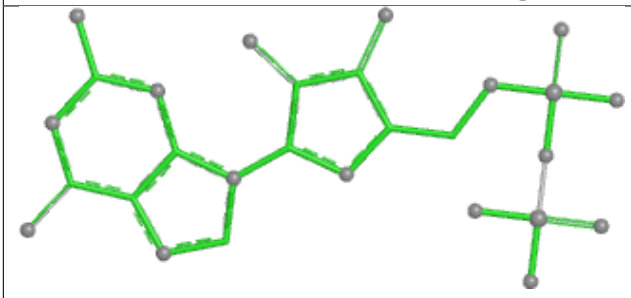
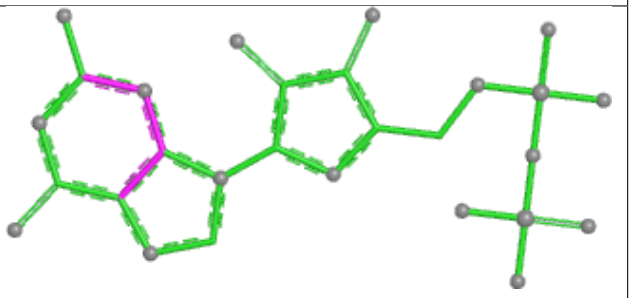
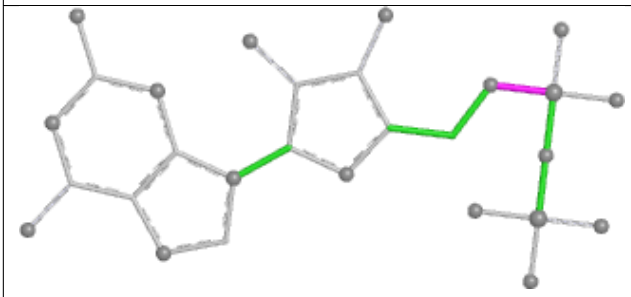
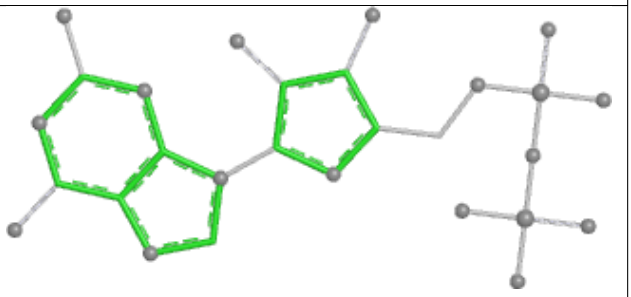
Bond angles

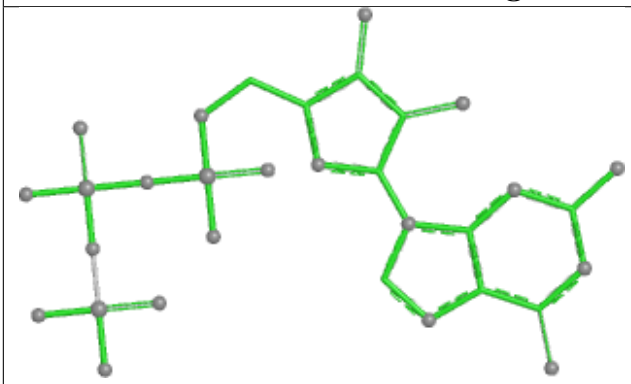
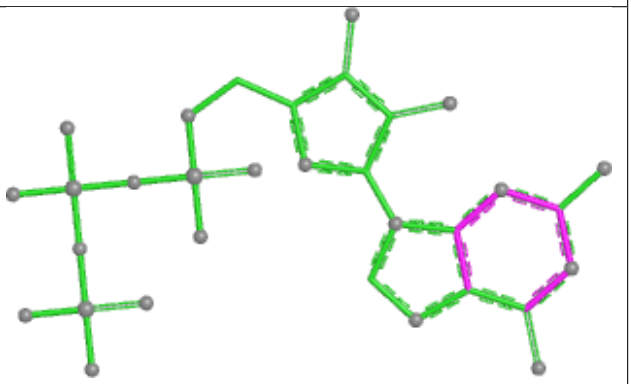
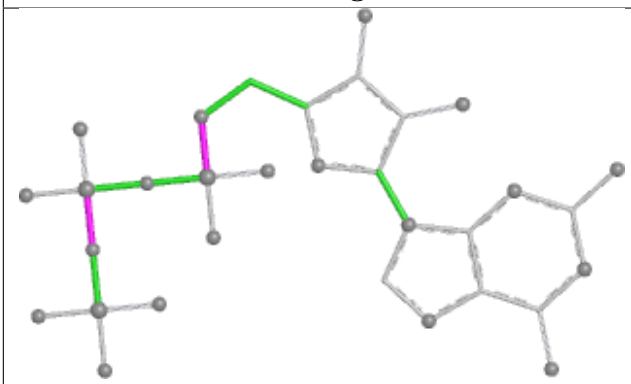
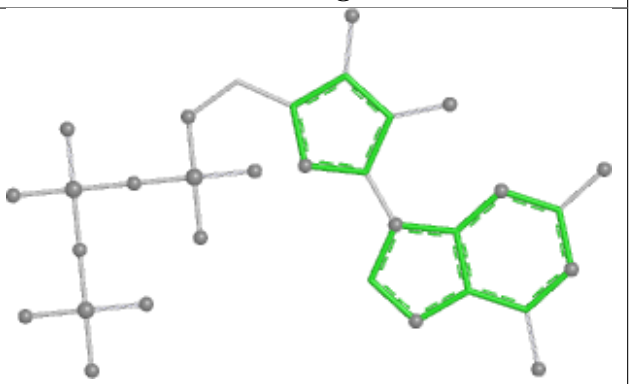


Torsions

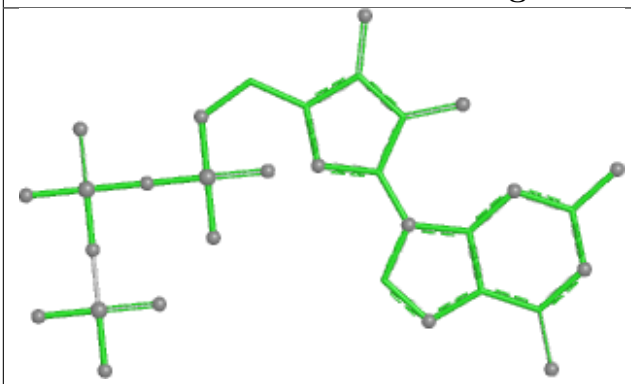


Rings

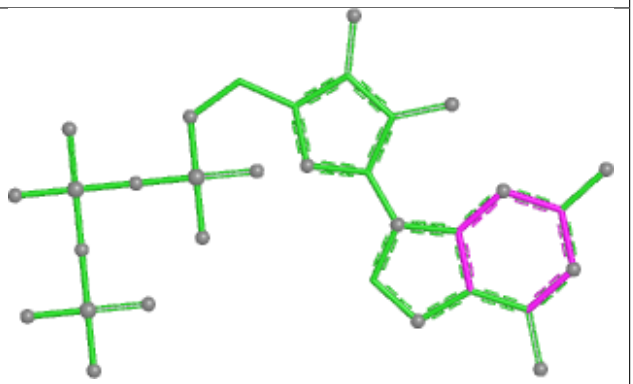
Ligand GDP DI 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP DM 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

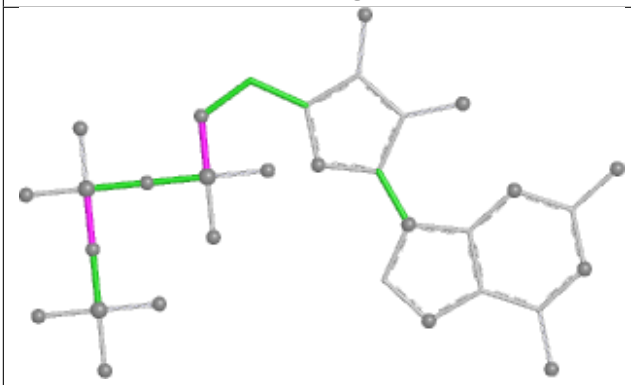
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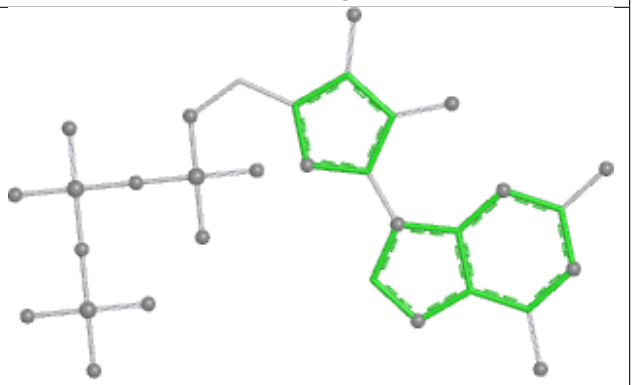
Bond lengths



Bond angles

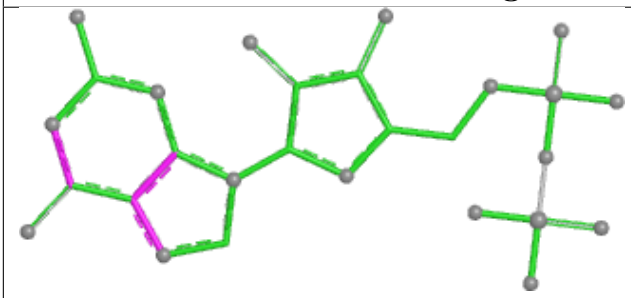


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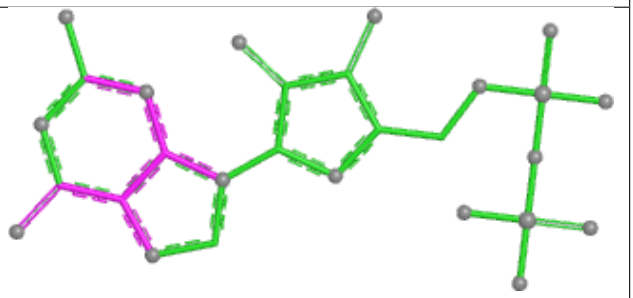


Rings

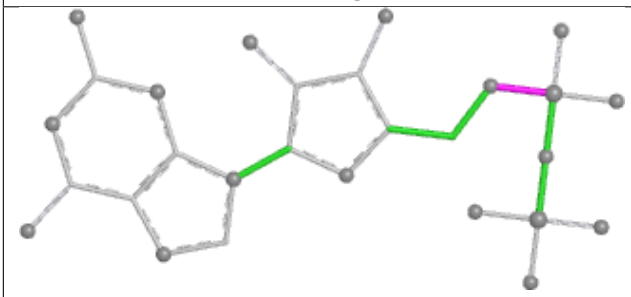
Ligand GDP WX 501



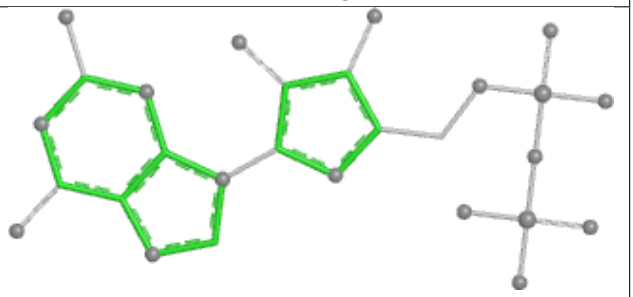
Bond lengths



Bond angles

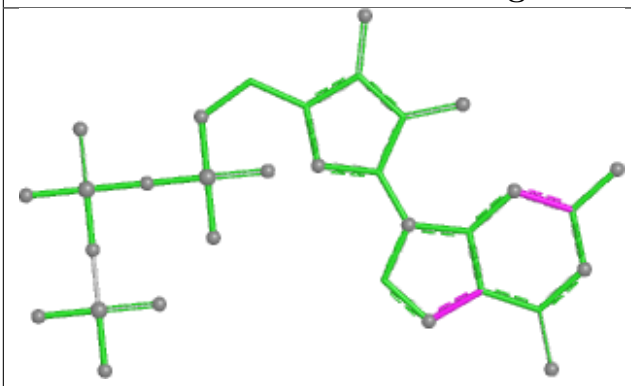


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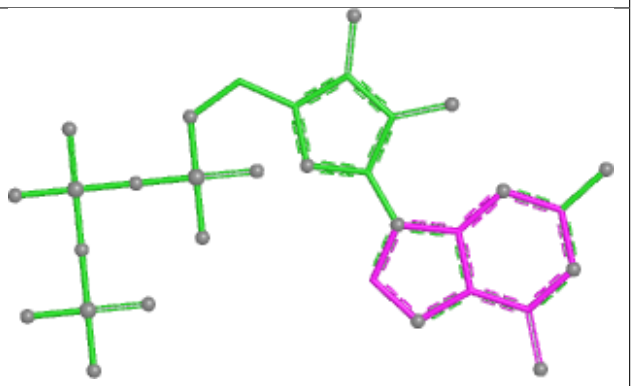


Rings

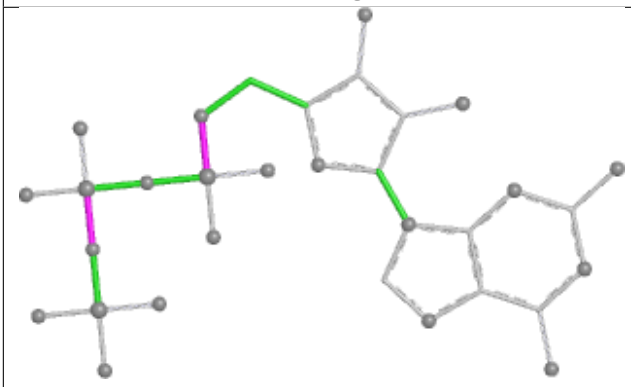
Ligand GTP HA 501



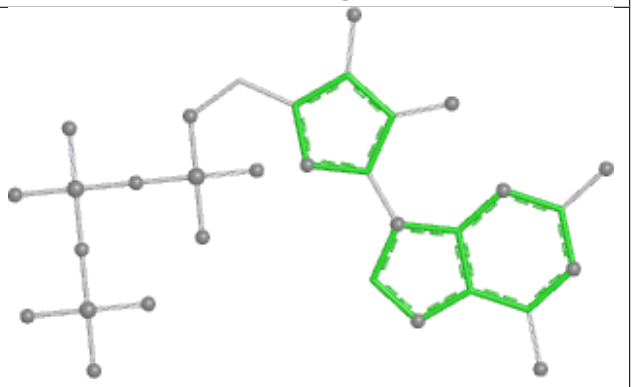
Bond lengths



Bond angles

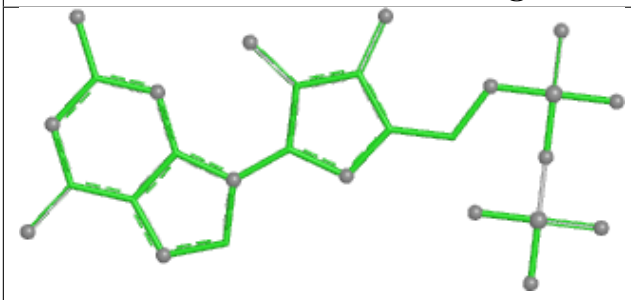


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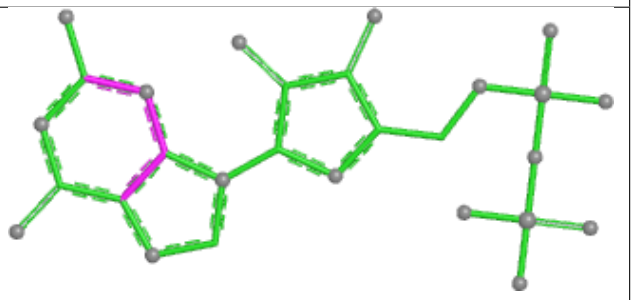


Rings

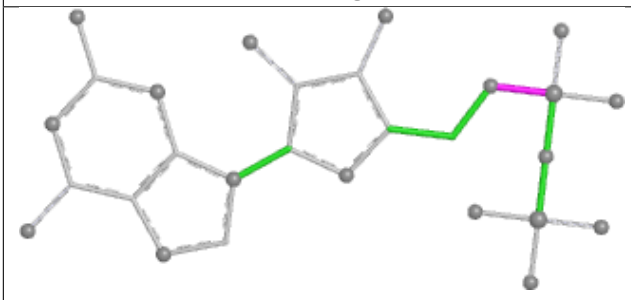
Ligand GDP YB 501



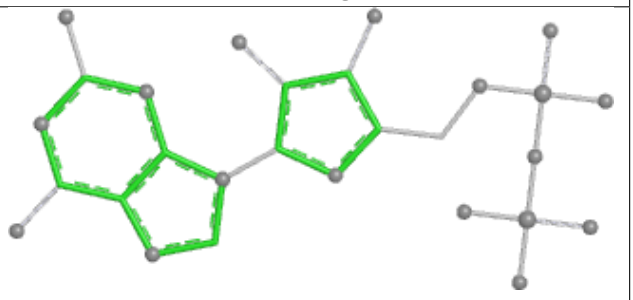
Bond lengths



Bond angles

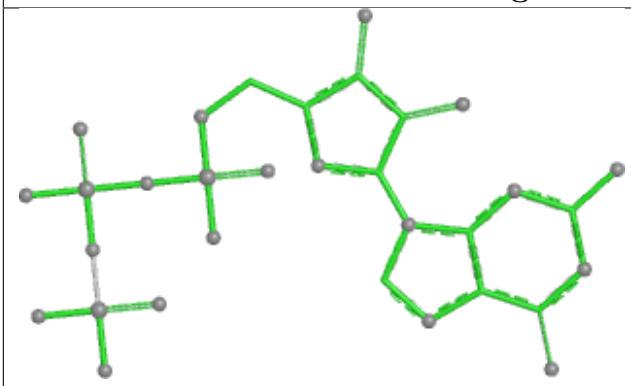


Torsions

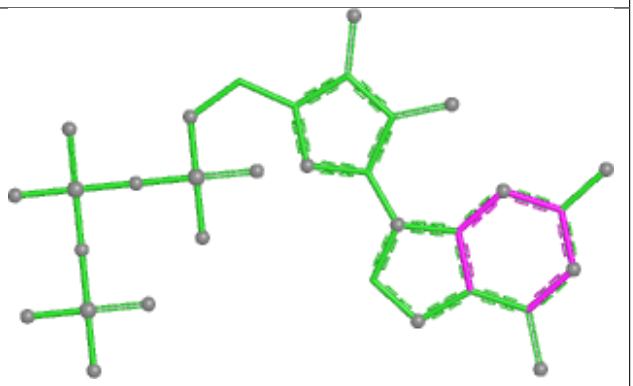


Rings

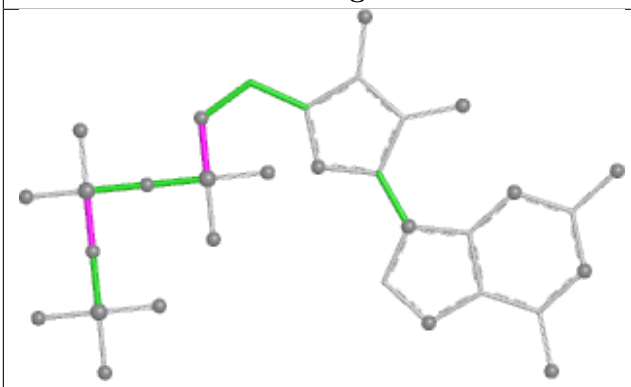
Ligand GTP OZ 501



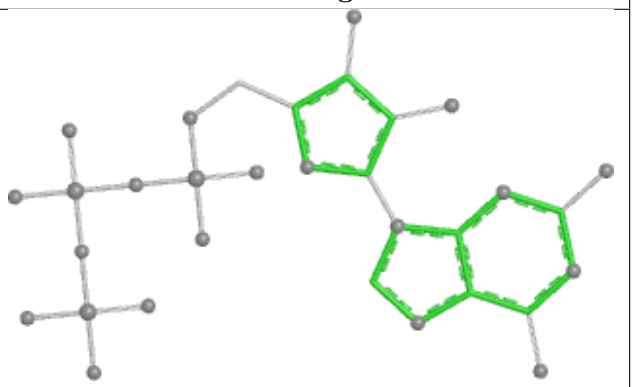
Bond lengths



Bond angles

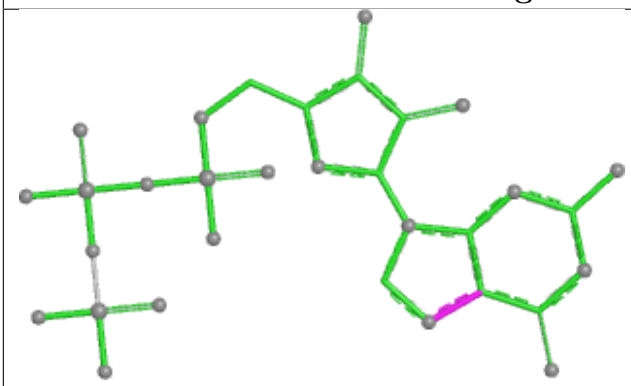


Torsions

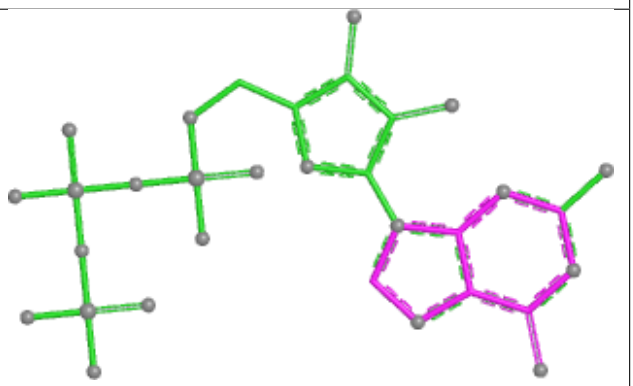


Rings

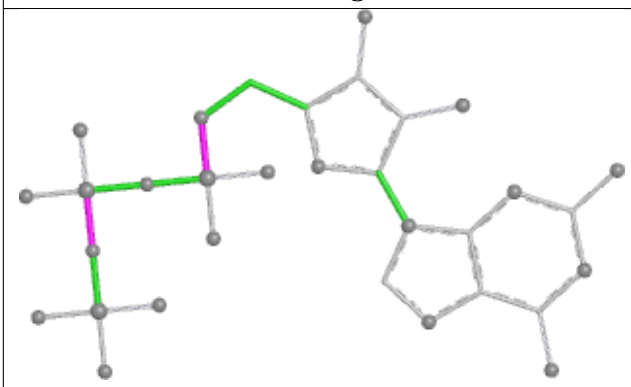
Ligand GTP IG 501



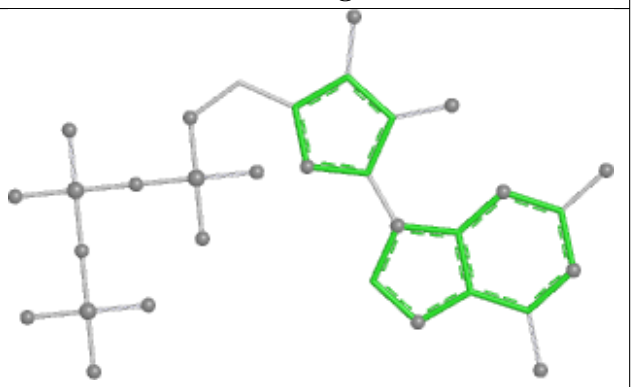
Bond lengths



Bond angles

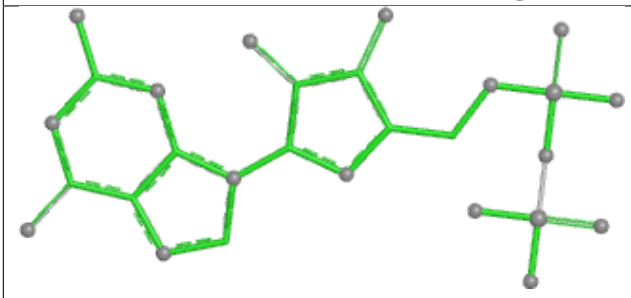


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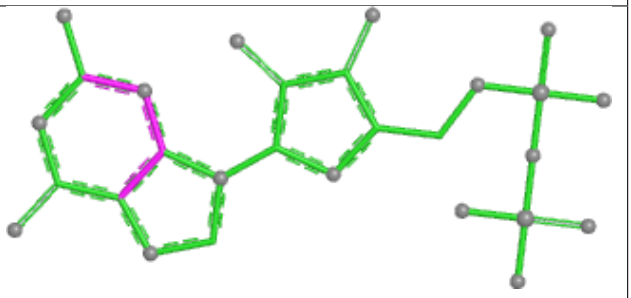


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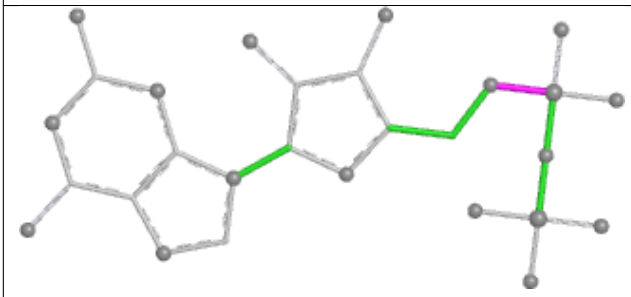
Ligand GDP HJ 501



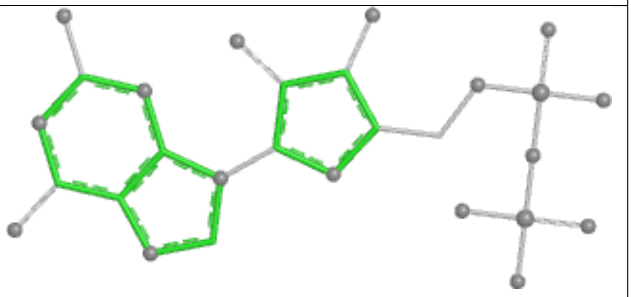
Bond lengths



Bond angles

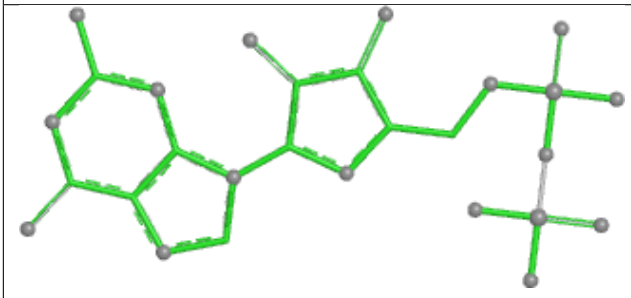


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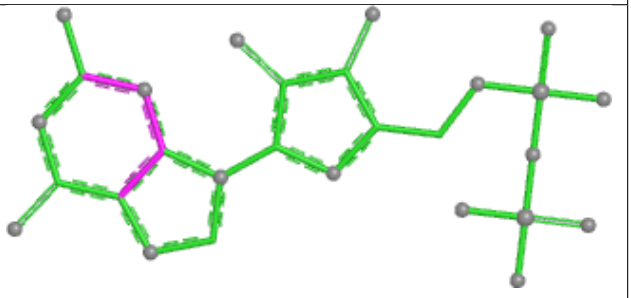


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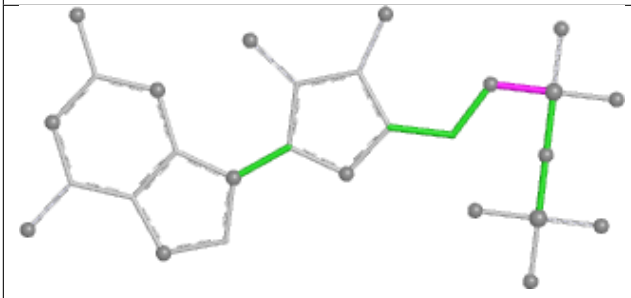
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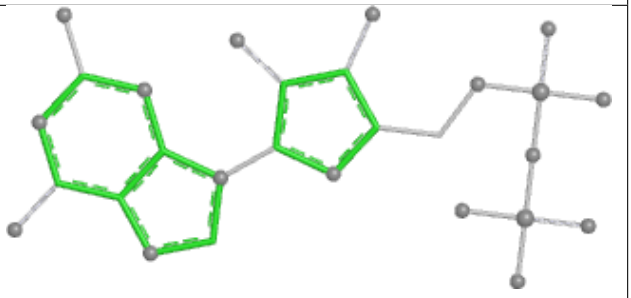
Bond lengths



Bond angles

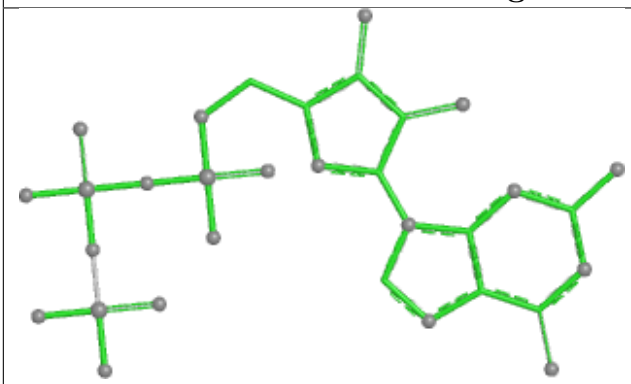


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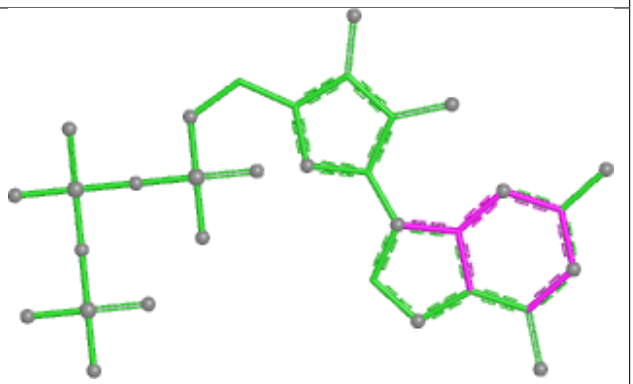


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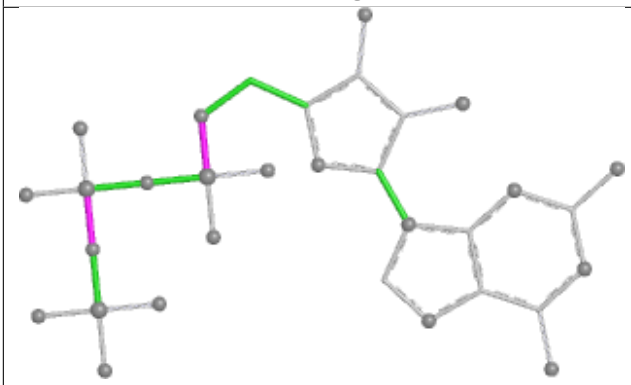
Ligand GTP KN 602



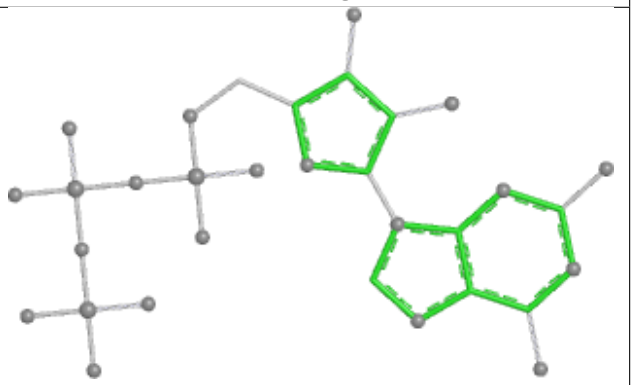
Bond lengths



Bond angles

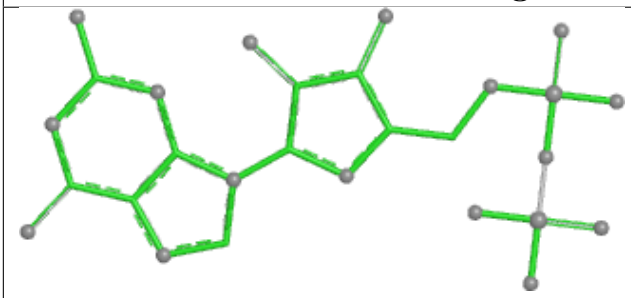


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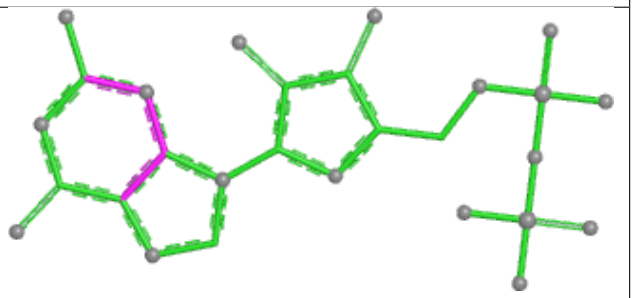


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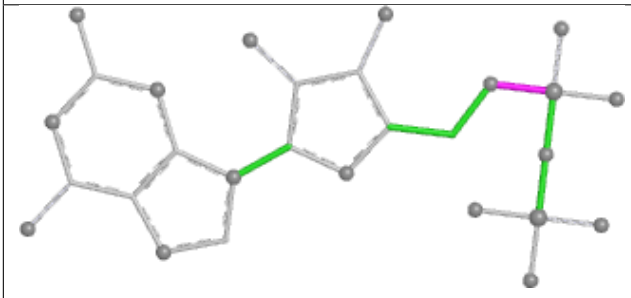
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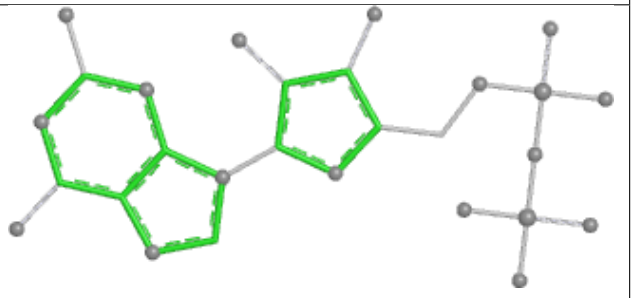
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Bond angles

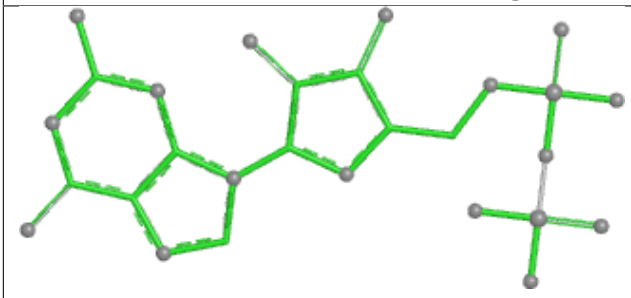


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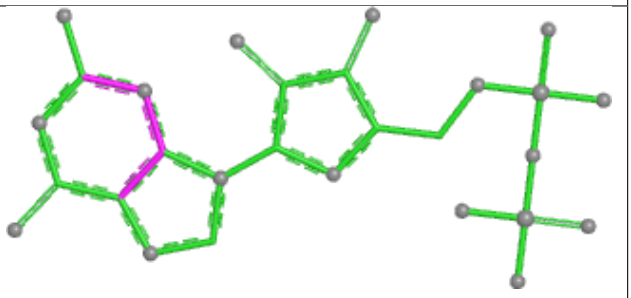


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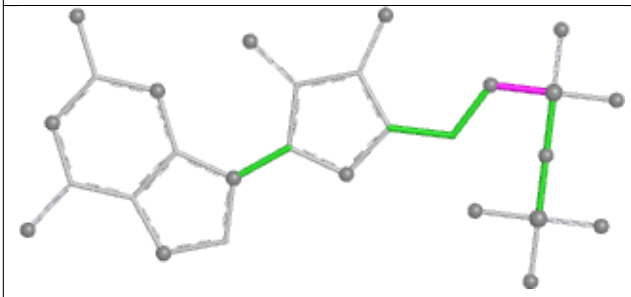
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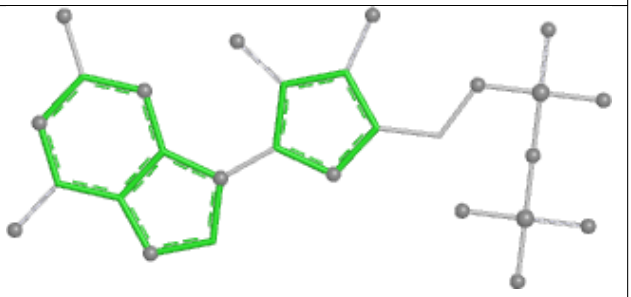
Bond lengths



Bond angles

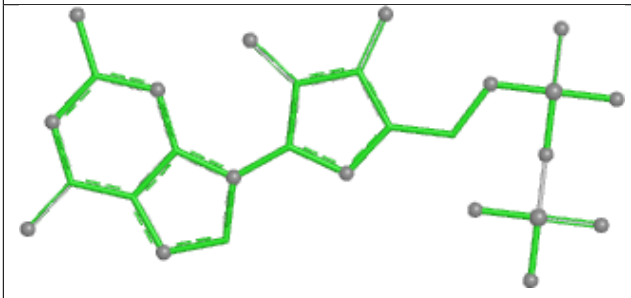


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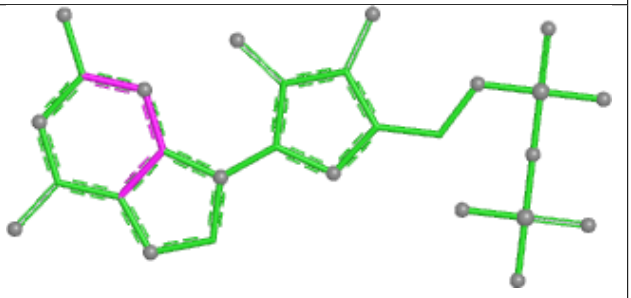


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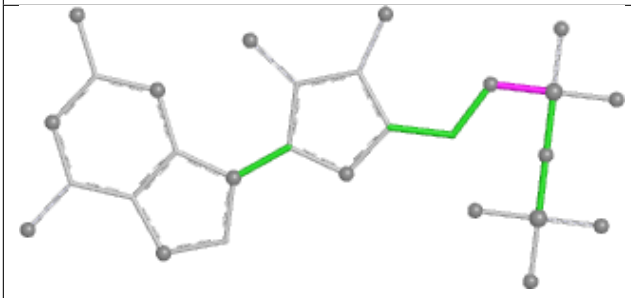
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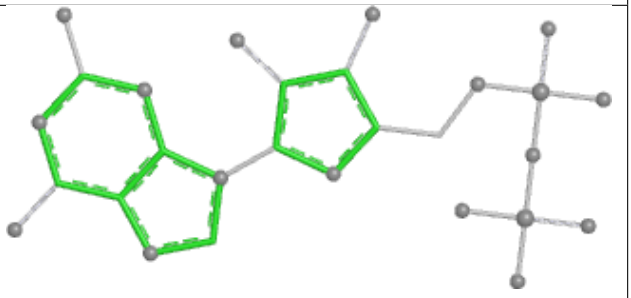
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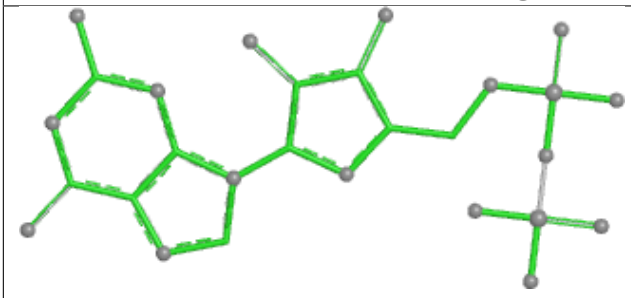


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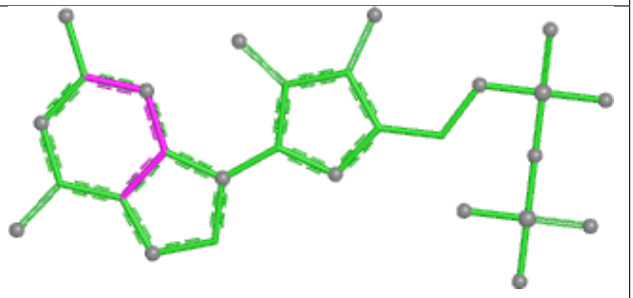


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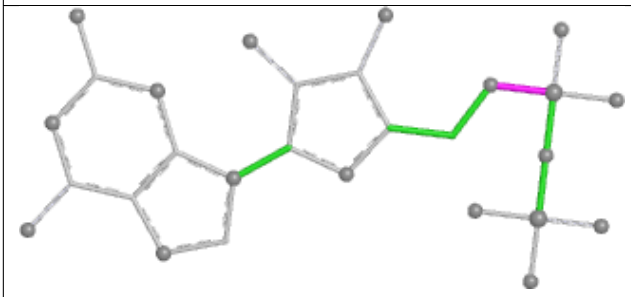
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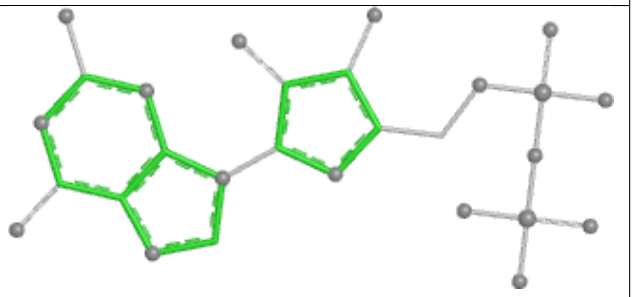
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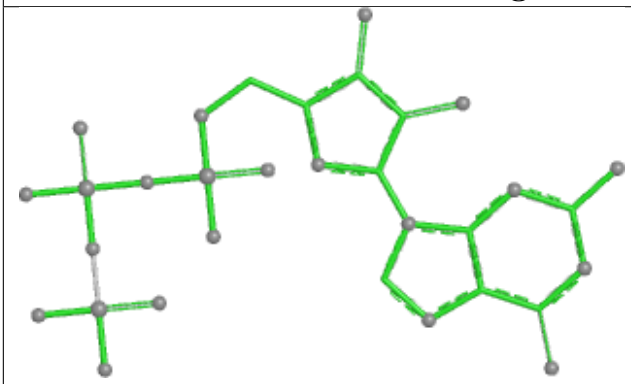


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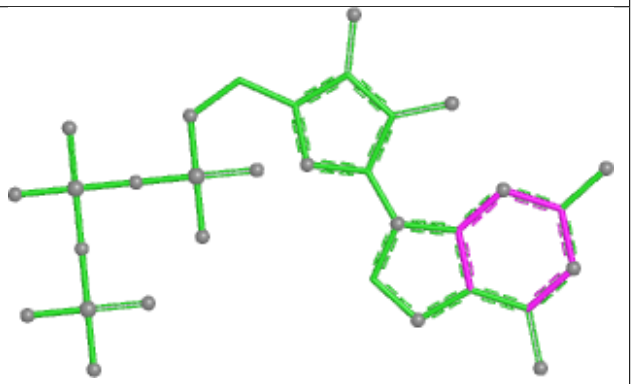


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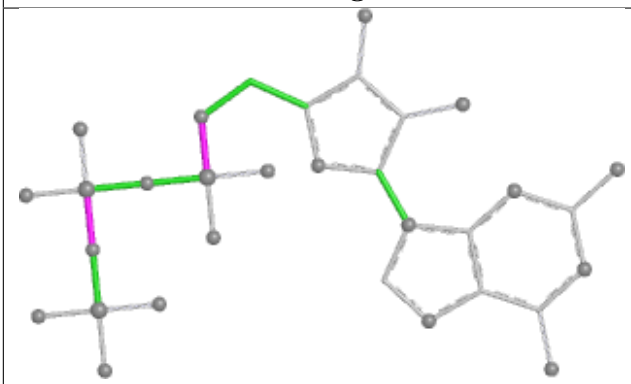
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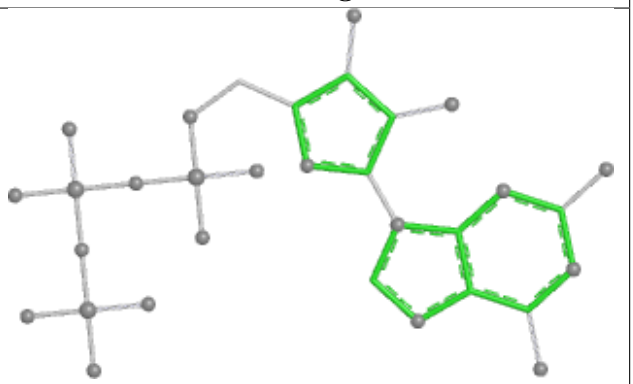
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Bond angles

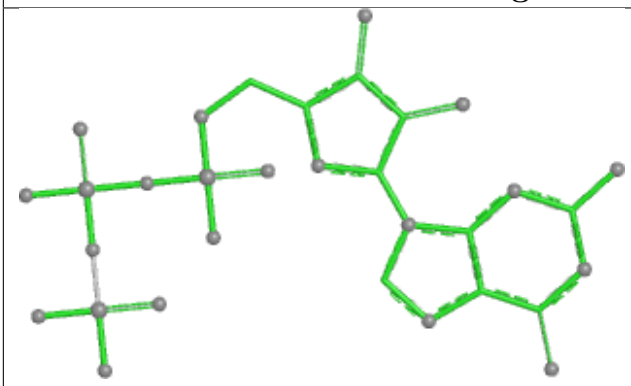


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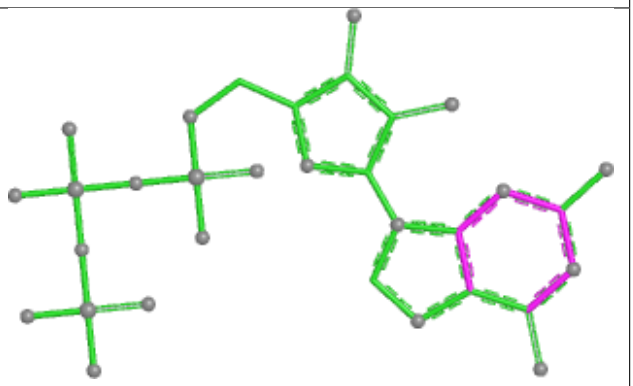


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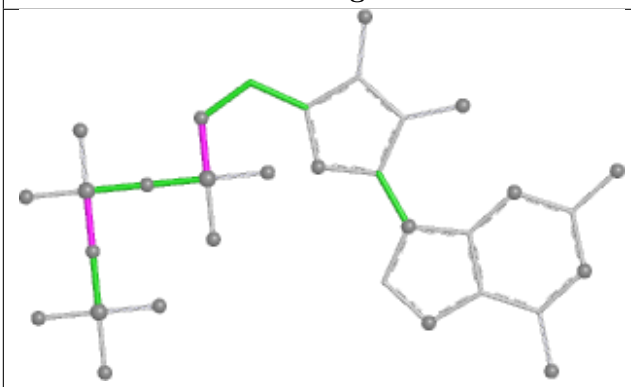
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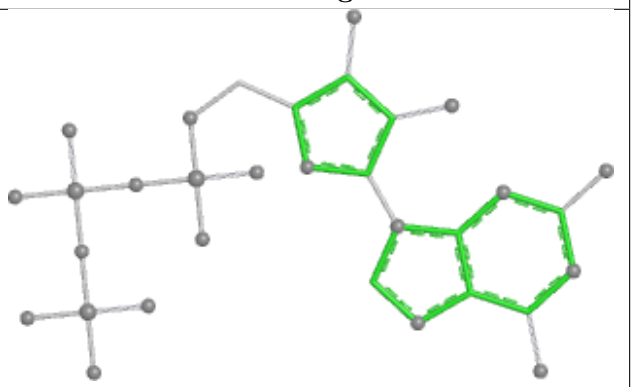
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Bond angles

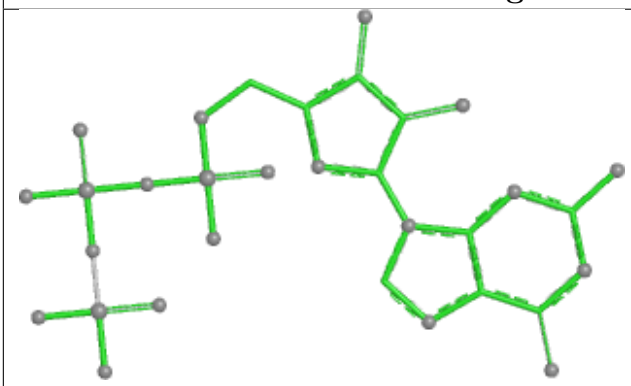


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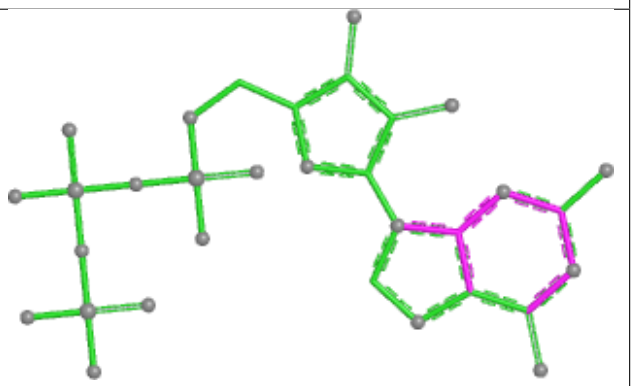


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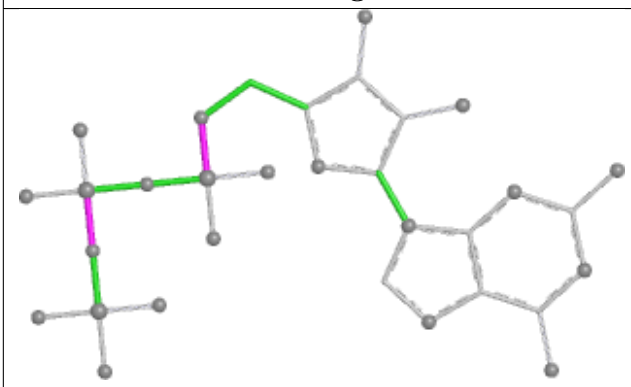
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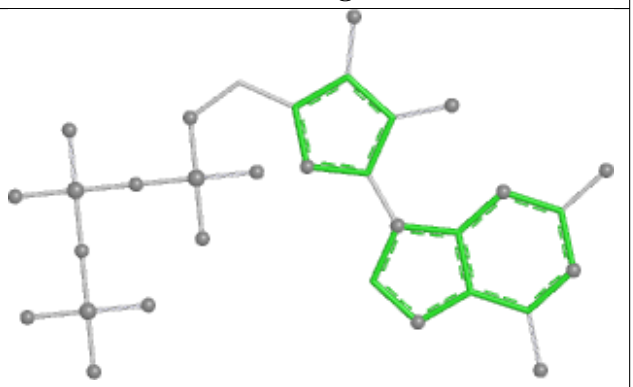
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Bond angles

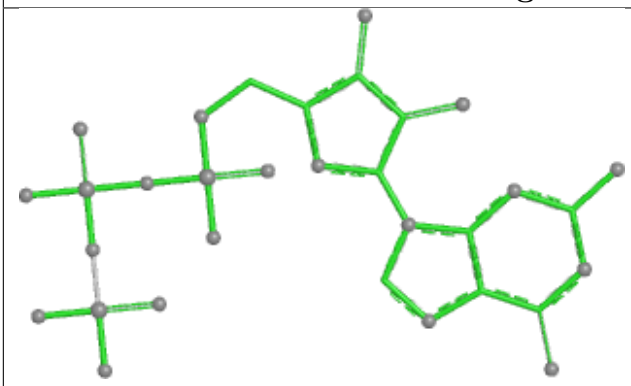


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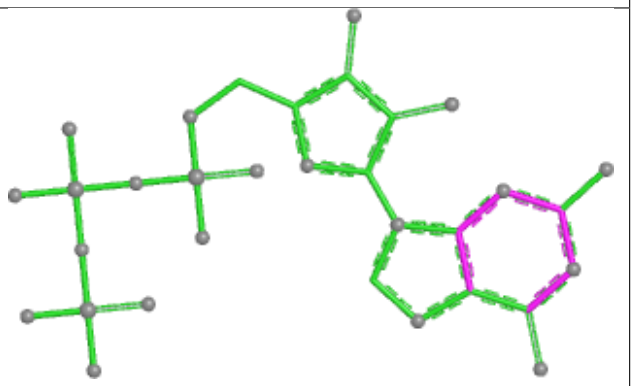


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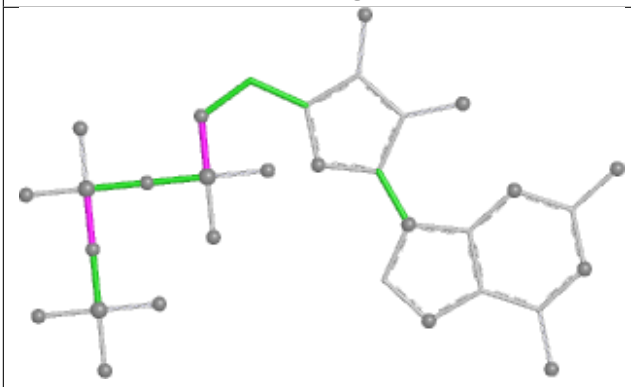
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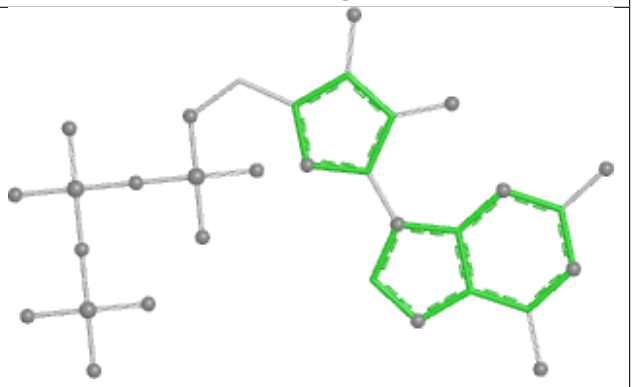
Bond lengths



Bond angles

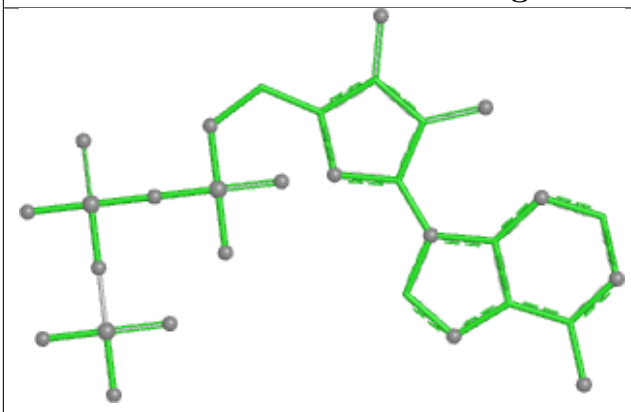


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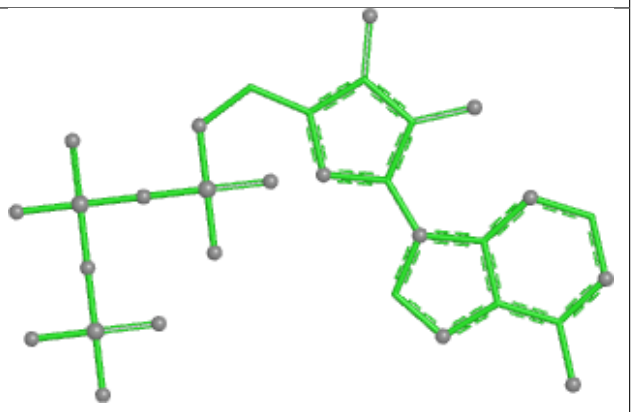


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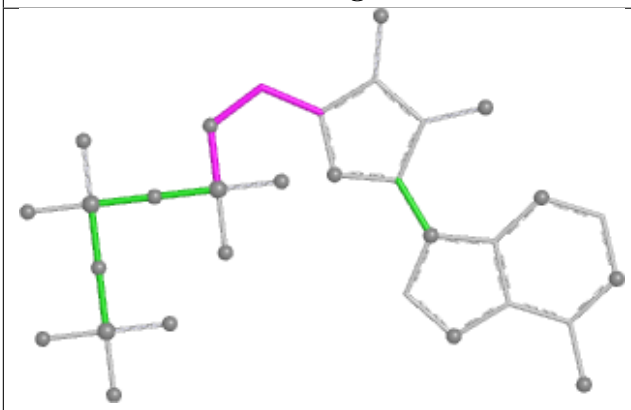
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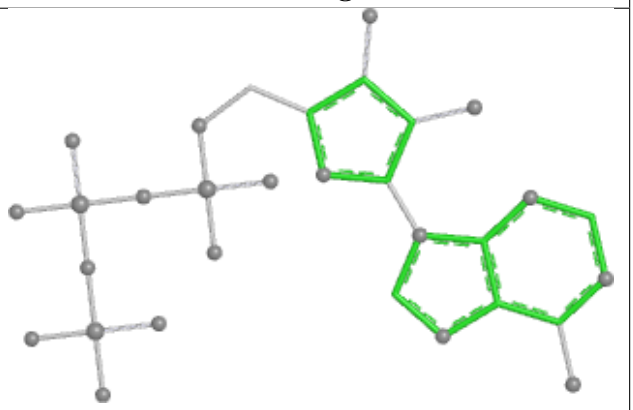
Bond lengths



Bond angles

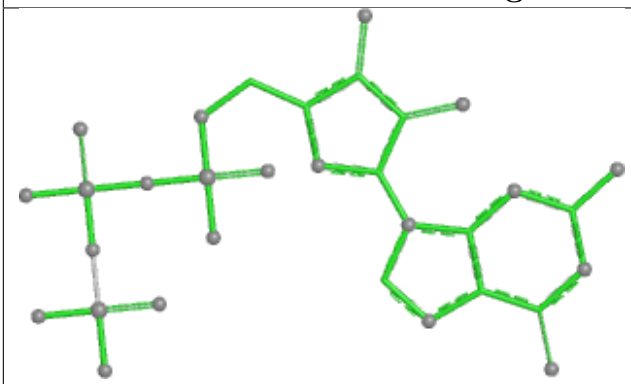


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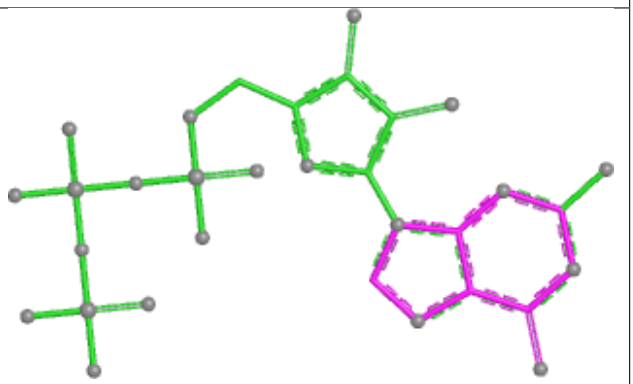


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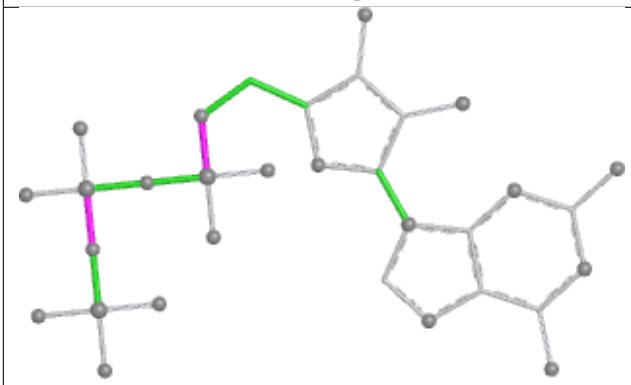
Ligand GTP WA 602



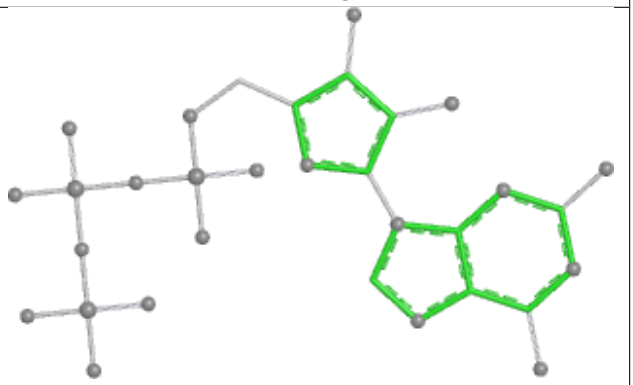
Bond lengths



Bond angles

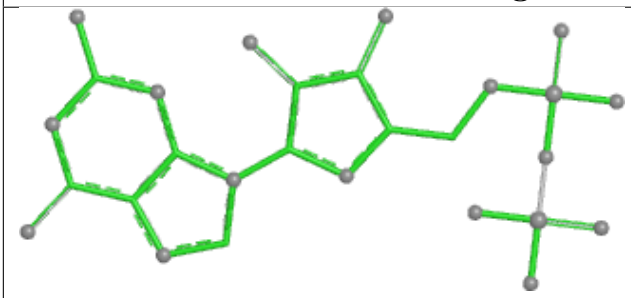


Torsions

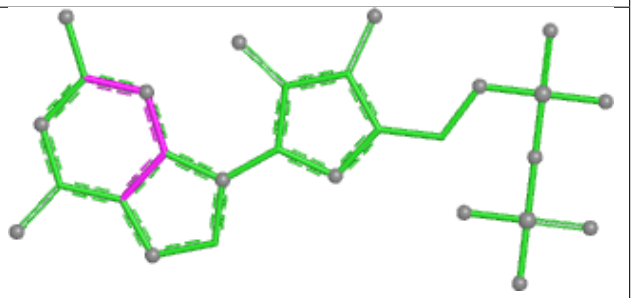


Rings

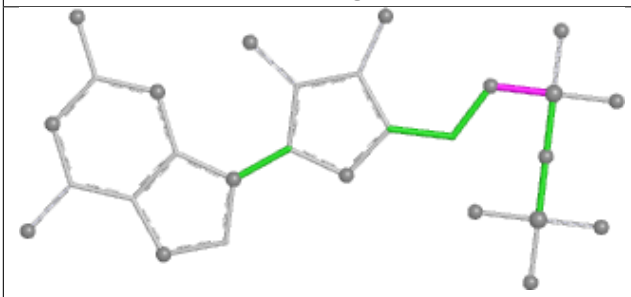
Ligand GDP JO 501



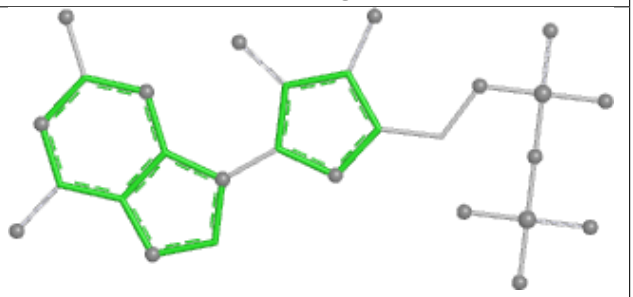
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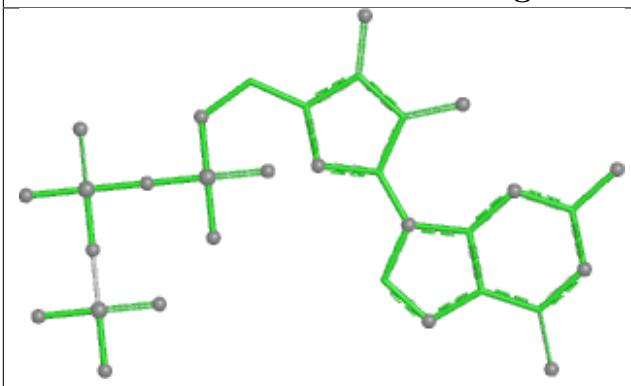


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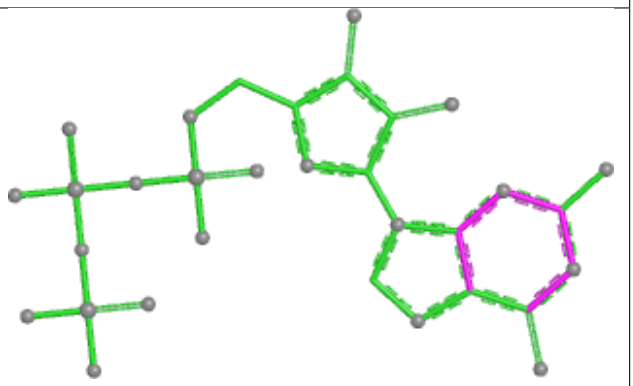


Rings

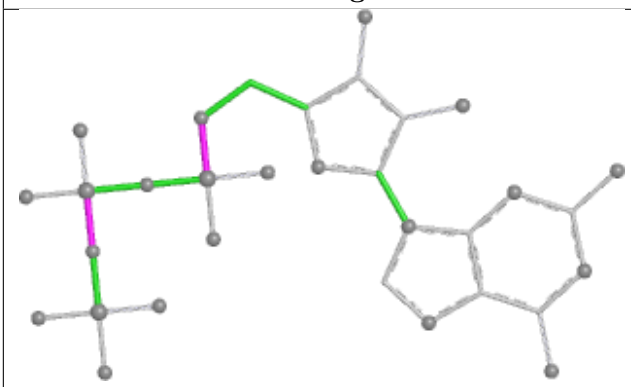
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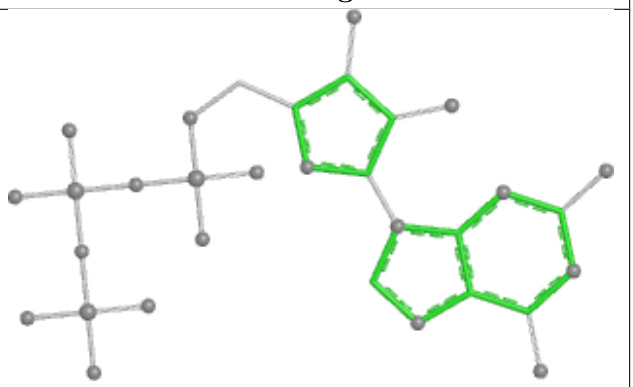
Bond lengths



Bond angles

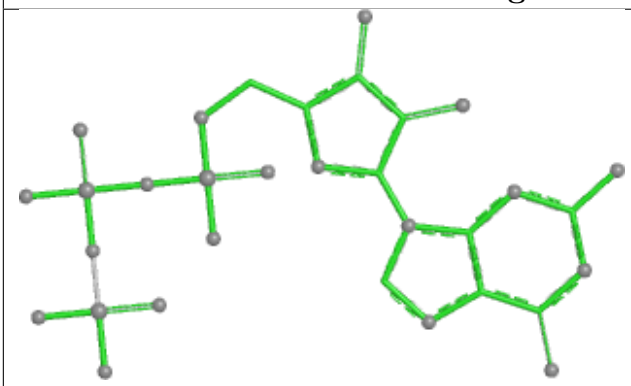


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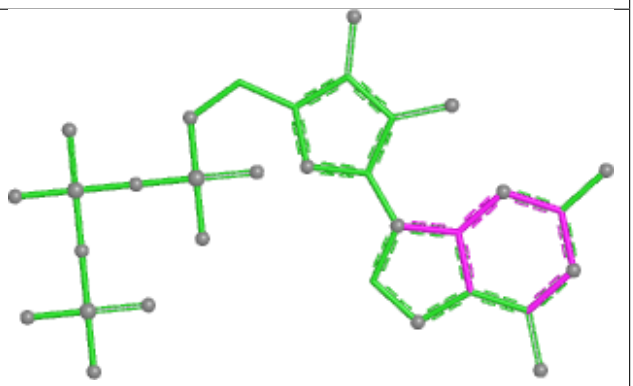


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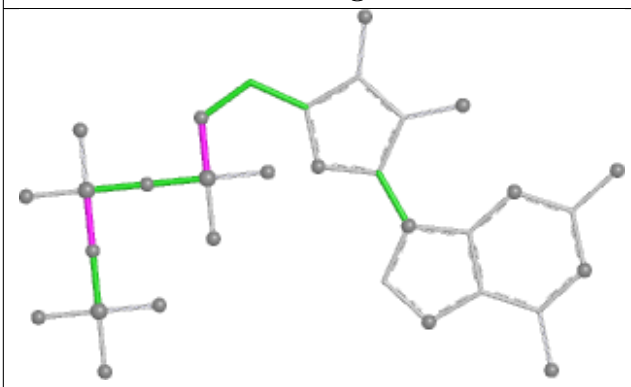
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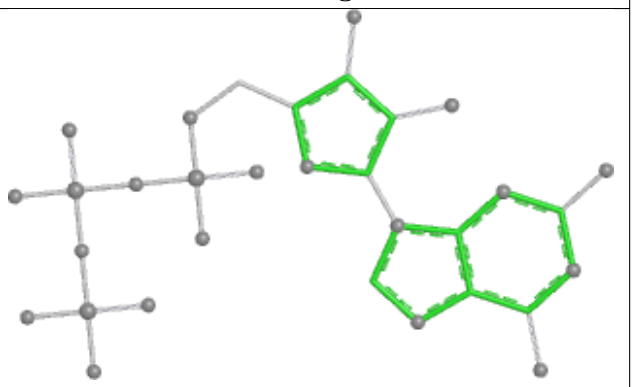
Bond lengths



Bond angles

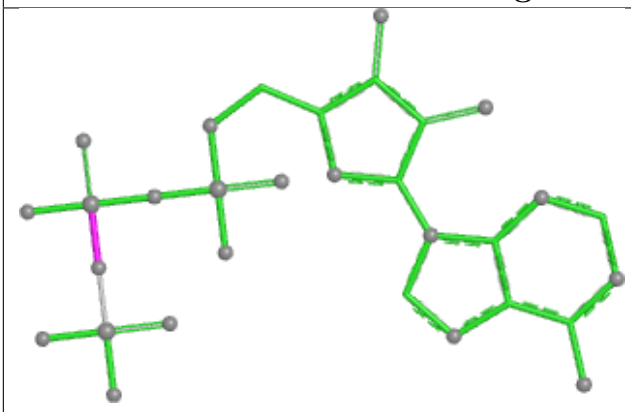


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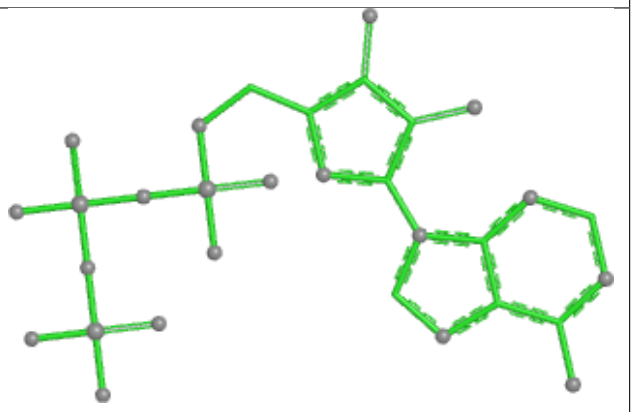


Rings

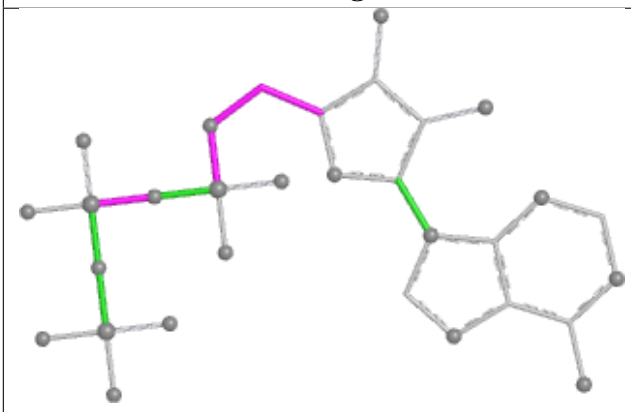
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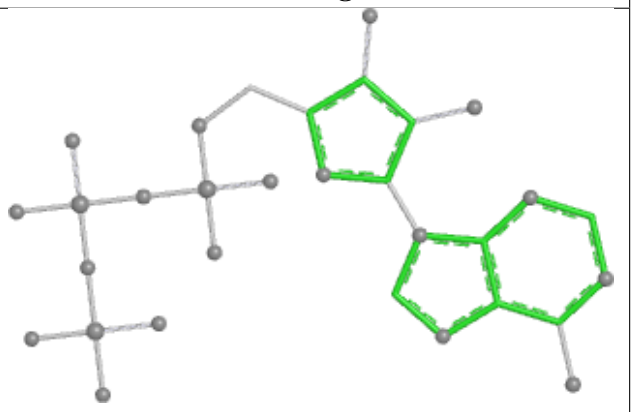
Bond lengths



Bond angles

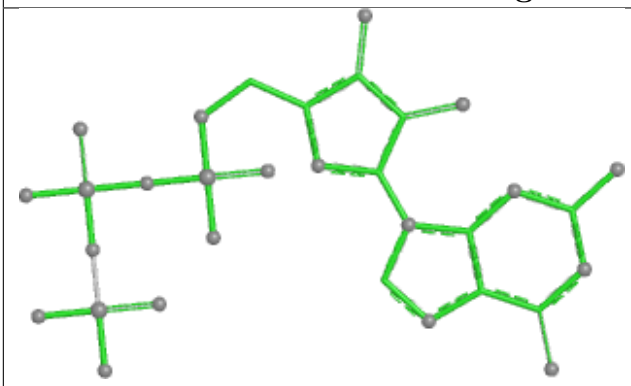


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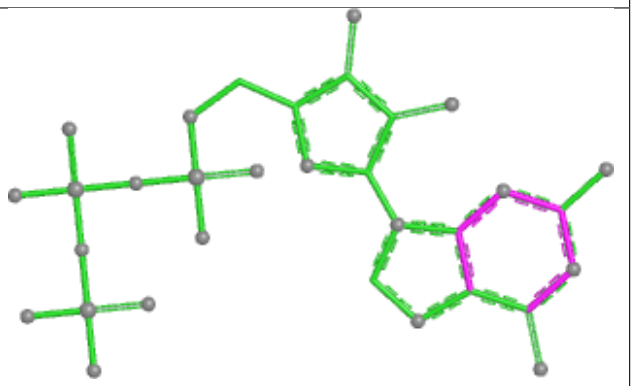


Rings

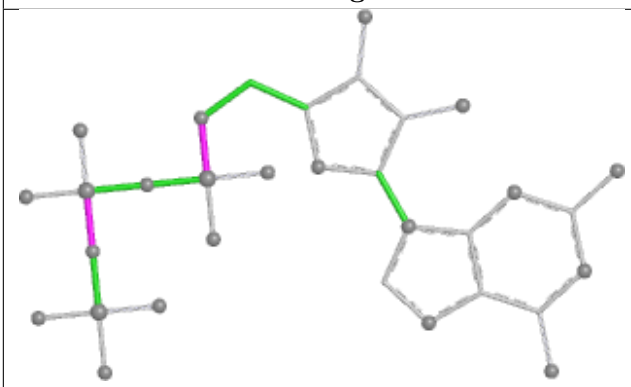
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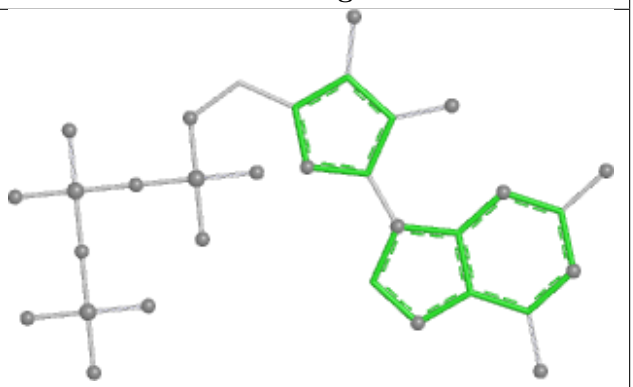
Bond lengths



Bond angles

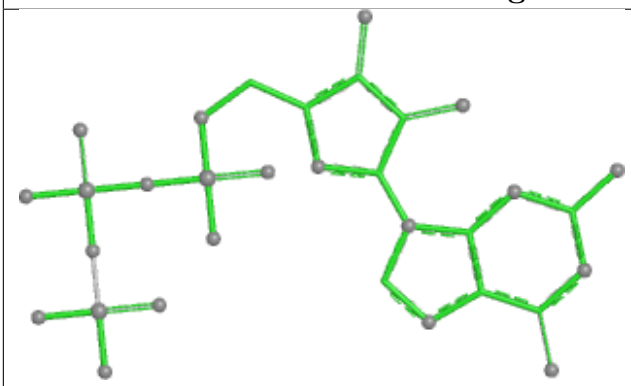


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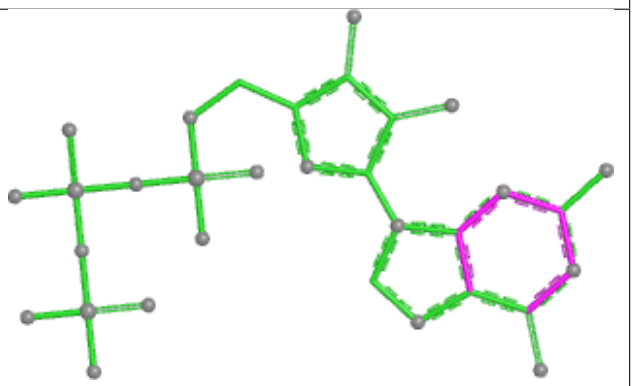


Rings

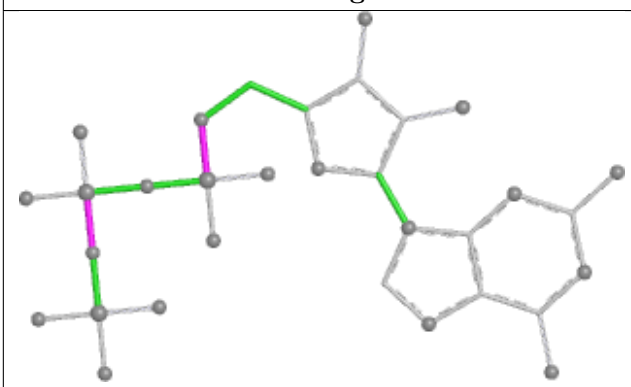
Ligand GTP AH 501



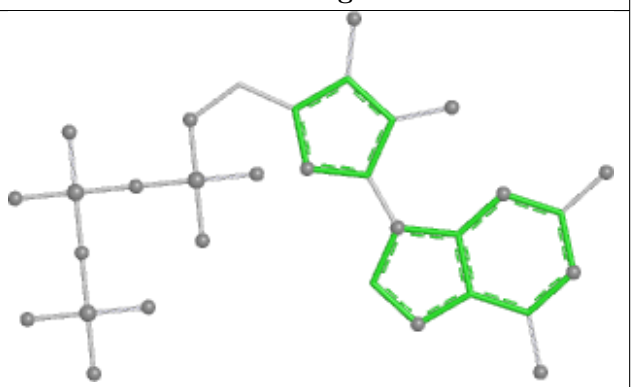
Bond lengths



Bond angles

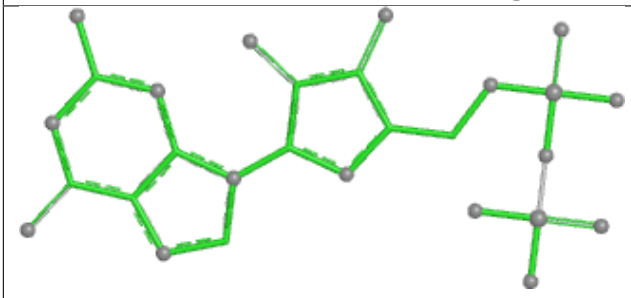


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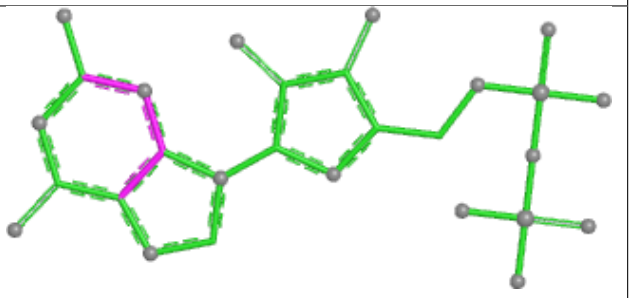


Rings

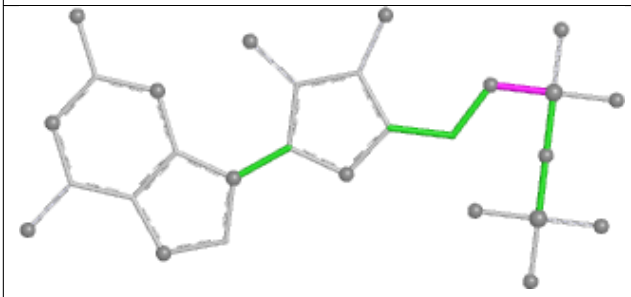
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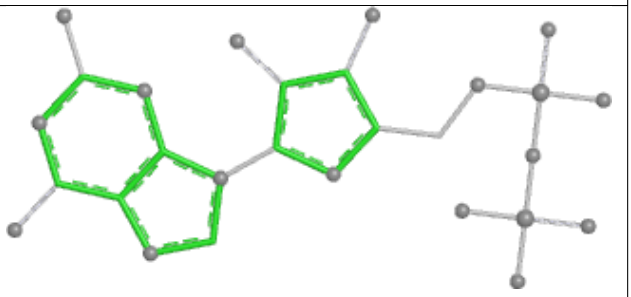
Bond lengths



Bond angles

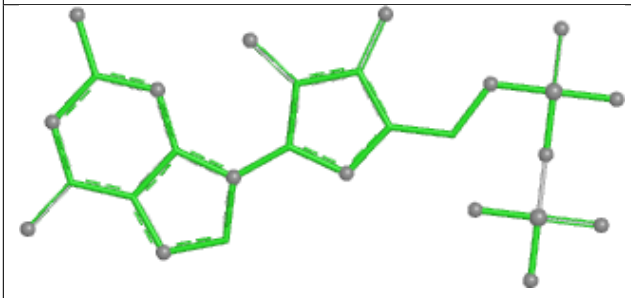


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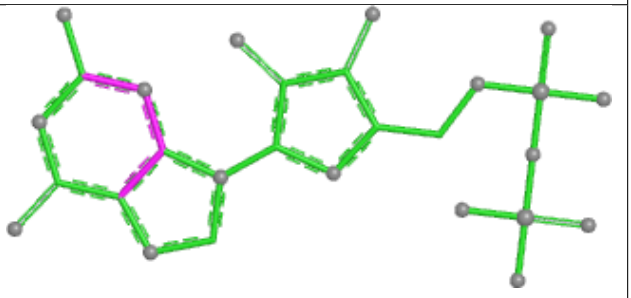


Rings

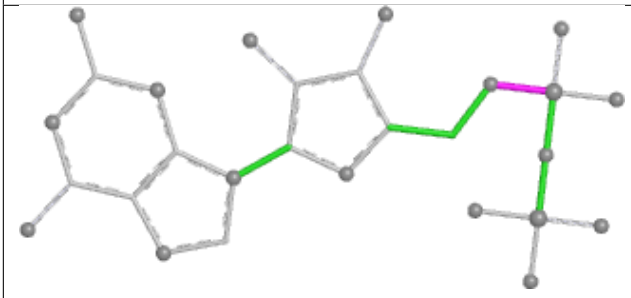
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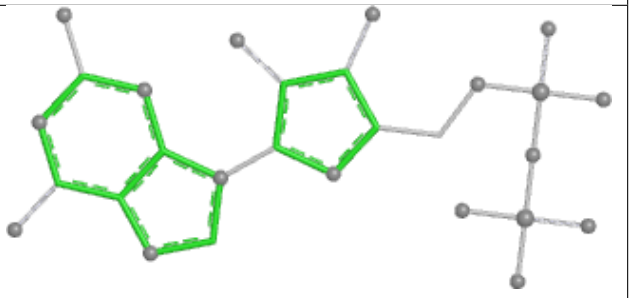
Bond lengths



Bond angles

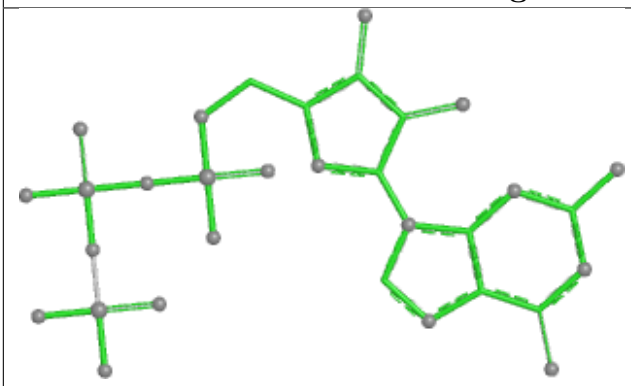


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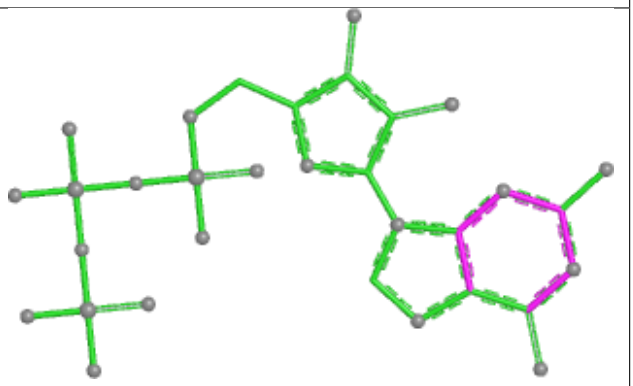


Rings

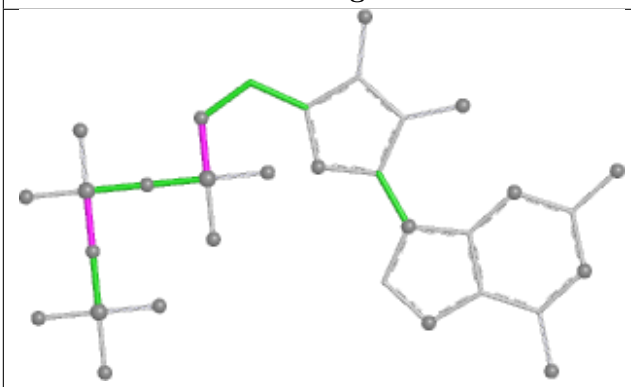
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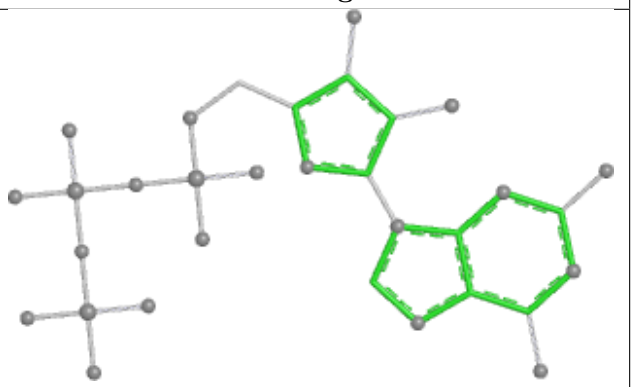
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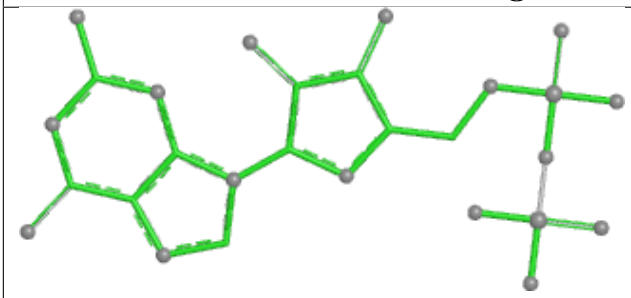


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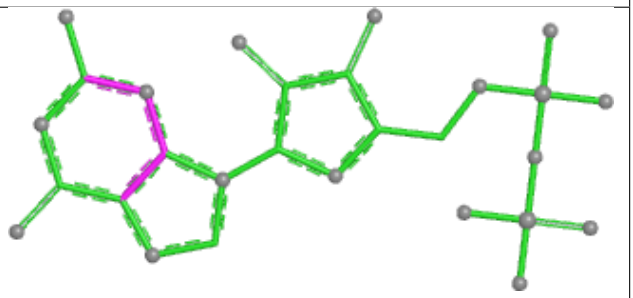


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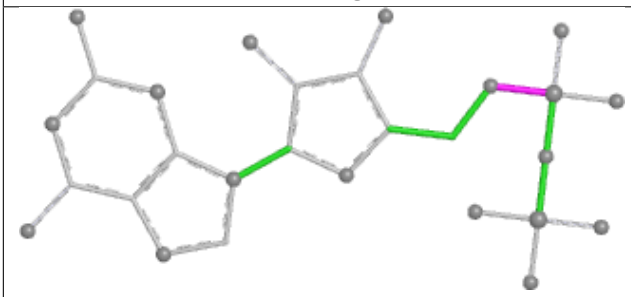
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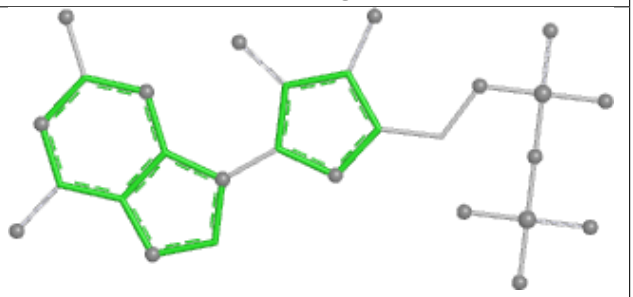
Bond lengths



Bond angles

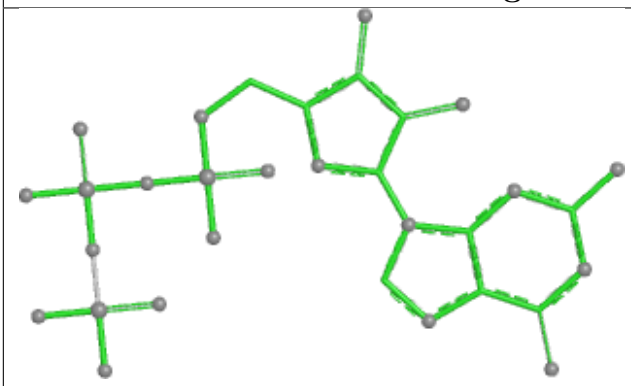


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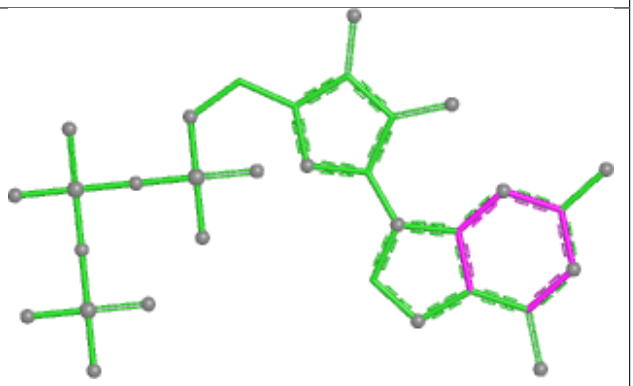


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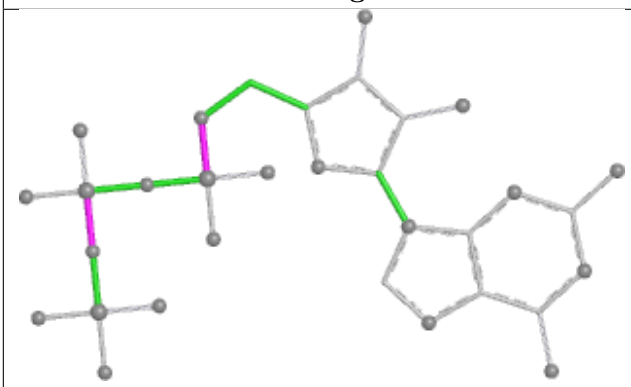
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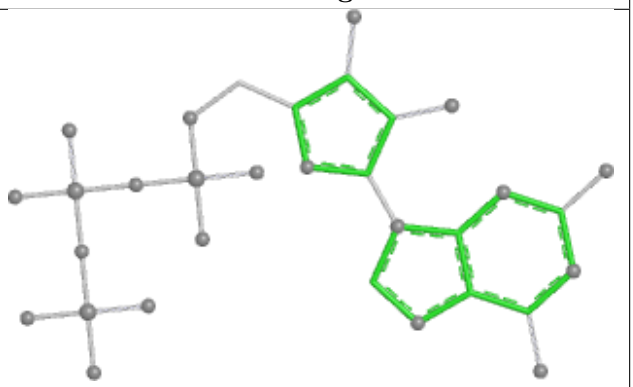
Bond lengths



Bond angles

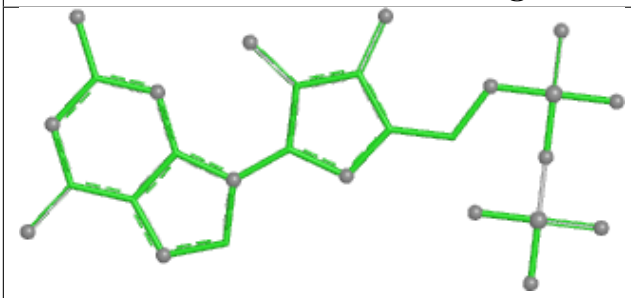


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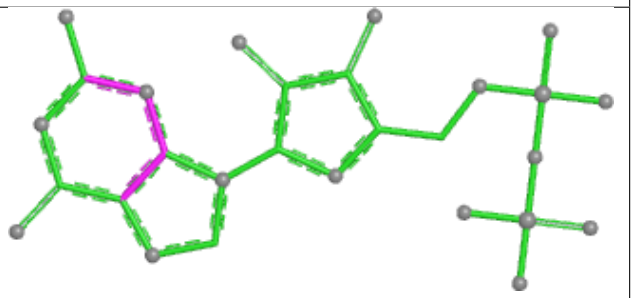


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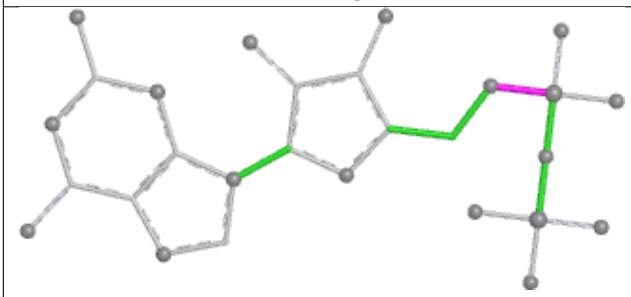
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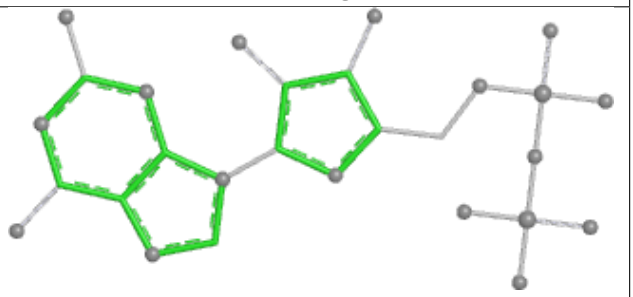
Bond lengths



Bond angles

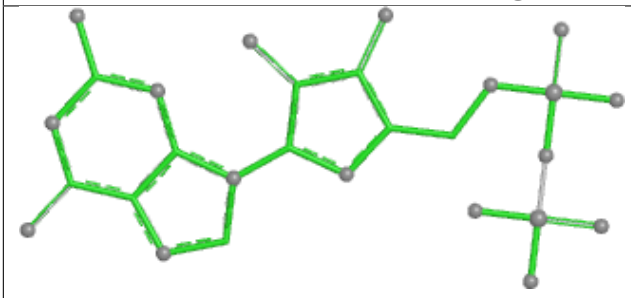


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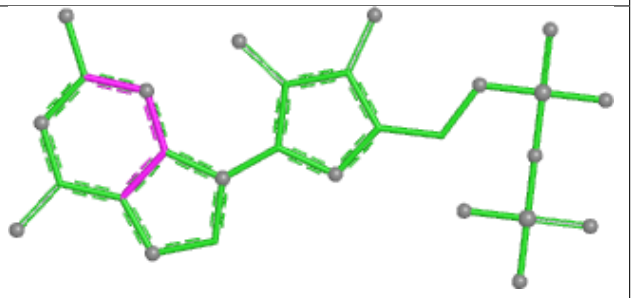


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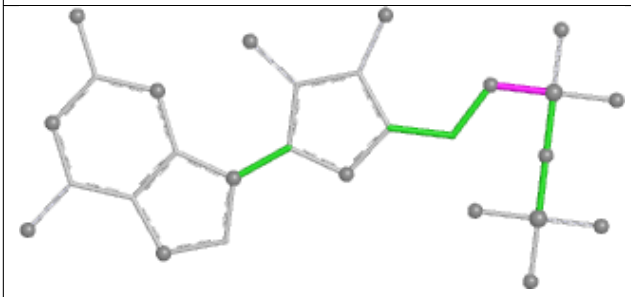
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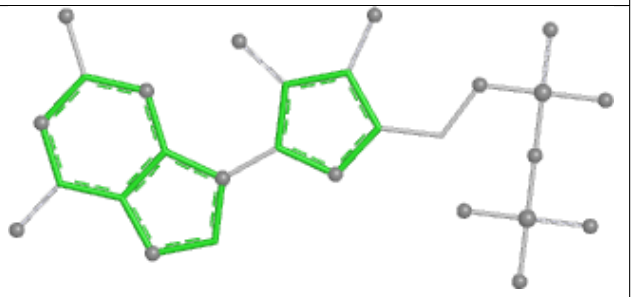
Bond lengths



Bond angles

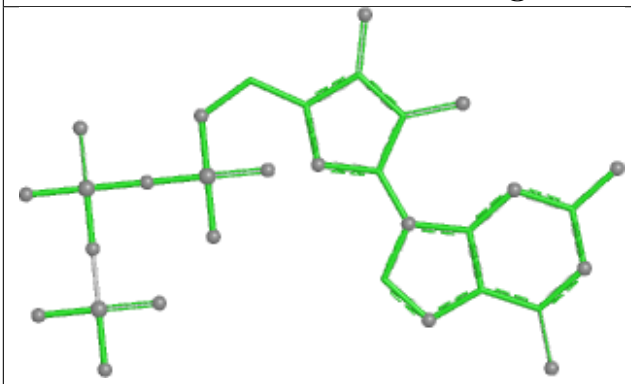


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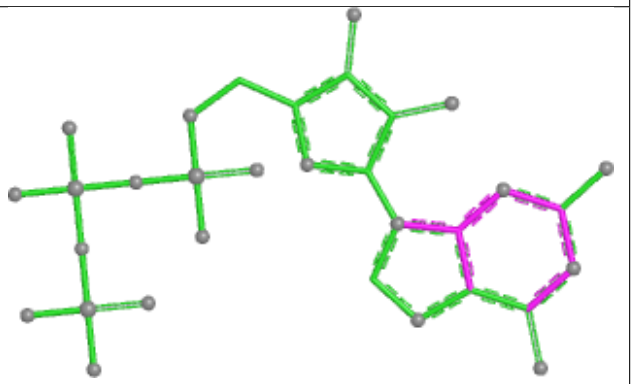


Rings

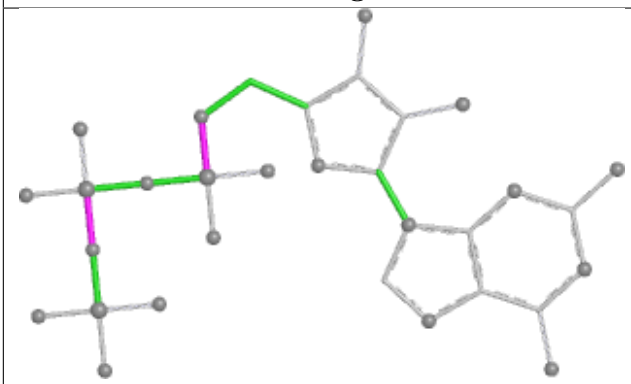
Ligand GTP YV 602



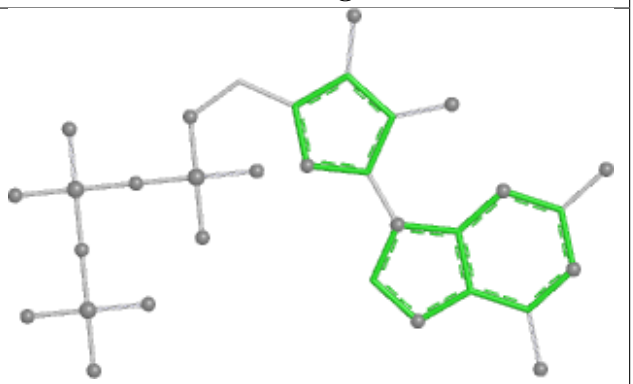
Bond lengths



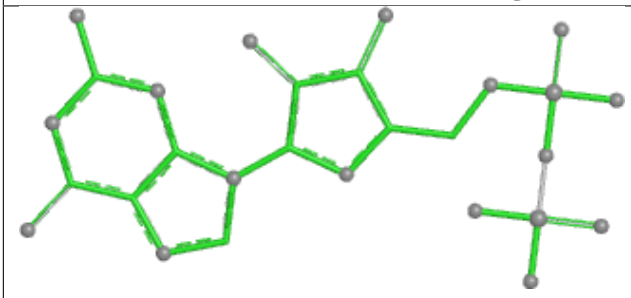
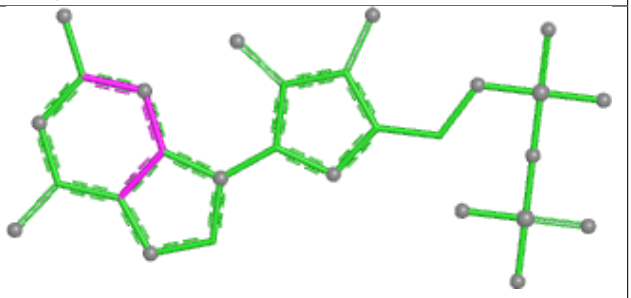
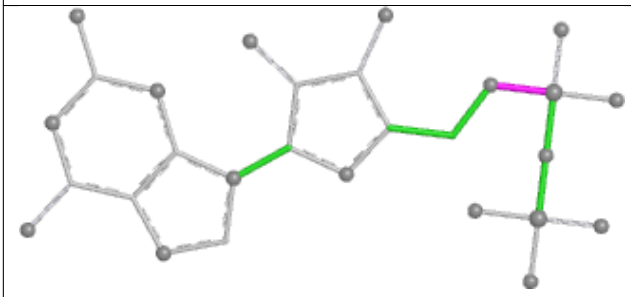
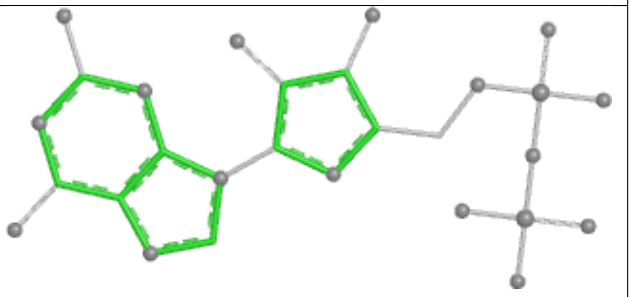
Bond angles

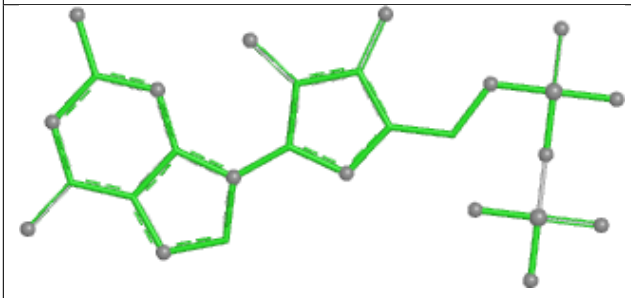
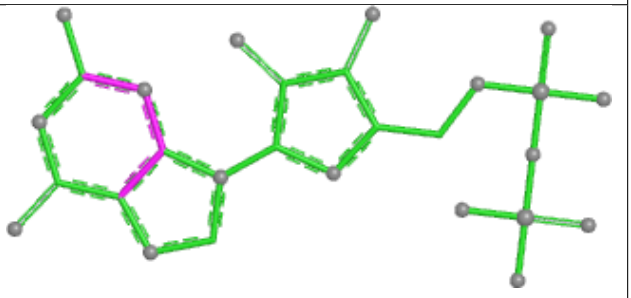
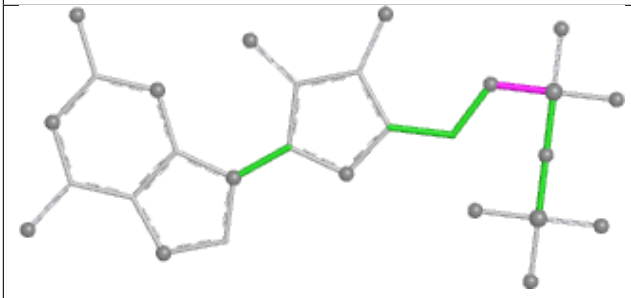
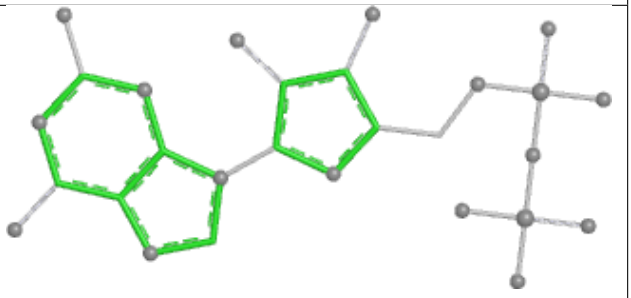


Torsions

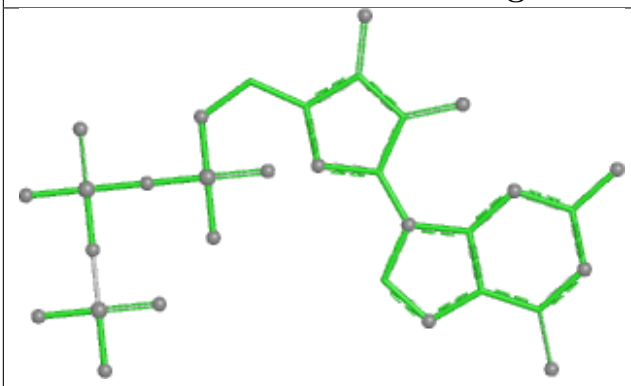


Rings

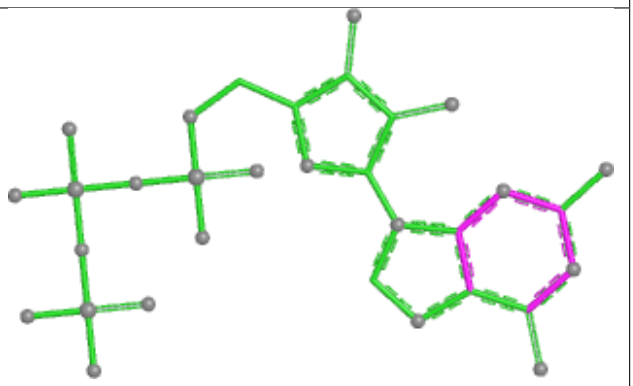
Ligand GDP QB 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP ST 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

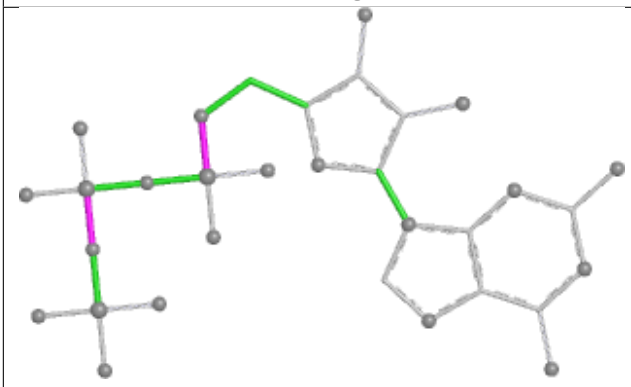
Ligand GTP MF 602



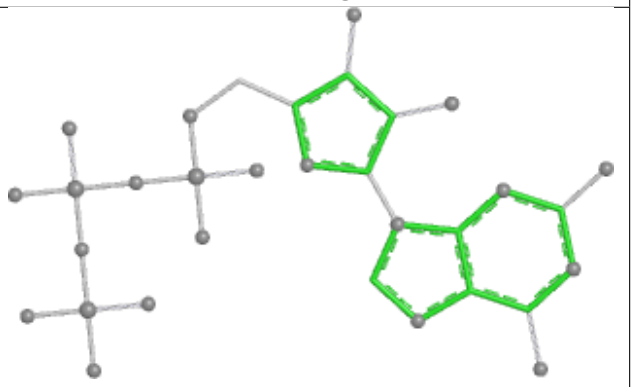
Bond lengths



Bond angles

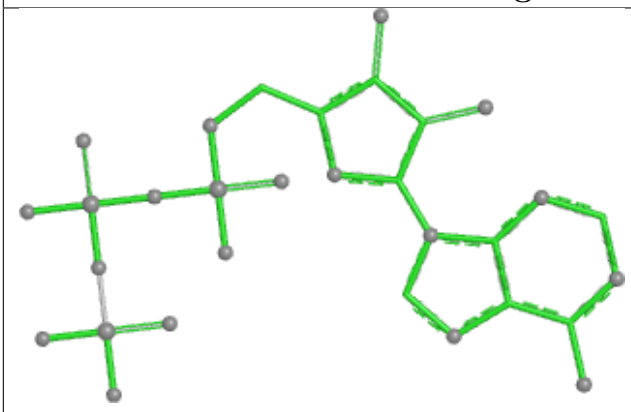


Torsions

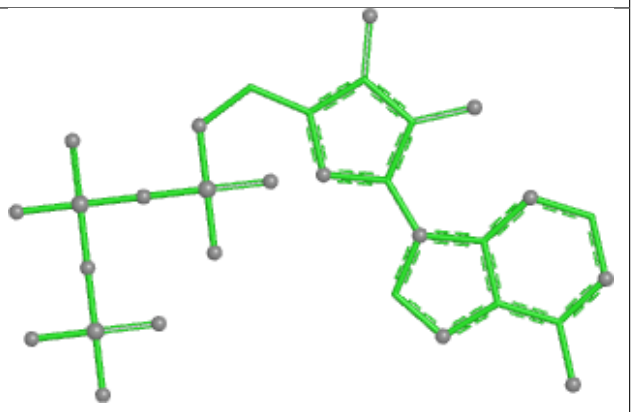


Rings

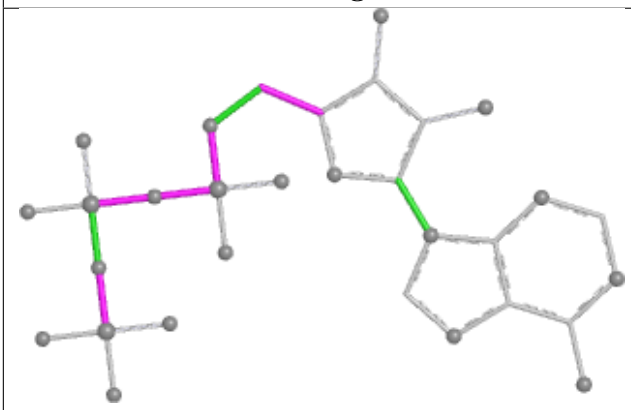
Ligand ATP 7f 4703



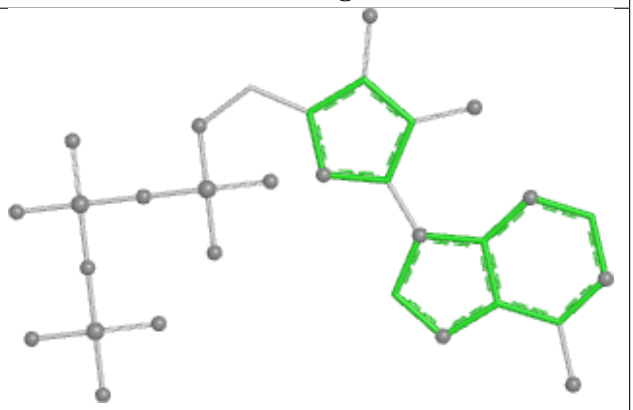
Bond lengths



Bond angles

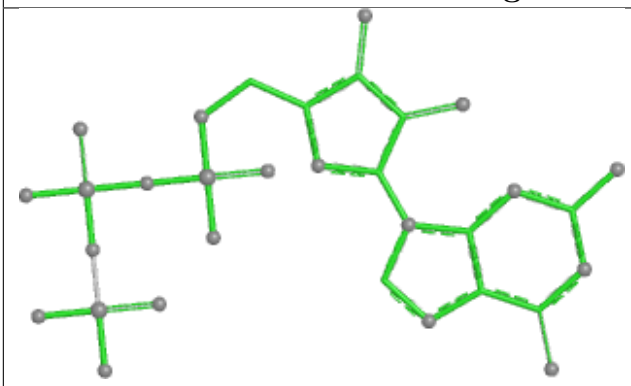


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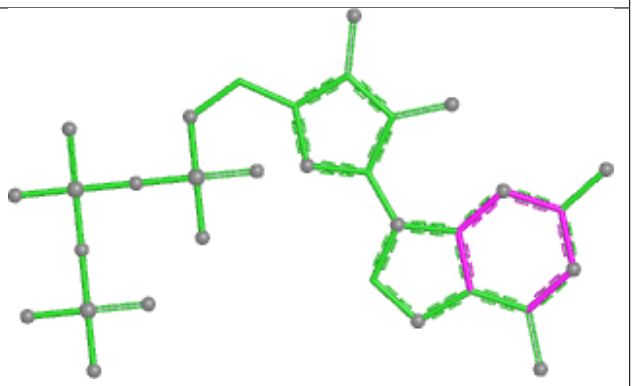


Rings

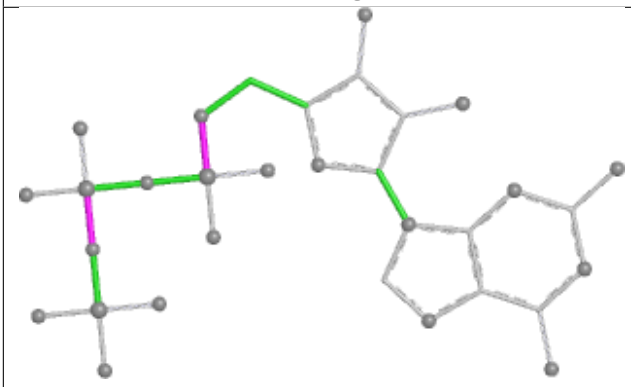
Ligand GTP UW 602



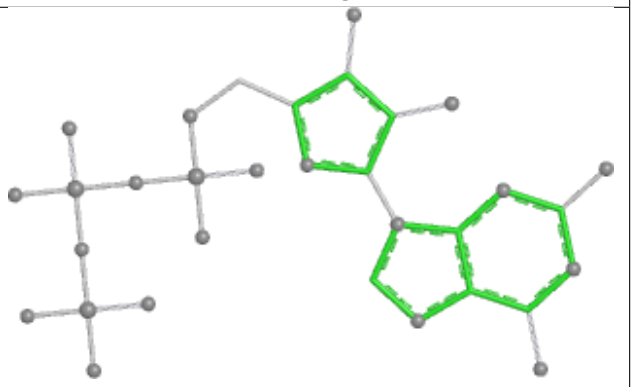
Bond lengths



Bond angles

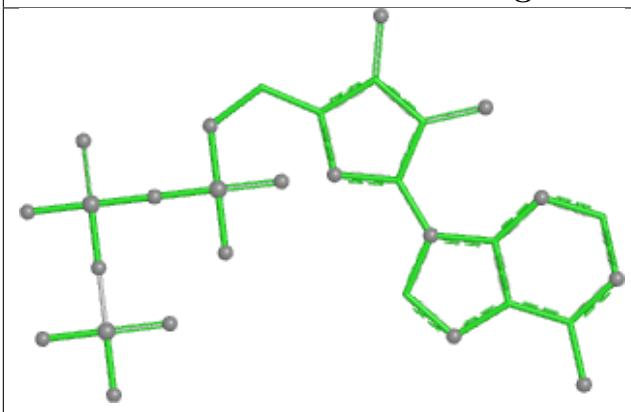


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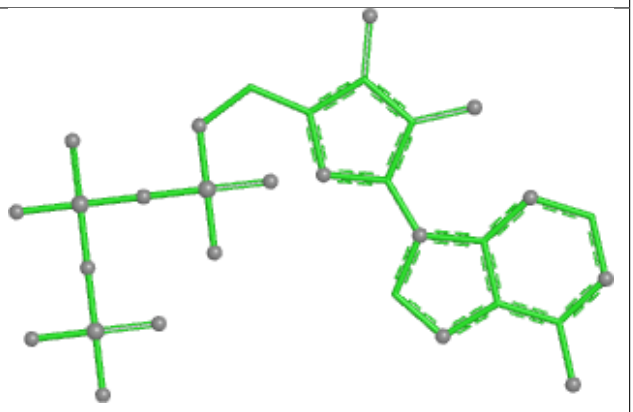


Rings

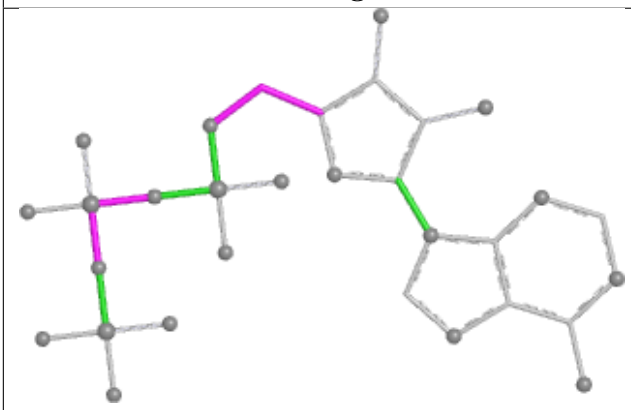
Ligand ATP 9f 4703



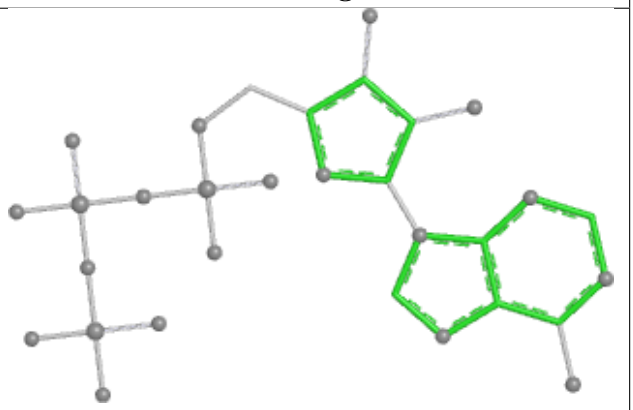
Bond lengths



Bond angles

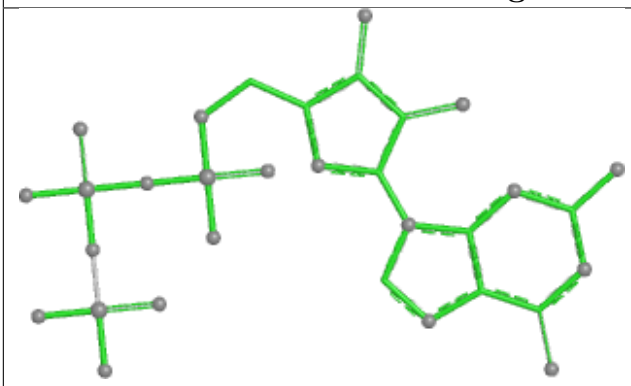


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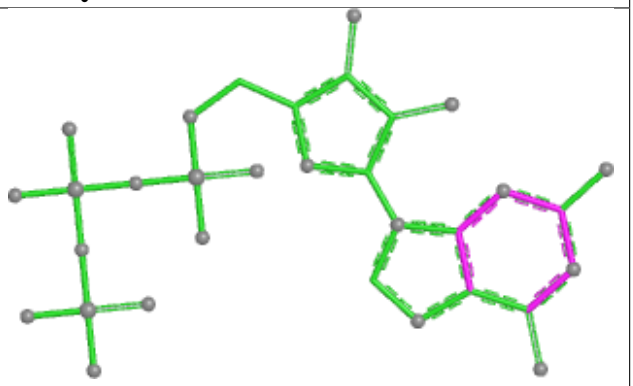


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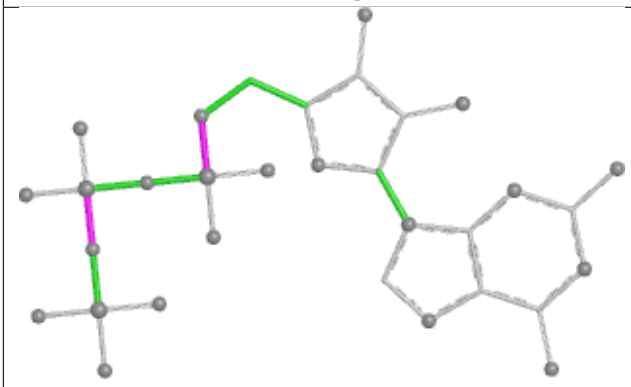
Ligand GTP GQ 602



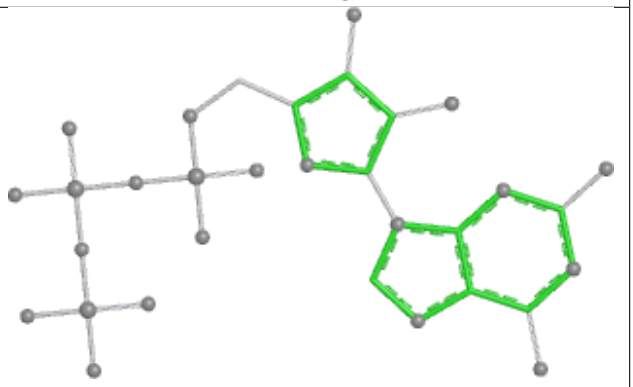
Bond lengths



Bond angles

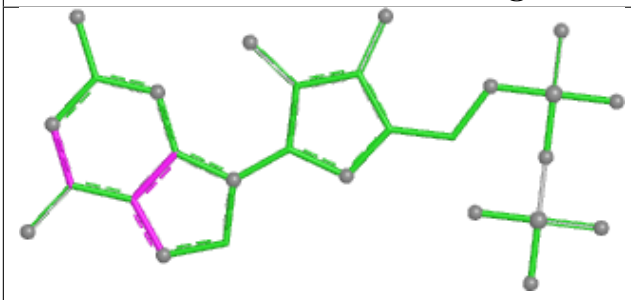


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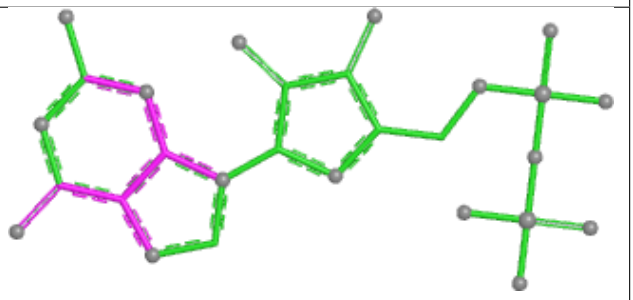


Rings

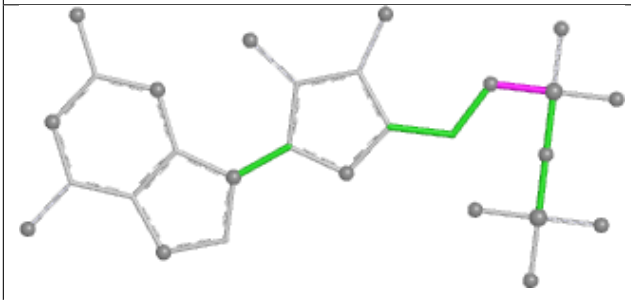
Ligand GDP AO 501



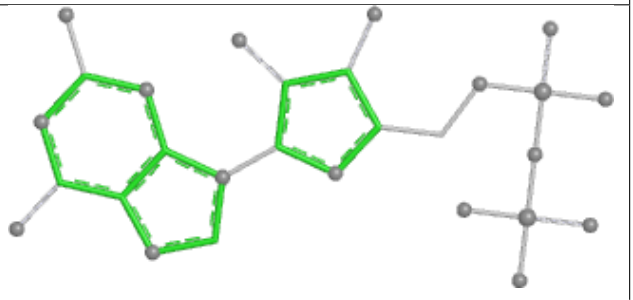
Bond lengths



Bond angles

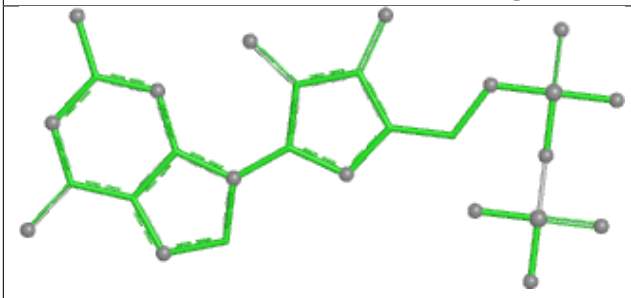


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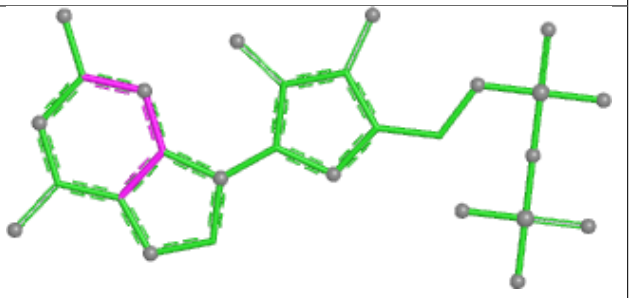


Rings

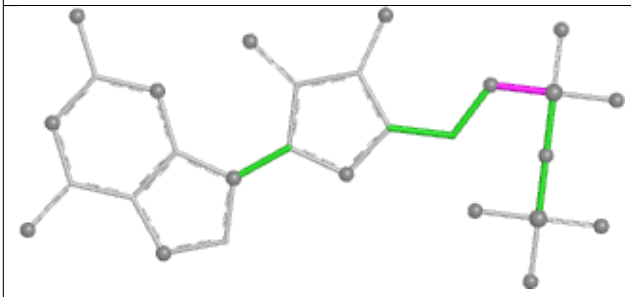
Ligand GDP CO 501



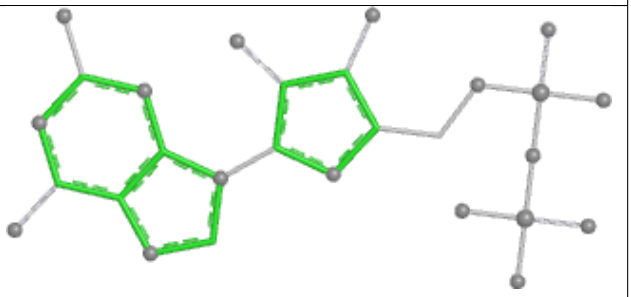
Bond lengths



Bond angles

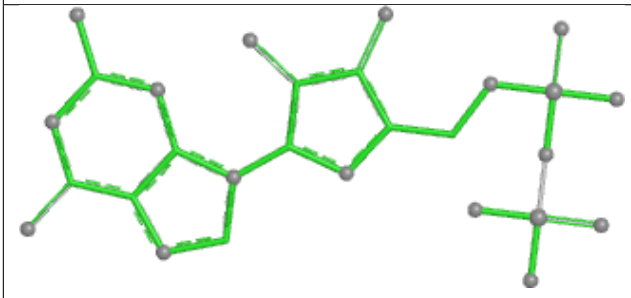


Torsions

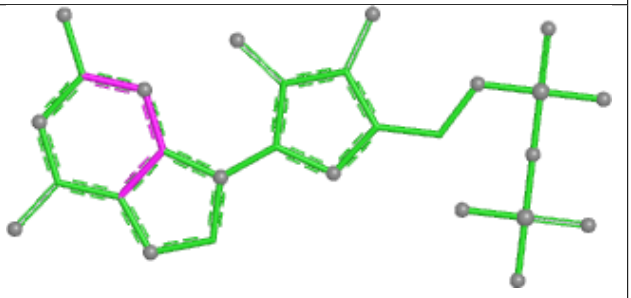


Rings

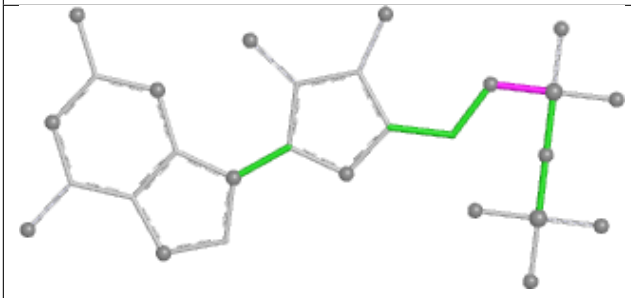
Ligand GDP GJ 501



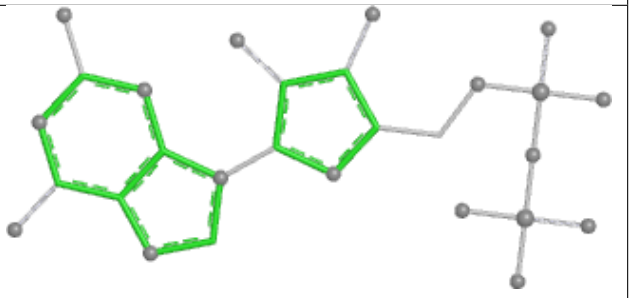
Bond lengths



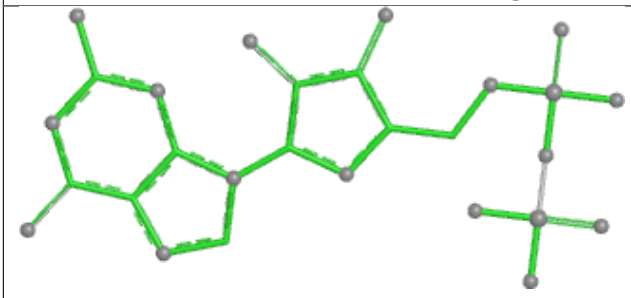
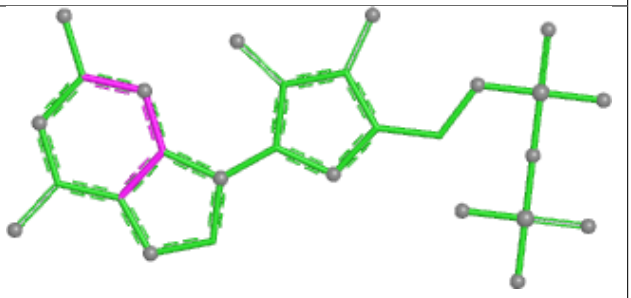
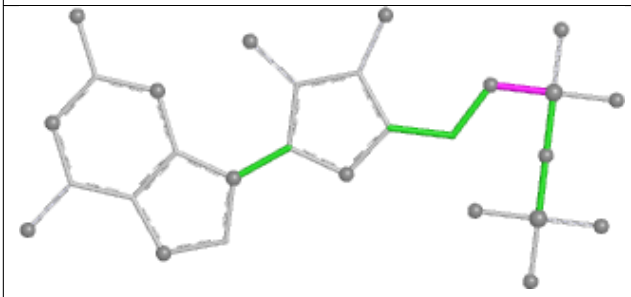
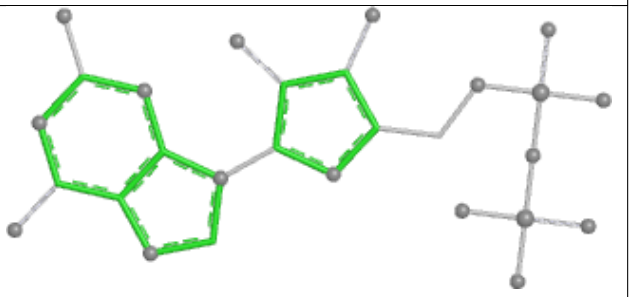
Bond angles

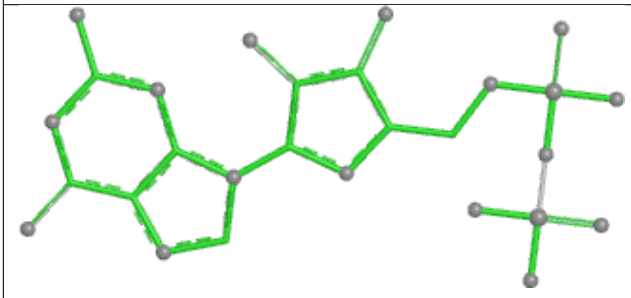
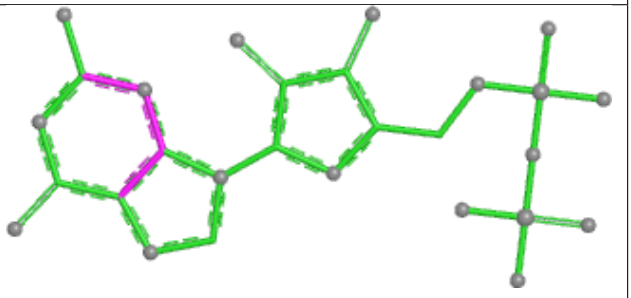
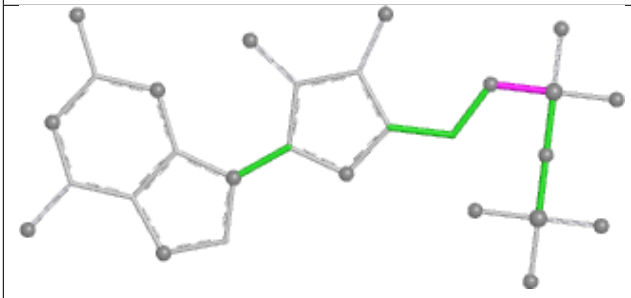
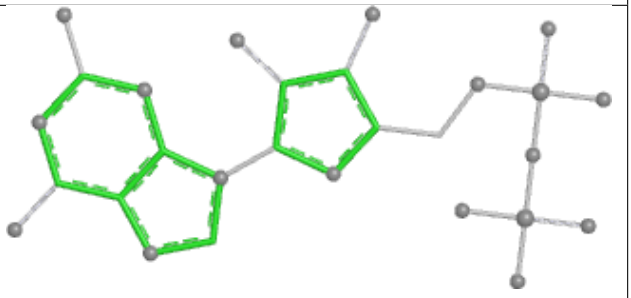


Torsions

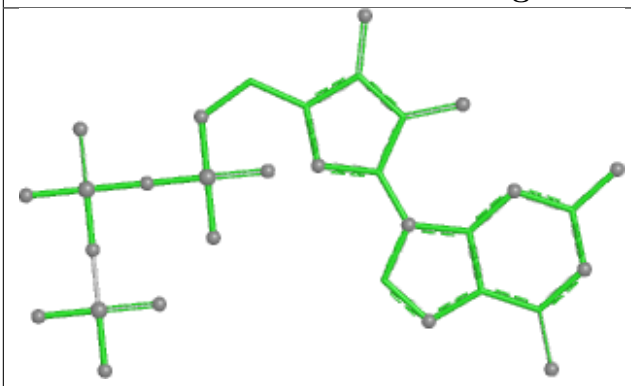


Rings

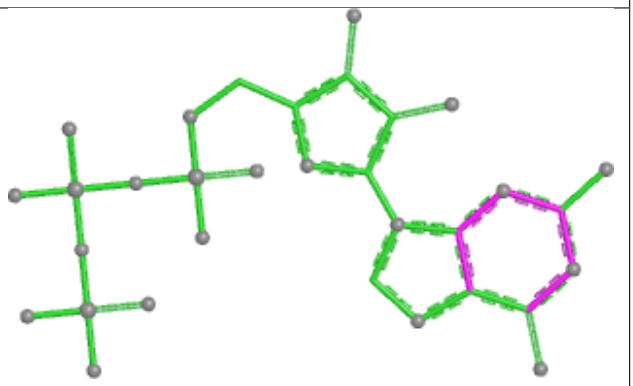
Ligand GDP OK 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP MM 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

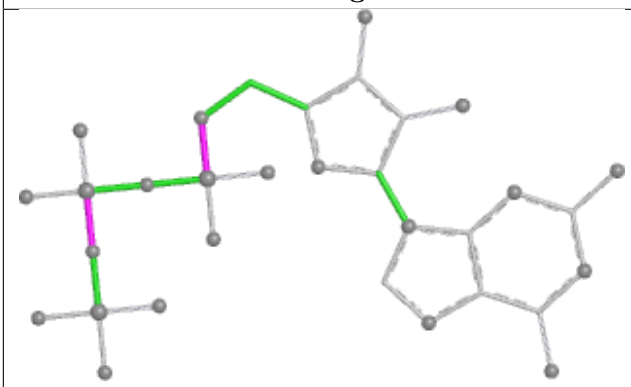
Ligand GTP RS 501



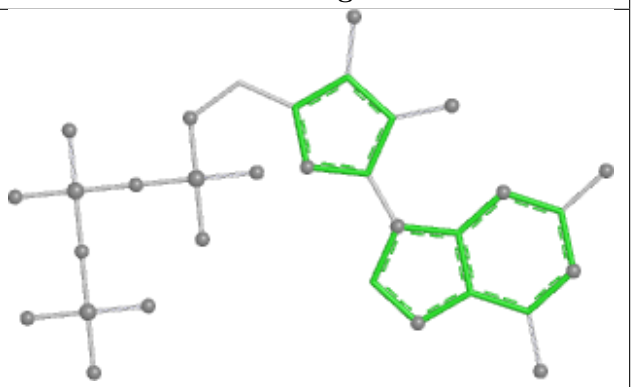
Bond lengths



Bond angles

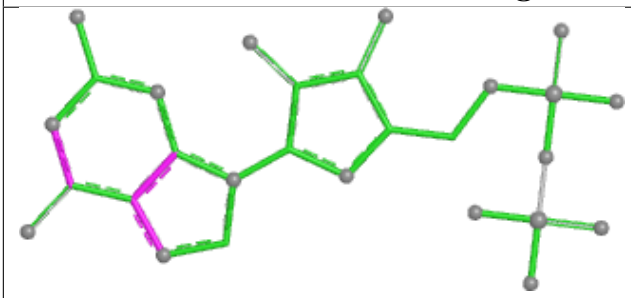


Torsions

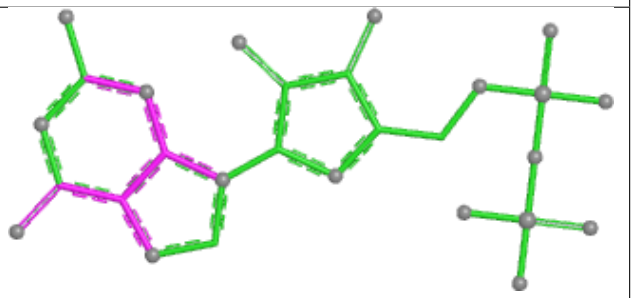


Rings

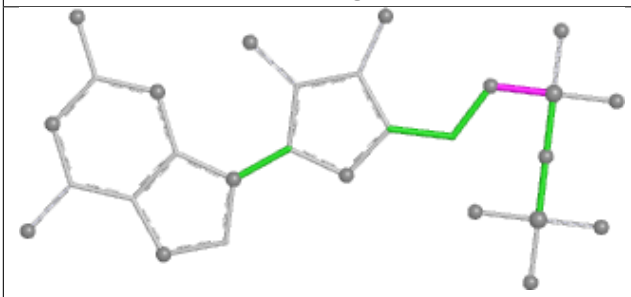
Ligand GDP JS 501



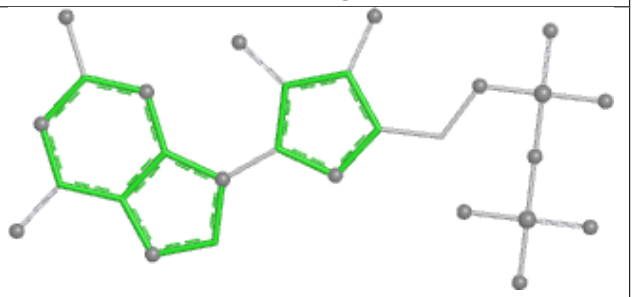
Bond lengths



Bond angles

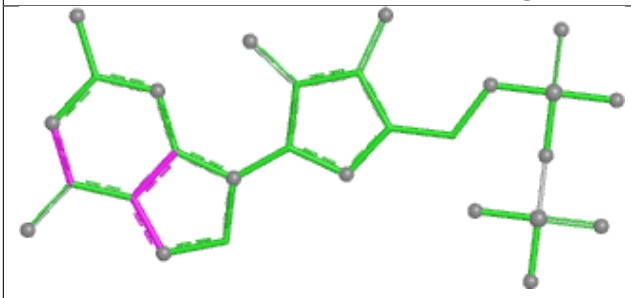


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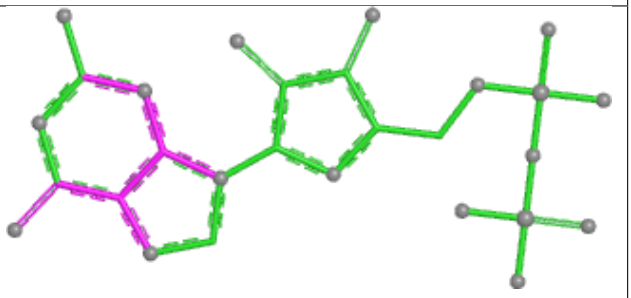


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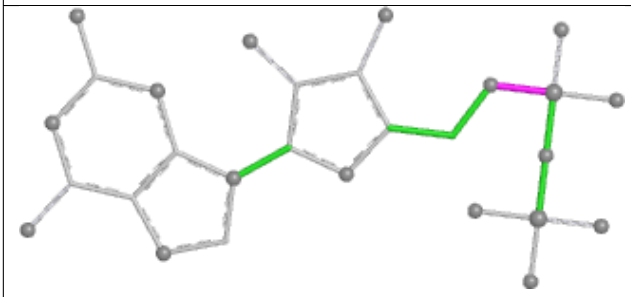
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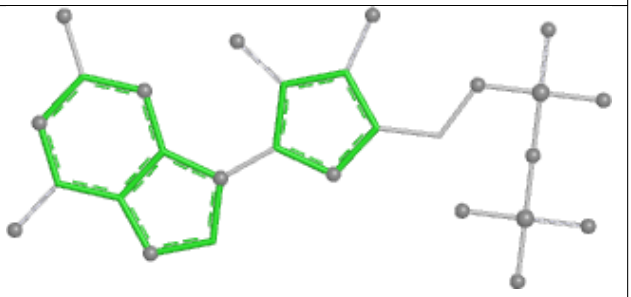
Bond lengths



Bond angles

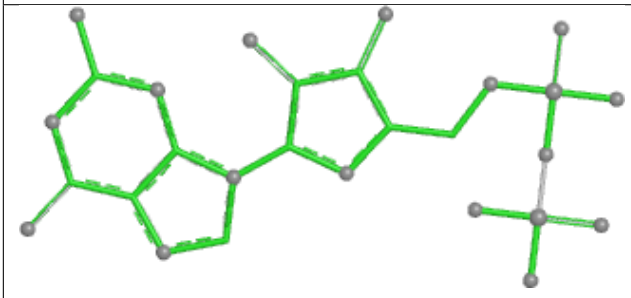


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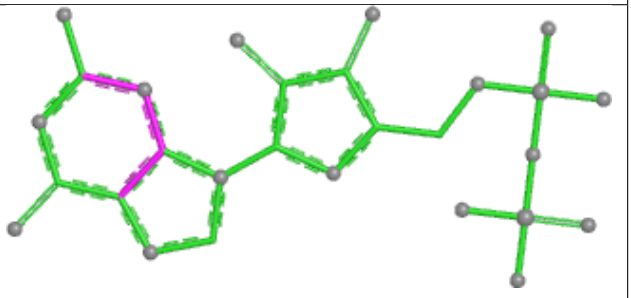


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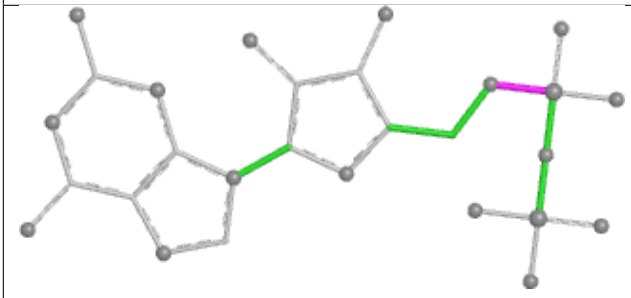
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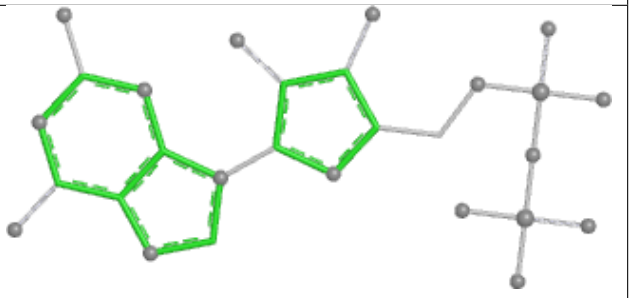
Bond lengths



Bond angles

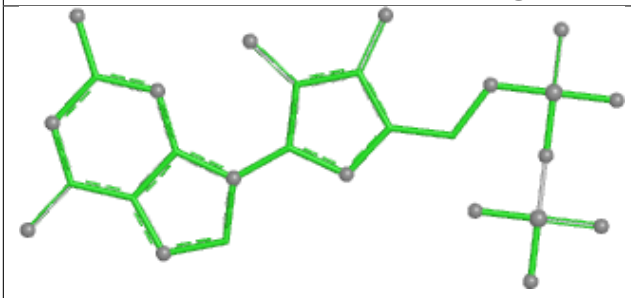


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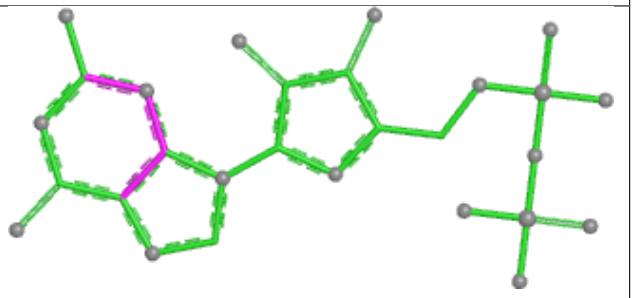


Rings

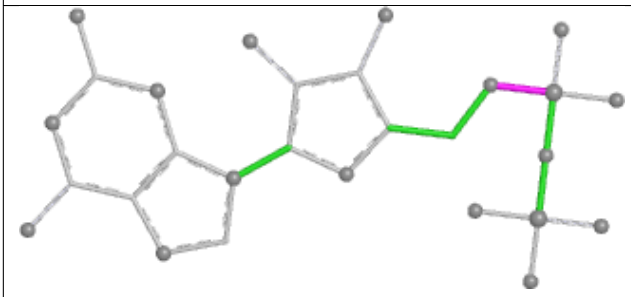
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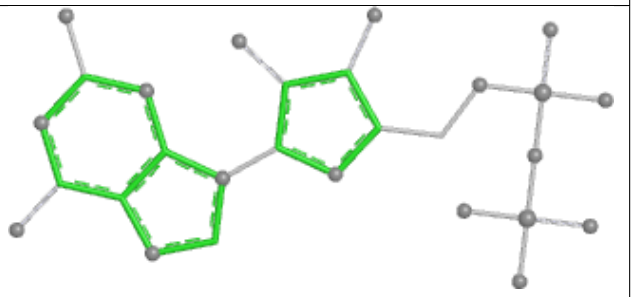
Bond lengths



Bond angles

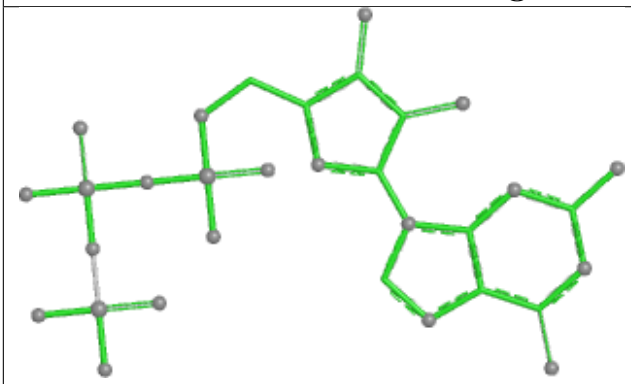


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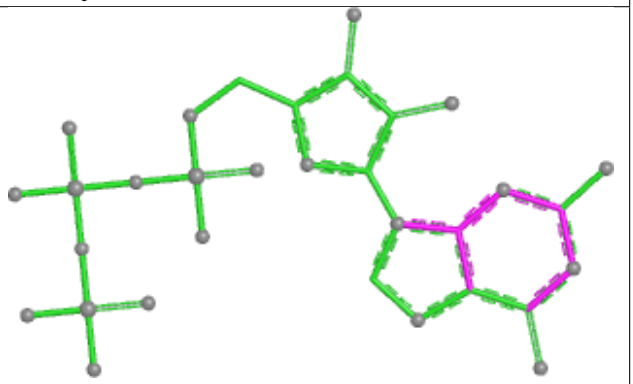


Rings

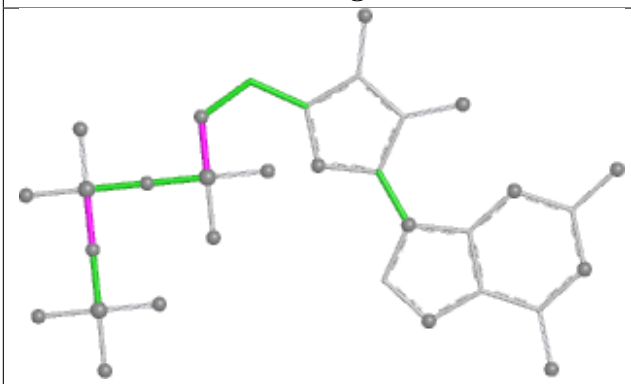
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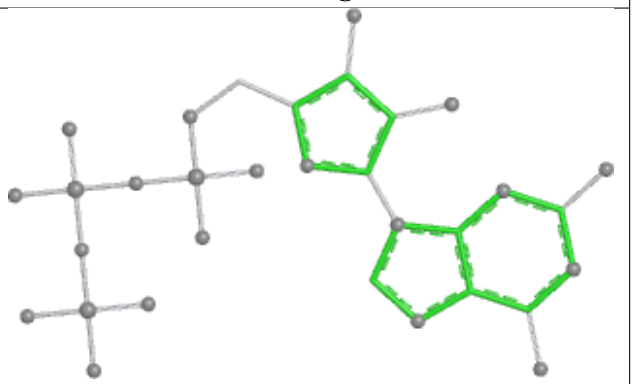
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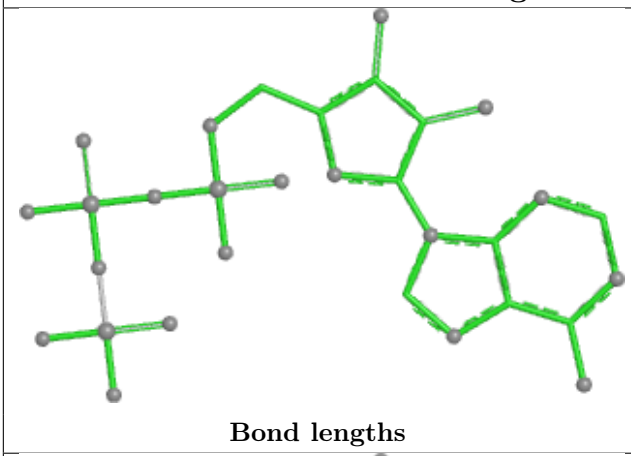


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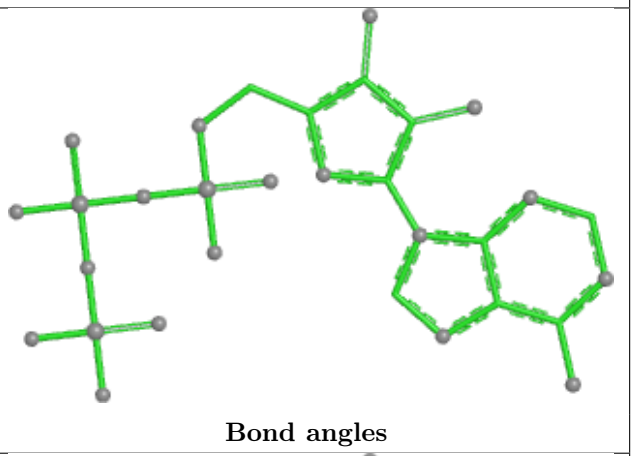


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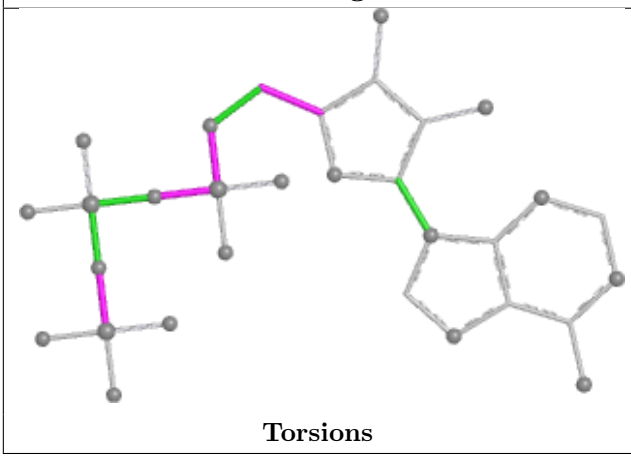
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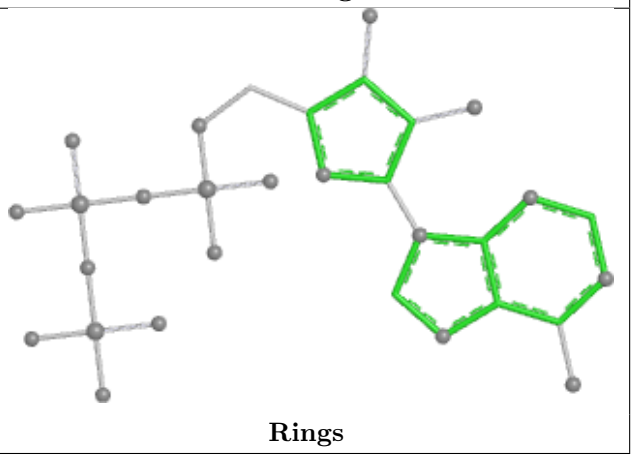
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Bond angles

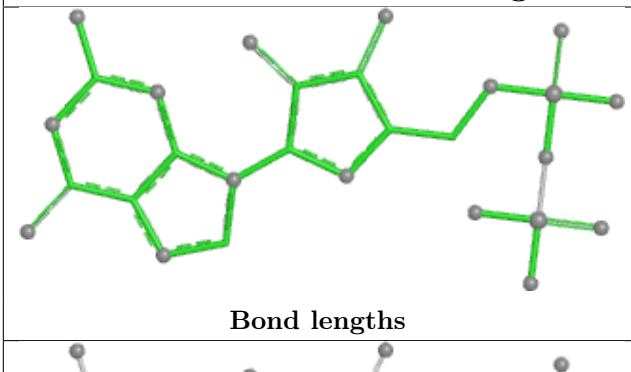


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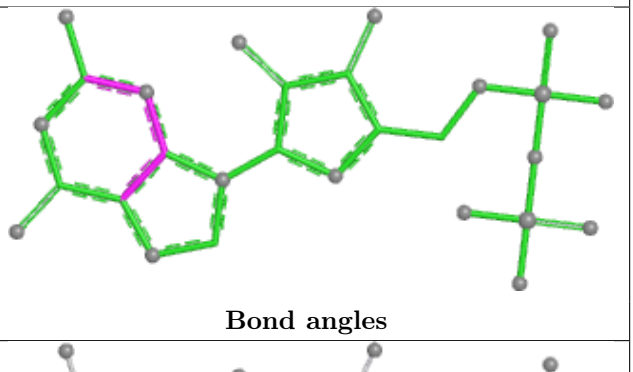


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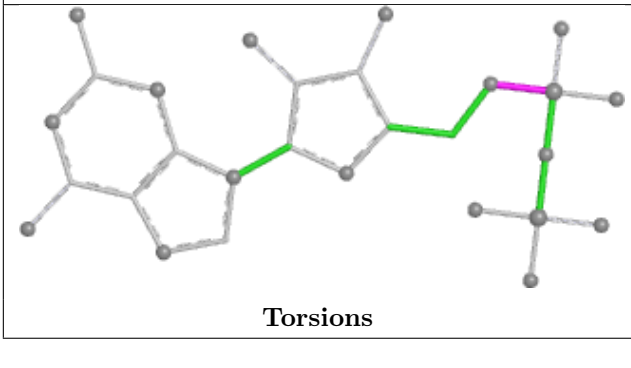
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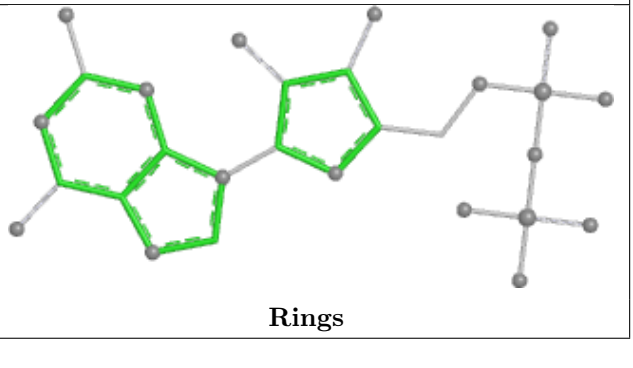
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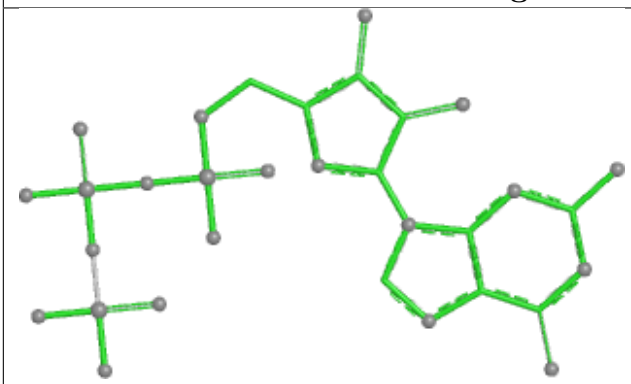


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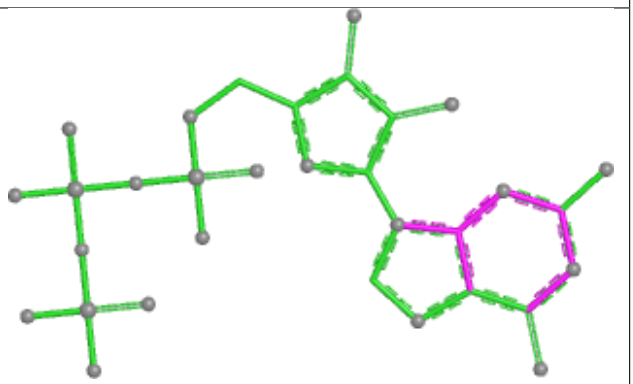


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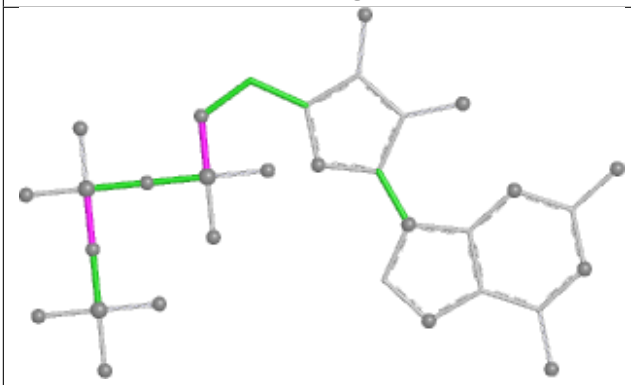
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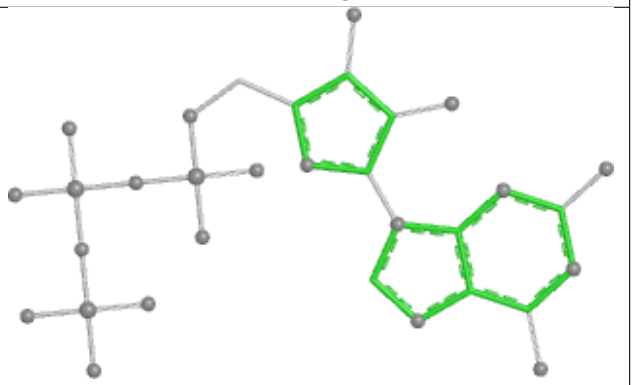
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Bond angles

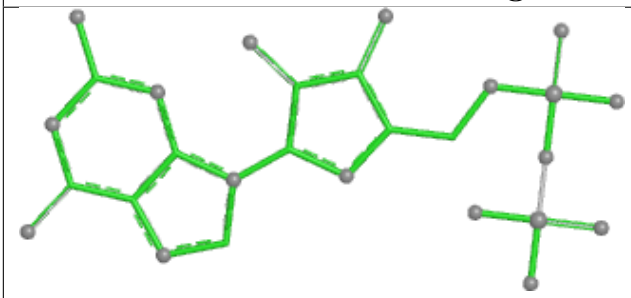


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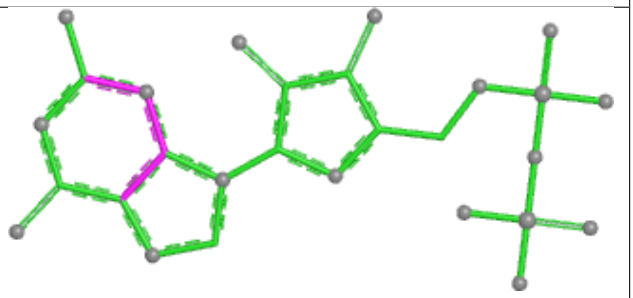


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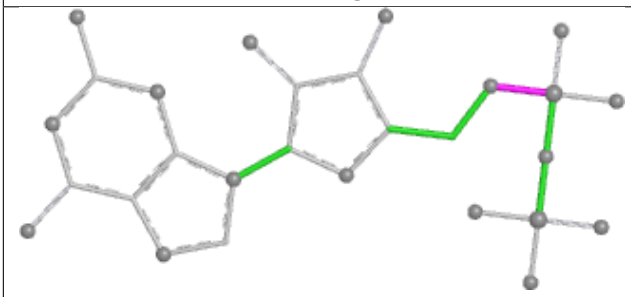
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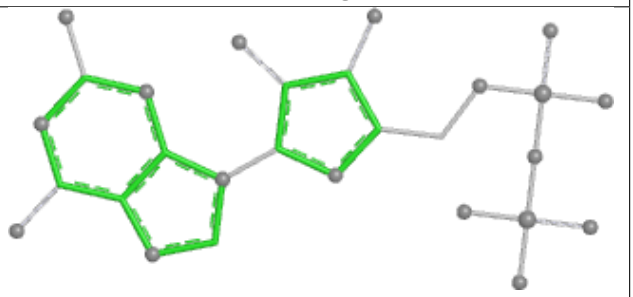
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Bond angles

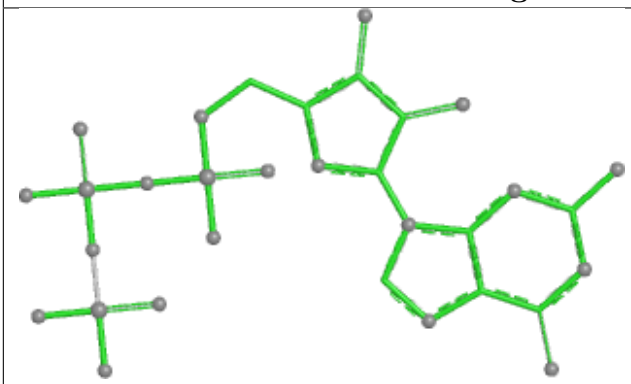


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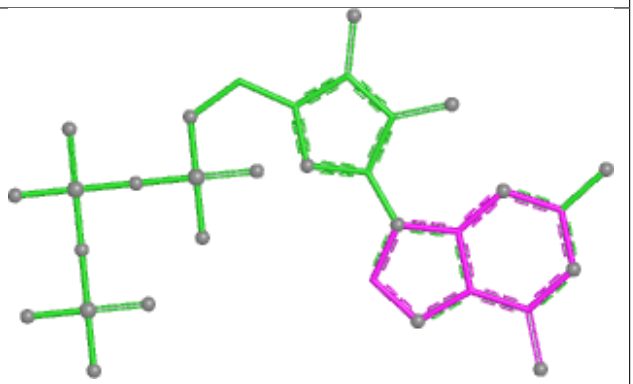


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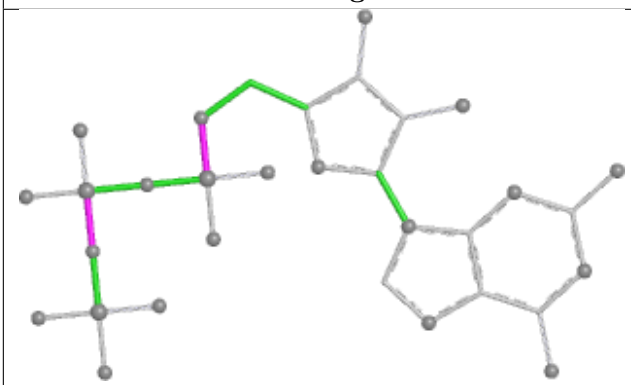
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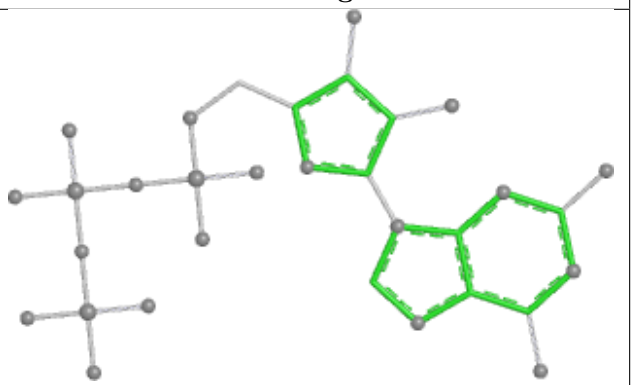
Bond lengths



Bond angles

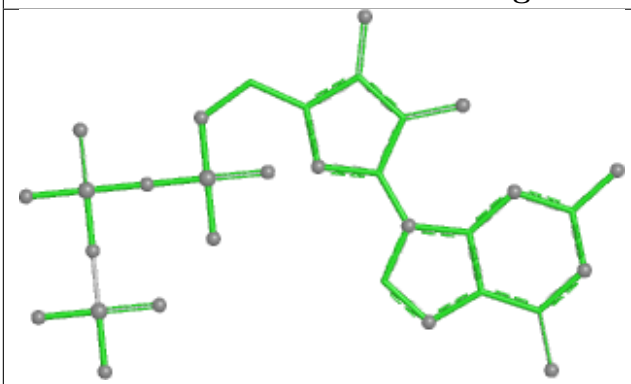


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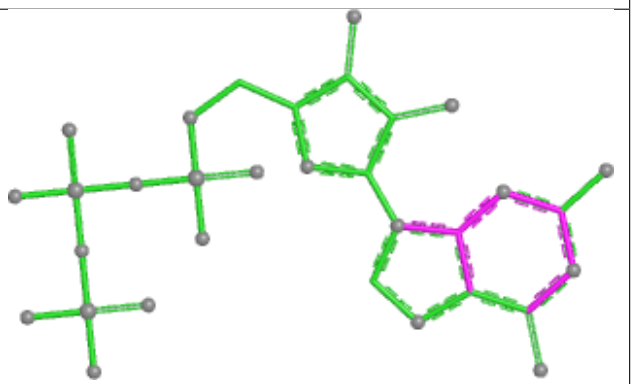


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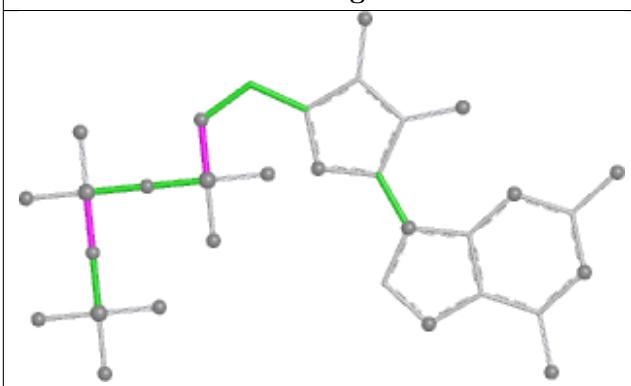
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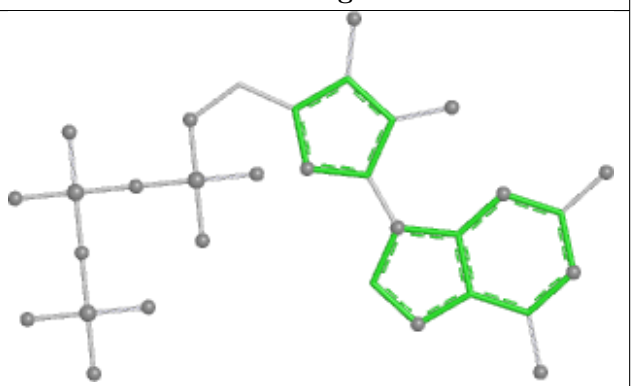
Bond lengths



Bond angles

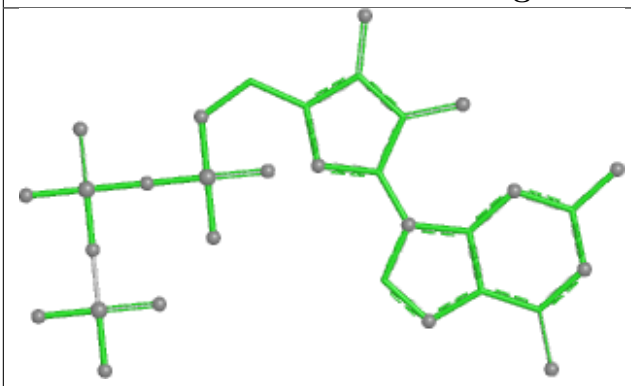


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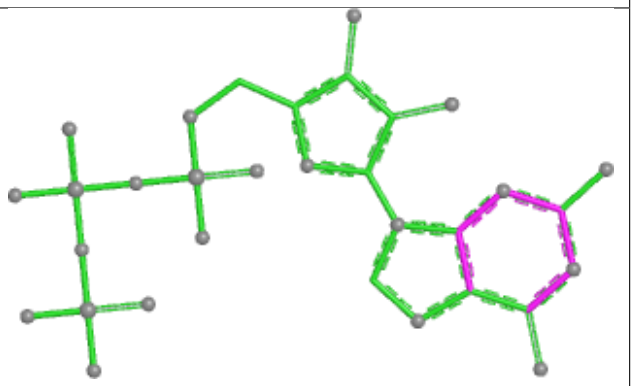


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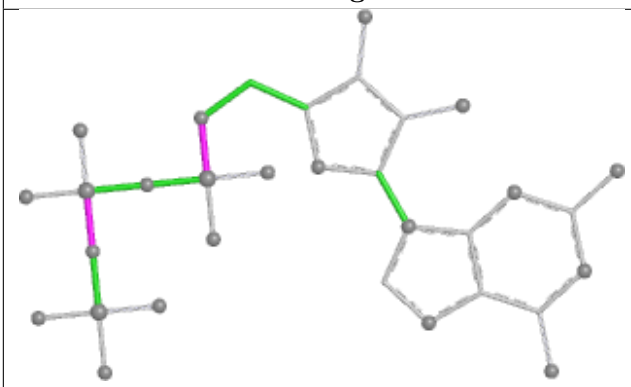
Ligand GTP CJ 501



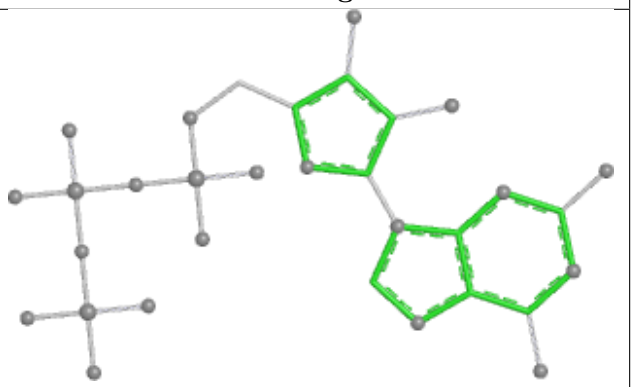
Bond lengths



Bond angles

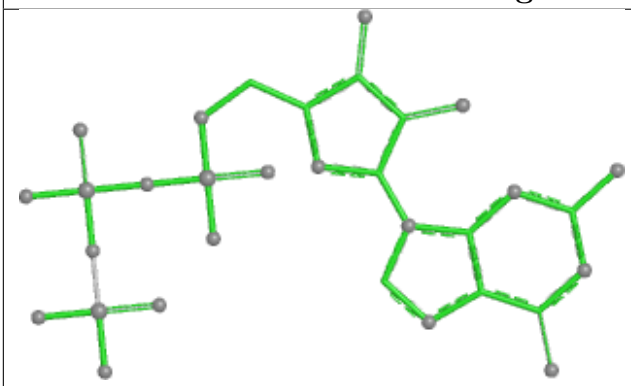


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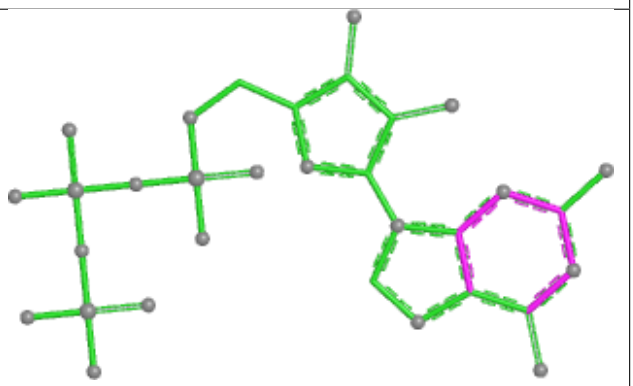


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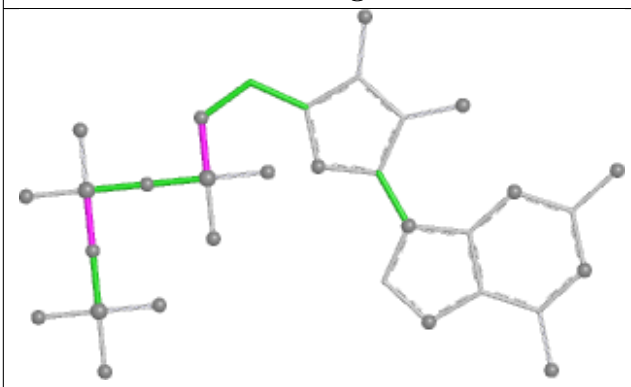
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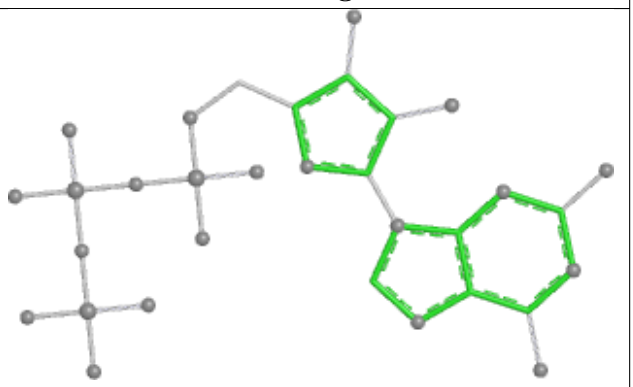
Bond lengths



Bond angles

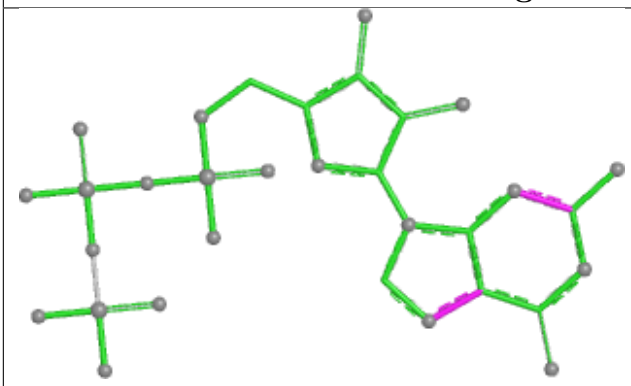


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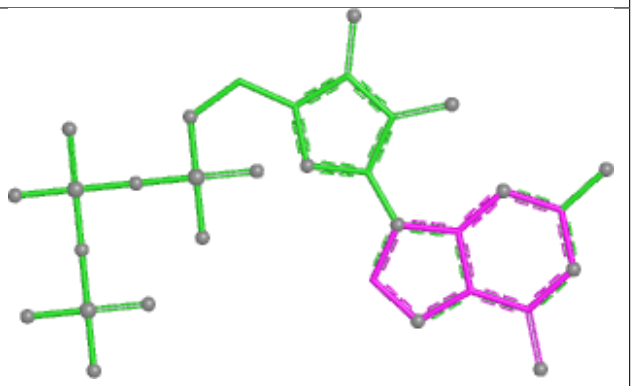


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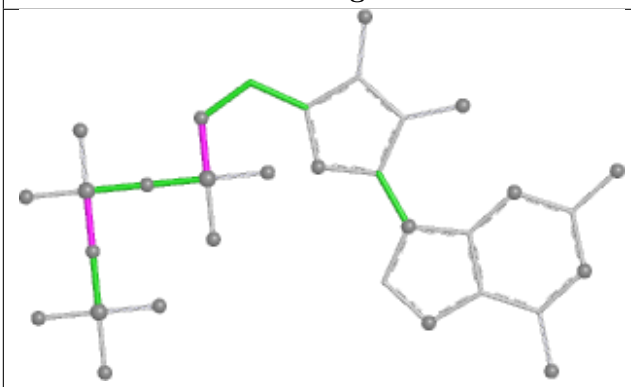
Ligand GTP IU 501



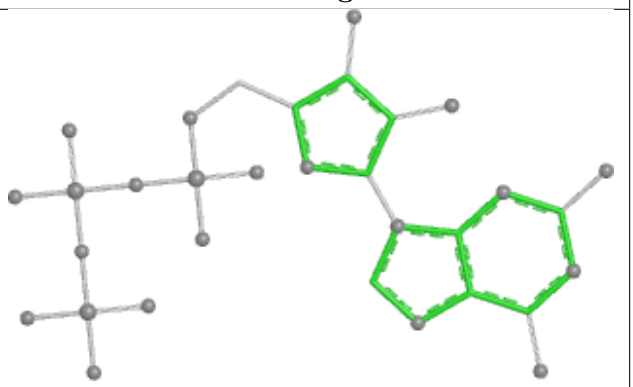
Bond lengths



Bond angles

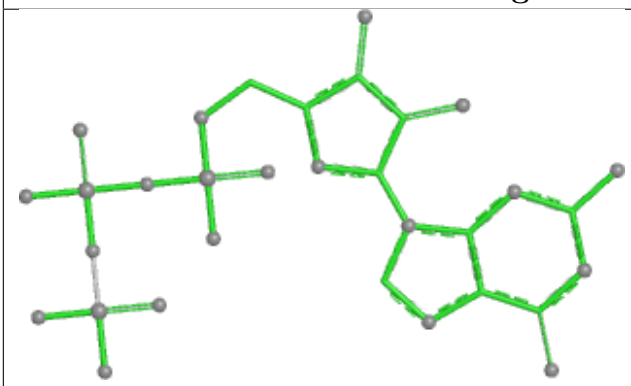


Torsions

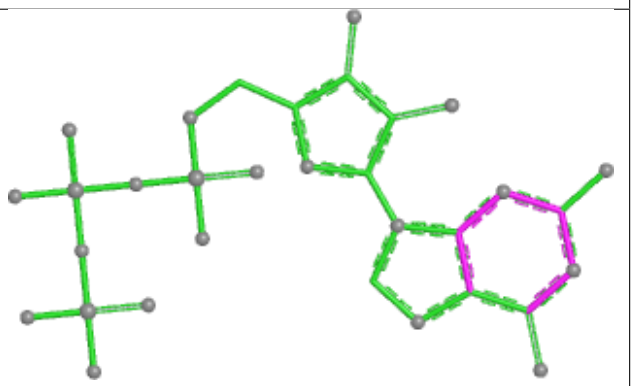


Rings

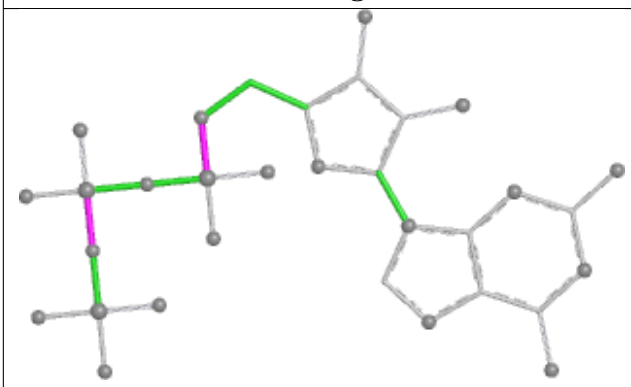
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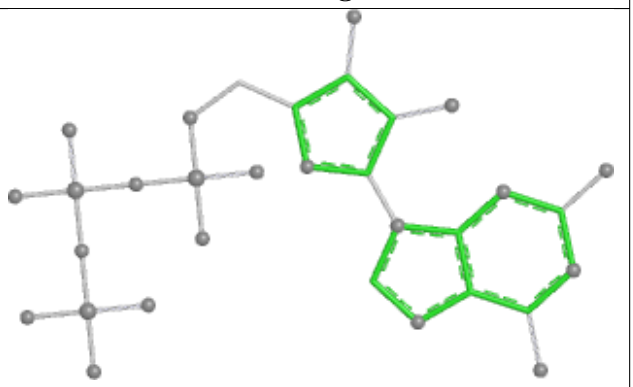
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Bond angles

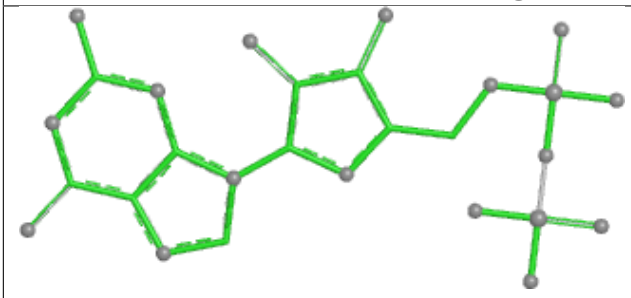


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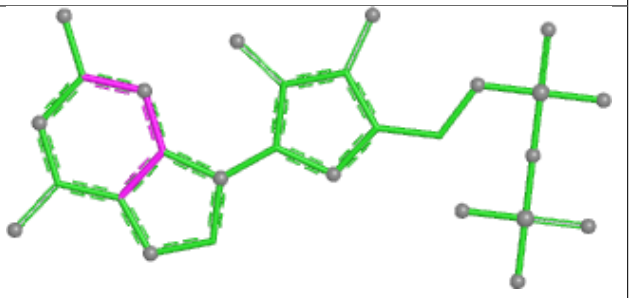


Rings

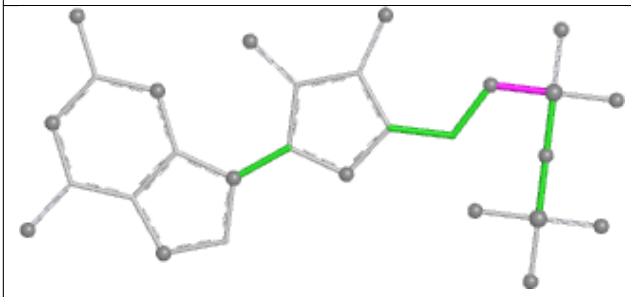
Ligand GDP LA 501



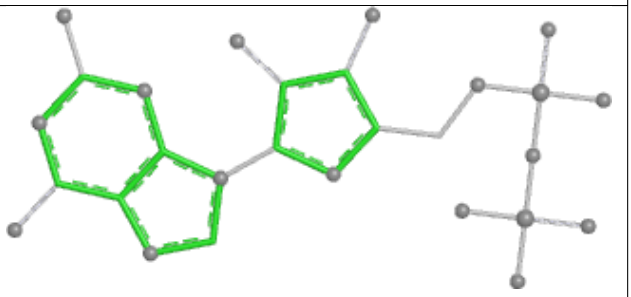
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Bond angles

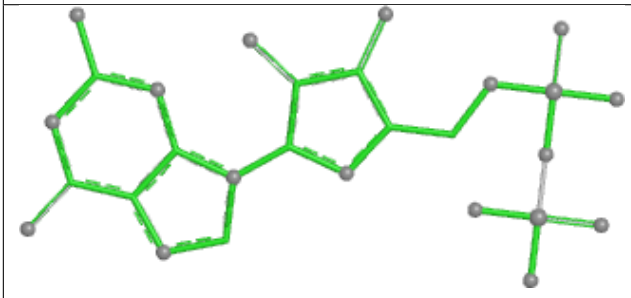


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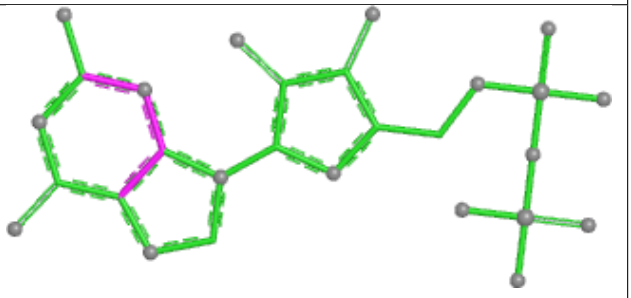


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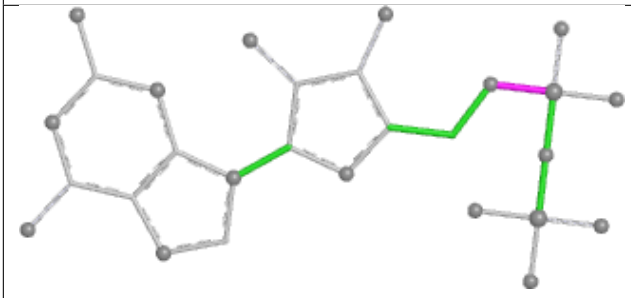
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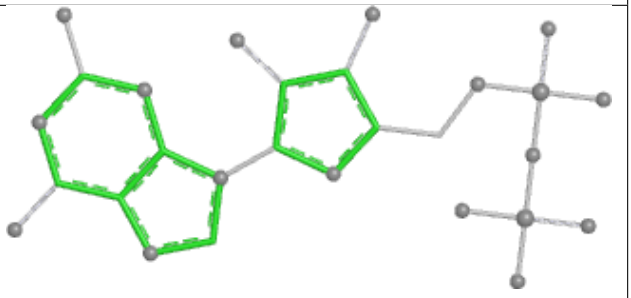
Bond lengths



Bond angles

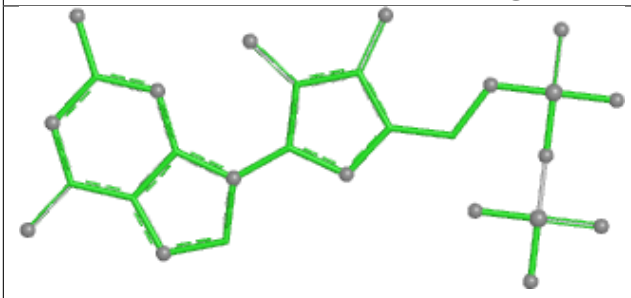


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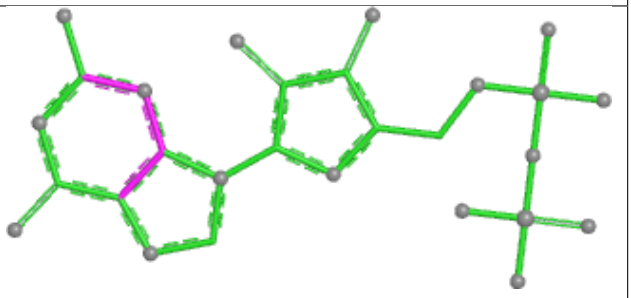


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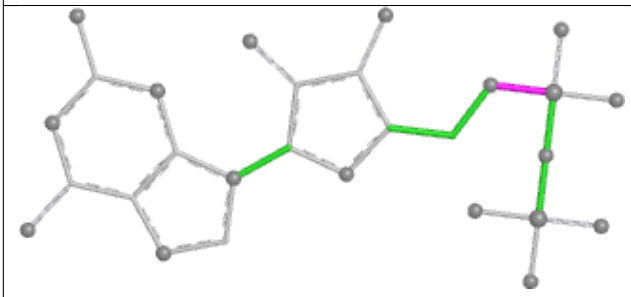
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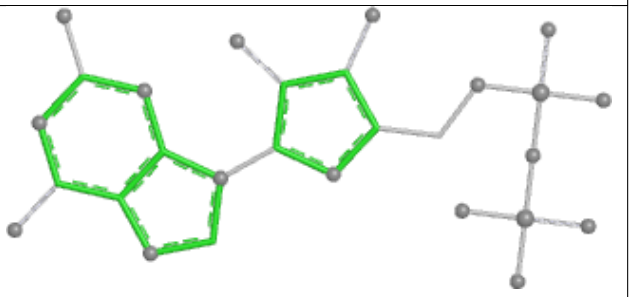
Bond lengths



Bond angles

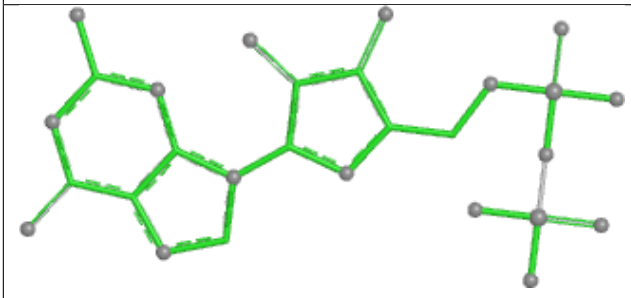


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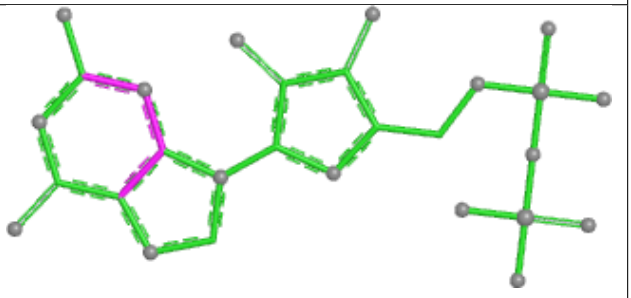


Rings

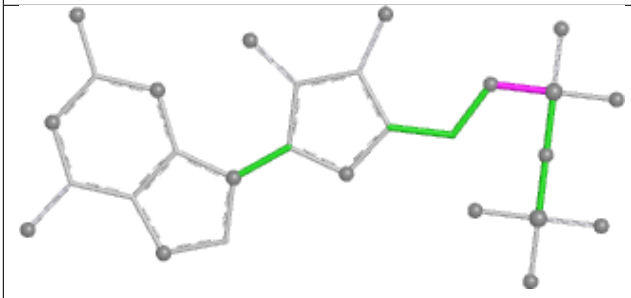
Ligand GDP XX 501



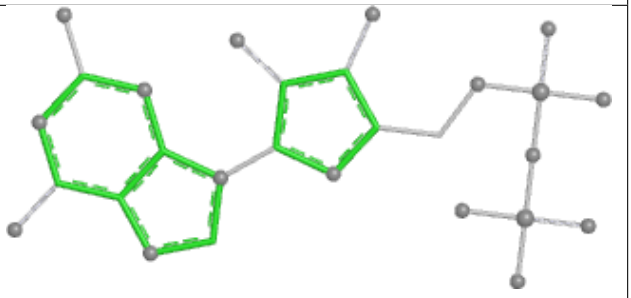
Bond lengths



Bond angles

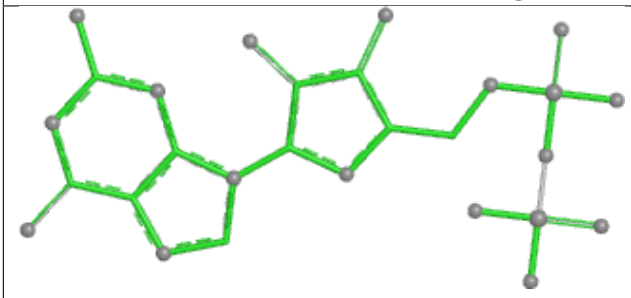


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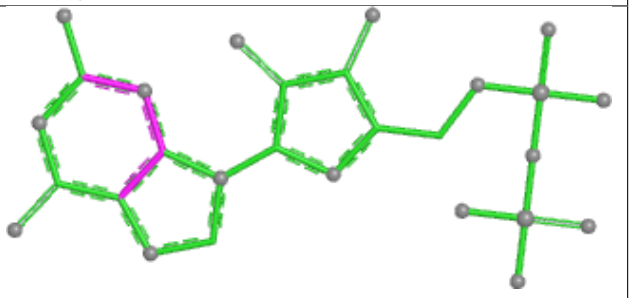


Rings

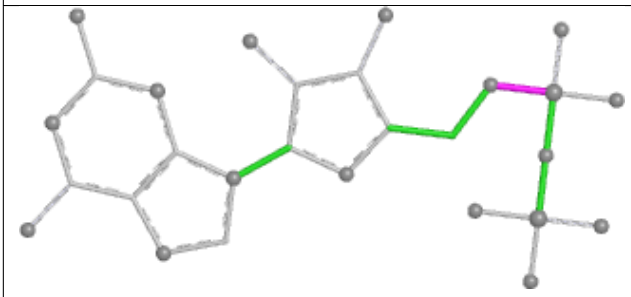
Ligand GDP LQ 501



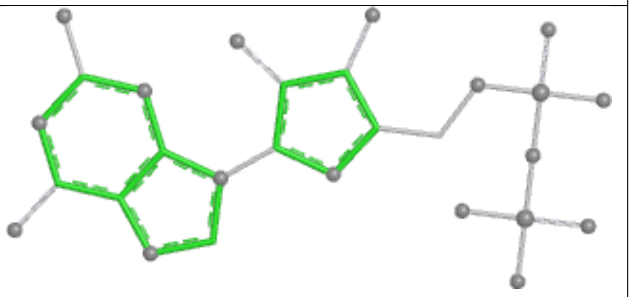
Bond lengths



Bond angles

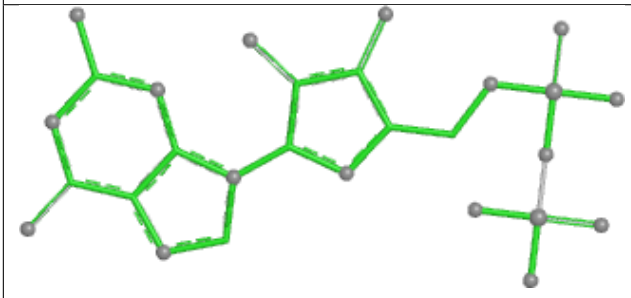


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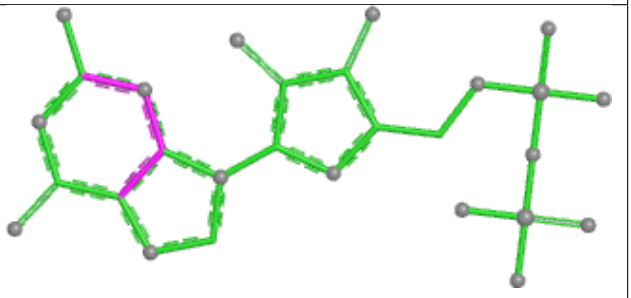


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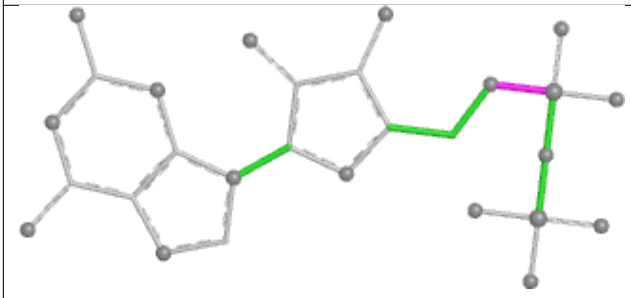
Ligand GDP AE 501



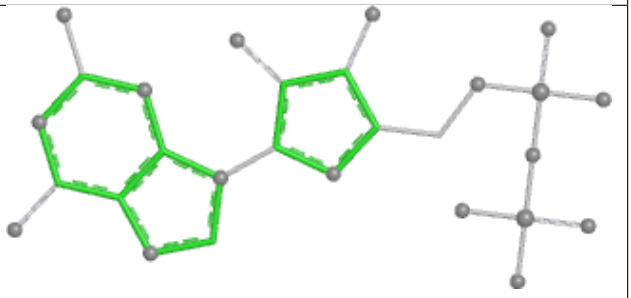
Bond lengths



Bond angles

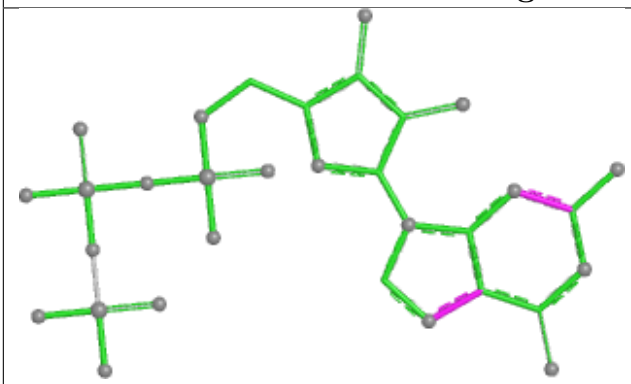


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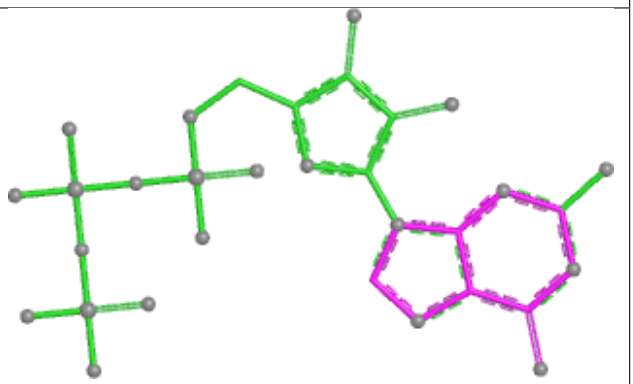


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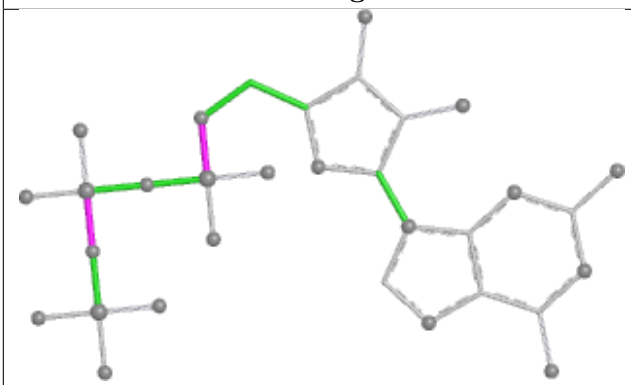
Ligand GTP IE 501



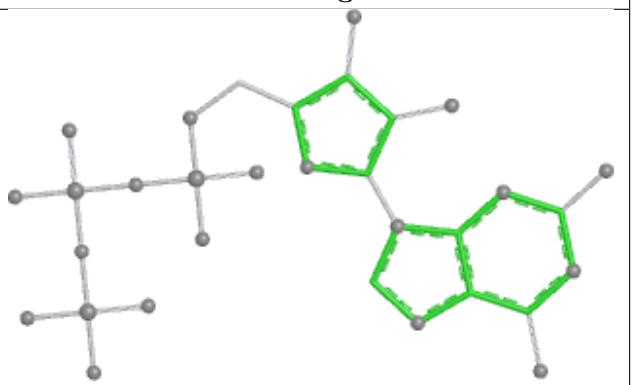
Bond lengths



Bond angles

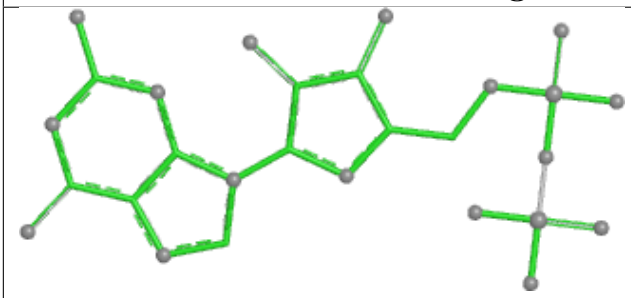


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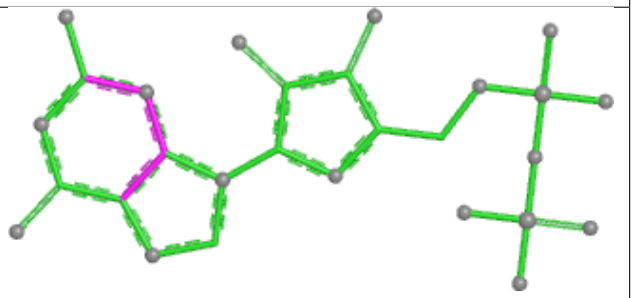


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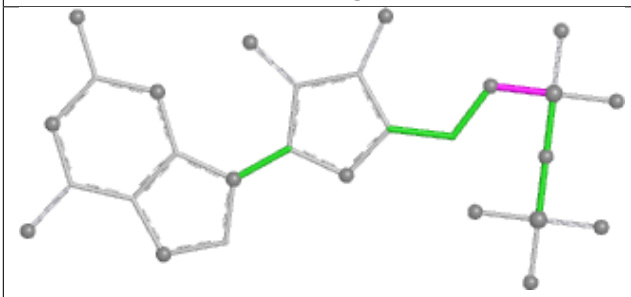
Ligand GDP TY 501



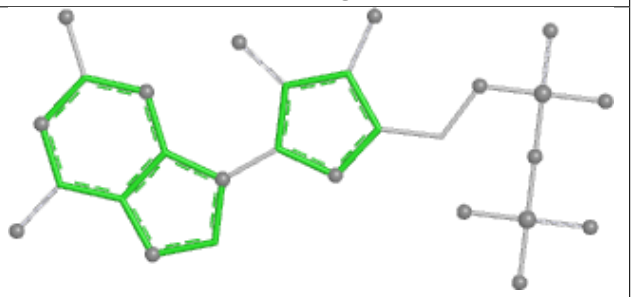
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Bond angles

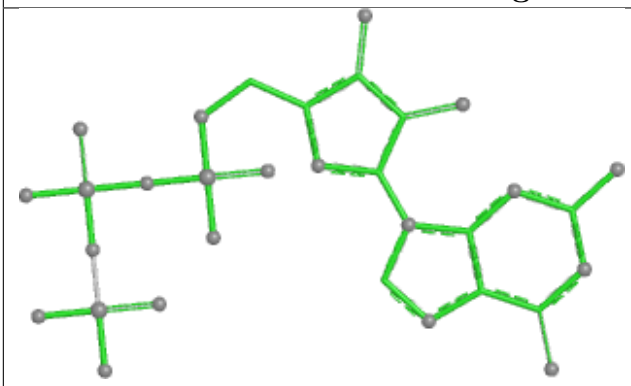


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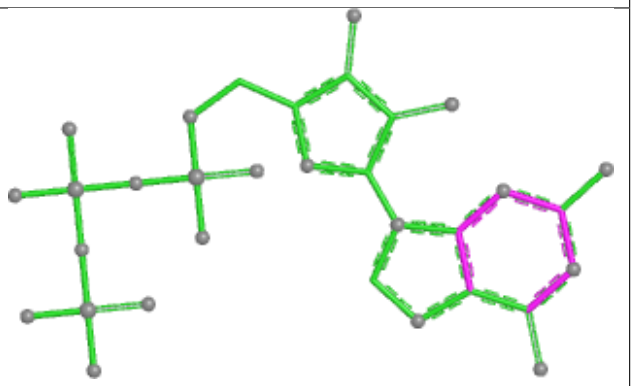


Rings

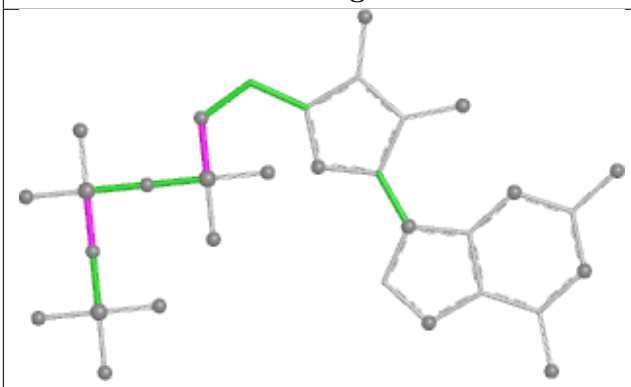
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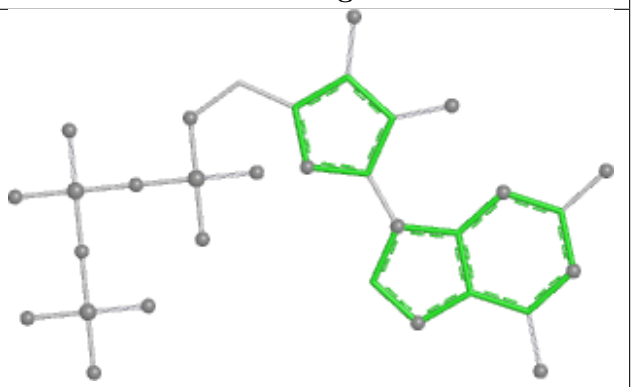
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Bond angles

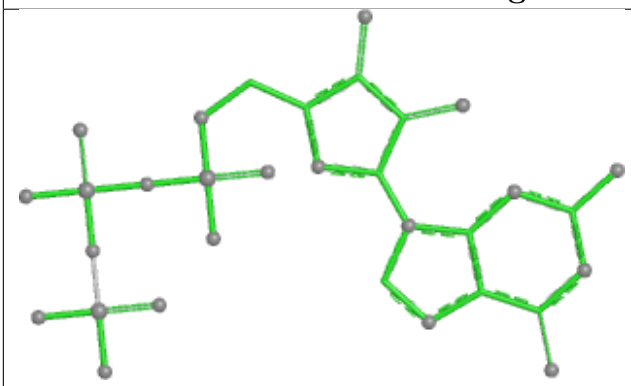


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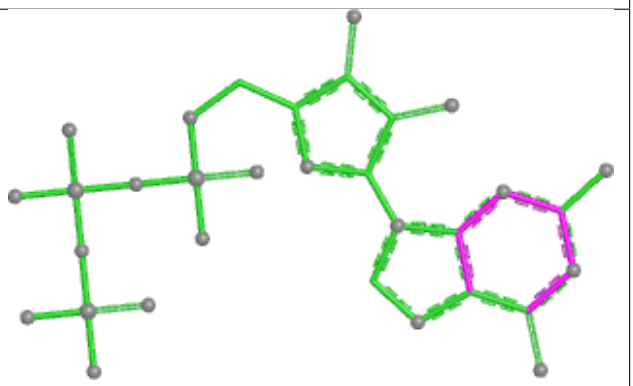


Rings

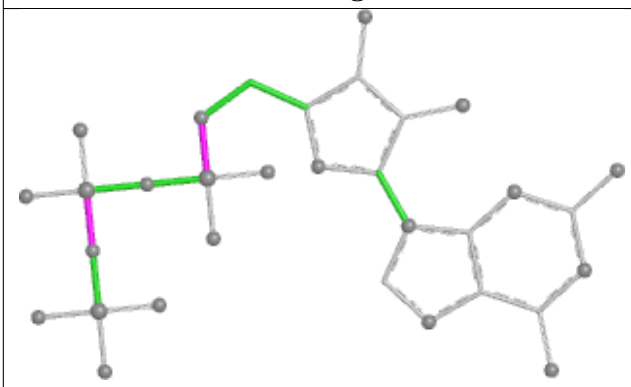
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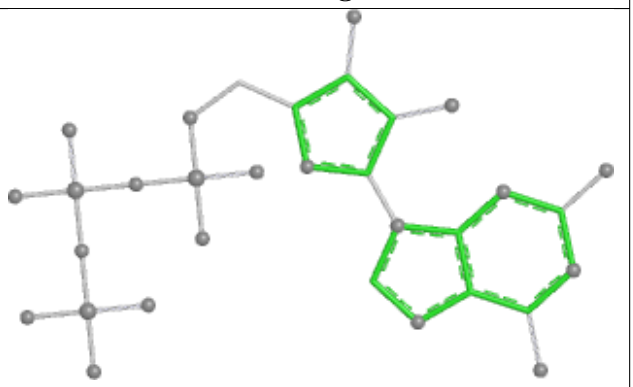
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Bond angles

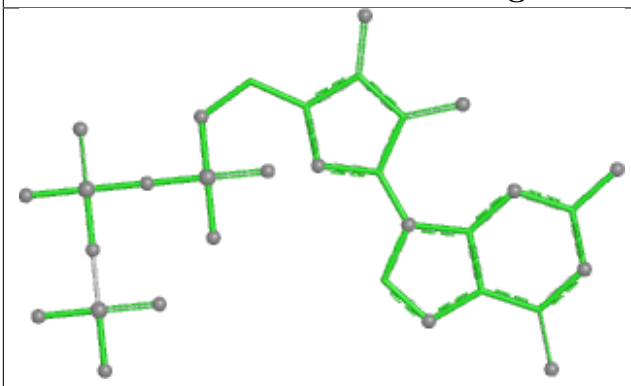


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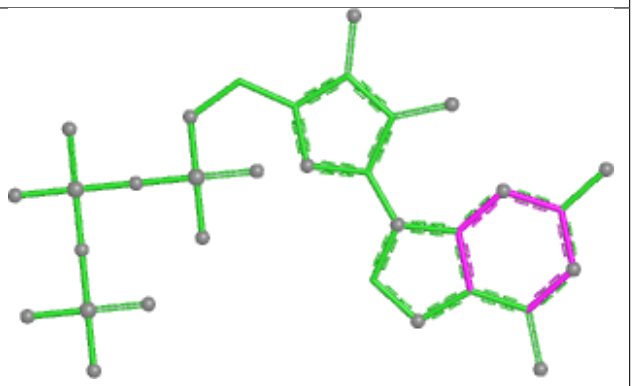


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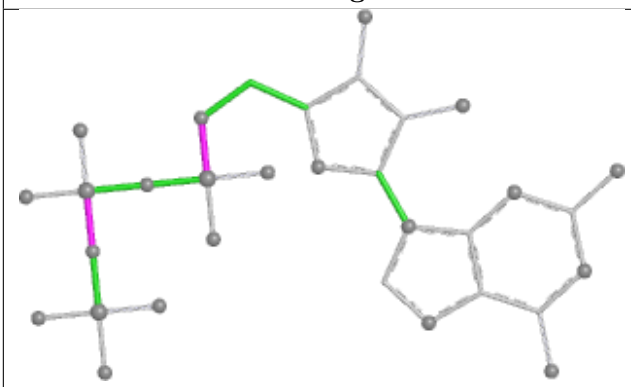
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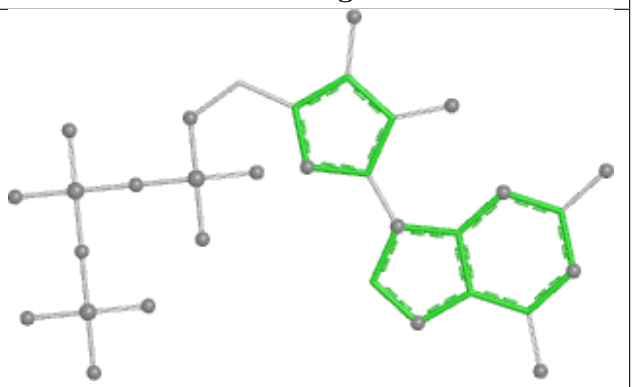
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Bond angles

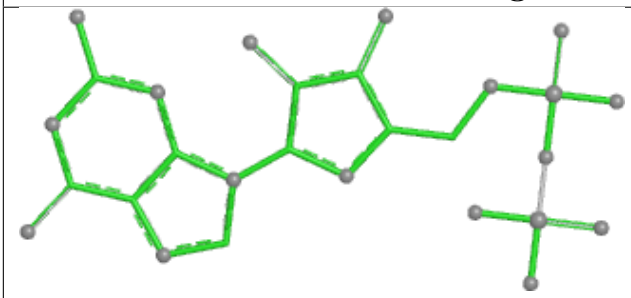


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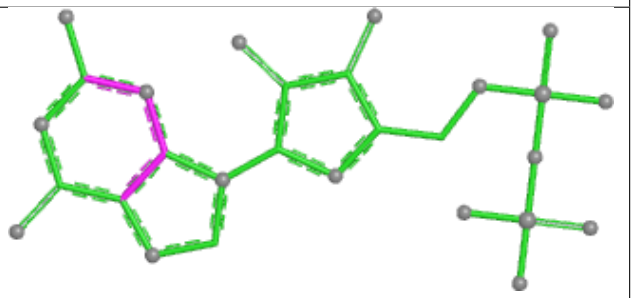


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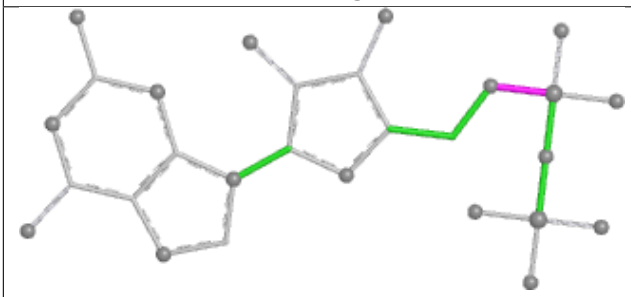
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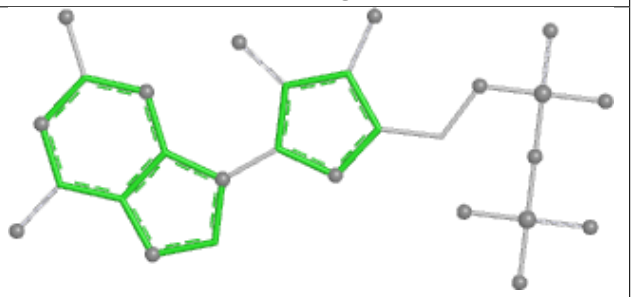
Bond lengths



Bond angles

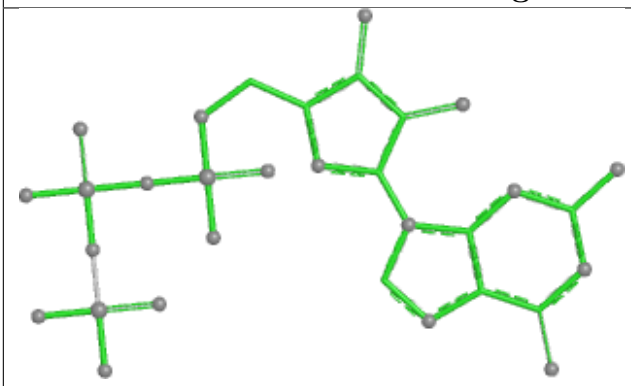


Torsions

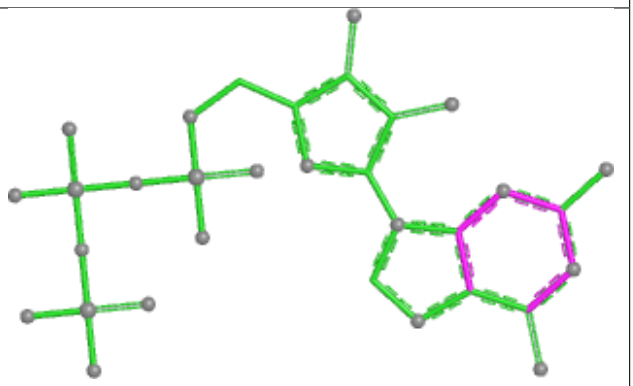


Rings

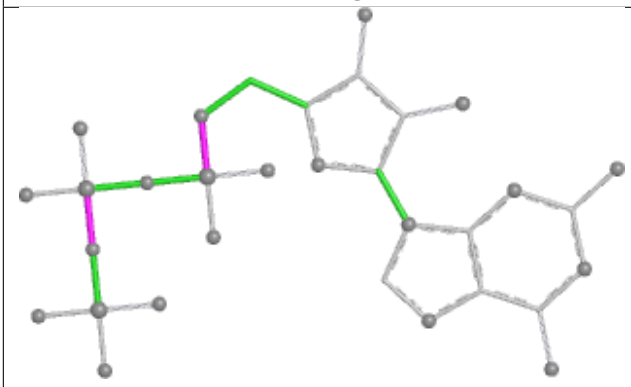
Ligand GTP Ah 501



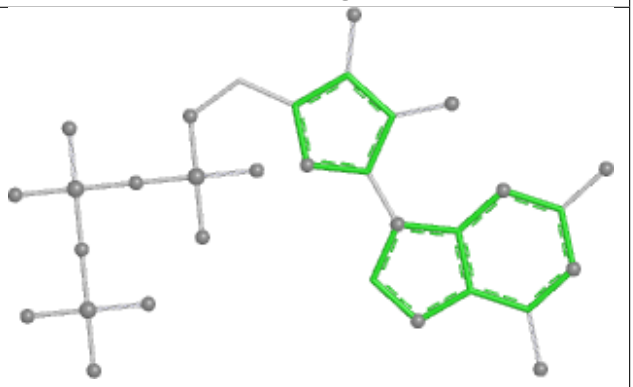
Bond lengths



Bond angles

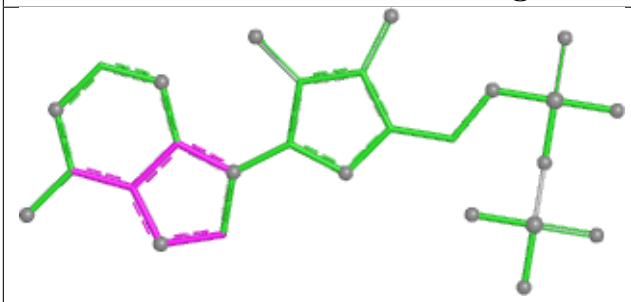


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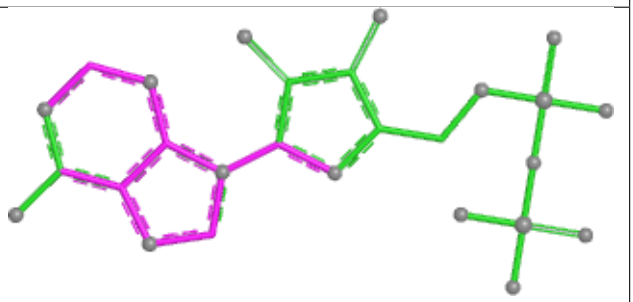


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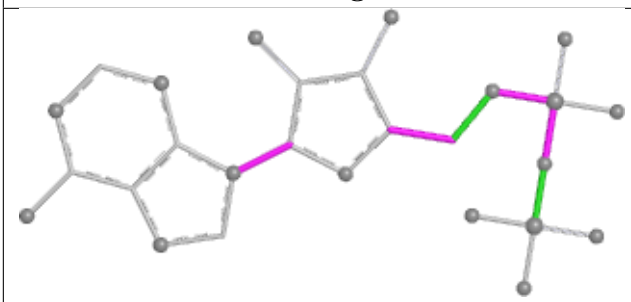
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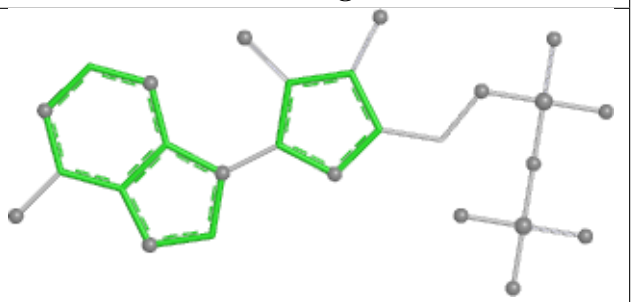
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Bond angles

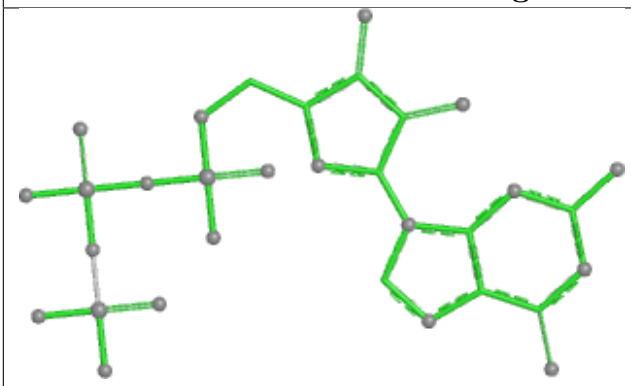


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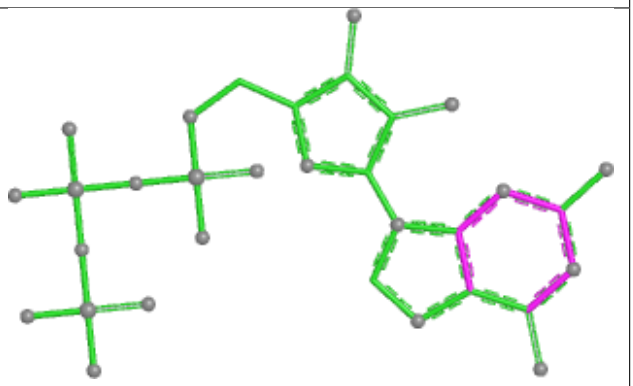


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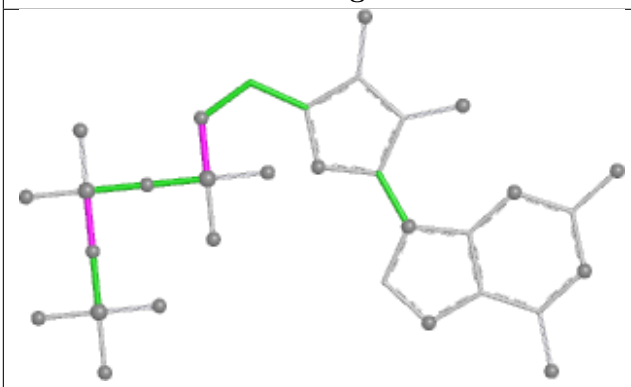
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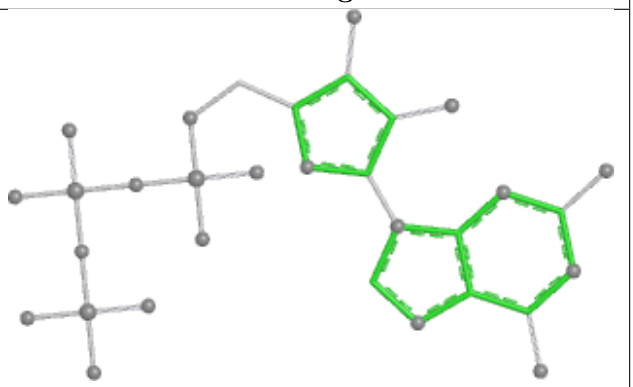
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Bond angles

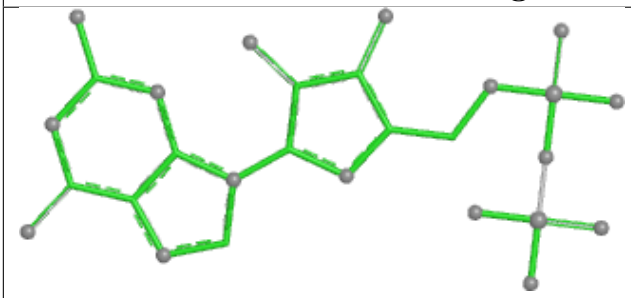


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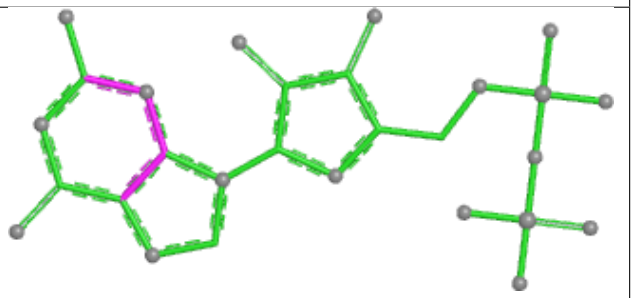


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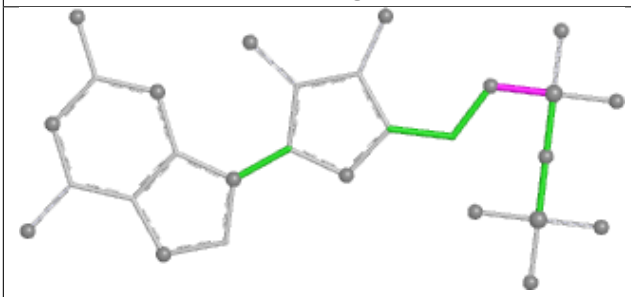
Ligand GDP LO 501



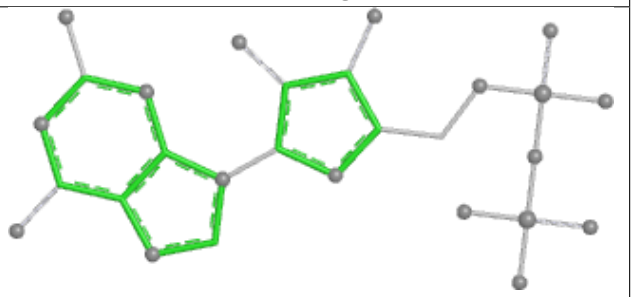
Bond lengths



Bond angles

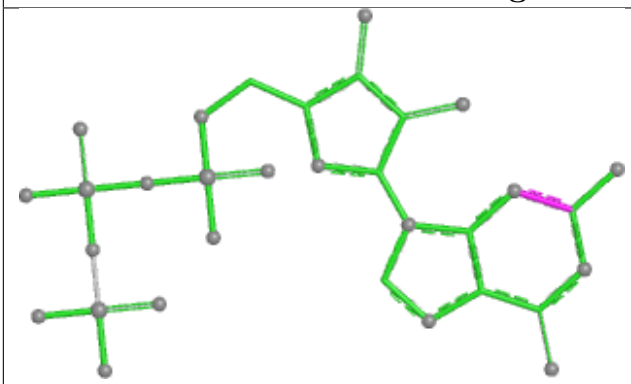


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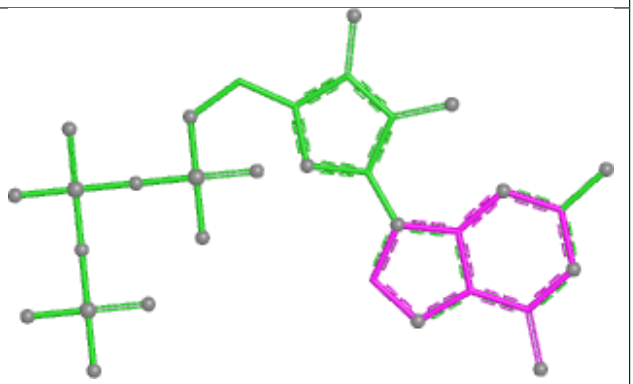


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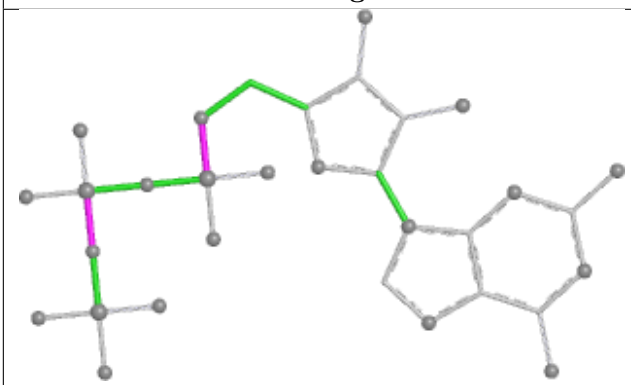
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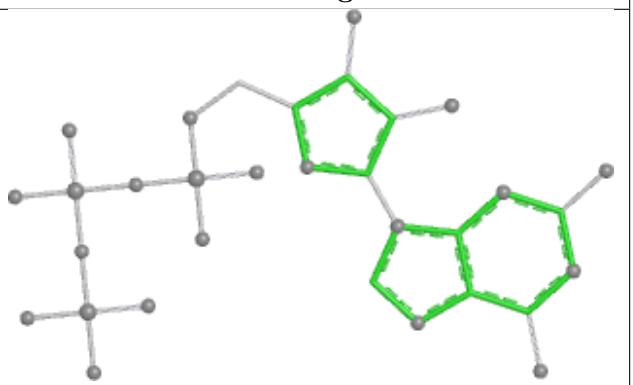
Bond lengths



Bond angles

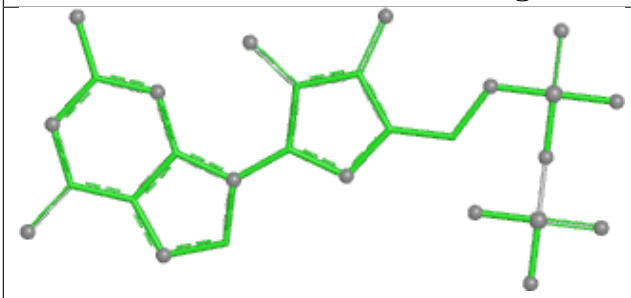


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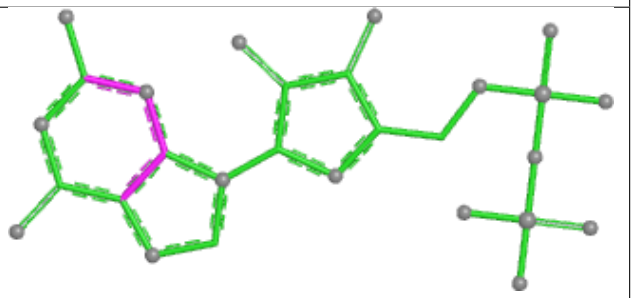


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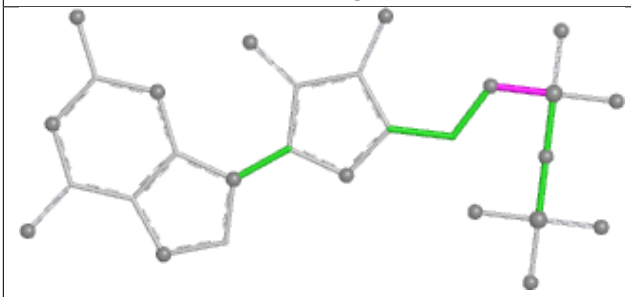
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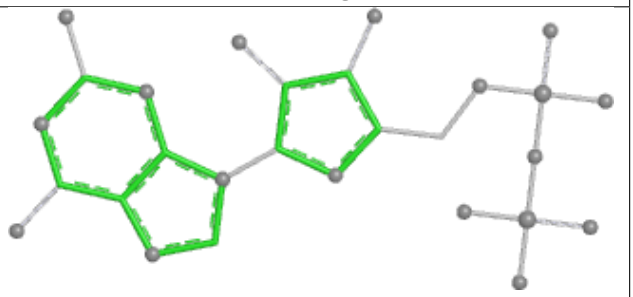
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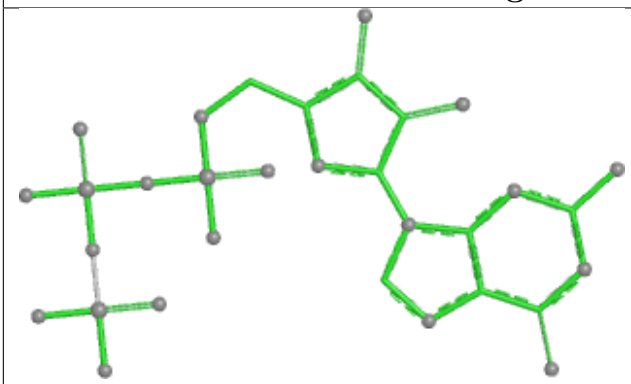


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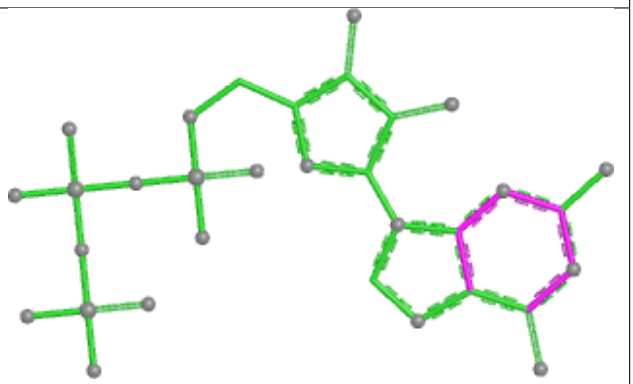


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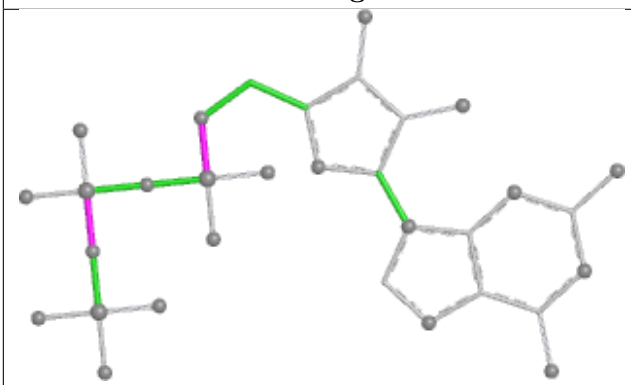
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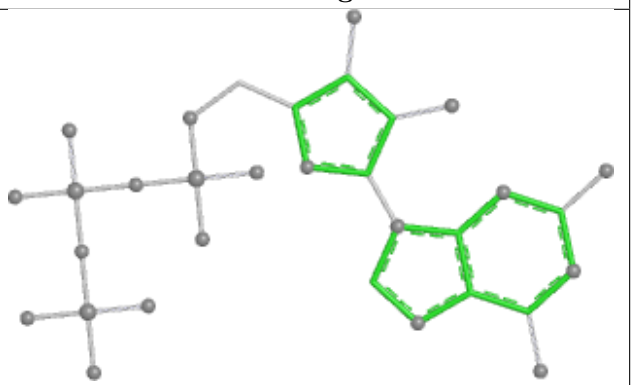
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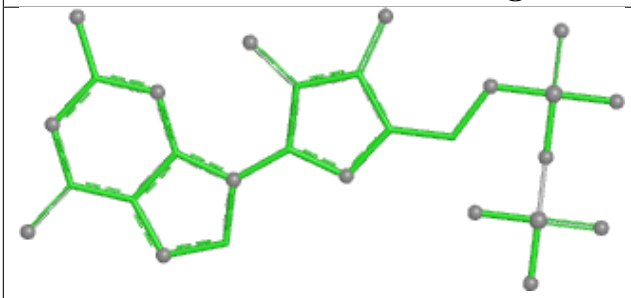


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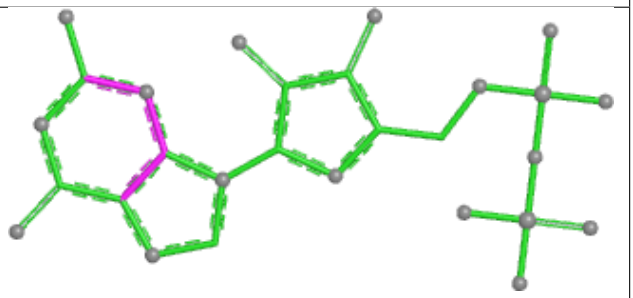


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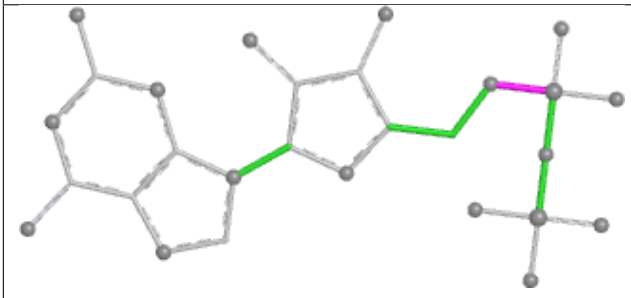
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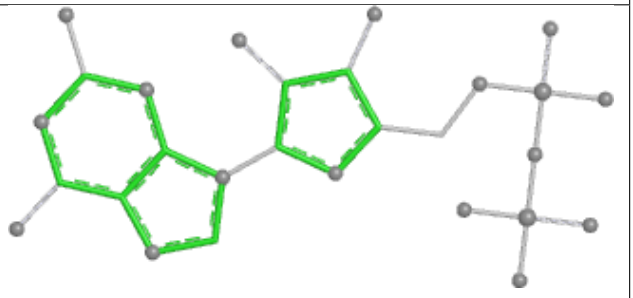
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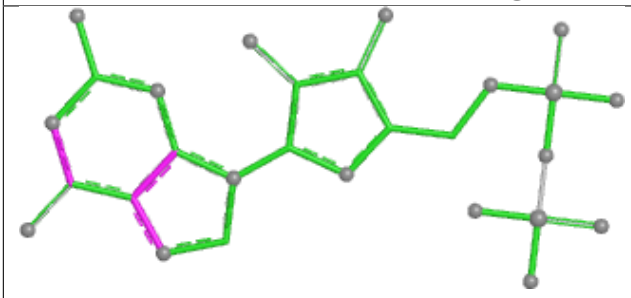


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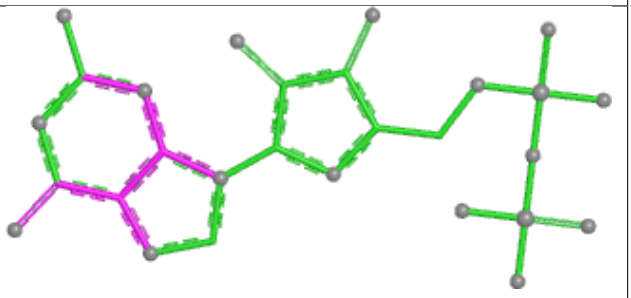


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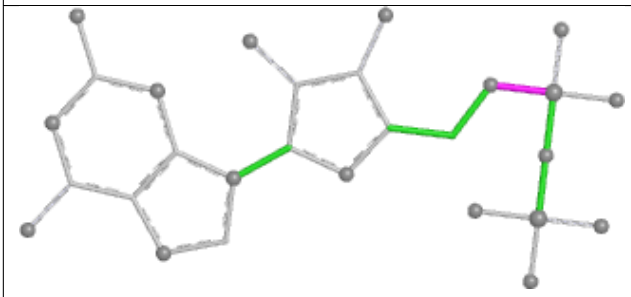
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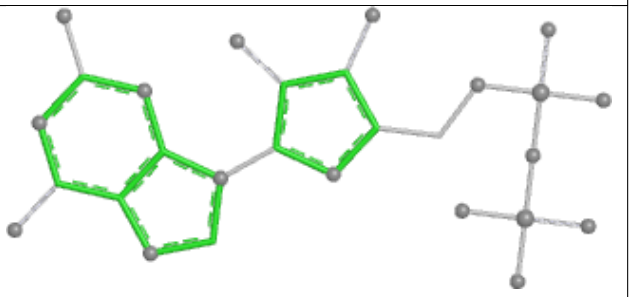
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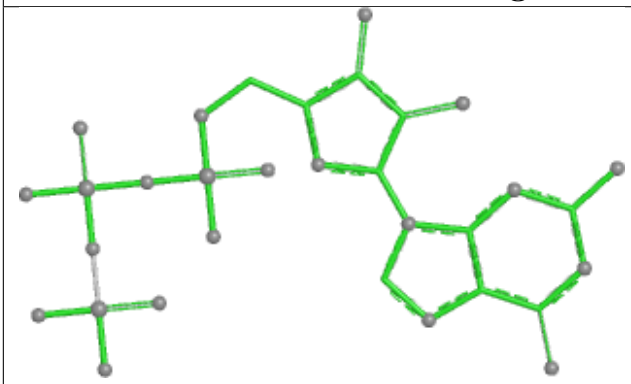


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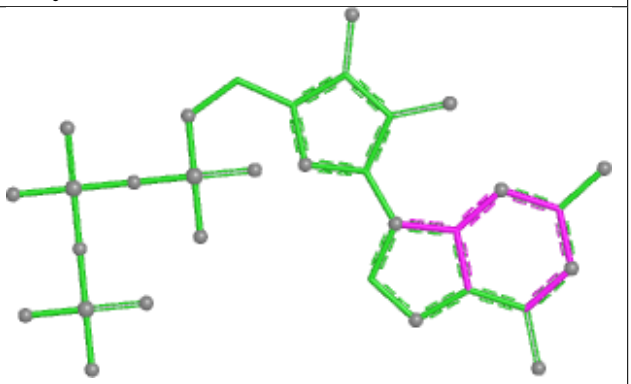


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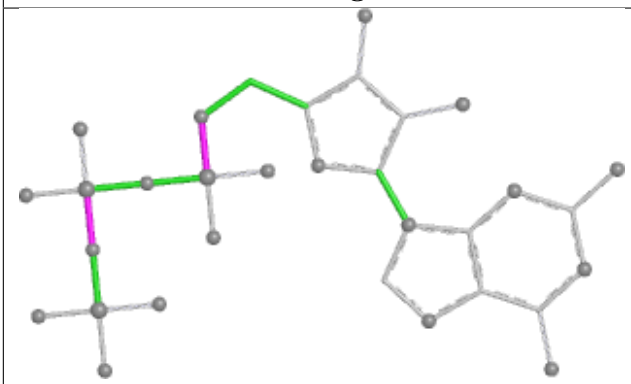
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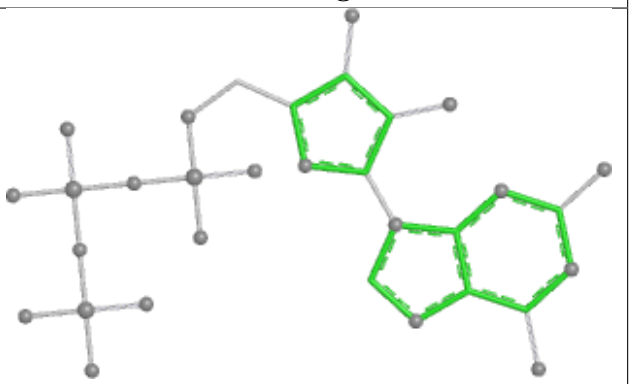
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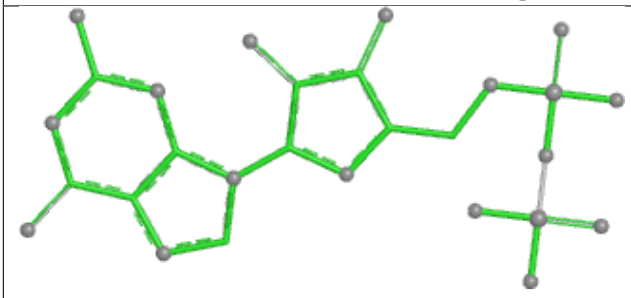


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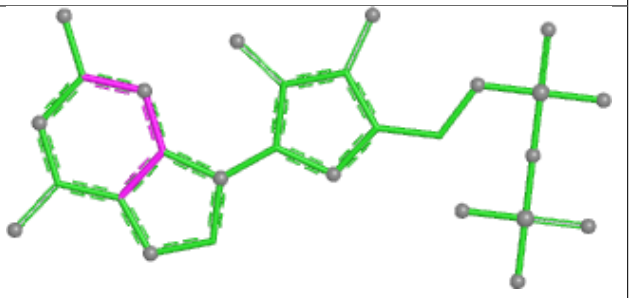


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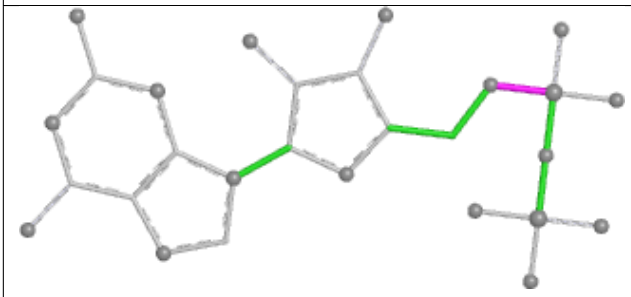
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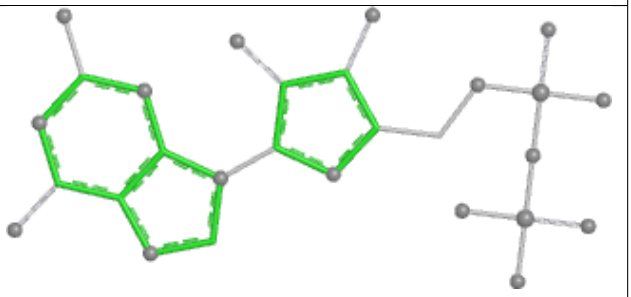
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Bond angles

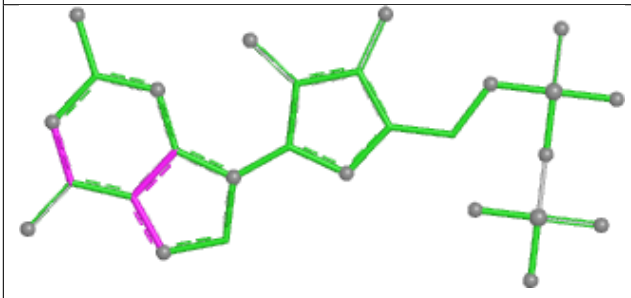


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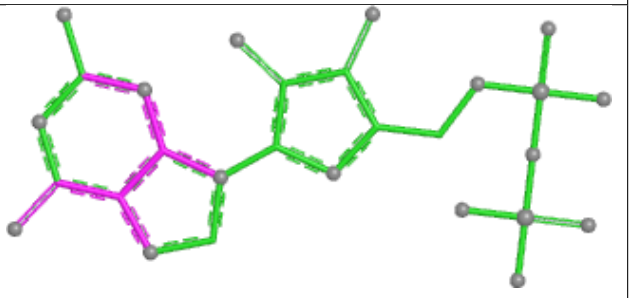


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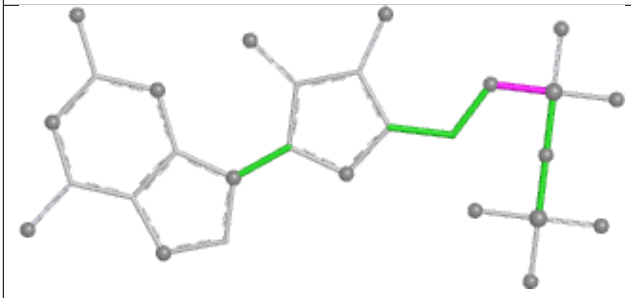
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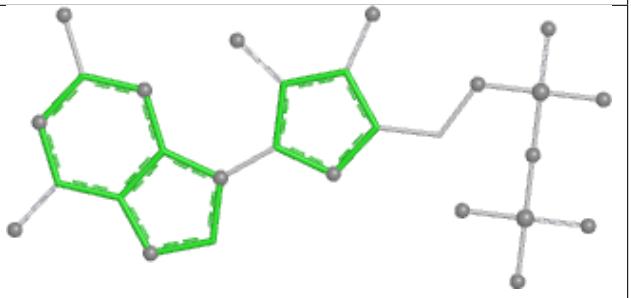
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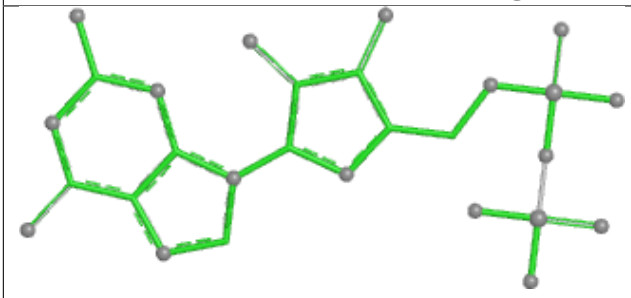


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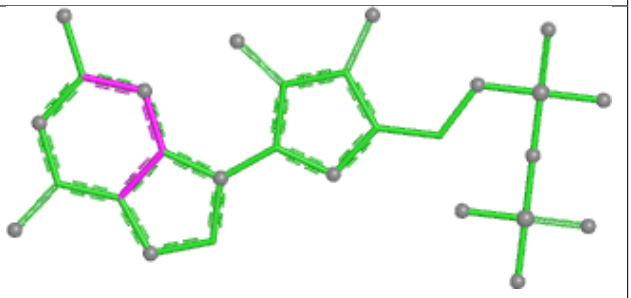


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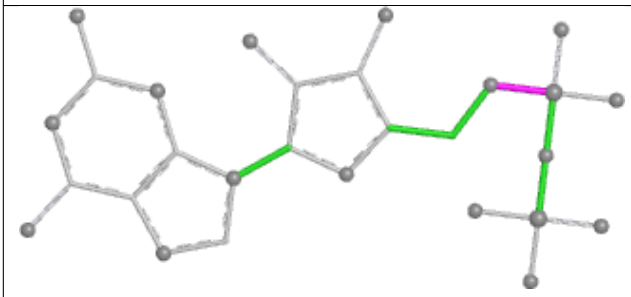
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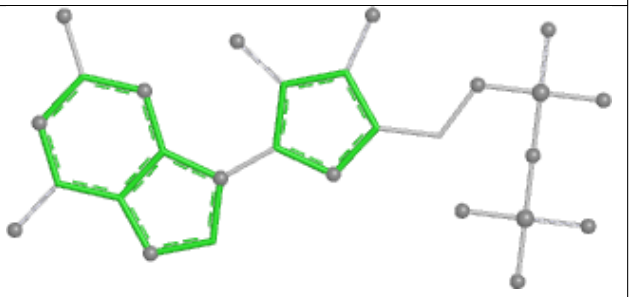
Bond lengths



Bond angles

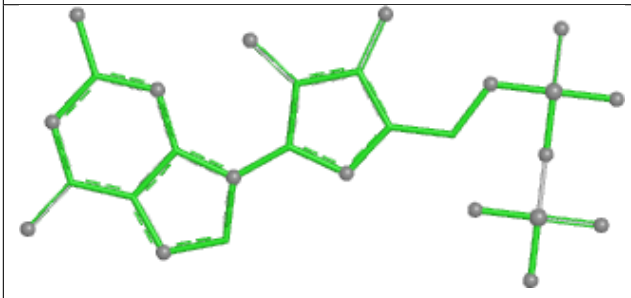


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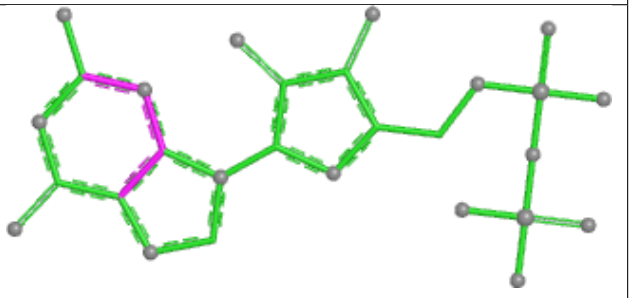


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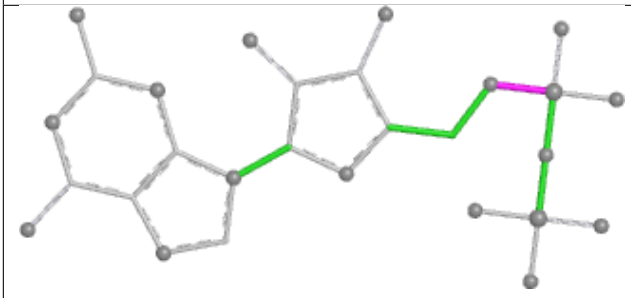
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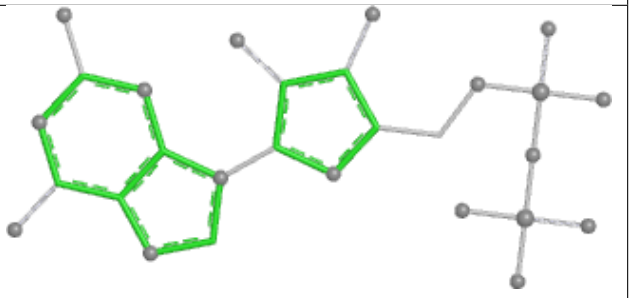
Bond lengths



Bond angles

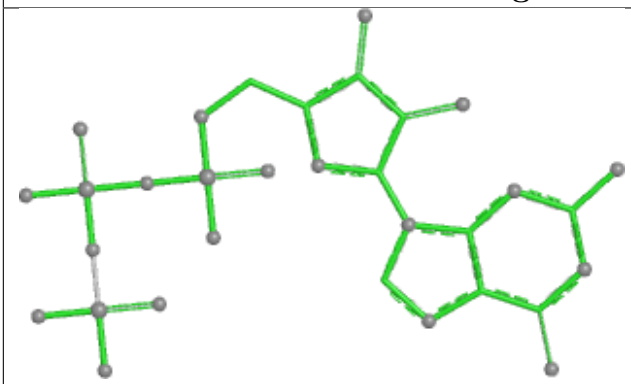


Torsions

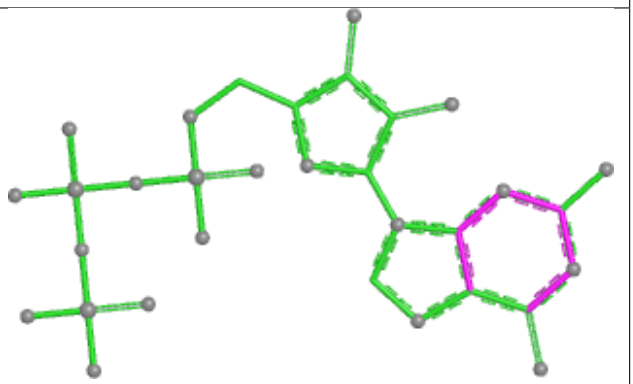


Rings

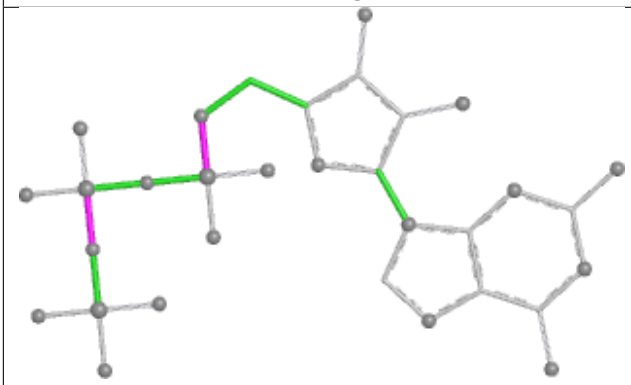
Ligand GTP JN 501



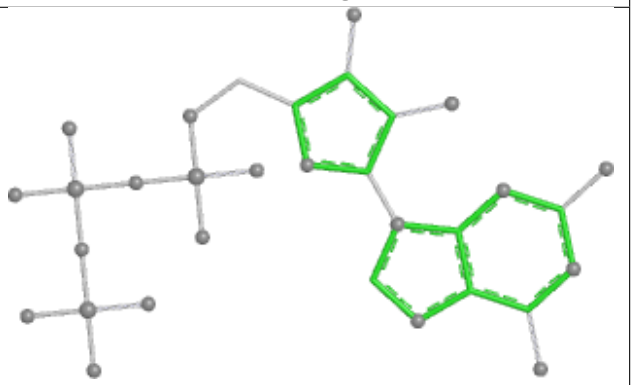
Bond lengths



Bond angles

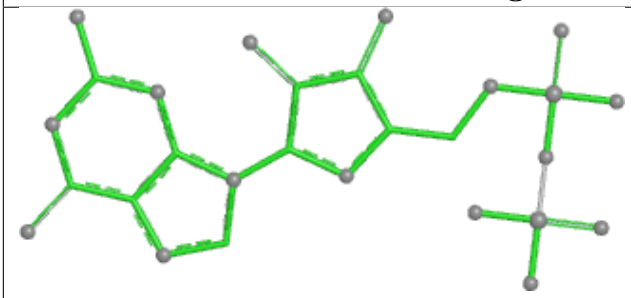


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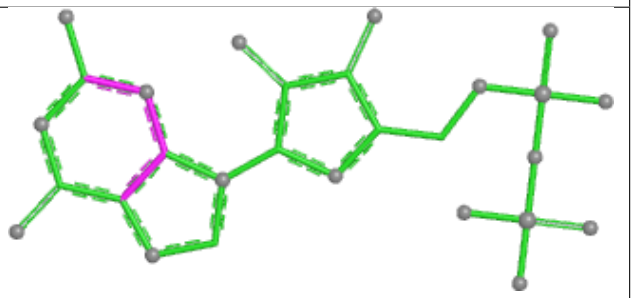


Rings

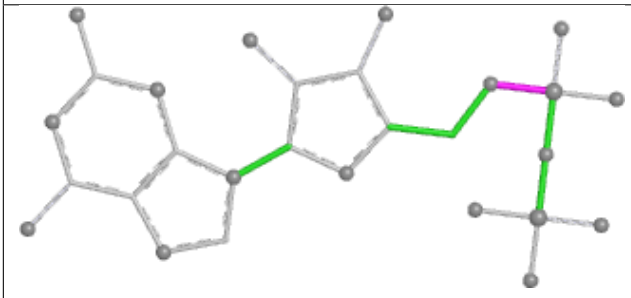
Ligand GDP RN 501



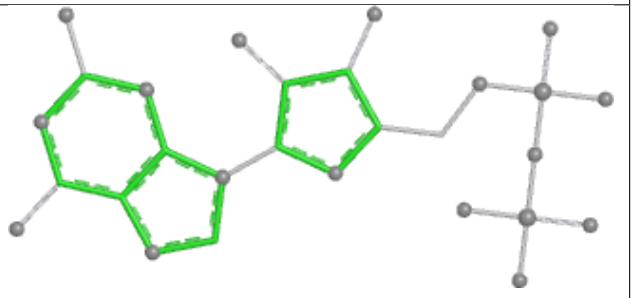
Bond lengths



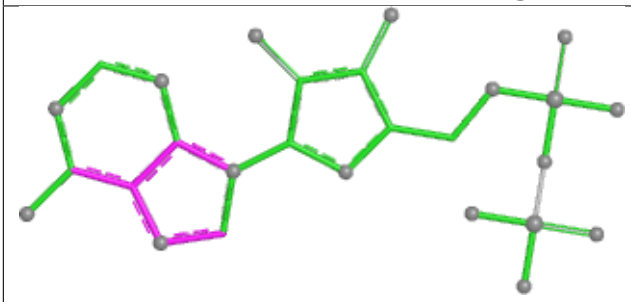
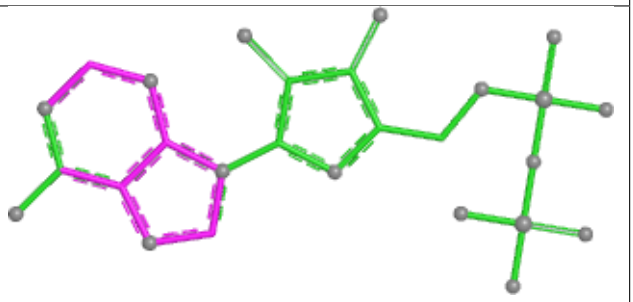
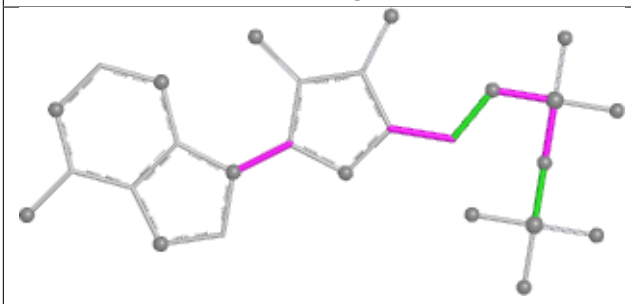
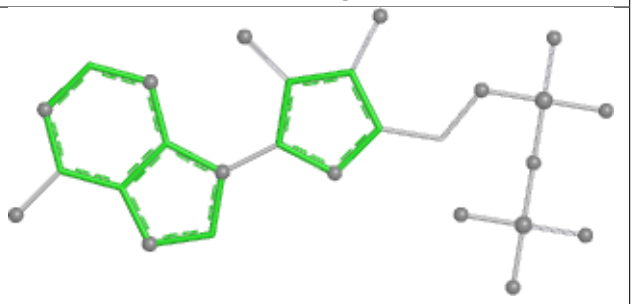
Bond angles

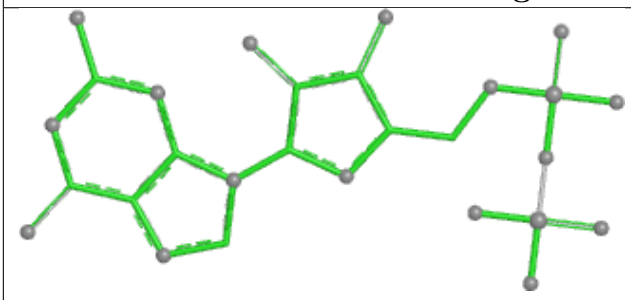
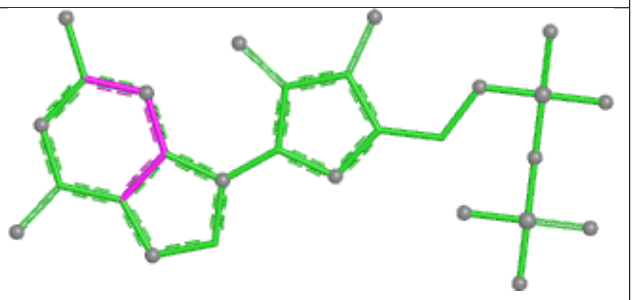
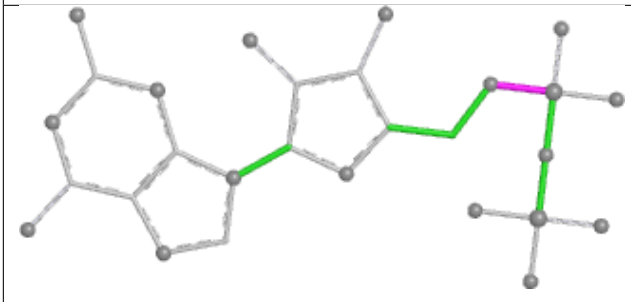
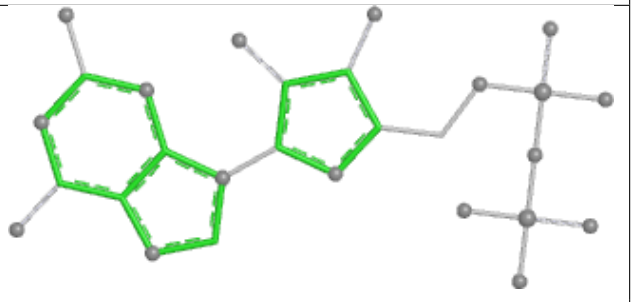


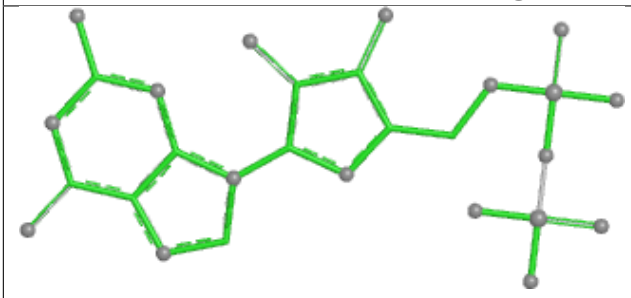
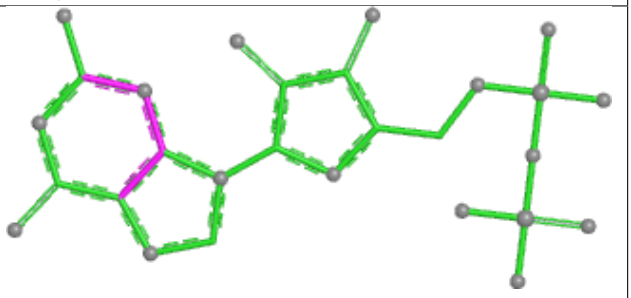
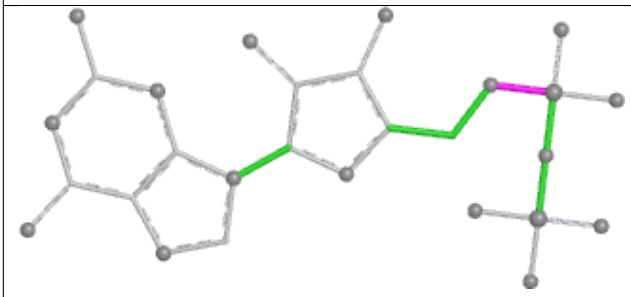
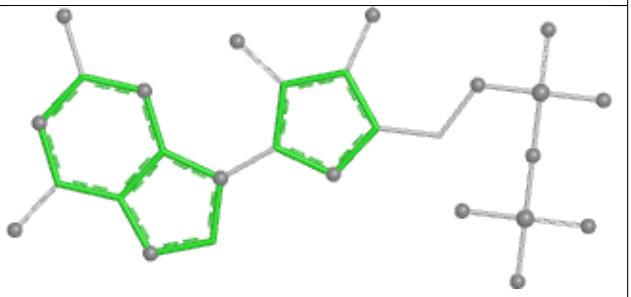
Torsions

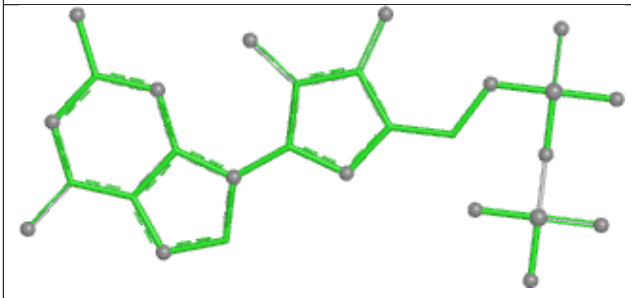
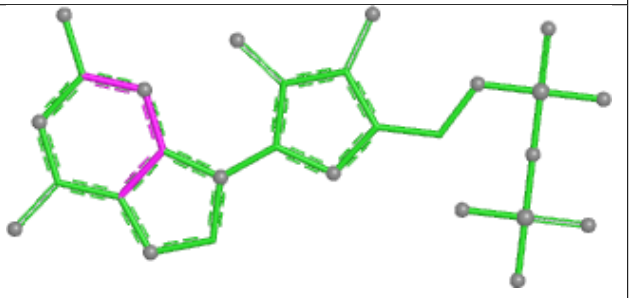
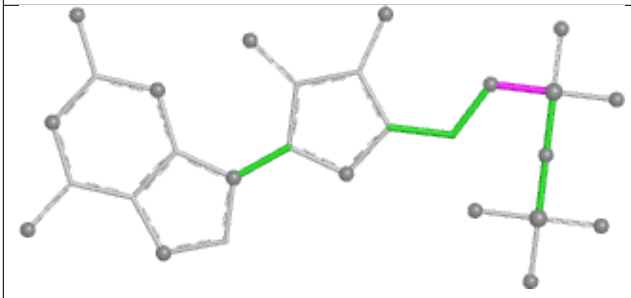
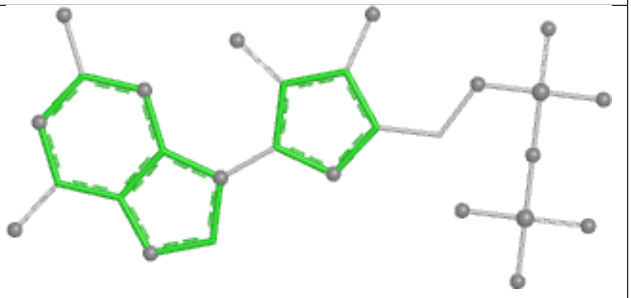


Rings

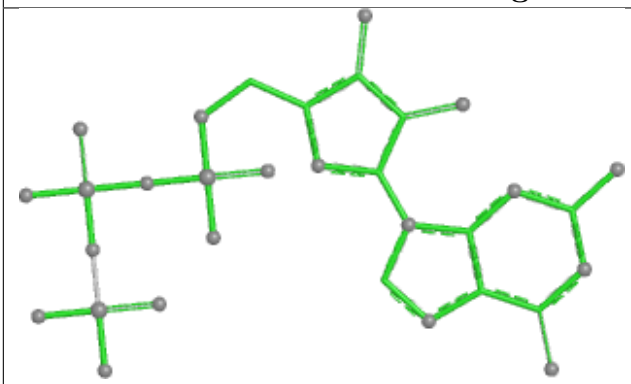
Ligand ADP 8f 4701	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP PJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

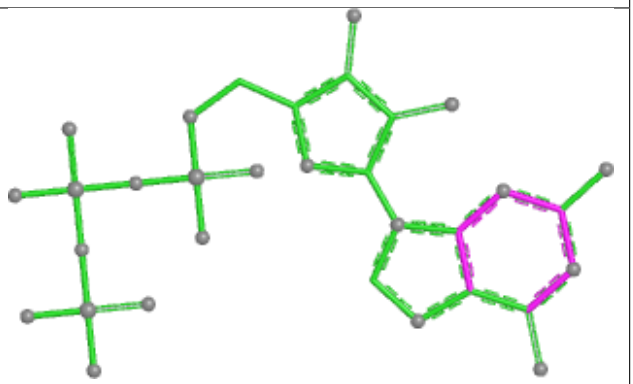
Ligand GDP QL 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP TB 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

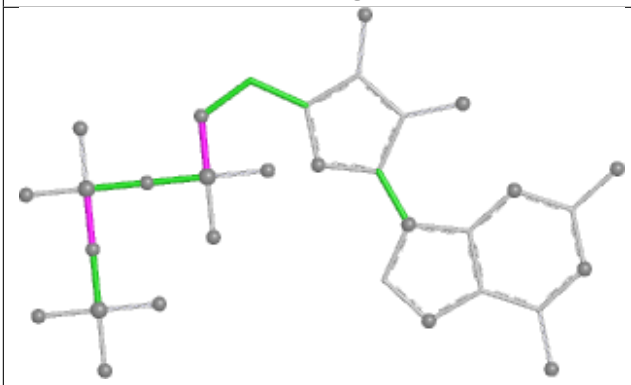
Ligand GTP LX 501



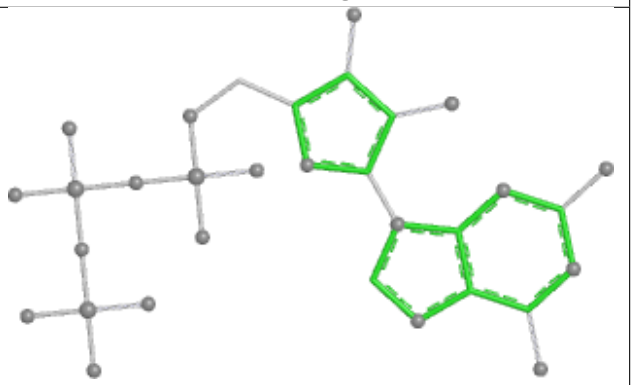
Bond lengths



Bond angles

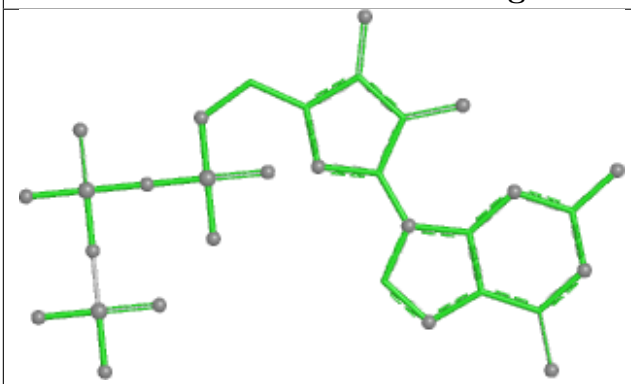


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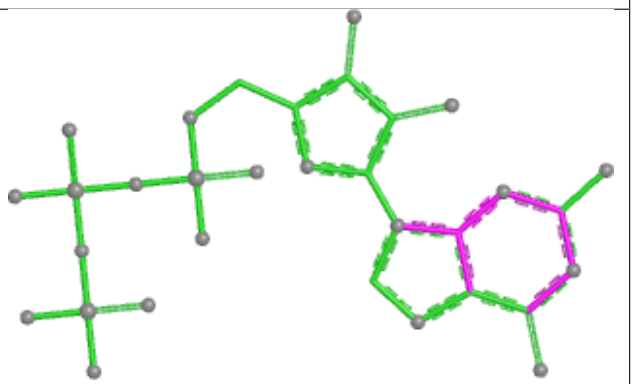


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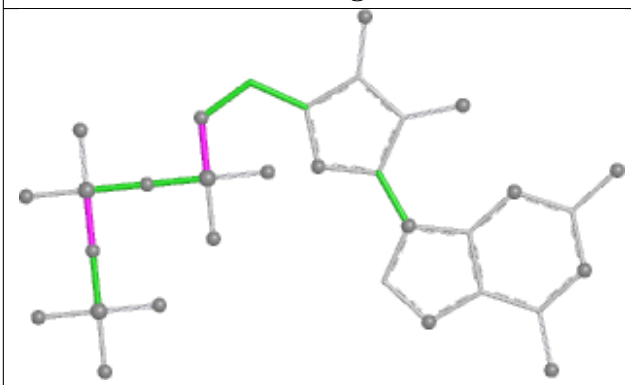
Ligand GTP YG 602



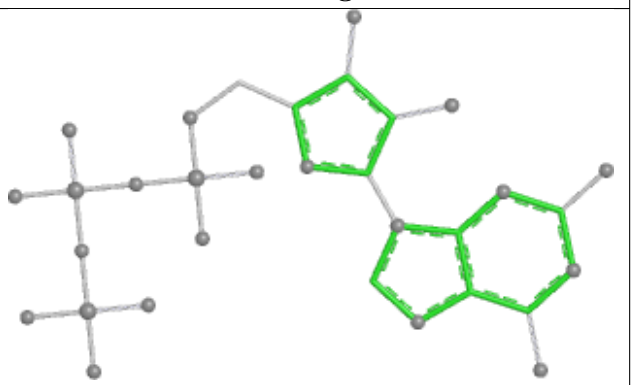
Bond lengths



Bond angles

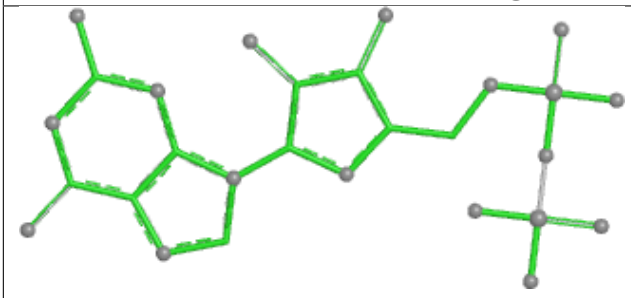


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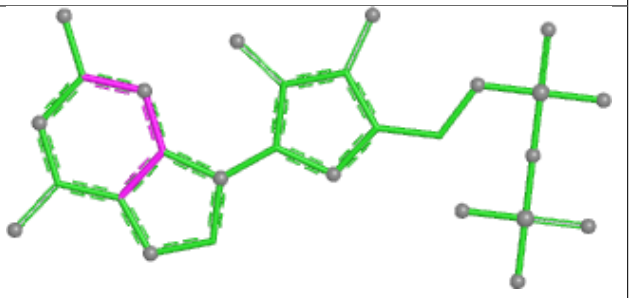


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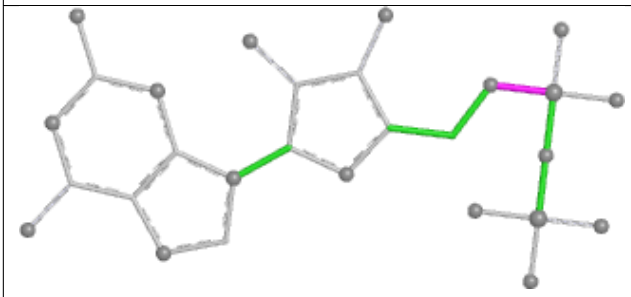
Ligand GDP VV 501



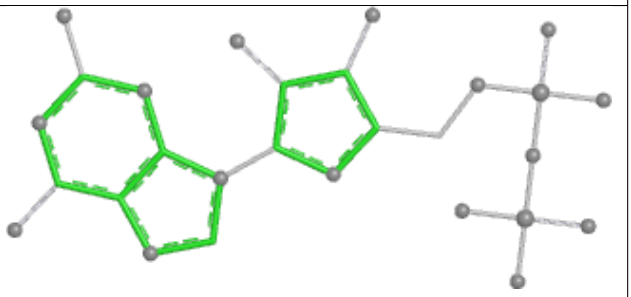
Bond lengths



Bond angles

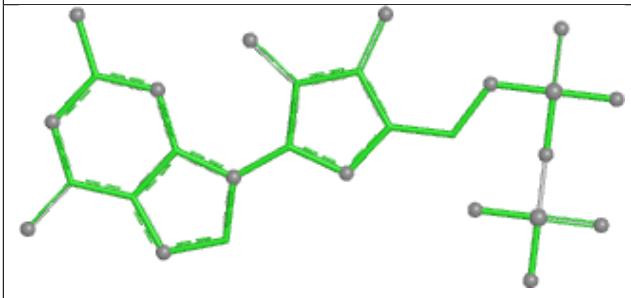


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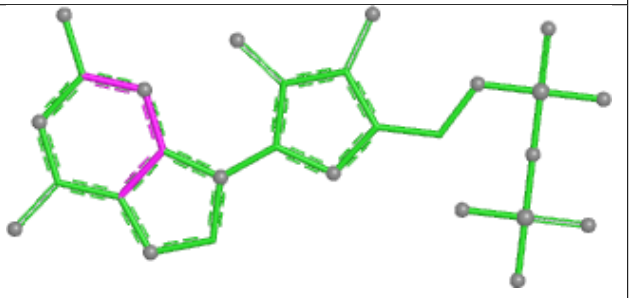


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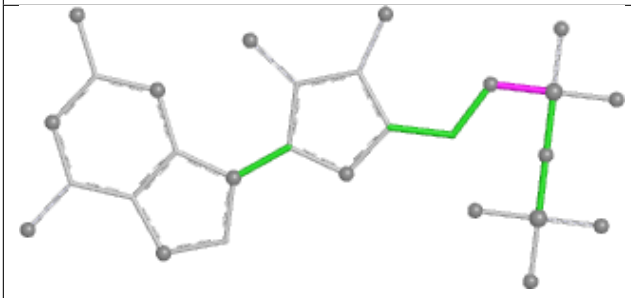
Ligand GDP LK 501



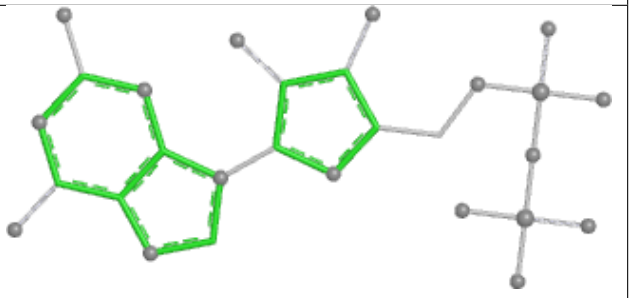
Bond lengths



Bond angles

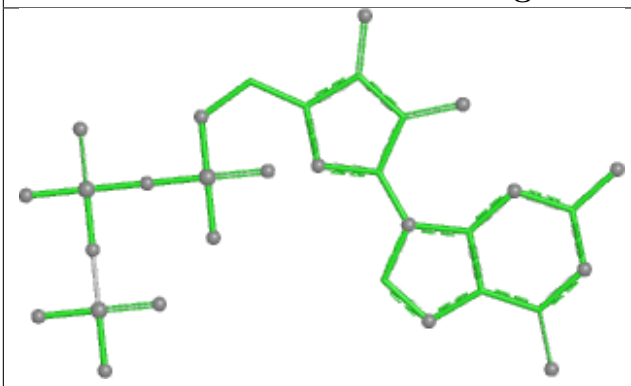


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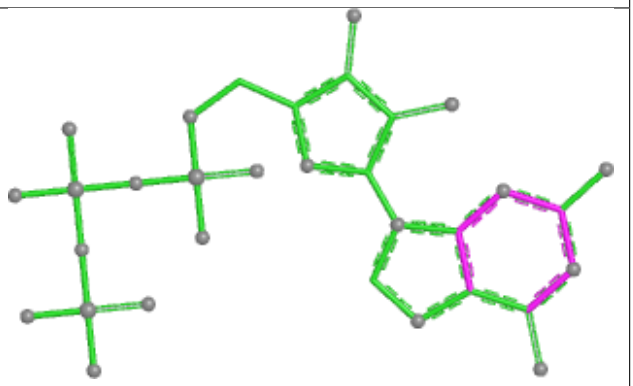


Rings

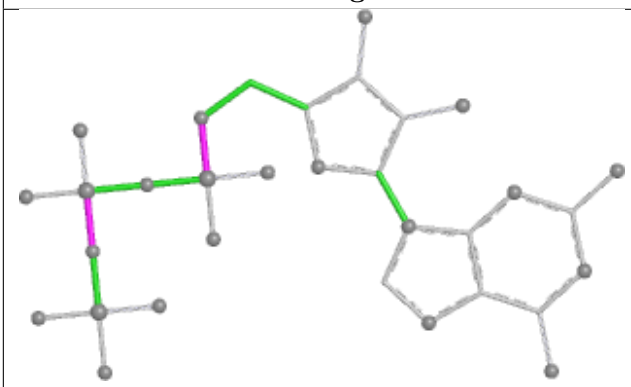
Ligand GTP LT 602



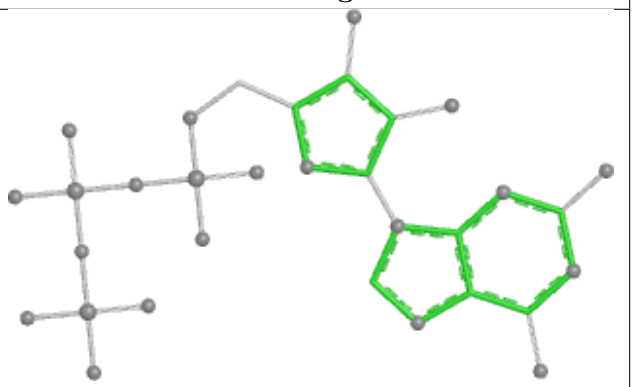
Bond lengths



Bond angles

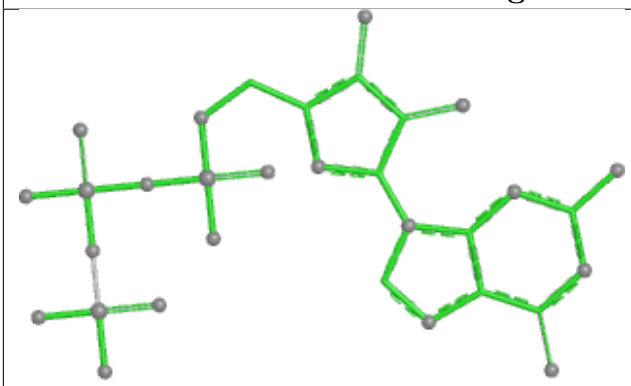


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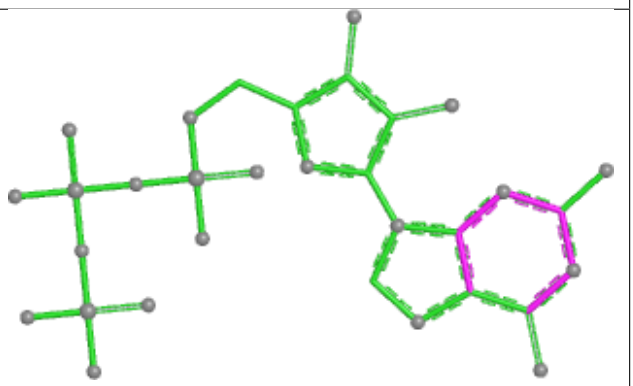


Rings

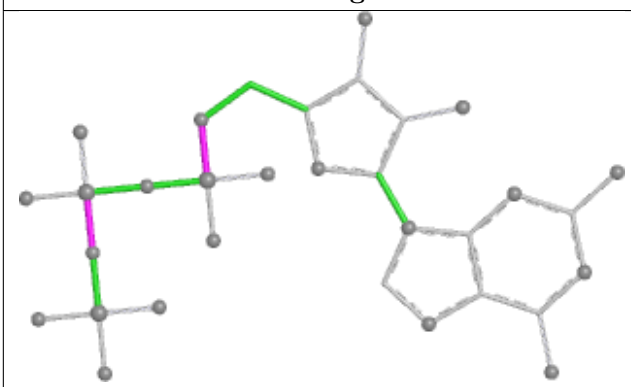
Ligand GTP KH 501



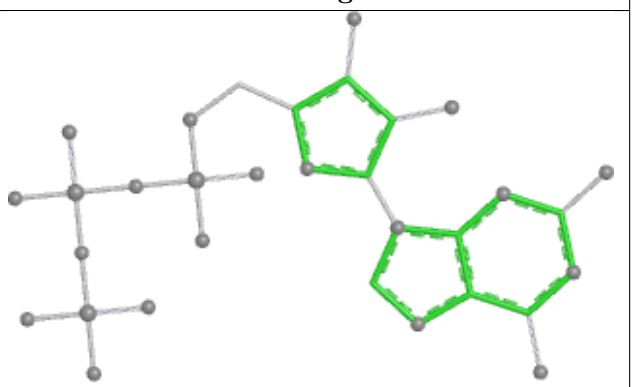
Bond lengths



Bond angles

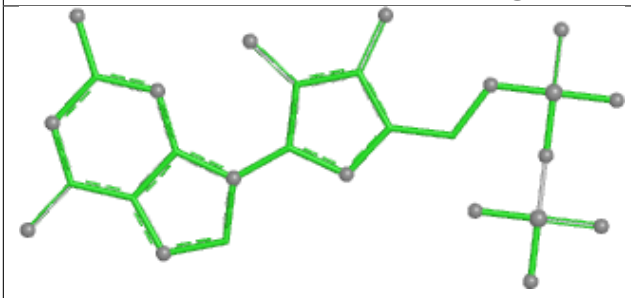


Torsions

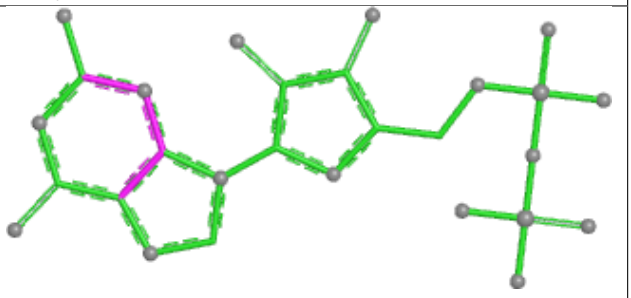


Rings

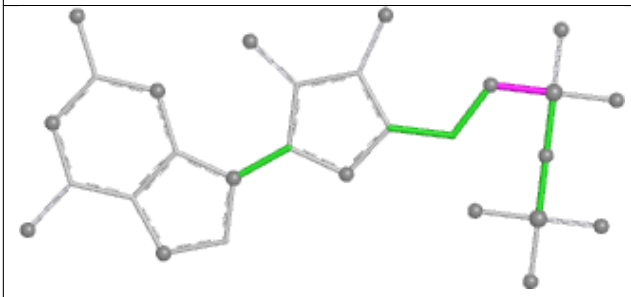
Ligand GDP QP 501



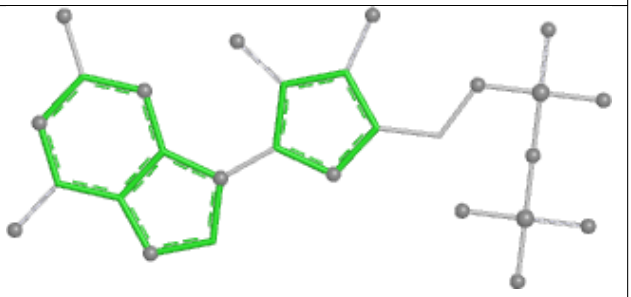
Bond lengths



Bond angles

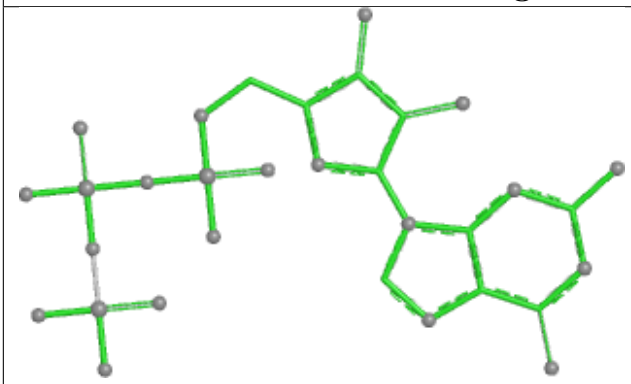


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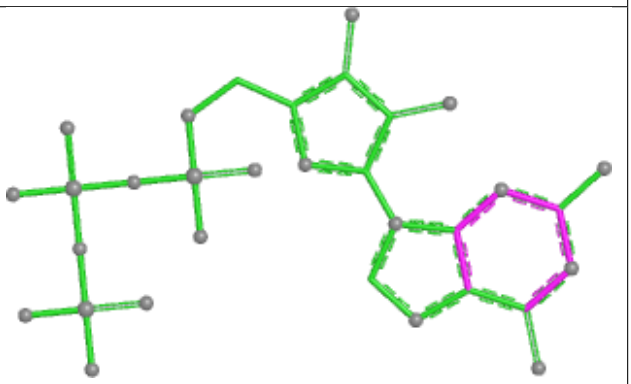


Rings

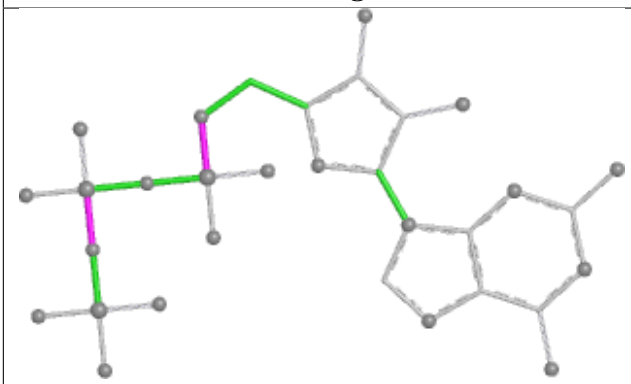
Ligand GTP PS 501



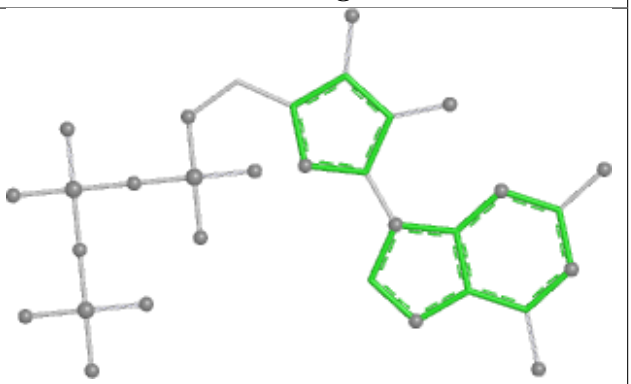
Bond lengths



Bond angles

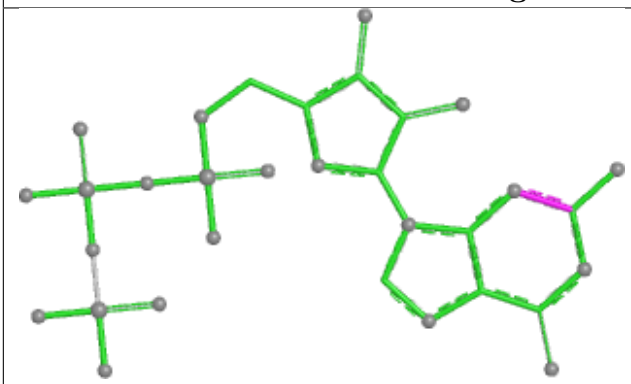


Torsions

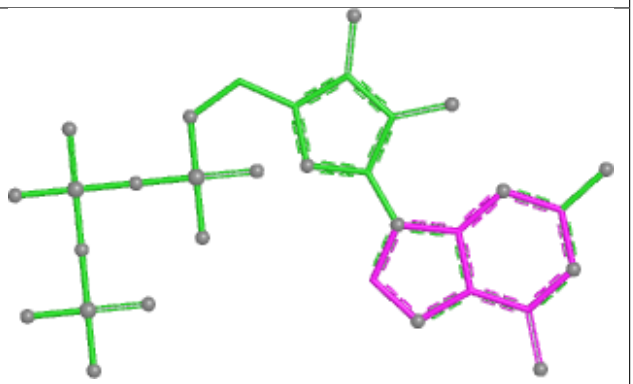


Rings

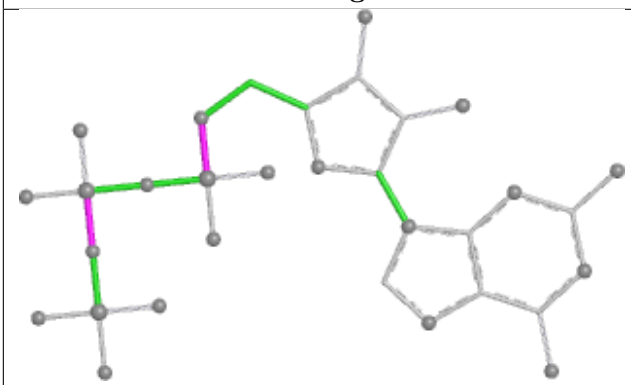
Ligand GTP AB 602



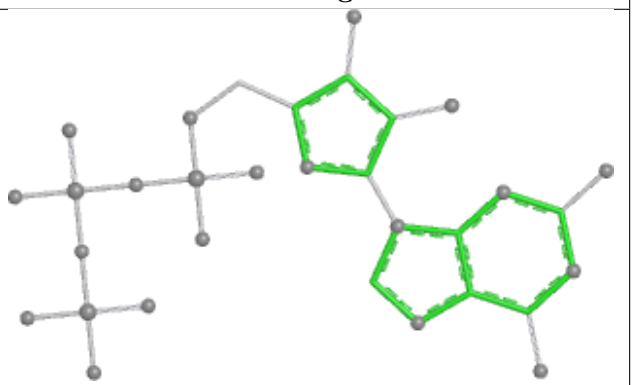
Bond lengths



Bond angles

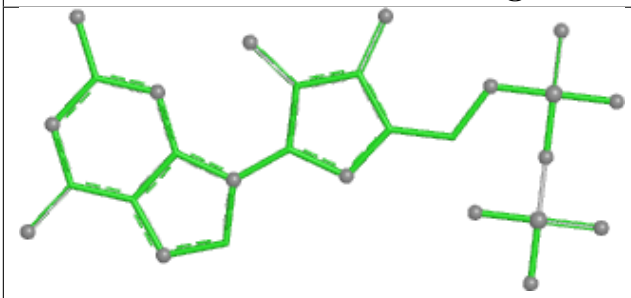


Torsions

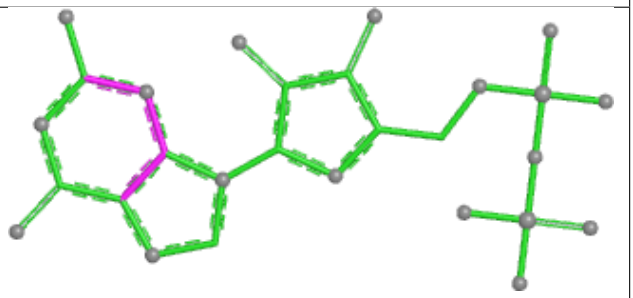


Rings

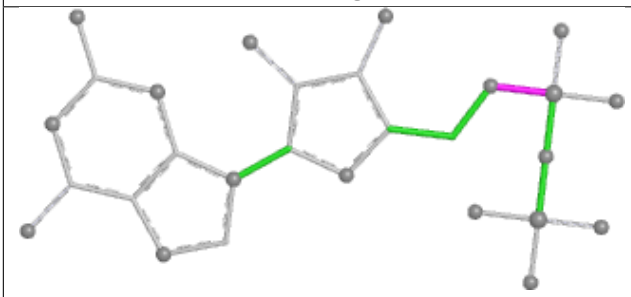
Ligand GDP GN 501



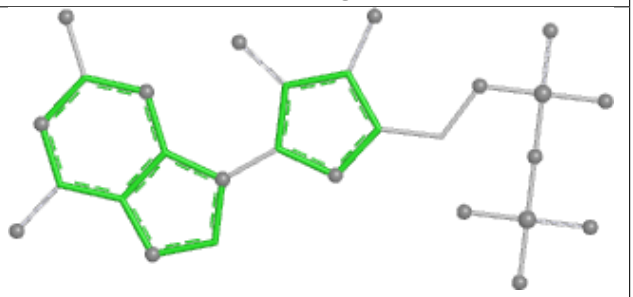
Bond lengths



Bond angles

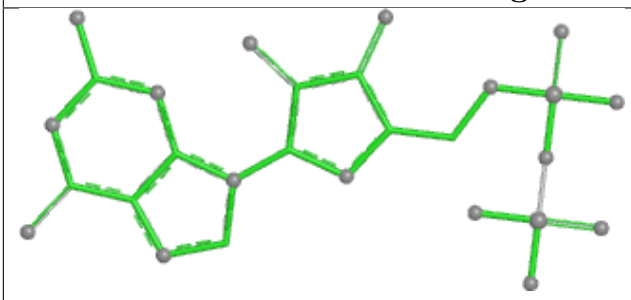


Torsions

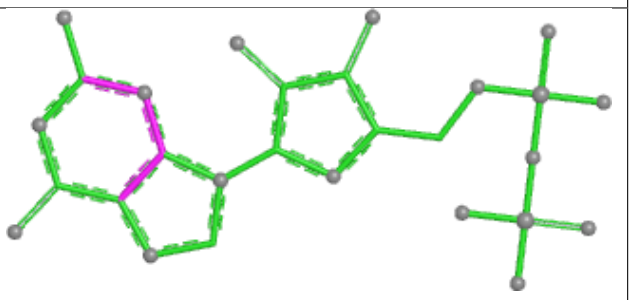


Rings

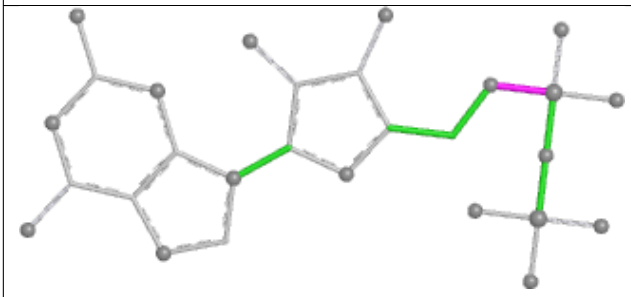
Ligand GDP FB 501



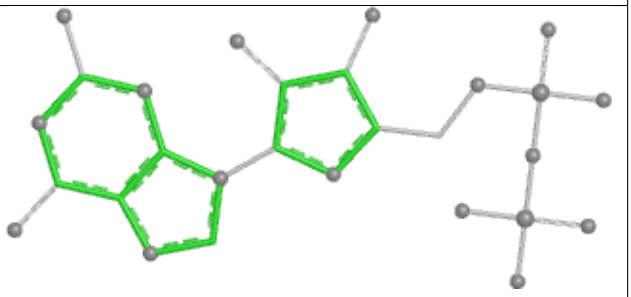
Bond lengths



Bond angles



Torsions



Rings

4.7 Other polymers

There are no such residues in this entry.

4.8 Polymer linkage issues

There are no chain breaks in this entry.

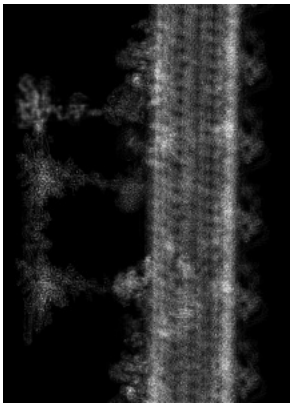
5 Map visualisation

This section contains visualisations of the EMDB entry EMD-47524. These allow visual inspection of the internal detail of the map and identification of artifacts.

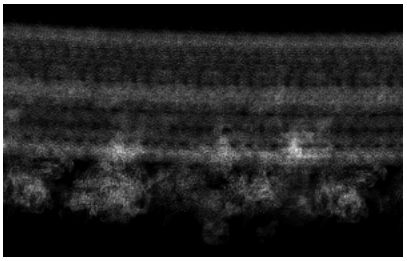
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

5.1 Orthogonal projections

5.1.1 Primary map



X



Y

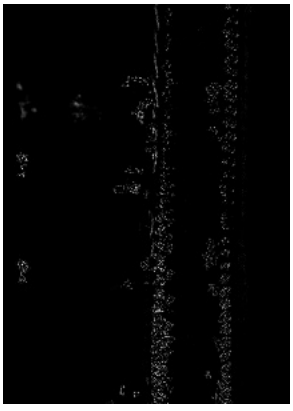


Z

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

5.2 Central slices

5.2.1 Primary map



X Index: 380



Y Index: 430

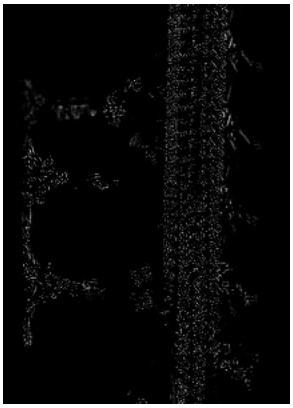


Z Index: 600

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

5.3 Largest variance slices (i)

5.3.1 Primary map



X Index: 314



Y Index: 676

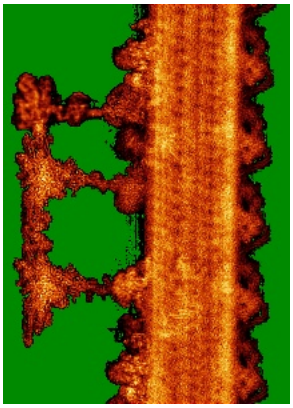


Z Index: 362

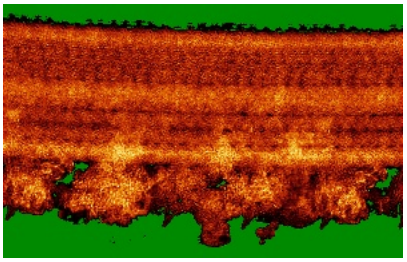
The images above show the largest variance slices of the map in three orthogonal directions.

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

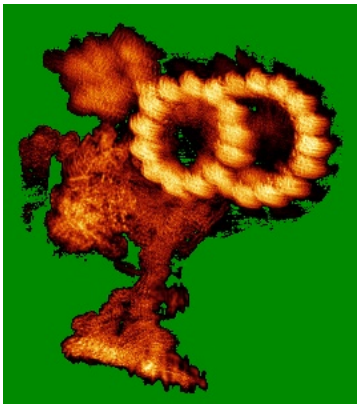
5.4.1 Primary map



X



Y

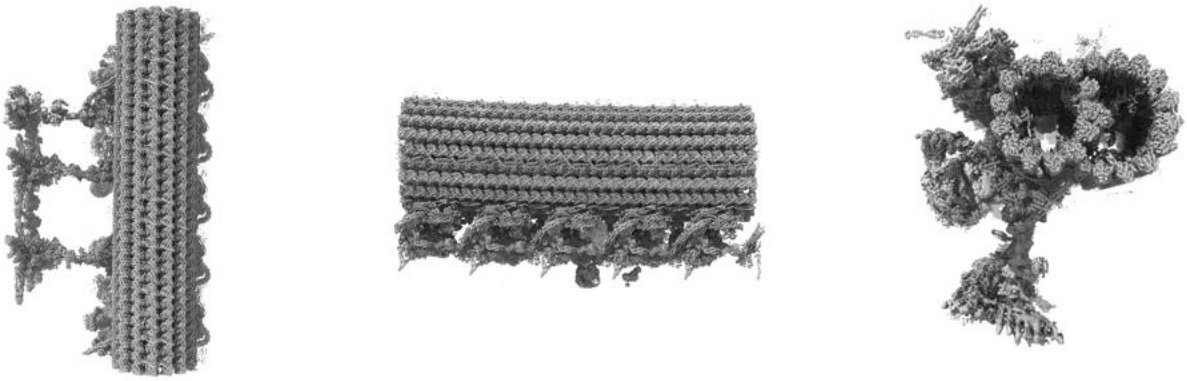


Z

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

5.5 Orthogonal surface views (i)

5.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.15. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

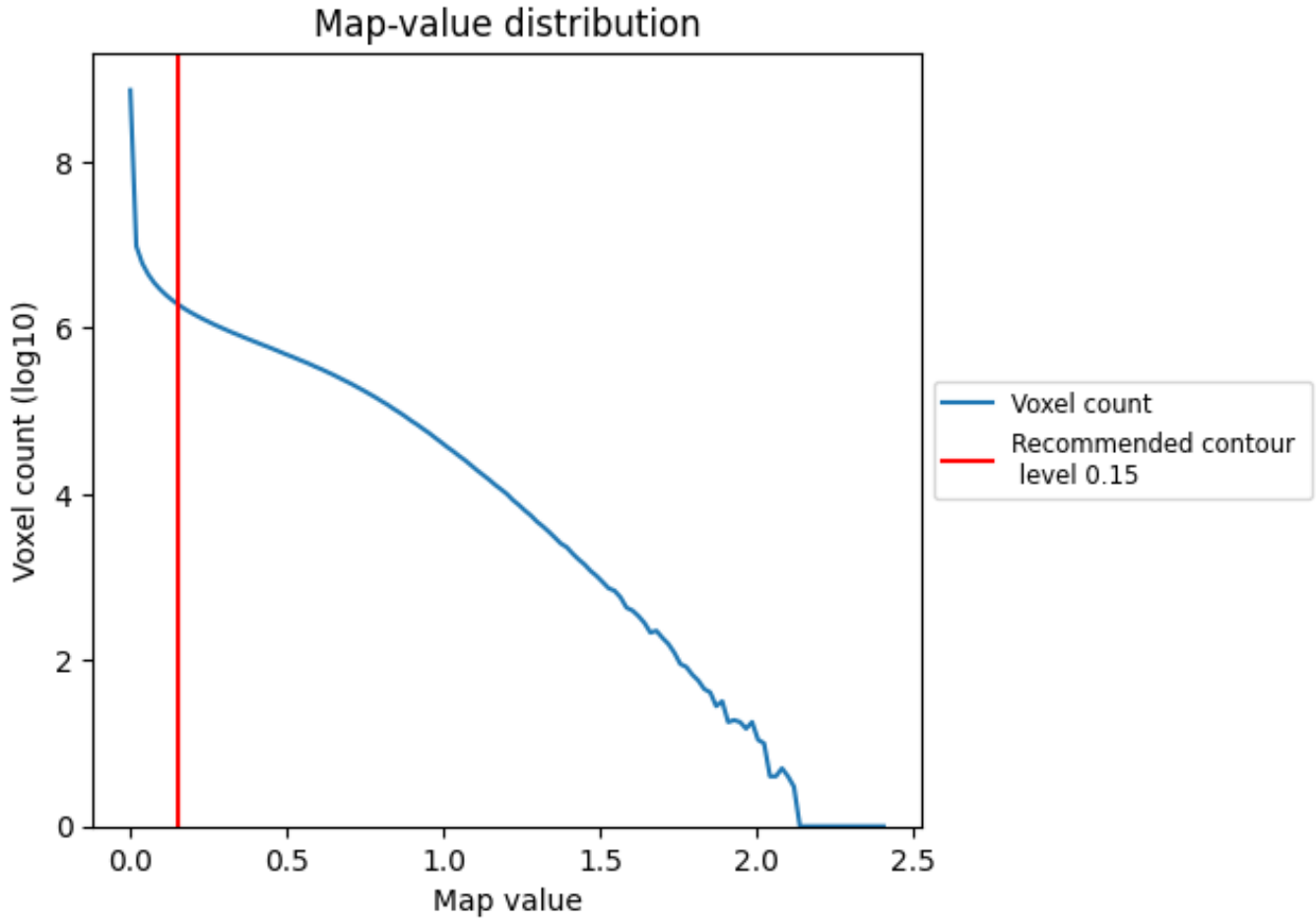
5.6 Mask visualisation (i)

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

6 Map analysis

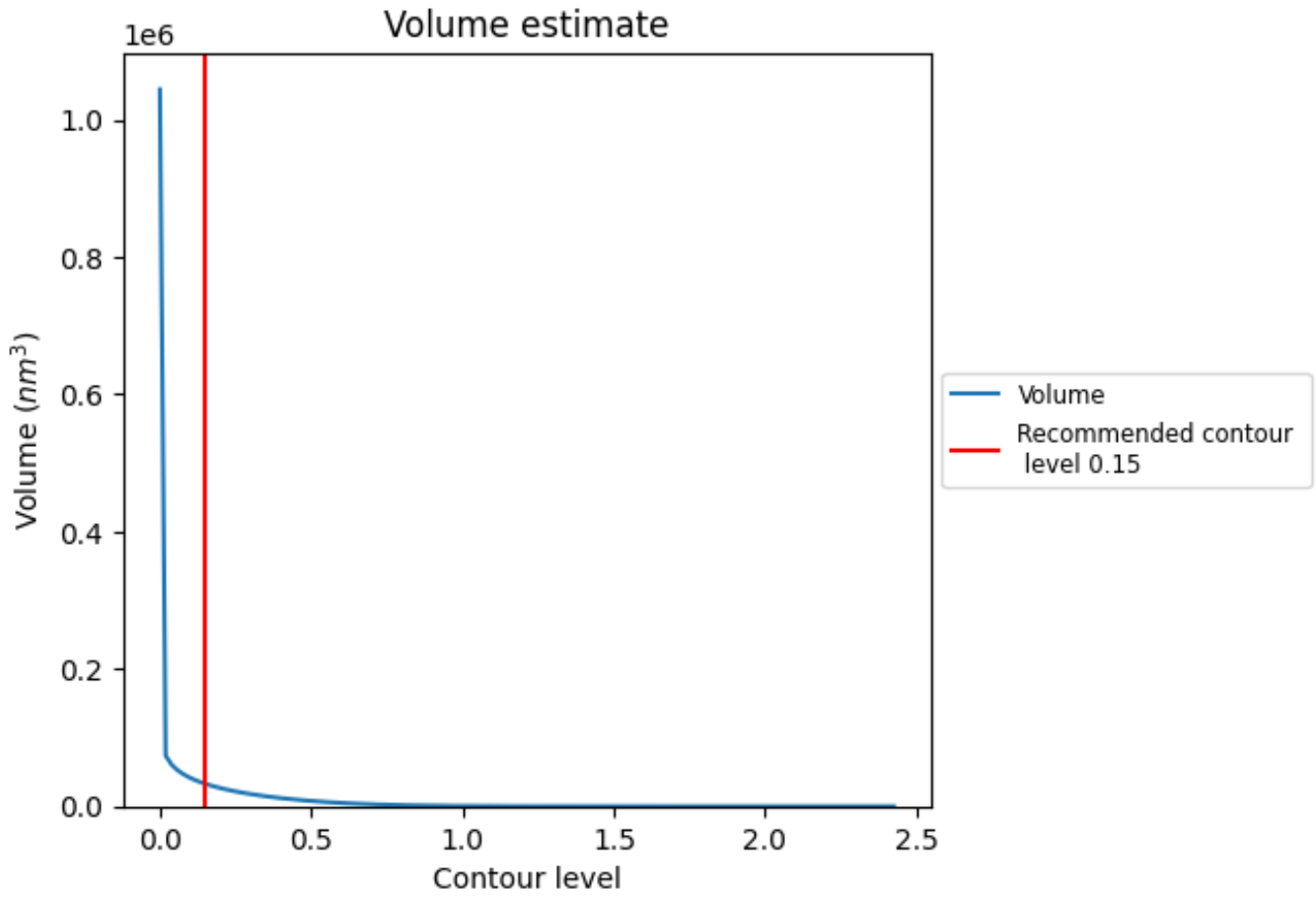
This section contains the results of statistical analysis of the map.

6.1 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.

6.2 Volume estimate



The volume at the recommended contour level is 32681 nm^3; this corresponds to an approximate mass of 29522 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.

6.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum is only generated for cubic maps.

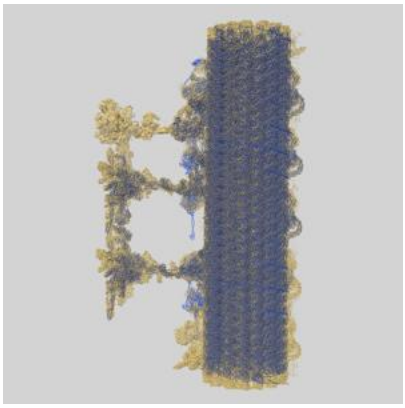
7 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

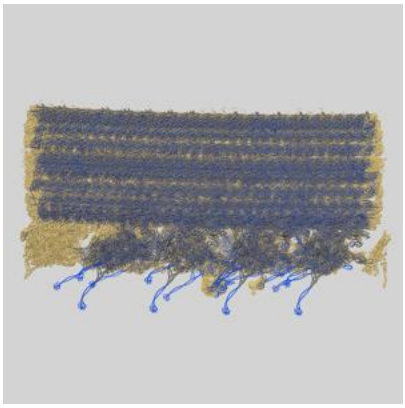
8 Map-model fit

This section contains information regarding the fit between EMDB map EMD-47524 and PDB model 9E5C. Per-residue inclusion information can be found in section **??** on page **??**.

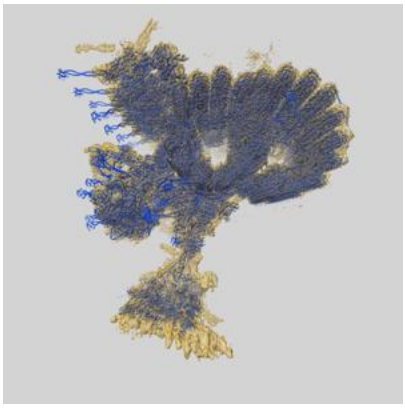
8.1 Map-model overlay



X



Y



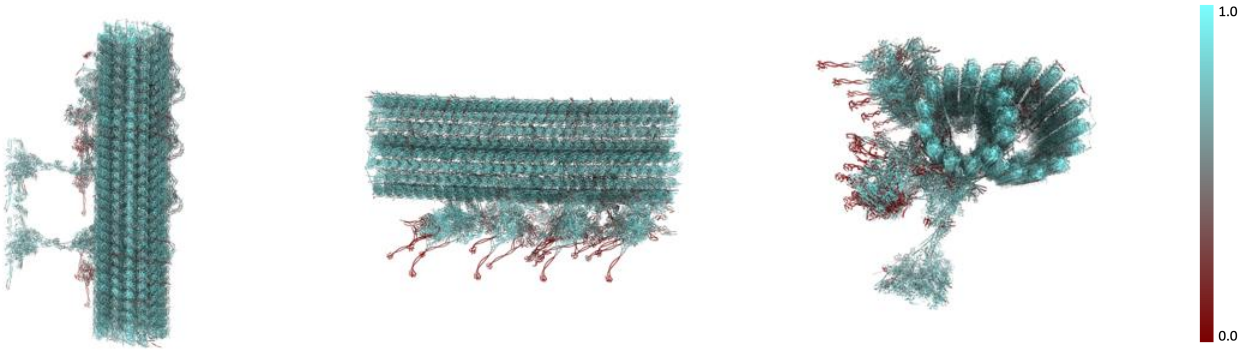
Z

The images above show the 3D surface view of the map at the recommended contour level 0.15 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.

8.2 Q-score mapped to coordinate model

This section was not generated.

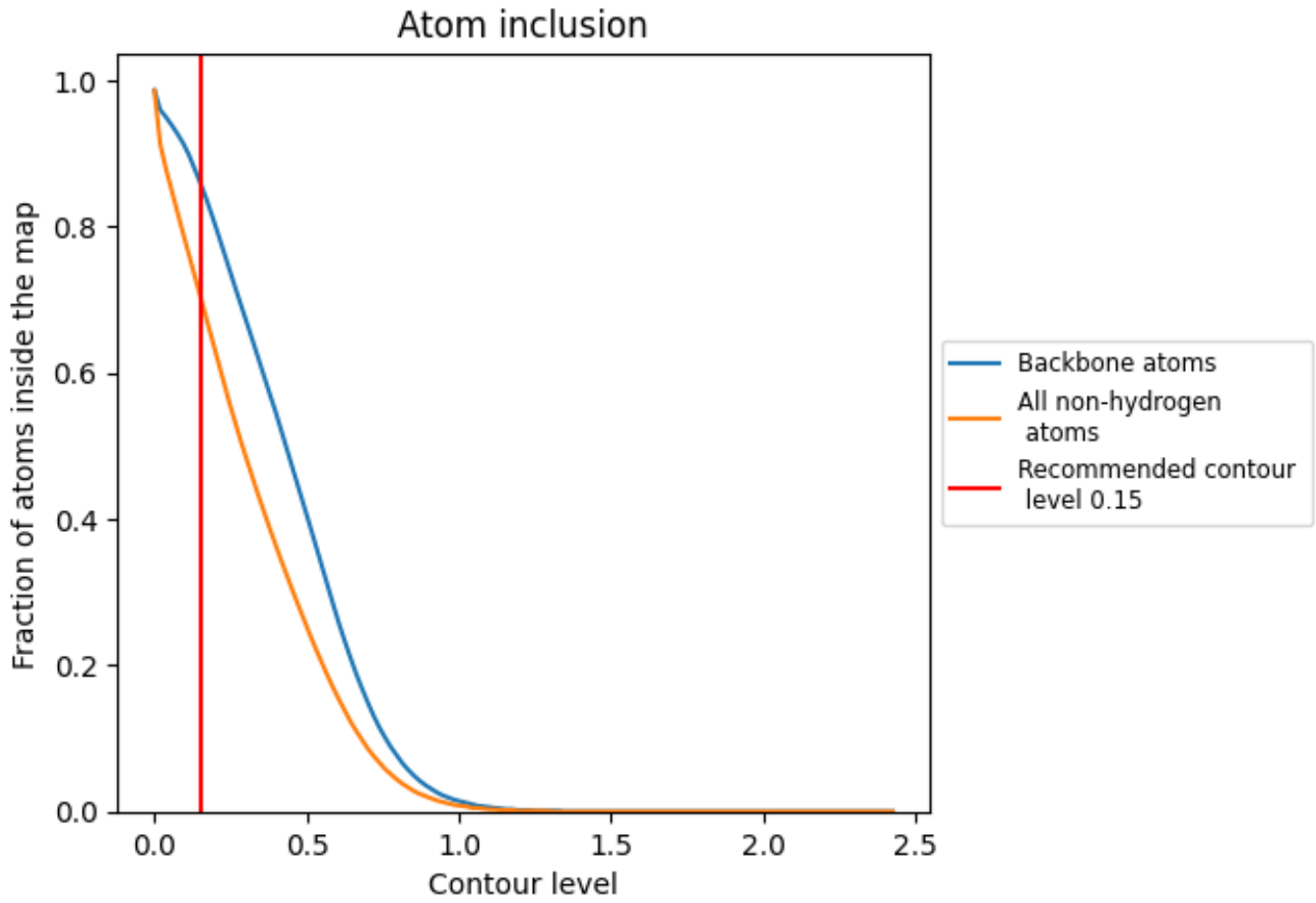
8.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.15).

8.4 Atom inclusion (i)



At the recommended contour level, 86% of all backbone atoms, 70% of all non-hydrogen atoms, are inside the map.

8.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.15) and Q-score for the entire model and for each chain.

Chain	Atom inclusion
All	0.7050
0A	0.6470
0B	0.6610
0C	0.6720
0D	0.6540
0E	0.6770
0F	0.6060
0G	0.6650
0H	0.6830
0I	0.6690
0J	0.7060
0K	0.7160
0L	0.7090
0M	0.5530
0N	0.6670
0O	0.8180
0P	0.8210
0Q	0.8200
0R	0.7930
0S	0.7890
0T	0.7960
0U	0.6580
0V	0.6470
0W	0.6740
0X	0.6540
0Y	0.6300
0Z	0.6190
0a	0.6390
0b	0.6470
0c	0.6700
0d	0.6740
0e	0.6450
0f	0.6540
0g	0.3530
0h	0.4940



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Chain	Atom inclusion
0i	0.3000
0j	0.5490
0k	0.3870
0l	0.5390
0m	0.4100
0n	0.5720
0o	0.3300
0p	0.5140
0q	0.8510
0r	0.7550
0s	0.7210
0t	0.4600
0u	0.4960
0v	0.6890
0w	0.6480
0x	0.6380
0y	0.6450
0z	0.5820
1A	0.6190
1B	0.6550
1C	0.7760
1D	0.7870
1E	0.7020
1F	0.7330
1G	0.7650
1H	0.7260
1I	0.7440
1J	0.6640
1K	0.6970
1L	0.6040
1M	0.6110
1N	0.3830
1O	0.3940
1P	0.6070
1Q	0.6530
1R	0.6590
1S	0.6940
1T	0.8010
1U	0.8070
1V	0.8080
1W	0.7300
1X	0.7500

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Chain	Atom inclusion
1Y	0.8280
1Z	0.8230
1a	0.4880
1b	0.4490
1c	0.4610
1d	0.3930
1e	0.5410
1f	0.5360
1g	0.6060
1h	0.5710
1i	0.7950
1j	0.5320
1k	0.5210
1l	0.4410
1m	0.6020
1n	0.5350
1o	0.5650
1p	0.1330
1r	0.4290
1t	0.5310
2A	0.7170
2B	0.7490
2C	0.7100
2D	0.7890
2E	0.7680
2F	0.7900
2G	0.7100
2H	0.7510
2I	0.7220
2J	0.7610
2K	0.7670
2L	0.7560
2M	0.7510
2N	0.7530
2O	0.7130
2P	0.6940
2Q	0.7210
2R	0.7070
2S	0.7410
2T	0.6890
2U	0.7970
2V	0.8030

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Chain	Atom inclusion
2W	0.8040
2X	0.6800
2Y	0.6790
2Z	0.6500
2a	0.7010
2b	0.6680
2c	0.6990
2d	0.6550
2e	0.6560
2f	0.6240
2g	0.6520
2h	0.6340
2i	0.6470
2j	0.6770
2k	0.6600
2l	0.7110
2m	0.7030
2n	0.6780
2o	0.7040
2p	0.6790
2q	0.7340
2r	0.6410
2s	0.7200
2t	0.6350
2u	0.6720
2v	0.7130
2w	0.6060
2x	0.7020
2y	0.5950
2z	0.7310
3A	0.7040
3B	0.6950
3C	0.7210
3D	0.7040
3E	0.8290
3F	0.8090
3G	0.8350
3H	0.8160
3I	0.8320
3J	0.3940
3K	0.5400
3L	0.7300

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Chain	Atom inclusion
3M	0.7960
3N	0.7180
3O	0.7720
3P	0.7620
3Q	0.7730
3R	0.7550
3S	0.8050
3T	0.7200
3U	0.7270
3V	0.7670
3W	0.7540
3X	0.7350
3Y	0.7300
3Z	0.7970
3a	0.6540
3b	0.7070
3c	0.6690
3d	0.7110
3e	0.5170
3f	0.7150
3g	0.4540
3h	0.7350
3i	0.7180
3j	0.5890
3k	0.7640
3l	0.6770
3m	0.6480
3o	0.6840
3p	0.6160
3q	0.6720
3r	0.6410
3s	0.6690
3t	0.6480
3u	0.6840
3v	0.6570
3w	0.6740
3x	0.6610
3y	0.7420
3z	0.7060
4A	0.7410
4B	0.7630
4C	0.7770

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Chain	Atom inclusion
4D	0.8150
4E	0.7860
4F	0.8090
4G	0.7980
4H	0.7960
4I	0.7530
4J	0.7980
4K	0.8100
4L	0.8100
4M	0.7370
4N	0.7680
4O	0.7280
4P	0.7100
4Q	0.7680
4R	0.7450
4S	0.7460
4T	0.8130
4U	0.7300
4V	0.7180
4W	0.7350
4X	0.7170
4Y	0.7350
4Z	0.7130
4a	0.6670
4b	0.6580
4c	0.7210
4d	0.7370
4e	0.7800
4f	0.7760
4g	0.7880
4h	0.8020
4i	0.7890
4j	0.7930
4k	0.6070
4l	0.5990
4m	0.6470
4n	0.5290
4o	0.6530
4p	0.6990
4q	0.6550
4r	0.7070
4s	0.7130

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Chain	Atom inclusion
4t	0.7100
4u	0.6680
4v	0.6900
4w	0.6280
4x	0.8260
4y	0.6250
4z	0.6170
5A	0.6530
5B	0.5890
5C	0.7440
5D	0.7450
5E	0.7390
5F	0.7590
5G	0.7480
5H	0.7590
5I	0.7370
5J	0.8010
5K	0.6760
5L	0.7920
5M	0.7560
5N	0.7520
5O	0.7190
5P	0.7340
5Q	0.7480
5R	0.7410
5S	0.5740
5T	0.6260
5U	0.6150
5V	0.5800
5W	0.5650
5X	0.5560
5Y	0.6370
5Z	0.6330
5a	0.7430
5b	0.6460
5c	0.6780
5d	0.5580
5e	0.8220
5f	0.7390
5g	0.6660
5h	0.7360
5i	0.5760

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Chain	Atom inclusion
5j	0.6360
5k	0.4240
5l	0.7160
5m	0.7910
5n	0.6840
5o	0.6790
5p	0.8410
5q	0.6570
5r	0.6080
5s	0.7080
5t	0.6740
5u	0.7880
5v	0.8110
5w	0.8320
5x	0.9130
5y	0.9420
6A	0.6450
6B	0.6020
6C	0.6540
6D	0.6240
6E	0.5880
6F	0.6010
6G	0.5990
6H	0.5930
6I	0.5660
6J	0.5640
6K	0.5810
6L	0.4670
6M	0.5480
6N	0.5440
6O	0.4750
6P	0.5320
6Q	0.4560
6R	0.7150
6S	0.6780
6T	0.6830
6U	0.5870
6V	0.6030
6W	0.5990
6X	0.4740
6Y	0.6210
6Z	0.6140

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Chain	Atom inclusion
6a	0.3090
6b	0.7140
6c	0.3820
6d	0.2500
6e	0.3700
6f	0.6910
6g	0.6640
6h	0.7320
6i	0.5610
6j	0.7250
6k	0.7020
6l	0.6990
6m	0.7180
6n	0.5880
6o	0.6870
6p	0.7180
6q	0.6320
6r	0.7080
6s	0.6320
6t	0.5920
6u	0.6870
7A	0.5960
7B	0.6500
7C	0.6360
7D	0.6250
7E	0.5680
7F	0.6130
7G	0.6140
7H	0.3780
7I	0.5370
7J	0.4930
7K	0.3630
7L	0.5920
7M	0.5340
7N	0.6570
7O	0.7010
7P	0.6490
7Q	0.7470
7R	0.7520
7S	0.7420
7T	0.8200
7U	0.8450

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Chain	Atom inclusion
7V	0.4570
7W	0.6160
7X	0.4950
7Y	0.4800
7Z	0.6040
7a	0.6460
7b	0.6370
7c	0.7090
7d	0.8130
7e	0.6260
7f	0.6100
7g	0.6710
7h	0.6720
7i	0.3410
7j	0.6910
7k	0.6110
7l	0.6760
7m	0.6560
7n	0.6730
7o	0.5830
7p	0.6100
7q	0.4240
7r	0.5890
7s	0.4680
7t	0.3880
8A	0.5110
8B	0.4240
8C	0.5990
8D	0.3040
8E	0.4270
8F	0.3560
8G	0.3510
8H	0.4120
8I	0.3500
8J	0.3100
8K	0.4040
8L	0.8400
8M	0.3990
8N	0.5990
8O	0.5570
8P	0.4020
8Q	0.6090

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Chain	Atom inclusion
8R	0.5520
8S	0.3750
8T	0.5910
8U	0.3290
8V	0.6060
8W	0.2350
8X	0.3350
8Y	0.5790
8Z	0.3010
8c	0.7030
8d	0.8140
8e	0.6220
8f	0.6020
8g	0.6620
8h	0.6640
8i	0.3170
8j	0.6730
8k	0.6170
8l	0.6640
8m	0.6580
8n	0.6320
8o	0.5580
8p	0.5370
8q	0.4390
8r	0.5720
8s	0.5410
8t	0.4910
9A	0.3390
9B	0.5750
9C	0.5160
9D	0.5290
9E	0.6280
9F	0.6500
9G	0.6690
9H	0.6670
9I	0.6580
9J	0.6800
9K	0.6960
9L	0.6570
9M	0.3730
9N	0.2980
9O	0.0990

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Chain	Atom inclusion
9P	0.3790
9Q	0.3200
9R	0.1120
9S	0.3710
9T	0.4150
9U	0.5130
9V	0.4440
9W	0.5880
9X	0.6200
9Y	0.5780
9Z	0.5180
9a	0.6360
9b	0.6010
9c	0.7090
9d	0.8050
9e	0.6260
9f	0.6080
9g	0.6660
9h	0.6760
9i	0.3430
9j	0.6940
9k	0.6170
9l	0.6710
9m	0.6630
9n	0.6770
9o	0.5810
9p	0.6080
9q	0.4300
9r	0.5900
9s	0.5380
9t	0.4880
AA	0.7700
AB	0.7700
AC	0.7800
AD	0.7740
AE	0.7750
AF	0.7480
AG	0.7690
AH	0.7890
AI	0.8020
AJ	0.7980
AK	0.8120

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Chain	Atom inclusion
AL	0.8120
AM	0.8000
AN	0.8050
AO	0.8000
AP	0.8060
AQ	0.8050
AR	0.7890
AS	0.7920
AT	0.7410
AU	0.7450
AV	0.7080
AW	0.7120
AX	0.7570
AY	0.7710
AZ	0.7770
Aa	0.7790
Ab	0.7890
Ac	0.8020
Ad	0.8000
Ae	0.7960
Af	0.7680
Ag	0.7720
Ah	0.7840
Ai	0.7680
Aj	0.7810
Ak	0.7840
Al	0.7850
Am	0.7700
An	0.7310
Ao	0.7280
Ap	0.7510
BA	0.7840
BB	0.7770
BC	0.7500
BD	0.7550
BF	0.7240
BG	0.7430
BH	0.7310
BI	0.7170
BJ	0.7160
BK	0.7430
BL	0.7700

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Chain	Atom inclusion
BM	0.7960
BN	0.7700
BO	0.7920
BP	0.7750
BQ	0.7690
BR	0.7580
BS	0.7790
BT	0.7850
BU	0.7820
BV	0.7680
BW	0.7770
BX	0.7250
BY	0.6990
BZ	0.6860
CA	0.6810
CB	0.7140
CC	0.7380
CD	0.7350
CE	0.7400
CF	0.7330
CH	0.7160
CI	0.7290
CJ	0.7130
CK	0.7300
CL	0.7250
CM	0.7170
CN	0.7270
CO	0.7470
CP	0.7570
CQ	0.7910
CR	0.7750
CS	0.8000
CT	0.7350
CU	0.7700
CV	0.7760
CW	0.7870
CX	0.7950
CY	0.8100
CZ	0.7510
DA	0.7690
DB	0.7240
DC	0.7310

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Chain	Atom inclusion
DD	0.7400
DE	0.7010
DF	0.6650
DG	0.6950
DH	0.7070
DI	0.7360
DJ	0.7230
DK	0.7840
DL	0.7590
DM	0.6900
DN	0.7010
DO	0.7210
DP	0.7790
DQ	0.7780
DR	0.7960
DS	0.7410
DT	0.7800
DU	0.7800
DV	0.7910
DW	0.7530
DX	0.8010
DY	0.7900
DZ	0.7900
EA	0.7920
EB	0.7820
EC	0.7690
ED	0.7760
EE	0.7430
EF	0.7810
EG	0.7860
EH	0.7080
EI	0.6850
EJ	0.6870
EK	0.6900
EL	0.7050
EM	0.7190
EN	0.7910
EO	0.7930
EQ	0.7660
ER	0.7370
ES	0.7100
ET	0.7680

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Chain	Atom inclusion
EU	0.7900
EV	0.8060
EW	0.7540
EX	0.7850
EY	0.7810
EZ	0.7970
FA	0.7640
FB	0.8000
FC	0.7960
FD	0.8120
FE	0.7740
FF	0.7850
FG	0.7740
FH	0.7730
FI	0.7430
FJ	0.7750
FK	0.8300
FL	0.8040
FM	0.7730
FN	0.7970
FO	0.7780
FP	0.7340
FQ	0.7360
FR	0.7850
FS	0.8400
FT	0.8300
FV	0.7950
FW	0.7450
FX	0.7400
FY	0.7480
FZ	0.7840
GA	0.7910
GB	0.8090
GC	0.7800
GD	0.8030
GE	0.7690
GF	0.7940
GG	0.7380
GH	0.7800
GI	0.7750
GJ	0.8030
GK	0.7850

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Chain	Atom inclusion
GL	0.8210
GM	0.8100
GN	0.8230
GO	0.8090
GP	0.8270
GQ	0.7940
GR	0.8180
GS	0.7950
GT	0.8000
GU	0.7540
GV	0.7830
GW	0.8320
GX	0.8320
GZ	0.8150
HA	0.8240
HB	0.7670
HC	0.7490
HD	0.7610
HE	0.8080
HF	0.8540
HG	0.8540
HH	0.8530
HI	0.8550
HJ	0.8470
HK	0.7930
HL	0.7670
HM	0.8250
HN	0.8200
HO	0.8460
HP	0.8510
HQ	0.8580
HR	0.8530
HS	0.8460
HT	0.8560
HU	0.8380
HV	0.8360
HW	0.8130
HX	0.8280
HY	0.8310
HZ	0.7710
IA	0.7610
IB	0.7860

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Chain	Atom inclusion
ID	0.8190
IE	0.8020
IF	0.7720
IG	0.7180
IH	0.7320
II	0.7510
IJ	0.8030
IK	0.7850
IL	0.8210
IM	0.8330
IN	0.7910
IO	0.7830
IP	0.7730
IQ	0.7930
IR	0.8240
IS	0.8220
IT	0.8330
IU	0.8110
IV	0.8340
IW	0.8200
IX	0.8570
IY	0.8150
IZ	0.8270
JA	0.8070
JB	0.8300
JC	0.8150
JD	0.7980
JE	0.7320
JF	0.7580
JG	0.8140
JH	0.8180
JI	0.8060
JJ	0.8050
JK	0.8110
JL	0.7980
JM	0.8230
JN	0.8260
JO	0.8350
JP	0.8100
JQ	0.8100
JR	0.8090
JS	0.8230

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Chain	Atom inclusion
JT	0.8400
JU	0.8250
JV	0.8260
JW	0.8350
JX	0.8280
JY	0.8270
JZ	0.8150
KA	0.8450
KB	0.8390
KC	0.8210
KD	0.8260
KE	0.8300
KF	0.8360
KG	0.8080
KH	0.8070
KI	0.8230
KJ	0.8130
KK	0.8070
KL	0.7910
KM	0.7960
KN	0.7810
KO	0.8090
KP	0.8010
KQ	0.8140
KR	0.8140
KS	0.8330
KT	0.8220
KU	0.8270
KV	0.8120
KW	0.8090
KX	0.7860
KY	0.8040
KZ	0.7970
LA	0.8040
LB	0.8060
LC	0.8040
LD	0.7870
LE	0.8110
LF	0.8170
LG	0.8130
LH	0.8090
LI	0.8050

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Chain	Atom inclusion
LJ	0.7920
LK	0.7930
LL	0.7830
LM	0.7990
LN	0.8090
LO	0.8730
LP	0.8760
LQ	0.8670
LR	0.8510
LS	0.8760
LT	0.8560
LU	0.8510
LV	0.8520
LW	0.8720
LX	0.8540
LY	0.8620
LZ	0.8590
MA	0.8700
MB	0.8740
MC	0.8620
MD	0.8480
ME	0.8690
MF	0.8600
MG	0.8510
MH	0.8530
MI	0.8710
MJ	0.8750
MK	0.8620
ML	0.8590
MM	0.8750
MN	0.8740
MO	0.8640
MP	0.8490
MQ	0.8630
MR	0.8640
MT	0.8380
MU	0.8390
MV	0.8360
MW	0.8360
MX	0.8280
MY	0.8070
MZ	0.8270

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Chain	Atom inclusion
NA	0.8430
NB	0.8400
NC	0.8280
ND	0.8290
NE	0.8370
NF	0.8300
NG	0.8450
NH	0.8320
NI	0.8360
NJ	0.8280
NK	0.8180
NL	0.8260
NM	0.8350
NN	0.8540
NO	0.8030
NP	0.8100
NQ	0.8370
NR	0.8330
NS	0.8360
NT	0.8350
NU	0.8360
NV	0.8340
NX	0.8200
NY	0.8260
NZ	0.8150
OA	0.8250
OB	0.8140
OC	0.7970
OD	0.8190
OE	0.8330
OF	0.8370
OG	0.8360
OH	0.8220
OI	0.8440
OJ	0.8160
OK	0.8330
OL	0.8350
OM	0.8480
ON	0.8350
OO	0.8320
OP	0.8060
OQ	0.8070

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Chain	Atom inclusion
OR	0.8170
OS	0.7760
OT	0.7890
OU	0.8300
OV	0.8240
OW	0.8250
OX	0.8160
OY	0.8260
OZ	0.8200
PA	0.8000
PC	0.6350
PD	0.6530
PE	0.6310
PF	0.6340
PG	0.6820
PH	0.6700
PI	0.7000
PJ	0.7400
PK	0.7430
PL	0.7160
PM	0.6630
PN	0.6560
PO	0.6740
PP	0.6900
PQ	0.6850
PR	0.6960
PS	0.6780
PT	0.6730
PU	0.6780
PV	0.6920
PW	0.7030
PX	0.6290
PY	0.6180
PZ	0.6240
QA	0.6300
QB	0.6520
QC	0.6270
QD	0.6250
QE	0.7020
QF	0.7090
QG	0.6980
QH	0.7020

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Chain	Atom inclusion
QI	0.6700
QJ	0.6940
QK	0.7020
QL	0.7150
QM	0.7420
QN	0.7480
QO	0.7330
QP	0.7440
QQ	0.6970
QR	0.6970
QS	0.7320
QT	0.7440
QU	0.7460
QV	0.7440
QW	0.7310
QX	0.7190
QY	0.6780
QZ	0.6650
RA	0.6900
RB	0.6650
RC	0.6800
RD	0.7090
RE	0.7000
RF	0.7040
RG	0.6720
RH	0.6750
RI	0.7190
RJ	0.7270
RK	0.7160
RL	0.7210
RM	0.6990
RN	0.6920
RO	0.6700
RP	0.7000
RQ	0.7290
RR	0.7520
RS	0.7480
RT	0.7610
RU	0.7130
RV	0.6950
RW	0.7400
RX	0.7580

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Chain	Atom inclusion
RY	0.7510
RZ	0.7610
SA	0.7360
SB	0.7370
SC	0.6790
SD	0.6360
SE	0.6790
SF	0.6980
SG	0.7110
SH	0.7260
SI	0.7160
SJ	0.7210
SK	0.6970
SL	0.6860
SM	0.6840
SN	0.7430
SO	0.7210
SP	0.7440
SQ	0.6890
SR	0.8180
SS	0.7690
ST	0.7540
SU	0.7350
SV	0.7610
SW	0.7440
SX	0.7610
SY	0.7740
SZ	0.7730
TA	0.7200
TB	0.7650
TC	0.7420
TD	0.7620
TE	0.7490
TF	0.7490
TG	0.6620
TH	0.6260
TI	0.6900
TJ	0.7250
TK	0.7100
TL	0.7450
TM	0.7180
TN	0.7390

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Chain	Atom inclusion
TO	0.6740
TP	0.6560
TQ	0.7480
TR	0.6920
TS	0.7240
TT	0.7160
TU	0.7220
TV	0.7140
TW	0.7830
TX	0.7960
TY	0.7530
TZ	0.7410
UA	0.7570
UB	0.7300
UC	0.7620
UD	0.7680
UE	0.7590
UF	0.7270
UG	0.7630
UH	0.7480
UI	0.7660
UJ	0.7450
UK	0.7690
UL	0.7660
UM	0.7800
UN	0.6750
UO	0.6990
UP	0.6920
UQ	0.7190
UR	0.7120
US	0.7270
UT	0.6530
UU	0.7450
UW	0.7760
UX	0.7950
UY	0.7630
UZ	0.7550
VA	0.7990
VB	0.8160
VC	0.8020
VD	0.7630
VE	0.7720

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Chain	Atom inclusion
VF	0.7770
VG	0.7660
VH	0.7950
VI	0.7890
VJ	0.7960
VK	0.7790
VL	0.8110
VM	0.7930
VN	0.8130
VO	0.7880
VP	0.8130
VQ	0.8250
VR	0.8300
VS	0.7480
VT	0.7730
VU	0.7740
VV	0.7940
VW	0.7630
VX	0.7570
VY	0.7960
VZ	0.8170
WA	0.6440
WB	0.6550
WC	0.6480
WD	0.6550
WE	0.7550
WF	0.7450
WG	0.7070
WH	0.6790
WI	0.6520
WJ	0.6680
WK	0.6510
WL	0.6760
WM	0.6940
WN	0.7000
WO	0.7250
WP	0.7610
WQ	0.7450
WR	0.7390
WS	0.7130
WT	0.6950
WU	0.7720

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Chain	Atom inclusion
WV	0.7800
WW	0.6310
WX	0.6410
WY	0.6420
WZ	0.6580
XA	0.6470
XB	0.6420
XC	0.7280
XD	0.7520
XE	0.6910
XF	0.6920
XG	0.6690
XH	0.6420
XI	0.7100
XJ	0.7490
XK	0.6720
XL	0.6640
XM	0.6990
XN	0.6960
XO	0.7010
XP	0.6800
XQ	0.6700
XR	0.7140
XS	0.7400
XT	0.7500
XU	0.7410
XV	0.7330
XW	0.6610
XX	0.6210
XY	0.7620
XZ	0.7420
YA	0.7230
YB	0.7090
YC	0.7060
YD	0.7030
YE	0.6740
YF	0.6350
YG	0.7130
YH	0.7480
YJ	0.7670
YK	0.7710
YL	0.7270

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Chain	Atom inclusion
YM	0.7100
YN	0.7650
YO	0.7810
YP	0.7520
YQ	0.7590
YR	0.7730
YS	0.7740
YT	0.7600
YU	0.7510
YV	0.7470
YW	0.7910
YX	0.7930
YY	0.8000
YZ	0.7880
ZA	0.7870
ZB	0.7660
ZC	0.7460
ZD	0.7710
ZE	0.7590
ZF	0.7750
ZG	0.7830
ZH	0.7750
ZI	0.7720
ZJ	0.7260
ZK	0.7030
ZL	0.7750
ZM	0.7870
ZN	0.7840
ZO	0.7700
ZP	0.7320
ZQ	0.7420
ZR	0.7330
ZS	0.7490
ZT	0.7620
ZU	0.7790
ZV	0.7970
ZW	0.7970
ZX	0.7780
ZY	0.7750
ZZ	0.7740