Full wwPDB EM Validation Report

Apr 11, 2026 – 01:11 AM UTC

PDB ID	:	8GLV / pdb_00008glv
EMDB ID	:	EMD-40220
Title	:	96-nm repeat unit of doublet microtubules from Chlamydomonas reinhardtii flagella
Authors	:	Walton, T.; Brown, A.
Deposited on	:	2023-03-23
Resolution	:	3.10 Å(reported)

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

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

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

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

EMDB validation analysis	:	0.0.1.dev132
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	FAILED
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
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)	:	2.48.1

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 3.10 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 130 unique types of molecules in this entry. The entry contains 3968189 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 Tubulin beta.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	0A	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0C	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0E	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0G	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0I	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0K	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0M	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0O	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0Q	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0S	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0U	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0W	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	0Y	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1A	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1C	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1E	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1G	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	1K	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1M	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1O	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1Q	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1S	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1U	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	1W	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2A	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2C	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2E	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2G	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2I	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2K	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2M	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2Q	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2S	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2U	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2W	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	2Y	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3A	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3C	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	3G	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3I	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3K	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3M	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3O	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3Q	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	3S	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	8H	433	Total	C	N	O	S	0	0
			3397	2131	581	655	30		
1	8J	436	Total	C	N	O	S	0	0
			3421	2147	584	660	30		
1	8L	437	Total	C	N	O	S	0	0
			3430	2152	585	663	30		
1	8N	436	Total	C	N	O	S	0	0
			3421	2147	584	660	30		
1	A1	432	Total	C	N	O	S	0	0
			3388	2126	580	652	30		
1	A3	435	Total	C	N	O	S	0	0
			3410	2138	583	659	30		
1	A5	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	A6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	A7	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	A9	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	AJ	436	Total	C	N	O	S	0	0
			3421	2147	584	660	30		
1	Ah	436	Total	C	N	O	S	0	0
			3421	2147	584	660	30		
1	Aj	437	Total	C	N	O	S	0	0
			3430	2152	585	663	30		
1	Al	436	Total	C	N	O	S	0	0
			3421	2147	584	660	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	An	432	Total	C	N	O	S	0	0
			3388	2126	580	652	30		
1	Ap	435	Total	C	N	O	S	0	0
			3410	2138	583	659	30		
1	Au	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Aw	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ay	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	B1	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	B3	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	B5	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	B6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	B8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BB	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BG	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BI	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BK	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BM	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BO	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BS	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BU	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	BY	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ba	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Bf	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bh	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bj	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bl	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bn	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bs	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bu	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Bw	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	By	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	C0	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	C2	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	C4	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	C6	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	C8	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CE	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CG	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CI	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CK	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CM	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CR	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CT	426	Total 3346	C 2103	N 574	O 639	S 30	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	CV	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CX	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	CZ	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Ce	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cg	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Ci	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Ck	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cm	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cr	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Ct	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cv	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cx	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	Cz	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	D0	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	D2	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	D4	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	D6	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	D8	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	DE	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	DG	426	Total 3346	C 2103	N 574	O 639	S 30	0	0
1	DI	426	Total 3346	C 2103	N 574	O 639	S 30	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	DK	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	DM	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	DR	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	DT	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	DV	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	DX	431	Total	C	N	O	S	0	0
			3379	2121	579	649	30		
1	DZ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	De	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dg	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Di	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dk	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dm	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dr	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dt	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dv	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	Dx	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Dz	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	E0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	E2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	E4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	E6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	E8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	ED	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EF	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EH	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EL	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EQ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	ES	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EU	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	EY	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ed	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ef	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Eh	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ej	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	El	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Eq	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Es	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Eu	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ew	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	F0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	F2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	F6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	F8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FC	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FE	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FG	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FI	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FK	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FP	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FR	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FT	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FV	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	FX	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fc	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fe	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fg	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fi	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fk	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fp	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fr	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ft	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Fv	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Fx	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	G0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	G2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	G4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	G6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	G8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	GB	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	GD	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	GF	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	GH	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	GJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	H2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	H4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	H6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	H8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	I0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	I2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	I4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	I8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	IK	432	Total	C	N	O	S	0	0
			3388	2126	580	652	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	IM	435	Total	C	N	O	S	0	0
			3410	2138	583	659	30		
1	IW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	IY	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ij	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Il	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Iw	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Iy	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	J0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	J2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	J4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	J6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	J8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	JJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	JL	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	JU	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	JW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	JY	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Jh	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Jj	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Jl	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Ju	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Jw	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Jy	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	K0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	K4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	K6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	K8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KH	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KL	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KU	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	KY	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Kh	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Kj	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Kl	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Kv	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Kx	431	Total	C	N	O	S	0	0
			3379	2121	579	649	30		
1	L0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	L2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	L4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	L6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	LH	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	LJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	LT	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	LV	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	LX	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Lh	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Lj	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Lu	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Lw	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	M0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	M2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	M4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	M6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	M8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	MG	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	MI	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	MT	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	MV	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Mg	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Mi	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Mt	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Mv	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	N0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	N2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	N6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	N8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NF	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NH	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NJ	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NS	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NU	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	NW	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Nf	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Nh	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Nj	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	O0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	O2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	O4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	O6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	O8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	P4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	P6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	P8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Q0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Q2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Q4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Q6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Q8	420	Total	C	N	O	S	0	0
			3293	2070	563	631	29		
1	R0	434	Total	C	N	O	S	0	0
			3401	2133	582	656	30		
1	R2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	R4	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	R6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	R8	431	Total	C	N	O	S	0	0
			3379	2121	579	649	30		
1	S0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	S2	431	Total	C	N	O	S	0	0
			3379	2121	579	649	30		
1	S4	427	Total	C	N	O	S	0	0
			3354	2107	575	642	30		
1	S6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	S8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	T0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	T2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	T4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	T6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	T8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	U2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	U4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	U6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	U8	430	Total	C	N	O	S	0	0
			3370	2116	578	646	30		
1	V0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	V2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	V4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	V6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	V8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	W0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	W2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	W4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	W6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	W8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	X0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	X2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	X4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	X6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	X8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Y0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Y2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Y4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Y6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Y8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Z0	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Z2	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Z4	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Z6	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		
1	Z8	426	Total	C	N	O	S	0	0
			3346	2103	574	639	30		

- Molecule 2 is a protein called Tubulin alpha.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	0B	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0F	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0H	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0J	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0L	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0N	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0P	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0R	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0V	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0X	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	0Z	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	1B	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1D	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1F	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1H	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1L	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1N	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1P	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1R	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1T	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1V	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1X	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	1Z	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2B	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2D	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2F	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2H	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2J	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2L	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2N	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2P	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2R	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	2T	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2V	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	2X	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	2Z	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3B	437	Total	C	N	O	S	0	0
			3383	2140	576	646	21		
2	3D	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3F	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3H	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3J	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3L	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3N	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3P	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	3R	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	3T	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	8F	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	8I	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	8K	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	8M	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	A0	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	A2	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	A4	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	A8	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	AT	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Ag	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Ai	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Ak	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Am	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Ao	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	At	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Av	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ax	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Az	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	B0	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	B2	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	B4	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	B7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	B9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BA	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BF	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	BH	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BJ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BL	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	BN	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BT	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	BX	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	BZ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bb	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bg	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Bi	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Bk	443	Total	C	N	O	S	0	0
			3418	2159	582	656	21		
2	Bm	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bo	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bt	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bv	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bx	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Bz	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	C1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	C3	431	Total	C	N	O	S	0	0
			3340	2114	569	636	21		
2	C5	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	C7	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	C9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CA	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	CF	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CH	428	Total	C	N	O	S	0	0
			3326	2107	566	632	21		
2	CJ	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	CL	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CN	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	CS	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CU	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CW	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	CY	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Cf	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Ch	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Cj	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Cl	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	Cs	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Cu	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Cw	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Cy	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	D1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	D3	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	D5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	D7	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	DD	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	DF	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DH	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	DJ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DL	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DN	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DQ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DS	428	Total	C	N	O	S	0	0
			3327	2108	566	632	21		
2	DU	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	DW	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	DY	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Da	429	Total	C	N	O	S	0	0
			3333	2111	567	634	21		
2	Dd	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Df	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Dh	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Dj	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Dl	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Dq	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ds	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Du	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Dw	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Dy	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	E1	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	E3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	E5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	E7	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	E9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EC	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EE	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EG	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EI	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EK	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EP	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	ER	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	ET	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	EX	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ec	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ee	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Eg	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ei	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ek	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Ep	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Er	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Et	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ev	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ex	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	F1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	F3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	F5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	F7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	F9	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	FD	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FF	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FH	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FJ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FL	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FQ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FS	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FU	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FW	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	FY	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fd	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Ff	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fh	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fj	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fl	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fq	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fs	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Fu	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	Fw	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	G1	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	G3	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	G5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	G7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	G9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	GC	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	GE	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	GG	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	GI	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	H1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	H3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	H5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	H7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	H9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Hu	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	I1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	I3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	I5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	I7	429	Total	C	N	O	S	0	0
			3332	2110	567	634	21		
2	I9	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	IL	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	IV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	IX	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	IZ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ii	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ik	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	Im	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Iv	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	Ix	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Iz	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	J1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	J3	428	Total	C	N	O	S	0	0
			3326	2107	566	632	21		
2	J5	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	J7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	J9	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	JI	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	JK	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	JV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	JX	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ji	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	Jk	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Jv	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Jx	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	K1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	K3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	K5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	K7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	K9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	KI	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	KK	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	KV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	KX	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ki	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Kk	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Kw	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Ky	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	L1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	L3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	L5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	L7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	L9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	LI	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	LK	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	LU	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	LW	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Li	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Lk	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Lv	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Lx	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	M1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	M3	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	M5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	M7	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	M9	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	MF	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	MH	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	MJ	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	MS	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	MU	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	MW	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Mf	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Mh	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Mj	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ms	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Mu	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Mw	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	N1	428	Total	C	N	O	S	0	0
			3324	2106	566	631	21		
2	N3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	N5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	N7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	N9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	NG	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	NI	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	NT	437	Total	C	N	O	S	0	0
			3385	2141	576	647	21		
2	NV	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ng	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Ni	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	O1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	O3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	O5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	O7	431	Total	C	N	O	S	0	0
			3340	2114	569	636	21		
2	O9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	P3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	P5	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	P7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	P9	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	Q1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Q3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Q5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Q9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	R1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	R3	428	Total	C	N	O	S	0	0
			3327	2108	566	632	21		
2	R5	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	R7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	R9	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		
2	S1	429	Total	C	N	O	S	0	0
			3333	2111	567	634	21		
2	S5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	S7	436	Total	C	N	O	S	0	0
			3376	2136	575	644	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	S9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	T1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	T3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	T5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	T7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	U1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	U3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	U5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	U7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	U9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	V1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	V3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	V7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	V9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	W1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	W3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	W5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	W7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	W9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	X3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	X5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	X7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	X9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Y1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Y3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Y5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Y9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Z1	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Z3	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Z5	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Z7	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		
2	Z9	427	Total	C	N	O	S	0	0
			3318	2103	565	629	21		

- Molecule 3 is a protein called PACRG.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	3V	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	3X	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	3Z	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	4B	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	4D	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	4F	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	4H	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	4J	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	GP	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	GR	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	GT	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	GV	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	GX	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	Nt	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		
3	Nv	297	Total	C	N	O	S	0	0
			2329	1491	401	428	9		

- Molecule 4 is a protein called Cilia- and flagella-associated protein 20.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	3W	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	3Y	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	4A	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	4C	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	4E	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	4G	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	4I	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	GO	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	GQ	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	GS	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	GU	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	GW	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	Ns	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	Nu	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		
4	Nw	184	Total	C	N	O	S	0	0
			1515	971	264	273	7		

- Molecule 5 is a protein called Meiosis-specific nuclear structural protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	4O	478	Total	C	N	O	S	0	0
			3995	2407	778	791	19		
5	5D	478	Total	C	N	O	S	0	0
			3995	2407	778	791	19		
5	Gd	120	Total	C	N	O	S	0	0
			992	599	196	195	2		
5	OA	167	Total	C	N	O	S	0	0
			1403	847	273	275	8		

- Molecule 6 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	4Q	171	Total	C	N	O	S	0	0
			1349	806	273	264	6		
6	4W	385	Total	C	N	O	S	0	0
			2989	1794	600	581	14		
6	Nz	324	Total	C	N	O	S	0	0
			2511	1500	508	493	10		

- Molecule 7 is a protein called Coiled-coil protein associated with protofilament ribbons.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	4R	366	Total	C	N	O	S	0	0
			2982	1819	561	589	13		
7	Ga	366	Total	C	N	O	S	0	0
			2982	1819	561	589	13		
7	Gf	349	Total	C	N	O	S	0	0
			2838	1728	533	565	12		
7	Gi	205	Total	C	N	O	S	0	0
			1672	1020	315	335	2		
7	Gj	337	Total	C	N	O	S	0	0
			2748	1673	515	547	13		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	OG	199	Total 1609	C 981	N 300	O 317	S 11	0	0

- Molecule 8 is a protein called Cilia- and flagella-associated protein 45.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	4X	376	Total 3157	C 1918	N 605	O 614	S 20	0	0
8	5C	370	Total 3103	C 1881	N 597	O 604	S 21	0	0
8	Go	210	Total 1743	C 1054	N 332	O 343	S 14	0	0
8	Gp	376	Total 3157	C 1918	N 605	O 614	S 20	0	0
8	Gq	29	Total 238	C 145	N 45	O 43	S 5	0	0
8	OD	370	Total 3103	C 1881	N 597	O 604	S 21	0	0
8	OO	161	Total 1346	C 820	N 261	O 260	S 5	0	0

- Molecule 9 is a protein called FAP34.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	5E	258	Total 1981	C 1245	N 352	O 380	S 4	0	0
9	Gr	258	Total 1981	C 1245	N 352	O 380	S 4	0	0
9	OQ	103	Total 783	C 493	N 143	O 146	S 1	0	0

- Molecule 10 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	5F	381	Total 3020	C 1921	N 520	O 569	S 10	0	0
10	7B	174	Total 1382	C 875	N 235	O 265	S 7	0	0
10	Gs	311	Total 2466	C 1576	N 425	O 459	S 6	0	0

- Molecule 11 is a protein called Protein Flattop homolog.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	5H	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	5I	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	5J	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	5K	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	Gv	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	Gw	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		
11	Gx	96	Total	C	N	O	S	0	0
			764	481	138	144	1		
11	OV	135	Total	C	N	O	S	0	0
			1069	674	190	202	3		

- Molecule 12 is a protein called FAP52.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	5L	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	5M	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	5N	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	Ad	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	Ae	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	Af	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	Eo	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		
12	HG	626	Total	C	N	O	S	0	0
			4757	2992	827	912	26		

- Molecule 13 is a protein called Nucleoside diphosphate kinase.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	5O	376	Total	C	N	O	S	0	0
			2927	1862	503	547	15		
13	5P	376	Total	C	N	O	S	0	0
			2927	1862	503	547	15		

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Mol	Chain	Residues	Atoms	AltConf	Trace
13	Gy	376	Total C N O S 2927 1862 503 547 15	0	0
13	Gz	376	Total C N O S 2927 1862 503 547 15	0	0
13	OY	376	Total C N O S 2927 1862 503 547 15	0	0

- Molecule 14 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms	AltConf	Trace
14	5Q	191	Total C N O S 1523 961 267 293 2	0	0
14	HA	191	Total C N O S 1523 961 267 293 2	0	0
14	OZ	17	Total C N O 135 89 22 24	0	0

- Molecule 15 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms	AltConf	Trace
15	5S	199	Total C N O S 1572 989 291 288 4	0	0
15	5T	198	Total C N O S 1563 984 290 285 4	0	0
15	5U	199	Total C N O S 1572 989 291 288 4	0	0
15	5V	198	Total C N O S 1563 984 290 285 4	0	0
15	HD	198	Total C N O S 1563 984 290 285 4	0	0
15	HE	199	Total C N O S 1572 989 291 288 4	0	0
15	Oc	65	Total C N O S 504 316 93 93 2	0	0
15	Od	199	Total C N O S 1572 989 291 288 4	0	0

- Molecule 16 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms	AltConf	Trace
16	5X	221	Total C N O S 1793 1153 302 330 8	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
16	5Y	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	5Z	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	6A	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	6B	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	6C	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	6D	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	HH	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	HI	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	HJ	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	HK	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	HL	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	Oi	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	Oj	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		
16	Ok	221	Total	C	N	O	S	0	0
			1793	1153	302	330	8		

- Molecule 17 is a protein called FAP143.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	6E	255	Total	C	N	O	S	0	0
			1952	1208	345	390	9		
17	HN	255	Total	C	N	O	S	0	0
			1952	1208	345	390	9		
17	Om	134	Total	C	N	O	S	0	0
			1036	638	187	208	3		

- Molecule 18 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	6F	394	Total	C	N	O	S	0	0
			2950	1852	518	566	14		
18	HO	394	Total	C	N	O	S	0	0
			2950	1852	518	566	14		
18	On	394	Total	C	N	O	S	0	0
			2950	1852	518	566	14		
18	zp	394	Total	C	N	O	S	0	0
			2950	1852	518	566	14		
18	zq	394	Total	C	N	O	S	0	0
			2950	1852	518	566	14		

- Molecule 19 is a protein called FAP166.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	6G	183	Total	C	N	O	S	0	0
			1420	891	251	269	9		
19	6H	193	Total	C	N	O	S	0	0
			1493	937	265	282	9		
19	HP	183	Total	C	N	O	S	0	0
			1420	891	251	269	9		
19	HQ	193	Total	C	N	O	S	0	0
			1493	937	265	282	9		
19	Op	193	Total	C	N	O	S	0	0
			1493	937	265	282	9		

- Molecule 20 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
20	6I	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6J	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6K	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6L	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6M	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6N	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6O	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	6P	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		

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Mol	Chain	Residues	Atoms					AltConf	Trace
20	HS	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	HT	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	HU	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	HV	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	HW	222	Total	C	N	O	S	0	0
			1800	1138	304	347	11		
20	Ot	99	Total	C	N	O	S	0	0
			754	482	130	139	3		
20	Ou	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		
20	Ov	329	Total	C	N	O	S	0	0
			2617	1660	442	501	14		

- Molecule 21 is a protein called FAP339.

Mol	Chain	Residues	Atoms					AltConf	Trace
21	6Q	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	6R	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	6S	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	HY	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	HZ	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	Ha	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	Oy	85	Total	C	N	O	S	0	0
			694	434	130	127	3		
21	Oz	85	Total	C	N	O	S	0	0
			694	434	130	127	3		

- Molecule 22 is a protein called Protofilament ribbon protein of flagellar microtubules.

Mol	Chain	Residues	Atoms					AltConf	Trace
22	6T	583	Total	C	N	O	S	0	0
			4708	2999	813	880	16		

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Mol	Chain	Residues	Atoms					AltConf	Trace
22	6U	581	Total	C	N	O	S	0	0
			4710	3004	812	876	18		
22	6V	565	Total	C	N	O	S	0	0
			4598	2934	794	854	16		
22	6W	575	Total	C	N	O	S	0	0
			4673	2979	806	870	18		
22	6X	565	Total	C	N	O	S	0	0
			4598	2934	794	854	16		
22	6Y	560	Total	C	N	O	S	0	0
			4563	2913	788	846	16		
22	6Z	583	Total	C	N	O	S	0	0
			4708	2999	813	880	16		
22	Hb	581	Total	C	N	O	S	0	0
			4710	3004	812	876	18		
22	Hc	565	Total	C	N	O	S	0	0
			4598	2934	794	854	16		
22	Hd	575	Total	C	N	O	S	0	0
			4673	2979	806	870	18		
22	He	565	Total	C	N	O	S	0	0
			4598	2934	794	854	16		
22	Hf	560	Total	C	N	O	S	0	0
			4563	2913	788	846	16		
22	Hg	45	Total	C	N	O	S	0	0
			341	219	57	64	1		
22	PD	425	Total	C	N	O	S	0	0
			3453	2210	589	642	12		
22	PE	565	Total	C	N	O	S	0	0
			4598	2934	794	854	16		
22	PF	560	Total	C	N	O	S	0	0
			4563	2913	788	846	16		

- Molecule 23 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
23	7C	83	Total	C	N	O	S	0	0
			692	427	138	125	2		
23	Hj	83	Total	C	N	O	S	0	0
			692	427	138	125	2		

There are 18 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
7C	17	MET	LEU	conflict	UNP A0A835TDA6

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Chain	Residue	Modelled	Actual	Comment	Reference
7C	22	GLN	GLU	conflict	UNP A0A835TDA6
7C	36	GLN	LYS	conflict	UNP A0A835TDA6
7C	38	THR	SER	conflict	UNP A0A835TDA6
7C	39	GLU	ASP	conflict	UNP A0A835TDA6
7C	40	ARG	LYS	conflict	UNP A0A835TDA6
7C	46	PRO	GLN	conflict	UNP A0A835TDA6
7C	74	GLN	GLU	conflict	UNP A0A835TDA6
7C	94	MET	ALA	conflict	UNP A0A835TDA6
Hj	17	MET	LEU	conflict	UNP A0A835TDA6
Hj	22	GLN	GLU	conflict	UNP A0A835TDA6
Hj	36	GLN	LYS	conflict	UNP A0A835TDA6
Hj	38	THR	SER	conflict	UNP A0A835TDA6
Hj	39	GLU	ASP	conflict	UNP A0A835TDA6
Hj	40	ARG	LYS	conflict	UNP A0A835TDA6
Hj	46	PRO	GLN	conflict	UNP A0A835TDA6
Hj	74	GLN	GLU	conflict	UNP A0A835TDA6
Hj	94	MET	ALA	conflict	UNP A0A835TDA6

- Molecule 24 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
24	7D	132	Total	C	N	O	S	0	0
			1016	637	183	189	7		
24	7E	132	Total	C	N	O	S	0	0
			1016	637	183	189	7		
24	Hk	132	Total	C	N	O	S	0	0
			1016	637	183	189	7		
24	Hl	132	Total	C	N	O	S	0	0
			1016	637	183	189	7		
24	PK	132	Total	C	N	O	S	0	0
			1016	637	183	189	7		

- Molecule 25 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
25	7G	224	Total	C	N	O	S	0	0
			1728	1083	305	336	4		
25	Hn	224	Total	C	N	O	S	0	0
			1728	1083	305	336	4		

- Molecule 26 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
26	7H	438	Total	C	N	O	S	0	0
			3224	2026	570	614	14		
26	7X	438	Total	C	N	O	S	0	0
			3224	2026	570	614	14		

- Molecule 27 is a protein called FAP129.

Mol	Chain	Residues	Atoms					AltConf	Trace
27	7I	440	Total	C	N	O	S	0	0
			3329	2062	610	646	11		
27	7J	362	Total	C	N	O	S	0	0
			2741	1691	505	535	10		
27	Hp	231	Total	C	N	O	S	0	0
			1760	1088	327	337	8		

- Molecule 28 is a protein called FAP21.

Mol	Chain	Residues	Atoms					AltConf	Trace
28	7K	423	Total	C	N	O	S	0	0
			3276	2026	620	625	5		
28	Hq	423	Total	C	N	O	S	0	0
			3276	2026	620	625	5		
28	Hr	106	Total	C	N	O	S	0	0
			807	499	152	154	2		
28	PQ	110	Total	C	N	O	S	0	0
			873	544	157	171	1		

There are 64 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
7K	1	MET	-	initiating methionine	UNP A0A2K3CNK8
7K	2	SER	-	expression tag	UNP A0A2K3CNK8
7K	3	LEU	-	expression tag	UNP A0A2K3CNK8
7K	4	THR	-	expression tag	UNP A0A2K3CNK8
7K	5	THR	-	expression tag	UNP A0A2K3CNK8
7K	6	GLN	-	expression tag	UNP A0A2K3CNK8
7K	7	SER	-	expression tag	UNP A0A2K3CNK8
7K	8	LEU	-	expression tag	UNP A0A2K3CNK8
7K	9	ARG	-	expression tag	UNP A0A2K3CNK8
7K	10	ARG	-	expression tag	UNP A0A2K3CNK8
7K	11	THR	-	expression tag	UNP A0A2K3CNK8
7K	12	ASN	-	expression tag	UNP A0A2K3CNK8
7K	13	TYR	-	expression tag	UNP A0A2K3CNK8

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Chain	Residue	Modelled	Actual	Comment	Reference
7K	14	GLU	-	expression tag	UNP A0A2K3CNK8
7K	15	ALA	-	expression tag	UNP A0A2K3CNK8
7K	16	GLU	-	expression tag	UNP A0A2K3CNK8
Hq	1	MET	-	initiating methionine	UNP A0A2K3CNK8
Hq	2	SER	-	expression tag	UNP A0A2K3CNK8
Hq	3	LEU	-	expression tag	UNP A0A2K3CNK8
Hq	4	THR	-	expression tag	UNP A0A2K3CNK8
Hq	5	THR	-	expression tag	UNP A0A2K3CNK8
Hq	6	GLN	-	expression tag	UNP A0A2K3CNK8
Hq	7	SER	-	expression tag	UNP A0A2K3CNK8
Hq	8	LEU	-	expression tag	UNP A0A2K3CNK8
Hq	9	ARG	-	expression tag	UNP A0A2K3CNK8
Hq	10	ARG	-	expression tag	UNP A0A2K3CNK8
Hq	11	THR	-	expression tag	UNP A0A2K3CNK8
Hq	12	ASN	-	expression tag	UNP A0A2K3CNK8
Hq	13	TYR	-	expression tag	UNP A0A2K3CNK8
Hq	14	GLU	-	expression tag	UNP A0A2K3CNK8
Hq	15	ALA	-	expression tag	UNP A0A2K3CNK8
Hq	16	GLU	-	expression tag	UNP A0A2K3CNK8
Hr	1	MET	-	initiating methionine	UNP A0A2K3CNK8
Hr	2	SER	-	expression tag	UNP A0A2K3CNK8
Hr	3	LEU	-	expression tag	UNP A0A2K3CNK8
Hr	4	THR	-	expression tag	UNP A0A2K3CNK8
Hr	5	THR	-	expression tag	UNP A0A2K3CNK8
Hr	6	GLN	-	expression tag	UNP A0A2K3CNK8
Hr	7	SER	-	expression tag	UNP A0A2K3CNK8
Hr	8	LEU	-	expression tag	UNP A0A2K3CNK8
Hr	9	ARG	-	expression tag	UNP A0A2K3CNK8
Hr	10	ARG	-	expression tag	UNP A0A2K3CNK8
Hr	11	THR	-	expression tag	UNP A0A2K3CNK8
Hr	12	ASN	-	expression tag	UNP A0A2K3CNK8
Hr	13	TYR	-	expression tag	UNP A0A2K3CNK8
Hr	14	GLU	-	expression tag	UNP A0A2K3CNK8
Hr	15	ALA	-	expression tag	UNP A0A2K3CNK8
Hr	16	GLU	-	expression tag	UNP A0A2K3CNK8
PQ	1	MET	-	initiating methionine	UNP A0A2K3CNK8
PQ	2	SER	-	expression tag	UNP A0A2K3CNK8
PQ	3	LEU	-	expression tag	UNP A0A2K3CNK8
PQ	4	THR	-	expression tag	UNP A0A2K3CNK8
PQ	5	THR	-	expression tag	UNP A0A2K3CNK8
PQ	6	GLN	-	expression tag	UNP A0A2K3CNK8
PQ	7	SER	-	expression tag	UNP A0A2K3CNK8

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Chain	Residue	Modelled	Actual	Comment	Reference
PQ	8	LEU	-	expression tag	UNP A0A2K3CNK8
PQ	9	ARG	-	expression tag	UNP A0A2K3CNK8
PQ	10	ARG	-	expression tag	UNP A0A2K3CNK8
PQ	11	THR	-	expression tag	UNP A0A2K3CNK8
PQ	12	ASN	-	expression tag	UNP A0A2K3CNK8
PQ	13	TYR	-	expression tag	UNP A0A2K3CNK8
PQ	14	GLU	-	expression tag	UNP A0A2K3CNK8
PQ	15	ALA	-	expression tag	UNP A0A2K3CNK8
PQ	16	GLU	-	expression tag	UNP A0A2K3CNK8

- Molecule 29 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
29	7M	126	Total	C	N	O	S	0	0
			977	607	179	186	5		
29	7N	126	Total	C	N	O	S	0	0
			977	607	179	186	5		
29	Ht	76	Total	C	N	O	S	0	0
			583	360	111	109	3		

- Molecule 30 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
30	7P	197	Total	C	N	O	S	0	0
			1520	939	283	295	3		
30	Hv	172	Total	C	N	O	S	0	0
			1336	825	249	259	3		
30	PV	197	Total	C	N	O	S	0	0
			1520	939	283	295	3		

- Molecule 31 is a protein called FAP306.

Mol	Chain	Residues	Atoms				AltConf	Trace
31	7Q	71	Total	C	N	O	0	0
			567	352	98	117		
31	Hw	71	Total	C	N	O	0	0
			567	352	98	117		
31	PW	71	Total	C	N	O	0	0
			567	352	98	117		
31	zn	42	Total	C	N	O	0	0
			341	217	53	71		

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Mol	Chain	Residues	Atoms				AltConf	Trace
31	zo	42	Total 341	C 217	N 53	O 71	0	0

- Molecule 32 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
32	7Y	247	Total 1971	C 1221	N 372	O 370	S 8	0	0
32	ID	247	Total 1971	C 1221	N 372	O 370	S 8	0	0
32	Pe	208	Total 1663	C 1029	N 312	O 315	S 7	0	0

- Molecule 33 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
33	8B	213	Total 1728	C 1078	N 311	O 332	S 7	0	0
33	8C	213	Total 1728	C 1078	N 311	O 332	S 7	0	0
33	IG	213	Total 1728	C 1078	N 311	O 332	S 7	0	0
33	IH	213	Total 1728	C 1078	N 311	O 332	S 7	0	0
33	Pi	213	Total 1728	C 1078	N 311	O 332	S 7	0	0

- Molecule 34 is a protein called Dynein axonemal light chain 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
34	AA	195	Total 1554	C 981	N 264	O 302	S 7	4	0
34	Cb	195	Total 1554	C 981	N 264	O 302	S 7	4	0
34	Gg	195	Total 1554	C 981	N 264	O 302	S 7	4	0
34	Ll	195	Total 1554	C 981	N 264	O 302	S 7	4	0

- Molecule 35 is a protein called Outer dynein arm-docking complex subunit 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
35	AB	404	Total	C	N	O	S	0	0
			3309	2024	618	652	15		
35	AY	404	Total	C	N	O	S	0	0
			3309	2024	618	652	15		
35	Fb	332	Total	C	N	O	S	0	0
			2724	1663	507	539	15		
35	MM	158	Total	C	N	O	S	0	0
			1239	764	218	251	6		
35	MR	404	Total	C	N	O	S	0	0
			3309	2024	618	652	15		
35	MY	202	Total	C	N	O	S	0	0
			1681	1027	320	328	6		
35	Ma	58	Total	C	N	O		0	0
			463	287	85	91			

- Molecule 36 is a protein called Outer dynein arm-docking complex protein DC3.

Mol	Chain	Residues	Atoms					AltConf	Trace
36	AC	170	Total	C	N	O	S	0	0
			1384	863	242	270	9		
36	AZ	170	Total	C	N	O	S	0	0
			1384	863	242	270	9		
36	Fn	170	Total	C	N	O	S	0	0
			1384	863	242	270	9		
36	LN	170	Total	C	N	O	S	0	0
			1384	863	242	270	9		
36	MO	170	Total	C	N	O	S	0	0
			1384	863	242	270	9		

- Molecule 37 is a protein called Dynein gamma chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
37	AD	4484	Total	C	N	O	S	0	0
			36045	22979	6151	6707	208		
37	AX	4484	Total	C	N	O	S	0	0
			36045	22979	6151	6707	208		
37	Fa	4484	Total	C	N	O	S	0	0
			36045	22979	6151	6707	208		
37	Ks	1170	Total	C	N	O	S	0	0
			9491	6012	1642	1785	52		
37	Lo	4484	Total	C	N	O	S	0	0
			36045	22979	6151	6707	208		

- Molecule 38 is a protein called IC97/Casc1 N-terminal domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
38	AE	633	Total	C	N	O	S	0	0
			4866	3070	883	896	17		

- Molecule 39 is a protein called Axonemal inner arm I1 intermediate chain dynein IC138.

Mol	Chain	Residues	Atoms					AltConf	Trace
39	AF	540	Total	C	N	O	S	0	0
			4240	2684	719	813	24		

- Molecule 40 is a protein called IC140.

Mol	Chain	Residues	Atoms					AltConf	Trace
40	AG	732	Total	C	N	O	S	0	0
			5632	3523	1015	1073	21		

- Molecule 41 is a protein called Axonemal inner arm dynein I1/f subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
41	AH	182	Total	C	N	O	S	0	0
			1313	811	238	263	1		

- Molecule 42 is a protein called Dynein light chain roadblock LC7b.

Mol	Chain	Residues	Atoms					AltConf	Trace
42	AI	100	Total	C	N	O	S	0	0
			780	488	140	149	3		
42	Bc	94	Total	C	N	O	S	0	0
			741	466	133	140	2		
42	Bd	94	Total	C	N	O	S	0	0
			741	466	133	140	2		
42	GY	94	Total	C	N	O	S	0	0
			741	466	133	140	2		
42	LC	94	Total	C	N	O	S	0	0
			741	466	133	140	2		
42	MA	94	Total	C	N	O	S	0	0
			741	466	133	140	2		

- Molecule 43 is a protein called Dynein light chain roadblock LC7a.

Mol	Chain	Residues	Atoms					AltConf	Trace
43	AK	105	Total	C	N	O	S	0	0
			840	533	150	155	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
43	BQ	103	Total	C	N	O	S	0	0
			827	525	148	153	1		
43	BR	103	Total	C	N	O	S	0	0
			827	525	148	153	1		
43	GN	103	Total	C	N	O	S	0	0
			827	525	148	153	1		
43	L8	103	Total	C	N	O	S	0	0
			827	525	148	153	1		
43	LB	103	Total	C	N	O	S	0	0
			827	525	148	153	1		

- Molecule 44 is a protein called Dynein 8 kDa light chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
44	AL	91	Total	C	N	O	S	0	0
			725	463	122	135	5		
44	AM	86	Total	C	N	O	S	0	0
			696	447	117	128	4		
44	AN	91	Total	C	N	O	S	0	0
			726	463	122	136	5		
44	AO	91	Total	C	N	O	S	0	0
			726	463	122	136	5		
44	AP	91	Total	C	N	O	S	0	0
			726	463	122	136	5		
44	AQ	91	Total	C	N	O	S	0	0
			726	463	122	136	5		
44	Be	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	Bp	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	Bq	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	Br	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	CB	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	CC	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	CD	85	Total	C	N	O	S	0	0
			691	444	116	127	4		
44	CO	85	Total	C	N	O	S	0	0
			691	444	116	127	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
44	FA	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	FB	85	Total	C	N	O	S	0	0
			691	444	116	127	4		
44	GZ	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	Ge	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	I6	84	Total	C	N	O		0	0
			417	249	84	84			
44	Io	84	Total	C	N	O		0	0
			417	249	84	84			
44	Ip	84	Total	C	N	O		0	0
			417	249	84	84			
44	Iq	84	Total	C	N	O		0	0
			417	249	84	84			
44	Ir	84	Total	C	N	O		0	0
			417	249	84	84			
44	Is	84	Total	C	N	O		0	0
			417	249	84	84			
44	It	84	Total	C	N	O		0	0
			417	249	84	84			
44	Iu	84	Total	C	N	O		0	0
			417	249	84	84			
44	KM	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KN	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KO	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KP	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KQ	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KR	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KS	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	KT	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	Kc	84	Total	C	N	O	S	0	0
			686	442	115	125	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
44	Kd	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	Ke	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	Kf	84	Total	C	N	O	S	0	0
			686	442	115	125	4		
44	LD	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	LE	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	LF	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	LG	85	Total	C	N	O	S	0	0
			691	444	116	127	4		
44	MB	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	MC	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	MD	82	Total	C	N	O	S	0	0
			671	433	112	122	4		
44	ME	85	Total	C	N	O	S	0	0
			691	444	116	127	4		

- Molecule 45 is a protein called Dynein light chain Tctex1.

Mol	Chain	Residues	Atoms					AltConf	Trace
45	AR	114	Total	C	N	O	S	0	0
			885	556	148	172	9		

- Molecule 46 is a protein called Inner arm dynein light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
46	AS	120	Total	C	N	O	S	0	0
			969	618	166	182	3		

- Molecule 47 is a protein called Dynein light chain 10.

Mol	Chain	Residues	Atoms					AltConf	Trace
47	AU	98	Total	C	N	O	S	0	0
			805	523	128	146	8		
47	Ca	98	Total	C	N	O	S	0	0
			805	523	128	146	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
47	FN	98	Total	C	N	O	S	0	0
			805	523	128	146	8		
47	LM	98	Total	C	N	O	S	0	0
			805	523	128	146	8		
47	ML	98	Total	C	N	O	S	0	0
			805	523	128	146	8		

- Molecule 48 is a protein called Cilia- and flagella-associated protein 73.

Mol	Chain	Residues	Atoms					AltConf	Trace
48	AV	273	Total	C	N	O	S	0	0
			2224	1380	395	444	5		

- Molecule 49 is a protein called Cilia- and flagella-associated protein 100.

Mol	Chain	Residues	Atoms					AltConf	Trace
49	AW	410	Total	C	N	O	S	0	0
			3290	2022	593	661	14		

- Molecule 50 is a protein called Dynein, 78 kDa intermediate chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
50	Aa	587	Total	C	N	O	S	0	0
			4676	2956	803	887	30		
50	Ab	587	Total	C	N	O	S	0	0
			4676	2956	803	887	30		
50	Fo	587	Total	C	N	O	S	0	0
			4676	2956	803	887	30		
50	Kt	587	Total	C	N	O	S	0	0
			4676	2956	803	887	30		
50	Lp	587	Total	C	N	O	S	0	0
			4676	2956	803	887	30		

There are 5 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
Aa	474	PRO	ALA	conflict	UNP Q39578
Ab	474	PRO	ALA	conflict	UNP Q39578
Fo	474	PRO	ALA	conflict	UNP Q39578
Kt	474	PRO	ALA	conflict	UNP Q39578
Lp	474	PRO	ALA	conflict	UNP Q39578

- Molecule 51 is a protein called WD_REPEATS_REGION domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
51	Ac	533	Total	C	N	O	S	0	0
			4184	2639	707	817	21		
51	Aq	533	Total	C	N	O	S	0	0
			4184	2639	707	817	21		
51	Fz	533	Total	C	N	O	S	0	0
			4184	2639	707	817	21		
51	Ku	533	Total	C	N	O	S	0	0
			4184	2639	707	817	21		
51	Lq	533	Total	C	N	O	S	0	0
			4184	2639	707	817	21		

- Molecule 52 is a protein called Flagellar outer dynein arm light chain 2.

Mol	Chain	Residues	Atoms					AltConf	Trace
52	Ar	125	Total	C	N	O	S	0	0
			1035	657	175	198	5		
52	As	125	Total	C	N	O	S	0	0
			1035	657	175	198	5		
52	GA	125	Total	C	N	O	S	0	0
			1035	657	175	198	5		
52	Kz	125	Total	C	N	O	S	0	0
			1035	657	175	198	5		
52	Lr	125	Total	C	N	O	S	0	0
			1035	657	175	198	5		

- Molecule 53 is a protein called Dynein 18 kDa light chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
53	BC	138	Total	C	N	O	S	0	0
			1089	677	183	220	9		
53	BD	138	Total	C	N	O	S	0	0
			1089	677	183	220	9		
53	GL	138	Total	C	N	O	S	0	0
			1089	677	183	220	9		
53	K2	138	Total	C	N	O	S	0	0
			1089	677	183	220	9		
53	Lt	138	Total	C	N	O	S	0	0
			1089	677	183	220	9		

- Molecule 54 is a protein called Dynein 11 kDa light chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
54	BE	107	Total	C	N	O	S	0	0
			875	567	144	161	3		
54	BP	107	Total	C	N	O	S	0	0
			875	567	144	161	3		
54	GM	107	Total	C	N	O	S	0	0
			875	567	144	161	3		
54	LA	107	Total	C	N	O	S	0	0
			875	567	144	161	3		
54	Lz	107	Total	C	N	O	S	0	0
			875	567	144	161	3		

- Molecule 55 is a protein called Dynein light chain 9.

Mol	Chain	Residues	Atoms					AltConf	Trace
55	CP	117	Total	C	N	O	S	0	0
			909	568	153	181	7		
55	CQ	117	Total	C	N	O	S	0	0
			909	568	153	181	7		
55	FM	117	Total	C	N	O	S	0	0
			909	568	153	181	7		
55	LL	117	Total	C	N	O	S	0	0
			909	568	153	181	7		
55	MK	117	Total	C	N	O	S	0	0
			909	568	153	181	7		

- Molecule 56 is a protein called Outer dynein arm protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
56	Cc	402	Total	C	N	O	S	0	0
			3238	1993	585	646	14		
56	Cd	402	Total	C	N	O	S	0	0
			3238	1993	585	646	14		
56	Gk	332	Total	C	N	O	S	0	0
			2668	1637	482	539	10		
56	MN	190	Total	C	N	O	S	0	0
			1509	931	261	312	5		
56	MX	403	Total	C	N	O	S	0	0
			3247	1999	587	647	14		
56	MZ	213	Total	C	N	O	S	0	0
			1738	1068	326	335	9		
56	Mb	56	Total	C	N	O	S	0	0
			453	285	82	85	1		

- Molecule 57 is a protein called AAA+ ATPase domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
57	Cn	4500	Total 35901	C 22840	N 6137	O 6740	S 184	0	0

- Molecule 58 is a protein called Dynein-1-beta heavy chain, flagellar inner arm I1 complex.

Mol	Chain	Residues	Atoms					AltConf	Trace
58	Co	4499	Total 35837	C 22826	N 6150	O 6688	S 173	0	0

- Molecule 59 is a protein called WD_REPEATS_REGION domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
59	Cp	1075	Total 8547	C 5343	N 1495	O 1665	S 44	0	0
59	Cq	1076	Total 8553	C 5346	N 1496	O 1666	S 45	0	0

- Molecule 60 is a protein called Inner-arm dynein f/I1 light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
60	D9	238	Total 1843	C 1163	N 315	O 358	S 7	0	0

- Molecule 61 is a protein called Heavy chain alpha.

Mol	Chain	Residues	Atoms					AltConf	Trace
61	DA	4407	Total 34821	C 22130	N 5926	O 6559	S 206	0	0
61	DP	4407	Total 34821	C 22130	N 5926	O 6559	S 206	0	0
61	Gl	4407	Total 34821	C 22130	N 5926	O 6559	S 206	0	0
61	Lm	4407	Total 34821	C 22130	N 5926	O 6559	S 206	0	0

- Molecule 62 is a protein called Flagellar outer dynein arm heavy chain beta.

Mol	Chain	Residues	Atoms					AltConf	Trace
62	DB	4520	Total 36194	C 23030	N 6145	O 6804	S 215	0	0
62	Db	4520	Total 36194	C 23030	N 6145	O 6804	S 215	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
62	Gt	4520	Total 36194	C 23030	N 6145	O 6804	S 215	0	0
62	Kr	765	Total 6182	C 3945	N 1040	O 1160	S 37	0	0
62	Ln	4520	Total 36194	C 23030	N 6145	O 6804	S 215	0	0

- Molecule 63 is a protein called Dynein 14 kDa light chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
63	DC	129	Total 999	C 647	N 163	O 185	S 4	0	0
63	Dc	129	Total 999	C 647	N 163	O 185	S 4	0	0
63	HB	129	Total 999	C 647	N 163	O 185	S 4	0	0
63	Ly	129	Total 999	C 647	N 163	O 185	S 4	0	0

- Molecule 64 is a protein called Dynein 16 kDa light chain, flagellar outer arm.

Mol	Chain	Residues	Atoms					AltConf	Trace
64	DO	156	Total 1217	C 763	N 215	O 232	S 7	0	0
64	Dn	156	Total 1217	C 763	N 215	O 232	S 7	0	0
64	Gu	156	Total 1217	C 763	N 215	O 232	S 7	0	0
64	Ls	156	Total 1217	C 763	N 215	O 232	S 7	0	0

- Molecule 65 is a protein called FAP44.

Mol	Chain	Residues	Atoms					AltConf	Trace
65	Do	1542	Total 11463	C 7132	N 2104	O 2195	S 32	0	0
65	MP	94	Total 749	C 456	N 143	O 148	S 2	0	0

- Molecule 66 is a protein called FAP43.

Mol	Chain	Residues	Atoms					AltConf	Trace
66	Dp	1611	Total	C	N	O	S	0	0
			11683	7241	2168	2226	48		
66	MQ	116	Total	C	N	O	S	0	0
			939	576	189	171	3		

- Molecule 67 is a protein called Dynein regulatory complex protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
67	EA	585	Total	C	N	O	S	0	0
			4819	2976	891	937	15		

- Molecule 68 is a protein called Dynein regulatory complex subunit 2.

Mol	Chain	Residues	Atoms					AltConf	Trace
68	EB	459	Total	C	N	O	S	0	0
			3783	2333	708	726	16		

- Molecule 69 is a protein called Dynein regulatory complex subunit 6.

Mol	Chain	Residues	Atoms					AltConf	Trace
69	EM	208	Total	C	N	O	S	0	0
			1608	1011	280	307	10		

- Molecule 70 is a protein called Dynein regulatory complex subunit 4.

Mol	Chain	Residues	Atoms					AltConf	Trace
70	EN	447	Total	C	N	O	S	0	0
			3721	2320	667	723	11		
70	EO	466	Total	C	N	O	S	0	0
			3839	2390	688	750	11		

- Molecule 71 is a protein called Dynein regulatory complex protein 8.

Mol	Chain	Residues	Atoms					AltConf	Trace
71	EZ	166	Total	C	N	O	S	0	0
			1312	823	230	253	6		
71	HF	166	Total	C	N	O	S	0	0
			1311	823	230	252	6		
71	HM	166	Total	C	N	O	S	0	0
			1311	823	230	252	6		

- Molecule 72 is a protein called ATPase AAA-type core domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
72	Ea	836	Total	C	N	O	S	0	0
			6655	4204	1201	1217	33		

- Molecule 73 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
73	Eb	1355	Total	C	N	O	S	0	0
			10789	6774	1945	2027	43		

- Molecule 74 is a protein called Dynein regulatory complex subunit 3.

Mol	Chain	Residues	Atoms					AltConf	Trace
74	Em	524	Total	C	N	O	S	0	0
			4240	2641	731	850	18		

- Molecule 75 is a protein called Dynein regulatory complex protein 9.

Mol	Chain	Residues	Atoms					AltConf	Trace
75	En	406	Total	C	N	O	S	0	0
			3244	2003	604	619	18		

- Molecule 76 is a protein called Dynein regulatory complex protein 10.

Mol	Chain	Residues	Atoms					AltConf	Trace
76	Ey	356	Total	C	N	O	S	0	0
			2879	1768	540	568	3		

- Molecule 77 is a protein called DRC5.

Mol	Chain	Residues	Atoms					AltConf	Trace
77	Ez	390	Total	C	N	O	S	0	0
			3047	1900	556	572	19		

- Molecule 78 is a protein called DUF4201 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
78	F4	347	Total	C	N	O	S	0	0
			2762	1710	503	539	10		

- Molecule 79 is a protein called Calmodulin.

Mol	Chain	Residues	Atoms					AltConf	Trace
79	FO	163	Total	C	N	O	S	0	0
			1277	782	210	275	10		
79	JC	143	Total	C	N	O	S	0	0
			737	443	144	148	2		

- Molecule 80 is a protein called Caltractin.

Mol	Chain	Residues	Atoms					AltConf	Trace
80	FZ	169	Total	C	N	O	S	0	0
			1360	839	231	282	8		
80	Md	169	Total	C	N	O	S	0	0
			1360	839	231	282	8		
80	Ml	151	Total	C	N	O	S	0	0
			1218	752	202	257	7		

- Molecule 81 is a protein called AAA+ ATPase domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
81	Fm	3953	Total	C	N	O	S	0	0
			31358	19922	5377	5890	169		

- Molecule 82 is a protein called DUF4201 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
82	Fy	317	Total	C	N	O	S	0	0
			2600	1593	492	510	5		

- Molecule 83 is a protein called Cilia- and flagella-associated protein 299.

Mol	Chain	Residues	Atoms					AltConf	Trace
83	GK	237	Total	C	N	O	S	0	0
			1933	1200	346	383	4		

- Molecule 84 is a protein called Cilia- and flagella-associated protein 53.

Mol	Chain	Residues	Atoms					AltConf	Trace
84	Gb	270	Total	C	N	O	S	0	0
			2234	1353	440	428	13		
84	Ny	32	Total	C	N	O		0	0
			258	159	51	48			
84	OL	470	Total	C	N	O	S	0	0
			3848	2333	750	744	21		

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Mol	Chain	Residues	Atoms					AltConf	Trace
84	ON	470	Total 3848	C 2333	N 750	O 744	S 21	0	0

- Molecule 85 is a protein called FAP210.

Mol	Chain	Residues	Atoms					AltConf	Trace
85	Gc	429	Total 3494	C 2120	N 687	O 677	S 10	0	0
85	Gm	320	Total 2618	C 1573	N 527	O 511	S 7	0	0
85	Gn	239	Total 1907	C 1165	N 371	O 364	S 7	0	0

- Molecule 86 is a protein called Actin.

Mol	Chain	Residues	Atoms					AltConf	Trace
86	Gh	377	Total 2931	C 1857	N 494	O 556	S 24	0	0
86	JD	377	Total 2930	C 1857	N 494	O 555	S 24	0	0
86	Km	370	Total 2880	C 1828	N 487	O 542	S 23	0	0
86	Ld	377	Total 2930	C 1857	N 494	O 555	S 24	0	0
86	Mc	377	Total 2931	C 1857	N 494	O 556	S 24	0	0
86	Mk	377	Total 2931	C 1857	N 494	O 556	S 24	0	0

- Molecule 87 is a protein called Flagellar radial spoke protein 5.

Mol	Chain	Residues	Atoms					AltConf	Trace
87	H0	483	Total 3644	C 2330	N 623	O 679	S 12	0	0
87	Hz	483	Total 3644	C 2330	N 623	O 679	S 12	0	0
87	JT	483	Total 3644	C 2330	N 623	O 679	S 12	0	0
87	JZ	483	Total 3644	C 2330	N 623	O 679	S 12	0	0

- Molecule 88 is a protein called Flagellar radial spoke protein 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
88	HX	749	Total	C	N	O	S	0	0
			5698	3611	962	1111	14		
88	Hh	749	Total	C	N	O	S	0	0
			5698	3611	962	1111	14		
88	JH	749	Total	C	N	O	S	0	0
			5698	3611	962	1111	14		
88	JM	749	Total	C	N	O	S	0	0
			5698	3611	962	1111	14		

- Molecule 89 is a protein called Flagellar radial spoke protein 2.

Mol	Chain	Residues	Atoms					AltConf	Trace
89	Hi	427	Total	C	N	O	S	0	0
			3248	2048	577	614	9		
89	Hm	427	Total	C	N	O	S	0	0
			3248	2048	577	614	9		
89	JN	427	Total	C	N	O	S	0	0
			3248	2048	577	614	9		
89	JO	427	Total	C	N	O	S	0	0
			3248	2048	577	614	9		

- Molecule 90 is a protein called Radial spoke protein 3.

Mol	Chain	Residues	Atoms					AltConf	Trace
90	Ho	290	Total	C	N	O	S	0	0
			2170	1342	402	417	9		
90	Hs	287	Total	C	N	O	S	0	0
			2163	1337	399	418	9		
90	JP	310	Total	C	N	O	S	0	0
			2418	1506	430	473	9		
90	JQ	331	Total	C	N	O	S	0	0
			2583	1607	457	510	9		

- Molecule 91 is a protein called Radial spoke protein 4.

Mol	Chain	Residues	Atoms					AltConf	Trace
91	Hx	421	Total	C	N	O	S	0	0
			3207	2043	535	621	8		
91	Hy	421	Total	C	N	O	S	0	0
			3207	2043	535	621	8		
91	JR	421	Total	C	N	O	S	0	0
			3207	2043	535	621	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
91	JS	421	Total	C	N	O	S	0	0
			3207	2043	535	621	8		

- Molecule 92 is a protein called Flagellar radial spoke protein 6.

Mol	Chain	Residues	Atoms					AltConf	Trace
92	IA	428	Total	C	N	O	S	0	0
			3214	2043	544	614	13		
92	IB	428	Total	C	N	O	S	0	0
			3214	2043	544	614	13		
92	Ja	428	Total	C	N	O	S	0	0
			3214	2043	544	614	13		
92	Jb	428	Total	C	N	O	S	0	0
			3214	2043	544	614	13		

- Molecule 93 is a protein called Radial spoke protein 7.

Mol	Chain	Residues	Atoms					AltConf	Trace
93	IC	47	Total	C	N	O	S	0	0
			373	243	62	67	1		
93	IE	40	Total	C	N	O		0	0
			316	208	53	55			
93	KD	44	Total	C	N	O		0	0
			353	232	59	62			
93	KE	40	Total	C	N	O		0	0
			316	208	53	55			

- Molecule 94 is a protein called Radial spoke protein 9.

Mol	Chain	Residues	Atoms					AltConf	Trace
94	IF	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	II	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	IJ	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	IN	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	Jc	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	Jd	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
94	Je	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		
94	Jf	249	Total	C	N	O	S	0	0
			1930	1233	327	365	5		

- Molecule 95 is a protein called Radial spoke protein 10.

Mol	Chain	Residues	Atoms					AltConf	Trace
95	IO	199	Total	C	N	O	S	0	0
			1530	977	257	287	9		
95	IP	199	Total	C	N	O	S	0	0
			1530	977	257	287	9		
95	Jg	199	Total	C	N	O	S	0	0
			1530	977	257	287	9		
95	Jm	199	Total	C	N	O	S	0	0
			1530	977	257	287	9		

- Molecule 96 is a protein called Radial spoke protein 11.

Mol	Chain	Residues	Atoms					AltConf	Trace
96	IQ	48	Total	C	N	O	S	0	0
			382	250	64	67	1		
96	IR	182	Total	C	N	O	S	0	0
			1055	649	198	206	2		
96	KF	49	Total	C	N	O	S	0	0
			391	255	65	70	1		
96	KG	160	Total	C	N	O		0	0
			891	544	172	175			

- Molecule 97 is a protein called Peptidyl-prolyl cis-trans isomerase.

Mol	Chain	Residues	Atoms					AltConf	Trace
97	IS	163	Total	C	N	O	S	0	0
			1241	796	210	231	4		
97	Jn	163	Total	C	N	O	S	0	0
			1241	796	210	231	4		

- Molecule 98 is a protein called Radial spoke protein 14.

Mol	Chain	Residues	Atoms					AltConf	Trace
98	IT	379	Total	C	N	O	S	0	0
			2787	1753	506	518	10		

- Molecule 99 is a protein called Radial spoke protein 16.

Mol	Chain	Residues	Atoms					AltConf	Trace
99	IU	213	Total	C	N	O	S	0	0
			1693	1092	296	301	4		
99	Ia	213	Total	C	N	O	S	0	0
			1693	1092	296	301	4		
99	Ih	64	Total	C	N	O	S	0	0
			528	335	90	100	3		
99	In	64	Total	C	N	O	S	0	0
			528	335	90	100	3		
99	Jo	213	Total	C	N	O	S	0	0
			1693	1092	296	301	4		
99	Jp	213	Total	C	N	O	S	0	0
			1693	1092	296	301	4		
99	KA	64	Total	C	N	O	S	0	0
			528	335	90	100	3		
99	KB	64	Total	C	N	O	S	0	0
			528	335	90	100	3		

- Molecule 100 is a protein called UNKNOWN.

Mol	Chain	Residues	Atoms				AltConf	Trace
100	Ib	34	Total	C	N	O	0	0
			170	102	34	34		

- Molecule 101 is a protein called Nucleoside diphosphate kinase 6.

Mol	Chain	Residues	Atoms					AltConf	Trace
101	Ic	201	Total	C	N	O	S	0	0
			1558	1010	267	276	5		
101	Id	201	Total	C	N	O	S	0	0
			1558	1010	267	276	5		
101	Jq	201	Total	C	N	O	S	0	0
			1558	1010	267	276	5		
101	Jr	201	Total	C	N	O	S	0	0
			1558	1010	267	276	5		

- Molecule 102 is a protein called Cytochrome b5 heme-binding domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
102	Ie	213	Total	C	N	O	S	0	0
			1756	1130	299	320	7		
102	Js	213	Total	C	N	O	S	0	0
			1756	1130	299	320	7		

- Molecule 103 is a protein called FAP385.

Mol	Chain	Residues	Atoms					AltConf	Trace
103	If	50	Total	C	N	O	S	0	0
			427	273	73	78	3		
103	Ig	50	Total	C	N	O	S	0	0
			427	273	73	78	3		
103	Jt	50	Total	C	N	O	S	0	0
			427	273	73	78	3		
103	Jz	50	Total	C	N	O	S	0	0
			427	273	73	78	3		

- Molecule 104 is a protein called FAP207.

Mol	Chain	Residues	Atoms					AltConf	Trace
104	JA	184	Total	C	N	O		0	0
			887	519	184	184			
104	Ka	204	Total	C	N	O	S	0	0
			1639	1029	294	310	6		

- Molecule 105 is a protein called FAP253.

Mol	Chain	Residues	Atoms				AltConf	Trace
105	JB	290	Total	C	N	O	0	0
			1441	861	290	290		

- Molecule 106 is a protein called 28 kDa inner dynein arm light chain, axonemal.

Mol	Chain	Residues	Atoms					AltConf	Trace
106	JE	204	Total	C	N	O	S	0	0
			1663	1037	292	327	7		
106	JF	202	Total	C	N	O	S	0	0
			1656	1033	291	325	7		
106	Kn	202	Total	C	N	O	S	0	0
			1665	1037	295	327	6		
106	Ko	202	Total	C	N	O	S	0	0
			1666	1043	294	323	6		
106	La	212	Total	C	N	O	S	0	0
			1741	1090	305	339	7		
106	Lb	212	Total	C	N	O	S	0	0
			1741	1090	305	339	7		

- Molecule 107 is a protein called AAA+ ATPase domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
107	JG	4016	Total	C	N	O	S	0	0
			31543	20072	5418	5886	167		

- Molecule 108 is a protein called UNKNOWN.

Mol	Chain	Residues	Atoms				AltConf	Trace
108	KC	72	Total	C	N	O	0	0
			360	216	72	72		

- Molecule 109 is a protein called Radial spoke protein 15.

Mol	Chain	Residues	Atoms					AltConf	Trace
109	KZ	327	Total	C	N	O	S	0	0
			2438	1529	434	465	10		

- Molecule 110 is a protein called Radial spike protein 8.

Mol	Chain	Residues	Atoms				AltConf	Trace
110	Kb	307	Total	C	N	O	0	0
			1516	902	307	307		

- Molecule 111 is a protein called DHC_N2 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
111	Kg	3950	Total	C	N	O	S	0	0
			31252	19918	5344	5825	165		

- Molecule 112 is a protein called Flagellar-associated protein 59.

Mol	Chain	Residues	Atoms					AltConf	Trace
112	Kp	410	Total	C	N	O	S	0	0
			3379	2066	639	662	12		
112	LR	416	Total	C	N	O	S	0	0
			3346	2054	639	645	8		

- Molecule 113 is a protein called Flagellar-associated protein 172.

Mol	Chain	Residues	Atoms					AltConf	Trace
113	Kq	426	Total	C	N	O	S	0	0
			3398	2082	627	682	7		
113	LS	420	Total	C	N	O	S	0	0
			3329	2034	625	659	11		

- Molecule 114 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
114	LO	1132	Total	C	N	O	S	0	0
			8687	5486	1540	1599	62		

- Molecule 115 is a protein called Cilia- and flagella-associated protein 58.

Mol	Chain	Residues	Atoms					AltConf	Trace
115	LP	543	Total	C	N	O	S	0	0
			4527	2813	818	882	14		
115	LQ	537	Total	C	N	O	S	0	0
			4478	2785	808	872	13		

- Molecule 116 is a protein called FAP251.

Mol	Chain	Residues	Atoms					AltConf	Trace
116	LY	906	Total	C	N	O	S	0	0
			6866	4326	1202	1313	25		

- Molecule 117 is a protein called Cilia- and flagella-associated protein 61.

Mol	Chain	Residues	Atoms					AltConf	Trace
117	LZ	1099	Total	C	N	O	S	0	0
			8237	5184	1431	1580	42		

- Molecule 118 is a protein called DHC2.

Mol	Chain	Residues	Atoms					AltConf	Trace
118	Lc	4049	Total	C	N	O	S	0	0
			32022	20394	5454	5998	176		

- Molecule 119 is a protein called Subunit of axonemal inner dynein.

Mol	Chain	Residues	Atoms					AltConf	Trace
119	Le	380	Total	C	N	O	S	0	0
			2873	1821	494	542	16		

- Molecule 120 is a protein called Subunit of axonemal inner dynein.

Mol	Chain	Residues	Atoms					AltConf	Trace
120	Lf	396	Total	C	N	O	S	0	0
			3032	1885	542	588	17		

- Molecule 121 is a protein called CFAP91 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
121	Lg	349	Total	C	N	O	S	0	0
			2760	1707	524	523	6		

- Molecule 122 is a protein called AAA+ ATPase domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
122	Me	3936	Total	C	N	O	S	0	0
			30885	19642	5311	5753	179		

- Molecule 123 is a protein called AAA+ ATPase domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
123	Mm	3942	Total	C	N	O	S	0	0
			31070	19760	5327	5794	189		

- Molecule 124 is a protein called Cilia- and flagella-associated protein 77.

Mol	Chain	Residues	Atoms					AltConf	Trace
124	za	106	Total	C	N	O	S	0	0
			809	513	145	147	4		
124	zb	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zc	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zd	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	ze	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zf	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zg	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zh	205	Total	C	N	O	S	0	0
			1586	1009	281	289	7		
124	zi	20	Total	C	N	O	S	0	0
			169	109	28	31	1		

- Molecule 125 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms				AltConf	Trace
125	zj	170	Total 1360	C 861	N 241	O 258	0	0
125	zk	54	Total 440	C 276	N 82	O 82	0	0
125	zl	170	Total 1360	C 861	N 241	O 258	0	0

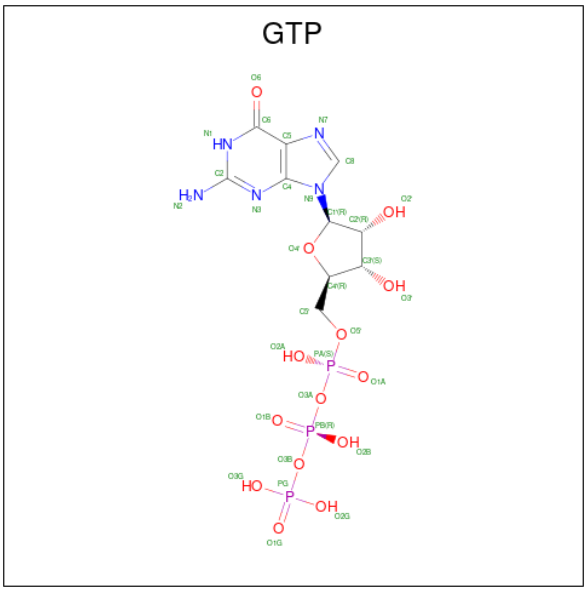
- Molecule 126 is a protein called Flagellar associated protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
126	zr	119	Total 951	C 596	N 168	O 182	S 5	0	0
126	zs	119	Total 951	C 596	N 168	O 182	S 5	0	0

- Molecule 127 is a protein called FAP1.

Mol	Chain	Residues	Atoms					AltConf	Trace
127	zt	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zu	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zv	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zw	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zx	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zy	194	Total 1509	C 942	N 278	O 281	S 8	0	0
127	zz	194	Total 1509	C 942	N 278	O 281	S 8	0	0

- Molecule 128 is GUANOSINE-5'-TRIPHOSPHATE (CCD ID: GTP) (formula: $C_{10}H_{16}N_5O_{14}P_3$).



Mol	Chain	Residues	Atoms					AltConf
128	0A	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0C	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0F	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0I	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0K	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0M	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0O	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0Q	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0R	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0V	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	0Y	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1A	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1C	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1D	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	1G	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1H	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1L	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1N	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1Q	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1S	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1T	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1W	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	1X	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2A	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2C	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2E	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2G	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2I	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2K	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2L	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2Q	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2S	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2U	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2W	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	2Y	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	3A	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3C	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3G	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3I	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3K	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3M	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3O	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3P	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	3S	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	8H	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	8I	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	8L	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	8M	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	A1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	A2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	A4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	A9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	AT	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ag	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Aj	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ak	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	An	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ao	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	At	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Av	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ay	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Az	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	B0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	B2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	B5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	B7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BB	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BG	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BL	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BN	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	BY	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ba	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bb	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	Bf	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bi	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bl	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bm	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bo	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bu	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bw	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	By	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Bz	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	C9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CE	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CG	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CK	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CM	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	CR	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CS	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CX	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	CZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ce	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cg	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ci	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cj	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cm	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cr	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ct	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cv	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cx	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Cz	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	D1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	D3	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	D5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	D7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DE	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DG	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	DH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DK	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DM	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DR	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DT	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DV	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DX	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	DZ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	De	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Df	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Di	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dk	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dm	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dr	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dt	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Du	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dw	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Dz	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	E0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	E1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	E4	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	E6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	E8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	ED	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EF	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EL	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	ER	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EV	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	EY	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ed	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ee	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Eh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ei	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	El	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Eq	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Es	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Eu	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ew	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	F0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	F1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	F3	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	F5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	F8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FE	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FG	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FQ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FT	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FV	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	FW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fc	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fe	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fg	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fi	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fk	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fl	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fp	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fr	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	Ft	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fv	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Fx	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	G0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	G1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	G3	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	G5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	G7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	GB	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	GD	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	GF	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	GH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	GI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	H2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	H3	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	H6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	H8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	I0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	I1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	I4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	I5	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	I8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	IK	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	IL	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	IW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	IX	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ii	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ik	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Iw	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Iy	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	J0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	J2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	J4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	J6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	J8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	JI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	JK	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	JU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	JW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	JX	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Jh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Jj	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	Jl	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Jw	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Jy	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	K0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	K4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	K6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	K7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	K9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KI	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KL	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	KY	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Kj	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Kl	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Kv	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Kx	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	L2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	L4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	L6	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	LH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	LJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	LU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	LX	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Lh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Li	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Lu	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Lv	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	M0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	M2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	M4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	M6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	M7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	MG	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	MH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	MT	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	MV	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Mg	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Mh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Mt	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Mu	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	N0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	N1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	N6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	N8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NF	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NH	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NJ	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NS	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NU	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	NW	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Nf	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Nh	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Ni	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	O0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	O2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	O4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	O6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	O8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	P4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	P6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	P8	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	P9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Q2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Q4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Q6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	R0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	R2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	R4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	R6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	R8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	S0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	S2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	S5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	S8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	S9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	T2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	T4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	T6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	T8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	U2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	U4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	U6	1	Total	C	N	O	P	0
			32	10	5	14	3	

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Mol	Chain	Residues	Atoms					AltConf
128	U7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	U9	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	V2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	V3	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	V8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	W0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	W2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	W4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	W5	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	W8	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	X0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	X4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	X6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	X7	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Y0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Y1	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Y4	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Y6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Z0	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Z2	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Z3	1	Total	C	N	O	P	0
			32	10	5	14	3	

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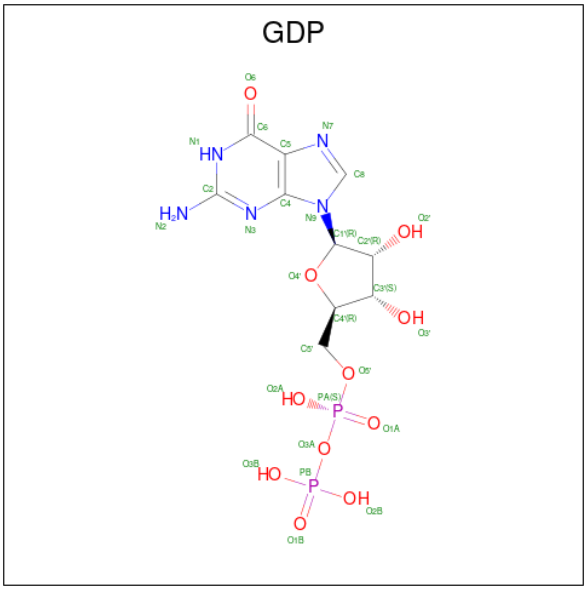
Mol	Chain	Residues	Atoms					AltConf
128	Z6	1	Total	C	N	O	P	0
			32	10	5	14	3	
128	Z7	1	Total	C	N	O	P	0
			32	10	5	14	3	

- Molecule 129 is GUANOSINE-5'-DIPHOSPHATE (CCD ID: GDP) (formula: $C_{10}H_{15}N_5O_{11}P_2$).



Mol	Chain	Residues	Atoms					AltConf
129	0A	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0C	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0E	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0G	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0I	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0K	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0M	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0O	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0Q	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	0S	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0U	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0W	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	0Y	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1A	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1C	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1E	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1G	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1K	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1M	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1O	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1Q	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1S	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1U	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	1W	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2A	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2C	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2E	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2G	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2I	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2K	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	2M	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2Q	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2S	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2U	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2W	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	2Y	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3A	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3C	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3G	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3I	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3K	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3M	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3O	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3Q	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	3S	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	8H	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	8J	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	8L	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	8N	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	A1	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	A3	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	A5	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	A6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	A7	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	A9	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	AJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ah	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Aj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Al	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	An	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ap	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Au	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Aw	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ay	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	B1	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	B3	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	B5	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	B6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	B8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BB	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BG	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BI	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	BK	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BM	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BO	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BS	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BU	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	BY	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ba	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bf	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bh	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bl	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bn	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bs	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bu	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Bw	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	By	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	C0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	C2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	C4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	C6	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	C8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CE	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CG	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CI	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CK	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CM	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CR	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CT	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CV	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CX	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	CZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ce	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cg	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ci	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ck	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cm	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cr	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ct	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cv	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cx	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Cz	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	D0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	D2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	D4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	D6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	D8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DE	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DG	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DI	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DK	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DM	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DR	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DT	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DV	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DX	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	DZ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	De	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dg	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Di	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dk	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dm	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dr	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	Dt	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dv	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dx	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Dz	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	E0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	E2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	E4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	E6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	E8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	ED	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EF	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EH	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EL	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EQ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	ES	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EU	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	EY	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ed	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ef	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	Eh	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ej	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	El	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Eq	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Es	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Eu	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ew	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	F0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	F2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	F6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	F8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FC	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FE	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FG	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FI	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FK	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FP	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FR	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FT	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FV	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	FX	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	Fc	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fe	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fg	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fi	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fk	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fp	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fr	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ft	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fv	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Fx	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	G0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	G2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	G4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	G6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	G8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	GB	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	GD	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	GF	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	GH	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	GJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	H2	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	H4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	H6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	H8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	I0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	I2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	I4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	I8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	IK	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	IM	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	IW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	IY	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ij	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Il	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Iw	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Iy	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	J0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	J2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	J4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	J6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	J8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	JJ	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	JL	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	JU	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	JW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	JY	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Jh	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Jj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Jl	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Ju	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Jw	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Jy	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	K0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	K4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	K6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	K8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KH	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KL	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KU	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	KY	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Kh	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	Kj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Kl	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Kv	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Kx	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	L0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	L2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	L4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	L6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	LH	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	LJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	LT	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	LV	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	LX	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Lh	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Lj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Lu	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Lw	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	M0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	M2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	M4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	M6	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	M8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	MG	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	MI	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	MT	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	MV	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Mg	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Mi	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Mt	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Mv	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	N0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	N2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	N6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	N8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NF	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NH	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NJ	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NS	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NU	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	NW	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Nf	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Nh	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	Nj	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	O0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	O2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	O4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	O6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	O8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	P4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	P6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	P8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Q0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Q2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Q4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Q6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Q8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	R0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	R2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	R4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	R6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	R8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	S0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	S2	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	S4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	S6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	S8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	T0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	T2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	T4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	T6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	T8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	U2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	U4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	U6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	U8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	V0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	V2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	V4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	V6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	V8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	W0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	W2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	W4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	W6	1	Total	C	N	O	P	0
			28	10	5	11	2	

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Mol	Chain	Residues	Atoms					AltConf
129	W8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	X0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	X2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	X4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	X6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	X8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Y0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Y2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Y4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Y6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Y8	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Z0	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Z2	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Z4	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Z6	1	Total	C	N	O	P	0
			28	10	5	11	2	
129	Z8	1	Total	C	N	O	P	0
			28	10	5	11	2	

- Molecule 130 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		AltConf
130	0B	1	Total	Mg	0
			1	1	
130	0F	1	Total	Mg	0
			1	1	
130	0I	1	Total	Mg	0
			1	1	

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Mol	Chain	Residues	Atoms	AltConf
130	0J	1	Total Mg 1 1	0
130	0L	1	Total Mg 1 1	0
130	0N	1	Total Mg 1 1	0
130	0Q	1	Total Mg 1 1	0
130	0R	1	Total Mg 1 1	0
130	0V	1	Total Mg 1 1	0
130	0X	1	Total Mg 1 1	0
130	0Z	1	Total Mg 1 1	0
130	1B	1	Total Mg 1 1	0
130	1D	1	Total Mg 1 1	0
130	1F	1	Total Mg 1 1	0
130	1H	2	Total Mg 2 2	0
130	1L	1	Total Mg 1 1	0
130	1N	1	Total Mg 1 1	0
130	1P	1	Total Mg 1 1	0
130	1R	1	Total Mg 1 1	0
130	1T	1	Total Mg 1 1	0
130	1V	1	Total Mg 1 1	0
130	1X	1	Total Mg 1 1	0
130	1Z	1	Total Mg 1 1	0
130	2B	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	2D	1	Total Mg 1 1	0
130	2F	1	Total Mg 1 1	0
130	2H	1	Total Mg 1 1	0
130	2J	1	Total Mg 1 1	0
130	2L	1	Total Mg 1 1	0
130	2N	1	Total Mg 1 1	0
130	2P	1	Total Mg 1 1	0
130	2R	1	Total Mg 1 1	0
130	2T	1	Total Mg 1 1	0
130	2V	1	Total Mg 1 1	0
130	2X	1	Total Mg 1 1	0
130	2Z	1	Total Mg 1 1	0
130	3B	1	Total Mg 1 1	0
130	3D	1	Total Mg 1 1	0
130	3F	1	Total Mg 1 1	0
130	3H	1	Total Mg 1 1	0
130	3J	1	Total Mg 1 1	0
130	3L	1	Total Mg 1 1	0
130	3N	1	Total Mg 1 1	0
130	3P	1	Total Mg 1 1	0
130	3R	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	3T	1	Total Mg 1 1	0
130	8F	1	Total Mg 1 1	0
130	8I	1	Total Mg 1 1	0
130	8K	1	Total Mg 1 1	0
130	8M	1	Total Mg 1 1	0
130	A0	1	Total Mg 1 1	0
130	A2	1	Total Mg 1 1	0
130	A4	1	Total Mg 1 1	0
130	A8	1	Total Mg 1 1	0
130	AT	1	Total Mg 1 1	0
130	Ag	1	Total Mg 1 1	0
130	Ai	1	Total Mg 1 1	0
130	Ak	1	Total Mg 1 1	0
130	Am	1	Total Mg 1 1	0
130	Ao	1	Total Mg 1 1	0
130	At	1	Total Mg 1 1	0
130	Av	1	Total Mg 1 1	0
130	Ay	1	Total Mg 1 1	0
130	Az	1	Total Mg 1 1	0
130	B0	1	Total Mg 1 1	0
130	B2	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	B4	1	Total Mg 1 1	0
130	B7	1	Total Mg 1 1	0
130	B9	1	Total Mg 1 1	0
130	BA	1	Total Mg 1 1	0
130	BF	1	Total Mg 1 1	0
130	BH	1	Total Mg 1 1	0
130	BJ	1	Total Mg 1 1	0
130	BL	1	Total Mg 1 1	0
130	BN	1	Total Mg 1 1	0
130	BT	1	Total Mg 1 1	0
130	BV	1	Total Mg 1 1	0
130	BX	1	Total Mg 1 1	0
130	BZ	1	Total Mg 1 1	0
130	Bb	1	Total Mg 1 1	0
130	Bg	1	Total Mg 1 1	0
130	Bi	1	Total Mg 1 1	0
130	Bk	1	Total Mg 1 1	0
130	Bm	1	Total Mg 1 1	0
130	Bo	1	Total Mg 1 1	0
130	Bt	1	Total Mg 1 1	0
130	Bw	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	By	1	Total Mg 1 1	0
130	Bz	1	Total Mg 1 1	0
130	C1	1	Total Mg 1 1	0
130	C5	1	Total Mg 1 1	0
130	C7	1	Total Mg 1 1	0
130	C9	1	Total Mg 1 1	0
130	CA	1	Total Mg 1 1	0
130	CE	1	Total Mg 1 1	0
130	CF	1	Total Mg 1 1	0
130	CI	1	Total Mg 1 1	0
130	CJ	1	Total Mg 1 1	0
130	CM	1	Total Mg 1 1	0
130	CN	1	Total Mg 1 1	0
130	CS	1	Total Mg 1 1	0
130	CU	1	Total Mg 1 1	0
130	CW	1	Total Mg 1 1	0
130	CY	1	Total Mg 1 1	0
130	Cf	1	Total Mg 1 1	0
130	Ch	1	Total Mg 1 1	0
130	Cj	1	Total Mg 1 1	0
130	Cl	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	Cs	1	Total Mg 1 1	0
130	Cv	1	Total Mg 1 1	0
130	Cw	1	Total Mg 1 1	0
130	Cy	1	Total Mg 1 1	0
130	D1	1	Total Mg 1 1	0
130	D3	1	Total Mg 1 1	0
130	D5	1	Total Mg 1 1	0
130	D7	1	Total Mg 1 1	0
130	DD	1	Total Mg 1 1	0
130	DF	1	Total Mg 1 1	0
130	DH	1	Total Mg 1 1	0
130	DJ	1	Total Mg 1 1	0
130	DL	1	Total Mg 1 1	0
130	DN	1	Total Mg 1 1	0
130	DQ	1	Total Mg 1 1	0
130	DS	1	Total Mg 1 1	0
130	DU	1	Total Mg 1 1	0
130	DW	1	Total Mg 1 1	0
130	DY	1	Total Mg 1 1	0
130	Da	1	Total Mg 1 1	0
130	Dd	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	Df	1	Total Mg 1 1	0
130	Dh	1	Total Mg 1 1	0
130	Dj	1	Total Mg 1 1	0
130	Dl	1	Total Mg 1 1	0
130	Dq	1	Total Mg 1 1	0
130	Ds	1	Total Mg 1 1	0
130	Du	1	Total Mg 1 1	0
130	Dw	1	Total Mg 1 1	0
130	Dy	1	Total Mg 1 1	0
130	E1	1	Total Mg 1 1	0
130	E3	1	Total Mg 1 1	0
130	E5	1	Total Mg 1 1	0
130	E7	1	Total Mg 1 1	0
130	E9	1	Total Mg 1 1	0
130	EC	1	Total Mg 1 1	0
130	EE	1	Total Mg 1 1	0
130	EG	1	Total Mg 1 1	0
130	EI	1	Total Mg 1 1	0
130	EK	1	Total Mg 1 1	0
130	EP	1	Total Mg 1 1	0
130	ER	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	ET	1	Total Mg 1 1	0
130	EV	1	Total Mg 1 1	0
130	EX	1	Total Mg 1 1	0
130	Ec	1	Total Mg 1 1	0
130	Ee	1	Total Mg 1 1	0
130	Eg	1	Total Mg 1 1	0
130	Ei	1	Total Mg 1 1	0
130	Ek	1	Total Mg 1 1	0
130	Ep	1	Total Mg 1 1	0
130	Er	1	Total Mg 1 1	0
130	Et	1	Total Mg 1 1	0
130	Ev	1	Total Mg 1 1	0
130	Ex	1	Total Mg 1 1	0
130	F1	1	Total Mg 1 1	0
130	F3	1	Total Mg 1 1	0
130	F5	1	Total Mg 1 1	0
130	F7	1	Total Mg 1 1	0
130	F9	1	Total Mg 1 1	0
130	FD	1	Total Mg 1 1	0
130	FF	1	Total Mg 1 1	0
130	FH	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	FJ	1	Total Mg 1 1	0
130	FL	1	Total Mg 1 1	0
130	FQ	1	Total Mg 1 1	0
130	FT	1	Total Mg 1 1	0
130	FU	1	Total Mg 1 1	0
130	FW	1	Total Mg 1 1	0
130	FY	1	Total Mg 1 1	0
130	Fd	1	Total Mg 1 1	0
130	Ff	1	Total Mg 1 1	0
130	Fh	1	Total Mg 1 1	0
130	Fj	1	Total Mg 1 1	0
130	Fl	1	Total Mg 1 1	0
130	Fq	1	Total Mg 1 1	0
130	Fs	1	Total Mg 1 1	0
130	Fu	1	Total Mg 1 1	0
130	Fw	1	Total Mg 1 1	0
130	G1	1	Total Mg 1 1	0
130	G3	1	Total Mg 1 1	0
130	G5	1	Total Mg 1 1	0
130	G7	1	Total Mg 1 1	0
130	G9	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	GC	1	Total Mg 1 1	0
130	GE	1	Total Mg 1 1	0
130	GG	1	Total Mg 1 1	0
130	GI	1	Total Mg 1 1	0
130	H1	1	Total Mg 1 1	0
130	H3	1	Total Mg 1 1	0
130	H5	1	Total Mg 1 1	0
130	H8	1	Total Mg 1 1	0
130	H9	1	Total Mg 1 1	0
130	Hu	1	Total Mg 1 1	0
130	I1	1	Total Mg 1 1	0
130	I4	1	Total Mg 1 1	0
130	I5	1	Total Mg 1 1	0
130	I7	1	Total Mg 1 1	0
130	I9	1	Total Mg 1 1	0
130	IL	1	Total Mg 1 1	0
130	IV	1	Total Mg 1 1	0
130	IX	1	Total Mg 1 1	0
130	IZ	1	Total Mg 1 1	0
130	Ii	1	Total Mg 1 1	0
130	Ik	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	Im	1	Total Mg 1 1	0
130	Iv	1	Total Mg 1 1	0
130	Ix	1	Total Mg 1 1	0
130	Iz	1	Total Mg 1 1	0
130	J1	1	Total Mg 1 1	0
130	J3	1	Total Mg 1 1	0
130	J5	1	Total Mg 1 1	0
130	J8	1	Total Mg 1 1	0
130	J9	1	Total Mg 1 1	0
130	JI	1	Total Mg 1 1	0
130	JK	1	Total Mg 1 1	0
130	JU	1	Total Mg 1 1	0
130	JW	1	Total Mg 1 1	0
130	JX	1	Total Mg 1 1	0
130	Jh	1	Total Mg 1 1	0
130	Ji	1	Total Mg 1 1	0
130	Jl	1	Total Mg 1 1	0
130	Jv	1	Total Mg 1 1	0
130	Jx	1	Total Mg 1 1	0
130	K3	1	Total Mg 1 1	0
130	K5	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	K7	1	Total Mg 1 1	0
130	K9	1	Total Mg 1 1	0
130	KI	1	Total Mg 1 1	0
130	KK	1	Total Mg 1 1	0
130	KV	1	Total Mg 1 1	0
130	KX	1	Total Mg 1 1	0
130	Kj	1	Total Mg 1 1	0
130	Kk	1	Total Mg 1 1	0
130	Kv	1	Total Mg 1 1	0
130	Kw	1	Total Mg 1 1	0
130	Ky	1	Total Mg 1 1	0
130	L1	1	Total Mg 1 1	0
130	L3	1	Total Mg 1 1	0
130	L5	1	Total Mg 1 1	0
130	L7	1	Total Mg 1 1	0
130	L9	1	Total Mg 1 1	0
130	LI	1	Total Mg 1 1	0
130	LK	1	Total Mg 1 1	0
130	LU	1	Total Mg 1 1	0
130	LW	1	Total Mg 1 1	0
130	Li	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	Lv	1	Total Mg 1 1	0
130	Lx	1	Total Mg 1 1	0
130	M1	1	Total Mg 1 1	0
130	M3	1	Total Mg 1 1	0
130	M5	1	Total Mg 1 1	0
130	M7	1	Total Mg 1 1	0
130	M9	1	Total Mg 1 1	0
130	MF	1	Total Mg 1 1	0
130	MH	1	Total Mg 1 1	0
130	MS	1	Total Mg 1 1	0
130	MU	1	Total Mg 1 1	0
130	MW	1	Total Mg 1 1	0
130	Mf	1	Total Mg 1 1	0
130	Mh	1	Total Mg 1 1	0
130	Mj	1	Total Mg 1 1	0
130	Ms	1	Total Mg 1 1	0
130	Mu	1	Total Mg 1 1	0
130	Mw	1	Total Mg 1 1	0
130	N1	1	Total Mg 1 1	0
130	N3	1	Total Mg 1 1	0
130	N5	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	N7	1	Total Mg 1 1	0
130	N9	1	Total Mg 1 1	0
130	NG	1	Total Mg 1 1	0
130	NI	1	Total Mg 1 1	0
130	NT	1	Total Mg 1 1	0
130	NV	1	Total Mg 1 1	0
130	Ng	1	Total Mg 1 1	0
130	Ni	1	Total Mg 1 1	0
130	O1	1	Total Mg 1 1	0
130	O4	1	Total Mg 1 1	0
130	O5	1	Total Mg 1 1	0
130	O7	1	Total Mg 1 1	0
130	O9	1	Total Mg 1 1	0
130	P4	1	Total Mg 1 1	0
130	P6	1	Total Mg 1 1	0
130	P7	1	Total Mg 1 1	0
130	P9	1	Total Mg 1 1	0
130	Q1	1	Total Mg 1 1	0
130	Q3	1	Total Mg 1 1	0
130	Q5	1	Total Mg 1 1	0
130	Q9	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	R2	1	Total Mg 1 1	0
130	R3	1	Total Mg 1 1	0
130	R5	1	Total Mg 1 1	0
130	R8	1	Total Mg 1 1	0
130	R9	1	Total Mg 1 1	0
130	S1	1	Total Mg 1 1	0
130	S5	1	Total Mg 1 1	0
130	S7	1	Total Mg 1 1	0
130	S9	1	Total Mg 1 1	0
130	T1	1	Total Mg 1 1	0
130	T3	1	Total Mg 1 1	0
130	T5	1	Total Mg 1 1	0
130	T7	1	Total Mg 1 1	0
130	U1	1	Total Mg 1 1	0
130	U3	1	Total Mg 1 1	0
130	U5	1	Total Mg 1 1	0
130	U8	1	Total Mg 1 1	0
130	U9	1	Total Mg 1 1	0
130	V1	1	Total Mg 1 1	0
130	V3	1	Total Mg 1 1	0
130	V7	1	Total Mg 1 1	0

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Mol	Chain	Residues	Atoms	AltConf
130	V9	1	Total Mg 1 1	0
130	W1	1	Total Mg 1 1	0
130	W3	1	Total Mg 1 1	0
130	W5	1	Total Mg 1 1	0
130	W7	1	Total Mg 1 1	0
130	W9	1	Total Mg 1 1	0
130	X3	1	Total Mg 1 1	0
130	X5	1	Total Mg 1 1	0
130	X7	1	Total Mg 1 1	0
130	X9	1	Total Mg 1 1	0
130	Y1	1	Total Mg 1 1	0
130	Y3	1	Total Mg 1 1	0
130	Y5	1	Total Mg 1 1	0
130	Y9	1	Total Mg 1 1	0
130	Z1	1	Total Mg 1 1	0
130	Z3	1	Total Mg 1 1	0
130	Z5	1	Total Mg 1 1	0
130	Z7	1	Total Mg 1 1	0
130	Z9	1	Total Mg 1 1	0

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, Not provided	
Number of particles used	261585	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	61	Depositor
Minimum defocus (nm)	500	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	64000	Depositor
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor
Maximum map value	0.146	Depositor
Minimum map value	0.000	Depositor
Average map value	0.002	Depositor
Map value standard deviation	0.005	Depositor
Recommended contour level	0.01	Depositor
Map size (Å)	772.48, 886.72003, 1296.08	wwPDB
Map dimensions	568, 652, 953	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.36, 1.36, 1.3599999	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 1009 ligands modelled in this entry, 338 are monoatomic - leaving 671 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	$\#\|Z\| > 2$
129	GDP	T4	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Ij	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	3C	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	2G	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	B3	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Jy	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	E8	501	130	29,34,34	1.37	3 (10%)	35,54,54	1.22	4 (11%)
128	GTP	Ed	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.33	5 (14%)
129	GDP	JJ	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	1G	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	O0	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	2C	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	C5	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Fp	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	2A	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	W2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	1A	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.28	4 (11%)
128	GTP	3P	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.36	5 (14%)
128	GTP	Bz	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.30	4 (11%)
128	GTP	DK	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	Cm	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.30	4 (11%)
128	GTP	Cg	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	El	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	L6	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	Bh	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	Fi	501	130	29,34,34	1.26	2 (6%)	35,54,54	1.31	3 (8%)
129	GDP	C4	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Bb	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.26	3 (8%)
128	GTP	KW	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	BG	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	Cg	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.05	2 (6%)
128	GTP	2C	501	130	29,34,34	1.31	5 (17%)	35,54,54	1.39	5 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	Dg	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	KJ	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	Bu	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	G2	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	FT	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	CK	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	FW	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	S6	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Fc	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	GJ	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	L0	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Mg	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	V4	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	1T	501	130	29,34,34	1.20	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	1D	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	IW	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	Iw	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.05	2 (6%)
129	GDP	DI	501	-	25,30,30	0.93	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	D8	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.17	3 (10%)
129	GDP	0K	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	0O	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.39	5 (14%)
129	GDP	Mv	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	Bi	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	E0	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	CG	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	E4	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	1L	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	3S	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	C4	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	D6	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.15	3 (10%)
129	GDP	DR	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	FJ	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	A4	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	3M	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.28	3 (8%)
128	GTP	0Q	502	130	29,34,34	1.27	2 (6%)	35,54,54	1.27	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	EL	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Ct	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	CT	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	R6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	1 (3%)
129	GDP	I4	503	-	25,30,30	0.95	1 (4%)	30,47,47	1.17	2 (6%)
129	GDP	Q0	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	1 (3%)
128	GTP	T4	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	0M	502	-	25,30,30	1.01	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	2U	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	MI	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	U6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	An	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	E1	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	AT	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	Dt	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	Di	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	EH	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	Kl	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	X0	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	0Q	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	Ce	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	EY	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.25	3 (8%)
128	GTP	J6	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	CX	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	0U	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	LU	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	U2	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.27	4 (11%)
129	GDP	Mi	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	K0	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Z6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	DG	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	Mt	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.31	4 (11%)
128	GTP	Ik	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Cz	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	X4	501	130	29,34,34	1.29	3 (10%)	35,54,54	1.31	5 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	0C	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	D0	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	FT	503	-	25,30,30	0.94	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	De	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	BK	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	N0	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	CZ	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	2K	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	F2	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	T8	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	EI	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.31	4 (11%)
128	GTP	M6	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	Al	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	G6	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	BY	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.39	7 (20%)
128	GTP	3C	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	1E	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.13	4 (13%)
129	GDP	Aw	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	CM	503	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	CG	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	K4	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	BW	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.34	4 (11%)
129	GDP	X2	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	3G	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	IX	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	H4	501	-	25,30,30	1.00	1 (4%)	30,47,47	1.14	2 (6%)
129	GDP	H6	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.13	2 (6%)
129	GDP	I2	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	W2	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	JL	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	1X	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.29	3 (8%)
129	GDP	FP	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.16	2 (6%)
128	GTP	Aj	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	FQ	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Ci	501	130	29,34,34	1.26	2 (6%)	35,54,54	1.28	5 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	Mu	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	FE	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	1O	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	MV	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	2G	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	MG	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	Dw	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	L4	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	G0	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Ju	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Bm	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	2S	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	O0	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	F3	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	F8	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	X6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	P8	502	-	25,30,30	1.01	1 (4%)	30,47,47	1.14	3 (10%)
128	GTP	1W	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.31	4 (11%)
128	GTP	D5	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	3 (8%)
128	GTP	BU	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.23	3 (8%)
128	GTP	S5	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	Z8	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	2W	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	Ay	502	130	29,34,34	1.21	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	Iy	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.24	4 (11%)
129	GDP	FI	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	C9	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	3 (8%)
129	GDP	E6	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	IW	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Bu	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	5 (14%)
128	GTP	R4	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	Fv	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Dr	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	LH	501	-	29,34,34	1.24	2 (6%)	35,54,54	1.24	4 (11%)
128	GTP	Ni	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.29	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	Eq	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	R8	503	-	25,30,30	0.97	1 (4%)	30,47,47	1.14	3 (10%)
129	GDP	AJ	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	Dv	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	Bn	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	O8	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	Z2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	G3	502	130	29,34,34	1.29	4 (13%)	35,54,54	1.36	6 (17%)
128	GTP	NH	501	130	29,34,34	2.89	4 (13%)	35,54,54	2.25	10 (28%)
129	GDP	A6	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	BI	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	JU	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Fi	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	8N	501	-	25,30,30	1.01	2 (8%)	30,47,47	1.11	2 (6%)
128	GTP	I4	502	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	2M	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	JW	502	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	2I	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	Jl	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	5 (14%)
128	GTP	NW	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	D4	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.15	3 (10%)
128	GTP	Kv	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.26	4 (11%)
128	GTP	FI	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.29	4 (11%)
128	GTP	0C	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.29	4 (11%)
128	GTP	Nh	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	C8	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.05	2 (6%)
128	GTP	F5	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.24	4 (11%)
129	GDP	CI	503	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	MH	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	3G	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
128	GTP	2Y	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.28	4 (11%)
129	GDP	Nj	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	CR	502	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	C0	501	130	29,34,34	1.26	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	EF	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.29	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	W4	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	F1	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	CX	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	N2	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Y8	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	LX	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	0S	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	3 (10%)
128	GTP	V2	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	DX	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	H6	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	Jj	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	0O	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.10	3 (10%)
129	GDP	ES	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	1M	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	Z0	501	130	29,34,34	1.28	4 (13%)	35,54,54	1.27	4 (11%)
128	GTP	S2	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	A9	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.24	4 (11%)
128	GTP	Fe	501	130	29,34,34	1.23	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	Bo	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	A3	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.15	3 (10%)
128	GTP	NU	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	P4	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	3 (8%)
129	GDP	EJ	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	1 (3%)
128	GTP	X7	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.37	4 (11%)
129	GDP	KW	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	NJ	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	M4	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.27	4 (11%)
129	GDP	0I	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	EQ	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.31	4 (11%)
128	GTP	DR	501	130	29,34,34	1.27	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	3S	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	IL	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.39	7 (20%)
129	GDP	J6	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	H3	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	3K	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.26	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	Dm	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	T2	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Fg	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	G8	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	A1	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.06	1 (3%)
129	GDP	1G	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	Ii	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	2A	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	GF	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.33	4 (11%)
128	GTP	1H	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Lh	501	-	29,34,34	1.26	4 (13%)	35,54,54	1.27	4 (11%)
129	GDP	H8	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	IM	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	R6	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	O2	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.30	4 (11%)
128	GTP	Jy	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.27	4 (11%)
129	GDP	EW	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	0Y	501	130	29,34,34	1.22	3 (10%)	35,54,54	1.27	4 (11%)
129	GDP	3K	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	Lu	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	3 (10%)
128	GTP	W0	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.27	3 (8%)
129	GDP	Bl	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	R4	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.13	3 (10%)
129	GDP	0G	501	-	25,30,30	1.12	2 (8%)	30,47,47	1.98	9 (30%)
129	GDP	3A	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	3I	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	K6	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Y6	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	LJ	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	3M	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Q6	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	J4	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	3 (8%)
129	GDP	BG	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	BY	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	3 (10%)
129	GDP	O4	503	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	8M	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	T0	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	F8	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.12	3 (10%)
128	GTP	U6	501	130	29,34,34	1.27	4 (13%)	35,54,54	1.27	4 (11%)
129	GDP	BS	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	NH	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Ew	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	IY	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Z3	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.39	6 (17%)
128	GTP	Jh	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	Cx	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	DE	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	3O	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.30	3 (8%)
128	GTP	Ft	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	X0	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Dz	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.29	5 (14%)
128	GTP	D1	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	3 (8%)
129	GDP	P6	503	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	NW	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	P6	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	A1	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Mh	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	2E	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	Es	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	CK	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	M0	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	R8	502	130	29,34,34	1.26	2 (6%)	35,54,54	1.26	5 (14%)
129	GDP	DE	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	1 (3%)
129	GDP	Fx	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	U2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.11	3 (10%)
128	GTP	Du	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	1S	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	FC	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	H2	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	B5	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	KL	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.29	4 (11%)
128	GTP	Q4	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	DG	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	Ck	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	JW	503	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	L2	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	1W	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	Au	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	0A	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	Cv	503	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	BW	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	CZ	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	DT	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	2Q	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	2U	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Dk	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	Dt	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.05	2 (6%)
129	GDP	EU	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	LJ	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.29	4 (11%)
128	GTP	2I	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.27	4 (11%)
129	GDP	GD	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	Jw	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	Ej	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	H2	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	FV	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	BB	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	D3	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.28	3 (8%)
129	GDP	MT	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	K7	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	CU	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	CE	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	Fr	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	I0	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	MV	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	NU	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.10	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	BJ	501	130	29,34,34	1.20	2 (6%)	35,54,54	1.29	3 (8%)
128	GTP	KI	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.31	4 (11%)
129	GDP	DK	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.13	2 (6%)
129	GDP	Kv	503	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	GF	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.05	2 (6%)
128	GTP	EV	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.29	3 (8%)
129	GDP	F0	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	JU	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	S0	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	V0	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.05	2 (6%)
129	GDP	B8	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	1C	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.15	2 (6%)
128	GTP	0I	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	Bh	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Kx	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	Y4	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.30	4 (11%)
128	GTP	Es	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.29	5 (14%)
128	GTP	Ak	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.32	4 (11%)
128	GTP	El	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.29	5 (14%)
128	GTP	K0	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	H8	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	GB	501	130	29,34,34	1.27	2 (6%)	35,54,54	1.31	5 (14%)
129	GDP	EQ	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	BU	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	NS	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	B0	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	N1	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.30	4 (11%)
128	GTP	Y1	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	W4	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	JK	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	ER	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.39	5 (14%)
128	GTP	B2	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	DX	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	IK	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.24	4 (11%)
128	GTP	0A	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	1K	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Ci	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	KH	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	P4	503	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	Bw	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	N0	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	BL	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.29	3 (8%)
128	GTP	T8	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	Lv	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	Kj	503	-	25,30,30	0.98	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	X8	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Eq	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.29	5 (14%)
128	GTP	Fr	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	G4	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	By	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	L6	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	LH	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	V8	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	LV	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	FG	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.28	5 (14%)
128	GTP	1Q	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	An	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	DM	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	U4	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	A7	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	At	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	B6	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.12	3 (10%)
128	GTP	Eh	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	I8	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	3A	501	130	29,34,34	1.20	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	Bs	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.14	2 (6%)
129	GDP	8J	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	Ba	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	5 (14%)
129	GDP	BO	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Fg	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.30	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	8H	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	G1	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.24	4 (11%)
129	GDP	NF	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	K8	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Ce	502	130	29,34,34	1.25	2 (6%)	35,54,54	1.31	4 (11%)
128	GTP	K9	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
128	GTP	X6	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	Ei	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.24	3 (8%)
128	GTP	V8	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
129	GDP	Fk	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	O4	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.24	4 (11%)
129	GDP	Nf	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	Z0	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	S2	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	A9	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	Cv	502	130	29,34,34	1.22	2 (6%)	35,54,54	1.30	4 (11%)
128	GTP	Fx	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	Y6	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	0V	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.23	4 (11%)
128	GTP	K6	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	Fl	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	DZ	502	-	25,30,30	0.92	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	2S	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	Jh	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	R0	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Nh	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	D7	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	R2	502	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	DT	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	ED	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.11	3 (10%)
129	GDP	M4	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	U8	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	GH	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	X4	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Fp	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	I1	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	C0	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.05	2 (6%)
128	GTP	V3	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	M2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	EH	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	Li	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.30	4 (11%)
129	GDP	E2	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	V2	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	NF	501	-	29,34,34	1.26	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	Eu	501	130	29,34,34	1.31	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	N6	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	2W	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	M6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Cr	502	130	29,34,34	1.24	3 (10%)	35,54,54	1.25	5 (14%)
129	GDP	1U	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	Ay	503	-	25,30,30	0.94	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	DV	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	W5	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	0Y	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.16	2 (6%)
128	GTP	Z6	501	130	29,34,34	1.28	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	KY	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.29	4 (11%)
129	GDP	Mt	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.13	2 (6%)
128	GTP	DH	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	Lw	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	J4	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Ag	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Bf	502	130	29,34,34	1.26	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Dk	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Jw	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	Kj	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Aj	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	G7	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	O6	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.05	2 (6%)
129	GDP	Z4	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	8H	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	GI	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.33	4 (11%)
128	GTP	U7	501	130	29,34,34	1.26	4 (13%)	35,54,54	1.29	4 (11%)
128	GTP	W8	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	O2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	Ft	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	KU	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	LT	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	J0	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	0W	501	-	25,30,30	1.00	1 (4%)	30,47,47	1.14	3 (10%)
129	GDP	J2	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	DM	502	-	25,30,30	0.93	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	I0	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
128	GTP	O6	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.35	3 (8%)
129	GDP	S4	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	1 (3%)
129	GDP	F6	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	BM	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.12	2 (6%)
128	GTP	E0	502	130	29,34,34	1.25	2 (6%)	35,54,54	1.24	4 (11%)
128	GTP	L2	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.27	4 (11%)
129	GDP	S8	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	1S	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.13	2 (6%)
129	GDP	Q2	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.14	3 (10%)
129	GDP	Q4	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.14	2 (6%)
129	GDP	CV	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	B7	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.24	4 (11%)
129	GDP	Bw	503	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	J0	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.11	2 (6%)
129	GDP	C2	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	2Q	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	A2	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.41	6 (17%)
128	GTP	Lu	501	-	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	BB	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	Az	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	0K	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	1N	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	Y4	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	S9	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	Bj	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	0R	502	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	CS	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	W6	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	T6	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Dm	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	J2	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	S8	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	2E	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	EL	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	JX	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	By	503	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	M8	501	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	2L	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	M0	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	J8	502	130	29,34,34	1.24	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	0M	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.27	4 (11%)
128	GTP	Nf	501	-	29,34,34	1.26	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	R0	501	130	29,34,34	1.23	3 (10%)	35,54,54	1.30	4 (11%)
129	GDP	Jj	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Lj	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	N8	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	Kx	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	M7	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	V6	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	1 (3%)
128	GTP	E4	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	CI	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	Y0	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.24	4 (11%)
128	GTP	B5	501	130	29,34,34	1.24	3 (10%)	35,54,54	1.29	5 (14%)
129	GDP	J8	503	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Fc	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	FR	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	KU	501	-	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	8I	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	Ed	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	3 (10%)
129	GDP	IK	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	A5	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Eu	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.04	2 (6%)
128	GTP	Bl	501	130	29,34,34	1.26	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	W0	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	2Y	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	EF	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	De	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	DZ	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	LX	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	Di	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	DV	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.32	4 (11%)
129	GDP	T2	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	BN	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	3 (8%)
128	GTP	1C	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.29	4 (11%)
129	GDP	8L	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	M2	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.27	4 (11%)
129	GDP	Il	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	Ee	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	K4	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	MT	501	130	29,34,34	1.29	4 (13%)	35,54,54	1.31	4 (11%)
129	GDP	0E	501	-	25,30,30	1.00	2 (8%)	30,47,47	1.09	2 (6%)
128	GTP	I8	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	U4	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Ef	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Eh	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	FV	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.29	4 (11%)
128	GTP	E6	501	130	29,34,34	1.22	3 (10%)	35,54,54	1.29	4 (11%)
129	GDP	T6	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	JI	502	130	29,34,34	1.23	2 (6%)	35,54,54	1.24	4 (11%)
128	GTP	I5	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	Ap	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	B1	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	GB	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.06	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	Dr	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.30	4 (11%)
128	GTP	F0	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	3I	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	Ao	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.40	6 (17%)
128	GTP	Df	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	FG	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.16	4 (13%)
129	GDP	W8	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.11	2 (6%)
128	GTP	FE	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.27	3 (8%)
129	GDP	R2	503	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Mg	501	130	29,34,34	1.23	3 (10%)	35,54,54	1.25	4 (11%)
129	GDP	Cr	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	C6	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	Z2	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.23	4 (11%)
129	GDP	EY	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	KL	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.13	2 (6%)
128	GTP	MG	501	130	29,34,34	1.20	2 (6%)	35,54,54	1.33	5 (14%)
128	GTP	L4	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	Q6	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	G0	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.26	4 (11%)
129	GDP	N6	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.05	2 (6%)
129	GDP	Dz	502	-	25,30,30	0.94	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	JY	501	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	Bf	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	BH	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.27	3 (8%)
128	GTP	Fk	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.30	5 (14%)
128	GTP	P8	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	KH	501	-	29,34,34	1.26	3 (10%)	35,54,54	1.24	4 (11%)
129	GDP	CR	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	U9	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	Cx	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.26	3 (8%)
128	GTP	CM	502	130	29,34,34	1.25	2 (6%)	35,54,54	1.35	4 (11%)
128	GTP	GD	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.26	4 (11%)
129	GDP	Lh	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	3Q	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.07	2 (6%)
128	GTP	0F	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.24	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
128	GTP	C8	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
129	GDP	KY	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	2 (6%)
129	GDP	Ah	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	Cz	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.29	4 (11%)
129	GDP	Y2	501	-	25,30,30	0.96	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Iy	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.06	2 (6%)
128	GTP	Q2	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.25	4 (11%)
129	GDP	FX	501	-	25,30,30	0.97	1 (4%)	30,47,47	1.10	1 (3%)
128	GTP	Av	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.26	4 (11%)
128	GTP	N8	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.26	4 (11%)
128	GTP	Iw	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
128	GTP	Fv	501	130	29,34,34	1.27	3 (10%)	35,54,54	1.30	4 (11%)
129	GDP	Ba	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	D2	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.08	2 (6%)
128	GTP	G5	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.28	4 (11%)
128	GTP	ED	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.30	5 (14%)
128	GTP	Kl	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	1A	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.15	3 (10%)
128	GTP	NS	501	-	29,34,34	1.27	3 (10%)	35,54,54	1.25	4 (11%)
128	GTP	C1	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	Ct	501	130	29,34,34	1.21	2 (6%)	35,54,54	1.25	3 (8%)
128	GTP	O8	501	130	29,34,34	1.22	2 (6%)	35,54,54	1.28	3 (8%)
129	GDP	GH	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	Jl	503	-	25,30,30	0.99	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Dx	501	-	25,30,30	0.94	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	S0	501	130	29,34,34	1.24	2 (6%)	35,54,54	1.27	4 (11%)
129	GDP	FK	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
129	GDP	Q8	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.09	2 (6%)
129	GDP	NJ	502	-	25,30,30	1.00	1 (4%)	30,47,47	1.09	2 (6%)
128	GTP	CE	502	130	29,34,34	1.21	2 (6%)	35,54,54	1.27	3 (8%)
128	GTP	Cj	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.30	4 (11%)
129	GDP	3O	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.07	2 (6%)
129	GDP	E8	502	-	25,30,30	0.98	1 (4%)	30,47,47	1.06	1 (3%)
129	GDP	Fe	502	-	25,30,30	0.95	1 (4%)	30,47,47	1.08	2 (6%)
129	GDP	Y0	502	-	25,30,30	0.97	1 (4%)	30,47,47	1.08	2 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
129	GDP	Cm	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.11	3 (10%)
128	GTP	Z7	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.27	4 (11%)
128	GTP	P9	501	130	29,34,34	1.26	3 (10%)	35,54,54	1.28	4 (11%)
128	GTP	2K	501	130	29,34,34	1.23	2 (6%)	35,54,54	1.27	3 (8%)
129	GDP	Ew	502	-	25,30,30	0.96	1 (4%)	30,47,47	1.09	1 (3%)
129	GDP	1Q	502	-	25,30,30	0.99	1 (4%)	30,47,47	1.12	2 (6%)
129	GDP	Kh	501	-	25,30,30	0.98	1 (4%)	30,47,47	1.10	2 (6%)
128	GTP	EU	501	130	29,34,34	1.25	2 (6%)	35,54,54	1.29	4 (11%)
128	GTP	8L	501	130	29,34,34	1.25	3 (10%)	35,54,54	1.28	4 (11%)

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
129	GDP	T4	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Ij	501	-	-	2/12/32/32	0/3/3/3
129	GDP	3C	502	-	-	3/12/32/32	0/3/3/3
129	GDP	2G	502	-	-	1/12/32/32	0/3/3/3
129	GDP	B3	501	-	-	2/12/32/32	0/3/3/3
129	GDP	Jy	502	-	-	4/12/32/32	0/3/3/3
128	GTP	E8	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Ed	501	130	-	3/18/38/38	0/3/3/3
129	GDP	JJ	501	-	-	3/12/32/32	0/3/3/3
128	GTP	1G	501	130	-	6/18/38/38	0/3/3/3
129	GDP	O0	502	-	-	5/12/32/32	0/3/3/3
129	GDP	2C	502	-	-	3/12/32/32	0/3/3/3
128	GTP	C5	501	130	-	5/18/38/38	0/3/3/3
129	GDP	Fp	502	-	-	4/12/32/32	0/3/3/3
128	GTP	2A	501	130	-	9/18/38/38	0/3/3/3
129	GDP	W2	502	-	-	2/12/32/32	0/3/3/3
128	GTP	1A	501	130	-	6/18/38/38	0/3/3/3
128	GTP	3P	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Bz	501	130	-	9/18/38/38	0/3/3/3
128	GTP	DK	501	130	-	8/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	Cm	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Cg	501	130	-	7/18/38/38	0/3/3/3
129	GDP	El	502	-	-	1/12/32/32	0/3/3/3
128	GTP	L6	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Bh	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Fi	501	130	-	7/18/38/38	0/3/3/3
129	GDP	C4	501	-	-	1/12/32/32	0/3/3/3
128	GTP	Bb	501	130	-	5/18/38/38	0/3/3/3
128	GTP	KW	501	130	-	8/18/38/38	0/3/3/3
128	GTP	BG	501	130	-	4/18/38/38	0/3/3/3
129	GDP	Cg	502	-	-	2/12/32/32	0/3/3/3
128	GTP	2C	501	130	-	5/18/38/38	0/3/3/3
129	GDP	Dg	501	-	-	5/12/32/32	0/3/3/3
129	GDP	KJ	501	-	-	2/12/32/32	0/3/3/3
129	GDP	Bu	502	-	-	1/12/32/32	0/3/3/3
129	GDP	G2	501	-	-	4/12/32/32	0/3/3/3
128	GTP	FT	502	130	-	8/18/38/38	0/3/3/3
129	GDP	CK	502	-	-	6/12/32/32	0/3/3/3
128	GTP	FW	501	130	-	8/18/38/38	0/3/3/3
129	GDP	S6	501	-	-	2/12/32/32	0/3/3/3
129	GDP	Fc	502	-	-	3/12/32/32	0/3/3/3
129	GDP	GJ	501	-	-	1/12/32/32	0/3/3/3
129	GDP	L0	501	-	-	2/12/32/32	0/3/3/3
129	GDP	Mg	502	-	-	6/12/32/32	0/3/3/3
129	GDP	V4	501	-	-	3/12/32/32	0/3/3/3
128	GTP	1T	501	130	-	9/18/38/38	0/3/3/3
128	GTP	1D	501	130	-	4/18/38/38	0/3/3/3
128	GTP	IW	501	130	-	11/18/38/38	0/3/3/3
129	GDP	Iw	502	-	-	1/12/32/32	0/3/3/3
129	GDP	DI	501	-	-	1/12/32/32	0/3/3/3
129	GDP	D8	501	-	-	4/12/32/32	0/3/3/3
129	GDP	0K	502	-	-	1/12/32/32	0/3/3/3
128	GTP	0O	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Mv	501	-	-	5/12/32/32	0/3/3/3
128	GTP	Bi	501	130	-	9/18/38/38	0/3/3/3
129	GDP	E0	501	-	-	1/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	CG	501	130	-	9/18/38/38	0/3/3/3
129	GDP	E4	502	-	-	4/12/32/32	0/3/3/3
128	GTP	1L	501	130	-	7/18/38/38	0/3/3/3
128	GTP	3S	501	130	-	7/18/38/38	0/3/3/3
128	GTP	C4	502	130	-	4/18/38/38	0/3/3/3
129	GDP	D6	501	-	-	3/12/32/32	0/3/3/3
129	GDP	DR	502	-	-	1/12/32/32	0/3/3/3
128	GTP	FJ	501	130	-	5/18/38/38	0/3/3/3
128	GTP	A4	501	130	-	7/18/38/38	0/3/3/3
128	GTP	3M	501	130	-	6/18/38/38	0/3/3/3
128	GTP	0Q	502	130	-	6/18/38/38	0/3/3/3
129	GDP	EL	502	-	-	4/12/32/32	0/3/3/3
129	GDP	Ct	502	-	-	2/12/32/32	0/3/3/3
129	GDP	CT	501	-	-	3/12/32/32	0/3/3/3
129	GDP	R6	502	-	-	5/12/32/32	0/3/3/3
129	GDP	I4	503	-	-	2/12/32/32	0/3/3/3
129	GDP	Q0	501	-	-	1/12/32/32	0/3/3/3
128	GTP	T4	501	130	-	10/18/38/38	0/3/3/3
129	GDP	0M	502	-	-	4/12/32/32	0/3/3/3
128	GTP	2U	501	130	-	9/18/38/38	0/3/3/3
129	GDP	MI	501	-	-	1/12/32/32	0/3/3/3
129	GDP	U6	502	-	-	3/12/32/32	0/3/3/3
129	GDP	An	502	-	-	5/12/32/32	0/3/3/3
128	GTP	E1	501	130	-	4/18/38/38	0/3/3/3
128	GTP	AT	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Dt	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Di	501	130	-	6/18/38/38	0/3/3/3
128	GTP	EH	501	130	-	10/18/38/38	0/3/3/3
129	GDP	Kl	502	-	-	4/12/32/32	0/3/3/3
128	GTP	X0	501	130	-	4/18/38/38	0/3/3/3
129	GDP	0Q	503	-	-	4/12/32/32	0/3/3/3
129	GDP	Ce	501	-	-	2/12/32/32	0/3/3/3
128	GTP	EY	501	130	-	6/18/38/38	0/3/3/3
128	GTP	J6	501	130	-	8/18/38/38	0/3/3/3
128	GTP	CX	501	130	-	5/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
129	GDP	0U	501	-	-	5/12/32/32	0/3/3/3
128	GTP	LU	501	130	-	9/18/38/38	0/3/3/3
128	GTP	U2	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Mi	501	-	-	4/12/32/32	0/3/3/3
129	GDP	K0	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Z6	502	-	-	1/12/32/32	0/3/3/3
128	GTP	DG	501	130	-	5/18/38/38	0/3/3/3
128	GTP	Mt	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Ik	501	130	-	2/18/38/38	0/3/3/3
129	GDP	Cz	502	-	-	3/12/32/32	0/3/3/3
128	GTP	X4	501	130	-	5/18/38/38	0/3/3/3
129	GDP	0C	502	-	-	2/12/32/32	0/3/3/3
129	GDP	D0	501	-	-	3/12/32/32	0/3/3/3
129	GDP	FT	503	-	-	5/12/32/32	0/3/3/3
129	GDP	De	502	-	-	1/12/32/32	0/3/3/3
129	GDP	BK	501	-	-	2/12/32/32	0/3/3/3
129	GDP	N0	502	-	-	5/12/32/32	0/3/3/3
128	GTP	CZ	501	130	-	8/18/38/38	0/3/3/3
129	GDP	2K	502	-	-	3/12/32/32	0/3/3/3
129	GDP	F2	501	-	-	0/12/32/32	0/3/3/3
129	GDP	T8	502	-	-	1/12/32/32	0/3/3/3
128	GTP	EI	501	130	-	9/18/38/38	0/3/3/3
128	GTP	M6	501	130	-	6/18/38/38	0/3/3/3
129	GDP	Al	501	-	-	5/12/32/32	0/3/3/3
129	GDP	G6	501	-	-	5/12/32/32	0/3/3/3
128	GTP	BY	501	130	-	7/18/38/38	0/3/3/3
128	GTP	3C	501	130	-	8/18/38/38	0/3/3/3
129	GDP	1E	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Aw	501	-	-	2/12/32/32	0/3/3/3
129	GDP	CM	503	-	-	5/12/32/32	0/3/3/3
129	GDP	CG	502	-	-	1/12/32/32	0/3/3/3
129	GDP	K4	502	-	-	4/12/32/32	0/3/3/3
128	GTP	BW	501	130	-	7/18/38/38	0/3/3/3
129	GDP	X2	501	-	-	1/12/32/32	0/3/3/3
129	GDP	3G	502	-	-	4/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	IX	501	130	-	7/18/38/38	0/3/3/3
129	GDP	H4	501	-	-	6/12/32/32	0/3/3/3
129	GDP	H6	502	-	-	5/12/32/32	0/3/3/3
129	GDP	I2	501	-	-	2/12/32/32	0/3/3/3
128	GTP	W2	501	130	-	9/18/38/38	0/3/3/3
129	GDP	JL	501	-	-	4/12/32/32	0/3/3/3
128	GTP	1X	501	130	-	9/18/38/38	0/3/3/3
129	GDP	FP	501	-	-	3/12/32/32	0/3/3/3
128	GTP	Aj	501	130	-	7/18/38/38	0/3/3/3
128	GTP	FQ	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Ci	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Mu	501	130	-	7/18/38/38	0/3/3/3
129	GDP	FE	502	-	-	3/12/32/32	0/3/3/3
129	GDP	1O	501	-	-	1/12/32/32	0/3/3/3
129	GDP	MV	502	-	-	1/12/32/32	0/3/3/3
128	GTP	2G	501	130	-	7/18/38/38	0/3/3/3
129	GDP	MG	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Dw	501	130	-	10/18/38/38	0/3/3/3
129	GDP	L4	502	-	-	3/12/32/32	0/3/3/3
129	GDP	G0	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Ju	501	-	-	3/12/32/32	0/3/3/3
128	GTP	Bm	501	130	-	6/18/38/38	0/3/3/3
129	GDP	2S	502	-	-	3/12/32/32	0/3/3/3
128	GTP	O0	501	130	-	6/18/38/38	0/3/3/3
128	GTP	F3	501	130	-	4/18/38/38	0/3/3/3
128	GTP	F8	501	130	-	6/18/38/38	0/3/3/3
129	GDP	X6	502	-	-	0/12/32/32	0/3/3/3
129	GDP	P8	502	-	-	5/12/32/32	0/3/3/3
128	GTP	1W	501	130	-	5/18/38/38	0/3/3/3
128	GTP	D5	501	130	-	4/18/38/38	0/3/3/3
128	GTP	BU	501	130	-	6/18/38/38	0/3/3/3
128	GTP	S5	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Z8	501	-	-	1/12/32/32	0/3/3/3
129	GDP	2W	502	-	-	4/12/32/32	0/3/3/3
128	GTP	Ay	502	130	-	8/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	Iy	501	130	-	8/18/38/38	0/3/3/3
129	GDP	FI	502	-	-	6/12/32/32	0/3/3/3
128	GTP	C9	501	130	-	3/18/38/38	0/3/3/3
129	GDP	E6	502	-	-	1/12/32/32	0/3/3/3
129	GDP	IW	502	-	-	3/12/32/32	0/3/3/3
128	GTP	Bu	501	130	-	9/18/38/38	0/3/3/3
128	GTP	R4	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Fv	502	-	-	2/12/32/32	0/3/3/3
129	GDP	Dr	502	-	-	2/12/32/32	0/3/3/3
128	GTP	LH	501	-	-	8/18/38/38	0/3/3/3
128	GTP	Ni	501	130	-	4/18/38/38	0/3/3/3
129	GDP	Eq	502	-	-	1/12/32/32	0/3/3/3
129	GDP	R8	503	-	-	6/12/32/32	0/3/3/3
129	GDP	AJ	501	-	-	3/12/32/32	0/3/3/3
129	GDP	Dv	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Bn	501	-	-	2/12/32/32	0/3/3/3
129	GDP	O8	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Z2	502	-	-	1/12/32/32	0/3/3/3
128	GTP	G3	502	130	-	5/18/38/38	0/3/3/3
128	GTP	NH	501	130	-	6/18/38/38	0/3/3/3
129	GDP	A6	501	-	-	2/12/32/32	0/3/3/3
129	GDP	BI	501	-	-	4/12/32/32	0/3/3/3
129	GDP	JU	503	-	-	6/12/32/32	0/3/3/3
129	GDP	Fi	502	-	-	3/12/32/32	0/3/3/3
129	GDP	8N	501	-	-	5/12/32/32	0/3/3/3
128	GTP	I4	502	130	-	9/18/38/38	0/3/3/3
129	GDP	2M	501	-	-	4/12/32/32	0/3/3/3
128	GTP	JW	502	130	-	8/18/38/38	0/3/3/3
129	GDP	2I	502	-	-	2/12/32/32	0/3/3/3
128	GTP	Jl	502	130	-	6/18/38/38	0/3/3/3
128	GTP	NW	501	130	-	8/18/38/38	0/3/3/3
129	GDP	D4	501	-	-	4/12/32/32	0/3/3/3
128	GTP	Kv	501	130	-	7/18/38/38	0/3/3/3
128	GTP	FI	501	130	-	6/18/38/38	0/3/3/3
128	GTP	0C	501	130	-	6/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	Nh	501	130	-	8/18/38/38	0/3/3/3
129	GDP	C8	502	-	-	1/12/32/32	0/3/3/3
128	GTP	F5	501	130	-	7/18/38/38	0/3/3/3
129	GDP	CI	503	-	-	1/12/32/32	0/3/3/3
128	GTP	MH	501	130	-	6/18/38/38	0/3/3/3
128	GTP	3G	501	130	-	8/18/38/38	0/3/3/3
128	GTP	2Y	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Nj	501	-	-	1/12/32/32	0/3/3/3
128	GTP	CR	502	130	-	6/18/38/38	0/3/3/3
128	GTP	C0	501	130	-	8/18/38/38	0/3/3/3
128	GTP	EF	501	130	-	8/18/38/38	0/3/3/3
128	GTP	W4	501	130	-	7/18/38/38	0/3/3/3
128	GTP	F1	501	130	-	4/18/38/38	0/3/3/3
129	GDP	CX	502	-	-	4/12/32/32	0/3/3/3
129	GDP	N2	501	-	-	4/12/32/32	0/3/3/3
129	GDP	Y8	501	-	-	0/12/32/32	0/3/3/3
128	GTP	LX	501	130	-	7/18/38/38	0/3/3/3
129	GDP	0S	501	-	-	1/12/32/32	0/3/3/3
128	GTP	V2	501	130	-	7/18/38/38	0/3/3/3
129	GDP	DX	502	-	-	6/12/32/32	0/3/3/3
128	GTP	H6	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Jj	501	130	-	7/18/38/38	0/3/3/3
129	GDP	0O	502	-	-	1/12/32/32	0/3/3/3
129	GDP	ES	501	-	-	2/12/32/32	0/3/3/3
129	GDP	1M	501	-	-	4/12/32/32	0/3/3/3
128	GTP	Z0	501	130	-	3/18/38/38	0/3/3/3
128	GTP	S2	501	130	-	8/18/38/38	0/3/3/3
128	GTP	A9	501	130	-	4/18/38/38	0/3/3/3
128	GTP	Fe	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Bo	501	130	-	6/18/38/38	0/3/3/3
129	GDP	A3	501	-	-	5/12/32/32	0/3/3/3
128	GTP	NU	501	130	-	7/18/38/38	0/3/3/3
128	GTP	P4	501	130	-	7/18/38/38	0/3/3/3
129	GDP	EJ	501	-	-	3/12/32/32	0/3/3/3
128	GTP	X7	501	130	-	7/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
129	GDP	KW	502	-	-	1/12/32/32	0/3/3/3
128	GTP	NJ	501	130	-	5/18/38/38	0/3/3/3
128	GTP	M4	501	130	-	10/18/38/38	0/3/3/3
129	GDP	0I	503	-	-	5/12/32/32	0/3/3/3
128	GTP	EQ	501	130	-	5/18/38/38	0/3/3/3
128	GTP	DR	501	130	-	10/18/38/38	0/3/3/3
129	GDP	3S	502	-	-	1/12/32/32	0/3/3/3
128	GTP	IL	501	130	-	4/18/38/38	0/3/3/3
129	GDP	J6	502	-	-	2/12/32/32	0/3/3/3
128	GTP	H3	501	130	-	8/18/38/38	0/3/3/3
128	GTP	3K	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Dm	501	130	-	8/18/38/38	0/3/3/3
128	GTP	T2	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Fg	502	-	-	1/12/32/32	0/3/3/3
129	GDP	G8	501	-	-	4/12/32/32	0/3/3/3
129	GDP	A1	502	-	-	3/12/32/32	0/3/3/3
129	GDP	1G	502	-	-	5/12/32/32	0/3/3/3
128	GTP	Ii	501	130	-	3/18/38/38	0/3/3/3
129	GDP	2A	502	-	-	4/12/32/32	0/3/3/3
128	GTP	GF	501	130	-	9/18/38/38	0/3/3/3
128	GTP	1H	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Lh	501	-	-	6/18/38/38	0/3/3/3
129	GDP	H8	503	-	-	5/12/32/32	0/3/3/3
129	GDP	IM	501	-	-	1/12/32/32	0/3/3/3
128	GTP	R6	501	130	-	6/18/38/38	0/3/3/3
128	GTP	O2	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Jy	501	130	-	8/18/38/38	0/3/3/3
129	GDP	EW	501	-	-	1/12/32/32	0/3/3/3
128	GTP	0Y	501	130	-	7/18/38/38	0/3/3/3
129	GDP	3K	502	-	-	0/12/32/32	0/3/3/3
129	GDP	Lu	502	-	-	2/12/32/32	0/3/3/3
128	GTP	W0	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Bl	502	-	-	5/12/32/32	0/3/3/3
129	GDP	R4	502	-	-	3/12/32/32	0/3/3/3
129	GDP	0G	501	-	-	4/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
129	GDP	3A	502	-	-	1/12/32/32	0/3/3/3
129	GDP	3I	502	-	-	4/12/32/32	0/3/3/3
129	GDP	K6	502	-	-	4/12/32/32	0/3/3/3
128	GTP	Y6	501	130	-	9/18/38/38	0/3/3/3
129	GDP	LJ	502	-	-	4/12/32/32	0/3/3/3
129	GDP	3M	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Q6	502	-	-	6/12/32/32	0/3/3/3
128	GTP	J4	501	130	-	9/18/38/38	0/3/3/3
129	GDP	BG	502	-	-	1/12/32/32	0/3/3/3
129	GDP	BY	502	-	-	1/12/32/32	0/3/3/3
129	GDP	O4	503	-	-	0/12/32/32	0/3/3/3
128	GTP	8M	501	130	-	11/18/38/38	0/3/3/3
129	GDP	T0	501	-	-	4/12/32/32	0/3/3/3
129	GDP	F8	502	-	-	2/12/32/32	0/3/3/3
128	GTP	U6	501	130	-	7/18/38/38	0/3/3/3
129	GDP	BS	501	-	-	3/12/32/32	0/3/3/3
129	GDP	NH	502	-	-	3/12/32/32	0/3/3/3
128	GTP	Ew	501	130	-	9/18/38/38	0/3/3/3
129	GDP	IY	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Z3	501	130	-	4/18/38/38	0/3/3/3
128	GTP	Jh	501	130	-	6/18/38/38	0/3/3/3
129	GDP	Cx	502	-	-	1/12/32/32	0/3/3/3
128	GTP	DE	501	130	-	6/18/38/38	0/3/3/3
128	GTP	3O	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Ft	501	130	-	9/18/38/38	0/3/3/3
129	GDP	X0	502	-	-	2/12/32/32	0/3/3/3
128	GTP	Dz	501	130	-	6/18/38/38	0/3/3/3
128	GTP	D1	501	130	-	1/18/38/38	0/3/3/3
129	GDP	P6	503	-	-	0/12/32/32	0/3/3/3
129	GDP	NW	502	-	-	2/12/32/32	0/3/3/3
128	GTP	P6	501	130	-	6/18/38/38	0/3/3/3
128	GTP	A1	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Mh	501	130	-	5/18/38/38	0/3/3/3
128	GTP	2E	501	130	-	5/18/38/38	0/3/3/3
129	GDP	Es	502	-	-	1/12/32/32	0/3/3/3
128	GTP	CK	501	130	-	8/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	M0	501	130	-	4/18/38/38	0/3/3/3
128	GTP	R8	502	130	-	9/18/38/38	0/3/3/3
129	GDP	DE	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Fx	502	-	-	2/12/32/32	0/3/3/3
129	GDP	U2	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Du	501	130	-	9/18/38/38	0/3/3/3
128	GTP	1S	501	130	-	9/18/38/38	0/3/3/3
129	GDP	FC	501	-	-	4/12/32/32	0/3/3/3
129	GDP	H2	502	-	-	0/12/32/32	0/3/3/3
129	GDP	B5	502	-	-	2/12/32/32	0/3/3/3
128	GTP	KL	501	130	-	6/18/38/38	0/3/3/3
128	GTP	Q4	501	130	-	6/18/38/38	0/3/3/3
129	GDP	DG	502	-	-	6/12/32/32	0/3/3/3
129	GDP	Ck	501	-	-	2/12/32/32	0/3/3/3
129	GDP	JW	503	-	-	4/12/32/32	0/3/3/3
129	GDP	L2	502	-	-	3/12/32/32	0/3/3/3
129	GDP	1W	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Au	501	-	-	2/12/32/32	0/3/3/3
129	GDP	0A	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Cv	503	-	-	1/12/32/32	0/3/3/3
129	GDP	BW	502	-	-	1/12/32/32	0/3/3/3
129	GDP	CZ	502	-	-	4/12/32/32	0/3/3/3
129	GDP	DT	502	-	-	3/12/32/32	0/3/3/3
128	GTP	2Q	501	130	-	7/18/38/38	0/3/3/3
129	GDP	2U	502	-	-	3/12/32/32	0/3/3/3
129	GDP	Dk	502	-	-	6/12/32/32	0/3/3/3
129	GDP	Dt	502	-	-	3/12/32/32	0/3/3/3
129	GDP	EU	502	-	-	3/12/32/32	0/3/3/3
128	GTP	LJ	501	130	-	9/18/38/38	0/3/3/3
128	GTP	2I	501	130	-	8/18/38/38	0/3/3/3
129	GDP	GD	502	-	-	3/12/32/32	0/3/3/3
129	GDP	Jw	502	-	-	2/12/32/32	0/3/3/3
129	GDP	Ej	501	-	-	1/12/32/32	0/3/3/3
128	GTP	H2	501	130	-	7/18/38/38	0/3/3/3
129	GDP	FV	502	-	-	5/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	BB	501	130	-	7/18/38/38	0/3/3/3
128	GTP	D3	501	130	-	3/18/38/38	0/3/3/3
129	GDP	MT	502	-	-	2/12/32/32	0/3/3/3
128	GTP	K7	501	130	-	4/18/38/38	0/3/3/3
128	GTP	CU	501	130	-	5/18/38/38	0/3/3/3
129	GDP	CE	501	-	-	1/12/32/32	0/3/3/3
129	GDP	Fr	502	-	-	4/12/32/32	0/3/3/3
129	GDP	I0	502	-	-	4/12/32/32	0/3/3/3
128	GTP	MV	501	130	-	7/18/38/38	0/3/3/3
129	GDP	NU	502	-	-	2/12/32/32	0/3/3/3
128	GTP	BJ	501	130	-	4/18/38/38	0/3/3/3
128	GTP	KI	501	130	-	8/18/38/38	0/3/3/3
129	GDP	DK	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Kv	503	-	-	4/12/32/32	0/3/3/3
129	GDP	GF	502	-	-	1/12/32/32	0/3/3/3
128	GTP	EV	501	130	-	5/18/38/38	0/3/3/3
129	GDP	F0	502	-	-	1/12/32/32	0/3/3/3
128	GTP	JU	501	130	-	7/18/38/38	0/3/3/3
129	GDP	S0	502	-	-	1/12/32/32	0/3/3/3
129	GDP	V0	501	-	-	2/12/32/32	0/3/3/3
129	GDP	B8	501	-	-	2/12/32/32	0/3/3/3
129	GDP	1C	502	-	-	6/12/32/32	0/3/3/3
128	GTP	0I	502	130	-	8/18/38/38	0/3/3/3
129	GDP	Bh	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Kx	502	-	-	6/12/32/32	0/3/3/3
128	GTP	Y4	501	130	-	5/18/38/38	0/3/3/3
128	GTP	Es	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Ak	501	130	-	7/18/38/38	0/3/3/3
128	GTP	El	501	130	-	7/18/38/38	0/3/3/3
128	GTP	K0	501	130	-	7/18/38/38	0/3/3/3
128	GTP	H8	501	130	-	8/18/38/38	0/3/3/3
128	GTP	GB	501	130	-	9/18/38/38	0/3/3/3
129	GDP	EQ	502	-	-	0/12/32/32	0/3/3/3
129	GDP	BU	502	-	-	2/12/32/32	0/3/3/3
129	GDP	NS	502	-	-	4/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	B0	501	130	-	8/18/38/38	0/3/3/3
128	GTP	N1	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Y1	501	130	-	3/18/38/38	0/3/3/3
129	GDP	W4	502	-	-	2/12/32/32	0/3/3/3
128	GTP	JK	501	130	-	5/18/38/38	0/3/3/3
128	GTP	ER	501	130	-	8/18/38/38	0/3/3/3
128	GTP	B2	501	130	-	8/18/38/38	0/3/3/3
128	GTP	DX	501	130	-	9/18/38/38	0/3/3/3
128	GTP	IK	501	130	-	7/18/38/38	0/3/3/3
128	GTP	0A	501	130	-	7/18/38/38	0/3/3/3
129	GDP	1K	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Ci	502	-	-	4/12/32/32	0/3/3/3
129	GDP	KH	502	-	-	2/12/32/32	0/3/3/3
129	GDP	P4	503	-	-	1/12/32/32	0/3/3/3
128	GTP	Bw	501	130	-	9/18/38/38	0/3/3/3
128	GTP	N0	501	130	-	9/18/38/38	0/3/3/3
128	GTP	BL	501	130	-	3/18/38/38	0/3/3/3
128	GTP	T8	501	130	-	4/18/38/38	0/3/3/3
128	GTP	Lv	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Kj	503	-	-	4/12/32/32	0/3/3/3
129	GDP	X8	501	-	-	1/12/32/32	0/3/3/3
128	GTP	Eq	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Fr	501	130	-	8/18/38/38	0/3/3/3
129	GDP	G4	501	-	-	3/12/32/32	0/3/3/3
128	GTP	By	502	130	-	8/18/38/38	0/3/3/3
129	GDP	L6	502	-	-	3/12/32/32	0/3/3/3
129	GDP	LH	502	-	-	1/12/32/32	0/3/3/3
129	GDP	V8	502	-	-	4/12/32/32	0/3/3/3
129	GDP	LV	501	-	-	1/12/32/32	0/3/3/3
128	GTP	FG	501	130	-	10/18/38/38	0/3/3/3
128	GTP	1Q	501	130	-	9/18/38/38	0/3/3/3
128	GTP	An	501	130	-	9/18/38/38	0/3/3/3
128	GTP	DM	501	130	-	8/18/38/38	0/3/3/3
128	GTP	U4	501	130	-	10/18/38/38	0/3/3/3
129	GDP	A7	501	-	-	3/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	At	501	130	-	8/18/38/38	0/3/3/3
129	GDP	B6	501	-	-	5/12/32/32	0/3/3/3
128	GTP	Eh	501	130	-	8/18/38/38	0/3/3/3
129	GDP	I8	502	-	-	1/12/32/32	0/3/3/3
128	GTP	3A	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Bs	501	-	-	5/12/32/32	0/3/3/3
129	GDP	8J	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Ba	501	130	-	3/18/38/38	0/3/3/3
129	GDP	BO	501	-	-	4/12/32/32	0/3/3/3
128	GTP	Fg	501	130	-	7/18/38/38	0/3/3/3
129	GDP	8H	502	-	-	2/12/32/32	0/3/3/3
128	GTP	G1	501	130	-	7/18/38/38	0/3/3/3
129	GDP	NF	502	-	-	1/12/32/32	0/3/3/3
129	GDP	K8	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Ce	502	130	-	10/18/38/38	0/3/3/3
128	GTP	K9	501	130	-	9/18/38/38	0/3/3/3
128	GTP	X6	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Ei	501	130	-	6/18/38/38	0/3/3/3
128	GTP	V8	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Fk	502	-	-	3/12/32/32	0/3/3/3
128	GTP	O4	502	130	-	8/18/38/38	0/3/3/3
129	GDP	Nf	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Z0	502	-	-	0/12/32/32	0/3/3/3
129	GDP	S2	502	-	-	1/12/32/32	0/3/3/3
129	GDP	A9	502	-	-	4/12/32/32	0/3/3/3
128	GTP	Cv	502	130	-	6/18/38/38	0/3/3/3
128	GTP	Fx	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Y6	502	-	-	0/12/32/32	0/3/3/3
128	GTP	0V	501	130	-	7/18/38/38	0/3/3/3
128	GTP	K6	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Fl	501	130	-	6/18/38/38	0/3/3/3
129	GDP	DZ	502	-	-	3/12/32/32	0/3/3/3
128	GTP	2S	501	130	-	6/18/38/38	0/3/3/3
129	GDP	Jh	503	-	-	1/12/32/32	0/3/3/3
129	GDP	R0	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Nh	502	-	-	1/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	D7	501	130	-	3/18/38/38	0/3/3/3
128	GTP	R2	502	130	-	9/18/38/38	0/3/3/3
128	GTP	DT	501	130	-	9/18/38/38	0/3/3/3
129	GDP	ED	502	-	-	4/12/32/32	0/3/3/3
129	GDP	M4	502	-	-	2/12/32/32	0/3/3/3
129	GDP	U8	502	-	-	4/12/32/32	0/3/3/3
128	GTP	GH	501	130	-	9/18/38/38	0/3/3/3
129	GDP	X4	502	-	-	0/12/32/32	0/3/3/3
128	GTP	Fp	501	130	-	8/18/38/38	0/3/3/3
128	GTP	I1	501	130	-	9/18/38/38	0/3/3/3
129	GDP	C0	502	-	-	1/12/32/32	0/3/3/3
128	GTP	V3	501	130	-	8/18/38/38	0/3/3/3
129	GDP	M2	502	-	-	3/12/32/32	0/3/3/3
129	GDP	EH	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Li	501	130	-	9/18/38/38	0/3/3/3
129	GDP	E2	501	-	-	2/12/32/32	0/3/3/3
129	GDP	V2	502	-	-	3/12/32/32	0/3/3/3
128	GTP	NF	501	-	-	6/18/38/38	0/3/3/3
128	GTP	Eu	501	130	-	8/18/38/38	0/3/3/3
128	GTP	N6	501	130	-	9/18/38/38	0/3/3/3
128	GTP	2W	501	130	-	8/18/38/38	0/3/3/3
129	GDP	M6	502	-	-	3/12/32/32	0/3/3/3
128	GTP	Cr	502	130	-	5/18/38/38	0/3/3/3
129	GDP	1U	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Ay	503	-	-	3/12/32/32	0/3/3/3
129	GDP	DV	502	-	-	4/12/32/32	0/3/3/3
128	GTP	W5	501	130	-	8/18/38/38	0/3/3/3
129	GDP	0Y	502	-	-	5/12/32/32	0/3/3/3
128	GTP	Z6	501	130	-	5/18/38/38	0/3/3/3
128	GTP	KY	501	130	-	6/18/38/38	0/3/3/3
129	GDP	Mt	502	-	-	6/12/32/32	0/3/3/3
128	GTP	DH	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Lw	501	-	-	1/12/32/32	0/3/3/3
129	GDP	J4	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Ag	501	130	-	10/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	Bf	502	130	-	8/18/38/38	0/3/3/3
128	GTP	Dk	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Jw	501	130	-	5/18/38/38	0/3/3/3
128	GTP	Kj	502	130	-	7/18/38/38	0/3/3/3
129	GDP	Aj	502	-	-	1/12/32/32	0/3/3/3
128	GTP	G7	501	130	-	8/18/38/38	0/3/3/3
129	GDP	O6	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Z4	501	-	-	1/12/32/32	0/3/3/3
128	GTP	8H	501	130	-	9/18/38/38	0/3/3/3
128	GTP	GI	501	130	-	9/18/38/38	0/3/3/3
128	GTP	U7	501	130	-	10/18/38/38	0/3/3/3
128	GTP	W8	501	130	-	7/18/38/38	0/3/3/3
129	GDP	O2	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Ft	502	-	-	4/12/32/32	0/3/3/3
129	GDP	KU	502	-	-	1/12/32/32	0/3/3/3
129	GDP	LT	501	-	-	4/12/32/32	0/3/3/3
128	GTP	J0	501	130	-	8/18/38/38	0/3/3/3
129	GDP	0W	501	-	-	5/12/32/32	0/3/3/3
129	GDP	J2	502	-	-	1/12/32/32	0/3/3/3
129	GDP	DM	502	-	-	4/12/32/32	0/3/3/3
128	GTP	I0	501	130	-	8/18/38/38	0/3/3/3
128	GTP	O6	501	130	-	5/18/38/38	0/3/3/3
129	GDP	S4	501	-	-	1/12/32/32	0/3/3/3
129	GDP	F6	501	-	-	3/12/32/32	0/3/3/3
129	GDP	BM	501	-	-	5/12/32/32	0/3/3/3
128	GTP	E0	502	130	-	6/18/38/38	0/3/3/3
128	GTP	L2	501	130	-	7/18/38/38	0/3/3/3
129	GDP	S8	502	-	-	1/12/32/32	0/3/3/3
129	GDP	1S	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Q2	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Q4	502	-	-	5/12/32/32	0/3/3/3
129	GDP	CV	501	-	-	4/12/32/32	0/3/3/3
128	GTP	B7	501	130	-	4/18/38/38	0/3/3/3
129	GDP	Bw	503	-	-	6/12/32/32	0/3/3/3
129	GDP	J0	502	-	-	3/12/32/32	0/3/3/3
129	GDP	C2	501	-	-	2/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
129	GDP	2Q	502	-	-	2/12/32/32	0/3/3/3
128	GTP	A2	501	130	-	4/18/38/38	0/3/3/3
128	GTP	Lu	501	-	-	8/18/38/38	0/3/3/3
129	GDP	BB	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Az	501	130	-	7/18/38/38	0/3/3/3
128	GTP	0K	501	130	-	3/18/38/38	0/3/3/3
128	GTP	1N	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Y4	502	-	-	1/12/32/32	0/3/3/3
128	GTP	S9	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Bj	501	-	-	5/12/32/32	0/3/3/3
128	GTP	0R	502	130	-	8/18/38/38	0/3/3/3
128	GTP	CS	501	130	-	4/18/38/38	0/3/3/3
129	GDP	W6	501	-	-	2/12/32/32	0/3/3/3
128	GTP	T6	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Dm	502	-	-	1/12/32/32	0/3/3/3
128	GTP	J2	501	130	-	8/18/38/38	0/3/3/3
128	GTP	S8	501	130	-	7/18/38/38	0/3/3/3
129	GDP	2E	502	-	-	3/12/32/32	0/3/3/3
128	GTP	EL	501	130	-	7/18/38/38	0/3/3/3
128	GTP	JX	501	130	-	9/18/38/38	0/3/3/3
129	GDP	By	503	-	-	4/12/32/32	0/3/3/3
129	GDP	M8	501	-	-	2/12/32/32	0/3/3/3
128	GTP	2L	501	130	-	7/18/38/38	0/3/3/3
129	GDP	M0	502	-	-	1/12/32/32	0/3/3/3
128	GTP	J8	502	130	-	9/18/38/38	0/3/3/3
128	GTP	0M	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Nf	501	-	-	7/18/38/38	0/3/3/3
128	GTP	R0	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Jj	502	-	-	3/12/32/32	0/3/3/3
129	GDP	Lj	501	-	-	6/12/32/32	0/3/3/3
129	GDP	N8	502	-	-	1/12/32/32	0/3/3/3
128	GTP	Kx	501	130	-	8/18/38/38	0/3/3/3
128	GTP	M7	501	130	-	9/18/38/38	0/3/3/3
129	GDP	V6	501	-	-	5/12/32/32	0/3/3/3
128	GTP	E4	501	130	-	6/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	CI	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Y0	501	130	-	9/18/38/38	0/3/3/3
128	GTP	B5	501	130	-	6/18/38/38	0/3/3/3
129	GDP	J8	503	-	-	3/12/32/32	0/3/3/3
128	GTP	Fc	501	130	-	7/18/38/38	0/3/3/3
129	GDP	FR	501	-	-	1/12/32/32	0/3/3/3
128	GTP	KU	501	-	-	6/18/38/38	0/3/3/3
128	GTP	8I	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Ed	502	-	-	1/12/32/32	0/3/3/3
129	GDP	IK	502	-	-	3/12/32/32	0/3/3/3
129	GDP	A5	501	-	-	2/12/32/32	0/3/3/3
129	GDP	Eu	502	-	-	2/12/32/32	0/3/3/3
128	GTP	Bl	501	130	-	6/18/38/38	0/3/3/3
129	GDP	W0	502	-	-	2/12/32/32	0/3/3/3
129	GDP	2Y	502	-	-	1/12/32/32	0/3/3/3
129	GDP	EF	502	-	-	4/12/32/32	0/3/3/3
128	GTP	De	501	130	-	7/18/38/38	0/3/3/3
128	GTP	DZ	501	130	-	9/18/38/38	0/3/3/3
129	GDP	LX	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Di	502	-	-	1/12/32/32	0/3/3/3
128	GTP	DV	501	130	-	6/18/38/38	0/3/3/3
129	GDP	T2	502	-	-	1/12/32/32	0/3/3/3
128	GTP	BN	501	130	-	5/18/38/38	0/3/3/3
128	GTP	1C	501	130	-	6/18/38/38	0/3/3/3
129	GDP	8L	502	-	-	2/12/32/32	0/3/3/3
128	GTP	M2	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Il	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Ee	501	130	-	6/18/38/38	0/3/3/3
128	GTP	K4	501	130	-	5/18/38/38	0/3/3/3
128	GTP	MT	501	130	-	4/18/38/38	0/3/3/3
129	GDP	0E	501	-	-	3/12/32/32	0/3/3/3
128	GTP	I8	501	130	-	7/18/38/38	0/3/3/3
129	GDP	U4	502	-	-	3/12/32/32	0/3/3/3
129	GDP	Ef	501	-	-	1/12/32/32	0/3/3/3
129	GDP	Eh	502	-	-	1/12/32/32	0/3/3/3
128	GTP	FV	501	130	-	8/18/38/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	E6	501	130	-	6/18/38/38	0/3/3/3
129	GDP	T6	502	-	-	1/12/32/32	0/3/3/3
128	GTP	JI	502	130	-	6/18/38/38	0/3/3/3
128	GTP	I5	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Ap	501	-	-	5/12/32/32	0/3/3/3
129	GDP	B1	501	-	-	2/12/32/32	0/3/3/3
129	GDP	GB	502	-	-	4/12/32/32	0/3/3/3
128	GTP	Dr	501	130	-	10/18/38/38	0/3/3/3
128	GTP	F0	501	130	-	5/18/38/38	0/3/3/3
128	GTP	3I	501	130	-	6/18/38/38	0/3/3/3
128	GTP	Ao	501	130	-	4/18/38/38	0/3/3/3
128	GTP	Df	501	130	-	9/18/38/38	0/3/3/3
129	GDP	FG	502	-	-	5/12/32/32	0/3/3/3
129	GDP	W8	502	-	-	4/12/32/32	0/3/3/3
128	GTP	FE	501	130	-	7/18/38/38	0/3/3/3
129	GDP	R2	503	-	-	1/12/32/32	0/3/3/3
128	GTP	Mg	501	130	-	7/18/38/38	0/3/3/3
129	GDP	Cr	501	-	-	1/12/32/32	0/3/3/3
129	GDP	C6	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Z2	501	130	-	7/18/38/38	0/3/3/3
129	GDP	EY	502	-	-	2/12/32/32	0/3/3/3
129	GDP	KL	502	-	-	4/12/32/32	0/3/3/3
128	GTP	MG	501	130	-	7/18/38/38	0/3/3/3
128	GTP	L4	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Q6	501	130	-	8/18/38/38	0/3/3/3
128	GTP	G0	501	130	-	6/18/38/38	0/3/3/3
129	GDP	N6	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Dz	502	-	-	2/12/32/32	0/3/3/3
129	GDP	JY	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Bf	501	-	-	5/12/32/32	0/3/3/3
128	GTP	BH	501	130	-	5/18/38/38	0/3/3/3
128	GTP	Fk	501	130	-	5/18/38/38	0/3/3/3
128	GTP	P8	501	130	-	8/18/38/38	0/3/3/3
128	GTP	KH	501	-	-	5/18/38/38	0/3/3/3
129	GDP	CR	501	-	-	3/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	U9	501	130	-	9/18/38/38	0/3/3/3
128	GTP	Cx	501	130	-	6/18/38/38	0/3/3/3
128	GTP	CM	502	130	-	9/18/38/38	0/3/3/3
128	GTP	GD	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Lh	502	-	-	1/12/32/32	0/3/3/3
129	GDP	3Q	501	-	-	1/12/32/32	0/3/3/3
128	GTP	0F	501	130	-	8/18/38/38	0/3/3/3
128	GTP	C8	501	130	-	3/18/38/38	0/3/3/3
129	GDP	KY	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Ah	501	-	-	2/12/32/32	0/3/3/3
128	GTP	Cz	501	130	-	6/18/38/38	0/3/3/3
129	GDP	Y2	501	-	-	1/12/32/32	0/3/3/3
129	GDP	Iy	502	-	-	0/12/32/32	0/3/3/3
128	GTP	Q2	501	130	-	8/18/38/38	0/3/3/3
129	GDP	FX	501	-	-	7/12/32/32	0/3/3/3
128	GTP	Av	501	130	-	8/18/38/38	0/3/3/3
128	GTP	N8	501	130	-	6/18/38/38	0/3/3/3
128	GTP	Iw	501	130	-	5/18/38/38	0/3/3/3
128	GTP	Fv	501	130	-	8/18/38/38	0/3/3/3
129	GDP	Ba	502	-	-	1/12/32/32	0/3/3/3
129	GDP	D2	501	-	-	2/12/32/32	0/3/3/3
128	GTP	G5	501	130	-	4/18/38/38	0/3/3/3
128	GTP	ED	501	130	-	8/18/38/38	0/3/3/3
128	GTP	Kl	501	130	-	7/18/38/38	0/3/3/3
129	GDP	1A	502	-	-	5/12/32/32	0/3/3/3
128	GTP	NS	501	-	-	6/18/38/38	0/3/3/3
128	GTP	C1	501	130	-	7/18/38/38	0/3/3/3
128	GTP	Ct	501	130	-	6/18/38/38	0/3/3/3
128	GTP	O8	501	130	-	6/18/38/38	0/3/3/3
129	GDP	GH	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Jl	503	-	-	5/12/32/32	0/3/3/3
129	GDP	Dx	501	-	-	2/12/32/32	0/3/3/3
128	GTP	S0	501	130	-	9/18/38/38	0/3/3/3
129	GDP	FK	501	-	-	5/12/32/32	0/3/3/3
129	GDP	Q8	501	-	-	1/12/32/32	0/3/3/3
129	GDP	NJ	502	-	-	2/12/32/32	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
128	GTP	CE	502	130	-	8/18/38/38	0/3/3/3
128	GTP	Cj	501	130	-	9/18/38/38	0/3/3/3
129	GDP	3O	502	-	-	1/12/32/32	0/3/3/3
129	GDP	E8	502	-	-	0/12/32/32	0/3/3/3
129	GDP	Fe	502	-	-	4/12/32/32	0/3/3/3
129	GDP	Y0	502	-	-	1/12/32/32	0/3/3/3
129	GDP	Cm	502	-	-	3/12/32/32	0/3/3/3
128	GTP	Z7	501	130	-	3/18/38/38	0/3/3/3
128	GTP	P9	501	130	-	9/18/38/38	0/3/3/3
128	GTP	2K	501	130	-	9/18/38/38	0/3/3/3
129	GDP	Ew	502	-	-	2/12/32/32	0/3/3/3
129	GDP	1Q	502	-	-	5/12/32/32	0/3/3/3
129	GDP	Kh	501	-	-	1/12/32/32	0/3/3/3
128	GTP	EU	501	130	-	6/18/38/38	0/3/3/3
128	GTP	8L	501	130	-	7/18/38/38	0/3/3/3

All (1122) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	NH	501	GTP	PA-O3A	10.50	1.70	1.59
128	NH	501	GTP	PB-O3A	9.75	1.70	1.59
128	E8	501	GTP	C5-C6	-4.62	1.38	1.47
128	Ak	501	GTP	C5-C6	-4.44	1.38	1.47
128	DM	501	GTP	C5-C6	-4.41	1.38	1.47
128	DZ	501	GTP	C5-C6	-4.41	1.38	1.47
128	R8	502	GTP	C5-C6	-4.39	1.38	1.47
128	DX	501	GTP	C5-C6	-4.37	1.38	1.47
128	Ay	502	GTP	C5-C6	-4.37	1.38	1.47
128	Az	501	GTP	C5-C6	-4.37	1.38	1.47
128	Cm	501	GTP	C5-C6	-4.37	1.38	1.47
128	Q6	501	GTP	C5-C6	-4.35	1.38	1.47
128	S0	501	GTP	C5-C6	-4.34	1.38	1.47
128	Bl	501	GTP	C5-C6	-4.34	1.38	1.47
128	At	501	GTP	C5-C6	-4.34	1.38	1.47
128	DR	501	GTP	C5-C6	-4.33	1.38	1.47
128	Dk	501	GTP	C5-C6	-4.32	1.38	1.47
128	Bz	501	GTP	C5-C6	-4.32	1.38	1.47
128	An	501	GTP	C5-C6	-4.31	1.38	1.47
128	CX	501	GTP	C5-C6	-4.31	1.38	1.47
128	Cg	501	GTP	C5-C6	-4.31	1.38	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	N0	501	GTP	C5-C6	-4.31	1.38	1.47
128	Bm	501	GTP	C5-C6	-4.30	1.38	1.47
128	Bi	501	GTP	C5-C6	-4.30	1.38	1.47
128	DV	501	GTP	C5-C6	-4.30	1.38	1.47
128	Ao	501	GTP	C5-C6	-4.30	1.38	1.47
128	Es	501	GTP	C5-C6	-4.30	1.38	1.47
128	By	502	GTP	C5-C6	-4.29	1.39	1.47
128	GD	501	GTP	C5-C6	-4.29	1.39	1.47
128	CU	501	GTP	C5-C6	-4.29	1.39	1.47
128	Bh	501	GTP	C5-C6	-4.28	1.39	1.47
128	CZ	501	GTP	C5-C6	-4.28	1.39	1.47
128	Bu	501	GTP	C5-C6	-4.28	1.39	1.47
128	De	501	GTP	C5-C6	-4.28	1.39	1.47
128	Fr	501	GTP	C5-C6	-4.28	1.39	1.47
128	Dm	501	GTP	C5-C6	-4.28	1.39	1.47
128	A2	501	GTP	C5-C6	-4.27	1.39	1.47
128	I1	501	GTP	C5-C6	-4.27	1.39	1.47
128	CS	501	GTP	C5-C6	-4.27	1.39	1.47
128	EU	501	GTP	C5-C6	-4.27	1.39	1.47
128	S2	501	GTP	C5-C6	-4.27	1.39	1.47
128	Aj	501	GTP	C5-C6	-4.27	1.39	1.47
128	T4	501	GTP	C5-C6	-4.27	1.39	1.47
128	Bw	501	GTP	C5-C6	-4.26	1.39	1.47
128	C1	501	GTP	C5-C6	-4.26	1.39	1.47
128	D7	501	GTP	C5-C6	-4.26	1.39	1.47
128	CI	501	GTP	C5-C6	-4.26	1.39	1.47
128	Cj	501	GTP	C5-C6	-4.26	1.39	1.47
128	DK	501	GTP	C5-C6	-4.26	1.39	1.47
128	Q4	501	GTP	C5-C6	-4.26	1.39	1.47
128	T8	501	GTP	C5-C6	-4.26	1.39	1.47
128	Bo	501	GTP	C5-C6	-4.26	1.39	1.47
128	GI	501	GTP	C5-C6	-4.26	1.39	1.47
128	CM	502	GTP	C5-C6	-4.26	1.39	1.47
128	Ft	501	GTP	C5-C6	-4.26	1.39	1.47
128	K0	501	GTP	C5-C6	-4.26	1.39	1.47
128	C0	501	GTP	C5-C6	-4.25	1.39	1.47
128	A1	501	GTP	C5-C6	-4.25	1.39	1.47
128	Av	501	GTP	C5-C6	-4.25	1.39	1.47
128	BY	501	GTP	C5-C6	-4.25	1.39	1.47
128	CG	501	GTP	C5-C6	-4.25	1.39	1.47
128	DT	501	GTP	C5-C6	-4.25	1.39	1.47
128	I5	501	GTP	C5-C6	-4.25	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	0Q	502	GTP	C5-C6	-4.25	1.39	1.47
128	Fl	501	GTP	C5-C6	-4.25	1.39	1.47
128	J8	502	GTP	C5-C6	-4.25	1.39	1.47
128	Dw	501	GTP	C5-C6	-4.24	1.39	1.47
128	BB	501	GTP	C5-C6	-4.24	1.39	1.47
128	Cz	501	GTP	C5-C6	-4.24	1.39	1.47
128	Dz	501	GTP	C5-C6	-4.24	1.39	1.47
128	Ew	501	GTP	C5-C6	-4.24	1.39	1.47
128	U2	501	GTP	C5-C6	-4.24	1.39	1.47
128	0A	501	GTP	C5-C6	-4.24	1.39	1.47
128	DH	501	GTP	C5-C6	-4.24	1.39	1.47
128	Dt	501	GTP	C5-C6	-4.24	1.39	1.47
128	Ag	501	GTP	C5-C6	-4.24	1.39	1.47
128	Du	501	GTP	C5-C6	-4.24	1.39	1.47
128	FJ	501	GTP	C5-C6	-4.24	1.39	1.47
128	1D	501	GTP	C5-C6	-4.24	1.39	1.47
128	N1	501	GTP	C5-C6	-4.23	1.39	1.47
128	FI	501	GTP	C5-C6	-4.23	1.39	1.47
128	3O	501	GTP	C5-C6	-4.23	1.39	1.47
128	T6	501	GTP	C5-C6	-4.23	1.39	1.47
128	Fp	501	GTP	C5-C6	-4.23	1.39	1.47
128	V2	501	GTP	C5-C6	-4.23	1.39	1.47
128	GB	501	GTP	C5-C6	-4.23	1.39	1.47
128	ED	501	GTP	C5-C6	-4.23	1.39	1.47
128	I4	502	GTP	C5-C6	-4.23	1.39	1.47
128	3C	501	GTP	C5-C6	-4.22	1.39	1.47
128	3S	501	GTP	C5-C6	-4.22	1.39	1.47
128	1W	501	GTP	C5-C6	-4.22	1.39	1.47
128	Ce	502	GTP	C5-C6	-4.22	1.39	1.47
128	GH	501	GTP	C5-C6	-4.22	1.39	1.47
128	DE	501	GTP	C5-C6	-4.22	1.39	1.47
128	FQ	501	GTP	C5-C6	-4.22	1.39	1.47
128	EI	501	GTP	C5-C6	-4.22	1.39	1.47
128	1T	501	GTP	C5-C6	-4.22	1.39	1.47
128	8L	501	GTP	C5-C6	-4.22	1.39	1.47
128	Cr	502	GTP	C5-C6	-4.22	1.39	1.47
128	Ci	501	GTP	C5-C6	-4.21	1.39	1.47
128	X0	501	GTP	C5-C6	-4.21	1.39	1.47
128	CK	501	GTP	C5-C6	-4.21	1.39	1.47
128	I8	501	GTP	C5-C6	-4.21	1.39	1.47
128	2L	501	GTP	C5-C6	-4.21	1.39	1.47
128	Ct	501	GTP	C5-C6	-4.21	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	Ee	501	GTP	C5-C6	-4.21	1.39	1.47
128	FG	501	GTP	C5-C6	-4.21	1.39	1.47
128	DG	501	GTP	C5-C6	-4.21	1.39	1.47
128	G7	501	GTP	C5-C6	-4.21	1.39	1.47
128	G5	501	GTP	C5-C6	-4.21	1.39	1.47
128	CR	502	GTP	C5-C6	-4.20	1.39	1.47
128	3A	501	GTP	C5-C6	-4.20	1.39	1.47
128	Eq	501	GTP	C5-C6	-4.20	1.39	1.47
128	L4	501	GTP	C5-C6	-4.20	1.39	1.47
128	B0	501	GTP	C5-C6	-4.20	1.39	1.47
128	W5	501	GTP	C5-C6	-4.20	1.39	1.47
128	FV	501	GTP	C5-C6	-4.20	1.39	1.47
128	GF	501	GTP	C5-C6	-4.20	1.39	1.47
128	Bf	502	GTP	C5-C6	-4.19	1.39	1.47
128	H2	501	GTP	C5-C6	-4.19	1.39	1.47
128	El	501	GTP	C5-C6	-4.19	1.39	1.47
128	FT	502	GTP	C5-C6	-4.19	1.39	1.47
128	K4	501	GTP	C5-C6	-4.19	1.39	1.47
128	A4	501	GTP	C5-C6	-4.19	1.39	1.47
128	0R	502	GTP	C5-C6	-4.19	1.39	1.47
128	1L	501	GTP	C5-C6	-4.19	1.39	1.47
128	Df	501	GTP	C5-C6	-4.18	1.39	1.47
128	EH	501	GTP	C5-C6	-4.18	1.39	1.47
128	KL	501	GTP	C5-C6	-4.18	1.39	1.47
128	Fv	501	GTP	C5-C6	-4.18	1.39	1.47
128	BG	501	GTP	C5-C6	-4.18	1.39	1.47
128	L2	501	GTP	C5-C6	-4.18	1.39	1.47
128	1G	501	GTP	C5-C6	-4.18	1.39	1.47
128	F0	501	GTP	C5-C6	-4.18	1.39	1.47
128	3P	501	GTP	C5-C6	-4.18	1.39	1.47
128	Cv	502	GTP	C5-C6	-4.18	1.39	1.47
128	F3	501	GTP	C5-C6	-4.18	1.39	1.47
128	Fx	501	GTP	C5-C6	-4.17	1.39	1.47
128	Dr	501	GTP	C5-C6	-4.17	1.39	1.47
128	M6	501	GTP	C5-C6	-4.17	1.39	1.47
128	V3	501	GTP	C5-C6	-4.17	1.39	1.47
128	Ed	501	GTP	C5-C6	-4.17	1.39	1.47
128	Fg	501	GTP	C5-C6	-4.17	1.39	1.47
128	CE	502	GTP	C5-C6	-4.17	1.39	1.47
128	IX	501	GTP	C5-C6	-4.17	1.39	1.47
128	EQ	501	GTP	C5-C6	-4.17	1.39	1.47
128	1H	501	GTP	C5-C6	-4.17	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	Nh	501	GTP	C5-C6	-4.17	1.39	1.47
128	F8	501	GTP	C5-C6	-4.17	1.39	1.47
128	F1	501	GTP	C5-C6	-4.16	1.39	1.47
128	B5	501	GTP	C5-C6	-4.16	1.39	1.47
128	ER	501	GTP	C5-C6	-4.16	1.39	1.47
128	BJ	501	GTP	C5-C6	-4.16	1.39	1.47
128	D5	501	GTP	C5-C6	-4.16	1.39	1.47
128	I0	501	GTP	C5-C6	-4.16	1.39	1.47
128	Fk	501	GTP	C5-C6	-4.16	1.39	1.47
128	NS	501	GTP	C5-C6	-4.16	1.39	1.47
128	B7	501	GTP	C5-C6	-4.16	1.39	1.47
128	FE	501	GTP	C5-C6	-4.16	1.39	1.47
128	Ik	501	GTP	C5-C6	-4.16	1.39	1.47
128	J2	501	GTP	C5-C6	-4.16	1.39	1.47
128	2E	501	GTP	C5-C6	-4.16	1.39	1.47
128	O6	501	GTP	C5-C6	-4.16	1.39	1.47
128	Fc	501	GTP	C5-C6	-4.16	1.39	1.47
128	S8	501	GTP	C5-C6	-4.16	1.39	1.47
128	BW	501	GTP	C5-C6	-4.16	1.39	1.47
128	EL	501	GTP	C5-C6	-4.16	1.39	1.47
128	8H	501	GTP	C5-C6	-4.15	1.39	1.47
128	Cx	501	GTP	C5-C6	-4.15	1.39	1.47
128	Di	501	GTP	C5-C6	-4.15	1.39	1.47
128	Ei	501	GTP	C5-C6	-4.15	1.39	1.47
128	D3	501	GTP	C5-C6	-4.15	1.39	1.47
128	G0	501	GTP	C5-C6	-4.15	1.39	1.47
128	LH	501	GTP	C5-C6	-4.15	1.39	1.47
128	Y4	501	GTP	C5-C6	-4.15	1.39	1.47
128	0K	501	GTP	C5-C6	-4.15	1.39	1.47
128	FW	501	GTP	C5-C6	-4.15	1.39	1.47
128	K7	501	GTP	C5-C6	-4.15	1.39	1.47
128	IW	501	GTP	C5-C6	-4.15	1.39	1.47
128	BN	501	GTP	C5-C6	-4.15	1.39	1.47
128	N8	501	GTP	C5-C6	-4.15	1.39	1.47
128	Fi	501	GTP	C5-C6	-4.15	1.39	1.47
128	KI	501	GTP	C5-C6	-4.15	1.39	1.47
128	LX	501	GTP	C5-C6	-4.14	1.39	1.47
128	Jw	501	GTP	C5-C6	-4.14	1.39	1.47
128	Jl	502	GTP	C5-C6	-4.14	1.39	1.47
128	Li	501	GTP	C5-C6	-4.14	1.39	1.47
128	2G	501	GTP	C5-C6	-4.14	1.39	1.47
128	Eh	501	GTP	C5-C6	-4.14	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	Ba	501	GTP	C5-C6	-4.14	1.39	1.47
128	J6	501	GTP	C5-C6	-4.14	1.39	1.47
128	W4	501	GTP	C5-C6	-4.14	1.39	1.47
128	EF	501	GTP	C5-C6	-4.14	1.39	1.47
128	IK	501	GTP	C5-C6	-4.14	1.39	1.47
128	Mh	501	GTP	C5-C6	-4.14	1.39	1.47
128	Y6	501	GTP	C5-C6	-4.14	1.39	1.47
128	EY	501	GTP	C5-C6	-4.13	1.39	1.47
128	IL	501	GTP	C5-C6	-4.13	1.39	1.47
128	Jj	501	GTP	C5-C6	-4.13	1.39	1.47
128	U4	501	GTP	C5-C6	-4.13	1.39	1.47
128	Nf	501	GTP	C5-C6	-4.13	1.39	1.47
128	W8	501	GTP	C5-C6	-4.13	1.39	1.47
128	JK	501	GTP	C5-C6	-4.13	1.39	1.47
128	Z2	501	GTP	C5-C6	-4.13	1.39	1.47
128	T2	501	GTP	C5-C6	-4.13	1.39	1.47
128	L6	501	GTP	C5-C6	-4.13	1.39	1.47
128	Lu	501	GTP	C5-C6	-4.13	1.39	1.47
128	Jy	501	GTP	C5-C6	-4.12	1.39	1.47
128	R0	501	GTP	C5-C6	-4.12	1.39	1.47
128	1S	501	GTP	C5-C6	-4.12	1.39	1.47
128	1X	501	GTP	C5-C6	-4.12	1.39	1.47
128	KW	501	GTP	C5-C6	-4.12	1.39	1.47
128	U7	501	GTP	C5-C6	-4.12	1.39	1.47
128	W0	501	GTP	C5-C6	-4.12	1.39	1.47
128	H3	501	GTP	C5-C6	-4.12	1.39	1.47
128	A9	501	GTP	C5-C6	-4.12	1.39	1.47
128	NJ	501	GTP	C5-C6	-4.12	1.39	1.47
128	0O	501	GTP	C5-C6	-4.12	1.39	1.47
128	Lv	501	GTP	C5-C6	-4.12	1.39	1.47
128	R6	501	GTP	C5-C6	-4.12	1.39	1.47
128	B2	501	GTP	C5-C6	-4.12	1.39	1.47
128	P6	501	GTP	C5-C6	-4.12	1.39	1.47
128	P8	501	GTP	C5-C6	-4.12	1.39	1.47
128	Ni	501	GTP	C5-C6	-4.12	1.39	1.47
128	G1	501	GTP	C5-C6	-4.12	1.39	1.47
128	Kx	501	GTP	C5-C6	-4.12	1.39	1.47
128	MG	501	GTP	C5-C6	-4.12	1.39	1.47
128	O2	501	GTP	C5-C6	-4.12	1.39	1.47
128	Mg	501	GTP	C5-C6	-4.12	1.39	1.47
128	M0	501	GTP	C5-C6	-4.12	1.39	1.47
128	Y0	501	GTP	C5-C6	-4.11	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	R2	502	GTP	C5-C6	-4.11	1.39	1.47
128	Z7	501	GTP	C5-C6	-4.11	1.39	1.47
128	M2	501	GTP	C5-C6	-4.11	1.39	1.47
128	Y1	501	GTP	C5-C6	-4.11	1.39	1.47
128	W2	501	GTP	C5-C6	-4.11	1.39	1.47
128	BL	501	GTP	C5-C6	-4.11	1.39	1.47
128	0Y	501	GTP	C5-C6	-4.11	1.39	1.47
128	C8	501	GTP	C5-C6	-4.11	1.39	1.47
128	2Y	501	GTP	C5-C6	-4.11	1.39	1.47
128	2S	501	GTP	C5-C6	-4.11	1.39	1.47
128	C5	501	GTP	C5-C6	-4.11	1.39	1.47
128	E0	502	GTP	C5-C6	-4.11	1.39	1.47
128	Bb	501	GTP	C5-C6	-4.11	1.39	1.47
128	M7	501	GTP	C5-C6	-4.11	1.39	1.47
128	O4	502	GTP	C5-C6	-4.11	1.39	1.47
128	Eu	501	GTP	C5-C6	-4.11	1.39	1.47
128	Iw	501	GTP	C5-C6	-4.11	1.39	1.47
128	NU	501	GTP	C5-C6	-4.11	1.39	1.47
128	0M	501	GTP	C5-C6	-4.11	1.39	1.47
128	2Q	501	GTP	C5-C6	-4.11	1.39	1.47
128	X4	501	GTP	C5-C6	-4.11	1.39	1.47
128	1Q	501	GTP	C5-C6	-4.10	1.39	1.47
128	Kj	502	GTP	C5-C6	-4.10	1.39	1.47
128	E4	501	GTP	C5-C6	-4.10	1.39	1.47
128	2K	501	GTP	C5-C6	-4.10	1.39	1.47
128	BU	501	GTP	C5-C6	-4.10	1.39	1.47
128	P4	501	GTP	C5-C6	-4.10	1.39	1.47
128	AT	501	GTP	C5-C6	-4.10	1.39	1.47
128	Z6	501	GTP	C5-C6	-4.10	1.39	1.47
128	P9	501	GTP	C5-C6	-4.10	1.39	1.47
128	V8	501	GTP	C5-C6	-4.10	1.39	1.47
128	8M	501	GTP	C5-C6	-4.10	1.39	1.47
128	R4	501	GTP	C5-C6	-4.10	1.39	1.47
128	H6	501	GTP	C5-C6	-4.10	1.39	1.47
128	Jh	501	GTP	C5-C6	-4.10	1.39	1.47
128	N6	501	GTP	C5-C6	-4.10	1.39	1.47
128	K9	501	GTP	C5-C6	-4.10	1.39	1.47
128	NF	501	GTP	C5-C6	-4.10	1.39	1.47
128	2W	501	GTP	C5-C6	-4.10	1.39	1.47
128	Fe	501	GTP	C5-C6	-4.10	1.39	1.47
128	JW	502	GTP	C5-C6	-4.10	1.39	1.47
128	K6	501	GTP	C5-C6	-4.10	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	MH	501	GTP	C5-C6	-4.10	1.39	1.47
128	O8	501	GTP	C5-C6	-4.10	1.39	1.47
128	3G	501	GTP	C5-C6	-4.10	1.39	1.47
128	C4	502	GTP	C5-C6	-4.10	1.39	1.47
128	F5	501	GTP	C5-C6	-4.10	1.39	1.47
128	E1	501	GTP	C5-C6	-4.09	1.39	1.47
128	MV	501	GTP	C5-C6	-4.09	1.39	1.47
128	0V	501	GTP	C5-C6	-4.09	1.39	1.47
128	Q2	501	GTP	C5-C6	-4.09	1.39	1.47
128	U6	501	GTP	C5-C6	-4.09	1.39	1.47
128	LJ	501	GTP	C5-C6	-4.09	1.39	1.47
128	KH	501	GTP	C5-C6	-4.09	1.39	1.47
128	X6	501	GTP	C5-C6	-4.09	1.39	1.47
128	0I	502	GTP	C5-C6	-4.09	1.39	1.47
128	J0	501	GTP	C5-C6	-4.09	1.39	1.47
128	2A	501	GTP	C5-C6	-4.09	1.39	1.47
128	JU	501	GTP	C5-C6	-4.09	1.39	1.47
128	Kl	501	GTP	C5-C6	-4.09	1.39	1.47
128	D1	501	GTP	C5-C6	-4.09	1.39	1.47
128	S5	501	GTP	C5-C6	-4.09	1.39	1.47
128	H8	501	GTP	C5-C6	-4.08	1.39	1.47
128	2U	501	GTP	C5-C6	-4.08	1.39	1.47
128	MT	501	GTP	C5-C6	-4.08	1.39	1.47
128	3I	501	GTP	C5-C6	-4.08	1.39	1.47
128	Ii	501	GTP	C5-C6	-4.08	1.39	1.47
128	3K	501	GTP	C5-C6	-4.08	1.39	1.47
128	KU	501	GTP	C5-C6	-4.08	1.39	1.47
128	0F	501	GTP	C5-C6	-4.08	1.39	1.47
128	U9	501	GTP	C5-C6	-4.08	1.39	1.47
128	2I	501	GTP	C5-C6	-4.08	1.39	1.47
128	3M	501	GTP	C5-C6	-4.08	1.39	1.47
128	LU	501	GTP	C5-C6	-4.08	1.39	1.47
128	Z0	501	GTP	C5-C6	-4.08	1.39	1.47
128	JI	502	GTP	C5-C6	-4.07	1.39	1.47
128	Mu	501	GTP	C5-C6	-4.07	1.39	1.47
128	NW	501	GTP	C5-C6	-4.07	1.39	1.47
128	1N	501	GTP	C5-C6	-4.07	1.39	1.47
128	8I	501	GTP	C5-C6	-4.07	1.39	1.47
128	Lh	501	GTP	C5-C6	-4.07	1.39	1.47
128	M4	501	GTP	C5-C6	-4.07	1.39	1.47
128	O0	501	GTP	C5-C6	-4.07	1.39	1.47
128	J4	501	GTP	C5-C6	-4.07	1.39	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	1A	501	GTP	C5-C6	-4.06	1.39	1.47
128	BH	501	GTP	C5-C6	-4.06	1.39	1.47
128	Mt	501	GTP	C5-C6	-4.06	1.39	1.47
128	0C	501	GTP	C5-C6	-4.06	1.39	1.47
128	1C	501	GTP	C5-C6	-4.06	1.39	1.47
128	EV	501	GTP	C5-C6	-4.06	1.39	1.47
128	S9	501	GTP	C5-C6	-4.06	1.39	1.47
128	JX	501	GTP	C5-C6	-4.06	1.39	1.47
128	Kv	501	GTP	C5-C6	-4.06	1.39	1.47
128	C9	501	GTP	C5-C6	-4.06	1.39	1.47
128	Iy	501	GTP	C5-C6	-4.05	1.39	1.47
128	KY	501	GTP	C5-C6	-4.04	1.39	1.47
128	E6	501	GTP	C5-C6	-4.04	1.39	1.47
128	2C	501	GTP	C5-C6	-4.04	1.39	1.47
128	X7	501	GTP	C5-C6	-4.02	1.39	1.47
128	Z3	501	GTP	C5-C6	-4.02	1.39	1.47
128	NH	501	GTP	C5-C6	-3.94	1.39	1.47
128	G3	502	GTP	C5-C6	-3.84	1.39	1.47
128	Eu	501	GTP	PB-O3B	2.95	1.62	1.59
128	X4	501	GTP	PB-O3B	2.76	1.62	1.59
128	E8	501	GTP	C2-N3	2.72	1.39	1.33
128	G3	502	GTP	C2-N3	2.67	1.39	1.33
129	0G	501	GDP	PA-O3A	2.59	1.62	1.59
129	R8	503	GDP	C6-N1	-2.52	1.33	1.37
129	Bj	501	GDP	C6-N1	-2.51	1.34	1.37
129	Cz	502	GDP	C6-N1	-2.50	1.34	1.37
129	DX	502	GDP	C6-N1	-2.50	1.34	1.37
129	CR	501	GDP	C6-N1	-2.48	1.34	1.37
129	H2	502	GDP	C6-N1	-2.47	1.34	1.37
129	Bh	502	GDP	C6-N1	-2.46	1.34	1.37
128	2C	501	GTP	PB-O3A	2.46	1.62	1.59
129	D8	501	GDP	C6-N1	-2.46	1.34	1.37
129	DT	502	GDP	C6-N1	-2.46	1.34	1.37
129	DE	502	GDP	C6-N1	-2.45	1.34	1.37
129	DK	502	GDP	C6-N1	-2.45	1.34	1.37
129	FR	501	GDP	C6-N1	-2.45	1.34	1.37
129	1U	501	GDP	C6-N1	-2.45	1.34	1.37
129	Ft	502	GDP	C6-N1	-2.45	1.34	1.37
129	W6	501	GDP	C6-N1	-2.45	1.34	1.37
129	Cm	502	GDP	C6-N1	-2.45	1.34	1.37
129	CM	503	GDP	C6-N1	-2.44	1.34	1.37
129	Bl	502	GDP	C6-N1	-2.44	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	3Q	501	GDP	C6-N1	-2.44	1.34	1.37
129	DR	502	GDP	C6-N1	-2.44	1.34	1.37
129	DZ	502	GDP	C6-N1	-2.43	1.34	1.37
129	FG	502	GDP	C6-N1	-2.43	1.34	1.37
129	BW	502	GDP	C6-N1	-2.43	1.34	1.37
129	DG	502	GDP	C6-N1	-2.42	1.34	1.37
129	Cx	502	GDP	C6-N1	-2.42	1.34	1.37
129	L4	502	GDP	C6-N1	-2.42	1.34	1.37
129	Ci	502	GDP	C6-N1	-2.42	1.34	1.37
129	Eq	502	GDP	C6-N1	-2.42	1.34	1.37
129	EJ	501	GDP	C6-N1	-2.42	1.34	1.37
129	Dx	501	GDP	C6-N1	-2.41	1.34	1.37
129	CG	502	GDP	C6-N1	-2.41	1.34	1.37
129	Ba	502	GDP	C6-N1	-2.41	1.34	1.37
129	CX	502	GDP	C6-N1	-2.41	1.34	1.37
129	3O	502	GDP	C6-N1	-2.41	1.34	1.37
129	Cg	502	GDP	C6-N1	-2.41	1.34	1.37
129	DV	502	GDP	C6-N1	-2.41	1.34	1.37
129	EH	502	GDP	C6-N1	-2.41	1.34	1.37
129	FI	502	GDP	C6-N1	-2.41	1.34	1.37
129	H6	502	GDP	C6-N1	-2.41	1.34	1.37
129	A6	501	GDP	C6-N1	-2.40	1.34	1.37
129	Al	501	GDP	C6-N1	-2.40	1.34	1.37
129	S0	502	GDP	C6-N1	-2.40	1.34	1.37
129	CE	501	GDP	C6-N1	-2.40	1.34	1.37
129	CK	502	GDP	C6-N1	-2.40	1.34	1.37
129	Dk	502	GDP	C6-N1	-2.40	1.34	1.37
129	EL	502	GDP	C6-N1	-2.40	1.34	1.37
129	Fk	502	GDP	C6-N1	-2.40	1.34	1.37
129	Ap	501	GDP	C6-N1	-2.40	1.34	1.37
129	BY	502	GDP	C6-N1	-2.40	1.34	1.37
129	Bw	503	GDP	C6-N1	-2.40	1.34	1.37
129	C2	501	GDP	C6-N1	-2.40	1.34	1.37
129	3A	502	GDP	C6-N1	-2.40	1.34	1.37
129	GD	502	GDP	C6-N1	-2.40	1.34	1.37
129	Q4	502	GDP	C6-N1	-2.40	1.34	1.37
129	B6	501	GDP	C6-N1	-2.40	1.34	1.37
129	S2	502	GDP	C6-N1	-2.40	1.34	1.37
129	Dg	501	GDP	C6-N1	-2.40	1.34	1.37
129	A5	501	GDP	C6-N1	-2.39	1.34	1.37
129	CI	503	GDP	C6-N1	-2.39	1.34	1.37
129	2M	501	GDP	C6-N1	-2.39	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	M8	501	GDP	C6-N1	-2.39	1.34	1.37
129	CZ	502	GDP	C6-N1	-2.39	1.34	1.37
129	GB	502	GDP	C6-N1	-2.39	1.34	1.37
129	FE	502	GDP	C6-N1	-2.39	1.34	1.37
129	L2	502	GDP	C6-N1	-2.39	1.34	1.37
129	An	502	GDP	C6-N1	-2.39	1.34	1.37
129	T6	502	GDP	C6-N1	-2.39	1.34	1.37
129	BM	501	GDP	C6-N1	-2.39	1.34	1.37
129	J8	503	GDP	C6-N1	-2.39	1.34	1.37
129	Aw	501	GDP	C6-N1	-2.39	1.34	1.37
129	A3	501	GDP	C6-N1	-2.39	1.34	1.37
129	1G	502	GDP	C6-N1	-2.38	1.34	1.37
129	N0	502	GDP	C6-N1	-2.38	1.34	1.37
129	EF	502	GDP	C6-N1	-2.38	1.34	1.37
129	V2	502	GDP	C6-N1	-2.38	1.34	1.37
129	FC	501	GDP	C6-N1	-2.38	1.34	1.37
129	Q6	502	GDP	C6-N1	-2.38	1.34	1.37
129	BS	501	GDP	C6-N1	-2.38	1.34	1.37
129	Y4	502	GDP	C6-N1	-2.38	1.34	1.37
129	D6	501	GDP	C6-N1	-2.38	1.34	1.37
129	Dm	502	GDP	C6-N1	-2.38	1.34	1.37
129	Ef	501	GDP	C6-N1	-2.38	1.34	1.37
129	FK	501	GDP	C6-N1	-2.38	1.34	1.37
129	Ck	501	GDP	C6-N1	-2.38	1.34	1.37
129	Ah	501	GDP	C6-N1	-2.38	1.34	1.37
129	FV	502	GDP	C6-N1	-2.38	1.34	1.37
129	0Q	503	GDP	C6-N1	-2.38	1.34	1.37
129	3S	502	GDP	C6-N1	-2.38	1.34	1.37
129	1W	502	GDP	C6-N1	-2.37	1.34	1.37
129	BI	501	GDP	C6-N1	-2.37	1.34	1.37
129	I2	501	GDP	C6-N1	-2.37	1.34	1.37
129	CT	501	GDP	C6-N1	-2.37	1.34	1.37
129	Fv	502	GDP	C6-N1	-2.37	1.34	1.37
129	Fp	502	GDP	C6-N1	-2.37	1.34	1.37
129	Fx	502	GDP	C6-N1	-2.37	1.34	1.37
129	Ew	502	GDP	C6-N1	-2.37	1.34	1.37
129	Fc	502	GDP	C6-N1	-2.37	1.34	1.37
129	K0	502	GDP	C6-N1	-2.37	1.34	1.37
129	BU	502	GDP	C6-N1	-2.37	1.34	1.37
129	Ce	501	GDP	C6-N1	-2.37	1.34	1.37
129	DM	502	GDP	C6-N1	-2.37	1.34	1.37
129	Fg	502	GDP	C6-N1	-2.37	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	BB	502	GDP	C6-N1	-2.37	1.34	1.37
129	Eu	502	GDP	C6-N1	-2.37	1.34	1.37
129	Bf	501	GDP	C6-N1	-2.37	1.34	1.37
129	Jj	502	GDP	C6-N1	-2.36	1.34	1.37
129	KU	502	GDP	C6-N1	-2.36	1.34	1.37
129	G8	501	GDP	C6-N1	-2.36	1.34	1.37
129	Au	501	GDP	C6-N1	-2.36	1.34	1.37
129	Bu	502	GDP	C6-N1	-2.36	1.34	1.37
129	L6	502	GDP	C6-N1	-2.36	1.34	1.37
128	Z0	501	GTP	PB-O3B	2.36	1.62	1.59
129	FT	503	GDP	C6-N1	-2.36	1.34	1.37
129	CV	501	GDP	C6-N1	-2.36	1.34	1.37
129	T4	502	GDP	C6-N1	-2.36	1.34	1.37
129	Dz	502	GDP	C6-N1	-2.35	1.34	1.37
129	Fe	502	GDP	C6-N1	-2.35	1.34	1.37
129	T8	502	GDP	C6-N1	-2.35	1.34	1.37
129	IY	501	GDP	C6-N1	-2.35	1.34	1.37
129	KW	502	GDP	C6-N1	-2.35	1.34	1.37
129	O8	502	GDP	C6-N1	-2.35	1.34	1.37
129	V4	501	GDP	C6-N1	-2.35	1.34	1.37
129	Ct	502	GDP	C6-N1	-2.35	1.34	1.37
129	X0	502	GDP	C6-N1	-2.35	1.34	1.37
129	Bn	501	GDP	C6-N1	-2.35	1.34	1.37
129	1E	501	GDP	C6-N1	-2.35	1.34	1.37
129	Dr	502	GDP	C6-N1	-2.35	1.34	1.37
129	By	503	GDP	C6-N1	-2.35	1.34	1.37
129	Dt	502	GDP	C6-N1	-2.35	1.34	1.37
129	0S	501	GDP	C6-N1	-2.34	1.34	1.37
129	C0	502	GDP	C6-N1	-2.34	1.34	1.37
129	EW	501	GDP	C6-N1	-2.34	1.34	1.37
129	Es	502	GDP	C6-N1	-2.34	1.34	1.37
129	GJ	501	GDP	C6-N1	-2.34	1.34	1.37
129	ED	502	GDP	C6-N1	-2.34	1.34	1.37
129	I4	503	GDP	C6-N1	-2.34	1.34	1.37
129	Ay	503	GDP	C6-N1	-2.34	1.34	1.37
129	N6	502	GDP	C6-N1	-2.34	1.34	1.37
129	Dv	501	GDP	C6-N1	-2.34	1.34	1.37
129	3I	502	GDP	C6-N1	-2.34	1.34	1.37
129	2W	502	GDP	C6-N1	-2.34	1.34	1.37
129	Fi	502	GDP	C6-N1	-2.34	1.34	1.37
129	G6	501	GDP	C6-N1	-2.34	1.34	1.37
129	2K	502	GDP	C6-N1	-2.34	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	N2	501	GDP	C6-N1	-2.34	1.34	1.37
129	EU	502	GDP	C6-N1	-2.34	1.34	1.37
129	0Y	502	GDP	C6-N1	-2.34	1.34	1.37
129	P4	503	GDP	C6-N1	-2.33	1.34	1.37
129	FP	501	GDP	C6-N1	-2.33	1.34	1.37
129	3C	502	GDP	C6-N1	-2.33	1.34	1.37
129	F2	501	GDP	C6-N1	-2.33	1.34	1.37
129	Cv	503	GDP	C6-N1	-2.33	1.34	1.37
129	H4	501	GDP	C6-N1	-2.33	1.34	1.37
129	GH	502	GDP	C6-N1	-2.33	1.34	1.37
129	JY	501	GDP	C6-N1	-2.33	1.34	1.37
129	V0	501	GDP	C6-N1	-2.33	1.34	1.37
129	E6	502	GDP	C6-N1	-2.33	1.34	1.37
129	M4	502	GDP	C6-N1	-2.33	1.34	1.37
129	C6	501	GDP	C6-N1	-2.33	1.34	1.37
129	S8	502	GDP	C6-N1	-2.32	1.34	1.37
129	N8	502	GDP	C6-N1	-2.32	1.34	1.37
129	Q8	501	GDP	C6-N1	-2.32	1.34	1.37
129	E8	502	GDP	C6-N1	-2.32	1.34	1.37
129	Jw	502	GDP	C6-N1	-2.32	1.34	1.37
129	LJ	502	GDP	C6-N1	-2.32	1.34	1.37
129	O0	502	GDP	C6-N1	-2.32	1.34	1.37
129	O6	502	GDP	C6-N1	-2.32	1.34	1.37
129	0W	501	GDP	C6-N1	-2.32	1.34	1.37
129	BK	501	GDP	C6-N1	-2.32	1.34	1.37
129	H8	503	GDP	C6-N1	-2.32	1.34	1.37
129	F8	502	GDP	C6-N1	-2.32	1.34	1.37
129	ES	501	GDP	C6-N1	-2.32	1.34	1.37
129	Bs	501	GDP	C6-N1	-2.32	1.34	1.37
129	F0	502	GDP	C6-N1	-2.32	1.34	1.37
129	Di	502	GDP	C6-N1	-2.32	1.34	1.37
129	G4	501	GDP	C6-N1	-2.31	1.34	1.37
129	BO	501	GDP	C6-N1	-2.31	1.34	1.37
129	2Q	502	GDP	C6-N1	-2.31	1.34	1.37
129	B1	501	GDP	C6-N1	-2.31	1.34	1.37
129	B5	502	GDP	C6-N1	-2.31	1.34	1.37
129	1K	501	GDP	C6-N1	-2.31	1.34	1.37
129	8N	501	GDP	C6-N1	-2.31	1.34	1.37
129	De	502	GDP	C6-N1	-2.31	1.34	1.37
129	J4	502	GDP	C6-N1	-2.31	1.34	1.37
129	Aj	502	GDP	C6-N1	-2.31	1.34	1.37
129	A1	502	GDP	C6-N1	-2.31	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	Iy	502	GDP	C6-N1	-2.31	1.34	1.37
129	JJ	501	GDP	C6-N1	-2.30	1.34	1.37
129	K6	502	GDP	C6-N1	-2.30	1.34	1.37
129	Z0	502	GDP	C6-N1	-2.30	1.34	1.37
129	B3	501	GDP	C6-N1	-2.30	1.34	1.37
129	NH	502	GDP	C6-N1	-2.30	1.34	1.37
129	Mg	502	GDP	C6-N1	-2.30	1.34	1.37
129	F6	501	GDP	C6-N1	-2.30	1.34	1.37
129	1C	502	GDP	C6-N1	-2.30	1.34	1.37
129	BG	502	GDP	C6-N1	-2.30	1.34	1.37
129	0A	502	GDP	C6-N1	-2.30	1.34	1.37
129	Cr	501	GDP	C6-N1	-2.30	1.34	1.37
129	Lj	501	GDP	C6-N1	-2.30	1.34	1.37
129	NJ	502	GDP	C6-N1	-2.30	1.34	1.37
129	Y0	502	GDP	C6-N1	-2.30	1.34	1.37
129	DI	501	GDP	C6-N1	-2.30	1.34	1.37
129	GF	502	GDP	C6-N1	-2.30	1.34	1.37
129	NF	502	GDP	C6-N1	-2.30	1.34	1.37
129	W8	502	GDP	C6-N1	-2.30	1.34	1.37
129	2Y	502	GDP	C6-N1	-2.30	1.34	1.37
129	S4	501	GDP	C6-N1	-2.30	1.34	1.37
129	U6	502	GDP	C6-N1	-2.30	1.34	1.37
129	C8	502	GDP	C6-N1	-2.30	1.34	1.37
129	Kl	502	GDP	C6-N1	-2.30	1.34	1.37
129	0U	501	GDP	C6-N1	-2.29	1.34	1.37
129	G0	502	GDP	C6-N1	-2.29	1.34	1.37
129	KY	502	GDP	C6-N1	-2.29	1.34	1.37
129	Kh	501	GDP	C6-N1	-2.29	1.34	1.37
129	MT	502	GDP	C6-N1	-2.29	1.34	1.37
129	B8	501	GDP	C6-N1	-2.29	1.34	1.37
129	M0	502	GDP	C6-N1	-2.29	1.34	1.37
129	Jh	503	GDP	C6-N1	-2.29	1.34	1.37
129	LX	502	GDP	C6-N1	-2.29	1.34	1.37
129	S6	501	GDP	C6-N1	-2.29	1.34	1.37
129	0I	503	GDP	C6-N1	-2.29	1.34	1.37
129	Jl	503	GDP	C6-N1	-2.29	1.34	1.37
129	1A	502	GDP	C6-N1	-2.29	1.34	1.37
129	Eh	502	GDP	C6-N1	-2.29	1.34	1.37
129	Z4	501	GDP	C6-N1	-2.29	1.34	1.37
129	0M	502	GDP	C6-N1	-2.29	1.34	1.37
129	J0	502	GDP	C6-N1	-2.29	1.34	1.37
129	K8	501	GDP	C6-N1	-2.29	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	Kj	503	GDP	C6-N1	-2.29	1.34	1.37
129	Mi	501	GDP	C6-N1	-2.29	1.34	1.37
129	NS	502	GDP	C6-N1	-2.29	1.34	1.37
129	W4	502	GDP	C6-N1	-2.29	1.34	1.37
129	Mv	501	GDP	C6-N1	-2.29	1.34	1.37
129	Fr	502	GDP	C6-N1	-2.29	1.34	1.37
129	IM	501	GDP	C6-N1	-2.29	1.34	1.37
129	JU	503	GDP	C6-N1	-2.29	1.34	1.37
129	T2	502	GDP	C6-N1	-2.29	1.34	1.37
129	1O	501	GDP	C6-N1	-2.29	1.34	1.37
129	U8	502	GDP	C6-N1	-2.28	1.34	1.37
129	W2	502	GDP	C6-N1	-2.28	1.34	1.37
129	Y6	502	GDP	C6-N1	-2.28	1.34	1.37
129	L0	501	GDP	C6-N1	-2.28	1.34	1.37
129	0C	502	GDP	C6-N1	-2.28	1.34	1.37
129	2E	502	GDP	C6-N1	-2.28	1.34	1.37
129	Iw	502	GDP	C6-N1	-2.28	1.34	1.37
129	Z6	502	GDP	C6-N1	-2.28	1.34	1.37
128	Z6	501	GTP	PB-O3B	2.28	1.62	1.59
129	1S	502	GDP	C6-N1	-2.28	1.34	1.37
129	3G	502	GDP	C6-N1	-2.28	1.34	1.37
129	Kv	503	GDP	C6-N1	-2.28	1.34	1.37
129	E4	502	GDP	C6-N1	-2.28	1.34	1.37
129	LV	501	GDP	C6-N1	-2.28	1.34	1.37
128	O2	501	GTP	PB-O3B	2.28	1.62	1.59
129	G2	501	GDP	C6-N1	-2.28	1.34	1.37
129	Lu	502	GDP	C6-N1	-2.28	1.34	1.37
129	I8	502	GDP	C6-N1	-2.28	1.34	1.37
129	0K	502	GDP	C6-N1	-2.28	1.34	1.37
129	R6	502	GDP	C6-N1	-2.28	1.34	1.37
129	U4	502	GDP	C6-N1	-2.28	1.34	1.37
129	X2	501	GDP	C6-N1	-2.28	1.34	1.37
129	Jy	502	GDP	C6-N1	-2.28	1.34	1.37
128	2G	501	GTP	PB-O3B	2.28	1.62	1.59
129	Y2	501	GDP	C6-N1	-2.28	1.34	1.37
129	FX	501	GDP	C6-N1	-2.27	1.34	1.37
129	Lh	502	GDP	C6-N1	-2.27	1.34	1.37
129	Il	501	GDP	C6-N1	-2.27	1.34	1.37
129	2G	502	GDP	C6-N1	-2.27	1.34	1.37
129	E2	501	GDP	C6-N1	-2.27	1.34	1.37
129	AJ	501	GDP	C6-N1	-2.27	1.34	1.37
128	Iw	501	GTP	PB-O3B	2.27	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	NW	502	GDP	C6-N1	-2.27	1.34	1.37
129	A9	502	GDP	C6-N1	-2.27	1.34	1.37
129	2A	502	GDP	C6-N1	-2.27	1.34	1.37
129	LT	501	GDP	C6-N1	-2.27	1.34	1.37
129	MV	502	GDP	C6-N1	-2.27	1.34	1.37
129	D4	501	GDP	C6-N1	-2.27	1.34	1.37
129	Q0	501	GDP	C6-N1	-2.27	1.34	1.37
129	A7	501	GDP	C6-N1	-2.27	1.34	1.37
129	1M	501	GDP	C6-N1	-2.27	1.34	1.37
129	X8	501	GDP	C6-N1	-2.27	1.34	1.37
129	3K	502	GDP	C6-N1	-2.27	1.34	1.37
129	El	502	GDP	C6-N1	-2.27	1.34	1.37
129	Q2	502	GDP	C6-N1	-2.26	1.34	1.37
129	T0	501	GDP	C6-N1	-2.26	1.34	1.37
128	Mg	501	GTP	PB-O3B	2.26	1.61	1.59
129	R4	502	GDP	C6-N1	-2.26	1.34	1.37
129	U2	502	GDP	C6-N1	-2.26	1.34	1.37
129	D0	501	GDP	C6-N1	-2.26	1.34	1.37
129	V8	502	GDP	C6-N1	-2.26	1.34	1.37
129	P6	503	GDP	C6-N1	-2.26	1.34	1.37
129	E0	501	GDP	C6-N1	-2.26	1.34	1.37
129	NU	502	GDP	C6-N1	-2.26	1.34	1.37
129	Nh	502	GDP	C6-N1	-2.26	1.34	1.37
129	0O	502	GDP	C6-N1	-2.26	1.34	1.37
129	3M	502	GDP	C6-N1	-2.26	1.34	1.37
129	Mt	502	GDP	C6-N1	-2.26	1.34	1.37
129	Z8	501	GDP	C6-N1	-2.26	1.34	1.37
129	J6	502	GDP	C6-N1	-2.26	1.34	1.37
129	Ej	501	GDP	C6-N1	-2.26	1.34	1.37
129	2S	502	GDP	C6-N1	-2.26	1.34	1.37
129	Kx	502	GDP	C6-N1	-2.26	1.34	1.37
129	M6	502	GDP	C6-N1	-2.26	1.34	1.37
129	1Q	502	GDP	C6-N1	-2.25	1.34	1.37
129	K4	502	GDP	C6-N1	-2.25	1.34	1.37
129	X6	502	GDP	C6-N1	-2.25	1.34	1.37
128	EY	501	GTP	PB-O3B	2.25	1.61	1.59
128	Jw	501	GTP	PB-O3B	2.25	1.61	1.59
129	P8	502	GDP	C6-N1	-2.25	1.34	1.37
129	Ij	501	GDP	C6-N1	-2.25	1.34	1.37
129	O2	502	GDP	C6-N1	-2.25	1.34	1.37
129	Y8	501	GDP	C6-N1	-2.25	1.34	1.37
128	KY	501	GTP	PB-O3B	2.25	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
129	8J	501	GDP	C6-N1	-2.25	1.34	1.37
129	Lw	501	GDP	C6-N1	-2.25	1.34	1.37
129	Nf	502	GDP	C6-N1	-2.25	1.34	1.37
128	Y0	501	GTP	C2-N3	2.25	1.38	1.33
129	8L	502	GDP	C6-N1	-2.25	1.34	1.37
129	MI	501	GDP	C6-N1	-2.25	1.34	1.37
129	M2	502	GDP	C6-N1	-2.25	1.34	1.37
128	Iw	501	GTP	C2-N3	2.25	1.38	1.33
128	NH	501	GTP	C2-N3	2.25	1.38	1.33
129	D2	501	GDP	C6-N1	-2.25	1.34	1.37
129	R0	502	GDP	C6-N1	-2.25	1.34	1.37
128	MT	501	GTP	PB-O3B	2.25	1.61	1.59
129	I0	502	GDP	C6-N1	-2.25	1.34	1.37
129	Z2	502	GDP	C6-N1	-2.25	1.34	1.37
128	S9	501	GTP	C2-N3	2.25	1.38	1.33
129	EY	502	GDP	C6-N1	-2.25	1.34	1.37
129	KH	502	GDP	C6-N1	-2.25	1.34	1.37
129	2I	502	GDP	C6-N1	-2.24	1.34	1.37
129	C4	501	GDP	C6-N1	-2.24	1.34	1.37
128	S5	501	GTP	C2-N3	2.24	1.38	1.33
129	J2	502	GDP	C6-N1	-2.24	1.34	1.37
128	8H	501	GTP	C2-N3	2.24	1.38	1.33
129	Ju	501	GDP	C6-N1	-2.24	1.34	1.37
129	MG	502	GDP	C6-N1	-2.24	1.34	1.37
128	1L	501	GTP	C2-N3	2.24	1.38	1.33
129	R2	503	GDP	C6-N1	-2.24	1.34	1.37
129	JW	503	GDP	C6-N1	-2.24	1.34	1.37
129	KL	502	GDP	C6-N1	-2.24	1.34	1.37
129	V6	501	GDP	C6-N1	-2.24	1.34	1.37
128	W2	501	GTP	C2-N3	2.24	1.38	1.33
129	KJ	501	GDP	C6-N1	-2.24	1.34	1.37
128	1S	501	GTP	C2-N3	2.24	1.38	1.33
129	2C	502	GDP	C6-N1	-2.24	1.34	1.37
128	2E	501	GTP	C2-N3	2.23	1.38	1.33
129	O4	503	GDP	C6-N1	-2.23	1.34	1.37
128	Jh	501	GTP	C2-N3	2.23	1.38	1.33
129	LH	502	GDP	C6-N1	-2.23	1.34	1.37
128	T2	501	GTP	C2-N3	2.23	1.38	1.33
129	8H	502	GDP	C6-N1	-2.23	1.34	1.37
129	IK	502	GDP	C6-N1	-2.23	1.34	1.37
128	H3	501	GTP	C2-N3	2.23	1.38	1.33
128	Li	501	GTP	C2-N3	2.23	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	M6	501	GTP	PB-O3B	2.23	1.61	1.59
129	2U	502	GDP	C6-N1	-2.23	1.34	1.37
128	MH	501	GTP	C2-N3	2.23	1.38	1.33
128	Z2	501	GTP	C2-N3	2.23	1.38	1.33
129	JL	501	GDP	C6-N1	-2.23	1.34	1.37
129	Nj	501	GDP	C6-N1	-2.23	1.34	1.37
128	M7	501	GTP	C2-N3	2.23	1.38	1.33
129	Ed	502	GDP	C6-N1	-2.23	1.34	1.37
129	X4	502	GDP	C6-N1	-2.23	1.34	1.37
128	1Q	501	GTP	C2-N3	2.22	1.38	1.33
128	Jy	501	GTP	C2-N3	2.22	1.38	1.33
128	0I	502	GTP	C2-N3	2.22	1.38	1.33
128	0O	501	GTP	PB-O3B	2.22	1.61	1.59
129	W0	502	GDP	C6-N1	-2.22	1.34	1.37
128	K7	501	GTP	C2-N3	2.22	1.38	1.33
128	I8	501	GTP	C2-N3	2.22	1.38	1.33
128	2U	501	GTP	C2-N3	2.22	1.38	1.33
128	E1	501	GTP	C2-N3	2.22	1.38	1.33
128	R2	502	GTP	C2-N3	2.22	1.38	1.33
128	2Y	501	GTP	C2-N3	2.22	1.38	1.33
128	IW	501	GTP	C2-N3	2.22	1.38	1.33
128	Q2	501	GTP	C2-N3	2.22	1.38	1.33
128	Nh	501	GTP	C2-N3	2.22	1.38	1.33
128	J2	501	GTP	PB-O3B	2.22	1.61	1.59
128	R6	501	GTP	C2-N3	2.22	1.38	1.33
128	Ci	501	GTP	C2-N3	2.22	1.38	1.33
128	LJ	501	GTP	C2-N3	2.22	1.38	1.33
128	V2	501	GTP	C2-N3	2.22	1.38	1.33
128	Jj	501	GTP	C2-N3	2.21	1.38	1.33
128	Kx	501	GTP	C2-N3	2.21	1.38	1.33
128	W4	501	GTP	C2-N3	2.21	1.38	1.33
128	3G	501	GTP	C2-N3	2.21	1.38	1.33
128	F8	501	GTP	C2-N3	2.21	1.38	1.33
129	IW	502	GDP	C6-N1	-2.21	1.34	1.37
128	2I	501	GTP	C2-N3	2.21	1.38	1.33
128	P8	501	GTP	C2-N3	2.21	1.38	1.33
128	S8	501	GTP	C2-N3	2.21	1.38	1.33
128	Y6	501	GTP	C2-N3	2.21	1.38	1.33
128	NS	501	GTP	C2-N3	2.21	1.38	1.33
128	Jl	502	GTP	C2-N3	2.21	1.38	1.33
128	8M	501	GTP	C2-N3	2.21	1.38	1.33
128	Du	501	GTP	C2-N3	2.21	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	8I	501	GTP	C2-N3	2.21	1.38	1.33
128	NF	501	GTP	C2-N3	2.21	1.38	1.33
128	U7	501	GTP	C2-N3	2.21	1.38	1.33
128	0K	501	GTP	C2-N3	2.21	1.38	1.33
128	G0	501	GTP	C2-N3	2.21	1.38	1.33
128	X4	501	GTP	C2-N3	2.21	1.38	1.33
128	C5	501	GTP	C2-N3	2.20	1.38	1.33
128	U9	501	GTP	C2-N3	2.20	1.38	1.33
128	Lh	501	GTP	C2-N3	2.20	1.38	1.33
128	1N	501	GTP	C2-N3	2.20	1.38	1.33
128	8L	501	GTP	C2-N3	2.20	1.38	1.33
128	Ik	501	GTP	C2-N3	2.20	1.38	1.33
128	U6	501	GTP	C2-N3	2.20	1.38	1.33
129	EQ	502	GDP	C6-N1	-2.20	1.34	1.37
128	AT	501	GTP	C2-N3	2.20	1.38	1.33
128	U2	501	GTP	C2-N3	2.20	1.38	1.33
128	Z3	501	GTP	C2-N3	2.20	1.38	1.33
128	Kv	501	GTP	C2-N3	2.20	1.38	1.33
128	2A	501	GTP	C2-N3	2.20	1.38	1.33
128	JW	502	GTP	C2-N3	2.20	1.38	1.33
128	G3	502	GTP	PB-O3B	2.20	1.61	1.59
128	N8	501	GTP	PB-O3B	2.20	1.61	1.59
128	F3	501	GTP	C2-N3	2.20	1.38	1.33
128	Nf	501	GTP	C2-N3	2.20	1.38	1.33
128	Z0	501	GTP	C2-N3	2.20	1.38	1.33
128	NU	501	GTP	PB-O3B	2.20	1.61	1.59
128	IK	501	GTP	C2-N3	2.20	1.38	1.33
128	I0	501	GTP	C2-N3	2.20	1.38	1.33
128	MT	501	GTP	C2-N3	2.20	1.38	1.33
128	Mu	501	GTP	C2-N3	2.20	1.38	1.33
128	V8	501	GTP	C2-N3	2.20	1.38	1.33
128	0C	501	GTP	C2-N3	2.20	1.38	1.33
128	LH	501	GTP	C2-N3	2.20	1.38	1.33
128	F5	501	GTP	C2-N3	2.20	1.38	1.33
128	A9	501	GTP	PB-O3B	2.20	1.61	1.59
128	Lu	501	GTP	C2-N3	2.19	1.38	1.33
128	1X	501	GTP	C2-N3	2.19	1.38	1.33
128	Kl	501	GTP	C2-N3	2.19	1.38	1.33
128	2Q	501	GTP	PA-O3A	2.19	1.61	1.59
128	0M	501	GTP	C2-N3	2.19	1.38	1.33
128	Lv	501	GTP	C2-N3	2.19	1.38	1.33
128	JX	501	GTP	C2-N3	2.19	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	B7	501	GTP	C2-N3	2.19	1.38	1.33
128	Ii	501	GTP	C2-N3	2.19	1.38	1.33
128	JU	501	GTP	C2-N3	2.19	1.38	1.33
128	M0	501	GTP	C2-N3	2.19	1.38	1.33
128	N8	501	GTP	C2-N3	2.19	1.38	1.33
128	K4	501	GTP	C2-N3	2.19	1.38	1.33
128	P6	501	GTP	C2-N3	2.19	1.38	1.33
128	2S	501	GTP	C2-N3	2.19	1.38	1.33
128	JI	502	GTP	C2-N3	2.19	1.38	1.33
128	KH	501	GTP	C2-N3	2.19	1.38	1.33
128	Kv	501	GTP	PB-O3B	2.19	1.61	1.59
128	GH	501	GTP	C2-N3	2.19	1.38	1.33
128	K6	501	GTP	C2-N3	2.19	1.38	1.33
128	1A	501	GTP	C2-N3	2.19	1.38	1.33
128	A9	501	GTP	C2-N3	2.19	1.38	1.33
128	B0	501	GTP	C2-N3	2.19	1.38	1.33
128	Fl	501	GTP	C2-N3	2.19	1.38	1.33
128	EH	501	GTP	C2-N3	2.19	1.38	1.33
128	H8	501	GTP	C2-N3	2.19	1.38	1.33
128	B2	501	GTP	C2-N3	2.19	1.38	1.33
128	W5	501	GTP	C2-N3	2.19	1.38	1.33
128	X6	501	GTP	C2-N3	2.19	1.38	1.33
128	Mh	501	GTP	C2-N3	2.19	1.38	1.33
128	M4	501	GTP	C2-N3	2.19	1.38	1.33
128	3I	501	GTP	C2-N3	2.19	1.38	1.33
128	U4	501	GTP	C2-N3	2.19	1.38	1.33
128	Iy	501	GTP	C2-N3	2.19	1.38	1.33
128	3K	501	GTP	C2-N3	2.19	1.38	1.33
128	Dr	501	GTP	C2-N3	2.18	1.38	1.33
128	J2	501	GTP	C2-N3	2.18	1.38	1.33
128	O4	502	GTP	C2-N3	2.18	1.38	1.33
128	2W	501	GTP	C2-N3	2.18	1.38	1.33
128	H6	501	GTP	C2-N3	2.18	1.38	1.33
128	IL	501	GTP	C2-N3	2.18	1.38	1.33
128	N6	501	GTP	C2-N3	2.18	1.38	1.33
128	EV	501	GTP	C2-N3	2.18	1.38	1.33
128	KL	501	GTP	C2-N3	2.18	1.38	1.33
128	O2	501	GTP	C2-N3	2.18	1.38	1.33
128	Mg	501	GTP	C2-N3	2.18	1.38	1.33
128	IX	501	GTP	C2-N3	2.18	1.38	1.33
128	C4	502	GTP	C2-N3	2.18	1.38	1.33
128	Ce	502	GTP	C2-N3	2.18	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	Aj	501	GTP	PB-O3B	2.18	1.61	1.59
128	C8	501	GTP	C2-N3	2.18	1.38	1.33
128	Eu	501	GTP	C2-N3	2.18	1.38	1.33
128	R4	501	GTP	C2-N3	2.18	1.38	1.33
128	Z7	501	GTP	C2-N3	2.18	1.38	1.33
128	E4	501	GTP	C2-N3	2.18	1.38	1.33
128	E6	501	GTP	C2-N3	2.18	1.38	1.33
128	Az	501	GTP	C2-N3	2.18	1.38	1.33
128	LX	501	GTP	C2-N3	2.18	1.38	1.33
128	Ni	501	GTP	C2-N3	2.18	1.38	1.33
128	NU	501	GTP	C2-N3	2.18	1.38	1.33
128	J4	501	GTP	C2-N3	2.18	1.38	1.33
128	JK	501	GTP	C2-N3	2.18	1.38	1.33
128	P9	501	GTP	C2-N3	2.18	1.38	1.33
128	FI	501	GTP	C2-N3	2.18	1.38	1.33
128	GI	501	GTP	C2-N3	2.18	1.38	1.33
128	W0	501	GTP	C2-N3	2.18	1.38	1.33
128	Y1	501	GTP	C2-N3	2.18	1.38	1.33
128	Z6	501	GTP	C2-N3	2.18	1.38	1.33
128	NJ	501	GTP	C2-N3	2.17	1.38	1.33
128	NW	501	GTP	C2-N3	2.17	1.38	1.33
128	X0	501	GTP	C2-N3	2.17	1.38	1.33
128	B5	501	GTP	C2-N3	2.17	1.38	1.33
128	0R	502	GTP	C2-N3	2.17	1.38	1.33
128	K9	501	GTP	C2-N3	2.17	1.38	1.33
128	0V	501	GTP	C2-N3	2.17	1.38	1.33
128	Mt	501	GTP	C2-N3	2.17	1.38	1.33
128	El	501	GTP	PB-O3B	2.17	1.61	1.59
128	2Q	501	GTP	C2-N3	2.17	1.38	1.33
128	LU	501	GTP	C2-N3	2.17	1.38	1.33
128	MG	501	GTP	C2-N3	2.17	1.38	1.33
128	1C	501	GTP	C2-N3	2.17	1.38	1.33
128	J6	501	GTP	C2-N3	2.17	1.38	1.33
128	W8	501	GTP	C2-N3	2.17	1.38	1.33
128	2G	501	GTP	C2-N3	2.17	1.38	1.33
128	A4	501	GTP	C2-N3	2.17	1.38	1.33
128	O0	501	GTP	C2-N3	2.17	1.38	1.33
128	EI	501	GTP	C2-N3	2.17	1.38	1.33
128	KW	501	GTP	C2-N3	2.17	1.38	1.33
128	Ft	501	GTP	C2-N3	2.17	1.38	1.33
128	Fx	501	GTP	C2-N3	2.17	1.38	1.33
128	Jw	501	GTP	C2-N3	2.17	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	Dt	501	GTP	C2-N3	2.17	1.38	1.33
128	U6	501	GTP	PA-O3A	2.17	1.61	1.59
128	3M	501	GTP	C2-N3	2.17	1.38	1.33
128	P4	501	GTP	C2-N3	2.17	1.38	1.33
128	V3	501	GTP	C2-N3	2.17	1.38	1.33
128	M2	501	GTP	C2-N3	2.17	1.38	1.33
128	8L	501	GTP	PB-O3B	2.17	1.61	1.59
128	0F	501	GTP	C2-N3	2.17	1.38	1.33
128	Bf	502	GTP	C2-N3	2.17	1.38	1.33
128	Di	501	GTP	C2-N3	2.17	1.38	1.33
128	EU	501	GTP	C2-N3	2.16	1.38	1.33
128	Fe	501	GTP	C2-N3	2.16	1.38	1.33
128	H2	501	GTP	C2-N3	2.16	1.38	1.33
128	Kj	502	GTP	C2-N3	2.16	1.38	1.33
128	BW	501	GTP	C2-N3	2.16	1.38	1.33
128	D1	501	GTP	C2-N3	2.16	1.38	1.33
128	3P	501	GTP	C2-N3	2.16	1.38	1.33
128	M6	501	GTP	C2-N3	2.16	1.38	1.33
128	Cr	502	GTP	PB-O3B	2.16	1.61	1.59
128	C9	501	GTP	C2-N3	2.16	1.38	1.33
128	Fi	501	GTP	C2-N3	2.16	1.38	1.33
128	0Y	501	GTP	C2-N3	2.16	1.38	1.33
128	G1	501	GTP	C2-N3	2.16	1.38	1.33
128	MV	501	GTP	C2-N3	2.16	1.38	1.33
128	Eh	501	GTP	C2-N3	2.16	1.38	1.33
128	J0	501	GTP	C2-N3	2.16	1.38	1.33
128	R8	502	GTP	C2-N3	2.16	1.38	1.33
128	Y4	501	GTP	C2-N3	2.16	1.38	1.33
128	G0	501	GTP	PB-O3B	2.16	1.61	1.59
128	NS	501	GTP	PB-O3B	2.16	1.61	1.59
128	2K	501	GTP	C2-N3	2.16	1.38	1.33
128	Ag	501	GTP	C2-N3	2.16	1.38	1.33
128	L6	501	GTP	C2-N3	2.16	1.38	1.33
128	1G	501	GTP	C2-N3	2.16	1.38	1.33
128	C1	501	GTP	C2-N3	2.16	1.38	1.33
128	O8	501	GTP	C2-N3	2.16	1.38	1.33
128	0R	502	GTP	PB-O3B	2.16	1.61	1.59
128	M0	501	GTP	PB-O3B	2.16	1.61	1.59
128	KI	501	GTP	C2-N3	2.16	1.38	1.33
128	E8	501	GTP	PB-O3B	2.16	1.61	1.59
128	1T	501	GTP	C2-N3	2.15	1.38	1.33
128	IL	501	GTP	PB-O3A	2.15	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	M4	501	GTP	PA-O3A	2.15	1.61	1.59
128	C0	501	GTP	C2-N3	2.15	1.38	1.33
128	EF	501	GTP	C2-N3	2.15	1.38	1.33
128	Es	501	GTP	C2-N3	2.15	1.38	1.33
128	3C	501	GTP	C2-N3	2.15	1.38	1.33
128	EL	501	GTP	C2-N3	2.15	1.38	1.33
128	L2	501	GTP	C2-N3	2.15	1.38	1.33
128	An	501	GTP	C2-N3	2.15	1.38	1.33
128	At	501	GTP	C2-N3	2.15	1.38	1.33
128	El	501	GTP	C2-N3	2.15	1.38	1.33
128	KU	501	GTP	C2-N3	2.15	1.38	1.33
128	T4	501	GTP	C2-N3	2.15	1.38	1.33
128	Ba	501	GTP	PB-O3B	2.15	1.61	1.59
128	FW	501	GTP	C2-N3	2.15	1.38	1.33
128	FV	501	GTP	PB-O3B	2.15	1.61	1.59
128	K0	501	GTP	C2-N3	2.15	1.38	1.33
128	G7	501	GTP	C2-N3	2.15	1.38	1.33
128	Fc	501	GTP	C2-N3	2.15	1.38	1.33
128	3S	501	GTP	C2-N3	2.15	1.38	1.33
128	CU	501	GTP	C2-N3	2.15	1.38	1.33
128	Ee	501	GTP	C2-N3	2.14	1.38	1.33
128	0M	501	GTP	PA-O3A	2.14	1.61	1.59
128	N1	501	GTP	C2-N3	2.14	1.38	1.33
128	R0	501	GTP	C2-N3	2.14	1.38	1.33
128	CR	502	GTP	C2-N3	2.14	1.38	1.33
128	Ew	501	GTP	C2-N3	2.14	1.38	1.33
128	ED	501	GTP	C2-N3	2.14	1.38	1.33
128	Fk	501	GTP	C2-N3	2.14	1.38	1.33
128	Av	501	GTP	C2-N3	2.14	1.38	1.33
128	Dw	501	GTP	C2-N3	2.14	1.38	1.33
128	GF	501	GTP	C2-N3	2.14	1.38	1.33
128	A2	501	GTP	C2-N3	2.14	1.38	1.33
128	Dz	501	GTP	C2-N3	2.14	1.38	1.33
128	Ei	501	GTP	C2-N3	2.14	1.38	1.33
128	I1	501	GTP	C2-N3	2.14	1.38	1.33
128	3O	501	GTP	C2-N3	2.14	1.38	1.33
128	BH	501	GTP	C2-N3	2.14	1.38	1.33
128	Cr	502	GTP	C2-N3	2.14	1.38	1.33
128	K9	501	GTP	PA-O3A	2.14	1.61	1.59
128	T8	501	GTP	PB-O3B	2.14	1.61	1.59
128	Cj	501	GTP	C2-N3	2.13	1.38	1.33
128	CX	501	GTP	C2-N3	2.13	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	E0	502	GTP	C2-N3	2.13	1.38	1.33
128	FG	501	GTP	C2-N3	2.13	1.38	1.33
128	Cx	501	GTP	C2-N3	2.13	1.38	1.33
128	0O	501	GTP	C2-N3	2.13	1.38	1.33
128	3A	501	GTP	C2-N3	2.13	1.38	1.33
128	Bo	501	GTP	C2-N3	2.13	1.38	1.33
128	Lh	501	GTP	PA-O3A	2.13	1.61	1.59
128	A1	501	GTP	C2-N3	2.13	1.38	1.33
128	Ba	501	GTP	C2-N3	2.13	1.38	1.33
128	MV	501	GTP	PB-O3B	2.13	1.61	1.59
128	Y4	501	GTP	PB-O3B	2.13	1.61	1.59
128	FV	501	GTP	C2-N3	2.13	1.38	1.33
128	Fr	501	GTP	C2-N3	2.13	1.38	1.33
128	Cv	502	GTP	C2-N3	2.13	1.38	1.33
128	3G	501	GTP	PA-O3A	2.13	1.61	1.59
128	T6	501	GTP	C2-N3	2.13	1.38	1.33
128	X7	501	GTP	C2-N3	2.13	1.38	1.33
128	I4	502	GTP	C2-N3	2.13	1.38	1.33
128	KY	501	GTP	C2-N3	2.12	1.38	1.33
128	2C	501	GTP	C2-N3	2.12	1.38	1.33
128	I5	501	GTP	C2-N3	2.12	1.38	1.33
128	W0	501	GTP	PB-O3B	2.12	1.61	1.59
128	CG	501	GTP	C2-N3	2.12	1.38	1.33
128	F1	501	GTP	C2-N3	2.12	1.38	1.33
128	FT	502	GTP	C2-N3	2.12	1.38	1.33
128	N0	501	GTP	C2-N3	2.12	1.38	1.33
128	CZ	501	GTP	C2-N3	2.12	1.38	1.33
128	E6	501	GTP	PB-O3B	2.12	1.61	1.59
128	Fv	501	GTP	PA-O3A	2.12	1.61	1.59
128	FE	501	GTP	C2-N3	2.12	1.38	1.33
128	GD	501	GTP	C2-N3	2.12	1.38	1.33
128	Df	501	GTP	C2-N3	2.12	1.38	1.33
128	CE	502	GTP	C2-N3	2.12	1.38	1.33
128	Cg	501	GTP	C2-N3	2.12	1.38	1.33
128	Cm	501	GTP	C2-N3	2.12	1.38	1.33
128	Cz	501	GTP	C2-N3	2.12	1.38	1.33
128	DR	501	GTP	C2-N3	2.12	1.38	1.33
128	Fg	501	GTP	C2-N3	2.12	1.38	1.33
128	2L	501	GTP	C2-N3	2.12	1.38	1.33
128	BU	501	GTP	C2-N3	2.12	1.38	1.33
128	0A	501	GTP	C2-N3	2.12	1.38	1.33
128	By	502	GTP	C2-N3	2.12	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	CM	502	GTP	C2-N3	2.12	1.38	1.33
128	2C	501	GTP	PA-O3A	2.12	1.61	1.59
128	F0	501	GTP	C2-N3	2.12	1.38	1.33
128	De	501	GTP	C2-N3	2.12	1.38	1.33
128	EY	501	GTP	C2-N3	2.11	1.38	1.33
128	Aj	501	GTP	C2-N3	2.11	1.38	1.33
128	CK	501	GTP	C2-N3	2.11	1.38	1.33
128	CI	501	GTP	C2-N3	2.11	1.38	1.33
128	Bl	501	GTP	C2-N3	2.11	1.38	1.33
128	0Q	502	GTP	C2-N3	2.11	1.38	1.33
128	Fv	501	GTP	C2-N3	2.11	1.38	1.33
128	J8	502	GTP	C2-N3	2.11	1.38	1.33
128	2C	501	GTP	PB-O3B	2.11	1.61	1.59
128	G3	502	GTP	PA-O3A	2.11	1.61	1.59
128	KH	501	GTP	PB-O3B	2.11	1.61	1.59
128	T8	501	GTP	C2-N3	2.11	1.38	1.33
128	Bh	501	GTP	C2-N3	2.11	1.38	1.33
128	Dk	501	GTP	C2-N3	2.11	1.38	1.33
128	Nf	501	GTP	PA-O3A	2.10	1.61	1.59
128	X7	501	GTP	PB-O3B	2.10	1.61	1.59
128	CS	501	GTP	C2-N3	2.10	1.38	1.33
128	D7	501	GTP	C2-N3	2.10	1.38	1.33
128	1W	501	GTP	C2-N3	2.10	1.38	1.33
128	BB	501	GTP	C2-N3	2.10	1.38	1.33
128	D3	501	GTP	C2-N3	2.10	1.38	1.33
128	Q6	501	GTP	C2-N3	2.10	1.38	1.33
128	Fp	501	GTP	C2-N3	2.10	1.38	1.33
128	G5	501	GTP	C2-N3	2.10	1.38	1.33
128	F8	501	GTP	PB-O3B	2.10	1.61	1.59
128	1H	501	GTP	C2-N3	2.10	1.38	1.33
128	L4	501	GTP	C2-N3	2.10	1.38	1.33
128	Eq	501	GTP	C2-N3	2.10	1.38	1.33
128	Bb	501	GTP	C2-N3	2.09	1.38	1.33
128	BN	501	GTP	C2-N3	2.09	1.38	1.33
128	ER	501	GTP	C2-N3	2.09	1.38	1.33
128	EQ	501	GTP	C2-N3	2.09	1.38	1.33
128	Bi	501	GTP	C2-N3	2.09	1.38	1.33
128	S2	501	GTP	C2-N3	2.09	1.38	1.33
128	D5	501	GTP	C2-N3	2.09	1.38	1.33
128	Ed	501	GTP	C2-N3	2.09	1.38	1.33
128	Q4	501	GTP	C2-N3	2.09	1.38	1.33
128	Nh	501	GTP	PA-O3A	2.09	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	2S	501	GTP	PB-O3B	2.09	1.61	1.59
128	FI	501	GTP	PB-O3B	2.08	1.61	1.59
128	BL	501	GTP	C2-N3	2.08	1.38	1.33
128	DE	501	GTP	C2-N3	2.08	1.38	1.33
128	GB	501	GTP	C2-N3	2.08	1.38	1.33
128	FJ	501	GTP	C2-N3	2.08	1.38	1.33
128	1A	501	GTP	PB-O3B	2.08	1.61	1.59
128	Ao	501	GTP	C2-N3	2.08	1.38	1.33
128	DG	501	GTP	C2-N3	2.08	1.38	1.33
128	U4	501	GTP	PA-O3A	2.08	1.61	1.59
128	L2	501	GTP	PB-O3B	2.08	1.61	1.59
128	2I	501	GTP	PA-O3A	2.07	1.61	1.59
128	Li	501	GTP	PA-O3A	2.07	1.61	1.59
128	2Y	501	GTP	PB-O3B	2.07	1.61	1.59
128	U7	501	GTP	PA-O3A	2.07	1.61	1.59
128	V8	501	GTP	PA-O3A	2.07	1.61	1.59
128	0Y	501	GTP	PB-O3B	2.07	1.61	1.59
128	M2	501	GTP	PB-O3B	2.07	1.61	1.59
128	BY	501	GTP	C2-N3	2.07	1.38	1.33
128	EH	501	GTP	PA-O3A	2.07	1.61	1.59
128	DT	501	GTP	C2-N3	2.07	1.38	1.33
128	Ak	501	GTP	C2-N3	2.06	1.38	1.33
128	Cz	501	GTP	PB-O3B	2.06	1.61	1.59
129	8N	501	GDP	PA-O3A	2.06	1.61	1.59
128	BG	501	GTP	C2-N3	2.06	1.38	1.33
128	3K	501	GTP	PA-O3A	2.06	1.61	1.59
128	1D	501	GTP	C2-N3	2.06	1.38	1.33
128	FQ	501	GTP	C2-N3	2.06	1.38	1.33
128	Ay	502	GTP	C2-N3	2.06	1.38	1.33
128	Bu	501	GTP	C2-N3	2.06	1.38	1.33
128	2Y	501	GTP	PA-O3A	2.06	1.61	1.59
128	JU	501	GTP	PA-O3A	2.06	1.61	1.59
128	DH	501	GTP	C2-N3	2.06	1.38	1.33
128	Bw	501	GTP	C2-N3	2.06	1.38	1.33
128	DM	501	GTP	C2-N3	2.06	1.38	1.33
128	DV	501	GTP	C2-N3	2.06	1.38	1.33
128	KL	501	GTP	PB-O3B	2.05	1.61	1.59
128	U7	501	GTP	PB-O3A	2.05	1.61	1.59
128	Z0	501	GTP	PA-O3A	2.05	1.61	1.59
128	K4	501	GTP	PB-O3B	2.05	1.61	1.59
128	Lu	501	GTP	PA-O3A	2.05	1.61	1.59
128	MT	501	GTP	PB-O3A	2.05	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	R0	501	GTP	PB-O3B	2.05	1.61	1.59
128	O6	501	GTP	C2-N3	2.05	1.38	1.33
128	Ct	501	GTP	C2-N3	2.05	1.38	1.33
128	S0	501	GTP	C2-N3	2.05	1.38	1.33
128	DZ	501	GTP	C2-N3	2.05	1.38	1.33
128	Bm	501	GTP	C2-N3	2.05	1.38	1.33
128	2I	501	GTP	PB-O3B	2.05	1.61	1.59
128	S8	501	GTP	PB-O3B	2.05	1.61	1.59
128	BJ	501	GTP	C2-N3	2.05	1.38	1.33
128	Dm	501	GTP	C2-N3	2.05	1.38	1.33
128	EQ	501	GTP	PB-O3B	2.04	1.61	1.59
128	Kv	501	GTP	PA-O3A	2.04	1.61	1.59
128	DK	501	GTP	C2-N3	2.04	1.38	1.33
129	0G	501	GDP	C6-N1	-2.04	1.34	1.37
128	F0	501	GTP	PA-O3A	2.04	1.61	1.59
129	0E	501	GDP	C6-N1	-2.04	1.34	1.37
128	Iy	501	GTP	PA-O3A	2.04	1.61	1.59
128	Jy	501	GTP	PA-O3A	2.04	1.61	1.59
128	Bz	501	GTP	C2-N3	2.04	1.38	1.33
128	2E	501	GTP	PB-O3B	2.04	1.61	1.59
128	H6	501	GTP	PB-O3B	2.04	1.61	1.59
128	W2	501	GTP	PA-O3A	2.04	1.61	1.59
128	3P	501	GTP	PA-O3A	2.03	1.61	1.59
128	Jh	501	GTP	PA-O3A	2.03	1.61	1.59
128	Lh	501	GTP	PB-O3A	2.03	1.61	1.59
128	B5	501	GTP	PB-O3B	2.03	1.61	1.59
128	U6	501	GTP	PB-O3B	2.03	1.61	1.59
128	0V	501	GTP	PB-O3B	2.03	1.61	1.59
128	IL	501	GTP	PA-O3A	2.03	1.61	1.59
129	0E	501	GDP	O4'-C1'	2.02	1.43	1.40
128	Mt	501	GTP	PA-O3A	2.02	1.61	1.59
128	LJ	501	GTP	PA-O3A	2.02	1.61	1.59
128	DX	501	GTP	C2-N3	2.02	1.38	1.33
128	GI	501	GTP	PA-O3A	2.02	1.61	1.59
128	Lv	501	GTP	PA-O3A	2.02	1.61	1.59
128	NW	501	GTP	PA-O3A	2.02	1.61	1.59
128	8M	501	GTP	PA-O3A	2.02	1.61	1.59
128	E4	501	GTP	PB-O3B	2.02	1.61	1.59
128	Fe	501	GTP	PB-O3B	2.02	1.61	1.59
128	J6	501	GTP	PB-O3B	2.01	1.61	1.59
128	AT	501	GTP	PA-O3A	2.01	1.61	1.59
128	Jy	501	GTP	PB-O3B	2.01	1.61	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
128	FG	501	GTP	PB-O3B	2.01	1.61	1.59
128	U2	501	GTP	PA-O3A	2.01	1.61	1.59
128	X6	501	GTP	PA-O3A	2.01	1.61	1.59
128	0C	501	GTP	PB-O3A	2.01	1.61	1.59
128	3M	501	GTP	PA-O3A	2.00	1.61	1.59
128	P8	501	GTP	PA-O3A	2.00	1.61	1.59
128	P9	501	GTP	PB-O3A	2.00	1.61	1.59
128	S5	501	GTP	PB-O3B	2.00	1.61	1.59
128	MH	501	GTP	PA-O3A	2.00	1.61	1.59

All (2040) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	NH	501	GTP	O2A-PA-O3A	7.13	126.54	107.27
129	0G	501	GDP	O2A-PA-O3A	5.58	122.36	107.27
128	NH	501	GTP	O5'-PA-O1A	-4.96	89.27	108.94
128	NH	501	GTP	C8-N7-C5	4.33	109.93	102.55
128	NH	501	GTP	C4'-O4'-C1'	3.89	113.49	109.92
129	0G	501	GDP	C4'-O4'-C1'	3.85	113.45	109.92
129	0G	501	GDP	O4'-C1'-N9	-3.78	103.73	108.75
128	2K	501	GTP	C8-N7-C5	3.75	108.93	102.55
128	2C	501	GTP	C8-N7-C5	3.74	108.92	102.55
128	0O	501	GTP	C8-N7-C5	3.74	108.91	102.55
128	EQ	501	GTP	C8-N7-C5	3.73	108.89	102.55
128	BN	501	GTP	C8-N7-C5	3.73	108.89	102.55
128	R8	502	GTP	C8-N7-C5	3.72	108.89	102.55
128	CM	502	GTP	C8-N7-C5	3.72	108.88	102.55
128	0C	501	GTP	C8-N7-C5	3.71	108.86	102.55
128	E6	501	GTP	C8-N7-C5	3.71	108.86	102.55
128	EI	501	GTP	C8-N7-C5	3.71	108.86	102.55
128	ER	501	GTP	C8-N7-C5	3.70	108.85	102.55
128	CR	502	GTP	C8-N7-C5	3.70	108.85	102.55
128	S2	501	GTP	C8-N7-C5	3.70	108.85	102.55
128	X7	501	GTP	C8-N7-C5	3.70	108.85	102.55
128	FV	501	GTP	C8-N7-C5	3.70	108.84	102.55
128	D3	501	GTP	C8-N7-C5	3.70	108.84	102.55
128	Fe	501	GTP	C8-N7-C5	3.69	108.84	102.55
128	X4	501	GTP	C8-N7-C5	3.69	108.84	102.55
128	CI	501	GTP	C8-N7-C5	3.69	108.84	102.55
128	KY	501	GTP	C8-N7-C5	3.69	108.84	102.55
128	1T	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	EV	501	GTP	C8-N7-C5	3.69	108.83	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Y4	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	Z7	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	L6	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	Fp	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	FE	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	FW	501	GTP	C8-N7-C5	3.69	108.83	102.55
128	3A	501	GTP	C8-N7-C5	3.68	108.82	102.55
128	Kj	502	GTP	C8-N7-C5	3.68	108.82	102.55
128	P9	501	GTP	C8-N7-C5	3.68	108.82	102.55
128	O6	501	GTP	C8-N7-C5	3.68	108.82	102.55
128	X0	501	GTP	C8-N7-C5	3.68	108.81	102.55
128	DG	501	GTP	C8-N7-C5	3.68	108.81	102.55
128	C8	501	GTP	C8-N7-C5	3.68	108.81	102.55
128	BH	501	GTP	C8-N7-C5	3.68	108.81	102.55
128	DH	501	GTP	C8-N7-C5	3.68	108.81	102.55
128	Bf	502	GTP	C8-N7-C5	3.67	108.81	102.55
128	1X	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	DT	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	Ni	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	BG	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	DV	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	Fx	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	Y6	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	3P	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	C9	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	CE	502	GTP	C8-N7-C5	3.67	108.80	102.55
128	Dm	501	GTP	C8-N7-C5	3.67	108.80	102.55
128	1D	501	GTP	C8-N7-C5	3.67	108.79	102.55
128	FG	501	GTP	C8-N7-C5	3.67	108.79	102.55
128	Fg	501	GTP	C8-N7-C5	3.67	108.79	102.55
128	N6	501	GTP	C8-N7-C5	3.67	108.79	102.55
128	BL	501	GTP	C8-N7-C5	3.67	108.79	102.55
128	DX	501	GTP	C8-N7-C5	3.66	108.79	102.55
128	DZ	501	GTP	C8-N7-C5	3.66	108.79	102.55
128	Eu	501	GTP	C8-N7-C5	3.66	108.79	102.55
128	Y1	501	GTP	C8-N7-C5	3.66	108.79	102.55
128	3M	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	BJ	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	Q4	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	Bi	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	3O	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	3S	501	GTP	C8-N7-C5	3.66	108.78	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	MV	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	Mu	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	D5	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	P6	501	GTP	C8-N7-C5	3.66	108.78	102.55
128	J4	501	GTP	C8-N7-C5	3.66	108.77	102.55
128	H3	501	GTP	C8-N7-C5	3.66	108.77	102.55
128	I1	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	O0	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	Kv	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	G5	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	EL	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	O8	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	T8	501	GTP	C8-N7-C5	3.65	108.77	102.55
128	2A	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	Z0	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	JK	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	Fl	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	Kl	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	K9	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	1H	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	3C	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	L2	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	T6	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	3K	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	M0	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	S5	501	GTP	C8-N7-C5	3.65	108.76	102.55
128	E0	502	GTP	C8-N7-C5	3.65	108.75	102.55
128	G7	501	GTP	C8-N7-C5	3.65	108.75	102.55
128	JX	501	GTP	C8-N7-C5	3.65	108.75	102.55
128	D7	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	Q2	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	CS	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	JU	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	P8	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	T4	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	0I	502	GTP	C8-N7-C5	3.64	108.75	102.55
128	0M	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	Cx	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	DE	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	R2	502	GTP	C8-N7-C5	3.64	108.75	102.55
128	0F	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	1G	501	GTP	C8-N7-C5	3.64	108.75	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	S9	501	GTP	C8-N7-C5	3.64	108.75	102.55
128	BU	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	C5	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	Kx	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	3I	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	NW	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	H8	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	Cj	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	Dw	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	G1	501	GTP	C8-N7-C5	3.64	108.74	102.55
128	Bo	501	GTP	C8-N7-C5	3.63	108.74	102.55
128	D1	501	GTP	C8-N7-C5	3.63	108.74	102.55
128	1S	501	GTP	C8-N7-C5	3.63	108.74	102.55
128	CK	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	Dk	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	C4	502	GTP	C8-N7-C5	3.63	108.73	102.55
128	EF	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	Fv	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	I4	502	GTP	C8-N7-C5	3.63	108.73	102.55
128	M4	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	O2	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	NF	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	J8	502	GTP	C8-N7-C5	3.63	108.73	102.55
128	Ay	502	GTP	C8-N7-C5	3.63	108.73	102.55
128	E1	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	Ft	501	GTP	C8-N7-C5	3.63	108.73	102.55
128	BY	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	I5	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	P4	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	E4	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	Ed	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	F3	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	JW	502	GTP	C8-N7-C5	3.63	108.72	102.55
128	Lv	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	Q6	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	A4	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	Eq	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	GF	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	0Q	502	GTP	C8-N7-C5	3.63	108.72	102.55
128	Df	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	Di	501	GTP	C8-N7-C5	3.63	108.72	102.55
128	2W	501	GTP	C8-N7-C5	3.62	108.72	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Ag	501	GTP	C8-N7-C5	3.62	108.72	102.55
128	Ce	502	GTP	C8-N7-C5	3.62	108.72	102.55
128	Ci	501	GTP	C8-N7-C5	3.62	108.72	102.55
128	GH	501	GTP	C8-N7-C5	3.62	108.72	102.55
128	CZ	501	GTP	C8-N7-C5	3.62	108.72	102.55
128	DK	501	GTP	C8-N7-C5	3.62	108.72	102.55
128	Bw	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	K7	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	Ii	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	CG	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	1A	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	FQ	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	GI	501	GTP	C8-N7-C5	3.62	108.71	102.55
128	0Y	501	GTP	C8-N7-C5	3.62	108.70	102.55
128	8I	501	GTP	C8-N7-C5	3.62	108.70	102.55
128	A1	501	GTP	C8-N7-C5	3.62	108.70	102.55
128	Fk	501	GTP	C8-N7-C5	3.62	108.70	102.55
128	Bm	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	1C	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Cg	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	LJ	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	GB	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Mg	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Mt	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Bh	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Bl	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Ct	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Fi	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Iy	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	JI	502	GTP	C8-N7-C5	3.61	108.70	102.55
128	2Y	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	MT	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Ak	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	Fc	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	IW	501	GTP	C8-N7-C5	3.61	108.70	102.55
128	O4	502	GTP	C8-N7-C5	3.61	108.69	102.55
128	M6	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	S0	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	T2	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	Bz	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	1N	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	Ik	501	GTP	C8-N7-C5	3.61	108.69	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	K6	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	2L	501	GTP	C8-N7-C5	3.61	108.69	102.55
128	2G	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	GD	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	Jh	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	Du	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	ED	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	EY	501	GTP	C8-N7-C5	3.60	108.69	102.55
128	F5	501	GTP	C8-N7-C5	3.60	108.68	102.55
128	1Q	501	GTP	C8-N7-C5	3.60	108.68	102.55
128	1W	501	GTP	C8-N7-C5	3.60	108.68	102.55
128	FT	502	GTP	C8-N7-C5	3.60	108.68	102.55
128	M7	501	GTP	C8-N7-C5	3.60	108.68	102.55
128	Z6	501	GTP	C8-N7-C5	3.60	108.68	102.55
128	DM	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	2U	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	KU	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	N1	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	U7	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	W8	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	Cr	502	GTP	C8-N7-C5	3.60	108.67	102.55
128	G0	501	GTP	C8-N7-C5	3.60	108.67	102.55
128	Fr	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	U4	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	Dr	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	R6	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	W2	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	8M	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	R4	501	GTP	C8-N7-C5	3.59	108.67	102.55
128	Lh	501	GTP	C8-N7-C5	3.59	108.66	102.55
128	An	501	GTP	C8-N7-C5	3.59	108.66	102.55
128	Av	501	GTP	C8-N7-C5	3.59	108.66	102.55
128	U9	501	GTP	C8-N7-C5	3.59	108.66	102.55
128	Bu	501	GTP	C8-N7-C5	3.59	108.65	102.55
128	B2	501	GTP	C8-N7-C5	3.59	108.65	102.55
128	U6	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	C1	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	I0	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	MH	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	A2	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	IL	501	GTP	C8-N7-C5	3.58	108.65	102.55
128	NS	501	GTP	C8-N7-C5	3.58	108.65	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	H6	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	At	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	0V	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	L4	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	Li	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	2I	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	AT	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	V3	501	GTP	C8-N7-C5	3.58	108.64	102.55
128	R0	501	GTP	C8-N7-C5	3.57	108.63	102.55
128	W4	501	GTP	C8-N7-C5	3.57	108.63	102.55
128	Cm	501	GTP	C8-N7-C5	3.57	108.63	102.55
128	FJ	501	GTP	C8-N7-C5	3.57	108.63	102.55
128	G3	502	GTP	C5-C6-N1	3.57	120.89	114.07
128	By	502	GTP	C8-N7-C5	3.57	108.63	102.55
128	CU	501	GTP	C8-N7-C5	3.57	108.63	102.55
128	Aj	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	0K	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	F1	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	Ba	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	DR	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	Jw	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	X6	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	Ao	501	GTP	C8-N7-C5	3.57	108.62	102.55
128	V2	501	GTP	C8-N7-C5	3.56	108.62	102.55
128	M2	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	De	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	A9	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	KH	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	Mh	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	KW	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	C0	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	Jy	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	N8	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	2E	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	Bb	501	GTP	C8-N7-C5	3.56	108.61	102.55
128	Dz	501	GTP	C8-N7-C5	3.56	108.60	102.55
128	3G	501	GTP	C8-N7-C5	3.55	108.60	102.55
128	BB	501	GTP	C8-N7-C5	3.55	108.60	102.55
128	LU	501	GTP	C8-N7-C5	3.55	108.59	102.55
128	EU	501	GTP	C8-N7-C5	3.55	108.59	102.55
128	Nf	501	GTP	C8-N7-C5	3.55	108.59	102.55
128	IK	501	GTP	C8-N7-C5	3.55	108.59	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	J6	501	GTP	C8-N7-C5	3.55	108.59	102.55
128	Ee	501	GTP	C8-N7-C5	3.55	108.58	102.55
128	Y0	501	GTP	C8-N7-C5	3.55	108.58	102.55
128	LH	501	GTP	C8-N7-C5	3.54	108.58	102.55
128	KI	501	GTP	C8-N7-C5	3.54	108.58	102.55
128	V8	501	GTP	C8-N7-C5	3.54	108.58	102.55
128	EH	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	W0	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	Es	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	NJ	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	Lu	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	Nh	501	GTP	C8-N7-C5	3.54	108.57	102.55
128	F0	501	GTP	C8-N7-C5	3.53	108.57	102.55
128	Cz	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	K0	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	B5	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	BW	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	Ew	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	Dt	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	Cv	502	GTP	C8-N7-C5	3.53	108.56	102.55
128	LX	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	NU	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	W5	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	Z2	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	2S	501	GTP	C8-N7-C5	3.53	108.56	102.55
128	Jl	502	GTP	C8-N7-C5	3.53	108.55	102.55
128	1L	501	GTP	C8-N7-C5	3.52	108.55	102.55
128	J0	501	GTP	C8-N7-C5	3.52	108.55	102.55
128	Ei	501	GTP	C8-N7-C5	3.52	108.55	102.55
128	H2	501	GTP	C8-N7-C5	3.52	108.54	102.55
128	B7	501	GTP	C8-N7-C5	3.52	108.54	102.55
128	8L	501	GTP	C8-N7-C5	3.52	108.54	102.55
128	N0	501	GTP	C8-N7-C5	3.51	108.53	102.55
128	FI	501	GTP	C8-N7-C5	3.51	108.53	102.55
128	U2	501	GTP	C8-N7-C5	3.51	108.52	102.55
128	KL	501	GTP	C8-N7-C5	3.51	108.52	102.55
128	Jj	501	GTP	C8-N7-C5	3.50	108.51	102.55
128	I8	501	GTP	C8-N7-C5	3.50	108.50	102.55
128	IX	501	GTP	C8-N7-C5	3.50	108.50	102.55
128	Z3	501	GTP	C8-N7-C5	3.49	108.50	102.55
128	S8	501	GTP	C8-N7-C5	3.49	108.50	102.55
128	K4	501	GTP	C8-N7-C5	3.49	108.49	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Az	501	GTP	C8-N7-C5	3.48	108.48	102.55
128	J2	501	GTP	C8-N7-C5	3.48	108.47	102.55
128	CX	501	GTP	C8-N7-C5	3.48	108.47	102.55
128	F8	501	GTP	C8-N7-C5	3.48	108.47	102.55
128	B0	501	GTP	C8-N7-C5	3.46	108.44	102.55
128	8H	501	GTP	C8-N7-C5	3.45	108.42	102.55
128	Iw	501	GTP	C8-N7-C5	3.44	108.41	102.55
128	0A	501	GTP	C8-N7-C5	3.44	108.41	102.55
128	0R	502	GTP	C8-N7-C5	3.44	108.40	102.55
128	El	501	GTP	C8-N7-C5	3.42	108.37	102.55
128	2Q	501	GTP	C8-N7-C5	3.41	108.36	102.55
129	0G	501	GDP	O3A-PA-O1A	-3.40	100.48	110.70
128	Eh	501	GTP	C8-N7-C5	3.37	108.28	102.55
128	NH	501	GTP	O2A-PA-O1A	-3.33	96.97	112.44
128	MG	501	GTP	C8-N7-C5	3.32	108.21	102.55
128	G3	502	GTP	C8-N7-C5	3.30	108.17	102.55
128	Z3	501	GTP	C5-C6-N1	3.13	120.05	114.07
128	GF	501	GTP	C5-C6-N1	3.12	120.03	114.07
128	At	501	GTP	C5-C6-N1	3.11	120.00	114.07
128	Ak	501	GTP	C2-N1-C6	-3.10	119.43	125.11
128	GD	501	GTP	C5-C6-N1	3.10	119.99	114.07
128	Bi	501	GTP	C2-N1-C6	-3.10	119.44	125.11
128	3S	501	GTP	C2-N1-C6	-3.09	119.45	125.11
128	CM	502	GTP	C5-C6-N1	3.09	119.96	114.07
128	3S	501	GTP	C5-C6-N1	3.09	119.96	114.07
128	Iw	501	GTP	C5-C6-N1	3.08	119.96	114.07
128	Bl	501	GTP	C2-N1-C6	-3.08	119.47	125.11
128	DR	501	GTP	C2-N1-C6	-3.08	119.47	125.11
128	DR	501	GTP	C5-C6-N1	3.08	119.95	114.07
128	Cz	501	GTP	C2-N1-C6	-3.08	119.47	125.11
128	Ay	502	GTP	C5-C6-N1	3.08	119.94	114.07
128	Cz	501	GTP	C5-C6-N1	3.08	119.94	114.07
128	Dz	501	GTP	C5-C6-N1	3.08	119.94	114.07
128	Ay	502	GTP	C2-N1-C6	-3.07	119.48	125.11
128	CG	501	GTP	C5-C6-N1	3.07	119.93	114.07
128	GI	501	GTP	C2-N1-C6	-3.07	119.49	125.11
128	MG	501	GTP	C5-C6-N1	3.07	119.93	114.07
128	EI	501	GTP	C5-C6-N1	3.06	119.90	114.07
128	BY	501	GTP	C5-C6-N1	3.05	119.90	114.07
128	GD	501	GTP	C2-N1-C6	-3.05	119.52	125.11
128	Fl	501	GTP	C2-N1-C6	-3.05	119.52	125.11
128	Ed	501	GTP	C5-C6-N1	3.05	119.89	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	FI	501	GTP	C5-C6-N1	3.05	119.89	114.07
128	CI	501	GTP	C5-C6-N1	3.05	119.89	114.07
128	GF	501	GTP	C2-N1-C6	-3.05	119.53	125.11
128	At	501	GTP	C2-N1-C6	-3.05	119.53	125.11
128	CM	502	GTP	C2-N1-C6	-3.05	119.53	125.11
128	2C	501	GTP	C5-C6-N1	3.04	119.88	114.07
128	Y4	501	GTP	C5-C6-N1	3.04	119.87	114.07
128	GB	501	GTP	C5-C6-N1	3.04	119.87	114.07
128	G3	502	GTP	C2-N1-C6	-3.04	119.55	125.11
128	Bi	501	GTP	C5-C6-N1	3.04	119.87	114.07
128	CG	501	GTP	C2-N1-C6	-3.04	119.55	125.11
128	Az	501	GTP	C5-C6-N1	3.04	119.86	114.07
128	0A	501	GTP	C2-N1-C6	-3.04	119.55	125.11
128	S2	501	GTP	C5-C6-N1	3.03	119.86	114.07
128	EU	501	GTP	C5-C6-N1	3.03	119.86	114.07
128	0O	501	GTP	C5-C6-N1	3.03	119.86	114.07
128	EI	501	GTP	C2-N1-C6	-3.03	119.56	125.11
128	GI	501	GTP	C5-C6-N1	3.03	119.86	114.07
128	T4	501	GTP	C2-N1-C6	-3.03	119.56	125.11
128	Ak	501	GTP	C5-C6-N1	3.03	119.85	114.07
128	GB	501	GTP	C2-N1-C6	-3.03	119.56	125.11
128	1G	501	GTP	C5-C6-N1	3.03	119.85	114.07
128	O6	501	GTP	C5-C6-N1	3.03	119.84	114.07
128	BJ	501	GTP	C5-C6-N1	3.03	119.84	114.07
128	3O	501	GTP	C5-C6-N1	3.02	119.84	114.07
128	Fr	501	GTP	C5-C6-N1	3.02	119.84	114.07
128	DG	501	GTP	C5-C6-N1	3.02	119.84	114.07
128	Dw	501	GTP	C5-C6-N1	3.02	119.84	114.07
128	Ee	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	1X	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	Cx	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	El	501	GTP	C2-N1-C6	-3.02	119.58	125.11
128	Bm	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	ED	501	GTP	C2-N1-C6	-3.02	119.58	125.11
128	Dr	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	EU	501	GTP	C2-N1-C6	-3.02	119.59	125.11
128	DT	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	Y6	501	GTP	C5-C6-N1	3.02	119.83	114.07
128	Df	501	GTP	C5-C6-N1	3.02	119.82	114.07
128	DK	501	GTP	C2-N1-C6	-3.01	119.59	125.11
128	Dk	501	GTP	C2-N1-C6	-3.01	119.59	125.11
128	Eh	501	GTP	C5-C6-N1	3.01	119.82	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	S2	501	GTP	C2-N1-C6	-3.01	119.59	125.11
128	BW	501	GTP	C5-C6-N1	3.01	119.82	114.07
128	Bl	501	GTP	C5-C6-N1	3.01	119.82	114.07
128	El	501	GTP	C5-C6-N1	3.01	119.82	114.07
128	0C	501	GTP	C5-C6-N1	3.01	119.81	114.07
129	Cx	502	GDP	C8-N7-C5	3.01	107.67	102.55
128	O8	501	GTP	C2-N1-C6	-3.01	119.60	125.11
129	0G	501	GDP	C2'-C3'-C4'	3.01	108.42	102.61
128	ER	501	GTP	C5-C6-N1	3.01	119.81	114.07
128	GH	501	GTP	C2-N1-C6	-3.01	119.61	125.11
128	T4	501	GTP	C5-C6-N1	3.01	119.80	114.07
128	R8	502	GTP	C2-N1-C6	-3.00	119.61	125.11
128	1H	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	Cg	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	BU	501	GTP	C2-N1-C6	-3.00	119.61	125.11
128	X7	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	Fi	501	GTP	C2-N1-C6	-3.00	119.61	125.11
128	1D	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	3C	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	2L	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	T6	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	Du	501	GTP	C5-C6-N1	3.00	119.80	114.07
128	Iw	501	GTP	C2-N1-C6	-3.00	119.62	125.11
129	FX	501	GDP	C8-N7-C5	3.00	107.66	102.55
128	BG	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	DG	501	GTP	C2-N1-C6	-3.00	119.62	125.11
128	L4	501	GTP	C2-N1-C6	-3.00	119.62	125.11
128	V2	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	3O	501	GTP	C2-N1-C6	-3.00	119.62	125.11
128	FE	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	Fp	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	X0	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	Bo	501	GTP	C2-N1-C6	-3.00	119.63	125.11
128	W8	501	GTP	C2-N1-C6	-3.00	119.63	125.11
128	GH	501	GTP	C5-C6-N1	3.00	119.79	114.07
128	EF	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	CU	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	Fl	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	BJ	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	K0	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	DH	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	Dk	501	GTP	C5-C6-N1	2.99	119.78	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Y1	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	EL	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	An	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	1X	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	Dr	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	T8	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	2L	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	Df	501	GTP	C2-N1-C6	-2.99	119.63	125.11
128	R8	502	GTP	C5-C6-N1	2.99	119.78	114.07
128	S0	501	GTP	C5-C6-N1	2.99	119.78	114.07
128	Cx	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	BG	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	De	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	Bo	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	Y6	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	Bh	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	3C	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	Ba	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	DK	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	BW	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	3M	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	BN	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	IW	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	BN	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	CK	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	T8	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	Di	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	O8	501	GTP	C5-C6-N1	2.99	119.77	114.07
128	An	501	GTP	C2-N1-C6	-2.99	119.64	125.11
128	EF	501	GTP	C5-C6-N1	2.98	119.77	114.07
128	Fx	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	J8	502	GTP	C5-C6-N1	2.98	119.76	114.07
128	X0	501	GTP	C2-N1-C6	-2.98	119.65	125.11
128	DM	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	Q6	501	GTP	C2-N1-C6	-2.98	119.65	125.11
128	DZ	501	GTP	C2-N1-C6	-2.98	119.65	125.11
128	Ni	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	W4	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	S0	501	GTP	C2-N1-C6	-2.98	119.65	125.11
128	Bu	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	0O	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	D7	501	GTP	C2-N1-C6	-2.98	119.66	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	1T	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	Ew	501	GTP	C5-C6-N1	2.98	119.76	114.07
128	Q6	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	3P	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	CX	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	U7	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	Bz	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	2K	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	0A	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	Dm	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	FG	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	Dm	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	J8	502	GTP	C2-N1-C6	-2.98	119.66	125.11
128	ED	501	GTP	C5-C6-N1	2.98	119.75	114.07
128	Cj	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	Az	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	CX	501	GTP	C2-N1-C6	-2.98	119.66	125.11
128	L6	501	GTP	C5-C6-N1	2.97	119.75	114.07
128	CI	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	Aj	501	GTP	C5-C6-N1	2.97	119.75	114.07
128	Fv	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	Cr	502	GTP	C5-C6-N1	2.97	119.74	114.07
128	D7	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	Li	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	IW	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	EL	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	1G	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	2E	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	Fi	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	Av	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	G7	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	C0	501	GTP	C5-C6-N1	2.97	119.74	114.07
128	DT	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	Fk	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	T6	501	GTP	C2-N1-C6	-2.97	119.67	125.11
128	Dt	501	GTP	C5-C6-N1	2.97	119.73	114.07
128	DE	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	BL	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	Ba	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	CK	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	F1	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	FW	501	GTP	C5-C6-N1	2.97	119.73	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	3P	501	GTP	C5-C6-N1	2.97	119.73	114.07
128	Z3	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	Ei	501	GTP	C5-C6-N1	2.97	119.73	114.07
128	1H	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	Du	501	GTP	C2-N1-C6	-2.97	119.68	125.11
128	BL	501	GTP	C5-C6-N1	2.96	119.73	114.07
128	G5	501	GTP	C5-C6-N1	2.96	119.73	114.07
128	D1	501	GTP	C5-C6-N1	2.96	119.73	114.07
128	Ft	501	GTP	C5-C6-N1	2.96	119.73	114.07
128	Ft	501	GTP	C2-N1-C6	-2.96	119.68	125.11
128	Ao	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	1L	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	Di	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	W5	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	DE	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	FW	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	Fe	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	L2	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	KU	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	N1	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	0Q	502	GTP	C5-C6-N1	2.96	119.72	114.07
128	B7	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	C1	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	Cg	501	GTP	C2-N1-C6	-2.96	119.69	125.11
129	D6	501	GDP	C8-N7-C5	2.96	107.59	102.55
128	Bw	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	Ii	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	FI	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	K6	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	C8	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	JK	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	0R	502	GTP	C5-C6-N1	2.96	119.72	114.07
128	2U	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	Cj	501	GTP	C5-C6-N1	2.96	119.72	114.07
128	CZ	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	F0	501	GTP	C2-N1-C6	-2.96	119.69	125.11
128	FV	501	GTP	C5-C6-N1	2.96	119.71	114.07
128	AT	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	Ag	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	DV	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	CR	502	GTP	C5-C6-N1	2.96	119.71	114.07
128	EQ	501	GTP	C5-C6-N1	2.96	119.71	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	LU	501	GTP	C5-C6-N1	2.96	119.71	114.07
128	Ci	501	GTP	C5-C6-N1	2.96	119.71	114.07
128	Jw	501	GTP	C5-C6-N1	2.96	119.71	114.07
129	Y2	501	GDP	C8-N7-C5	2.96	107.58	102.55
128	L2	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	U2	501	GTP	C5-C6-N1	2.96	119.71	114.07
128	L6	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	C1	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	Es	501	GTP	C2-N1-C6	-2.96	119.70	125.11
128	N0	501	GTP	C5-C6-N1	2.96	119.71	114.07
128	DX	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	U4	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	A2	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	E6	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	1W	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	Ct	501	GTP	C5-C6-N1	2.95	119.71	114.07
128	W2	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	BH	501	GTP	C2-N1-C6	-2.95	119.70	125.11
128	D5	501	GTP	C2-N1-C6	-2.95	119.70	125.11
128	Fp	501	GTP	C2-N1-C6	-2.95	119.70	125.11
128	Bu	501	GTP	C2-N1-C6	-2.95	119.70	125.11
128	D5	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	Fe	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	P6	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	1W	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	G7	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	V2	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	W4	501	GTP	C2-N1-C6	-2.95	119.71	125.11
129	CZ	502	GDP	C8-N7-C5	2.95	107.57	102.55
128	DV	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	De	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	Dz	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	D3	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	DZ	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	MT	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	Aj	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	3K	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	Bh	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	U2	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	L4	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	Ao	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	CE	502	GTP	C5-C6-N1	2.95	119.70	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Fc	501	GTP	C5-C6-N1	2.95	119.70	114.07
128	FE	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	O6	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	BU	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	M2	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	Eh	501	GTP	C2-N1-C6	-2.95	119.71	125.11
128	Bz	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	Cv	502	GTP	C2-N1-C6	-2.95	119.72	125.11
128	DH	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	1C	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	BB	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	1Q	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	B0	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	V3	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	Fr	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	KI	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	W2	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	A4	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	K7	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	O2	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	Cr	502	GTP	C2-N1-C6	-2.95	119.72	125.11
128	K0	501	GTP	C2-N1-C6	-2.95	119.72	125.11
128	F0	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	FJ	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	U9	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	Z0	501	GTP	C5-C6-N1	2.95	119.69	114.07
128	EV	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	Ee	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	I5	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	MH	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	Ag	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	Ce	502	GTP	C5-C6-N1	2.94	119.69	114.07
128	Z2	501	GTP	C2-N1-C6	-2.94	119.72	125.11
129	EU	502	GDP	C8-N7-C5	2.94	107.56	102.55
129	EY	502	GDP	C8-N7-C5	2.94	107.56	102.55
128	Q4	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	S9	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	W8	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	3I	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	Bf	502	GTP	C5-C6-N1	2.94	119.69	114.07
128	LJ	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	Fx	501	GTP	C2-N1-C6	-2.94	119.72	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Q4	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	Nh	501	GTP	C5-C6-N1	2.94	119.69	114.07
128	2E	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	Fg	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	I1	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	3A	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	IX	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	W5	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	Av	501	GTP	C2-N1-C6	-2.94	119.72	125.11
128	0M	501	GTP	C5-C6-N1	2.94	119.68	114.07
129	3C	502	GDP	C8-N7-C5	2.94	107.56	102.55
128	EH	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	EV	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	I8	501	GTP	C2-N1-C6	-2.94	119.73	125.11
129	U2	502	GDP	C8-N7-C5	2.94	107.55	102.55
128	P9	501	GTP	C5-C6-N1	2.94	119.68	114.07
128	1T	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	CU	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	C0	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	IX	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	I4	502	GTP	C5-C6-N1	2.94	119.68	114.07
128	0M	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	8L	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	B2	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	CS	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	A1	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	Cm	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	N8	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	Ci	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	S9	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	N1	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	DX	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	N8	501	GTP	C2-N1-C6	-2.94	119.73	125.11
128	FT	502	GTP	C5-C6-N1	2.94	119.67	114.07
128	8L	501	GTP	C2-N1-C6	-2.94	119.74	125.11
128	N0	501	GTP	C2-N1-C6	-2.94	119.74	125.11
128	BH	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	KU	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	U6	501	GTP	C5-C6-N1	2.94	119.67	114.07
128	3A	501	GTP	C2-N1-C6	-2.94	119.74	125.11
129	L6	502	GDP	C8-N7-C5	2.93	107.55	102.55
128	X4	501	GTP	C5-C6-N1	2.93	119.67	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	1L	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	By	502	GTP	C2-N1-C6	-2.93	119.74	125.11
128	Mu	501	GTP	C5-C6-N1	2.93	119.67	114.07
129	D4	501	GDP	C8-N7-C5	2.93	107.55	102.55
128	NJ	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	2G	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	Cm	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	O0	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	EY	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	F1	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	K9	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	Z2	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	BB	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	D3	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	EY	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	Z0	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	A1	501	GTP	C5-C6-N1	2.93	119.67	114.07
129	CR	501	GDP	C8-N7-C5	2.93	107.54	102.55
128	CR	502	GTP	C2-N1-C6	-2.93	119.74	125.11
128	FV	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	Li	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	KI	501	GTP	C5-C6-N1	2.93	119.67	114.07
128	Y4	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	H6	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	0K	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	KW	501	GTP	C2-N1-C6	-2.93	119.74	125.11
128	3G	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	3K	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	Ei	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	J4	501	GTP	C5-C6-N1	2.93	119.66	114.07
129	L4	502	GDP	C8-N7-C5	2.93	107.54	102.55
128	FJ	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	KL	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	Bf	502	GTP	C2-N1-C6	-2.93	119.75	125.11
128	W0	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	2W	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	2Y	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	Mh	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	3G	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	JX	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	MH	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	S5	501	GTP	C5-C6-N1	2.93	119.66	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Eq	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	Fk	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	I8	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	NW	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	R0	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	R4	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	2A	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	AT	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	1Q	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	A4	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	V8	501	GTP	C2-N1-C6	-2.93	119.75	125.11
129	Ce	501	GDP	C8-N7-C5	2.93	107.53	102.55
128	M6	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	NU	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	Fv	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	LJ	501	GTP	C2-N1-C6	-2.93	119.75	125.11
129	Fe	502	GDP	C8-N7-C5	2.93	107.53	102.55
128	N6	501	GTP	C5-C6-N1	2.93	119.66	114.07
128	Bb	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	Ce	502	GTP	C2-N1-C6	-2.93	119.75	125.11
129	Fi	502	GDP	C8-N7-C5	2.93	107.53	102.55
129	L2	502	GDP	C8-N7-C5	2.93	107.53	102.55
128	1N	501	GTP	C5-C6-N1	2.93	119.65	114.07
128	8M	501	GTP	C5-C6-N1	2.93	119.65	114.07
128	I5	501	GTP	C5-C6-N1	2.93	119.65	114.07
128	Nh	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	Jj	501	GTP	C2-N1-C6	-2.93	119.75	125.11
128	K4	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	W0	501	GTP	C5-C6-N1	2.92	119.65	114.07
129	Ci	502	GDP	C8-N7-C5	2.92	107.53	102.55
128	K6	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	FQ	501	GTP	C5-C6-N1	2.92	119.65	114.07
129	D8	501	GDP	C8-N7-C5	2.92	107.53	102.55
128	Fc	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	A9	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	KY	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	2G	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	0V	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	NS	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	B2	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	CS	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	Jl	502	GTP	C5-C6-N1	2.92	119.65	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Jy	501	GTP	C5-C6-N1	2.92	119.65	114.07
129	E2	501	GDP	C8-N7-C5	2.92	107.53	102.55
129	W8	502	GDP	C8-N7-C5	2.92	107.53	102.55
128	Bm	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	Y1	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	0Y	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	C5	501	GTP	C5-C6-N1	2.92	119.65	114.07
128	J2	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	M0	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	R6	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	2U	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	Dw	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	H2	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	1A	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	2K	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	I4	502	GTP	C2-N1-C6	-2.92	119.76	125.11
128	Jy	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	8I	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	Ik	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	P4	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	Z6	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	B7	501	GTP	C2-N1-C6	-2.92	119.76	125.11
128	H2	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	Kv	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	T2	501	GTP	C5-C6-N1	2.92	119.64	114.07
128	FG	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	G0	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	T2	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	V8	501	GTP	C5-C6-N1	2.92	119.64	114.07
129	H6	502	GDP	C8-N7-C5	2.92	107.52	102.55
129	IK	502	GDP	C8-N7-C5	2.92	107.52	102.55
128	U7	501	GTP	C2-N1-C6	-2.92	119.77	125.11
129	Z0	502	GDP	C8-N7-C5	2.92	107.52	102.55
128	8M	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	G1	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	C4	502	GTP	C5-C6-N1	2.92	119.64	114.07
128	2A	501	GTP	C2-N1-C6	-2.92	119.77	125.11
129	BK	501	GDP	C8-N7-C5	2.92	107.52	102.55
129	GJ	501	GDP	C8-N7-C5	2.92	107.52	102.55
128	H8	501	GTP	C5-C6-N1	2.92	119.64	114.07
129	1U	501	GDP	C8-N7-C5	2.92	107.51	102.55
129	Bn	501	GDP	C8-N7-C5	2.92	107.51	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	R8	503	GDP	C8-N7-C5	2.92	107.51	102.55
128	M4	501	GTP	C5-C6-N1	2.92	119.63	114.07
128	A2	501	GTP	C2-N1-C6	-2.92	119.77	125.11
129	CT	501	GDP	C8-N7-C5	2.92	107.51	102.55
129	Fk	502	GDP	C8-N7-C5	2.92	107.51	102.55
128	P8	501	GTP	C5-C6-N1	2.92	119.63	114.07
128	2Y	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	B0	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	JX	501	GTP	C2-N1-C6	-2.92	119.77	125.11
128	By	502	GTP	C5-C6-N1	2.92	119.63	114.07
128	I1	501	GTP	C2-N1-C6	-2.91	119.77	125.11
128	Z6	501	GTP	C2-N1-C6	-2.91	119.77	125.11
128	CZ	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	JI	502	GTP	C5-C6-N1	2.91	119.63	114.07
128	2C	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	NU	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	S8	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	FT	502	GTP	C2-N1-C6	-2.91	119.78	125.11
128	MT	501	GTP	C2-N1-C6	-2.91	119.78	125.11
129	GD	502	GDP	C8-N7-C5	2.91	107.51	102.55
128	I0	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	KW	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	MG	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	S5	501	GTP	C2-N1-C6	-2.91	119.78	125.11
129	O8	502	GDP	C8-N7-C5	2.91	107.51	102.55
128	2Q	501	GTP	C2-N1-C6	-2.91	119.78	125.11
129	CM	503	GDP	C8-N7-C5	2.91	107.51	102.55
129	EQ	502	GDP	C8-N7-C5	2.91	107.51	102.55
128	H3	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	KL	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	MV	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	Mt	501	GTP	C5-C6-N1	2.91	119.63	114.07
128	3M	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	IK	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	Y0	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	8H	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	C8	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	F8	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	K4	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	Mu	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	G0	501	GTP	C5-C6-N1	2.91	119.62	114.07
128	1C	501	GTP	C2-N1-C6	-2.91	119.78	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	I0	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	NS	501	GTP	C2-N1-C6	-2.91	119.78	125.11
129	MI	501	GDP	C8-N7-C5	2.91	107.50	102.55
128	G1	501	GTP	C5-C6-N1	2.91	119.62	114.07
128	IK	501	GTP	C5-C6-N1	2.91	119.62	114.07
129	ES	501	GDP	C8-N7-C5	2.91	107.50	102.55
128	CE	502	GTP	C2-N1-C6	-2.91	119.78	125.11
128	Dt	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	LU	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	P4	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	0I	502	GTP	C5-C6-N1	2.91	119.62	114.07
128	C9	501	GTP	C5-C6-N1	2.91	119.62	114.07
128	LX	501	GTP	C5-C6-N1	2.91	119.62	114.07
128	1D	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	U9	501	GTP	C2-N1-C6	-2.91	119.78	125.11
128	Kj	502	GTP	C5-C6-N1	2.91	119.62	114.07
129	BO	501	GDP	C8-N7-C5	2.91	107.50	102.55
129	Ba	502	GDP	C8-N7-C5	2.91	107.50	102.55
129	Y6	502	GDP	C8-N7-C5	2.91	107.50	102.55
128	ER	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	J6	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	JW	502	GTP	C5-C6-N1	2.91	119.62	114.07
129	EJ	501	GDP	C8-N7-C5	2.91	107.50	102.55
129	N6	502	GDP	C8-N7-C5	2.91	107.50	102.55
128	1S	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	Ew	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	EH	501	GTP	C5-C6-N1	2.91	119.62	114.07
129	DZ	502	GDP	C8-N7-C5	2.91	107.50	102.55
129	FG	502	GDP	C8-N7-C5	2.91	107.50	102.55
129	Kl	502	GDP	C8-N7-C5	2.91	107.50	102.55
129	MG	502	GDP	C8-N7-C5	2.91	107.50	102.55
128	D1	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	H6	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	Kl	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	Lu	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	J4	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	N6	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	Nf	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	U4	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	0K	501	GTP	C5-C6-N1	2.91	119.62	114.07
128	J2	501	GTP	C2-N1-C6	-2.91	119.79	125.11
129	N2	501	GDP	C8-N7-C5	2.91	107.50	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	0F	501	GTP	C5-C6-N1	2.91	119.61	114.07
128	1S	501	GTP	C5-C6-N1	2.91	119.61	114.07
128	Ii	501	GTP	C2-N1-C6	-2.91	119.79	125.11
129	FE	502	GDP	C8-N7-C5	2.91	107.50	102.55
128	J0	501	GTP	C2-N1-C6	-2.91	119.79	125.11
128	B5	501	GTP	C5-C6-N1	2.91	119.61	114.07
128	Lv	501	GTP	C5-C6-N1	2.91	119.61	114.07
128	Mg	501	GTP	C5-C6-N1	2.91	119.61	114.07
129	Cg	502	GDP	C8-N7-C5	2.90	107.50	102.55
128	1N	501	GTP	C2-N1-C6	-2.90	119.79	125.11
128	K7	501	GTP	C2-N1-C6	-2.90	119.79	125.11
128	Iy	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	J6	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	Ni	501	GTP	C2-N1-C6	-2.90	119.79	125.11
129	N0	502	GDP	C8-N7-C5	2.90	107.49	102.55
129	Nh	502	GDP	C8-N7-C5	2.90	107.49	102.55
128	Kx	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	R2	502	GTP	C5-C6-N1	2.90	119.61	114.07
129	DV	502	GDP	C8-N7-C5	2.90	107.49	102.55
129	O0	502	GDP	C8-N7-C5	2.90	107.49	102.55
128	Es	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	Y0	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	Jl	502	GTP	C2-N1-C6	-2.90	119.80	125.11
128	0V	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	B5	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	JW	502	GTP	C2-N1-C6	-2.90	119.80	125.11
129	GF	502	GDP	C8-N7-C5	2.90	107.49	102.55
129	H8	503	GDP	C8-N7-C5	2.90	107.49	102.55
128	0Q	502	GTP	C2-N1-C6	-2.90	119.80	125.11
128	M4	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	O2	501	GTP	C2-N1-C6	-2.90	119.80	125.11
129	R6	502	GDP	C8-N7-C5	2.90	107.49	102.55
128	J0	501	GTP	C5-C6-N1	2.90	119.61	114.07
128	Iy	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	Kv	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	Mt	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	NW	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	M7	501	GTP	C5-C6-N1	2.90	119.60	114.07
129	D2	501	GDP	C8-N7-C5	2.90	107.49	102.55
129	EW	501	GDP	C8-N7-C5	2.90	107.49	102.55
129	Q8	501	GDP	C8-N7-C5	2.90	107.49	102.55
128	LH	501	GTP	C2-N1-C6	-2.90	119.80	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Cv	502	GTP	C5-C6-N1	2.90	119.60	114.07
128	NJ	501	GTP	C5-C6-N1	2.90	119.60	114.07
129	CX	502	GDP	C8-N7-C5	2.90	107.49	102.55
129	Ct	502	GDP	C8-N7-C5	2.90	107.49	102.55
129	Ju	501	GDP	C8-N7-C5	2.90	107.49	102.55
128	V3	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	Jj	501	GTP	C5-C6-N1	2.90	119.60	114.07
129	BM	501	GDP	C8-N7-C5	2.90	107.48	102.55
129	CV	501	GDP	C8-N7-C5	2.90	107.48	102.55
129	Cz	502	GDP	C8-N7-C5	2.90	107.48	102.55
129	V8	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	Bw	501	GTP	C2-N1-C6	-2.90	119.80	125.11
128	K9	501	GTP	C2-N1-C6	-2.90	119.80	125.11
129	KY	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	A9	501	GTP	C2-N1-C6	-2.90	119.81	125.11
129	3A	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	Bb	501	GTP	C5-C6-N1	2.90	119.60	114.07
128	0C	501	GTP	C2-N1-C6	-2.90	119.81	125.11
128	Jw	501	GTP	C2-N1-C6	-2.90	119.81	125.11
128	R0	501	GTP	C2-N1-C6	-2.90	119.81	125.11
128	R6	501	GTP	C2-N1-C6	-2.90	119.81	125.11
129	ED	502	GDP	C8-N7-C5	2.90	107.48	102.55
129	Kx	502	GDP	C8-N7-C5	2.90	107.48	102.55
129	M2	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	S8	501	GTP	C5-C6-N1	2.90	119.60	114.07
129	G0	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	P6	501	GTP	C2-N1-C6	-2.90	119.81	125.11
129	KW	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	JK	501	GTP	C2-N1-C6	-2.90	119.81	125.11
128	R4	501	GTP	C2-N1-C6	-2.90	119.81	125.11
128	F8	501	GTP	C5-C6-N1	2.90	119.59	114.07
129	C8	502	GDP	C8-N7-C5	2.90	107.48	102.55
128	3I	501	GTP	C2-N1-C6	-2.89	119.81	125.11
129	F2	501	GDP	C8-N7-C5	2.89	107.48	102.55
129	K8	501	GDP	C8-N7-C5	2.89	107.48	102.55
128	2S	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	2I	501	GTP	C5-C6-N1	2.89	119.59	114.07
128	C5	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	G5	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	M2	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	X6	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	Kj	502	GTP	C2-N1-C6	-2.89	119.81	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Lh	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	P8	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	Z7	501	GTP	C2-N1-C6	-2.89	119.81	125.11
128	E1	501	GTP	C5-C6-N1	2.89	119.59	114.07
129	2S	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	3Q	501	GDP	C8-N7-C5	2.89	107.47	102.55
129	Mv	501	GDP	C8-N7-C5	2.89	107.47	102.55
128	O4	502	GTP	C2-N1-C6	-2.89	119.81	125.11
128	X6	501	GTP	C5-C6-N1	2.89	119.59	114.07
129	I0	502	GDP	C8-N7-C5	2.89	107.47	102.55
128	8I	501	GTP	C2-N1-C6	-2.89	119.82	125.11
128	Lv	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	FC	501	GDP	C8-N7-C5	2.89	107.47	102.55
129	Y4	502	GDP	C8-N7-C5	2.89	107.47	102.55
128	O0	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	Lw	501	GDP	C8-N7-C5	2.89	107.47	102.55
128	Kl	501	GTP	C5-C6-N1	2.89	119.58	114.07
128	M0	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	0K	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	E8	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	IW	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	NJ	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	X0	502	GDP	C8-N7-C5	2.89	107.47	102.55
128	E4	501	GTP	C5-C6-N1	2.89	119.58	114.07
128	KH	501	GTP	C5-C6-N1	2.89	119.58	114.07
128	2W	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	CG	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	Ej	501	GDP	C8-N7-C5	2.89	107.47	102.55
129	V4	501	GDP	C8-N7-C5	2.89	107.47	102.55
128	E0	502	GTP	C2-N1-C6	-2.89	119.82	125.11
128	2S	501	GTP	C5-C6-N1	2.89	119.58	114.07
128	0I	502	GTP	C2-N1-C6	-2.89	119.82	125.11
128	0R	502	GTP	C2-N1-C6	-2.89	119.82	125.11
128	1A	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	1A	502	GDP	C8-N7-C5	2.89	107.47	102.55
129	Cv	503	GDP	C8-N7-C5	2.89	107.47	102.55
128	F3	501	GTP	C2-N1-C6	-2.89	119.82	125.11
128	Ik	501	GTP	C2-N1-C6	-2.89	119.82	125.11
129	Q4	502	GDP	C8-N7-C5	2.89	107.47	102.55
128	0F	501	GTP	C2-N1-C6	-2.89	119.82	125.11
128	FQ	501	GTP	C2-N1-C6	-2.89	119.83	125.11
129	BG	502	GDP	C8-N7-C5	2.89	107.46	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	B1	501	GDP	C8-N7-C5	2.89	107.46	102.55
129	Dv	501	GDP	C8-N7-C5	2.89	107.46	102.55
129	NW	502	GDP	C8-N7-C5	2.89	107.46	102.55
128	Jh	501	GTP	C5-C6-N1	2.89	119.58	114.07
128	Z7	501	GTP	C5-C6-N1	2.89	119.58	114.07
129	KH	502	GDP	C8-N7-C5	2.89	107.46	102.55
128	Jh	501	GTP	C2-N1-C6	-2.89	119.83	125.11
128	Lh	501	GTP	C5-C6-N1	2.89	119.58	114.07
129	Fg	502	GDP	C8-N7-C5	2.89	107.46	102.55
128	E1	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	M7	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	Q2	501	GTP	C5-C6-N1	2.88	119.57	114.07
129	T0	501	GDP	C8-N7-C5	2.88	107.46	102.55
128	Mh	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	Eu	501	GTP	C5-C6-N1	2.88	119.57	114.07
128	DM	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	U6	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	Nf	501	GTP	C5-C6-N1	2.88	119.57	114.07
129	1K	501	GDP	C8-N7-C5	2.88	107.46	102.55
128	IL	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	LX	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	Q2	501	GTP	C2-N1-C6	-2.88	119.83	125.11
128	Fg	501	GTP	C2-N1-C6	-2.88	119.83	125.11
129	1Q	502	GDP	C8-N7-C5	2.88	107.46	102.55
129	Fp	502	GDP	C8-N7-C5	2.88	107.46	102.55
129	M8	501	GDP	C8-N7-C5	2.88	107.46	102.55
129	Y8	501	GDP	C8-N7-C5	2.88	107.46	102.55
128	MV	501	GTP	C2-N1-C6	-2.88	119.83	125.11
129	0C	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	N8	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	A7	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	Fx	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	M6	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	V6	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	X6	502	GDP	C8-N7-C5	2.88	107.45	102.55
128	IL	501	GTP	C5-C6-N1	2.88	119.57	114.07
128	JU	501	GTP	C5-C6-N1	2.88	119.57	114.07
129	A5	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	EL	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	Il	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	JL	501	GDP	C8-N7-C5	2.88	107.45	102.55
128	E4	501	GTP	C2-N1-C6	-2.88	119.84	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	KH	501	GTP	C2-N1-C6	-2.88	119.84	125.11
129	3I	502	GDP	C8-N7-C5	2.88	107.45	102.55
129	C4	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	Dz	502	GDP	C8-N7-C5	2.88	107.45	102.55
128	0Y	501	GTP	C2-N1-C6	-2.88	119.84	125.11
128	P9	501	GTP	C2-N1-C6	-2.88	119.84	125.11
129	Lu	502	GDP	C8-N7-C5	2.88	107.45	102.55
128	F5	501	GTP	C5-C6-N1	2.88	119.56	114.07
129	D0	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	Lj	501	GDP	C8-N7-C5	2.88	107.45	102.55
129	X8	501	GDP	C8-N7-C5	2.88	107.45	102.55
128	Kx	501	GTP	C2-N1-C6	-2.88	119.84	125.11
129	E4	502	GDP	C8-N7-C5	2.88	107.45	102.55
128	8H	501	GTP	C5-C6-N1	2.88	119.56	114.07
128	JI	502	GTP	C2-N1-C6	-2.88	119.84	125.11
128	LH	501	GTP	C5-C6-N1	2.88	119.56	114.07
129	8J	501	GDP	C8-N7-C5	2.88	107.44	102.55
129	Fr	502	GDP	C8-N7-C5	2.88	107.44	102.55
129	Q2	502	GDP	C8-N7-C5	2.88	107.44	102.55
129	Q6	502	GDP	C8-N7-C5	2.88	107.44	102.55
128	JU	501	GTP	C2-N1-C6	-2.88	119.85	125.11
128	M6	501	GTP	C2-N1-C6	-2.88	119.85	125.11
129	2E	502	GDP	C8-N7-C5	2.88	107.44	102.55
129	F6	501	GDP	C8-N7-C5	2.88	107.44	102.55
129	3G	502	GDP	C8-N7-C5	2.87	107.44	102.55
129	J8	503	GDP	C8-N7-C5	2.87	107.44	102.55
129	Jl	503	GDP	C8-N7-C5	2.87	107.44	102.55
129	P6	503	GDP	C8-N7-C5	2.87	107.44	102.55
128	O4	502	GTP	C5-C6-N1	2.87	119.55	114.07
129	An	502	GDP	C8-N7-C5	2.87	107.44	102.55
128	F5	501	GTP	C2-N1-C6	-2.87	119.85	125.11
128	C4	502	GTP	C2-N1-C6	-2.87	119.85	125.11
128	H8	501	GTP	C2-N1-C6	-2.87	119.85	125.11
129	1M	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	Jy	502	GDP	C8-N7-C5	2.87	107.44	102.55
129	Mt	502	GDP	C8-N7-C5	2.87	107.44	102.55
129	2C	502	GDP	C8-N7-C5	2.87	107.44	102.55
129	G4	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	8N	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	BI	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	Ij	501	GDP	C8-N7-C5	2.87	107.44	102.55
128	2I	501	GTP	C2-N1-C6	-2.87	119.86	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	C6	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	Dg	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	IM	501	GDP	C8-N7-C5	2.87	107.44	102.55
129	FR	501	GDP	C8-N7-C5	2.87	107.44	102.55
128	R2	502	GTP	C2-N1-C6	-2.87	119.86	125.11
129	DX	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	S0	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	2W	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	Cm	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	Dr	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	KU	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	Eh	502	GDP	C8-N7-C5	2.87	107.43	102.55
128	Ed	501	GTP	C2-N1-C6	-2.87	119.86	125.11
129	P8	502	GDP	C8-N7-C5	2.87	107.43	102.55
128	H3	501	GTP	C2-N1-C6	-2.87	119.86	125.11
129	Fv	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	L0	501	GDP	C8-N7-C5	2.87	107.43	102.55
129	V0	501	GDP	C8-N7-C5	2.87	107.43	102.55
129	B5	502	GDP	C8-N7-C5	2.87	107.43	102.55
129	G8	501	GDP	C8-N7-C5	2.87	107.43	102.55
128	2Q	501	GTP	C5-C6-N1	2.86	119.54	114.07
129	Ah	501	GDP	C8-N7-C5	2.86	107.43	102.55
128	C9	501	GTP	C2-N1-C6	-2.86	119.87	125.11
129	A9	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	J2	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	J6	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	LX	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	NH	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	Z6	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	Kj	503	GDP	C8-N7-C5	2.86	107.42	102.55
128	NF	501	GTP	C2-N1-C6	-2.86	119.87	125.11
128	F3	501	GTP	C5-C6-N1	2.86	119.53	114.07
129	A6	501	GDP	C8-N7-C5	2.86	107.42	102.55
129	Jw	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	LV	501	GDP	C8-N7-C5	2.86	107.42	102.55
129	1E	501	GDP	C8-N7-C5	2.86	107.42	102.55
129	2K	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	Kv	503	GDP	C8-N7-C5	2.86	107.42	102.55
129	U6	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	BS	501	GDP	C8-N7-C5	2.86	107.42	102.55
129	Eu	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	IY	501	GDP	C8-N7-C5	2.86	107.42	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	P4	503	GDP	C8-N7-C5	2.86	107.42	102.55
129	U4	502	GDP	C8-N7-C5	2.86	107.42	102.55
128	NF	501	GTP	C5-C6-N1	2.86	119.53	114.07
129	Di	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	Nj	501	GDP	C8-N7-C5	2.86	107.42	102.55
128	Ct	501	GTP	C2-N1-C6	-2.86	119.88	125.11
129	2U	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	DR	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	KJ	501	GDP	C8-N7-C5	2.86	107.42	102.55
129	NS	502	GDP	C8-N7-C5	2.86	107.42	102.55
128	X7	501	GTP	C2-N1-C6	-2.86	119.88	125.11
129	3O	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	0I	503	GDP	C8-N7-C5	2.86	107.42	102.55
129	3K	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	DE	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	Dk	502	GDP	C8-N7-C5	2.86	107.42	102.55
129	FT	503	GDP	C8-N7-C5	2.86	107.42	102.55
129	M0	502	GDP	C8-N7-C5	2.86	107.42	102.55
128	KY	501	GTP	C2-N1-C6	-2.86	119.88	125.11
129	S8	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	E0	501	GDP	C8-N7-C5	2.86	107.41	102.55
129	LJ	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	DG	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	GH	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	2Q	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	BW	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	DI	501	GDP	C8-N7-C5	2.86	107.41	102.55
129	K4	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	K6	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	NU	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	DT	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	X4	502	GDP	C8-N7-C5	2.86	107.41	102.55
129	2G	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	8L	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	CI	503	GDP	C8-N7-C5	2.85	107.41	102.55
129	Dx	501	GDP	C8-N7-C5	2.85	107.41	102.55
129	KL	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	T4	502	GDP	C8-N7-C5	2.85	107.41	102.55
128	E6	501	GTP	C2-N1-C6	-2.85	119.89	125.11
128	E0	502	GTP	C5-C6-N1	2.85	119.52	114.07
129	Iy	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	Kh	501	GDP	C8-N7-C5	2.85	107.41	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	MV	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	Nf	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	Bh	502	GDP	C8-N7-C5	2.85	107.41	102.55
129	S2	502	GDP	C8-N7-C5	2.85	107.41	102.55
128	EQ	501	GTP	C2-N1-C6	-2.85	119.89	125.11
129	X2	501	GDP	C8-N7-C5	2.85	107.41	102.55
129	W6	501	GDP	C8-N7-C5	2.85	107.41	102.55
128	Lu	501	GTP	C5-C6-N1	2.85	119.51	114.07
129	1O	501	GDP	C8-N7-C5	2.85	107.40	102.55
129	Bu	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	O2	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	3M	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	JU	503	GDP	C8-N7-C5	2.85	107.40	102.55
129	Jh	503	GDP	C8-N7-C5	2.85	107.40	102.55
128	Mg	501	GTP	C2-N1-C6	-2.85	119.89	125.11
129	Mi	501	GDP	C8-N7-C5	2.85	107.40	102.55
129	Fc	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	R0	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	2Y	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	3S	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	BB	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	Ck	501	GDP	C8-N7-C5	2.85	107.40	102.55
129	I8	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	Y0	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	Aj	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	Al	501	GDP	C8-N7-C5	2.85	107.40	102.55
129	0M	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	CK	502	GDP	C8-N7-C5	2.85	107.40	102.55
129	Q0	501	GDP	C8-N7-C5	2.85	107.40	102.55
129	8H	502	GDP	C8-N7-C5	2.85	107.39	102.55
129	U8	502	GDP	C8-N7-C5	2.85	107.39	102.55
129	JJ	501	GDP	C8-N7-C5	2.85	107.39	102.55
128	X4	501	GTP	C2-N1-C6	-2.85	119.90	125.11
129	Iw	502	GDP	C8-N7-C5	2.85	107.39	102.55
129	2M	501	GDP	C8-N7-C5	2.84	107.39	102.55
129	EF	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	2A	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	M4	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	B8	501	GDP	C8-N7-C5	2.84	107.39	102.55
129	JW	503	GDP	C8-N7-C5	2.84	107.39	102.55
129	JY	501	GDP	C8-N7-C5	2.84	107.39	102.55
129	B3	501	GDP	C8-N7-C5	2.84	107.39	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	FK	501	GDP	C8-N7-C5	2.84	107.39	102.55
129	K0	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	J4	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	Bs	501	GDP	C8-N7-C5	2.84	107.39	102.55
128	Eq	501	GTP	C2-N1-C6	-2.84	119.91	125.11
129	LT	501	GDP	C8-N7-C5	2.84	107.39	102.55
129	NF	502	GDP	C8-N7-C5	2.84	107.39	102.55
129	CE	501	GDP	C8-N7-C5	2.84	107.38	102.55
129	Z2	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	EH	502	GDP	C8-N7-C5	2.84	107.38	102.55
128	Eu	501	GTP	C2-N1-C6	-2.84	119.91	125.11
129	A3	501	GDP	C8-N7-C5	2.84	107.38	102.55
129	Dm	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	Jj	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	Bw	503	GDP	C8-N7-C5	2.84	107.38	102.55
129	DM	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	Mg	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	Z4	501	GDP	C8-N7-C5	2.84	107.38	102.55
129	AJ	501	GDP	C8-N7-C5	2.84	107.38	102.55
129	FV	502	GDP	C8-N7-C5	2.84	107.38	102.55
129	GB	502	GDP	C8-N7-C5	2.83	107.38	102.55
129	Au	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	MT	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	W0	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	Cr	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	DK	502	GDP	C8-N7-C5	2.83	107.37	102.55
128	BY	501	GTP	C2-N1-C6	-2.83	119.92	125.11
129	0E	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	I2	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	R4	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	Bj	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	T6	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	V2	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	0U	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	Bf	501	GDP	C8-N7-C5	2.83	107.37	102.55
129	Dt	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	1G	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	1S	502	GDP	C8-N7-C5	2.83	107.37	102.55
129	T2	502	GDP	C8-N7-C5	2.83	107.36	102.55
129	By	503	GDP	C8-N7-C5	2.83	107.36	102.55
129	C0	502	GDP	C8-N7-C5	2.83	107.36	102.55
129	Ay	503	GDP	C8-N7-C5	2.83	107.36	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	G6	501	GDP	C8-N7-C5	2.83	107.36	102.55
129	F8	502	GDP	C8-N7-C5	2.82	107.36	102.55
129	Ft	502	GDP	C8-N7-C5	2.82	107.36	102.55
129	LH	502	GDP	C8-N7-C5	2.82	107.36	102.55
129	C2	501	GDP	C8-N7-C5	2.82	107.35	102.55
129	H4	501	GDP	C8-N7-C5	2.82	107.35	102.55
129	1C	502	GDP	C8-N7-C5	2.82	107.35	102.55
129	F0	502	GDP	C8-N7-C5	2.82	107.35	102.55
129	B6	501	GDP	C8-N7-C5	2.82	107.35	102.55
129	W4	502	GDP	C8-N7-C5	2.82	107.35	102.55
129	R2	503	GDP	C8-N7-C5	2.82	107.35	102.55
129	De	502	GDP	C8-N7-C5	2.82	107.35	102.55
129	0Y	502	GDP	C8-N7-C5	2.82	107.34	102.55
129	W2	502	GDP	C8-N7-C5	2.82	107.34	102.55
129	0W	501	GDP	C8-N7-C5	2.82	107.34	102.55
129	E6	502	GDP	C8-N7-C5	2.82	107.34	102.55
129	1W	502	GDP	C8-N7-C5	2.81	107.34	102.55
129	0G	501	GDP	C8-N7-C5	2.81	107.34	102.55
129	S4	501	GDP	C8-N7-C5	2.81	107.33	102.55
129	A1	502	GDP	C8-N7-C5	2.81	107.33	102.55
129	Aw	501	GDP	C8-N7-C5	2.81	107.33	102.55
129	H2	502	GDP	C8-N7-C5	2.81	107.33	102.55
129	Bl	502	GDP	C8-N7-C5	2.81	107.33	102.55
129	J0	502	GDP	C8-N7-C5	2.81	107.33	102.55
129	2I	502	GDP	C8-N7-C5	2.81	107.33	102.55
129	S6	501	GDP	C8-N7-C5	2.81	107.33	102.55
128	NH	501	GTP	C2-N1-C6	-2.81	119.97	125.11
129	FI	502	GDP	C8-N7-C5	2.80	107.32	102.55
129	Ap	501	GDP	C8-N7-C5	2.80	107.32	102.55
129	T8	502	GDP	C8-N7-C5	2.80	107.32	102.55
129	BU	502	GDP	C8-N7-C5	2.80	107.32	102.55
128	E8	501	GTP	C8-N7-C5	2.80	107.32	102.55
129	Lh	502	GDP	C8-N7-C5	2.79	107.31	102.55
129	0S	501	GDP	C8-N7-C5	2.79	107.31	102.55
129	Z8	501	GDP	C8-N7-C5	2.79	107.30	102.55
129	G2	501	GDP	C8-N7-C5	2.79	107.30	102.55
129	Ef	501	GDP	C8-N7-C5	2.79	107.30	102.55
129	O6	502	GDP	C8-N7-C5	2.78	107.29	102.55
129	El	502	GDP	C8-N7-C5	2.78	107.28	102.55
129	D8	501	GDP	O4'-C1'-N9	2.77	112.42	108.75
129	I4	503	GDP	C8-N7-C5	2.77	107.26	102.55
129	BY	502	GDP	C8-N7-C5	2.77	107.26	102.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	0Q	503	GDP	C8-N7-C5	2.76	107.26	102.55
128	E8	501	GTP	N1-C2-N3	-2.76	118.26	123.32
129	FP	501	GDP	C8-N7-C5	2.76	107.25	102.55
129	O4	503	GDP	C8-N7-C5	2.75	107.22	102.55
129	Eq	502	GDP	C8-N7-C5	2.73	107.20	102.55
129	0O	502	GDP	C8-N7-C5	2.73	107.19	102.55
129	Es	502	GDP	C8-N7-C5	2.73	107.19	102.55
129	Ed	502	GDP	C8-N7-C5	2.69	107.13	102.55
128	ER	501	GTP	O4'-C1'-N9	2.69	112.31	108.75
129	0A	502	GDP	C8-N7-C5	2.67	107.10	102.55
129	Ew	502	GDP	C8-N7-C5	2.66	107.07	102.55
128	G3	502	GTP	O6-C6-C5	-2.60	119.17	124.32
128	X7	501	GTP	O4'-C1'-N9	2.60	112.19	108.75
128	Z3	501	GTP	O4'-C1'-N9	2.57	112.15	108.75
128	E8	501	GTP	C5-C6-N1	2.55	118.93	114.07
128	A2	501	GTP	O2B-PB-O3A	2.52	114.07	107.27
128	Ao	501	GTP	O2B-PB-O3A	2.44	113.87	107.27
128	MG	501	GTP	C4'-O4'-C1'	2.43	112.15	109.92
129	0E	501	GDP	C2'-C3'-C4'	2.39	107.24	102.61
128	BW	501	GTP	O4'-C1'-N9	2.38	111.90	108.75
128	G3	502	GTP	N1-C2-N3	-2.35	119.01	123.32
128	El	501	GTP	O2B-PB-O3B	2.35	113.62	107.27
128	ER	501	GTP	C4'-O4'-C1'	-2.35	107.78	109.92
128	BY	501	GTP	O4'-C1'-N9	2.33	111.84	108.75
129	D4	501	GDP	O4'-C1'-N9	2.33	111.84	108.75
128	NH	501	GTP	C5-C6-N1	2.33	118.52	114.07
129	U2	502	GDP	O4'-C1'-N9	2.33	111.84	108.75
128	0O	501	GTP	O4'-C1'-N9	2.32	111.82	108.75
128	2C	501	GTP	O4'-C1'-N9	2.32	111.82	108.75
129	D6	501	GDP	O4'-C1'-N9	2.28	111.78	108.75
129	0G	501	GDP	C5-C6-N1	2.28	118.42	114.07
128	NH	501	GTP	O2B-PB-O3A	2.28	113.44	107.27
128	3P	501	GTP	O4'-C1'-N9	2.28	111.77	108.75
128	Iw	501	GTP	O6-C6-C5	-2.27	119.82	124.32
128	GF	501	GTP	O4'-C1'-N9	2.27	111.75	108.75
129	0G	501	GDP	O6-C6-C5	-2.26	119.83	124.32
129	Dx	501	GDP	C5-C6-N1	2.26	118.39	114.07
128	DR	501	GTP	O6-C6-C5	-2.25	119.86	124.32
128	Z3	501	GTP	O6-C6-C5	-2.25	119.87	124.32
128	E8	501	GTP	O6-C6-C5	-2.25	119.87	124.32
128	S0	501	GTP	O6-C6-C5	-2.24	119.88	124.32
128	Az	501	GTP	O6-C6-C5	-2.24	119.88	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	IL	501	GTP	O2B-PB-O3A	2.23	113.29	107.27
128	Ee	501	GTP	O6-C6-C5	-2.22	119.91	124.32
128	Fl	501	GTP	O6-C6-C5	-2.22	119.92	124.32
128	EU	501	GTP	O6-C6-C5	-2.22	119.93	124.32
128	BY	501	GTP	O6-C6-C5	-2.21	119.93	124.32
128	DZ	501	GTP	O6-C6-C5	-2.20	119.95	124.32
129	V2	502	GDP	C5-C6-N1	2.20	118.27	114.07
128	C1	501	GTP	O6-C6-C5	-2.20	119.95	124.32
128	Q6	501	GTP	O6-C6-C5	-2.20	119.95	124.32
129	Cm	502	GDP	C5-C6-N1	2.20	118.26	114.07
128	Bz	501	GTP	O6-C6-C5	-2.20	119.97	124.32
129	A3	501	GDP	O3B-PB-O3A	2.19	111.99	104.64
129	3O	502	GDP	C5-C6-N1	2.19	118.25	114.07
128	Ao	501	GTP	O6-C6-C5	-2.19	119.97	124.32
128	CX	501	GTP	O6-C6-C5	-2.19	119.97	124.32
129	L4	502	GDP	C5-C6-N1	2.19	118.25	114.07
128	FI	501	GTP	O6-C6-C5	-2.19	119.98	124.32
128	N0	501	GTP	O6-C6-C5	-2.18	119.99	124.32
128	B0	501	GTP	O6-C6-C5	-2.18	119.99	124.32
128	R8	502	GTP	O6-C6-C5	-2.18	119.99	124.32
128	0Q	502	GTP	O6-C6-C5	-2.18	119.99	124.32
128	2L	501	GTP	O6-C6-C5	-2.18	119.99	124.32
128	2E	501	GTP	O6-C6-C5	-2.18	120.00	124.32
128	Ag	501	GTP	O6-C6-C5	-2.18	120.00	124.32
128	Aj	501	GTP	O6-C6-C5	-2.18	120.00	124.32
128	A2	501	GTP	O6-C6-C5	-2.18	120.00	124.32
128	Ed	501	GTP	O4'-C1'-N9	2.18	111.63	108.75
128	An	501	GTP	O6-C6-C5	-2.18	120.01	124.32
128	Cm	501	GTP	O6-C6-C5	-2.18	120.01	124.32
128	At	501	GTP	O6-C6-C5	-2.18	120.01	124.32
128	L2	501	GTP	O6-C6-C5	-2.17	120.01	124.32
128	Bu	501	GTP	O6-C6-C5	-2.17	120.02	124.32
129	2M	501	GDP	C5-C6-N1	2.17	118.21	114.07
129	Fk	502	GDP	C5-C6-N1	2.17	118.21	114.07
129	2I	502	GDP	C5-C6-N1	2.17	118.21	114.07
128	CG	501	GTP	O6-C6-C5	-2.17	120.02	124.32
128	K0	501	GTP	O6-C6-C5	-2.17	120.03	124.32
128	N8	501	GTP	O6-C6-C5	-2.17	120.03	124.32
128	GI	501	GTP	O6-C6-C5	-2.16	120.03	124.32
128	S2	501	GTP	O6-C6-C5	-2.16	120.03	124.32
128	Bm	501	GTP	O6-C6-C5	-2.16	120.03	124.32
129	D6	501	GDP	C5-C6-N1	2.16	118.19	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	2K	502	GDP	C5-C6-N1	2.16	118.19	114.07
129	GD	502	GDP	C5-C6-N1	2.16	118.19	114.07
128	0O	501	GTP	O2G-PG-O3B	2.16	111.88	104.64
128	DV	501	GTP	O6-C6-C5	-2.16	120.04	124.32
128	Z7	501	GTP	O6-C6-C5	-2.16	120.04	124.32
129	FG	502	GDP	C5-C6-N1	2.16	118.19	114.07
128	Fk	501	GTP	O2B-PB-O3B	2.16	113.11	107.27
129	EF	502	GDP	C5-C6-N1	2.16	118.19	114.07
128	IW	501	GTP	O6-C6-C5	-2.16	120.05	124.32
128	K4	501	GTP	O6-C6-C5	-2.16	120.05	124.32
129	X0	502	GDP	C5-C6-N1	2.16	118.18	114.07
128	DM	501	GTP	O6-C6-C5	-2.16	120.05	124.32
129	Cz	502	GDP	C5-C6-N1	2.16	118.18	114.07
128	Du	501	GTP	O6-C6-C5	-2.15	120.05	124.32
129	Ef	501	GDP	C5-C6-N1	2.15	118.18	114.07
128	Bh	501	GTP	O6-C6-C5	-2.15	120.05	124.32
128	DK	501	GTP	O6-C6-C5	-2.15	120.05	124.32
128	A4	501	GTP	O6-C6-C5	-2.15	120.05	124.32
128	JK	501	GTP	O6-C6-C5	-2.15	120.05	124.32
128	T8	501	GTP	O6-C6-C5	-2.15	120.05	124.32
129	Jw	502	GDP	C5-C6-N1	2.15	118.17	114.07
129	W8	502	GDP	C5-C6-N1	2.15	118.17	114.07
128	DE	501	GTP	O6-C6-C5	-2.15	120.06	124.32
128	KL	501	GTP	O6-C6-C5	-2.15	120.06	124.32
128	Li	501	GTP	O6-C6-C5	-2.15	120.06	124.32
129	W4	502	GDP	C5-C6-N1	2.15	118.17	114.07
129	CX	502	GDP	C5-C6-N1	2.15	118.17	114.07
128	Ci	501	GTP	O6-C6-C5	-2.15	120.06	124.32
129	FG	502	GDP	O2A-PA-O3A	2.15	113.08	107.27
129	ED	502	GDP	O4'-C1'-N9	2.15	111.59	108.75
128	U2	501	GTP	O6-C6-C5	-2.15	120.06	124.32
128	GH	501	GTP	O6-C6-C5	-2.15	120.06	124.32
129	DR	502	GDP	C5-C6-N1	2.15	118.16	114.07
128	G0	501	GTP	O6-C6-C5	-2.15	120.07	124.32
129	2W	502	GDP	C5-C6-N1	2.14	118.16	114.07
129	Dv	501	GDP	C5-C6-N1	2.14	118.16	114.07
129	Lu	502	GDP	C5-C6-N1	2.14	118.16	114.07
129	Q4	502	GDP	C5-C6-N1	2.14	118.16	114.07
128	F8	501	GTP	O6-C6-C5	-2.14	120.07	124.32
128	8H	501	GTP	O6-C6-C5	-2.14	120.07	124.32
128	S8	501	GTP	O6-C6-C5	-2.14	120.07	124.32
128	J2	501	GTP	O6-C6-C5	-2.14	120.08	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	D7	501	GTP	O6-C6-C5	-2.14	120.08	124.32
129	V0	501	GDP	C5-C6-N1	2.14	118.15	114.07
128	G5	501	GTP	O6-C6-C5	-2.14	120.08	124.32
129	B6	501	GDP	O3B-PB-O3A	2.14	111.81	104.64
129	D8	501	GDP	C5-C6-N1	2.14	118.15	114.07
128	1L	501	GTP	O6-C6-C5	-2.14	120.08	124.32
128	V2	501	GTP	O6-C6-C5	-2.14	120.08	124.32
129	H2	502	GDP	C5-C6-N1	2.14	118.15	114.07
128	Mh	501	GTP	O6-C6-C5	-2.14	120.08	124.32
128	DH	501	GTP	O6-C6-C5	-2.14	120.08	124.32
128	X0	501	GTP	O6-C6-C5	-2.14	120.08	124.32
128	De	501	GTP	O6-C6-C5	-2.14	120.08	124.32
128	8L	501	GTP	O6-C6-C5	-2.14	120.08	124.32
129	J8	503	GDP	C5-C6-N1	2.14	118.14	114.07
128	X4	501	GTP	O6-C6-C5	-2.14	120.09	124.32
128	Dz	501	GTP	O6-C6-C5	-2.14	120.09	124.32
128	Z6	501	GTP	O6-C6-C5	-2.14	120.09	124.32
129	R8	503	GDP	O3B-PB-O3A	2.13	111.79	104.64
128	Es	501	GTP	O2B-PB-O3B	2.13	113.04	107.27
128	Fr	501	GTP	O6-C6-C5	-2.13	120.09	124.32
128	I8	501	GTP	O6-C6-C5	-2.13	120.09	124.32
128	R6	501	GTP	O6-C6-C5	-2.13	120.09	124.32
129	W2	502	GDP	C5-C6-N1	2.13	118.14	114.07
128	1D	501	GTP	O6-C6-C5	-2.13	120.09	124.32
128	B7	501	GTP	O6-C6-C5	-2.13	120.09	124.32
128	IL	501	GTP	O6-C6-C5	-2.13	120.09	124.32
128	W5	501	GTP	O6-C6-C5	-2.13	120.09	124.32
129	Dg	501	GDP	C5-C6-N1	2.13	118.14	114.07
128	DG	501	GTP	O6-C6-C5	-2.13	120.10	124.32
129	Dt	502	GDP	C5-C6-N1	2.13	118.13	114.07
128	K7	501	GTP	O6-C6-C5	-2.13	120.10	124.32
128	A1	501	GTP	O6-C6-C5	-2.13	120.10	124.32
128	DT	501	GTP	O6-C6-C5	-2.13	120.10	124.32
129	Ci	502	GDP	C5-C6-N1	2.13	118.13	114.07
128	B5	501	GTP	O6-C6-C5	-2.13	120.10	124.32
129	Bl	502	GDP	C5-C6-N1	2.13	118.13	114.07
129	GB	502	GDP	C5-C6-N1	2.13	118.13	114.07
128	Ay	502	GTP	O6-C6-C5	-2.13	120.10	124.32
128	I1	501	GTP	O6-C6-C5	-2.13	120.10	124.32
128	M6	501	GTP	O6-C6-C5	-2.13	120.10	124.32
129	0O	502	GDP	C5-C6-N1	2.13	118.13	114.07
129	CG	502	GDP	C5-C6-N1	2.13	118.13	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	Ej	501	GDP	C5-C6-N1	2.13	118.13	114.07
128	T4	501	GTP	O6-C6-C5	-2.13	120.10	124.32
128	W4	501	GTP	O6-C6-C5	-2.13	120.10	124.32
129	Dk	502	GDP	C5-C6-N1	2.13	118.13	114.07
128	Dt	501	GTP	O6-C6-C5	-2.13	120.11	124.32
129	Jj	502	GDP	C5-C6-N1	2.13	118.13	114.07
128	BB	501	GTP	O6-C6-C5	-2.13	120.11	124.32
129	DK	502	GDP	C5-C6-N1	2.13	118.12	114.07
129	I4	503	GDP	C5-C6-N1	2.13	118.12	114.07
128	0R	502	GTP	O6-C6-C5	-2.12	120.11	124.32
128	0C	501	GTP	O2B-PB-O3A	2.12	113.02	107.27
129	DX	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	CE	501	GDP	C5-C6-N1	2.12	118.12	114.07
129	CR	501	GDP	C5-C6-N1	2.12	118.12	114.07
129	Dz	502	GDP	C5-C6-N1	2.12	118.12	114.07
128	Es	501	GTP	O6-C6-C5	-2.12	120.11	124.32
129	L2	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	Mt	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	W6	501	GDP	C5-C6-N1	2.12	118.12	114.07
128	DX	501	GTP	O6-C6-C5	-2.12	120.11	124.32
128	Dr	501	GTP	O6-C6-C5	-2.12	120.11	124.32
129	Fg	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	E6	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	EL	502	GDP	C5-C6-N1	2.12	118.12	114.07
129	DG	502	GDP	C5-C6-N1	2.12	118.11	114.07
129	EU	502	GDP	C5-C6-N1	2.12	118.11	114.07
128	H6	501	GTP	O6-C6-C5	-2.12	120.12	124.32
128	CU	501	GTP	O6-C6-C5	-2.12	120.12	124.32
128	F5	501	GTP	O6-C6-C5	-2.12	120.12	124.32
129	An	502	GDP	C5-C6-N1	2.12	118.11	114.07
129	0C	502	GDP	C5-C6-N1	2.12	118.11	114.07
129	NF	502	GDP	C5-C6-N1	2.12	118.11	114.07
128	8I	501	GTP	O6-C6-C5	-2.12	120.12	124.32
128	JI	502	GTP	O6-C6-C5	-2.12	120.12	124.32
128	NJ	501	GTP	O6-C6-C5	-2.12	120.12	124.32
128	3C	501	GTP	O6-C6-C5	-2.12	120.12	124.32
128	0V	501	GTP	O6-C6-C5	-2.12	120.12	124.32
129	Q6	502	GDP	C5-C6-N1	2.12	118.11	114.07
128	0K	501	GTP	O6-C6-C5	-2.12	120.13	124.32
128	CM	502	GTP	O6-C6-C5	-2.12	120.13	124.32
128	V3	501	GTP	O6-C6-C5	-2.11	120.13	124.32
129	Kh	501	GDP	C5-C6-N1	2.11	118.10	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Cr	502	GTP	O2B-PB-O3B	2.11	112.99	107.27
128	Ft	501	GTP	O6-C6-C5	-2.11	120.13	124.32
129	LX	502	GDP	C5-C6-N1	2.11	118.10	114.07
129	3K	502	GDP	C5-C6-N1	2.11	118.10	114.07
128	Ew	501	GTP	O6-C6-C5	-2.11	120.13	124.32
129	Bf	501	GDP	C5-C6-N1	2.11	118.10	114.07
129	IY	501	GDP	C5-C6-N1	2.11	118.10	114.07
129	3Q	501	GDP	C5-C6-N1	2.11	118.10	114.07
129	D0	501	GDP	C5-C6-N1	2.11	118.10	114.07
129	V4	501	GDP	C5-C6-N1	2.11	118.10	114.07
128	H2	501	GTP	O6-C6-C5	-2.11	120.13	124.32
129	C2	501	GDP	C5-C6-N1	2.11	118.10	114.07
129	DZ	502	GDP	C5-C6-N1	2.11	118.10	114.07
129	K4	502	GDP	C5-C6-N1	2.11	118.10	114.07
128	IL	501	GTP	C4'-O4'-C1'	2.11	111.86	109.92
129	B8	501	GDP	C5-C6-N1	2.11	118.10	114.07
128	Nh	501	GTP	O6-C6-C5	-2.11	120.14	124.32
128	Y0	501	GTP	O6-C6-C5	-2.11	120.14	124.32
129	CM	503	GDP	C5-C6-N1	2.11	118.09	114.07
129	H6	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	CV	501	GDP	C5-C6-N1	2.11	118.09	114.07
128	Jy	501	GTP	O6-C6-C5	-2.11	120.14	124.32
129	KU	502	GDP	C5-C6-N1	2.11	118.09	114.07
128	AT	501	GTP	O6-C6-C5	-2.11	120.14	124.32
129	2U	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	N0	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	O0	502	GDP	C5-C6-N1	2.11	118.09	114.07
128	Ce	502	GTP	O6-C6-C5	-2.11	120.14	124.32
128	Ni	501	GTP	O6-C6-C5	-2.11	120.14	124.32
128	Y6	501	GTP	O6-C6-C5	-2.11	120.14	124.32
129	Ba	502	GDP	C5-C6-N1	2.11	118.09	114.07
128	Cj	501	GTP	O6-C6-C5	-2.11	120.14	124.32
128	IK	501	GTP	O6-C6-C5	-2.11	120.14	124.32
129	C0	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	E0	501	GDP	C5-C6-N1	2.11	118.09	114.07
129	FT	503	GDP	C5-C6-N1	2.11	118.09	114.07
129	LT	501	GDP	C5-C6-N1	2.11	118.09	114.07
128	G7	501	GTP	O6-C6-C5	-2.11	120.14	124.32
128	GB	501	GTP	O2G-PG-O3B	2.11	111.70	104.64
128	Eu	501	GTP	O6-C6-C5	-2.11	120.15	124.32
129	2A	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	A6	501	GDP	C5-C6-N1	2.11	118.09	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	FV	502	GDP	C5-C6-N1	2.11	118.09	114.07
129	I2	501	GDP	C5-C6-N1	2.11	118.09	114.07
128	Dw	501	GTP	O6-C6-C5	-2.11	120.15	124.32
128	GB	501	GTP	O6-C6-C5	-2.11	120.15	124.32
129	Au	501	GDP	C5-C6-N1	2.10	118.08	114.07
129	LV	501	GDP	C5-C6-N1	2.10	118.08	114.07
128	Ik	501	GTP	O6-C6-C5	-2.10	120.15	124.32
128	IX	501	GTP	O6-C6-C5	-2.10	120.15	124.32
129	Fe	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	1U	501	GDP	C5-C6-N1	2.10	118.08	114.07
129	DT	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	Kl	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	T6	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	Y6	502	GDP	C5-C6-N1	2.10	118.08	114.07
128	Jl	502	GTP	O6-C6-C5	-2.10	120.15	124.32
129	EH	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	GJ	501	GDP	C5-C6-N1	2.10	118.08	114.07
129	R8	503	GDP	C5-C6-N1	2.10	118.08	114.07
128	Jj	501	GTP	O6-C6-C5	-2.10	120.15	124.32
128	R2	502	GTP	O6-C6-C5	-2.10	120.15	124.32
128	2S	501	GTP	O6-C6-C5	-2.10	120.15	124.32
129	BM	501	GDP	C5-C6-N1	2.10	118.08	114.07
129	FR	501	GDP	C5-C6-N1	2.10	118.08	114.07
128	2G	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	Kx	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	Ct	502	GDP	C5-C6-N1	2.10	118.08	114.07
129	Dr	502	GDP	C5-C6-N1	2.10	118.08	114.07
128	Bo	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	BK	501	GDP	C5-C6-N1	2.10	118.08	114.07
128	A9	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	P6	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	P9	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	I5	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	T8	502	GDP	C5-C6-N1	2.10	118.08	114.07
128	U7	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	Aw	501	GDP	C5-C6-N1	2.10	118.07	114.07
129	ES	501	GDP	C5-C6-N1	2.10	118.07	114.07
128	3K	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	EH	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	DI	501	GDP	C5-C6-N1	2.10	118.07	114.07
129	1A	502	GDP	O3B-PB-O3A	2.10	111.67	104.64
129	Lw	501	GDP	C5-C6-N1	2.10	118.07	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	B5	501	GTP	O2B-PB-O3B	2.10	112.94	107.27
128	By	502	GTP	O6-C6-C5	-2.10	120.16	124.32
128	J6	501	GTP	O6-C6-C5	-2.10	120.16	124.32
128	Z0	501	GTP	O6-C6-C5	-2.10	120.16	124.32
129	Ap	501	GDP	C5-C6-N1	2.10	118.07	114.07
129	Q2	502	GDP	O3B-PB-O3A	2.10	111.67	104.64
129	O2	502	GDP	C5-C6-N1	2.10	118.07	114.07
128	L6	501	GTP	O6-C6-C5	-2.10	120.17	124.32
128	2C	501	GTP	O6-C6-C5	-2.10	120.17	124.32
128	Fp	501	GTP	O6-C6-C5	-2.10	120.17	124.32
129	0O	502	GDP	O6-C6-C5	-2.10	120.17	124.32
129	Fv	502	GDP	C5-C6-N1	2.09	118.07	114.07
129	Bu	502	GDP	C5-C6-N1	2.09	118.06	114.07
128	FG	501	GTP	O6-C6-C5	-2.09	120.17	124.32
129	Fp	502	GDP	C5-C6-N1	2.09	118.06	114.07
128	C0	501	GTP	O6-C6-C5	-2.09	120.17	124.32
129	BS	501	GDP	C5-C6-N1	2.09	118.06	114.07
129	EW	501	GDP	C5-C6-N1	2.09	118.06	114.07
128	KH	501	GTP	O6-C6-C5	-2.09	120.17	124.32
129	2Y	502	GDP	C5-C6-N1	2.09	118.06	114.07
129	X8	501	GDP	C5-C6-N1	2.09	118.06	114.07
129	Fc	502	GDP	C5-C6-N1	2.09	118.06	114.07
129	S6	501	GDP	C5-C6-N1	2.09	118.06	114.07
128	GD	501	GTP	O6-C6-C5	-2.09	120.17	124.32
128	LX	501	GTP	O6-C6-C5	-2.09	120.17	124.32
129	3A	502	GDP	C5-C6-N1	2.09	118.06	114.07
129	Cx	502	GDP	C5-C6-N1	2.09	118.06	114.07
129	FE	502	GDP	C5-C6-N1	2.09	118.06	114.07
128	Ak	501	GTP	O6-C6-C5	-2.09	120.18	124.32
128	CS	501	GTP	O6-C6-C5	-2.09	120.18	124.32
128	Dm	501	GTP	O6-C6-C5	-2.09	120.18	124.32
128	KU	501	GTP	O6-C6-C5	-2.09	120.18	124.32
129	LJ	502	GDP	C5-C6-N1	2.09	118.06	114.07
128	Kv	501	GTP	O6-C6-C5	-2.09	120.18	124.32
129	Y0	502	GDP	C5-C6-N1	2.09	118.06	114.07
128	NH	501	GTP	O5'-C5'-C4'	2.09	116.11	108.99
128	0I	502	GTP	O6-C6-C5	-2.09	120.18	124.32
129	2G	502	GDP	C5-C6-N1	2.09	118.05	114.07
129	Y4	502	GDP	C5-C6-N1	2.09	118.05	114.07
128	Y1	501	GTP	O6-C6-C5	-2.09	120.18	124.32
129	2C	502	GDP	C5-C6-N1	2.09	118.05	114.07
129	Jl	503	GDP	C5-C6-N1	2.09	118.05	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	FC	501	GDP	C5-C6-N1	2.09	118.05	114.07
129	X6	502	GDP	C5-C6-N1	2.09	118.05	114.07
129	Fx	502	GDP	C5-C6-N1	2.09	118.05	114.07
129	K8	501	GDP	C5-C6-N1	2.09	118.05	114.07
129	X2	501	GDP	C5-C6-N1	2.09	118.05	114.07
128	LH	501	GTP	O6-C6-C5	-2.09	120.19	124.32
128	Nf	501	GTP	O6-C6-C5	-2.09	120.19	124.32
129	Mv	501	GDP	C5-C6-N1	2.09	118.05	114.07
128	BG	501	GTP	O4'-C1'-N9	2.09	111.51	108.75
129	B1	501	GDP	C5-C6-N1	2.08	118.05	114.07
129	T4	502	GDP	C5-C6-N1	2.08	118.05	114.07
128	Q2	501	GTP	O6-C6-C5	-2.08	120.19	124.32
128	W8	501	GTP	O6-C6-C5	-2.08	120.19	124.32
129	C6	501	GDP	C5-C6-N1	2.08	118.05	114.07
129	J6	502	GDP	C5-C6-N1	2.08	118.05	114.07
128	MT	501	GTP	O6-C6-C5	-2.08	120.19	124.32
128	A2	501	GTP	C4'-O4'-C1'	2.08	111.83	109.92
129	GH	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	JY	501	GDP	C5-C6-N1	2.08	118.04	114.07
129	KW	502	GDP	C5-C6-N1	2.08	118.04	114.07
128	C4	502	GTP	O6-C6-C5	-2.08	120.19	124.32
128	MG	501	GTP	O6-C6-C5	-2.08	120.19	124.32
129	A9	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	DM	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	Ed	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	Q8	501	GDP	C5-C6-N1	2.08	118.04	114.07
128	G1	501	GTP	O6-C6-C5	-2.08	120.19	124.32
129	EQ	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	J0	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	MI	501	GDP	C5-C6-N1	2.08	118.04	114.07
129	NS	502	GDP	C5-C6-N1	2.08	118.04	114.07
128	3G	501	GTP	O6-C6-C5	-2.08	120.19	124.32
128	EI	501	GTP	O6-C6-C5	-2.08	120.19	124.32
128	Mg	501	GTP	O6-C6-C5	-2.08	120.19	124.32
129	1G	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	Cg	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	B6	501	GDP	C5-C6-N1	2.08	118.04	114.07
129	G8	501	GDP	C5-C6-N1	2.08	118.04	114.07
128	Dz	501	GTP	O2G-PG-O3B	2.08	111.61	104.64
129	2S	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	Bw	503	GDP	C5-C6-N1	2.08	118.04	114.07
128	Jw	501	GTP	O6-C6-C5	-2.08	120.20	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	T6	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	Lh	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	CK	502	GDP	C5-C6-N1	2.08	118.04	114.07
129	U2	502	GDP	C5-C6-N1	2.08	118.04	114.07
128	Av	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	FG	502	GDP	O3B-PB-O3A	2.08	111.61	104.64
129	B3	501	GDP	C5-C6-N1	2.08	118.04	114.07
129	0U	501	GDP	C5-C6-N1	2.08	118.03	114.07
128	2I	501	GTP	O6-C6-C5	-2.08	120.20	124.32
128	Cg	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	KH	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	KY	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	U8	502	GDP	C5-C6-N1	2.08	118.03	114.07
128	Lv	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	Ce	501	GDP	C5-C6-N1	2.08	118.03	114.07
129	JU	503	GDP	C5-C6-N1	2.08	118.03	114.07
128	Bi	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	BG	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	IW	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	O8	502	GDP	C5-C6-N1	2.08	118.03	114.07
128	2U	501	GTP	O6-C6-C5	-2.08	120.20	124.32
128	J8	502	GTP	O6-C6-C5	-2.08	120.20	124.32
129	Jy	502	GDP	C5-C6-N1	2.08	118.03	114.07
128	1H	501	GTP	O6-C6-C5	-2.08	120.20	124.32
128	EF	501	GTP	O6-C6-C5	-2.08	120.20	124.32
128	El	501	GTP	O6-C6-C5	-2.08	120.20	124.32
129	Z0	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	Z8	501	GDP	C5-C6-N1	2.08	118.03	114.07
128	X6	501	GTP	O6-C6-C5	-2.08	120.21	124.32
129	K0	502	GDP	C5-C6-N1	2.08	118.03	114.07
129	0Y	502	GDP	C5-C6-N1	2.07	118.03	114.07
129	1E	501	GDP	C5-C6-N1	2.07	118.03	114.07
129	G2	501	GDP	C5-C6-N1	2.07	118.03	114.07
128	Fx	501	GTP	O6-C6-C5	-2.07	120.21	124.32
128	M2	501	GTP	O6-C6-C5	-2.07	120.21	124.32
129	CI	503	GDP	C5-C6-N1	2.07	118.03	114.07
128	0A	501	GTP	O6-C6-C5	-2.07	120.21	124.32
129	FK	501	GDP	C5-C6-N1	2.07	118.03	114.07
129	S2	502	GDP	C5-C6-N1	2.07	118.03	114.07
129	Z4	501	GDP	C5-C6-N1	2.07	118.03	114.07
128	NS	501	GTP	O6-C6-C5	-2.07	120.21	124.32
129	BW	502	GDP	C5-C6-N1	2.07	118.03	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	De	502	GDP	C5-C6-N1	2.07	118.03	114.07
129	F6	501	GDP	C5-C6-N1	2.07	118.03	114.07
129	Dm	502	GDP	C5-C6-N1	2.07	118.02	114.07
128	Lh	501	GTP	O6-C6-C5	-2.07	120.21	124.32
129	Lj	501	GDP	C5-C6-N1	2.07	118.02	114.07
128	FJ	501	GTP	O6-C6-C5	-2.07	120.21	124.32
128	B2	501	GTP	O6-C6-C5	-2.07	120.21	124.32
128	Q4	501	GTP	O6-C6-C5	-2.07	120.21	124.32
129	El	502	GDP	C5-C6-N1	2.07	118.02	114.07
128	Eq	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	Jh	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	1A	502	GDP	C5-C6-N1	2.07	118.02	114.07
129	T0	501	GDP	C5-C6-N1	2.07	118.02	114.07
129	Y8	501	GDP	C5-C6-N1	2.07	118.02	114.07
129	Z2	502	GDP	C5-C6-N1	2.07	118.02	114.07
128	BY	501	GTP	N1-C2-N3	-2.07	119.53	123.32
128	Dk	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	BU	502	GDP	C5-C6-N1	2.07	118.02	114.07
128	J0	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	2Q	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	W2	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	A3	501	GDP	C5-C6-N1	2.07	118.02	114.07
129	N2	501	GDP	C5-C6-N1	2.07	118.02	114.07
128	Bl	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	I4	502	GTP	O6-C6-C5	-2.07	120.22	124.32
129	Fi	502	GDP	C5-C6-N1	2.07	118.02	114.07
129	M2	502	GDP	C5-C6-N1	2.07	118.02	114.07
128	R0	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	0S	501	GDP	C2'-C3'-C4'	2.07	106.60	102.61
128	K6	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	A5	501	GDP	C5-C6-N1	2.07	118.01	114.07
128	JU	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	Al	501	GDP	C5-C6-N1	2.07	118.01	114.07
129	Cv	503	GDP	C5-C6-N1	2.07	118.01	114.07
128	3S	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	E1	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	Lu	501	GTP	O6-C6-C5	-2.07	120.22	124.32
128	P8	501	GTP	O6-C6-C5	-2.07	120.22	124.32
129	1C	502	GDP	C5-C6-N1	2.07	118.01	114.07
129	1K	501	GDP	C5-C6-N1	2.07	118.01	114.07
129	BB	502	GDP	C5-C6-N1	2.07	118.01	114.07
128	F1	501	GTP	O6-C6-C5	-2.07	120.23	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Fv	501	GTP	O6-C6-C5	-2.07	120.23	124.32
128	NU	501	GTP	O6-C6-C5	-2.07	120.23	124.32
129	IM	501	GDP	C5-C6-N1	2.07	118.01	114.07
128	E4	501	GTP	O6-C6-C5	-2.06	120.23	124.32
129	3M	502	GDP	C5-C6-N1	2.06	118.01	114.07
129	B5	502	GDP	C5-C6-N1	2.06	118.01	114.07
129	Bs	501	GDP	C5-C6-N1	2.06	118.01	114.07
129	FI	502	GDP	C5-C6-N1	2.06	118.01	114.07
129	L0	501	GDP	C5-C6-N1	2.06	118.01	114.07
128	F3	501	GTP	O6-C6-C5	-2.06	120.23	124.32
128	FG	501	GTP	O2G-PG-O3B	2.06	111.56	104.64
129	Aj	502	GDP	C5-C6-N1	2.06	118.01	114.07
129	Ft	502	GDP	C5-C6-N1	2.06	118.01	114.07
128	O4	502	GTP	O6-C6-C5	-2.06	120.23	124.32
129	Ju	501	GDP	C5-C6-N1	2.06	118.01	114.07
128	1T	501	GTP	O6-C6-C5	-2.06	120.23	124.32
129	Nh	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	Jh	503	GDP	C5-C6-N1	2.06	118.00	114.07
128	1G	501	GTP	O6-C6-C5	-2.06	120.23	124.32
129	F8	502	GDP	C5-C6-N1	2.06	118.00	114.07
128	Z2	501	GTP	O6-C6-C5	-2.06	120.23	124.32
129	Kx	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	Nj	501	GDP	C5-C6-N1	2.06	118.00	114.07
129	Fr	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	J4	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	X4	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	By	503	GDP	C5-C6-N1	2.06	118.00	114.07
128	E6	501	GTP	O4'-C1'-N9	2.06	111.48	108.75
128	V8	501	GTP	O6-C6-C5	-2.06	120.24	124.32
128	1S	501	GTP	O6-C6-C5	-2.06	120.24	124.32
129	ED	502	GDP	C5-C6-N1	2.06	118.00	114.07
128	R8	502	GTP	O2A-PA-O3A	2.06	112.84	107.27
128	JW	502	GTP	O6-C6-C5	-2.06	120.24	124.32
128	NF	501	GTP	O6-C6-C5	-2.06	120.24	124.32
129	I0	502	GDP	C5-C6-N1	2.06	118.00	114.07
129	Nf	502	GDP	C5-C6-N1	2.06	118.00	114.07
128	KW	501	GTP	O6-C6-C5	-2.06	120.24	124.32
128	LJ	501	GTP	O6-C6-C5	-2.06	120.24	124.32
129	Eh	502	GDP	C5-C6-N1	2.06	118.00	114.07
128	EL	501	GTP	O6-C6-C5	-2.06	120.24	124.32
128	Eh	501	GTP	O6-C6-C5	-2.06	120.24	124.32
128	I0	501	GTP	O6-C6-C5	-2.06	120.24	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
128	Mt	501	GTP	O6-C6-C5	-2.06	120.24	124.32
128	Eq	501	GTP	O2B-PB-O3B	2.06	112.83	107.27
128	Kj	502	GTP	O6-C6-C5	-2.06	120.24	124.32
129	3I	502	GDP	C5-C6-N1	2.06	117.99	114.07
129	8J	501	GDP	C5-C6-N1	2.06	117.99	114.07
129	Ij	501	GDP	C5-C6-N1	2.06	117.99	114.07
129	Mi	501	GDP	C5-C6-N1	2.06	117.99	114.07
128	FV	501	GTP	O6-C6-C5	-2.06	120.25	124.32
128	Iy	501	GTP	O6-C6-C5	-2.06	120.25	124.32
128	NH	501	GTP	O2B-PB-O3B	2.06	112.83	107.27
129	Il	501	GDP	C5-C6-N1	2.06	117.99	114.07
128	0M	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	Df	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	MH	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	U6	501	GTP	O6-C6-C5	-2.05	120.25	124.32
129	C8	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	I8	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	L6	502	GDP	C5-C6-N1	2.05	117.99	114.07
128	H8	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	U9	501	GTP	O6-C6-C5	-2.05	120.25	124.32
129	G6	501	GDP	C5-C6-N1	2.05	117.99	114.07
129	KL	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	N8	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	NU	502	GDP	C5-C6-N1	2.05	117.99	114.07
128	C5	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	N1	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	Cr	502	GTP	O6-C6-C5	-2.05	120.25	124.32
128	L4	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	S9	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	Ba	501	GTP	O2G-PG-O3B	2.05	111.52	104.64
129	0W	501	GDP	C5-C6-N1	2.05	117.99	114.07
129	1Q	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	1W	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	Bn	501	GDP	C5-C6-N1	2.05	117.99	114.07
129	H4	501	GDP	C5-C6-N1	2.05	117.99	114.07
129	U6	502	GDP	C5-C6-N1	2.05	117.99	114.07
129	Z6	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	MV	501	GTP	O6-C6-C5	-2.05	120.25	124.32
129	JJ	501	GDP	C5-C6-N1	2.05	117.98	114.07
129	R4	502	GDP	C5-C6-N1	2.05	117.98	114.07
129	G0	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	R4	501	GTP	O6-C6-C5	-2.05	120.25	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	BI	501	GDP	C5-C6-N1	2.05	117.98	114.07
128	Fe	501	GTP	O6-C6-C5	-2.05	120.25	124.32
128	Ii	501	GTP	O6-C6-C5	-2.05	120.25	124.32
129	R4	502	GDP	C4'-O4'-C1'	2.05	111.80	109.92
129	NJ	502	GDP	C5-C6-N1	2.05	117.98	114.07
129	S0	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	C8	501	GTP	O6-C6-C5	-2.05	120.26	124.32
129	Iy	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	8M	501	GTP	O6-C6-C5	-2.05	120.26	124.32
128	Fc	501	GTP	O6-C6-C5	-2.05	120.26	124.32
128	1C	501	GTP	O6-C6-C5	-2.05	120.26	124.32
129	Bh	502	GDP	C5-C6-N1	2.05	117.98	114.07
129	CZ	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	FT	502	GTP	O6-C6-C5	-2.05	120.26	124.32
129	Cr	501	GDP	C5-C6-N1	2.05	117.98	114.07
129	M6	502	GDP	C5-C6-N1	2.05	117.98	114.07
128	Z3	501	GTP	C4'-O4'-C1'	-2.05	108.05	109.92
128	0F	501	GTP	O6-C6-C5	-2.05	120.26	124.32
129	U4	502	GDP	C5-C6-N1	2.05	117.97	114.07
129	AJ	501	GDP	C5-C6-N1	2.05	117.97	114.07
128	2W	501	GTP	O6-C6-C5	-2.05	120.26	124.32
128	Cv	502	GTP	O6-C6-C5	-2.05	120.26	124.32
128	Di	501	GTP	O6-C6-C5	-2.05	120.26	124.32
128	M0	501	GTP	O6-C6-C5	-2.05	120.26	124.32
129	0A	502	GDP	C5-C6-N1	2.05	117.97	114.07
129	J2	502	GDP	C5-C6-N1	2.05	117.97	114.07
128	Bw	501	GTP	O6-C6-C5	-2.05	120.27	124.32
129	M4	502	GDP	C5-C6-N1	2.05	117.97	114.07
129	MT	502	GDP	C5-C6-N1	2.05	117.97	114.07
129	P8	502	GDP	C5-C6-N1	2.05	117.97	114.07
128	0Y	501	GTP	O6-C6-C5	-2.04	120.27	124.32
129	Ah	501	GDP	C5-C6-N1	2.04	117.97	114.07
129	R2	503	GDP	C5-C6-N1	2.04	117.97	114.07
128	T2	501	GTP	O6-C6-C5	-2.04	120.27	124.32
129	Di	502	GDP	C5-C6-N1	2.04	117.97	114.07
129	JW	503	GDP	C5-C6-N1	2.04	117.97	114.07
129	H8	503	GDP	C5-C6-N1	2.04	117.97	114.07
128	E0	502	GTP	O6-C6-C5	-2.04	120.27	124.32
129	3C	502	GDP	C5-C6-N1	2.04	117.97	114.07
129	3G	502	GDP	C5-C6-N1	2.04	117.97	114.07
129	MG	502	GDP	C5-C6-N1	2.04	117.97	114.07
129	N6	502	GDP	C5-C6-N1	2.04	117.97	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	G4	501	GDP	C5-C6-N1	2.04	117.96	114.07
128	Bf	502	GTP	O6-C6-C5	-2.04	120.27	124.32
128	NW	501	GTP	O6-C6-C5	-2.04	120.27	124.32
129	0W	501	GDP	C4'-O4'-C1'	2.04	111.79	109.92
128	FQ	501	GTP	O6-C6-C5	-2.04	120.28	124.32
128	Fk	501	GTP	O6-C6-C5	-2.04	120.28	124.32
129	0G	501	GDP	O3B-PB-O2B	2.04	115.45	107.80
129	F2	501	GDP	C5-C6-N1	2.04	117.96	114.07
129	R0	502	GDP	C5-C6-N1	2.04	117.96	114.07
129	0S	501	GDP	C5-C6-N1	2.04	117.96	114.07
129	Ay	503	GDP	C5-C6-N1	2.04	117.96	114.07
128	2A	501	GTP	O6-C6-C5	-2.04	120.28	124.32
128	O2	501	GTP	O6-C6-C5	-2.04	120.28	124.32
129	D2	501	GDP	C5-C6-N1	2.04	117.96	114.07
129	P4	503	GDP	C5-C6-N1	2.04	117.96	114.07
129	D4	501	GDP	C5-C6-N1	2.04	117.96	114.07
129	KJ	501	GDP	C5-C6-N1	2.04	117.96	114.07
129	Kj	503	GDP	C5-C6-N1	2.04	117.96	114.07
129	O6	502	GDP	C5-C6-N1	2.04	117.96	114.07
128	H3	501	GTP	O6-C6-C5	-2.04	120.28	124.32
129	E4	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	T2	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	GF	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	1S	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	8H	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	E2	501	GDP	C5-C6-N1	2.04	117.95	114.07
128	3A	501	GTP	O6-C6-C5	-2.04	120.29	124.32
129	Eu	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	V8	502	GDP	C5-C6-N1	2.04	117.95	114.07
129	1M	501	GDP	C5-C6-N1	2.03	117.95	114.07
128	CZ	501	GTP	O6-C6-C5	-2.03	120.29	124.32
128	Fg	501	GTP	O6-C6-C5	-2.03	120.29	124.32
129	Ck	501	GDP	C5-C6-N1	2.03	117.95	114.07
128	2Y	501	GTP	O6-C6-C5	-2.03	120.29	124.32
129	0M	502	GDP	C5-C6-N1	2.03	117.95	114.07
129	DV	502	GDP	C5-C6-N1	2.03	117.95	114.07
129	K6	502	GDP	C5-C6-N1	2.03	117.95	114.07
129	IK	502	GDP	C5-C6-N1	2.03	117.95	114.07
128	G3	502	GTP	O2G-PG-O3B	2.03	111.45	104.64
129	3S	502	GDP	C5-C6-N1	2.03	117.95	114.07
129	Es	502	GDP	C5-C6-N1	2.03	117.95	114.07
128	M7	501	GTP	O6-C6-C5	-2.03	120.29	124.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	M0	502	GDP	C5-C6-N1	2.03	117.94	114.07
128	Mu	501	GTP	O6-C6-C5	-2.03	120.29	124.32
129	CT	501	GDP	C5-C6-N1	2.03	117.94	114.07
128	ED	501	GTP	O6-C6-C5	-2.03	120.30	124.32
129	F0	502	GDP	C5-C6-N1	2.03	117.94	114.07
129	F8	502	GDP	C2'-C3'-C4'	2.03	106.53	102.61
129	Kv	503	GDP	C5-C6-N1	2.03	117.94	114.07
128	Kl	501	GTP	O6-C6-C5	-2.03	120.30	124.32
128	3P	501	GTP	O6-C6-C5	-2.03	120.30	124.32
129	Ed	502	GDP	C2'-C3'-C4'	2.03	106.53	102.61
129	EY	502	GDP	C5-C6-N1	2.03	117.94	114.07
129	P6	503	GDP	C5-C6-N1	2.03	117.94	114.07
129	S8	502	GDP	C5-C6-N1	2.03	117.94	114.07
128	1N	501	GTP	O6-C6-C5	-2.03	120.30	124.32
129	BY	502	GDP	C2'-C3'-C4'	2.03	106.53	102.61
129	2Q	502	GDP	C5-C6-N1	2.03	117.94	114.07
128	X4	501	GTP	O2G-PG-O3B	2.03	111.43	104.64
129	1O	501	GDP	C5-C6-N1	2.03	117.94	114.07
129	Y2	501	GDP	C5-C6-N1	2.03	117.94	114.07
128	Bu	501	GTP	O2G-PG-O3B	2.03	111.43	104.64
129	8N	501	GDP	C5-C6-N1	2.03	117.93	114.07
128	N6	501	GTP	O6-C6-C5	-2.03	120.31	124.32
128	Ci	501	GTP	O2G-PG-O3B	2.03	111.43	104.64
128	CK	501	GTP	O6-C6-C5	-2.02	120.31	124.32
129	NH	502	GDP	C5-C6-N1	2.02	117.93	114.07
129	NW	502	GDP	C5-C6-N1	2.02	117.93	114.07
129	P8	502	GDP	O3B-PB-O3A	2.02	111.42	104.64
129	0I	503	GDP	C5-C6-N1	2.02	117.93	114.07
129	2E	502	GDP	C5-C6-N1	2.02	117.93	114.07
129	JL	501	GDP	C5-C6-N1	2.02	117.93	114.07
129	8L	502	GDP	C5-C6-N1	2.02	117.93	114.07
128	CI	501	GTP	O6-C6-C5	-2.02	120.31	124.32
129	Cm	502	GDP	O3B-PB-O3A	2.02	111.42	104.64
128	JX	501	GTP	O6-C6-C5	-2.02	120.31	124.32
128	3I	501	GTP	O6-C6-C5	-2.02	120.31	124.32
129	A7	501	GDP	C5-C6-N1	2.02	117.93	114.07
129	BO	501	GDP	C5-C6-N1	2.02	117.93	114.07
129	1E	501	GDP	O2A-PA-O3A	2.02	112.74	107.27
128	EQ	501	GTP	O6-C6-C5	-2.02	120.31	124.32
129	C4	501	GDP	C5-C6-N1	2.02	117.92	114.07
129	FP	501	GDP	C5-C6-N1	2.02	117.92	114.07
129	Q2	502	GDP	C5-C6-N1	2.02	117.92	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
129	M8	501	GDP	C5-C6-N1	2.02	117.92	114.07
129	O4	503	GDP	C5-C6-N1	2.02	117.92	114.07
128	LU	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	KY	501	GTP	O6-C6-C5	-2.02	120.32	124.32
129	0K	502	GDP	C5-C6-N1	2.02	117.92	114.07
128	U4	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	BY	501	GTP	O2G-PG-O3B	2.02	111.41	104.64
128	Ao	501	GTP	O2A-PA-O3A	2.02	112.73	107.27
128	1W	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	M4	501	GTP	O6-C6-C5	-2.02	120.32	124.32
129	BY	502	GDP	C5-C6-N1	2.02	117.92	114.07
128	IL	501	GTP	O2A-PA-O3A	2.02	112.73	107.27
128	1Q	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	Ba	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	K9	501	GTP	O6-C6-C5	-2.02	120.32	124.32
129	1E	501	GDP	O3B-PB-O3A	2.02	111.40	104.64
129	Iw	502	GDP	C5-C6-N1	2.02	117.92	114.07
128	KI	501	GTP	O6-C6-C5	-2.02	120.32	124.32
128	Y4	501	GTP	O6-C6-C5	-2.02	120.32	124.32
129	Mg	502	GDP	C5-C6-N1	2.02	117.92	114.07
128	ED	501	GTP	O2G-PG-O3B	2.01	111.39	104.64
128	1A	501	GTP	O6-C6-C5	-2.01	120.33	124.32
128	O0	501	GTP	O6-C6-C5	-2.01	120.33	124.32
129	LH	502	GDP	C5-C6-N1	2.01	117.91	114.07
128	FW	501	GTP	O6-C6-C5	-2.01	120.34	124.32
128	Jl	502	GTP	O2B-PB-O3B	2.01	112.70	107.27
129	W0	502	GDP	C5-C6-N1	2.01	117.90	114.07
129	0Q	503	GDP	C5-C6-N1	2.01	117.90	114.07
129	Bj	501	GDP	C5-C6-N1	2.01	117.90	114.07
129	Eq	502	GDP	C5-C6-N1	2.01	117.90	114.07
128	Cz	501	GTP	O6-C6-C5	-2.01	120.34	124.32
129	MV	502	GDP	C5-C6-N1	2.00	117.89	114.07
128	CR	502	GTP	O6-C6-C5	-2.00	120.35	124.32
128	Ed	501	GTP	O6-C6-C5	-2.00	120.35	124.32
128	F0	501	GTP	O6-C6-C5	-2.00	120.35	124.32
129	Lu	502	GDP	C2'-C3'-C4'	2.00	106.48	102.61
128	S5	501	GTP	O6-C6-C5	-2.00	120.36	124.32

There are no chirality outliers.

All (3236) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
128	0A	501	GTP	C5'-O5'-PA-O3A
128	0A	501	GTP	C5'-O5'-PA-O2A
128	0C	501	GTP	C5'-O5'-PA-O3A
128	0C	501	GTP	C5'-O5'-PA-O2A
128	0F	501	GTP	PB-O3A-PA-O5'
128	0F	501	GTP	C5'-O5'-PA-O3A
128	0F	501	GTP	C5'-O5'-PA-O2A
128	0I	502	GTP	C5'-O5'-PA-O3A
128	0I	502	GTP	C5'-O5'-PA-O1A
128	0I	502	GTP	C5'-O5'-PA-O2A
128	0K	501	GTP	PB-O3A-PA-O5'
128	0M	501	GTP	PB-O3A-PA-O5'
128	0M	501	GTP	C5'-O5'-PA-O3A
128	0M	501	GTP	C5'-O5'-PA-O1A
128	0M	501	GTP	C5'-O5'-PA-O2A
128	0O	501	GTP	PB-O3B-PG-O2G
128	0R	502	GTP	C5'-O5'-PA-O3A
128	0R	502	GTP	C5'-O5'-PA-O1A
128	0R	502	GTP	C5'-O5'-PA-O2A
128	0V	501	GTP	C5'-O5'-PA-O3A
128	0V	501	GTP	C5'-O5'-PA-O2A
128	0V	501	GTP	O4'-C4'-C5'-O5'
128	0Y	501	GTP	PB-O3B-PG-O2G
128	1A	501	GTP	PB-O3B-PG-O2G
128	1H	501	GTP	C5'-O5'-PA-O3A
128	1H	501	GTP	C5'-O5'-PA-O2A
128	1L	501	GTP	PB-O3A-PA-O5'
128	1L	501	GTP	C5'-O5'-PA-O3A
128	1L	501	GTP	C5'-O5'-PA-O2A
128	1N	501	GTP	C5'-O5'-PA-O3A
128	1N	501	GTP	C5'-O5'-PA-O2A
128	1Q	501	GTP	C5'-O5'-PA-O3A
128	1Q	501	GTP	C5'-O5'-PA-O2A
128	1S	501	GTP	C5'-O5'-PA-O3A
128	1S	501	GTP	C5'-O5'-PA-O1A
128	1S	501	GTP	C5'-O5'-PA-O2A
128	1T	501	GTP	PB-O3A-PA-O5'
128	1T	501	GTP	C5'-O5'-PA-O3A
128	1T	501	GTP	C5'-O5'-PA-O1A
128	1T	501	GTP	C5'-O5'-PA-O2A
128	1X	501	GTP	C5'-O5'-PA-O3A
128	1X	501	GTP	C5'-O5'-PA-O1A
128	1X	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	2A	501	GTP	C5'-O5'-PA-O3A
128	2A	501	GTP	C5'-O5'-PA-O1A
128	2A	501	GTP	C5'-O5'-PA-O2A
128	2C	501	GTP	PB-O3B-PG-O2G
128	2I	501	GTP	PB-O3B-PG-O2G
128	2K	501	GTP	C5'-O5'-PA-O3A
128	2K	501	GTP	C5'-O5'-PA-O1A
128	2K	501	GTP	C5'-O5'-PA-O2A
128	2L	501	GTP	PB-O3B-PG-O2G
128	2Q	501	GTP	PB-O3A-PA-O5'
128	2Q	501	GTP	C5'-O5'-PA-O3A
128	2Q	501	GTP	C5'-O5'-PA-O2A
128	2Q	501	GTP	O4'-C4'-C5'-O5'
128	2S	501	GTP	C5'-O5'-PA-O3A
128	2U	501	GTP	PB-O3A-PA-O5'
128	2U	501	GTP	C5'-O5'-PA-O3A
128	2U	501	GTP	C5'-O5'-PA-O1A
128	2U	501	GTP	C5'-O5'-PA-O2A
128	2W	501	GTP	C5'-O5'-PA-O3A
128	2W	501	GTP	C5'-O5'-PA-O1A
128	2W	501	GTP	C5'-O5'-PA-O2A
128	2Y	501	GTP	PB-O3A-PA-O5'
128	2Y	501	GTP	C5'-O5'-PA-O3A
128	2Y	501	GTP	C5'-O5'-PA-O2A
128	3A	501	GTP	C5'-O5'-PA-O3A
128	3A	501	GTP	C5'-O5'-PA-O1A
128	3A	501	GTP	C5'-O5'-PA-O2A
128	3C	501	GTP	C5'-O5'-PA-O3A
128	3C	501	GTP	C5'-O5'-PA-O1A
128	3G	501	GTP	C5'-O5'-PA-O3A
128	3G	501	GTP	C5'-O5'-PA-O2A
128	3I	501	GTP	C5'-O5'-PA-O3A
128	3I	501	GTP	C5'-O5'-PA-O1A
128	3I	501	GTP	C5'-O5'-PA-O2A
128	3K	501	GTP	C5'-O5'-PA-O3A
128	3K	501	GTP	C5'-O5'-PA-O1A
128	3K	501	GTP	C5'-O5'-PA-O2A
128	3M	501	GTP	C5'-O5'-PA-O3A
128	3M	501	GTP	C5'-O5'-PA-O1A
128	3M	501	GTP	C5'-O5'-PA-O2A
128	3O	501	GTP	C5'-O5'-PA-O3A
128	3O	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
128	3P	501	GTP	PB-O3B-PG-O2G
128	3P	501	GTP	C5'-O5'-PA-O3A
128	3P	501	GTP	C5'-O5'-PA-O1A
128	3P	501	GTP	C5'-O5'-PA-O2A
128	3P	501	GTP	O4'-C4'-C5'-O5'
128	3P	501	GTP	C3'-C4'-C5'-O5'
128	3S	501	GTP	C5'-O5'-PA-O3A
128	3S	501	GTP	C5'-O5'-PA-O1A
128	8H	501	GTP	PB-O3B-PG-O2G
128	8H	501	GTP	PB-O3A-PA-O5'
128	8H	501	GTP	C5'-O5'-PA-O3A
128	8I	501	GTP	C5'-O5'-PA-O3A
128	8I	501	GTP	C5'-O5'-PA-O1A
128	8I	501	GTP	C5'-O5'-PA-O2A
128	8L	501	GTP	PB-O3B-PG-O2G
128	8M	501	GTP	C5'-O5'-PA-O3A
128	8M	501	GTP	C5'-O5'-PA-O2A
128	A1	501	GTP	C5'-O5'-PA-O3A
128	A1	501	GTP	C5'-O5'-PA-O1A
128	A1	501	GTP	C5'-O5'-PA-O2A
128	A4	501	GTP	C5'-O5'-PA-O3A
128	A4	501	GTP	C5'-O5'-PA-O2A
128	AT	501	GTP	C5'-O5'-PA-O3A
128	AT	501	GTP	C5'-O5'-PA-O1A
128	AT	501	GTP	C5'-O5'-PA-O2A
128	Ag	501	GTP	C5'-O5'-PA-O3A
128	Ag	501	GTP	C5'-O5'-PA-O1A
128	Ag	501	GTP	C5'-O5'-PA-O2A
128	Aj	501	GTP	PB-O3B-PG-O2G
128	Ak	501	GTP	C5'-O5'-PA-O3A
128	Ak	501	GTP	C5'-O5'-PA-O2A
128	An	501	GTP	PB-O3A-PA-O5'
128	An	501	GTP	C5'-O5'-PA-O3A
128	An	501	GTP	C5'-O5'-PA-O1A
128	An	501	GTP	C5'-O5'-PA-O2A
128	At	501	GTP	C5'-O5'-PA-O3A
128	At	501	GTP	C5'-O5'-PA-O2A
128	Av	501	GTP	C5'-O5'-PA-O3A
128	Av	501	GTP	C5'-O5'-PA-O1A
128	Av	501	GTP	C5'-O5'-PA-O2A
128	Ay	502	GTP	C5'-O5'-PA-O3A
128	Ay	502	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
128	Ay	502	GTP	C5'-O5'-PA-O2A
128	B0	501	GTP	PB-O3A-PA-O5'
128	B0	501	GTP	C5'-O5'-PA-O3A
128	B2	501	GTP	C5'-O5'-PA-O3A
128	B2	501	GTP	C5'-O5'-PA-O1A
128	B2	501	GTP	C5'-O5'-PA-O2A
128	BB	501	GTP	C5'-O5'-PA-O3A
128	BB	501	GTP	C5'-O5'-PA-O2A
128	BG	501	GTP	C5'-O5'-PA-O3A
128	BH	501	GTP	C5'-O5'-PA-O3A
128	BH	501	GTP	C5'-O5'-PA-O1A
128	BH	501	GTP	C5'-O5'-PA-O2A
128	BJ	501	GTP	C5'-O5'-PA-O3A
128	BJ	501	GTP	C5'-O5'-PA-O2A
128	BL	501	GTP	C5'-O5'-PA-O3A
128	BL	501	GTP	C5'-O5'-PA-O2A
128	BN	501	GTP	PB-O3B-PG-O2G
128	BN	501	GTP	C5'-O5'-PA-O3A
128	BN	501	GTP	C5'-O5'-PA-O1A
128	BN	501	GTP	C5'-O5'-PA-O2A
128	BU	501	GTP	C5'-O5'-PA-O3A
128	BU	501	GTP	C5'-O5'-PA-O1A
128	BU	501	GTP	C5'-O5'-PA-O2A
128	BW	501	GTP	C5'-O5'-PA-O3A
128	BW	501	GTP	C5'-O5'-PA-O2A
128	BY	501	GTP	PB-O3B-PG-O2G
128	BY	501	GTP	PB-O3B-PG-O3G
128	Bb	501	GTP	C5'-O5'-PA-O3A
128	Bb	501	GTP	C5'-O5'-PA-O2A
128	Bh	501	GTP	PB-O3A-PA-O5'
128	Bh	501	GTP	C5'-O5'-PA-O3A
128	Bh	501	GTP	C5'-O5'-PA-O2A
128	Bi	501	GTP	C5'-O5'-PA-O3A
128	Bi	501	GTP	C5'-O5'-PA-O2A
128	Bo	501	GTP	C5'-O5'-PA-O3A
128	Bo	501	GTP	C5'-O5'-PA-O2A
128	Bu	501	GTP	PB-O3B-PG-O2G
128	Bu	501	GTP	C5'-O5'-PA-O3A
128	Bu	501	GTP	C5'-O5'-PA-O2A
128	Bw	501	GTP	C5'-O5'-PA-O3A
128	Bw	501	GTP	C5'-O5'-PA-O1A
128	Bw	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	By	502	GTP	C5'-O5'-PA-O3A
128	By	502	GTP	C5'-O5'-PA-O1A
128	By	502	GTP	C5'-O5'-PA-O2A
128	Bz	501	GTP	C5'-O5'-PA-O3A
128	Bz	501	GTP	C5'-O5'-PA-O1A
128	Bz	501	GTP	C5'-O5'-PA-O2A
128	C0	501	GTP	C5'-O5'-PA-O3A
128	C0	501	GTP	C5'-O5'-PA-O2A
128	C1	501	GTP	C5'-O5'-PA-O3A
128	C1	501	GTP	C5'-O5'-PA-O1A
128	C1	501	GTP	C5'-O5'-PA-O2A
128	C4	502	GTP	C5'-O5'-PA-O3A
128	C4	502	GTP	C5'-O5'-PA-O1A
128	C4	502	GTP	C5'-O5'-PA-O2A
128	C5	501	GTP	C5'-O5'-PA-O3A
128	C5	501	GTP	C5'-O5'-PA-O2A
128	C9	501	GTP	C5'-O5'-PA-O3A
128	C9	501	GTP	C5'-O5'-PA-O2A
128	CE	502	GTP	PB-O3A-PA-O5'
128	CE	502	GTP	C5'-O5'-PA-O3A
128	CE	502	GTP	C5'-O5'-PA-O2A
128	CG	501	GTP	C5'-O5'-PA-O3A
128	CG	501	GTP	C5'-O5'-PA-O1A
128	CG	501	GTP	C5'-O5'-PA-O2A
128	CI	501	GTP	PB-O3A-PA-O5'
128	CI	501	GTP	C5'-O5'-PA-O3A
128	CI	501	GTP	C5'-O5'-PA-O1A
128	CI	501	GTP	C5'-O5'-PA-O2A
128	CK	501	GTP	C5'-O5'-PA-O3A
128	CK	501	GTP	C5'-O5'-PA-O2A
128	CM	502	GTP	PB-O3B-PG-O2G
128	CM	502	GTP	PB-O3A-PA-O5'
128	CM	502	GTP	C5'-O5'-PA-O3A
128	CM	502	GTP	C5'-O5'-PA-O2A
128	CR	502	GTP	PB-O3B-PG-O2G
128	CR	502	GTP	PB-O3A-PA-O5'
128	CZ	501	GTP	C5'-O5'-PA-O3A
128	CZ	501	GTP	C5'-O5'-PA-O2A
128	Ce	502	GTP	C5'-O5'-PA-O3A
128	Ce	502	GTP	C5'-O5'-PA-O1A
128	Ce	502	GTP	C5'-O5'-PA-O2A
128	Ce	502	GTP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	Cg	501	GTP	C5'-O5'-PA-O3A
128	Cg	501	GTP	C5'-O5'-PA-O2A
128	Ci	501	GTP	PB-O3B-PG-O2G
128	Ci	501	GTP	PB-O3A-PA-O5'
128	Ci	501	GTP	C5'-O5'-PA-O3A
128	Cj	501	GTP	C5'-O5'-PA-O3A
128	Cj	501	GTP	C5'-O5'-PA-O2A
128	Cm	501	GTP	PB-O3A-PA-O5'
128	Cm	501	GTP	C5'-O5'-PA-O3A
128	Cm	501	GTP	C5'-O5'-PA-O1A
128	Cm	501	GTP	C5'-O5'-PA-O2A
128	Cm	501	GTP	O4'-C4'-C5'-O5'
128	Ct	501	GTP	C5'-O5'-PA-O3A
128	Ct	501	GTP	C5'-O5'-PA-O1A
128	Ct	501	GTP	C5'-O5'-PA-O2A
128	Cv	502	GTP	PB-O3B-PG-O2G
128	Cx	501	GTP	C5'-O5'-PA-O3A
128	Cx	501	GTP	C5'-O5'-PA-O2A
128	Cz	501	GTP	PB-O3B-PG-O2G
128	D3	501	GTP	C5'-O5'-PA-O3A
128	D3	501	GTP	C5'-O5'-PA-O2A
128	D5	501	GTP	C5'-O5'-PA-O3A
128	D5	501	GTP	C5'-O5'-PA-O1A
128	D5	501	GTP	C5'-O5'-PA-O2A
128	D7	501	GTP	PB-O3B-PG-O2G
128	D7	501	GTP	C4'-C5'-O5'-PA
128	DE	501	GTP	C5'-O5'-PA-O3A
128	DE	501	GTP	C5'-O5'-PA-O1A
128	DE	501	GTP	C5'-O5'-PA-O2A
128	DG	501	GTP	C5'-O5'-PA-O3A
128	DG	501	GTP	C5'-O5'-PA-O2A
128	DH	501	GTP	C5'-O5'-PA-O3A
128	DH	501	GTP	C5'-O5'-PA-O1A
128	DK	501	GTP	C5'-O5'-PA-O3A
128	DK	501	GTP	C5'-O5'-PA-O1A
128	DM	501	GTP	C5'-O5'-PA-O3A
128	DM	501	GTP	C5'-O5'-PA-O1A
128	DR	501	GTP	PB-O3B-PG-O2G
128	DR	501	GTP	PB-O3B-PG-O3G
128	DR	501	GTP	PB-O3A-PA-O5'
128	DR	501	GTP	C5'-O5'-PA-O3A
128	DR	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	DT	501	GTP	PB-O3A-PA-O5'
128	DT	501	GTP	C5'-O5'-PA-O3A
128	DT	501	GTP	C5'-O5'-PA-O1A
128	DT	501	GTP	C5'-O5'-PA-O2A
128	DV	501	GTP	PB-O3A-PA-O5'
128	DX	501	GTP	PB-O3A-PA-O5'
128	DX	501	GTP	C5'-O5'-PA-O3A
128	DX	501	GTP	C5'-O5'-PA-O1A
128	DX	501	GTP	C5'-O5'-PA-O2A
128	DZ	501	GTP	PB-O3A-PA-O5'
128	DZ	501	GTP	C5'-O5'-PA-O3A
128	DZ	501	GTP	C5'-O5'-PA-O1A
128	DZ	501	GTP	C5'-O5'-PA-O2A
128	De	501	GTP	C5'-O5'-PA-O3A
128	De	501	GTP	C5'-O5'-PA-O2A
128	Df	501	GTP	PB-O3A-PA-O5'
128	Df	501	GTP	C5'-O5'-PA-O3A
128	Df	501	GTP	C5'-O5'-PA-O1A
128	Df	501	GTP	C5'-O5'-PA-O2A
128	Di	501	GTP	C5'-O5'-PA-O3A
128	Di	501	GTP	C5'-O5'-PA-O1A
128	Di	501	GTP	C5'-O5'-PA-O2A
128	Dk	501	GTP	C5'-O5'-PA-O3A
128	Dk	501	GTP	C5'-O5'-PA-O1A
128	Dk	501	GTP	C5'-O5'-PA-O2A
128	Dm	501	GTP	C5'-O5'-PA-O3A
128	Dm	501	GTP	C5'-O5'-PA-O1A
128	Dm	501	GTP	C5'-O5'-PA-O2A
128	Dr	501	GTP	C5'-O5'-PA-O3A
128	Dr	501	GTP	C5'-O5'-PA-O1A
128	Dr	501	GTP	C5'-O5'-PA-O2A
128	Dt	501	GTP	C5'-O5'-PA-O3A
128	Dt	501	GTP	C5'-O5'-PA-O2A
128	Du	501	GTP	C5'-O5'-PA-O3A
128	Du	501	GTP	C5'-O5'-PA-O1A
128	Du	501	GTP	C5'-O5'-PA-O2A
128	Dw	501	GTP	PB-O3B-PG-O3G
128	Dw	501	GTP	PB-O3A-PA-O5'
128	Dw	501	GTP	C5'-O5'-PA-O3A
128	Dw	501	GTP	C5'-O5'-PA-O1A
128	Dw	501	GTP	C5'-O5'-PA-O2A
128	Dz	501	GTP	PB-O3B-PG-O2G

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Mol	Chain	Res	Type	Atoms
128	Dz	501	GTP	PB-O3B-PG-O3G
128	E0	502	GTP	C5'-O5'-PA-O3A
128	E0	502	GTP	C5'-O5'-PA-O1A
128	E0	502	GTP	C5'-O5'-PA-O2A
128	E1	501	GTP	C5'-O5'-PA-O3A
128	E1	501	GTP	C5'-O5'-PA-O2A
128	E4	501	GTP	C5'-O5'-PA-O3A
128	E4	501	GTP	C5'-O5'-PA-O1A
128	E4	501	GTP	C5'-O5'-PA-O2A
128	E6	501	GTP	C5'-O5'-PA-O3A
128	E6	501	GTP	C5'-O5'-PA-O2A
128	E8	501	GTP	PB-O3B-PG-O2G
128	E8	501	GTP	C5'-O5'-PA-O3A
128	ED	501	GTP	PB-O3A-PA-O5'
128	ED	501	GTP	C5'-O5'-PA-O3A
128	ED	501	GTP	C5'-O5'-PA-O2A
128	EF	501	GTP	C5'-O5'-PA-O3A
128	EF	501	GTP	C5'-O5'-PA-O1A
128	EF	501	GTP	C5'-O5'-PA-O2A
128	EF	501	GTP	O4'-C4'-C5'-O5'
128	EH	501	GTP	C5'-O5'-PA-O3A
128	EH	501	GTP	C5'-O5'-PA-O1A
128	EH	501	GTP	C5'-O5'-PA-O2A
128	EH	501	GTP	O4'-C4'-C5'-O5'
128	EI	501	GTP	C5'-O5'-PA-O3A
128	EI	501	GTP	C5'-O5'-PA-O1A
128	EI	501	GTP	C5'-O5'-PA-O2A
128	EL	501	GTP	C5'-O5'-PA-O1A
128	EQ	501	GTP	PB-O3A-PA-O5'
128	EQ	501	GTP	C5'-O5'-PA-O1A
128	ER	501	GTP	C5'-O5'-PA-O3A
128	ER	501	GTP	C5'-O5'-PA-O1A
128	EU	501	GTP	C5'-O5'-PA-O3A
128	EU	501	GTP	C5'-O5'-PA-O2A
128	EV	501	GTP	C5'-O5'-PA-O3A
128	EV	501	GTP	C5'-O5'-PA-O2A
128	EY	501	GTP	PB-O3B-PG-O2G
128	EY	501	GTP	PB-O3A-PA-O5'
128	Ed	501	GTP	O4'-C4'-C5'-O5'
128	Ee	501	GTP	PB-O3B-PG-O2G
128	Ee	501	GTP	PB-O3A-PA-O5'
128	Ee	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
128	Eh	501	GTP	PB-O3A-PA-O5'
128	Eh	501	GTP	C5'-O5'-PA-O3A
128	Eh	501	GTP	C5'-O5'-PA-O2A
128	Ei	501	GTP	PB-O3B-PG-O2G
128	Ei	501	GTP	C5'-O5'-PA-O3A
128	Ei	501	GTP	C5'-O5'-PA-O2A
128	El	501	GTP	C5'-O5'-PA-O3A
128	El	501	GTP	C5'-O5'-PA-O2A
128	Eq	501	GTP	PB-O3A-PA-O5'
128	Eq	501	GTP	C5'-O5'-PA-O3A
128	Es	501	GTP	PB-O3A-PA-O5'
128	Es	501	GTP	C5'-O5'-PA-O3A
128	Es	501	GTP	C5'-O5'-PA-O2A
128	Eu	501	GTP	PB-O3A-PA-O5'
128	Eu	501	GTP	C5'-O5'-PA-O3A
128	Eu	501	GTP	C5'-O5'-PA-O1A
128	Eu	501	GTP	C5'-O5'-PA-O2A
128	Ew	501	GTP	PB-O3B-PG-O2G
128	Ew	501	GTP	PB-O3B-PG-O3G
128	Ew	501	GTP	C5'-O5'-PA-O3A
128	Ew	501	GTP	C5'-O5'-PA-O2A
128	F1	501	GTP	C5'-O5'-PA-O3A
128	F1	501	GTP	C5'-O5'-PA-O2A
128	F3	501	GTP	C5'-O5'-PA-O3A
128	F3	501	GTP	C5'-O5'-PA-O2A
128	F5	501	GTP	C5'-O5'-PA-O3A
128	F5	501	GTP	C5'-O5'-PA-O2A
128	F8	501	GTP	PB-O3B-PG-O2G
128	F8	501	GTP	PB-O3B-PG-O3G
128	FE	501	GTP	C5'-O5'-PA-O3A
128	FE	501	GTP	C5'-O5'-PA-O2A
128	FG	501	GTP	PB-O3B-PG-O2G
128	FG	501	GTP	PB-O3A-PA-O5'
128	FG	501	GTP	C5'-O5'-PA-O3A
128	FG	501	GTP	C5'-O5'-PA-O2A
128	FI	501	GTP	PB-O3A-PA-O5'
128	FI	501	GTP	C5'-O5'-PA-O3A
128	FI	501	GTP	C5'-O5'-PA-O2A
128	FQ	501	GTP	C5'-O5'-PA-O3A
128	FQ	501	GTP	C5'-O5'-PA-O2A
128	FT	502	GTP	C5'-O5'-PA-O3A
128	FT	502	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	FV	501	GTP	C5'-O5'-PA-O3A
128	FV	501	GTP	C5'-O5'-PA-O1A
128	FV	501	GTP	C5'-O5'-PA-O2A
128	FW	501	GTP	PB-O3A-PA-O5'
128	FW	501	GTP	C5'-O5'-PA-O3A
128	FW	501	GTP	C5'-O5'-PA-O1A
128	FW	501	GTP	C5'-O5'-PA-O2A
128	Fe	501	GTP	PB-O3B-PG-O2G
128	Fe	501	GTP	PB-O3B-PG-O3G
128	Fg	501	GTP	PB-O3B-PG-O2G
128	Fg	501	GTP	PB-O3B-PG-O3G
128	Fi	501	GTP	PB-O3B-PG-O2G
128	Fi	501	GTP	PB-O3B-PG-O3G
128	Fl	501	GTP	PB-O3B-PG-O2G
128	Fp	501	GTP	C5'-O5'-PA-O3A
128	Fp	501	GTP	C5'-O5'-PA-O1A
128	Fp	501	GTP	C5'-O5'-PA-O2A
128	Fr	501	GTP	PB-O3A-PA-O5'
128	Fr	501	GTP	C5'-O5'-PA-O3A
128	Fr	501	GTP	C5'-O5'-PA-O2A
128	Ft	501	GTP	C5'-O5'-PA-O3A
128	Ft	501	GTP	C5'-O5'-PA-O1A
128	Ft	501	GTP	C5'-O5'-PA-O2A
128	Fv	501	GTP	PB-O3B-PG-O2G
128	Fv	501	GTP	PB-O3B-PG-O3G
128	Fv	501	GTP	C5'-O5'-PA-O3A
128	Fx	501	GTP	PB-O3A-PA-O5'
128	Fx	501	GTP	C5'-O5'-PA-O3A
128	Fx	501	GTP	C5'-O5'-PA-O1A
128	Fx	501	GTP	C5'-O5'-PA-O2A
128	Fx	501	GTP	O4'-C4'-C5'-O5'
128	G0	501	GTP	PB-O3B-PG-O2G
128	G0	501	GTP	C5'-O5'-PA-O1A
128	G1	501	GTP	C5'-O5'-PA-O3A
128	G1	501	GTP	C5'-O5'-PA-O2A
128	G7	501	GTP	PB-O3A-PA-O5'
128	G7	501	GTP	C5'-O5'-PA-O3A
128	G7	501	GTP	C5'-O5'-PA-O2A
128	GB	501	GTP	PB-O3B-PG-O2G
128	GB	501	GTP	PB-O3B-PG-O3G
128	GB	501	GTP	C5'-O5'-PA-O3A
128	GB	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	GD	501	GTP	C5'-O5'-PA-O3A
128	GD	501	GTP	C5'-O5'-PA-O1A
128	GF	501	GTP	PB-O3A-PA-O5'
128	GF	501	GTP	C5'-O5'-PA-O3A
128	GF	501	GTP	C5'-O5'-PA-O1A
128	GF	501	GTP	C5'-O5'-PA-O2A
128	GH	501	GTP	C5'-O5'-PA-O3A
128	GH	501	GTP	C5'-O5'-PA-O1A
128	GH	501	GTP	C5'-O5'-PA-O2A
128	GI	501	GTP	C5'-O5'-PA-O3A
128	GI	501	GTP	C5'-O5'-PA-O2A
128	GI	501	GTP	O4'-C4'-C5'-O5'
128	H2	501	GTP	PB-O3A-PA-O5'
128	H2	501	GTP	C5'-O5'-PA-O3A
128	H2	501	GTP	C5'-O5'-PA-O2A
128	H3	501	GTP	C5'-O5'-PA-O3A
128	H3	501	GTP	C5'-O5'-PA-O1A
128	H3	501	GTP	C5'-O5'-PA-O2A
128	H6	501	GTP	C5'-O5'-PA-O3A
128	H6	501	GTP	C5'-O5'-PA-O2A
128	H8	501	GTP	PB-O3A-PA-O5'
128	H8	501	GTP	C5'-O5'-PA-O3A
128	H8	501	GTP	C5'-O5'-PA-O1A
128	H8	501	GTP	C5'-O5'-PA-O2A
128	I0	501	GTP	C5'-O5'-PA-O3A
128	I0	501	GTP	C5'-O5'-PA-O1A
128	I0	501	GTP	C5'-O5'-PA-O2A
128	I1	501	GTP	PB-O3A-PA-O5'
128	I1	501	GTP	C5'-O5'-PA-O3A
128	I1	501	GTP	C5'-O5'-PA-O1A
128	I1	501	GTP	C5'-O5'-PA-O2A
128	I4	502	GTP	C5'-O5'-PA-O3A
128	I4	502	GTP	C5'-O5'-PA-O1A
128	I4	502	GTP	C5'-O5'-PA-O2A
128	I5	501	GTP	C5'-O5'-PA-O3A
128	I5	501	GTP	C5'-O5'-PA-O1A
128	I5	501	GTP	C5'-O5'-PA-O2A
128	I8	501	GTP	C5'-O5'-PA-O3A
128	I8	501	GTP	C5'-O5'-PA-O2A
128	IK	501	GTP	C5'-O5'-PA-O3A
128	IK	501	GTP	C5'-O5'-PA-O2A
128	IW	501	GTP	PB-O3A-PA-O5'

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Mol	Chain	Res	Type	Atoms
128	IW	501	GTP	C5'-O5'-PA-O3A
128	IW	501	GTP	C5'-O5'-PA-O1A
128	IW	501	GTP	C5'-O5'-PA-O2A
128	IX	501	GTP	PB-O3A-PA-O5'
128	IX	501	GTP	C5'-O5'-PA-O3A
128	IX	501	GTP	C5'-O5'-PA-O2A
128	Ii	501	GTP	C5'-O5'-PA-O3A
128	Ii	501	GTP	C4'-C5'-O5'-PA
128	Ik	501	GTP	C5'-O5'-PA-O3A
128	Iw	501	GTP	PB-O3B-PG-O2G
128	Iw	501	GTP	PB-O3B-PG-O3G
128	Iw	501	GTP	C5'-O5'-PA-O3A
128	Iw	501	GTP	C5'-O5'-PA-O1A
128	Iy	501	GTP	C5'-O5'-PA-O3A
128	Iy	501	GTP	C5'-O5'-PA-O2A
128	J0	501	GTP	C5'-O5'-PA-O3A
128	J0	501	GTP	C5'-O5'-PA-O2A
128	J2	501	GTP	PB-O3B-PG-O2G
128	J2	501	GTP	PB-O3B-PG-O3G
128	J2	501	GTP	C5'-O5'-PA-O3A
128	J4	501	GTP	C5'-O5'-PA-O3A
128	J4	501	GTP	C5'-O5'-PA-O1A
128	J4	501	GTP	C5'-O5'-PA-O2A
128	J6	501	GTP	C5'-O5'-PA-O3A
128	J6	501	GTP	C5'-O5'-PA-O2A
128	J8	502	GTP	C5'-O5'-PA-O3A
128	J8	502	GTP	C5'-O5'-PA-O1A
128	J8	502	GTP	C5'-O5'-PA-O2A
128	JI	502	GTP	PB-O3A-PA-O5'
128	JI	502	GTP	C5'-O5'-PA-O3A
128	JI	502	GTP	C5'-O5'-PA-O2A
128	JU	501	GTP	C5'-O5'-PA-O3A
128	JU	501	GTP	C5'-O5'-PA-O2A
128	JW	502	GTP	C5'-O5'-PA-O3A
128	JW	502	GTP	C5'-O5'-PA-O1A
128	JW	502	GTP	C5'-O5'-PA-O2A
128	JX	501	GTP	C5'-O5'-PA-O3A
128	JX	501	GTP	C5'-O5'-PA-O1A
128	JX	501	GTP	C5'-O5'-PA-O2A
128	Jh	501	GTP	C5'-O5'-PA-O3A
128	Jh	501	GTP	C5'-O5'-PA-O1A
128	Jh	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	Jj	501	GTP	C5'-O5'-PA-O3A
128	Jj	501	GTP	C5'-O5'-PA-O2A
128	Jl	502	GTP	C5'-O5'-PA-O3A
128	Jy	501	GTP	C5'-O5'-PA-O3A
128	Jy	501	GTP	C5'-O5'-PA-O2A
128	K0	501	GTP	C5'-O5'-PA-O3A
128	K6	501	GTP	PB-O3A-PA-O5'
128	K6	501	GTP	C5'-O5'-PA-O3A
128	K6	501	GTP	C5'-O5'-PA-O1A
128	K6	501	GTP	C5'-O5'-PA-O2A
128	K9	501	GTP	C5'-O5'-PA-O3A
128	K9	501	GTP	C5'-O5'-PA-O2A
128	KH	501	GTP	C5'-O5'-PA-O3A
128	KI	501	GTP	C5'-O5'-PA-O3A
128	KI	501	GTP	C5'-O5'-PA-O2A
128	KI	501	GTP	O4'-C4'-C5'-O5'
128	KL	501	GTP	C5'-O5'-PA-O3A
128	KL	501	GTP	C5'-O5'-PA-O2A
128	KL	501	GTP	O4'-C4'-C5'-O5'
128	KU	501	GTP	PB-O3A-PA-O5'
128	KU	501	GTP	C5'-O5'-PA-O1A
128	KW	501	GTP	C5'-O5'-PA-O3A
128	KW	501	GTP	C5'-O5'-PA-O2A
128	KY	501	GTP	PB-O3B-PG-O2G
128	KY	501	GTP	PB-O3A-PA-O5'
128	Kj	502	GTP	C5'-O5'-PA-O3A
128	Kj	502	GTP	C5'-O5'-PA-O1A
128	Kj	502	GTP	C5'-O5'-PA-O2A
128	Kl	501	GTP	C5'-O5'-PA-O1A
128	Kv	501	GTP	PB-O3A-PA-O5'
128	Kv	501	GTP	C5'-O5'-PA-O3A
128	Kv	501	GTP	C5'-O5'-PA-O2A
128	Kx	501	GTP	C5'-O5'-PA-O3A
128	Kx	501	GTP	C5'-O5'-PA-O1A
128	Kx	501	GTP	C5'-O5'-PA-O2A
128	L2	501	GTP	PB-O3B-PG-O2G
128	L2	501	GTP	PB-O3A-PA-O5'
128	L4	501	GTP	C5'-O5'-PA-O3A
128	L6	501	GTP	PB-O3B-PG-O2G
128	L6	501	GTP	PB-O3A-PA-O5'
128	LH	501	GTP	PB-O3A-PA-O5'
128	LH	501	GTP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
128	LH	501	GTP	C5'-O5'-PA-O2A
128	LJ	501	GTP	PB-O3B-PG-O2G
128	LJ	501	GTP	C5'-O5'-PA-O3A
128	LJ	501	GTP	C5'-O5'-PA-O1A
128	LJ	501	GTP	C5'-O5'-PA-O2A
128	LU	501	GTP	PB-O3A-PA-O5'
128	LU	501	GTP	C5'-O5'-PA-O3A
128	LU	501	GTP	C5'-O5'-PA-O1A
128	LU	501	GTP	C5'-O5'-PA-O2A
128	LX	501	GTP	C5'-O5'-PA-O3A
128	LX	501	GTP	C5'-O5'-PA-O2A
128	Lh	501	GTP	C5'-O5'-PA-O3A
128	Lh	501	GTP	C5'-O5'-PA-O1A
128	Lh	501	GTP	C5'-O5'-PA-O2A
128	Li	501	GTP	C5'-O5'-PA-O3A
128	Li	501	GTP	C5'-O5'-PA-O1A
128	Li	501	GTP	C5'-O5'-PA-O2A
128	Lu	501	GTP	C5'-O5'-PA-O3A
128	Lu	501	GTP	C5'-O5'-PA-O2A
128	Lv	501	GTP	C5'-O5'-PA-O3A
128	Lv	501	GTP	C5'-O5'-PA-O2A
128	M0	501	GTP	O4'-C4'-C5'-O5'
128	M2	501	GTP	C5'-O5'-PA-O3A
128	M2	501	GTP	C5'-O5'-PA-O2A
128	M4	501	GTP	C5'-O5'-PA-O3A
128	M4	501	GTP	C5'-O5'-PA-O1A
128	M4	501	GTP	C5'-O5'-PA-O2A
128	M7	501	GTP	C5'-O5'-PA-O3A
128	M7	501	GTP	C5'-O5'-PA-O1A
128	M7	501	GTP	C5'-O5'-PA-O2A
128	M7	501	GTP	O4'-C4'-C5'-O5'
128	MG	501	GTP	C5'-O5'-PA-O3A
128	MG	501	GTP	C5'-O5'-PA-O2A
128	MH	501	GTP	C5'-O5'-PA-O3A
128	MH	501	GTP	C5'-O5'-PA-O2A
128	MT	501	GTP	C5'-O5'-PA-O3A
128	MT	501	GTP	C5'-O5'-PA-O2A
128	Mg	501	GTP	C5'-O5'-PA-O3A
128	Mg	501	GTP	C5'-O5'-PA-O1A
128	Mg	501	GTP	C5'-O5'-PA-O2A
128	Mh	501	GTP	C5'-O5'-PA-O3A
128	Mt	501	GTP	PB-O3B-PG-O2G

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Mol	Chain	Res	Type	Atoms
128	Mt	501	GTP	C5'-O5'-PA-O3A
128	Mt	501	GTP	C5'-O5'-PA-O1A
128	Mt	501	GTP	C5'-O5'-PA-O2A
128	Mu	501	GTP	C5'-O5'-PA-O3A
128	Mu	501	GTP	C5'-O5'-PA-O1A
128	Mu	501	GTP	C5'-O5'-PA-O2A
128	N0	501	GTP	PB-O3A-PA-O5'
128	N0	501	GTP	C5'-O5'-PA-O3A
128	N0	501	GTP	C5'-O5'-PA-O1A
128	N0	501	GTP	C5'-O5'-PA-O2A
128	N0	501	GTP	O4'-C4'-C5'-O5'
128	N1	501	GTP	PB-O3A-PA-O5'
128	N1	501	GTP	C5'-O5'-PA-O3A
128	N1	501	GTP	C5'-O5'-PA-O2A
128	N1	501	GTP	O4'-C4'-C5'-O5'
128	N6	501	GTP	C5'-O5'-PA-O3A
128	N6	501	GTP	C5'-O5'-PA-O1A
128	N6	501	GTP	C5'-O5'-PA-O2A
128	N8	501	GTP	PB-O3B-PG-O2G
128	NF	501	GTP	PB-O3B-PG-O2G
128	NH	501	GTP	C5'-O5'-PA-O3A
128	NS	501	GTP	PB-O3B-PG-O2G
128	NS	501	GTP	PB-O3B-PG-O3G
128	NU	501	GTP	PB-O3B-PG-O2G
128	NU	501	GTP	PB-O3B-PG-O3G
128	NW	501	GTP	PB-O3A-PA-O5'
128	NW	501	GTP	C5'-O5'-PA-O3A
128	NW	501	GTP	C5'-O5'-PA-O1A
128	NW	501	GTP	C5'-O5'-PA-O2A
128	Nf	501	GTP	C5'-O5'-PA-O3A
128	Nf	501	GTP	C5'-O5'-PA-O2A
128	Nh	501	GTP	C5'-O5'-PA-O3A
128	Nh	501	GTP	C5'-O5'-PA-O2A
128	Ni	501	GTP	PB-O3A-PA-O5'
128	Ni	501	GTP	O4'-C4'-C5'-O5'
128	O0	501	GTP	C5'-O5'-PA-O3A
128	O0	501	GTP	C5'-O5'-PA-O1A
128	O0	501	GTP	C5'-O5'-PA-O2A
128	O2	501	GTP	PB-O3B-PG-O2G
128	O2	501	GTP	PB-O3A-PA-O5'
128	O4	502	GTP	C5'-O5'-PA-O3A
128	O4	502	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
128	O4	502	GTP	C5'-O5'-PA-O2A
128	O6	501	GTP	PB-O3A-PA-O5'
128	O8	501	GTP	C5'-O5'-PA-O3A
128	O8	501	GTP	C5'-O5'-PA-O1A
128	O8	501	GTP	C5'-O5'-PA-O2A
128	P4	501	GTP	C5'-O5'-PA-O3A
128	P4	501	GTP	C5'-O5'-PA-O1A
128	P4	501	GTP	C5'-O5'-PA-O2A
128	P6	501	GTP	C5'-O5'-PA-O3A
128	P6	501	GTP	C5'-O5'-PA-O2A
128	P8	501	GTP	C5'-O5'-PA-O3A
128	P8	501	GTP	C5'-O5'-PA-O1A
128	P8	501	GTP	C5'-O5'-PA-O2A
128	P9	501	GTP	PB-O3B-PG-O3G
128	P9	501	GTP	C5'-O5'-PA-O3A
128	P9	501	GTP	C5'-O5'-PA-O1A
128	P9	501	GTP	C5'-O5'-PA-O2A
128	Q2	501	GTP	C5'-O5'-PA-O3A
128	Q2	501	GTP	C5'-O5'-PA-O1A
128	Q2	501	GTP	C5'-O5'-PA-O2A
128	Q4	501	GTP	C5'-O5'-PA-O3A
128	Q4	501	GTP	C5'-O5'-PA-O1A
128	Q4	501	GTP	C5'-O5'-PA-O2A
128	Q6	501	GTP	C5'-O5'-PA-O3A
128	Q6	501	GTP	C5'-O5'-PA-O1A
128	Q6	501	GTP	C5'-O5'-PA-O2A
128	R0	501	GTP	PB-O3B-PG-O2G
128	R2	502	GTP	C5'-O5'-PA-O3A
128	R2	502	GTP	C5'-O5'-PA-O1A
128	R2	502	GTP	C5'-O5'-PA-O2A
128	R4	501	GTP	PB-O3A-PA-O5'
128	R4	501	GTP	C5'-O5'-PA-O3A
128	R4	501	GTP	C5'-O5'-PA-O1A
128	R4	501	GTP	C5'-O5'-PA-O2A
128	R6	501	GTP	C5'-O5'-PA-O3A
128	R6	501	GTP	C5'-O5'-PA-O1A
128	R6	501	GTP	C5'-O5'-PA-O2A
128	R8	502	GTP	PB-O3B-PG-O3G
128	R8	502	GTP	C5'-O5'-PA-O3A
128	R8	502	GTP	C5'-O5'-PA-O1A
128	S0	501	GTP	C5'-O5'-PA-O3A
128	S0	501	GTP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
128	S0	501	GTP	C5'-O5'-PA-O2A
128	S2	501	GTP	C5'-O5'-PA-O3A
128	S2	501	GTP	C5'-O5'-PA-O1A
128	S5	501	GTP	C5'-O5'-PA-O3A
128	S5	501	GTP	C5'-O5'-PA-O1A
128	S5	501	GTP	C5'-O5'-PA-O2A
128	S8	501	GTP	C5'-O5'-PA-O3A
128	S8	501	GTP	C5'-O5'-PA-O2A
128	S9	501	GTP	PB-O3A-PA-O5'
128	S9	501	GTP	C5'-O5'-PA-O3A
128	S9	501	GTP	C5'-O5'-PA-O2A
128	T2	501	GTP	C5'-O5'-PA-O3A
128	T2	501	GTP	C5'-O5'-PA-O1A
128	T2	501	GTP	C5'-O5'-PA-O2A
128	T4	501	GTP	PB-O3B-PG-O2G
128	T4	501	GTP	C5'-O5'-PA-O3A
128	T4	501	GTP	C5'-O5'-PA-O1A
128	T4	501	GTP	C5'-O5'-PA-O2A
128	T6	501	GTP	C5'-O5'-PA-O3A
128	T6	501	GTP	C5'-O5'-PA-O1A
128	T6	501	GTP	C5'-O5'-PA-O2A
128	U4	501	GTP	C5'-O5'-PA-O3A
128	U4	501	GTP	C5'-O5'-PA-O1A
128	U4	501	GTP	C5'-O5'-PA-O2A
128	U6	501	GTP	PB-O3A-PA-O5'
128	U6	501	GTP	C5'-O5'-PA-O3A
128	U6	501	GTP	C5'-O5'-PA-O2A
128	U7	501	GTP	C5'-O5'-PA-O3A
128	U7	501	GTP	C5'-O5'-PA-O1A
128	U7	501	GTP	C5'-O5'-PA-O2A
128	U9	501	GTP	C5'-O5'-PA-O3A
128	U9	501	GTP	C5'-O5'-PA-O1A
128	U9	501	GTP	C5'-O5'-PA-O2A
128	U9	501	GTP	O4'-C4'-C5'-O5'
128	V2	501	GTP	C5'-O5'-PA-O3A
128	V2	501	GTP	C5'-O5'-PA-O2A
128	V3	501	GTP	C5'-O5'-PA-O3A
128	V3	501	GTP	C5'-O5'-PA-O1A
128	V3	501	GTP	C5'-O5'-PA-O2A
128	V8	501	GTP	C5'-O5'-PA-O3A
128	V8	501	GTP	C5'-O5'-PA-O2A
128	W0	501	GTP	PB-O3B-PG-O2G

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Mol	Chain	Res	Type	Atoms
128	W0	501	GTP	PB-O3B-PG-O3G
128	W0	501	GTP	C5'-O5'-PA-O3A
128	W2	501	GTP	C5'-O5'-PA-O3A
128	W2	501	GTP	C5'-O5'-PA-O1A
128	W2	501	GTP	C5'-O5'-PA-O2A
128	W4	501	GTP	C5'-O5'-PA-O3A
128	W4	501	GTP	C5'-O5'-PA-O1A
128	W4	501	GTP	C5'-O5'-PA-O2A
128	W5	501	GTP	C5'-O5'-PA-O3A
128	W5	501	GTP	C5'-O5'-PA-O2A
128	W8	501	GTP	C5'-O5'-PA-O3A
128	W8	501	GTP	C5'-O5'-PA-O1A
128	W8	501	GTP	O4'-C4'-C5'-O5'
128	X0	501	GTP	O4'-C4'-C5'-O5'
128	X4	501	GTP	C5'-O5'-PA-O1A
128	X6	501	GTP	C5'-O5'-PA-O3A
128	X6	501	GTP	C5'-O5'-PA-O2A
128	X7	501	GTP	C5'-O5'-PA-O3A
128	X7	501	GTP	C5'-O5'-PA-O1A
128	Y0	501	GTP	PB-O3A-PA-O5'
128	Y0	501	GTP	C5'-O5'-PA-O3A
128	Y0	501	GTP	C5'-O5'-PA-O1A
128	Y0	501	GTP	C5'-O5'-PA-O2A
128	Y1	501	GTP	C5'-O5'-PA-O3A
128	Y1	501	GTP	C5'-O5'-PA-O2A
128	Y6	501	GTP	PB-O3A-PA-O5'
128	Y6	501	GTP	C5'-O5'-PA-O3A
128	Y6	501	GTP	C5'-O5'-PA-O1A
128	Y6	501	GTP	C5'-O5'-PA-O2A
128	Z0	501	GTP	C5'-O5'-PA-O1A
128	Z2	501	GTP	C5'-O5'-PA-O3A
128	Z2	501	GTP	C5'-O5'-PA-O2A
128	Z6	501	GTP	PB-O3B-PG-O2G
128	Z7	501	GTP	C5'-O5'-PA-O3A
128	Z7	501	GTP	C5'-O5'-PA-O2A
129	0C	502	GDP	PA-O3A-PB-O3B
129	0E	501	GDP	PA-O3A-PB-O2B
129	0E	501	GDP	PA-O3A-PB-O3B
129	0E	501	GDP	C5'-O5'-PA-O1A
129	0G	501	GDP	PA-O3A-PB-O3B
129	0I	503	GDP	PA-O3A-PB-O3B
129	0M	502	GDP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
129	0Q	503	GDP	PA-O3A-PB-O3B
129	0S	501	GDP	C5'-O5'-PA-O1A
129	0U	501	GDP	PA-O3A-PB-O3B
129	0Y	502	GDP	PA-O3A-PB-O3B
129	0Y	502	GDP	C5'-O5'-PA-O1A
129	1A	502	GDP	PA-O3A-PB-O3B
129	1A	502	GDP	C5'-O5'-PA-O1A
129	1C	502	GDP	PA-O3A-PB-O3B
129	1E	501	GDP	PA-O3A-PB-O3B
129	1E	501	GDP	C5'-O5'-PA-O1A
129	1G	502	GDP	PA-O3A-PB-O3B
129	1K	501	GDP	PA-O3A-PB-O3B
129	1K	501	GDP	C5'-O5'-PA-O1A
129	1M	501	GDP	PA-O3A-PB-O3B
129	1O	501	GDP	C5'-O5'-PA-O1A
129	1Q	502	GDP	PA-O3A-PB-O3B
129	1S	502	GDP	PA-O3A-PB-O3B
129	1U	501	GDP	PA-O3A-PB-O3B
129	1U	501	GDP	C5'-O5'-PA-O1A
129	1W	502	GDP	PA-O3A-PB-O3B
129	1W	502	GDP	C5'-O5'-PA-O1A
129	2A	502	GDP	PA-O3A-PB-O3B
129	2C	502	GDP	PA-O3A-PB-O3B
129	2E	502	GDP	PA-O3A-PB-O3B
129	2G	502	GDP	C5'-O5'-PA-O1A
129	2I	502	GDP	PA-O3A-PB-O3B
129	2K	502	GDP	PA-O3A-PB-O3B
129	2K	502	GDP	C5'-O5'-PA-O1A
129	2M	501	GDP	PA-O3A-PB-O3B
129	2Q	502	GDP	PA-O3A-PB-O3B
129	2S	502	GDP	PA-O3A-PB-O3B
129	2W	502	GDP	PA-O3A-PB-O3B
129	2Y	502	GDP	C5'-O5'-PA-O1A
129	3A	502	GDP	C5'-O5'-PA-O1A
129	3C	502	GDP	PA-O3A-PB-O3B
129	3G	502	GDP	PA-O3A-PB-O3B
129	3I	502	GDP	PA-O3A-PB-O3B
129	3M	502	GDP	C5'-O5'-PA-O1A
129	3O	502	GDP	C5'-O5'-PA-O1A
129	3Q	501	GDP	C5'-O5'-PA-O1A
129	3S	502	GDP	C5'-O5'-PA-O1A
129	8H	502	GDP	C5'-O5'-PA-O3A

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Mol	Chain	Res	Type	Atoms
129	8H	502	GDP	C5'-O5'-PA-O1A
129	8J	501	GDP	C5'-O5'-PA-O3A
129	8J	501	GDP	C5'-O5'-PA-O1A
129	8L	502	GDP	C5'-O5'-PA-O3A
129	8L	502	GDP	C5'-O5'-PA-O1A
129	8N	501	GDP	PA-O3A-PB-O3B
129	A1	502	GDP	PA-O3A-PB-O2B
129	A1	502	GDP	PA-O3A-PB-O3B
129	A3	501	GDP	PA-O3A-PB-O3B
129	A5	501	GDP	PA-O3A-PB-O3B
129	A6	501	GDP	C5'-O5'-PA-O3A
129	A6	501	GDP	C5'-O5'-PA-O1A
129	A9	502	GDP	C5'-O5'-PA-O3A
129	A9	502	GDP	C5'-O5'-PA-O1A
129	AJ	501	GDP	PA-O3A-PB-O3B
129	Ah	501	GDP	C5'-O5'-PA-O3A
129	Ah	501	GDP	C5'-O5'-PA-O1A
129	Aj	502	GDP	C5'-O5'-PA-O1A
129	Al	501	GDP	PA-O3A-PB-O3B
129	An	502	GDP	PA-O3A-PB-O3B
129	Ap	501	GDP	PA-O3A-PB-O3B
129	Au	501	GDP	C5'-O5'-PA-O3A
129	Au	501	GDP	C5'-O5'-PA-O1A
129	Aw	501	GDP	C5'-O5'-PA-O3A
129	Aw	501	GDP	C5'-O5'-PA-O1A
129	Ay	503	GDP	C5'-O5'-PA-O3A
129	Ay	503	GDP	C5'-O5'-PA-O2A
129	B1	501	GDP	C5'-O5'-PA-O1A
129	B3	501	GDP	C5'-O5'-PA-O3A
129	B3	501	GDP	C5'-O5'-PA-O1A
129	B5	502	GDP	C5'-O5'-PA-O3A
129	B6	501	GDP	PA-O3A-PB-O3B
129	B8	501	GDP	C5'-O5'-PA-O3A
129	BB	502	GDP	C5'-O5'-PA-O1A
129	BG	502	GDP	C5'-O5'-PA-O1A
129	BI	501	GDP	PA-O3A-PB-O3B
129	BK	501	GDP	PA-O3A-PB-O3B
129	BM	501	GDP	PA-O3A-PB-O3B
129	BO	501	GDP	PA-O3A-PB-O3B
129	BS	501	GDP	PA-O3A-PB-O3B
129	BU	502	GDP	PA-O3A-PB-O3B
129	BW	502	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	BY	502	GDP	C5'-O5'-PA-O1A
129	Ba	502	GDP	C5'-O5'-PA-O1A
129	Bf	501	GDP	PA-O3A-PB-O2B
129	Bf	501	GDP	PA-O3A-PB-O3B
129	Bh	502	GDP	PA-O3A-PB-O3B
129	Bj	501	GDP	PA-O3A-PB-O3B
129	Bl	502	GDP	PA-O3A-PB-O3B
129	Bn	501	GDP	O4'-C4'-C5'-O5'
129	Bs	501	GDP	PA-O3A-PB-O3B
129	Bw	503	GDP	PA-O3A-PB-O3B
129	By	503	GDP	PA-O3A-PB-O3B
129	C0	502	GDP	C5'-O5'-PA-O1A
129	C2	501	GDP	C5'-O5'-PA-O3A
129	C6	501	GDP	PA-O3A-PB-O3B
129	CE	501	GDP	C5'-O5'-PA-O1A
129	CG	502	GDP	C5'-O5'-PA-O1A
129	CI	503	GDP	C5'-O5'-PA-O1A
129	CK	502	GDP	PA-O3A-PB-O3B
129	CM	503	GDP	PA-O3A-PB-O3B
129	CR	501	GDP	PA-O3A-PB-O3B
129	CR	501	GDP	C5'-O5'-PA-O1A
129	CV	501	GDP	PA-O3A-PB-O3B
129	CX	502	GDP	PA-O3A-PB-O3B
129	CZ	502	GDP	C5'-O5'-PA-O3A
129	CZ	502	GDP	C5'-O5'-PA-O1A
129	Ce	501	GDP	C5'-O5'-PA-O3A
129	Ce	501	GDP	C5'-O5'-PA-O1A
129	Cg	502	GDP	C5'-O5'-PA-O3A
129	Cg	502	GDP	C5'-O5'-PA-O1A
129	Ck	501	GDP	C5'-O5'-PA-O3A
129	Ck	501	GDP	C5'-O5'-PA-O1A
129	Cm	502	GDP	C5'-O5'-PA-O3A
129	Ct	502	GDP	PA-O3A-PB-O3B
129	Cv	503	GDP	C5'-O5'-PA-O1A
129	Cx	502	GDP	C5'-O5'-PA-O1A
129	Cz	502	GDP	C5'-O5'-PA-O3A
129	Cz	502	GDP	C5'-O5'-PA-O1A
129	D4	501	GDP	PA-O3A-PB-O3B
129	D6	501	GDP	PA-O3A-PB-O3B
129	D8	501	GDP	PA-O3A-PB-O3B
129	DE	502	GDP	C5'-O5'-PA-O1A
129	DG	502	GDP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
129	DG	502	GDP	C5'-O5'-PA-O1A
129	DI	501	GDP	C5'-O5'-PA-O1A
129	DK	502	GDP	PA-O3A-PB-O3B
129	DK	502	GDP	C5'-O5'-PA-O1A
129	DM	502	GDP	C5'-O5'-PA-O1A
129	DT	502	GDP	C5'-O5'-PA-O1A
129	DV	502	GDP	PA-O3A-PB-O2B
129	DV	502	GDP	PA-O3A-PB-O3B
129	DX	502	GDP	PA-O3A-PB-O3B
129	DX	502	GDP	C5'-O5'-PA-O3A
129	DX	502	GDP	C5'-O5'-PA-O1A
129	DX	502	GDP	O4'-C4'-C5'-O5'
129	DX	502	GDP	C3'-C4'-C5'-O5'
129	DZ	502	GDP	C5'-O5'-PA-O1A
129	Dg	501	GDP	PA-O3A-PB-O3B
129	Di	502	GDP	C5'-O5'-PA-O1A
129	Dk	502	GDP	PA-O3A-PB-O3B
129	Dk	502	GDP	C5'-O5'-PA-O1A
129	Dm	502	GDP	C5'-O5'-PA-O1A
129	Dv	501	GDP	PA-O3A-PB-O2B
129	Dv	501	GDP	PA-O3A-PB-O3B
129	Dx	501	GDP	C5'-O5'-PA-O1A
129	Dz	502	GDP	C5'-O5'-PA-O1A
129	E4	502	GDP	PA-O3A-PB-O3B
129	ED	502	GDP	C5'-O5'-PA-O3A
129	EF	502	GDP	PA-O3A-PB-O3B
129	EH	502	GDP	C5'-O5'-PA-O1A
129	EJ	501	GDP	PA-O3A-PB-O3B
129	EL	502	GDP	PA-O3A-PB-O3B
129	Ef	501	GDP	C5'-O5'-PA-O1A
129	El	502	GDP	C5'-O5'-PA-O1A
129	Eq	502	GDP	C5'-O5'-PA-O1A
129	Ew	502	GDP	C5'-O5'-PA-O1A
129	F8	502	GDP	PA-O3A-PB-O3B
129	FC	501	GDP	C5'-O5'-PA-O1A
129	FE	502	GDP	PA-O3A-PB-O3B
129	FG	502	GDP	PA-O3A-PB-O3B
129	FG	502	GDP	C5'-O5'-PA-O1A
129	FI	502	GDP	PA-O3A-PB-O3B
129	FI	502	GDP	C5'-O5'-PA-O1A
129	FK	501	GDP	PA-O3A-PB-O3B
129	FR	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	FT	503	GDP	PA-O3A-PB-O3B
129	FV	502	GDP	PA-O3A-PB-O3B
129	FX	501	GDP	PA-O3A-PB-O3B
129	FX	501	GDP	C5'-O5'-PA-O3A
129	FX	501	GDP	C5'-O5'-PA-O1A
129	FX	501	GDP	O4'-C4'-C5'-O5'
129	Fc	502	GDP	PA-O3A-PB-O2B
129	Fc	502	GDP	PA-O3A-PB-O3B
129	Fe	502	GDP	PA-O3A-PB-O3B
129	Fg	502	GDP	C5'-O5'-PA-O1A
129	Fi	502	GDP	PA-O3A-PB-O3B
129	Fk	502	GDP	PA-O3A-PB-O2B
129	Fk	502	GDP	PA-O3A-PB-O3B
129	Fp	502	GDP	PA-O3A-PB-O3B
129	Fr	502	GDP	PA-O3A-PB-O3B
129	Ft	502	GDP	PA-O3A-PB-O2B
129	Ft	502	GDP	PA-O3A-PB-O3B
129	Fv	502	GDP	C5'-O5'-PA-O3A
129	Fx	502	GDP	C5'-O5'-PA-O3A
129	Fx	502	GDP	C5'-O5'-PA-O1A
129	G6	501	GDP	PA-O3A-PB-O3B
129	GB	502	GDP	PA-O3A-PB-O3B
129	GD	502	GDP	C5'-O5'-PA-O3A
129	GD	502	GDP	C5'-O5'-PA-O1A
129	GF	502	GDP	C5'-O5'-PA-O1A
129	GH	502	GDP	C5'-O5'-PA-O1A
129	GJ	501	GDP	C5'-O5'-PA-O1A
129	H4	501	GDP	PA-O3A-PB-O3B
129	I4	503	GDP	PA-O3A-PB-O3B
129	I8	502	GDP	C5'-O5'-PA-O1A
129	IK	502	GDP	PA-O3A-PB-O3B
129	IM	501	GDP	C5'-O5'-PA-O1A
129	IW	502	GDP	C5'-O5'-PA-O3A
129	IW	502	GDP	C5'-O5'-PA-O2A
129	IY	501	GDP	C5'-O5'-PA-O3A
129	IY	501	GDP	C5'-O5'-PA-O1A
129	Ij	501	GDP	PA-O3A-PB-O3B
129	Il	501	GDP	PA-O3A-PB-O3B
129	J0	502	GDP	PA-O3A-PB-O3B
129	J2	502	GDP	C5'-O5'-PA-O1A
129	J6	502	GDP	PA-O3A-PB-O2B
129	J6	502	GDP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
129	J8	503	GDP	PA-O3A-PB-O3B
129	JU	503	GDP	PA-O3A-PB-O2B
129	JU	503	GDP	PA-O3A-PB-O3B
129	JW	503	GDP	PA-O3A-PB-O3B
129	JY	501	GDP	PA-O3A-PB-O3B
129	Jj	502	GDP	PA-O3A-PB-O3B
129	Jl	503	GDP	PA-O3A-PB-O3B
129	Ju	501	GDP	PA-O3A-PB-O3B
129	Jw	502	GDP	PA-O3A-PB-O3B
129	Jy	502	GDP	PA-O3A-PB-O3B
129	K0	502	GDP	PA-O3A-PB-O3B
129	K4	502	GDP	PA-O3A-PB-O3B
129	K6	502	GDP	PA-O3A-PB-O3B
129	KJ	501	GDP	C5'-O5'-PA-O3A
129	KJ	501	GDP	C5'-O5'-PA-O1A
129	KL	502	GDP	PA-O3A-PB-O3B
129	KL	502	GDP	C5'-O5'-PA-O3A
129	KL	502	GDP	C5'-O5'-PA-O1A
129	KW	502	GDP	C5'-O5'-PA-O1A
129	KY	502	GDP	C5'-O5'-PA-O1A
129	Kl	502	GDP	PA-O3A-PB-O3B
129	Kv	503	GDP	PA-O3A-PB-O3B
129	Kx	502	GDP	PA-O3A-PB-O3B
129	Kx	502	GDP	C5'-O5'-PA-O1A
129	Kx	502	GDP	O4'-C4'-C5'-O5'
129	L2	502	GDP	PA-O3A-PB-O3B
129	L4	502	GDP	PA-O3A-PB-O3B
129	L6	502	GDP	PA-O3A-PB-O3B
129	LH	502	GDP	C5'-O5'-PA-O1A
129	LJ	502	GDP	PA-O3A-PB-O3B
129	LT	501	GDP	PA-O3A-PB-O2B
129	LT	501	GDP	PA-O3A-PB-O3B
129	LV	501	GDP	C5'-O5'-PA-O1A
129	Lh	502	GDP	C5'-O5'-PA-O1A
129	Lj	501	GDP	PA-O3A-PB-O3B
129	M0	502	GDP	C5'-O5'-PA-O1A
129	M2	502	GDP	PA-O3A-PB-O3B
129	M4	502	GDP	C5'-O5'-PA-O3A
129	M4	502	GDP	C5'-O5'-PA-O1A
129	M6	502	GDP	C5'-O5'-PA-O1A
129	M8	501	GDP	C5'-O5'-PA-O3A
129	Mg	502	GDP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
129	Mi	501	GDP	PA-O3A-PB-O3B
129	Mt	502	GDP	PA-O3A-PB-O3B
129	Mt	502	GDP	C5'-O5'-PA-O3A
129	Mt	502	GDP	C5'-O5'-PA-O1A
129	Mv	501	GDP	PA-O3A-PB-O3B
129	Mv	501	GDP	C5'-O5'-PA-O1A
129	Mv	501	GDP	O4'-C4'-C5'-O5'
129	N0	502	GDP	C5'-O5'-PA-O3A
129	N0	502	GDP	C5'-O5'-PA-O2A
129	NF	502	GDP	C5'-O5'-PA-O1A
129	NH	502	GDP	PA-O3A-PB-O3B
129	NJ	502	GDP	PA-O3A-PB-O3B
129	NS	502	GDP	PA-O3A-PB-O3B
129	NU	502	GDP	C5'-O5'-PA-O3A
129	NU	502	GDP	C5'-O5'-PA-O1A
129	NW	502	GDP	C5'-O5'-PA-O3A
129	NW	502	GDP	C5'-O5'-PA-O1A
129	Nh	502	GDP	C5'-O5'-PA-O1A
129	Nj	501	GDP	C5'-O5'-PA-O1A
129	O0	502	GDP	PA-O3A-PB-O3B
129	O6	502	GDP	C5'-O5'-PA-O1A
129	P8	502	GDP	PA-O3A-PB-O3B
129	P8	502	GDP	C5'-O5'-PA-O1A
129	Q2	502	GDP	PA-O3A-PB-O3B
129	Q2	502	GDP	C5'-O5'-PA-O1A
129	Q4	502	GDP	PA-O3A-PB-O3B
129	Q4	502	GDP	C5'-O5'-PA-O1A
129	Q4	502	GDP	O4'-C4'-C5'-O5'
129	Q6	502	GDP	PA-O3A-PB-O2B
129	Q6	502	GDP	PA-O3A-PB-O3B
129	Q6	502	GDP	C5'-O5'-PA-O3A
129	Q6	502	GDP	C5'-O5'-PA-O1A
129	Q6	502	GDP	O4'-C4'-C5'-O5'
129	R2	503	GDP	C5'-O5'-PA-O1A
129	R6	502	GDP	PA-O3A-PB-O2B
129	R6	502	GDP	PA-O3A-PB-O3B
129	R8	503	GDP	PA-O3A-PB-O3B
129	R8	503	GDP	C5'-O5'-PA-O3A
129	R8	503	GDP	C5'-O5'-PA-O1A
129	R8	503	GDP	O4'-C4'-C5'-O5'
129	S0	502	GDP	C5'-O5'-PA-O1A
129	S2	502	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	S4	501	GDP	C5'-O5'-PA-O1A
129	T0	501	GDP	PA-O3A-PB-O3B
129	T2	502	GDP	C5'-O5'-PA-O1A
129	T4	502	GDP	PA-O3A-PB-O3B
129	T6	502	GDP	C5'-O5'-PA-O1A
129	T8	502	GDP	C5'-O5'-PA-O1A
129	U4	502	GDP	PA-O3A-PB-O3B
129	V0	501	GDP	C5'-O5'-PA-O3A
129	V0	501	GDP	C5'-O5'-PA-O1A
129	V2	502	GDP	C5'-O5'-PA-O1A
129	V6	501	GDP	PA-O3A-PB-O3B
129	V8	502	GDP	C5'-O5'-PA-O3A
129	V8	502	GDP	C5'-O5'-PA-O1A
129	W0	502	GDP	C5'-O5'-PA-O3A
129	W0	502	GDP	C5'-O5'-PA-O1A
129	W2	502	GDP	PA-O3A-PB-O3B
129	W4	502	GDP	C5'-O5'-PA-O3A
129	W4	502	GDP	C5'-O5'-PA-O1A
129	W6	501	GDP	PA-O3A-PB-O3B
129	W8	502	GDP	PA-O3A-PB-O3B
129	Y0	502	GDP	C5'-O5'-PA-O1A
129	Z4	501	GDP	C5'-O5'-PA-O1A
129	Z6	502	GDP	C5'-O5'-PA-O1A
128	0O	501	GTP	O4'-C4'-C5'-O5'
128	0O	501	GTP	C3'-C4'-C5'-O5'
128	0V	501	GTP	C3'-C4'-C5'-O5'
128	0Y	501	GTP	O4'-C4'-C5'-O5'
128	1L	501	GTP	O4'-C4'-C5'-O5'
128	1L	501	GTP	C3'-C4'-C5'-O5'
128	1Q	501	GTP	O4'-C4'-C5'-O5'
128	1Q	501	GTP	C3'-C4'-C5'-O5'
128	2E	501	GTP	O4'-C4'-C5'-O5'
128	2E	501	GTP	C3'-C4'-C5'-O5'
128	2Q	501	GTP	C3'-C4'-C5'-O5'
128	2S	501	GTP	O4'-C4'-C5'-O5'
128	2S	501	GTP	C3'-C4'-C5'-O5'
128	3A	501	GTP	O4'-C4'-C5'-O5'
128	3A	501	GTP	C3'-C4'-C5'-O5'
128	3G	501	GTP	O4'-C4'-C5'-O5'
128	A1	501	GTP	O4'-C4'-C5'-O5'
128	A9	501	GTP	O4'-C4'-C5'-O5'
128	A9	501	GTP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	AT	501	GTP	C3'-C4'-C5'-O5'
128	Ak	501	GTP	O4'-C4'-C5'-O5'
128	Ak	501	GTP	C3'-C4'-C5'-O5'
128	An	501	GTP	O4'-C4'-C5'-O5'
128	At	501	GTP	O4'-C4'-C5'-O5'
128	At	501	GTP	C3'-C4'-C5'-O5'
128	Az	501	GTP	O4'-C4'-C5'-O5'
128	B0	501	GTP	C3'-C4'-C5'-O5'
128	B2	501	GTP	O4'-C4'-C5'-O5'
128	B7	501	GTP	C3'-C4'-C5'-O5'
128	BB	501	GTP	O4'-C4'-C5'-O5'
128	BB	501	GTP	C3'-C4'-C5'-O5'
128	BW	501	GTP	O4'-C4'-C5'-O5'
128	BW	501	GTP	C3'-C4'-C5'-O5'
128	By	502	GTP	O4'-C4'-C5'-O5'
128	By	502	GTP	C3'-C4'-C5'-O5'
128	CG	501	GTP	O4'-C4'-C5'-O5'
128	CG	501	GTP	C3'-C4'-C5'-O5'
128	CK	501	GTP	C3'-C4'-C5'-O5'
128	CS	501	GTP	O4'-C4'-C5'-O5'
128	CX	501	GTP	C3'-C4'-C5'-O5'
128	CZ	501	GTP	O4'-C4'-C5'-O5'
128	Ce	502	GTP	C3'-C4'-C5'-O5'
128	Cg	501	GTP	O4'-C4'-C5'-O5'
128	Cg	501	GTP	C3'-C4'-C5'-O5'
128	Ci	501	GTP	O4'-C4'-C5'-O5'
128	Ci	501	GTP	C3'-C4'-C5'-O5'
128	Cj	501	GTP	O4'-C4'-C5'-O5'
128	Cm	501	GTP	C3'-C4'-C5'-O5'
128	DH	501	GTP	O4'-C4'-C5'-O5'
128	DH	501	GTP	C3'-C4'-C5'-O5'
128	DM	501	GTP	O4'-C4'-C5'-O5'
128	DM	501	GTP	C3'-C4'-C5'-O5'
128	DR	501	GTP	O4'-C4'-C5'-O5'
128	DR	501	GTP	C3'-C4'-C5'-O5'
128	DZ	501	GTP	O4'-C4'-C5'-O5'
128	DZ	501	GTP	C3'-C4'-C5'-O5'
128	De	501	GTP	C3'-C4'-C5'-O5'
128	Dr	501	GTP	O4'-C4'-C5'-O5'
128	Dr	501	GTP	C3'-C4'-C5'-O5'
128	Dw	501	GTP	O4'-C4'-C5'-O5'
128	Dw	501	GTP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	ED	501	GTP	O4'-C4'-C5'-O5'
128	EF	501	GTP	C3'-C4'-C5'-O5'
128	EH	501	GTP	C3'-C4'-C5'-O5'
128	EI	501	GTP	O4'-C4'-C5'-O5'
128	EI	501	GTP	C3'-C4'-C5'-O5'
128	EY	501	GTP	C3'-C4'-C5'-O5'
128	Ed	501	GTP	C3'-C4'-C5'-O5'
128	Eq	501	GTP	C3'-C4'-C5'-O5'
128	Ew	501	GTP	O4'-C4'-C5'-O5'
128	Ew	501	GTP	C3'-C4'-C5'-O5'
128	FT	502	GTP	O4'-C4'-C5'-O5'
128	FW	501	GTP	O4'-C4'-C5'-O5'
128	FW	501	GTP	C3'-C4'-C5'-O5'
128	Fr	501	GTP	O4'-C4'-C5'-O5'
128	Fr	501	GTP	C3'-C4'-C5'-O5'
128	Ft	501	GTP	O4'-C4'-C5'-O5'
128	Ft	501	GTP	C3'-C4'-C5'-O5'
128	Fv	501	GTP	O4'-C4'-C5'-O5'
128	Fx	501	GTP	C3'-C4'-C5'-O5'
128	GB	501	GTP	O4'-C4'-C5'-O5'
128	GB	501	GTP	C3'-C4'-C5'-O5'
128	GF	501	GTP	C3'-C4'-C5'-O5'
128	GI	501	GTP	C3'-C4'-C5'-O5'
128	H2	501	GTP	O4'-C4'-C5'-O5'
128	H2	501	GTP	C3'-C4'-C5'-O5'
128	H3	501	GTP	O4'-C4'-C5'-O5'
128	H3	501	GTP	C3'-C4'-C5'-O5'
128	H6	501	GTP	O4'-C4'-C5'-O5'
128	I0	501	GTP	O4'-C4'-C5'-O5'
128	I0	501	GTP	C3'-C4'-C5'-O5'
128	I1	501	GTP	O4'-C4'-C5'-O5'
128	I1	501	GTP	C3'-C4'-C5'-O5'
128	I5	501	GTP	O4'-C4'-C5'-O5'
128	I5	501	GTP	C3'-C4'-C5'-O5'
128	I8	501	GTP	O4'-C4'-C5'-O5'
128	I8	501	GTP	C3'-C4'-C5'-O5'
128	IK	501	GTP	O4'-C4'-C5'-O5'
128	IK	501	GTP	C3'-C4'-C5'-O5'
128	IX	501	GTP	O4'-C4'-C5'-O5'
128	J2	501	GTP	O4'-C4'-C5'-O5'
128	J2	501	GTP	C3'-C4'-C5'-O5'
128	J6	501	GTP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	J8	502	GTP	C3'-C4'-C5'-O5'
128	JW	502	GTP	O4'-C4'-C5'-O5'
128	JW	502	GTP	C3'-C4'-C5'-O5'
128	JX	501	GTP	O4'-C4'-C5'-O5'
128	JX	501	GTP	C3'-C4'-C5'-O5'
128	Jw	501	GTP	C3'-C4'-C5'-O5'
128	K4	501	GTP	C3'-C4'-C5'-O5'
128	KH	501	GTP	O4'-C4'-C5'-O5'
128	KH	501	GTP	C3'-C4'-C5'-O5'
128	KI	501	GTP	C3'-C4'-C5'-O5'
128	KL	501	GTP	C3'-C4'-C5'-O5'
128	KW	501	GTP	O4'-C4'-C5'-O5'
128	Kj	502	GTP	C3'-C4'-C5'-O5'
128	Kl	501	GTP	O4'-C4'-C5'-O5'
128	Kl	501	GTP	C3'-C4'-C5'-O5'
128	L2	501	GTP	C3'-C4'-C5'-O5'
128	L4	501	GTP	O4'-C4'-C5'-O5'
128	L4	501	GTP	C3'-C4'-C5'-O5'
128	LU	501	GTP	O4'-C4'-C5'-O5'
128	LU	501	GTP	C3'-C4'-C5'-O5'
128	LX	501	GTP	O4'-C4'-C5'-O5'
128	LX	501	GTP	C3'-C4'-C5'-O5'
128	Li	501	GTP	O4'-C4'-C5'-O5'
128	Li	501	GTP	C3'-C4'-C5'-O5'
128	M0	501	GTP	C3'-C4'-C5'-O5'
128	M2	501	GTP	O4'-C4'-C5'-O5'
128	M2	501	GTP	C3'-C4'-C5'-O5'
128	M4	501	GTP	O4'-C4'-C5'-O5'
128	M6	501	GTP	O4'-C4'-C5'-O5'
128	M6	501	GTP	C3'-C4'-C5'-O5'
128	M7	501	GTP	C3'-C4'-C5'-O5'
128	Mg	501	GTP	O4'-C4'-C5'-O5'
128	Mg	501	GTP	C3'-C4'-C5'-O5'
128	Mh	501	GTP	O4'-C4'-C5'-O5'
128	Mh	501	GTP	C3'-C4'-C5'-O5'
128	Mu	501	GTP	O4'-C4'-C5'-O5'
128	Mu	501	GTP	C3'-C4'-C5'-O5'
128	N0	501	GTP	C3'-C4'-C5'-O5'
128	N1	501	GTP	C3'-C4'-C5'-O5'
128	NH	501	GTP	C3'-C4'-C5'-O5'
128	NU	501	GTP	O4'-C4'-C5'-O5'
128	NW	501	GTP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	NW	501	GTP	C3'-C4'-C5'-O5'
128	Nf	501	GTP	O4'-C4'-C5'-O5'
128	Nf	501	GTP	C3'-C4'-C5'-O5'
128	Ni	501	GTP	C3'-C4'-C5'-O5'
128	O4	502	GTP	O4'-C4'-C5'-O5'
128	O4	502	GTP	C3'-C4'-C5'-O5'
128	R0	501	GTP	O4'-C4'-C5'-O5'
128	R2	502	GTP	C3'-C4'-C5'-O5'
128	R4	501	GTP	O4'-C4'-C5'-O5'
128	R4	501	GTP	C3'-C4'-C5'-O5'
128	T8	501	GTP	O4'-C4'-C5'-O5'
128	U2	501	GTP	C3'-C4'-C5'-O5'
128	U6	501	GTP	O4'-C4'-C5'-O5'
128	U6	501	GTP	C3'-C4'-C5'-O5'
128	U9	501	GTP	C3'-C4'-C5'-O5'
128	V3	501	GTP	O4'-C4'-C5'-O5'
128	V3	501	GTP	C3'-C4'-C5'-O5'
128	V8	501	GTP	O4'-C4'-C5'-O5'
128	V8	501	GTP	C3'-C4'-C5'-O5'
128	W0	501	GTP	O4'-C4'-C5'-O5'
128	W0	501	GTP	C3'-C4'-C5'-O5'
128	W2	501	GTP	O4'-C4'-C5'-O5'
128	W2	501	GTP	C3'-C4'-C5'-O5'
128	W5	501	GTP	C3'-C4'-C5'-O5'
128	W8	501	GTP	C3'-C4'-C5'-O5'
128	X0	501	GTP	C3'-C4'-C5'-O5'
128	X4	501	GTP	O4'-C4'-C5'-O5'
128	X4	501	GTP	C3'-C4'-C5'-O5'
128	Z2	501	GTP	C3'-C4'-C5'-O5'
129	0W	501	GDP	O4'-C4'-C5'-O5'
129	0W	501	GDP	C3'-C4'-C5'-O5'
129	0Y	502	GDP	O4'-C4'-C5'-O5'
129	0Y	502	GDP	C3'-C4'-C5'-O5'
129	1K	501	GDP	O4'-C4'-C5'-O5'
129	1K	501	GDP	C3'-C4'-C5'-O5'
129	Bn	501	GDP	C3'-C4'-C5'-O5'
129	DV	502	GDP	O4'-C4'-C5'-O5'
129	DV	502	GDP	C3'-C4'-C5'-O5'
129	Dk	502	GDP	O4'-C4'-C5'-O5'
129	Dk	502	GDP	C3'-C4'-C5'-O5'
129	ED	502	GDP	O4'-C4'-C5'-O5'
129	ED	502	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	FC	501	GDP	O4'-C4'-C5'-O5'
129	FC	501	GDP	C3'-C4'-C5'-O5'
129	FX	501	GDP	C3'-C4'-C5'-O5'
129	JL	501	GDP	O4'-C4'-C5'-O5'
129	Kx	502	GDP	C3'-C4'-C5'-O5'
129	LJ	502	GDP	O4'-C4'-C5'-O5'
129	LJ	502	GDP	C3'-C4'-C5'-O5'
129	Mv	501	GDP	C3'-C4'-C5'-O5'
129	Q2	502	GDP	C3'-C4'-C5'-O5'
129	Q4	502	GDP	C3'-C4'-C5'-O5'
129	Q6	502	GDP	C3'-C4'-C5'-O5'
129	R8	503	GDP	C3'-C4'-C5'-O5'
129	T0	501	GDP	C3'-C4'-C5'-O5'
129	V6	501	GDP	O4'-C4'-C5'-O5'
129	V6	501	GDP	C3'-C4'-C5'-O5'
128	0Q	502	GTP	O4'-C4'-C5'-O5'
128	0Q	502	GTP	C3'-C4'-C5'-O5'
128	0Y	501	GTP	C3'-C4'-C5'-O5'
128	1N	501	GTP	O4'-C4'-C5'-O5'
128	1N	501	GTP	C3'-C4'-C5'-O5'
128	1W	501	GTP	O4'-C4'-C5'-O5'
128	1X	501	GTP	O4'-C4'-C5'-O5'
128	1X	501	GTP	C3'-C4'-C5'-O5'
128	2K	501	GTP	O4'-C4'-C5'-O5'
128	2K	501	GTP	C3'-C4'-C5'-O5'
128	2Y	501	GTP	O4'-C4'-C5'-O5'
128	2Y	501	GTP	C3'-C4'-C5'-O5'
128	3G	501	GTP	C3'-C4'-C5'-O5'
128	A1	501	GTP	C3'-C4'-C5'-O5'
128	AT	501	GTP	O4'-C4'-C5'-O5'
128	An	501	GTP	C3'-C4'-C5'-O5'
128	Av	501	GTP	O4'-C4'-C5'-O5'
128	Av	501	GTP	C3'-C4'-C5'-O5'
128	Az	501	GTP	C3'-C4'-C5'-O5'
128	B0	501	GTP	O4'-C4'-C5'-O5'
128	B2	501	GTP	C3'-C4'-C5'-O5'
128	B7	501	GTP	O4'-C4'-C5'-O5'
128	Bu	501	GTP	O4'-C4'-C5'-O5'
128	Bu	501	GTP	C3'-C4'-C5'-O5'
128	C0	501	GTP	O4'-C4'-C5'-O5'
128	C0	501	GTP	C3'-C4'-C5'-O5'
128	C1	501	GTP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	C1	501	GTP	C3'-C4'-C5'-O5'
128	CK	501	GTP	O4'-C4'-C5'-O5'
128	CM	502	GTP	O4'-C4'-C5'-O5'
128	CM	502	GTP	C3'-C4'-C5'-O5'
128	CS	501	GTP	C3'-C4'-C5'-O5'
128	CX	501	GTP	O4'-C4'-C5'-O5'
128	CZ	501	GTP	C3'-C4'-C5'-O5'
128	Cj	501	GTP	C3'-C4'-C5'-O5'
128	DT	501	GTP	O4'-C4'-C5'-O5'
128	DT	501	GTP	C3'-C4'-C5'-O5'
128	De	501	GTP	O4'-C4'-C5'-O5'
128	Dt	501	GTP	O4'-C4'-C5'-O5'
128	Dt	501	GTP	C3'-C4'-C5'-O5'
128	Du	501	GTP	O4'-C4'-C5'-O5'
128	Du	501	GTP	C3'-C4'-C5'-O5'
128	ED	501	GTP	C3'-C4'-C5'-O5'
128	EL	501	GTP	O4'-C4'-C5'-O5'
128	EL	501	GTP	C3'-C4'-C5'-O5'
128	EQ	501	GTP	O4'-C4'-C5'-O5'
128	EQ	501	GTP	C3'-C4'-C5'-O5'
128	ER	501	GTP	O4'-C4'-C5'-O5'
128	ER	501	GTP	C3'-C4'-C5'-O5'
128	EY	501	GTP	O4'-C4'-C5'-O5'
128	Eq	501	GTP	O4'-C4'-C5'-O5'
128	FI	501	GTP	O4'-C4'-C5'-O5'
128	FI	501	GTP	C3'-C4'-C5'-O5'
128	FJ	501	GTP	O4'-C4'-C5'-O5'
128	FJ	501	GTP	C3'-C4'-C5'-O5'
128	FQ	501	GTP	O4'-C4'-C5'-O5'
128	FQ	501	GTP	C3'-C4'-C5'-O5'
128	FT	502	GTP	C3'-C4'-C5'-O5'
128	Fe	501	GTP	O4'-C4'-C5'-O5'
128	Fe	501	GTP	C3'-C4'-C5'-O5'
128	Fi	501	GTP	O4'-C4'-C5'-O5'
128	Fi	501	GTP	C3'-C4'-C5'-O5'
128	Fv	501	GTP	C3'-C4'-C5'-O5'
128	GF	501	GTP	O4'-C4'-C5'-O5'
128	H6	501	GTP	C3'-C4'-C5'-O5'
128	H8	501	GTP	O4'-C4'-C5'-O5'
128	H8	501	GTP	C3'-C4'-C5'-O5'
128	I4	502	GTP	O4'-C4'-C5'-O5'
128	I4	502	GTP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	IX	501	GTP	C3'-C4'-C5'-O5'
128	J0	501	GTP	O4'-C4'-C5'-O5'
128	J0	501	GTP	C3'-C4'-C5'-O5'
128	J6	501	GTP	O4'-C4'-C5'-O5'
128	J8	502	GTP	O4'-C4'-C5'-O5'
128	Jj	501	GTP	O4'-C4'-C5'-O5'
128	Jj	501	GTP	C3'-C4'-C5'-O5'
128	Jl	502	GTP	O4'-C4'-C5'-O5'
128	Jl	502	GTP	C3'-C4'-C5'-O5'
128	Jw	501	GTP	O4'-C4'-C5'-O5'
128	Jy	501	GTP	O4'-C4'-C5'-O5'
128	Jy	501	GTP	C3'-C4'-C5'-O5'
128	K0	501	GTP	O4'-C4'-C5'-O5'
128	K0	501	GTP	C3'-C4'-C5'-O5'
128	K4	501	GTP	O4'-C4'-C5'-O5'
128	KW	501	GTP	C3'-C4'-C5'-O5'
128	KY	501	GTP	O4'-C4'-C5'-O5'
128	KY	501	GTP	C3'-C4'-C5'-O5'
128	Kj	502	GTP	O4'-C4'-C5'-O5'
128	L2	501	GTP	O4'-C4'-C5'-O5'
128	M4	501	GTP	C3'-C4'-C5'-O5'
128	MV	501	GTP	O4'-C4'-C5'-O5'
128	MV	501	GTP	C3'-C4'-C5'-O5'
128	NH	501	GTP	O4'-C4'-C5'-O5'
128	NU	501	GTP	C3'-C4'-C5'-O5'
128	Nh	501	GTP	O4'-C4'-C5'-O5'
128	Nh	501	GTP	C3'-C4'-C5'-O5'
128	R0	501	GTP	C3'-C4'-C5'-O5'
128	R2	502	GTP	O4'-C4'-C5'-O5'
128	S8	501	GTP	O4'-C4'-C5'-O5'
128	S8	501	GTP	C3'-C4'-C5'-O5'
128	T8	501	GTP	C3'-C4'-C5'-O5'
128	U2	501	GTP	O4'-C4'-C5'-O5'
128	U4	501	GTP	O4'-C4'-C5'-O5'
128	U4	501	GTP	C3'-C4'-C5'-O5'
128	V2	501	GTP	O4'-C4'-C5'-O5'
128	V2	501	GTP	C3'-C4'-C5'-O5'
128	W5	501	GTP	O4'-C4'-C5'-O5'
128	Z2	501	GTP	O4'-C4'-C5'-O5'
129	1A	502	GDP	O4'-C4'-C5'-O5'
129	1A	502	GDP	C3'-C4'-C5'-O5'
129	B6	501	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	D0	501	GDP	O4'-C4'-C5'-O5'
129	D0	501	GDP	C3'-C4'-C5'-O5'
129	DG	502	GDP	O4'-C4'-C5'-O5'
129	DG	502	GDP	C3'-C4'-C5'-O5'
129	G6	501	GDP	O4'-C4'-C5'-O5'
129	G6	501	GDP	C3'-C4'-C5'-O5'
129	H4	501	GDP	O4'-C4'-C5'-O5'
129	H4	501	GDP	C3'-C4'-C5'-O5'
129	H8	503	GDP	O4'-C4'-C5'-O5'
129	H8	503	GDP	C3'-C4'-C5'-O5'
129	JL	501	GDP	C3'-C4'-C5'-O5'
129	P8	502	GDP	O4'-C4'-C5'-O5'
129	P8	502	GDP	C3'-C4'-C5'-O5'
129	Q2	502	GDP	O4'-C4'-C5'-O5'
129	T0	501	GDP	O4'-C4'-C5'-O5'
128	BH	501	GTP	C4'-C5'-O5'-PA
128	0R	502	GTP	O4'-C4'-C5'-O5'
128	0R	502	GTP	C3'-C4'-C5'-O5'
128	1H	501	GTP	O4'-C4'-C5'-O5'
128	1H	501	GTP	C3'-C4'-C5'-O5'
128	1W	501	GTP	C3'-C4'-C5'-O5'
128	B5	501	GTP	O4'-C4'-C5'-O5'
128	B5	501	GTP	C3'-C4'-C5'-O5'
128	Es	501	GTP	O4'-C4'-C5'-O5'
128	Es	501	GTP	C3'-C4'-C5'-O5'
128	Eu	501	GTP	O4'-C4'-C5'-O5'
128	Eu	501	GTP	C3'-C4'-C5'-O5'
128	L6	501	GTP	O4'-C4'-C5'-O5'
128	L6	501	GTP	C3'-C4'-C5'-O5'
128	Lu	501	GTP	O4'-C4'-C5'-O5'
128	Lu	501	GTP	C3'-C4'-C5'-O5'
128	S0	501	GTP	O4'-C4'-C5'-O5'
128	S0	501	GTP	C3'-C4'-C5'-O5'
128	Z6	501	GTP	O4'-C4'-C5'-O5'
128	Z6	501	GTP	C3'-C4'-C5'-O5'
129	0U	501	GDP	O4'-C4'-C5'-O5'
129	0U	501	GDP	C3'-C4'-C5'-O5'
129	1U	501	GDP	C3'-C4'-C5'-O5'
129	1W	502	GDP	O4'-C4'-C5'-O5'
129	1W	502	GDP	C3'-C4'-C5'-O5'
129	B6	501	GDP	O4'-C4'-C5'-O5'
129	V2	502	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	V4	501	GDP	C3'-C4'-C5'-O5'
128	BJ	501	GTP	C4'-C5'-O5'-PA
128	D3	501	GTP	C4'-C5'-O5'-PA
128	Ik	501	GTP	C4'-C5'-O5'-PA
128	0A	501	GTP	C3'-C4'-C5'-O5'
128	0F	501	GTP	C3'-C4'-C5'-O5'
128	1A	501	GTP	C3'-C4'-C5'-O5'
128	1C	501	GTP	C3'-C4'-C5'-O5'
128	1S	501	GTP	C3'-C4'-C5'-O5'
128	2A	501	GTP	C3'-C4'-C5'-O5'
128	2I	501	GTP	C3'-C4'-C5'-O5'
128	2L	501	GTP	C3'-C4'-C5'-O5'
128	8M	501	GTP	C3'-C4'-C5'-O5'
128	Ba	501	GTP	C3'-C4'-C5'-O5'
128	Bm	501	GTP	C3'-C4'-C5'-O5'
128	Bw	501	GTP	C3'-C4'-C5'-O5'
128	CU	501	GTP	C3'-C4'-C5'-O5'
128	DX	501	GTP	C3'-C4'-C5'-O5'
128	Dz	501	GTP	C3'-C4'-C5'-O5'
128	FG	501	GTP	C3'-C4'-C5'-O5'
128	G5	501	GTP	C3'-C4'-C5'-O5'
128	J4	501	GTP	C3'-C4'-C5'-O5'
128	K9	501	GTP	C3'-C4'-C5'-O5'
128	LH	501	GTP	C3'-C4'-C5'-O5'
128	N6	501	GTP	C3'-C4'-C5'-O5'
128	NS	501	GTP	C3'-C4'-C5'-O5'
128	O6	501	GTP	C3'-C4'-C5'-O5'
128	Q6	501	GTP	C3'-C4'-C5'-O5'
128	S9	501	GTP	C3'-C4'-C5'-O5'
128	X6	501	GTP	C3'-C4'-C5'-O5'
128	X7	501	GTP	C3'-C4'-C5'-O5'
128	Y0	501	GTP	C3'-C4'-C5'-O5'
128	Y4	501	GTP	C3'-C4'-C5'-O5'
129	A3	501	GDP	C3'-C4'-C5'-O5'
129	Ap	501	GDP	C3'-C4'-C5'-O5'
129	Bf	501	GDP	C3'-C4'-C5'-O5'
129	Bh	502	GDP	C3'-C4'-C5'-O5'
129	Bs	501	GDP	C3'-C4'-C5'-O5'
129	CK	502	GDP	C3'-C4'-C5'-O5'
129	D8	501	GDP	C3'-C4'-C5'-O5'
129	DK	502	GDP	C3'-C4'-C5'-O5'
129	DT	502	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	Dg	501	GDP	C3'-C4'-C5'-O5'
129	Dt	502	GDP	C3'-C4'-C5'-O5'
129	I0	502	GDP	C3'-C4'-C5'-O5'
129	JU	503	GDP	C3'-C4'-C5'-O5'
129	Mt	502	GDP	C3'-C4'-C5'-O5'
129	N2	501	GDP	C3'-C4'-C5'-O5'
129	R6	502	GDP	C3'-C4'-C5'-O5'
129	T4	502	GDP	C3'-C4'-C5'-O5'
129	U6	502	GDP	C3'-C4'-C5'-O5'
128	0A	501	GTP	O4'-C4'-C5'-O5'
128	1A	501	GTP	O4'-C4'-C5'-O5'
128	1T	501	GTP	C3'-C4'-C5'-O5'
128	2C	501	GTP	C3'-C4'-C5'-O5'
128	2L	501	GTP	O4'-C4'-C5'-O5'
128	2U	501	GTP	C3'-C4'-C5'-O5'
128	3I	501	GTP	C3'-C4'-C5'-O5'
128	8M	501	GTP	O4'-C4'-C5'-O5'
128	A4	501	GTP	C3'-C4'-C5'-O5'
128	Ba	501	GTP	O4'-C4'-C5'-O5'
128	Bm	501	GTP	O4'-C4'-C5'-O5'
128	CE	502	GTP	C3'-C4'-C5'-O5'
128	Cv	502	GTP	C3'-C4'-C5'-O5'
128	DX	501	GTP	O4'-C4'-C5'-O5'
128	F0	501	GTP	C3'-C4'-C5'-O5'
128	FE	501	GTP	C3'-C4'-C5'-O5'
128	FG	501	GTP	O4'-C4'-C5'-O5'
128	G5	501	GTP	O4'-C4'-C5'-O5'
128	J4	501	GTP	O4'-C4'-C5'-O5'
128	JK	501	GTP	C3'-C4'-C5'-O5'
128	K6	501	GTP	C3'-C4'-C5'-O5'
128	LJ	501	GTP	C3'-C4'-C5'-O5'
128	O2	501	GTP	C3'-C4'-C5'-O5'
128	X6	501	GTP	O4'-C4'-C5'-O5'
128	Y4	501	GTP	O4'-C4'-C5'-O5'
128	Z3	501	GTP	C3'-C4'-C5'-O5'
129	1Q	502	GDP	C3'-C4'-C5'-O5'
129	1U	501	GDP	O4'-C4'-C5'-O5'
129	3I	502	GDP	C3'-C4'-C5'-O5'
129	8N	501	GDP	C3'-C4'-C5'-O5'
129	An	502	GDP	C3'-C4'-C5'-O5'
129	Ap	501	GDP	O4'-C4'-C5'-O5'
129	BM	501	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	Bf	501	GDP	O4'-C4'-C5'-O5'
129	Bs	501	GDP	O4'-C4'-C5'-O5'
129	Ci	502	GDP	C3'-C4'-C5'-O5'
129	Dt	502	GDP	O4'-C4'-C5'-O5'
129	G8	501	GDP	C3'-C4'-C5'-O5'
129	Kv	503	GDP	C3'-C4'-C5'-O5'
129	Lj	501	GDP	C3'-C4'-C5'-O5'
129	Mt	502	GDP	O4'-C4'-C5'-O5'
129	R6	502	GDP	O4'-C4'-C5'-O5'
129	T4	502	GDP	O4'-C4'-C5'-O5'
129	V2	502	GDP	O4'-C4'-C5'-O5'
129	V4	501	GDP	O4'-C4'-C5'-O5'
128	D1	501	GTP	C4'-C5'-O5'-PA
128	Z7	501	GTP	C4'-C5'-O5'-PA
128	0F	501	GTP	O4'-C4'-C5'-O5'
128	2A	501	GTP	O4'-C4'-C5'-O5'
128	Ay	502	GTP	C3'-C4'-C5'-O5'
128	C8	501	GTP	O4'-C4'-C5'-O5'
128	CU	501	GTP	O4'-C4'-C5'-O5'
128	DV	501	GTP	C3'-C4'-C5'-O5'
128	F5	501	GTP	C3'-C4'-C5'-O5'
128	Fg	501	GTP	C3'-C4'-C5'-O5'
128	Fk	501	GTP	C3'-C4'-C5'-O5'
128	K7	501	GTP	C3'-C4'-C5'-O5'
128	S5	501	GTP	C3'-C4'-C5'-O5'
128	X7	501	GTP	O4'-C4'-C5'-O5'
128	Y0	501	GTP	O4'-C4'-C5'-O5'
128	Y6	501	GTP	C3'-C4'-C5'-O5'
129	CM	503	GDP	C3'-C4'-C5'-O5'
129	DT	502	GDP	O4'-C4'-C5'-O5'
129	DZ	502	GDP	C3'-C4'-C5'-O5'
129	Dg	501	GDP	O4'-C4'-C5'-O5'
129	FG	502	GDP	C3'-C4'-C5'-O5'
129	I0	502	GDP	O4'-C4'-C5'-O5'
128	0C	501	GTP	PB-O3B-PG-O1G
128	8L	501	GTP	PB-O3B-PG-O1G
129	0W	501	GDP	PA-O3A-PB-O1B
129	2M	501	GDP	PA-O3A-PB-O1B
129	Bl	502	GDP	PA-O3A-PB-O1B
129	CT	501	GDP	PA-O3A-PB-O1B
129	D2	501	GDP	PA-O3A-PB-O1B
129	DM	502	GDP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
129	FC	501	GDP	PA-O3A-PB-O1B
129	FP	501	GDP	PA-O3A-PB-O1B
129	G2	501	GDP	PA-O3A-PB-O1B
129	G6	501	GDP	PA-O3A-PB-O1B
129	H6	502	GDP	PA-O3A-PB-O1B
129	H8	503	GDP	PA-O3A-PB-O1B
129	I2	501	GDP	PA-O3A-PB-O1B
129	I4	503	GDP	PA-O3A-PB-O1B
129	JL	501	GDP	PA-O3A-PB-O1B
129	K8	501	GDP	PA-O3A-PB-O1B
129	Kj	503	GDP	PA-O3A-PB-O1B
129	Mi	501	GDP	PA-O3A-PB-O1B
129	U8	502	GDP	PA-O3A-PB-O1B
129	V6	501	GDP	PA-O3A-PB-O1B
129	W8	502	GDP	PA-O3A-PB-O1B
129	X0	502	GDP	PA-O3A-PB-O1B
128	1S	501	GTP	O4'-C4'-C5'-O5'
128	3K	501	GTP	C3'-C4'-C5'-O5'
128	8H	501	GTP	C3'-C4'-C5'-O5'
128	Bh	501	GTP	C3'-C4'-C5'-O5'
128	Bl	501	GTP	C3'-C4'-C5'-O5'
128	CI	501	GTP	C3'-C4'-C5'-O5'
128	Dz	501	GTP	O4'-C4'-C5'-O5'
128	Eh	501	GTP	C3'-C4'-C5'-O5'
128	F8	501	GTP	C3'-C4'-C5'-O5'
128	FV	501	GTP	C3'-C4'-C5'-O5'
128	GD	501	GTP	C3'-C4'-C5'-O5'
128	Kv	501	GTP	C3'-C4'-C5'-O5'
128	Kx	501	GTP	C3'-C4'-C5'-O5'
128	MG	501	GTP	C3'-C4'-C5'-O5'
128	N6	501	GTP	O4'-C4'-C5'-O5'
128	NJ	501	GTP	C3'-C4'-C5'-O5'
128	NS	501	GTP	O4'-C4'-C5'-O5'
128	Q2	501	GTP	C3'-C4'-C5'-O5'
128	Q6	501	GTP	O4'-C4'-C5'-O5'
129	BI	501	GDP	C3'-C4'-C5'-O5'
129	Bj	501	GDP	C3'-C4'-C5'-O5'
129	Bw	503	GDP	C3'-C4'-C5'-O5'
129	DK	502	GDP	O4'-C4'-C5'-O5'
129	Dv	501	GDP	C3'-C4'-C5'-O5'
129	G4	501	GDP	C3'-C4'-C5'-O5'
129	JJ	501	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	JU	503	GDP	O4'-C4'-C5'-O5'
129	JY	501	GDP	C3'-C4'-C5'-O5'
129	LT	501	GDP	C3'-C4'-C5'-O5'
129	Mi	501	GDP	C3'-C4'-C5'-O5'
129	R4	502	GDP	C3'-C4'-C5'-O5'
129	W8	502	GDP	C3'-C4'-C5'-O5'
128	0C	501	GTP	PA-O3A-PB-O1B
128	0R	502	GTP	PB-O3A-PA-O1A
128	1Q	501	GTP	PA-O3A-PB-O1B
128	2A	501	GTP	PA-O3A-PB-O1B
128	3G	501	GTP	PB-O3A-PA-O1A
128	3M	501	GTP	PB-O3A-PA-O1A
128	A1	501	GTP	PA-O3A-PB-O1B
128	BU	501	GTP	PB-O3A-PA-O1A
128	Bw	501	GTP	PA-O3A-PB-O1B
128	CG	501	GTP	PA-O3A-PB-O1B
128	CZ	501	GTP	PB-O3A-PA-O1A
128	De	501	GTP	PB-O3A-PA-O1A
128	E4	501	GTP	PB-O3A-PA-O1A
128	Eh	501	GTP	PA-O3A-PB-O1B
128	Ei	501	GTP	PB-O3A-PA-O1A
128	Eq	501	GTP	PA-O3A-PB-O1B
128	F5	501	GTP	PA-O3A-PB-O1B
128	FQ	501	GTP	PB-O3A-PA-O1A
128	Fc	501	GTP	PA-O3A-PB-O1B
128	Ft	501	GTP	PA-O3A-PB-O1B
128	Ft	501	GTP	PB-O3A-PA-O1A
128	G7	501	GTP	PA-O3A-PB-O1B
128	GD	501	GTP	PB-O3A-PA-O1A
128	GI	501	GTP	PA-O3A-PB-O1B
128	H3	501	GTP	PA-O3A-PB-O1B
128	H8	501	GTP	PA-O3A-PB-O1B
128	I0	501	GTP	PB-O3A-PA-O1A
128	I1	501	GTP	PA-O3A-PB-O1B
128	I5	501	GTP	PA-O3A-PB-O1B
128	I8	501	GTP	PB-O3A-PA-O1A
128	J0	501	GTP	PB-O3A-PA-O1A
128	J6	501	GTP	PB-O3A-PA-O1A
128	J8	502	GTP	PA-O3A-PB-O1B
128	JI	502	GTP	PA-O3A-PB-O1B
128	JW	502	GTP	PB-O3A-PA-O1A
128	JX	501	GTP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
128	Jh	501	GTP	PA-O3A-PB-O1B
128	Jj	501	GTP	PB-O3A-PA-O1A
128	K9	501	GTP	PA-O3A-PB-O1B
128	LH	501	GTP	PA-O3A-PB-O1B
128	M4	501	GTP	PA-O3A-PB-O1B
128	MH	501	GTP	PB-O3A-PA-O1A
128	Mt	501	GTP	PA-O3A-PB-O1B
128	Nf	501	GTP	PB-O3A-PA-O1A
128	R2	502	GTP	PA-O3A-PB-O1B
128	T6	501	GTP	PA-O3A-PB-O1B
128	V3	501	GTP	PB-O3A-PA-O1A
128	W5	501	GTP	PA-O3A-PB-O1B
128	Ce	502	GTP	C4'-C5'-O5'-PA
128	EF	501	GTP	C4'-C5'-O5'-PA
128	EH	501	GTP	C4'-C5'-O5'-PA
128	Mt	501	GTP	C4'-C5'-O5'-PA
128	1C	501	GTP	O4'-C4'-C5'-O5'
128	1T	501	GTP	O4'-C4'-C5'-O5'
128	2I	501	GTP	O4'-C4'-C5'-O5'
128	2U	501	GTP	O4'-C4'-C5'-O5'
128	Bw	501	GTP	O4'-C4'-C5'-O5'
128	CE	502	GTP	O4'-C4'-C5'-O5'
128	Cv	502	GTP	O4'-C4'-C5'-O5'
128	FE	501	GTP	O4'-C4'-C5'-O5'
128	K9	501	GTP	O4'-C4'-C5'-O5'
128	LH	501	GTP	O4'-C4'-C5'-O5'
128	LJ	501	GTP	O4'-C4'-C5'-O5'
128	O6	501	GTP	O4'-C4'-C5'-O5'
128	S9	501	GTP	O4'-C4'-C5'-O5'
129	A3	501	GDP	O4'-C4'-C5'-O5'
129	Bh	502	GDP	O4'-C4'-C5'-O5'
129	CK	502	GDP	O4'-C4'-C5'-O5'
129	D8	501	GDP	O4'-C4'-C5'-O5'
129	G8	501	GDP	O4'-C4'-C5'-O5'
129	Lj	501	GDP	O4'-C4'-C5'-O5'
129	U6	502	GDP	O4'-C4'-C5'-O5'
128	1T	501	GTP	C4'-C5'-O5'-PA
128	2U	501	GTP	C4'-C5'-O5'-PA
128	Ay	502	GTP	C4'-C5'-O5'-PA
128	BL	501	GTP	C4'-C5'-O5'-PA
128	C5	501	GTP	C4'-C5'-O5'-PA
128	CG	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	CI	501	GTP	C4'-C5'-O5'-PA
128	CM	502	GTP	C4'-C5'-O5'-PA
128	Cm	501	GTP	C4'-C5'-O5'-PA
128	Di	501	GTP	C4'-C5'-O5'-PA
128	Dr	501	GTP	C4'-C5'-O5'-PA
128	EI	501	GTP	C4'-C5'-O5'-PA
128	Eh	501	GTP	C4'-C5'-O5'-PA
128	FW	501	GTP	C4'-C5'-O5'-PA
128	Ft	501	GTP	C4'-C5'-O5'-PA
128	Fx	501	GTP	C4'-C5'-O5'-PA
128	GF	501	GTP	C4'-C5'-O5'-PA
128	GH	501	GTP	C4'-C5'-O5'-PA
128	GI	501	GTP	C4'-C5'-O5'-PA
128	IW	501	GTP	C4'-C5'-O5'-PA
128	J8	502	GTP	C4'-C5'-O5'-PA
128	K6	501	GTP	C4'-C5'-O5'-PA
128	LJ	501	GTP	C4'-C5'-O5'-PA
128	LU	501	GTP	C4'-C5'-O5'-PA
128	Li	501	GTP	C4'-C5'-O5'-PA
128	M7	501	GTP	C4'-C5'-O5'-PA
128	MG	501	GTP	C4'-C5'-O5'-PA
128	Mu	501	GTP	C4'-C5'-O5'-PA
128	N6	501	GTP	C4'-C5'-O5'-PA
128	Q6	501	GTP	C4'-C5'-O5'-PA
128	R6	501	GTP	C4'-C5'-O5'-PA
128	T2	501	GTP	C4'-C5'-O5'-PA
128	U9	501	GTP	C4'-C5'-O5'-PA
128	V8	501	GTP	C4'-C5'-O5'-PA
128	W2	501	GTP	C4'-C5'-O5'-PA
128	Y1	501	GTP	C4'-C5'-O5'-PA
128	Y6	501	GTP	C4'-C5'-O5'-PA
128	2C	501	GTP	O4'-C4'-C5'-O5'
128	A4	501	GTP	O4'-C4'-C5'-O5'
128	F0	501	GTP	O4'-C4'-C5'-O5'
128	Z3	501	GTP	O4'-C4'-C5'-O5'
129	8N	501	GDP	O4'-C4'-C5'-O5'
129	A7	501	GDP	C3'-C4'-C5'-O5'
128	0O	501	GTP	PB-O3A-PA-O5'
128	0R	502	GTP	PB-O3A-PA-O5'
128	0V	501	GTP	PB-O3A-PA-O5'
128	0Y	501	GTP	PB-O3A-PA-O5'
128	1A	501	GTP	PB-O3A-PA-O5'

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Mol	Chain	Res	Type	Atoms
128	1C	501	GTP	PB-O3A-PA-O5'
128	1G	501	GTP	PB-O3A-PA-O5'
128	1H	501	GTP	PB-O3A-PA-O5'
128	1N	501	GTP	PB-O3A-PA-O5'
128	1Q	501	GTP	PB-O3A-PA-O5'
128	1S	501	GTP	PB-O3A-PA-O5'
128	1W	501	GTP	PB-O3A-PA-O5'
128	1X	501	GTP	PB-O3A-PA-O5'
128	2A	501	GTP	PB-O3A-PA-O5'
128	2E	501	GTP	PB-O3A-PA-O5'
128	2G	501	GTP	PB-O3A-PA-O5'
128	2I	501	GTP	PB-O3A-PA-O5'
128	2K	501	GTP	PB-O3A-PA-O5'
128	2L	501	GTP	PB-O3A-PA-O5'
128	2S	501	GTP	PB-O3A-PA-O5'
128	3G	501	GTP	PB-O3A-PA-O5'
128	3P	501	GTP	PB-O3A-PA-O5'
128	8L	501	GTP	PB-O3A-PA-O5'
128	8M	501	GTP	PB-O3A-PA-O5'
128	A1	501	GTP	PB-O3A-PA-O5'
128	A4	501	GTP	PB-O3A-PA-O5'
128	A9	501	GTP	PB-O3A-PA-O5'
128	AT	501	GTP	PB-O3A-PA-O5'
128	Aj	501	GTP	PB-O3A-PA-O5'
128	Ak	501	GTP	PB-O3A-PA-O5'
128	At	501	GTP	PB-O3A-PA-O5'
128	Az	501	GTP	PB-O3A-PA-O5'
128	B5	501	GTP	PB-O3A-PA-O5'
128	B7	501	GTP	PB-O3A-PA-O5'
128	BB	501	GTP	PB-O3A-PA-O5'
128	BW	501	GTP	PB-O3A-PA-O5'
128	BY	501	GTP	PB-O3A-PA-O5'
128	Ba	501	GTP	PB-O3A-PA-O5'
128	Bf	502	GTP	PB-O3A-PA-O5'
128	Bi	501	GTP	PB-O3A-PA-O5'
128	Bl	501	GTP	PB-O3A-PA-O5'
128	Bm	501	GTP	PB-O3A-PA-O5'
128	Bu	501	GTP	PB-O3A-PA-O5'
128	Bw	501	GTP	PB-O3A-PA-O5'
128	By	502	GTP	PB-O3A-PA-O5'
128	C0	501	GTP	PB-O3A-PA-O5'
128	CG	501	GTP	PB-O3A-PA-O5'

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Mol	Chain	Res	Type	Atoms
128	CS	501	GTP	PB-O3A-PA-O5'
128	CU	501	GTP	PB-O3A-PA-O5'
128	CX	501	GTP	PB-O3A-PA-O5'
128	CZ	501	GTP	PB-O3A-PA-O5'
128	Ce	502	GTP	PB-O3A-PA-O5'
128	Cg	501	GTP	PB-O3A-PA-O5'
128	Cj	501	GTP	PB-O3A-PA-O5'
128	Cr	502	GTP	PB-O3A-PA-O5'
128	Cv	502	GTP	PB-O3A-PA-O5'
128	Cx	501	GTP	PB-O3A-PA-O5'
128	Cz	501	GTP	PB-O3A-PA-O5'
128	DG	501	GTP	PB-O3A-PA-O5'
128	De	501	GTP	PB-O3A-PA-O5'
128	Dm	501	GTP	PB-O3A-PA-O5'
128	Dt	501	GTP	PB-O3A-PA-O5'
128	Dz	501	GTP	PB-O3A-PA-O5'
128	E8	501	GTP	PB-O3A-PA-O5'
128	EF	501	GTP	PB-O3A-PA-O5'
128	EH	501	GTP	PB-O3A-PA-O5'
128	EI	501	GTP	PB-O3A-PA-O5'
128	ER	501	GTP	PB-O3A-PA-O5'
128	EU	501	GTP	PB-O3A-PA-O5'
128	Ed	501	GTP	PB-O3A-PA-O5'
128	El	501	GTP	PB-O3A-PA-O5'
128	Ew	501	GTP	PB-O3A-PA-O5'
128	F0	501	GTP	PB-O3A-PA-O5'
128	F5	501	GTP	PB-O3A-PA-O5'
128	FE	501	GTP	PB-O3A-PA-O5'
128	FJ	501	GTP	PB-O3A-PA-O5'
128	FQ	501	GTP	PB-O3A-PA-O5'
128	FT	502	GTP	PB-O3A-PA-O5'
128	FV	501	GTP	PB-O3A-PA-O5'
128	Fc	501	GTP	PB-O3A-PA-O5'
128	Fe	501	GTP	PB-O3A-PA-O5'
128	Fg	501	GTP	PB-O3A-PA-O5'
128	Fi	501	GTP	PB-O3A-PA-O5'
128	Fk	501	GTP	PB-O3A-PA-O5'
128	Fl	501	GTP	PB-O3A-PA-O5'
128	Ft	501	GTP	PB-O3A-PA-O5'
128	Fv	501	GTP	PB-O3A-PA-O5'
128	G0	501	GTP	PB-O3A-PA-O5'
128	G1	501	GTP	PB-O3A-PA-O5'

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Mol	Chain	Res	Type	Atoms
128	G3	502	GTP	PB-O3A-PA-O5'
128	G5	501	GTP	PB-O3A-PA-O5'
128	GB	501	GTP	PB-O3A-PA-O5'
128	GH	501	GTP	PB-O3A-PA-O5'
128	GI	501	GTP	PB-O3A-PA-O5'
128	H3	501	GTP	PB-O3A-PA-O5'
128	H6	501	GTP	PB-O3A-PA-O5'
128	I0	501	GTP	PB-O3A-PA-O5'
128	I4	502	GTP	PB-O3A-PA-O5'
128	I5	501	GTP	PB-O3A-PA-O5'
128	I8	501	GTP	PB-O3A-PA-O5'
128	Iw	501	GTP	PB-O3A-PA-O5'
128	Iy	501	GTP	PB-O3A-PA-O5'
128	J0	501	GTP	PB-O3A-PA-O5'
128	J2	501	GTP	PB-O3A-PA-O5'
128	J4	501	GTP	PB-O3A-PA-O5'
128	J6	501	GTP	PB-O3A-PA-O5'
128	J8	502	GTP	PB-O3A-PA-O5'
128	JK	501	GTP	PB-O3A-PA-O5'
128	JW	502	GTP	PB-O3A-PA-O5'
128	JX	501	GTP	PB-O3A-PA-O5'
128	Jh	501	GTP	PB-O3A-PA-O5'
128	Jj	501	GTP	PB-O3A-PA-O5'
128	Jl	502	GTP	PB-O3A-PA-O5'
128	Jw	501	GTP	PB-O3A-PA-O5'
128	Jy	501	GTP	PB-O3A-PA-O5'
128	K0	501	GTP	PB-O3A-PA-O5'
128	K4	501	GTP	PB-O3A-PA-O5'
128	K7	501	GTP	PB-O3A-PA-O5'
128	K9	501	GTP	PB-O3A-PA-O5'
128	KH	501	GTP	PB-O3A-PA-O5'
128	KI	501	GTP	PB-O3A-PA-O5'
128	KW	501	GTP	PB-O3A-PA-O5'
128	L4	501	GTP	PB-O3A-PA-O5'
128	LJ	501	GTP	PB-O3A-PA-O5'
128	LX	501	GTP	PB-O3A-PA-O5'
128	Li	501	GTP	PB-O3A-PA-O5'
128	Lu	501	GTP	PB-O3A-PA-O5'
128	M0	501	GTP	PB-O3A-PA-O5'
128	M2	501	GTP	PB-O3A-PA-O5'
128	M4	501	GTP	PB-O3A-PA-O5'
128	M6	501	GTP	PB-O3A-PA-O5'

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Mol	Chain	Res	Type	Atoms
128	M7	501	GTP	PB-O3A-PA-O5'
128	MG	501	GTP	PB-O3A-PA-O5'
128	MV	501	GTP	PB-O3A-PA-O5'
128	Mg	501	GTP	PB-O3A-PA-O5'
128	Mh	501	GTP	PB-O3A-PA-O5'
128	Mt	501	GTP	PB-O3A-PA-O5'
128	N6	501	GTP	PB-O3A-PA-O5'
128	N8	501	GTP	PB-O3A-PA-O5'
128	NF	501	GTP	PB-O3A-PA-O5'
128	NJ	501	GTP	PB-O3A-PA-O5'
128	NS	501	GTP	PB-O3A-PA-O5'
128	NU	501	GTP	PB-O3A-PA-O5'
128	Nf	501	GTP	PB-O3A-PA-O5'
128	P6	501	GTP	PB-O3A-PA-O5'
128	Q6	501	GTP	PB-O3A-PA-O5'
128	R0	501	GTP	PB-O3A-PA-O5'
128	R2	502	GTP	PB-O3A-PA-O5'
128	S0	501	GTP	PB-O3A-PA-O5'
128	S8	501	GTP	PB-O3A-PA-O5'
128	T6	501	GTP	PB-O3A-PA-O5'
128	T8	501	GTP	PB-O3A-PA-O5'
128	U2	501	GTP	PB-O3A-PA-O5'
128	U4	501	GTP	PB-O3A-PA-O5'
128	U9	501	GTP	PB-O3A-PA-O5'
128	V2	501	GTP	PB-O3A-PA-O5'
128	V3	501	GTP	PB-O3A-PA-O5'
128	V8	501	GTP	PB-O3A-PA-O5'
128	W0	501	GTP	PB-O3A-PA-O5'
128	W2	501	GTP	PB-O3A-PA-O5'
128	X4	501	GTP	PB-O3A-PA-O5'
128	X6	501	GTP	PB-O3A-PA-O5'
128	Y4	501	GTP	PB-O3A-PA-O5'
128	Z0	501	GTP	PB-O3A-PA-O5'
128	Z3	501	GTP	PB-O3A-PA-O5'
128	Z6	501	GTP	PB-O3A-PA-O5'
128	0R	502	GTP	C4'-C5'-O5'-PA
128	C9	501	GTP	C4'-C5'-O5'-PA
128	Ct	501	GTP	C4'-C5'-O5'-PA
128	Dm	501	GTP	C4'-C5'-O5'-PA
128	Dw	501	GTP	C4'-C5'-O5'-PA
128	FV	501	GTP	C4'-C5'-O5'-PA
128	J4	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	Jh	501	GTP	C4'-C5'-O5'-PA
128	T4	501	GTP	C4'-C5'-O5'-PA
128	3I	501	GTP	O4'-C4'-C5'-O5'
128	8L	501	GTP	C3'-C4'-C5'-O5'
128	BY	501	GTP	C3'-C4'-C5'-O5'
128	Bz	501	GTP	C3'-C4'-C5'-O5'
128	Cz	501	GTP	C3'-C4'-C5'-O5'
128	El	501	GTP	C3'-C4'-C5'-O5'
128	Fc	501	GTP	C3'-C4'-C5'-O5'
128	G7	501	GTP	C3'-C4'-C5'-O5'
128	GH	501	GTP	C3'-C4'-C5'-O5'
128	JK	501	GTP	O4'-C4'-C5'-O5'
128	K6	501	GTP	O4'-C4'-C5'-O5'
128	P6	501	GTP	C3'-C4'-C5'-O5'
129	0M	502	GDP	C3'-C4'-C5'-O5'
129	3I	502	GDP	O4'-C4'-C5'-O5'
129	BO	501	GDP	C3'-C4'-C5'-O5'
129	DM	502	GDP	C3'-C4'-C5'-O5'
129	FI	502	GDP	C3'-C4'-C5'-O5'
129	M6	502	GDP	C3'-C4'-C5'-O5'
129	N2	501	GDP	O4'-C4'-C5'-O5'
128	8I	501	GTP	PB-O3B-PG-O1G
128	Ag	501	GTP	PB-O3B-PG-O1G
128	Eu	501	GTP	PB-O3B-PG-O1G
128	X7	501	GTP	PB-O3B-PG-O1G
129	1A	502	GDP	PA-O3A-PB-O1B
129	A7	501	GDP	PA-O3A-PB-O1B
129	C6	501	GDP	PA-O3A-PB-O1B
129	D4	501	GDP	PA-O3A-PB-O1B
129	Dz	502	GDP	PA-O3A-PB-O1B
129	Eu	502	GDP	PA-O3A-PB-O1B
129	G4	501	GDP	PA-O3A-PB-O1B
129	GB	502	GDP	PA-O3A-PB-O1B
129	Ij	501	GDP	PA-O3A-PB-O1B
129	Jj	502	GDP	PA-O3A-PB-O1B
129	N2	501	GDP	PA-O3A-PB-O1B
129	U6	502	GDP	PA-O3A-PB-O1B
128	0C	501	GTP	PB-O3B-PG-O3G
128	0O	501	GTP	PB-O3B-PG-O3G
128	2G	501	GTP	PB-O3B-PG-O2G
128	2G	501	GTP	PB-O3B-PG-O3G
128	8H	501	GTP	PB-O3B-PG-O3G

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Mol	Chain	Res	Type	Atoms
128	Bz	501	GTP	PB-O3B-PG-O2G
128	D5	501	GTP	PB-O3B-PG-O2G
128	DH	501	GTP	PB-O3B-PG-O3G
128	FG	501	GTP	PB-O3B-PG-O3G
128	G3	502	GTP	PB-O3B-PG-O2G
128	G3	502	GTP	PB-O3B-PG-O3G
128	IW	501	GTP	PB-O3B-PG-O2G
128	L2	501	GTP	PB-O3B-PG-O3G
128	L6	501	GTP	PB-O3B-PG-O3G
128	M2	501	GTP	PB-O3B-PG-O2G
128	M2	501	GTP	PB-O3B-PG-O3G
128	M6	501	GTP	PB-O3B-PG-O2G
128	R0	501	GTP	PB-O3B-PG-O3G
128	T4	501	GTP	PB-O3B-PG-O3G
129	0W	501	GDP	PA-O3A-PB-O3B
129	A9	502	GDP	PA-O3A-PB-O3B
129	Bh	502	GDP	PA-O3A-PB-O2B
129	CT	501	GDP	PA-O3A-PB-O3B
129	CZ	502	GDP	PA-O3A-PB-O3B
129	EJ	501	GDP	PA-O3A-PB-O2B
129	FP	501	GDP	PA-O3A-PB-O3B
129	G0	502	GDP	PA-O3A-PB-O3B
129	G2	501	GDP	PA-O3A-PB-O3B
129	G8	501	GDP	PA-O3A-PB-O2B
129	G8	501	GDP	PA-O3A-PB-O3B
129	H6	502	GDP	PA-O3A-PB-O3B
129	JL	501	GDP	PA-O3A-PB-O3B
129	Jy	502	GDP	PA-O3A-PB-O2B
129	K4	502	GDP	PA-O3A-PB-O2B
129	KL	502	GDP	PA-O3A-PB-O2B
129	Mg	502	GDP	PA-O3A-PB-O2B
129	U8	502	GDP	PA-O3A-PB-O3B
129	X0	502	GDP	PA-O3A-PB-O3B
128	3O	501	GTP	C3'-C4'-C5'-O5'
128	BG	501	GTP	O4'-C4'-C5'-O5'
128	Bi	501	GTP	C3'-C4'-C5'-O5'
128	Ct	501	GTP	C3'-C4'-C5'-O5'
128	DK	501	GTP	C3'-C4'-C5'-O5'
128	Df	501	GTP	C3'-C4'-C5'-O5'
128	Fl	501	GTP	C3'-C4'-C5'-O5'
128	Fp	501	GTP	C3'-C4'-C5'-O5'
128	IW	501	GTP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	K7	501	GTP	O4'-C4'-C5'-O5'
128	Lv	501	GTP	C3'-C4'-C5'-O5'
128	N8	501	GTP	C3'-C4'-C5'-O5'
128	O2	501	GTP	O4'-C4'-C5'-O5'
128	P8	501	GTP	C3'-C4'-C5'-O5'
128	R8	502	GTP	C3'-C4'-C5'-O5'
128	S2	501	GTP	C3'-C4'-C5'-O5'
128	T2	501	GTP	C3'-C4'-C5'-O5'
128	T6	501	GTP	C3'-C4'-C5'-O5'
128	U7	501	GTP	C3'-C4'-C5'-O5'
128	W4	501	GTP	C3'-C4'-C5'-O5'
129	1E	501	GDP	C3'-C4'-C5'-O5'
129	Al	501	GDP	C3'-C4'-C5'-O5'
129	Bl	502	GDP	C3'-C4'-C5'-O5'
129	Ci	502	GDP	O4'-C4'-C5'-O5'
129	E4	502	GDP	C3'-C4'-C5'-O5'
129	EU	502	GDP	C3'-C4'-C5'-O5'
129	F6	501	GDP	C3'-C4'-C5'-O5'
129	FK	501	GDP	C3'-C4'-C5'-O5'
129	G0	502	GDP	C3'-C4'-C5'-O5'
129	K0	502	GDP	C3'-C4'-C5'-O5'
129	KH	502	GDP	C3'-C4'-C5'-O5'
129	Mg	502	GDP	C3'-C4'-C5'-O5'
129	N0	502	GDP	C3'-C4'-C5'-O5'
129	U8	502	GDP	C3'-C4'-C5'-O5'
129	V8	502	GDP	C3'-C4'-C5'-O5'
128	1S	501	GTP	C4'-C5'-O5'-PA
128	Av	501	GTP	C4'-C5'-O5'-PA
128	B0	501	GTP	C4'-C5'-O5'-PA
128	CZ	501	GTP	C4'-C5'-O5'-PA
128	E0	502	GTP	C4'-C5'-O5'-PA
128	El	501	GTP	C4'-C5'-O5'-PA
128	FI	501	GTP	C4'-C5'-O5'-PA
128	0Q	502	GTP	PB-O3A-PA-O1A
128	1S	501	GTP	PA-O3A-PB-O1B
128	2U	501	GTP	PA-O3A-PB-O2B
128	3K	501	GTP	PB-O3A-PA-O1A
128	3O	501	GTP	PB-O3A-PA-O1A
128	8M	501	GTP	PA-O3A-PB-O1B
128	Ag	501	GTP	PA-O3A-PB-O2B
128	BW	501	GTP	PA-O3A-PB-O2B
128	C5	501	GTP	PB-O3A-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	CK	501	GTP	PB-O3A-PA-O1A
128	Cx	501	GTP	PA-O3A-PB-O2B
128	DE	501	GTP	PA-O3A-PB-O2B
128	DV	501	GTP	PG-O3B-PB-O1B
128	DZ	501	GTP	PA-O3A-PB-O2B
128	Du	501	GTP	PA-O3A-PB-O2B
128	E0	502	GTP	PB-O3A-PA-O1A
128	E1	501	GTP	PA-O3A-PB-O2B
128	EH	501	GTP	PA-O3A-PB-O1B
128	Ew	501	GTP	PB-O3A-PA-O1A
128	GF	501	GTP	PA-O3A-PB-O2B
128	GI	501	GTP	PB-O3A-PA-O1A
128	IK	501	GTP	PB-O3A-PA-O1A
128	J0	501	GTP	PA-O3A-PB-O1B
128	Kj	502	GTP	PA-O3A-PB-O2B
128	Kx	501	GTP	PA-O3A-PB-O2B
128	Lv	501	GTP	PB-O3A-PA-O1A
128	Mu	501	GTP	PA-O3A-PB-O2B
128	N6	501	GTP	PA-O3A-PB-O2B
128	NW	501	GTP	PA-O3A-PB-O2B
128	Nh	501	GTP	PA-O3A-PB-O1B
128	P8	501	GTP	PA-O3A-PB-O2B
128	Q2	501	GTP	PA-O3A-PB-O2B
128	Q6	501	GTP	PA-O3A-PB-O2B
128	R6	501	GTP	PA-O3A-PB-O2B
128	S5	501	GTP	PA-O3A-PB-O2B
128	U9	501	GTP	PA-O3A-PB-O1B
128	V2	501	GTP	PB-O3A-PA-O1A
128	W5	501	GTP	PB-O3A-PA-O1A
128	Y6	501	GTP	PA-O3A-PB-O2B
128	Z2	501	GTP	PB-O3A-PA-O1A
128	0M	501	GTP	C3'-C4'-C5'-O5'
128	1D	501	GTP	C3'-C4'-C5'-O5'
128	2W	501	GTP	C3'-C4'-C5'-O5'
128	E6	501	GTP	C3'-C4'-C5'-O5'
128	EU	501	GTP	C3'-C4'-C5'-O5'
128	Fg	501	GTP	O4'-C4'-C5'-O5'
128	O0	501	GTP	C3'-C4'-C5'-O5'
129	0I	503	GDP	C3'-C4'-C5'-O5'
129	1M	501	GDP	C3'-C4'-C5'-O5'
129	G2	501	GDP	C3'-C4'-C5'-O5'
129	Kj	503	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	0C	501	GTP	C4'-C5'-O5'-PA
128	0M	501	GTP	C4'-C5'-O5'-PA
128	1H	501	GTP	C4'-C5'-O5'-PA
128	2A	501	GTP	C4'-C5'-O5'-PA
128	2K	501	GTP	C4'-C5'-O5'-PA
128	2W	501	GTP	C4'-C5'-O5'-PA
128	3A	501	GTP	C4'-C5'-O5'-PA
128	3I	501	GTP	C4'-C5'-O5'-PA
128	3K	501	GTP	C4'-C5'-O5'-PA
128	3M	501	GTP	C4'-C5'-O5'-PA
128	3O	501	GTP	C4'-C5'-O5'-PA
128	A1	501	GTP	C4'-C5'-O5'-PA
128	At	501	GTP	C4'-C5'-O5'-PA
128	BW	501	GTP	C4'-C5'-O5'-PA
128	Bi	501	GTP	C4'-C5'-O5'-PA
128	Bz	501	GTP	C4'-C5'-O5'-PA
128	Cg	501	GTP	C4'-C5'-O5'-PA
128	DE	501	GTP	C4'-C5'-O5'-PA
128	DM	501	GTP	C4'-C5'-O5'-PA
128	Dk	501	GTP	C4'-C5'-O5'-PA
128	Du	501	GTP	C4'-C5'-O5'-PA
128	E1	501	GTP	C4'-C5'-O5'-PA
128	EU	501	GTP	C4'-C5'-O5'-PA
128	F1	501	GTP	C4'-C5'-O5'-PA
128	F3	501	GTP	C4'-C5'-O5'-PA
128	Fr	501	GTP	C4'-C5'-O5'-PA
128	G7	501	GTP	C4'-C5'-O5'-PA
128	I4	502	GTP	C4'-C5'-O5'-PA
128	IL	501	GTP	C4'-C5'-O5'-PA
128	J0	501	GTP	C4'-C5'-O5'-PA
128	Jj	501	GTP	C4'-C5'-O5'-PA
128	KW	501	GTP	C4'-C5'-O5'-PA
128	Lh	501	GTP	C4'-C5'-O5'-PA
128	M2	501	GTP	C4'-C5'-O5'-PA
128	Mg	501	GTP	C4'-C5'-O5'-PA
128	N0	501	GTP	C4'-C5'-O5'-PA
128	O0	501	GTP	C4'-C5'-O5'-PA
128	O4	502	GTP	C4'-C5'-O5'-PA
128	O8	501	GTP	C4'-C5'-O5'-PA
128	P6	501	GTP	C4'-C5'-O5'-PA
128	S2	501	GTP	C4'-C5'-O5'-PA
128	W5	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	X6	501	GTP	C4'-C5'-O5'-PA
128	2G	501	GTP	C3'-C4'-C5'-O5'
128	3K	501	GTP	O4'-C4'-C5'-O5'
128	8H	501	GTP	O4'-C4'-C5'-O5'
128	Ay	502	GTP	O4'-C4'-C5'-O5'
128	Bh	501	GTP	O4'-C4'-C5'-O5'
128	CI	501	GTP	O4'-C4'-C5'-O5'
128	DV	501	GTP	O4'-C4'-C5'-O5'
128	F5	501	GTP	O4'-C4'-C5'-O5'
128	F8	501	GTP	O4'-C4'-C5'-O5'
128	FV	501	GTP	O4'-C4'-C5'-O5'
128	Fk	501	GTP	O4'-C4'-C5'-O5'
128	MG	501	GTP	O4'-C4'-C5'-O5'
128	NJ	501	GTP	O4'-C4'-C5'-O5'
128	S5	501	GTP	O4'-C4'-C5'-O5'
128	Y6	501	GTP	O4'-C4'-C5'-O5'
129	0Q	503	GDP	C3'-C4'-C5'-O5'
129	1Q	502	GDP	O4'-C4'-C5'-O5'
129	An	502	GDP	O4'-C4'-C5'-O5'
129	BM	501	GDP	O4'-C4'-C5'-O5'
129	FG	502	GDP	O4'-C4'-C5'-O5'
129	G4	501	GDP	O4'-C4'-C5'-O5'
129	H6	502	GDP	C3'-C4'-C5'-O5'
129	JJ	501	GDP	O4'-C4'-C5'-O5'
129	Kv	503	GDP	O4'-C4'-C5'-O5'
129	LT	501	GDP	O4'-C4'-C5'-O5'
129	Mi	501	GDP	O4'-C4'-C5'-O5'
128	0Q	502	GTP	C5'-O5'-PA-O2A
128	2C	501	GTP	C5'-O5'-PA-O1A
128	3C	501	GTP	C5'-O5'-PA-O2A
128	3O	501	GTP	C5'-O5'-PA-O2A
128	3S	501	GTP	C5'-O5'-PA-O2A
128	Az	501	GTP	C5'-O5'-PA-O3A
128	B0	501	GTP	C5'-O5'-PA-O2A
128	B5	501	GTP	C5'-O5'-PA-O3A
128	BY	501	GTP	C5'-O5'-PA-O1A
128	Bf	502	GTP	C5'-O5'-PA-O3A
128	Bi	501	GTP	C5'-O5'-PA-O1A
128	Bl	501	GTP	C5'-O5'-PA-O3A
128	Bm	501	GTP	C5'-O5'-PA-O3A
128	CR	502	GTP	C5'-O5'-PA-O1A
128	DH	501	GTP	C5'-O5'-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	DK	501	GTP	C5'-O5'-PA-O2A
128	DM	501	GTP	C5'-O5'-PA-O2A
128	E8	501	GTP	C5'-O5'-PA-O1A
128	E8	501	GTP	C5'-O5'-PA-O2A
128	EL	501	GTP	C5'-O5'-PA-O3A
128	EL	501	GTP	C5'-O5'-PA-O2A
128	Eq	501	GTP	C5'-O5'-PA-O2A
128	Fc	501	GTP	C5'-O5'-PA-O1A
128	GD	501	GTP	C5'-O5'-PA-O2A
128	Ii	501	GTP	C5'-O5'-PA-O2A
128	Kl	501	GTP	C5'-O5'-PA-O3A
128	Kl	501	GTP	C5'-O5'-PA-O2A
128	L4	501	GTP	C5'-O5'-PA-O2A
128	NF	501	GTP	C5'-O5'-PA-O1A
128	O2	501	GTP	C5'-O5'-PA-O1A
128	R8	502	GTP	C5'-O5'-PA-O2A
128	S2	501	GTP	C5'-O5'-PA-O2A
128	U2	501	GTP	C5'-O5'-PA-O3A
128	V8	501	GTP	C5'-O5'-PA-O1A
128	W8	501	GTP	C5'-O5'-PA-O2A
128	X0	501	GTP	C5'-O5'-PA-O1A
128	Y4	501	GTP	C5'-O5'-PA-O1A
128	Z3	501	GTP	C5'-O5'-PA-O1A
129	0A	502	GDP	C5'-O5'-PA-O1A
129	0I	503	GDP	C5'-O5'-PA-O1A
129	0K	502	GDP	C5'-O5'-PA-O1A
129	0O	502	GDP	C5'-O5'-PA-O1A
129	0U	501	GDP	C5'-O5'-PA-O1A
129	0W	501	GDP	C5'-O5'-PA-O1A
129	1C	502	GDP	C5'-O5'-PA-O1A
129	1Q	502	GDP	C5'-O5'-PA-O1A
129	1S	502	GDP	C5'-O5'-PA-O1A
129	2A	502	GDP	C5'-O5'-PA-O1A
129	2C	502	GDP	C5'-O5'-PA-O1A
129	2E	502	GDP	C5'-O5'-PA-O1A
129	2M	501	GDP	C5'-O5'-PA-O1A
129	2U	502	GDP	C5'-O5'-PA-O1A
129	3C	502	GDP	C5'-O5'-PA-O1A
129	A3	501	GDP	C5'-O5'-PA-O1A
129	Al	501	GDP	C5'-O5'-PA-O1A
129	Ap	501	GDP	C5'-O5'-PA-O1A
129	Ay	503	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	B1	501	GDP	C5'-O5'-PA-O3A
129	B5	502	GDP	C5'-O5'-PA-O1A
129	B6	501	GDP	C5'-O5'-PA-O1A
129	B8	501	GDP	C5'-O5'-PA-O1A
129	BM	501	GDP	C5'-O5'-PA-O1A
129	Bf	501	GDP	C5'-O5'-PA-O1A
129	Bj	501	GDP	C5'-O5'-PA-O1A
129	Bl	502	GDP	C5'-O5'-PA-O1A
129	Bs	501	GDP	C5'-O5'-PA-O1A
129	Bw	503	GDP	C5'-O5'-PA-O1A
129	By	503	GDP	C5'-O5'-PA-O1A
129	C2	501	GDP	C5'-O5'-PA-O1A
129	C4	501	GDP	C5'-O5'-PA-O1A
129	C8	502	GDP	C5'-O5'-PA-O1A
129	CK	502	GDP	C5'-O5'-PA-O1A
129	CM	503	GDP	C5'-O5'-PA-O1A
129	CV	501	GDP	C5'-O5'-PA-O1A
129	CX	502	GDP	C5'-O5'-PA-O1A
129	Ci	502	GDP	C5'-O5'-PA-O1A
129	Cm	502	GDP	C5'-O5'-PA-O1A
129	Cr	501	GDP	C5'-O5'-PA-O1A
129	DR	502	GDP	C5'-O5'-PA-O1A
129	De	502	GDP	C5'-O5'-PA-O1A
129	Dg	501	GDP	C5'-O5'-PA-O1A
129	Dr	502	GDP	C5'-O5'-PA-O1A
129	Dt	502	GDP	C5'-O5'-PA-O1A
129	Dx	501	GDP	C5'-O5'-PA-O3A
129	E0	501	GDP	C5'-O5'-PA-O1A
129	E2	501	GDP	C5'-O5'-PA-O1A
129	E6	502	GDP	C5'-O5'-PA-O1A
129	ED	502	GDP	C5'-O5'-PA-O1A
129	EF	502	GDP	C5'-O5'-PA-O1A
129	ES	501	GDP	C5'-O5'-PA-O1A
129	EU	502	GDP	C5'-O5'-PA-O1A
129	EW	501	GDP	C5'-O5'-PA-O1A
129	EY	502	GDP	C5'-O5'-PA-O1A
129	Ed	502	GDP	C5'-O5'-PA-O1A
129	Eh	502	GDP	C5'-O5'-PA-O1A
129	Ej	501	GDP	C5'-O5'-PA-O1A
129	Es	502	GDP	C5'-O5'-PA-O1A
129	Ew	502	GDP	C5'-O5'-PA-O3A
129	F0	502	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	FK	501	GDP	C5'-O5'-PA-O1A
129	FT	503	GDP	C5'-O5'-PA-O1A
129	FV	502	GDP	C5'-O5'-PA-O1A
129	Fc	502	GDP	C5'-O5'-PA-O1A
129	Fe	502	GDP	C5'-O5'-PA-O1A
129	Fk	502	GDP	C5'-O5'-PA-O1A
129	Fp	502	GDP	C5'-O5'-PA-O1A
129	Fr	502	GDP	C5'-O5'-PA-O1A
129	Ft	502	GDP	C5'-O5'-PA-O1A
129	Fv	502	GDP	C5'-O5'-PA-O1A
129	G0	502	GDP	C5'-O5'-PA-O1A
129	G6	501	GDP	C5'-O5'-PA-O1A
129	GB	502	GDP	C5'-O5'-PA-O1A
129	H4	501	GDP	C5'-O5'-PA-O1A
129	H6	502	GDP	C5'-O5'-PA-O1A
129	H8	503	GDP	C5'-O5'-PA-O1A
129	I0	502	GDP	C5'-O5'-PA-O1A
129	IW	502	GDP	C5'-O5'-PA-O1A
129	Iw	502	GDP	C5'-O5'-PA-O1A
129	J0	502	GDP	C5'-O5'-PA-O1A
129	J4	502	GDP	C5'-O5'-PA-O1A
129	J8	503	GDP	C5'-O5'-PA-O1A
129	JU	503	GDP	C5'-O5'-PA-O1A
129	JW	503	GDP	C5'-O5'-PA-O1A
129	JY	501	GDP	C5'-O5'-PA-O1A
129	Jh	503	GDP	C5'-O5'-PA-O1A
129	Jl	503	GDP	C5'-O5'-PA-O1A
129	Ju	501	GDP	C5'-O5'-PA-O1A
129	Jy	502	GDP	C5'-O5'-PA-O1A
129	K0	502	GDP	C5'-O5'-PA-O1A
129	K4	502	GDP	C5'-O5'-PA-O1A
129	K6	502	GDP	C5'-O5'-PA-O1A
129	K8	501	GDP	C5'-O5'-PA-O1A
129	KU	502	GDP	C5'-O5'-PA-O1A
129	Kh	501	GDP	C5'-O5'-PA-O1A
129	Kj	503	GDP	C5'-O5'-PA-O1A
129	Kl	502	GDP	C5'-O5'-PA-O1A
129	L0	501	GDP	C5'-O5'-PA-O1A
129	L4	502	GDP	C5'-O5'-PA-O1A
129	L6	502	GDP	C5'-O5'-PA-O1A
129	LX	502	GDP	C5'-O5'-PA-O1A
129	Lj	501	GDP	C5'-O5'-PA-O1A

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Mol	Chain	Res	Type	Atoms
129	Lu	502	GDP	C5'-O5'-PA-O1A
129	Lw	501	GDP	C5'-O5'-PA-O1A
129	M2	502	GDP	C5'-O5'-PA-O1A
129	M8	501	GDP	C5'-O5'-PA-O1A
129	MG	502	GDP	C5'-O5'-PA-O1A
129	MI	501	GDP	C5'-O5'-PA-O1A
129	MV	502	GDP	C5'-O5'-PA-O1A
129	Mg	502	GDP	C5'-O5'-PA-O1A
129	N0	502	GDP	C5'-O5'-PA-O1A
129	N2	501	GDP	C5'-O5'-PA-O1A
129	N6	502	GDP	C5'-O5'-PA-O1A
129	N8	502	GDP	C5'-O5'-PA-O1A
129	NS	502	GDP	C5'-O5'-PA-O1A
129	Nf	502	GDP	C5'-O5'-PA-O1A
129	O2	502	GDP	C5'-O5'-PA-O1A
129	O8	502	GDP	C5'-O5'-PA-O1A
129	P4	503	GDP	C5'-O5'-PA-O1A
129	Q0	501	GDP	C5'-O5'-PA-O1A
129	Q8	501	GDP	C5'-O5'-PA-O1A
129	R0	502	GDP	C5'-O5'-PA-O1A
129	R4	502	GDP	C5'-O5'-PA-O1A
129	S6	501	GDP	C5'-O5'-PA-O1A
129	S8	502	GDP	C5'-O5'-PA-O1A
129	T4	502	GDP	C5'-O5'-PA-O1A
129	U2	502	GDP	C5'-O5'-PA-O1A
129	U4	502	GDP	C5'-O5'-PA-O1A
129	V4	501	GDP	C5'-O5'-PA-O1A
129	V6	501	GDP	C5'-O5'-PA-O1A
129	X2	501	GDP	C5'-O5'-PA-O1A
129	X8	501	GDP	C5'-O5'-PA-O1A
129	Y2	501	GDP	C5'-O5'-PA-O1A
129	Y4	502	GDP	C5'-O5'-PA-O1A
129	Z2	502	GDP	C5'-O5'-PA-O1A
129	Z8	501	GDP	C5'-O5'-PA-O1A
128	0A	501	GTP	C4'-C5'-O5'-PA
128	0F	501	GTP	C4'-C5'-O5'-PA
128	0I	502	GTP	C4'-C5'-O5'-PA
128	0K	501	GTP	C4'-C5'-O5'-PA
128	0V	501	GTP	C4'-C5'-O5'-PA
128	0Y	501	GTP	C4'-C5'-O5'-PA
128	1L	501	GTP	C4'-C5'-O5'-PA
128	1N	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	1Q	501	GTP	C4'-C5'-O5'-PA
128	1W	501	GTP	C4'-C5'-O5'-PA
128	1X	501	GTP	C4'-C5'-O5'-PA
128	2I	501	GTP	C4'-C5'-O5'-PA
128	2S	501	GTP	C4'-C5'-O5'-PA
128	2Y	501	GTP	C4'-C5'-O5'-PA
128	3C	501	GTP	C4'-C5'-O5'-PA
128	3G	501	GTP	C4'-C5'-O5'-PA
128	3P	501	GTP	C4'-C5'-O5'-PA
128	3S	501	GTP	C4'-C5'-O5'-PA
128	8H	501	GTP	C4'-C5'-O5'-PA
128	8I	501	GTP	C4'-C5'-O5'-PA
128	8M	501	GTP	C4'-C5'-O5'-PA
128	A2	501	GTP	C4'-C5'-O5'-PA
128	A4	501	GTP	C4'-C5'-O5'-PA
128	AT	501	GTP	C4'-C5'-O5'-PA
128	Ag	501	GTP	C4'-C5'-O5'-PA
128	Ak	501	GTP	C4'-C5'-O5'-PA
128	An	501	GTP	C4'-C5'-O5'-PA
128	Ao	501	GTP	C4'-C5'-O5'-PA
128	B2	501	GTP	C4'-C5'-O5'-PA
128	BB	501	GTP	C4'-C5'-O5'-PA
128	Bh	501	GTP	C4'-C5'-O5'-PA
128	Bl	501	GTP	C4'-C5'-O5'-PA
128	Bm	501	GTP	C4'-C5'-O5'-PA
128	Bo	501	GTP	C4'-C5'-O5'-PA
128	Bw	501	GTP	C4'-C5'-O5'-PA
128	By	502	GTP	C4'-C5'-O5'-PA
128	C0	501	GTP	C4'-C5'-O5'-PA
128	C1	501	GTP	C4'-C5'-O5'-PA
128	CE	502	GTP	C4'-C5'-O5'-PA
128	CK	501	GTP	C4'-C5'-O5'-PA
128	CX	501	GTP	C4'-C5'-O5'-PA
128	Cj	501	GTP	C4'-C5'-O5'-PA
128	Cr	502	GTP	C4'-C5'-O5'-PA
128	Cx	501	GTP	C4'-C5'-O5'-PA
128	DG	501	GTP	C4'-C5'-O5'-PA
128	DH	501	GTP	C4'-C5'-O5'-PA
128	DR	501	GTP	C4'-C5'-O5'-PA
128	DT	501	GTP	C4'-C5'-O5'-PA
128	DX	501	GTP	C4'-C5'-O5'-PA
128	DZ	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	De	501	GTP	C4'-C5'-O5'-PA
128	Df	501	GTP	C4'-C5'-O5'-PA
128	Dt	501	GTP	C4'-C5'-O5'-PA
128	Dz	501	GTP	C4'-C5'-O5'-PA
128	E4	501	GTP	C4'-C5'-O5'-PA
128	E6	501	GTP	C4'-C5'-O5'-PA
128	ED	501	GTP	C4'-C5'-O5'-PA
128	EL	501	GTP	C4'-C5'-O5'-PA
128	EV	501	GTP	C4'-C5'-O5'-PA
128	Ei	501	GTP	C4'-C5'-O5'-PA
128	Eq	501	GTP	C4'-C5'-O5'-PA
128	Es	501	GTP	C4'-C5'-O5'-PA
128	Eu	501	GTP	C4'-C5'-O5'-PA
128	Ew	501	GTP	C4'-C5'-O5'-PA
128	F0	501	GTP	C4'-C5'-O5'-PA
128	F5	501	GTP	C4'-C5'-O5'-PA
128	F8	501	GTP	C4'-C5'-O5'-PA
128	FE	501	GTP	C4'-C5'-O5'-PA
128	FG	501	GTP	C4'-C5'-O5'-PA
128	FQ	501	GTP	C4'-C5'-O5'-PA
128	FT	502	GTP	C4'-C5'-O5'-PA
128	Fc	501	GTP	C4'-C5'-O5'-PA
128	Fi	501	GTP	C4'-C5'-O5'-PA
128	Fk	501	GTP	C4'-C5'-O5'-PA
128	Fp	501	GTP	C4'-C5'-O5'-PA
128	Fv	501	GTP	C4'-C5'-O5'-PA
128	G1	501	GTP	C4'-C5'-O5'-PA
128	GB	501	GTP	C4'-C5'-O5'-PA
128	GD	501	GTP	C4'-C5'-O5'-PA
128	H2	501	GTP	C4'-C5'-O5'-PA
128	H3	501	GTP	C4'-C5'-O5'-PA
128	H6	501	GTP	C4'-C5'-O5'-PA
128	H8	501	GTP	C4'-C5'-O5'-PA
128	I0	501	GTP	C4'-C5'-O5'-PA
128	I1	501	GTP	C4'-C5'-O5'-PA
128	I5	501	GTP	C4'-C5'-O5'-PA
128	I8	501	GTP	C4'-C5'-O5'-PA
128	IK	501	GTP	C4'-C5'-O5'-PA
128	IX	501	GTP	C4'-C5'-O5'-PA
128	Iy	501	GTP	C4'-C5'-O5'-PA
128	J2	501	GTP	C4'-C5'-O5'-PA
128	J6	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	JI	502	GTP	C4'-C5'-O5'-PA
128	JU	501	GTP	C4'-C5'-O5'-PA
128	JW	502	GTP	C4'-C5'-O5'-PA
128	JX	501	GTP	C4'-C5'-O5'-PA
128	Jy	501	GTP	C4'-C5'-O5'-PA
128	K0	501	GTP	C4'-C5'-O5'-PA
128	K4	501	GTP	C4'-C5'-O5'-PA
128	K9	501	GTP	C4'-C5'-O5'-PA
128	KI	501	GTP	C4'-C5'-O5'-PA
128	KL	501	GTP	C4'-C5'-O5'-PA
128	Kj	502	GTP	C4'-C5'-O5'-PA
128	Kl	501	GTP	C4'-C5'-O5'-PA
128	Kv	501	GTP	C4'-C5'-O5'-PA
128	Kx	501	GTP	C4'-C5'-O5'-PA
128	L4	501	GTP	C4'-C5'-O5'-PA
128	LH	501	GTP	C4'-C5'-O5'-PA
128	Lu	501	GTP	C4'-C5'-O5'-PA
128	Lv	501	GTP	C4'-C5'-O5'-PA
128	M4	501	GTP	C4'-C5'-O5'-PA
128	MH	501	GTP	C4'-C5'-O5'-PA
128	MT	501	GTP	C4'-C5'-O5'-PA
128	N1	501	GTP	C4'-C5'-O5'-PA
128	NH	501	GTP	C4'-C5'-O5'-PA
128	NS	501	GTP	C4'-C5'-O5'-PA
128	NU	501	GTP	C4'-C5'-O5'-PA
128	NW	501	GTP	C4'-C5'-O5'-PA
128	Nf	501	GTP	C4'-C5'-O5'-PA
128	Nh	501	GTP	C4'-C5'-O5'-PA
128	P4	501	GTP	C4'-C5'-O5'-PA
128	P8	501	GTP	C4'-C5'-O5'-PA
128	P9	501	GTP	C4'-C5'-O5'-PA
128	Q2	501	GTP	C4'-C5'-O5'-PA
128	Q4	501	GTP	C4'-C5'-O5'-PA
128	R0	501	GTP	C4'-C5'-O5'-PA
128	R2	502	GTP	C4'-C5'-O5'-PA
128	R4	501	GTP	C4'-C5'-O5'-PA
128	S0	501	GTP	C4'-C5'-O5'-PA
128	S5	501	GTP	C4'-C5'-O5'-PA
128	S8	501	GTP	C4'-C5'-O5'-PA
128	S9	501	GTP	C4'-C5'-O5'-PA
128	T6	501	GTP	C4'-C5'-O5'-PA
128	U2	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	U4	501	GTP	C4'-C5'-O5'-PA
128	U6	501	GTP	C4'-C5'-O5'-PA
128	U7	501	GTP	C4'-C5'-O5'-PA
128	V2	501	GTP	C4'-C5'-O5'-PA
128	V3	501	GTP	C4'-C5'-O5'-PA
128	W0	501	GTP	C4'-C5'-O5'-PA
128	W4	501	GTP	C4'-C5'-O5'-PA
128	W8	501	GTP	C4'-C5'-O5'-PA
128	Y0	501	GTP	C4'-C5'-O5'-PA
128	Z2	501	GTP	C4'-C5'-O5'-PA
128	0K	501	GTP	PB-O3B-PG-O1G
128	1A	501	GTP	PB-O3B-PG-O1G
128	Cv	502	GTP	PB-O3B-PG-O1G
128	ED	501	GTP	PB-O3B-PG-O1G
128	KU	501	GTP	PB-O3B-PG-O1G
129	0U	501	GDP	PA-O3A-PB-O1B
129	3G	502	GDP	PA-O3A-PB-O1B
129	3I	502	GDP	PA-O3A-PB-O1B
129	Al	501	GDP	PA-O3A-PB-O1B
129	BK	501	GDP	PA-O3A-PB-O1B
129	D0	501	GDP	PA-O3A-PB-O1B
129	DK	502	GDP	PA-O3A-PB-O1B
129	F6	501	GDP	PA-O3A-PB-O1B
129	FE	502	GDP	PA-O3A-PB-O1B
129	J0	502	GDP	PA-O3A-PB-O1B
129	JJ	501	GDP	PA-O3A-PB-O1B
129	JW	503	GDP	PA-O3A-PB-O1B
129	Kl	502	GDP	PA-O3A-PB-O1B
129	LJ	502	GDP	PA-O3A-PB-O1B
129	T0	501	GDP	PA-O3A-PB-O1B
128	0I	502	GTP	C3'-C4'-C5'-O5'
128	Aj	501	GTP	C3'-C4'-C5'-O5'
128	Bf	502	GTP	C3'-C4'-C5'-O5'
128	GD	501	GTP	O4'-C4'-C5'-O5'
128	Kv	501	GTP	O4'-C4'-C5'-O5'
128	Kx	501	GTP	O4'-C4'-C5'-O5'
128	P6	501	GTP	O4'-C4'-C5'-O5'
128	Q2	501	GTP	O4'-C4'-C5'-O5'
129	1G	502	GDP	C3'-C4'-C5'-O5'
129	3G	502	GDP	C3'-C4'-C5'-O5'
129	Bw	503	GDP	O4'-C4'-C5'-O5'
129	CM	503	GDP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	D4	501	GDP	C3'-C4'-C5'-O5'
129	Dv	501	GDP	O4'-C4'-C5'-O5'
129	EL	502	GDP	C3'-C4'-C5'-O5'
129	FT	503	GDP	C3'-C4'-C5'-O5'
129	JY	501	GDP	O4'-C4'-C5'-O5'
129	Kl	502	GDP	C3'-C4'-C5'-O5'
129	R4	502	GDP	O4'-C4'-C5'-O5'
128	2G	501	GTP	C4'-C5'-O5'-PA
128	Az	501	GTP	C4'-C5'-O5'-PA
128	Bu	501	GTP	C4'-C5'-O5'-PA
128	CU	501	GTP	C4'-C5'-O5'-PA
128	DK	501	GTP	C4'-C5'-O5'-PA
128	FJ	501	GTP	C4'-C5'-O5'-PA
128	Jl	502	GTP	C4'-C5'-O5'-PA
128	LX	501	GTP	C4'-C5'-O5'-PA
128	0A	501	GTP	PB-O3A-PA-O1A
128	0F	501	GTP	PA-O3A-PB-O2B
128	0I	502	GTP	PA-O3A-PB-O2B
128	0M	501	GTP	PA-O3A-PB-O1B
128	1N	501	GTP	PA-O3A-PB-O1B
128	1T	501	GTP	PA-O3A-PB-O2B
128	1X	501	GTP	PA-O3A-PB-O2B
128	2K	501	GTP	PA-O3A-PB-O1B
128	2W	501	GTP	PA-O3A-PB-O2B
128	3S	501	GTP	PB-O3A-PA-O1A
128	8I	501	GTP	PA-O3A-PB-O2B
128	A4	501	GTP	PA-O3A-PB-O1B
128	AT	501	GTP	PA-O3A-PB-O2B
128	Ay	502	GTP	PA-O3A-PB-O2B
128	BB	501	GTP	PB-O3A-PA-O1A
128	Bb	501	GTP	PB-O3A-PA-O2A
128	Bh	501	GTP	PA-O3A-PB-O2B
128	Bi	501	GTP	PA-O3A-PB-O2B
128	Bo	501	GTP	PA-O3A-PB-O2B
128	Bz	501	GTP	PB-O3A-PA-O1A
128	C0	501	GTP	PA-O3A-PB-O1B
128	C0	501	GTP	PB-O3A-PA-O1A
128	CE	502	GTP	PA-O3A-PB-O1B
128	CI	501	GTP	PA-O3A-PB-O2B
128	CZ	501	GTP	PA-O3A-PB-O1B
128	Ce	502	GTP	PA-O3A-PB-O1B
128	Cj	501	GTP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
128	DG	501	GTP	PA-O3A-PB-O1B
128	DK	501	GTP	PA-O3A-PB-O2B
128	DM	501	GTP	PA-O3A-PB-O2B
128	DT	501	GTP	PA-O3A-PB-O2B
128	DX	501	GTP	PA-O3A-PB-O2B
128	Di	501	GTP	PA-O3A-PB-O2B
128	Dk	501	GTP	PA-O3A-PB-O2B
128	Dm	501	GTP	PA-O3A-PB-O2B
128	Dr	501	GTP	PB-O3A-PA-O1A
128	EV	501	GTP	PB-O3A-PA-O2A
128	FW	501	GTP	PA-O3A-PB-O2B
128	Fp	501	GTP	PA-O3A-PB-O2B
128	Fx	501	GTP	PA-O3A-PB-O2B
128	G1	501	GTP	PA-O3A-PB-O1B
128	GH	501	GTP	PA-O3A-PB-O1B
128	I4	502	GTP	PA-O3A-PB-O1B
128	I4	502	GTP	PB-O3A-PA-O1A
128	IW	501	GTP	PA-O3A-PB-O2B
128	Iy	501	GTP	PA-O3A-PB-O2B
128	JU	501	GTP	PB-O3A-PA-O1A
128	Jy	501	GTP	PB-O3A-PA-O1A
128	K6	501	GTP	PA-O3A-PB-O2B
128	KI	501	GTP	PA-O3A-PB-O1B
128	KW	501	GTP	PA-O3A-PB-O2B
128	Kl	501	GTP	PB-O3A-PA-O1A
128	Li	501	GTP	PA-O3A-PB-O2B
128	Lu	501	GTP	PA-O3A-PB-O2B
128	M7	501	GTP	PA-O3A-PB-O2B
128	Nh	501	GTP	PB-O3A-PA-O1A
128	O4	502	GTP	PA-O3A-PB-O2B
128	O8	501	GTP	PA-O3A-PB-O2B
128	P4	501	GTP	PA-O3A-PB-O2B
128	Q4	501	GTP	PA-O3A-PB-O2B
128	R4	501	GTP	PA-O3A-PB-O2B
128	S0	501	GTP	PA-O3A-PB-O2B
128	S2	501	GTP	PA-O3A-PB-O2B
128	S9	501	GTP	PA-O3A-PB-O1B
128	T2	501	GTP	PA-O3A-PB-O2B
128	T4	501	GTP	PA-O3A-PB-O2B
128	U7	501	GTP	PA-O3A-PB-O2B
128	W2	501	GTP	PA-O3A-PB-O1B
128	X6	501	GTP	PA-O3A-PB-O2B

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Mol	Chain	Res	Type	Atoms
128	Y0	501	GTP	PA-O3A-PB-O2B
128	3C	501	GTP	C3'-C4'-C5'-O5'
128	C8	501	GTP	C3'-C4'-C5'-O5'
128	Iy	501	GTP	C3'-C4'-C5'-O5'
129	1C	502	GDP	C3'-C4'-C5'-O5'
129	Cz	502	GDP	C3'-C4'-C5'-O5'
129	Fp	502	GDP	C3'-C4'-C5'-O5'
129	O0	502	GDP	C3'-C4'-C5'-O5'
128	1D	501	GTP	C4'-C5'-O5'-PA
128	1G	501	GTP	C4'-C5'-O5'-PA
128	B5	501	GTP	C4'-C5'-O5'-PA
128	BU	501	GTP	C4'-C5'-O5'-PA
128	Bf	502	GTP	C4'-C5'-O5'-PA
128	DV	501	GTP	C4'-C5'-O5'-PA
128	KH	501	GTP	C4'-C5'-O5'-PA
128	NJ	501	GTP	C4'-C5'-O5'-PA
128	8L	501	GTP	O4'-C4'-C5'-O5'
128	Eh	501	GTP	O4'-C4'-C5'-O5'
128	JU	501	GTP	C3'-C4'-C5'-O5'
129	FE	502	GDP	C3'-C4'-C5'-O5'
129	Fe	502	GDP	C3'-C4'-C5'-O5'
129	Jl	503	GDP	C3'-C4'-C5'-O5'
128	2Q	501	GTP	C4'-C5'-O5'-PA
128	8L	501	GTP	C4'-C5'-O5'-PA
128	Aj	501	GTP	C4'-C5'-O5'-PA
128	Cv	502	GTP	C4'-C5'-O5'-PA
128	EY	501	GTP	C4'-C5'-O5'-PA
128	Fe	501	GTP	C4'-C5'-O5'-PA
128	Fg	501	GTP	C4'-C5'-O5'-PA
128	Fl	501	GTP	C4'-C5'-O5'-PA
128	M6	501	GTP	C4'-C5'-O5'-PA
128	NF	501	GTP	C4'-C5'-O5'-PA
128	O6	501	GTP	C4'-C5'-O5'-PA
128	8M	501	GTP	PB-O3B-PG-O1G
128	Aj	501	GTP	PB-O3B-PG-O1G
128	ER	501	GTP	PB-O3B-PG-O1G
128	MV	501	GTP	PB-O3B-PG-O1G
129	1M	501	GDP	PA-O3A-PB-O1B
129	1Q	502	GDP	PA-O3A-PB-O1B
129	2U	502	GDP	PA-O3A-PB-O1B
129	B6	501	GDP	PA-O3A-PB-O1B
129	BI	501	GDP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
129	BS	501	GDP	PA-O3A-PB-O1B
129	E4	502	GDP	PA-O3A-PB-O1B
129	FG	502	GDP	PA-O3A-PB-O1B
129	K0	502	GDP	PA-O3A-PB-O1B
129	L6	502	GDP	PA-O3A-PB-O1B
129	MT	502	GDP	PA-O3A-PB-O1B
129	Q2	502	GDP	PA-O3A-PB-O1B
129	R8	503	GDP	PA-O3A-PB-O1B
129	U4	502	GDP	PA-O3A-PB-O1B
128	1G	501	GTP	C3'-C4'-C5'-O5'
128	Cx	501	GTP	C3'-C4'-C5'-O5'
128	El	501	GTP	O4'-C4'-C5'-O5'
128	G7	501	GTP	O4'-C4'-C5'-O5'
128	KU	501	GTP	C3'-C4'-C5'-O5'
128	P9	501	GTP	C3'-C4'-C5'-O5'
129	2M	501	GDP	C3'-C4'-C5'-O5'
129	BI	501	GDP	O4'-C4'-C5'-O5'
128	1A	501	GTP	C4'-C5'-O5'-PA
128	1C	501	GTP	C4'-C5'-O5'-PA
128	2E	501	GTP	C4'-C5'-O5'-PA
128	B7	501	GTP	C4'-C5'-O5'-PA
128	BN	501	GTP	C4'-C5'-O5'-PA
128	C4	502	GTP	C4'-C5'-O5'-PA
128	Cz	501	GTP	C4'-C5'-O5'-PA
128	G0	501	GTP	C4'-C5'-O5'-PA
128	G5	501	GTP	C4'-C5'-O5'-PA
128	Jw	501	GTP	C4'-C5'-O5'-PA
128	KU	501	GTP	C4'-C5'-O5'-PA
128	KY	501	GTP	C4'-C5'-O5'-PA
128	L2	501	GTP	C4'-C5'-O5'-PA
128	L6	501	GTP	C4'-C5'-O5'-PA
128	Mh	501	GTP	C4'-C5'-O5'-PA
128	Ni	501	GTP	C4'-C5'-O5'-PA
128	O2	501	GTP	C4'-C5'-O5'-PA
128	BJ	501	GTP	C3'-C4'-C5'-O5'
128	BY	501	GTP	O4'-C4'-C5'-O5'
128	Bl	501	GTP	O4'-C4'-C5'-O5'
128	Bz	501	GTP	O4'-C4'-C5'-O5'
128	Cr	502	GTP	C3'-C4'-C5'-O5'
128	Cz	501	GTP	O4'-C4'-C5'-O5'
128	DK	501	GTP	O4'-C4'-C5'-O5'
128	Df	501	GTP	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
128	Fc	501	GTP	O4'-C4'-C5'-O5'
128	Fl	501	GTP	O4'-C4'-C5'-O5'
128	GH	501	GTP	O4'-C4'-C5'-O5'
128	Lv	501	GTP	O4'-C4'-C5'-O5'
128	N8	501	GTP	O4'-C4'-C5'-O5'
128	R8	502	GTP	O4'-C4'-C5'-O5'
128	S2	501	GTP	O4'-C4'-C5'-O5'
128	U7	501	GTP	O4'-C4'-C5'-O5'
128	W4	501	GTP	O4'-C4'-C5'-O5'
129	0M	502	GDP	O4'-C4'-C5'-O5'
129	2U	502	GDP	C3'-C4'-C5'-O5'
129	A7	501	GDP	O4'-C4'-C5'-O5'
129	BO	501	GDP	O4'-C4'-C5'-O5'
129	Bj	501	GDP	O4'-C4'-C5'-O5'
129	Bl	502	GDP	O4'-C4'-C5'-O5'
129	CT	501	GDP	C3'-C4'-C5'-O5'
129	DZ	502	GDP	O4'-C4'-C5'-O5'
129	F6	501	GDP	O4'-C4'-C5'-O5'
129	FI	502	GDP	O4'-C4'-C5'-O5'
129	FP	501	GDP	C3'-C4'-C5'-O5'
129	M6	502	GDP	O4'-C4'-C5'-O5'
129	U8	502	GDP	O4'-C4'-C5'-O5'
129	W8	502	GDP	O4'-C4'-C5'-O5'
128	0Q	502	GTP	PA-O3A-PB-O2B
128	1C	501	GTP	PA-O3A-PB-O1B
128	1H	501	GTP	PB-O3A-PA-O1A
128	1N	501	GTP	PA-O3A-PB-O2B
128	1Q	501	GTP	PB-O3A-PA-O1A
128	1X	501	GTP	PA-O3A-PB-O1B
128	2K	501	GTP	PA-O3A-PB-O2B
128	2Q	501	GTP	PA-O3A-PB-O1B
128	3G	501	GTP	PA-O3A-PB-O1B
128	An	501	GTP	PA-O3A-PB-O1B
128	Av	501	GTP	PA-O3A-PB-O2B
128	Ay	502	GTP	PA-O3A-PB-O1B
128	By	502	GTP	PB-O3A-PA-O1A
128	CE	502	GTP	PA-O3A-PB-O2B
128	CK	501	GTP	PA-O3A-PB-O1B
128	Cj	501	GTP	PB-O3A-PA-O1A
128	Df	501	GTP	PA-O3A-PB-O1B
128	Dr	501	GTP	PA-O3A-PB-O1B
128	Dw	501	GTP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
128	E0	502	GTP	PB-O3A-PA-O2A
128	EF	501	GTP	PB-O3A-PA-O1A
128	EH	501	GTP	PB-O3A-PA-O1A
128	EL	501	GTP	PA-O3A-PB-O2B
128	Eh	501	GTP	PA-O3A-PB-O2B
128	Ei	501	GTP	PB-O3A-PA-O2A
128	F1	501	GTP	PB-O3A-PA-O1A
128	FT	502	GTP	PA-O3A-PB-O1B
128	FT	502	GTP	PB-O3A-PA-O1A
128	FV	501	GTP	PA-O3A-PB-O1B
128	Fr	501	GTP	PB-O3A-PA-O1A
128	Fv	501	GTP	PB-O3A-PA-O2A
128	G1	501	GTP	PA-O3A-PB-O2B
128	GH	501	GTP	PA-O3A-PB-O2B
128	GI	501	GTP	PA-O3A-PB-O2B
128	H6	501	GTP	PB-O3A-PA-O1A
128	J4	501	GTP	PA-O3A-PB-O1B
128	J6	501	GTP	PA-O3A-PB-O1B
128	J8	502	GTP	PA-O3A-PB-O2B
128	Jy	501	GTP	PA-O3A-PB-O1B
128	K9	501	GTP	PB-O3A-PA-O1A
128	LU	501	GTP	PA-O3A-PB-O1B
128	Lh	501	GTP	PB-O3A-PA-O2A
128	Lv	501	GTP	PB-O3A-PA-O2A
128	M4	501	GTP	PB-O3A-PA-O1A
128	MG	501	GTP	PB-O3A-PA-O1A
128	MV	501	GTP	PA-O3A-PB-O1B
128	P9	501	GTP	PA-O3A-PB-O2B
128	R8	502	GTP	PB-O3A-PA-O2A
128	S9	501	GTP	PA-O3A-PB-O2B
128	T2	501	GTP	PA-O3A-PB-O1B
128	U4	501	GTP	PA-O3A-PB-O1B
128	U4	501	GTP	PA-O3A-PB-O2B
128	U4	501	GTP	PB-O3A-PA-O1A
128	U7	501	GTP	PA-O3A-PB-O1B
128	U7	501	GTP	PB-O3A-PA-O1A
128	W2	501	GTP	PA-O3A-PB-O2B
128	W4	501	GTP	PB-O3A-PA-O1A
128	W8	501	GTP	PB-O3A-PA-O1A
128	0A	501	GTP	PB-O3A-PA-O5’
128	1D	501	GTP	PB-O3A-PA-O5’
128	CK	501	GTP	PB-O3A-PA-O5’

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Mol	Chain	Res	Type	Atoms
128	Dr	501	GTP	PB-O3A-PA-O5'
128	F8	501	GTP	PB-O3A-PA-O5'
128	IK	501	GTP	PB-O3A-PA-O5'
128	JU	501	GTP	PB-O3A-PA-O5'
128	KL	501	GTP	PB-O3A-PA-O5'
128	Nh	501	GTP	PB-O3A-PA-O5'
128	W5	501	GTP	PB-O3A-PA-O5'
128	Z2	501	GTP	PB-O3A-PA-O5'
128	0O	501	GTP	C4'-C5'-O5'-PA
128	0Q	502	GTP	C4'-C5'-O5'-PA
128	2L	501	GTP	C4'-C5'-O5'-PA
128	BY	501	GTP	C4'-C5'-O5'-PA
128	Bb	501	GTP	C4'-C5'-O5'-PA
128	CR	502	GTP	C4'-C5'-O5'-PA
128	Ci	501	GTP	C4'-C5'-O5'-PA
128	K7	501	GTP	C4'-C5'-O5'-PA
128	R8	502	GTP	C4'-C5'-O5'-PA
128	2W	501	GTP	O4'-C4'-C5'-O5'
128	3O	501	GTP	O4'-C4'-C5'-O5'
128	Bi	501	GTP	O4'-C4'-C5'-O5'
128	Ct	501	GTP	O4'-C4'-C5'-O5'
128	IW	501	GTP	O4'-C4'-C5'-O5'
128	O0	501	GTP	O4'-C4'-C5'-O5'
128	P8	501	GTP	O4'-C4'-C5'-O5'
128	T2	501	GTP	O4'-C4'-C5'-O5'
128	T6	501	GTP	O4'-C4'-C5'-O5'
129	1E	501	GDP	O4'-C4'-C5'-O5'
129	2W	502	GDP	C3'-C4'-C5'-O5'
129	Al	501	GDP	O4'-C4'-C5'-O5'
129	DM	502	GDP	O4'-C4'-C5'-O5'
129	E2	501	GDP	C3'-C4'-C5'-O5'
129	E4	502	GDP	O4'-C4'-C5'-O5'
129	EU	502	GDP	O4'-C4'-C5'-O5'
129	G0	502	GDP	O4'-C4'-C5'-O5'
129	GB	502	GDP	C3'-C4'-C5'-O5'
129	JW	503	GDP	C3'-C4'-C5'-O5'
129	K0	502	GDP	O4'-C4'-C5'-O5'
129	Mg	502	GDP	O4'-C4'-C5'-O5'
129	V8	502	GDP	O4'-C4'-C5'-O5'
128	A9	501	GTP	C4'-C5'-O5'-PA
128	CS	501	GTP	C4'-C5'-O5'-PA
128	EQ	501	GTP	C4'-C5'-O5'-PA

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Mol	Chain	Res	Type	Atoms
128	G3	502	GTP	C4'-C5'-O5'-PA
128	JK	501	GTP	C4'-C5'-O5'-PA
128	M0	501	GTP	C4'-C5'-O5'-PA
128	N8	501	GTP	C4'-C5'-O5'-PA
128	T8	501	GTP	C4'-C5'-O5'-PA
128	X0	501	GTP	C4'-C5'-O5'-PA
128	0M	501	GTP	O4'-C4'-C5'-O5'
128	1D	501	GTP	O4'-C4'-C5'-O5'
128	Dm	501	GTP	C3'-C4'-C5'-O5'
128	Fp	501	GTP	O4'-C4'-C5'-O5'
128	G1	501	GTP	C3'-C4'-C5'-O5'
129	1M	501	GDP	O4'-C4'-C5'-O5'
129	FK	501	GDP	O4'-C4'-C5'-O5'
129	KH	502	GDP	O4'-C4'-C5'-O5'
128	0O	501	GTP	PB-O3B-PG-O1G
128	2C	501	GTP	PB-O3B-PG-O1G
128	2I	501	GTP	PB-O3B-PG-O1G
128	8H	501	GTP	PB-O3B-PG-O1G
128	CR	502	GTP	PB-O3B-PG-O1G
128	Ci	501	GTP	PB-O3B-PG-O1G
128	FG	501	GTP	PB-O3B-PG-O1G
128	Fe	501	GTP	PB-O3B-PG-O1G
128	Fg	501	GTP	PB-O3B-PG-O1G
128	Fl	501	GTP	PB-O3B-PG-O1G
128	G0	501	GTP	PB-O3B-PG-O1G
128	GB	501	GTP	PB-O3B-PG-O1G
128	L2	501	GTP	PB-O3B-PG-O1G
128	L6	501	GTP	PB-O3B-PG-O1G
128	LJ	501	GTP	PB-O3B-PG-O1G
128	Mt	501	GTP	PB-O3B-PG-O1G
128	NF	501	GTP	PB-O3B-PG-O1G
128	O2	501	GTP	PB-O3B-PG-O1G
128	R0	501	GTP	PB-O3B-PG-O1G
128	T4	501	GTP	PB-O3B-PG-O1G
129	0G	501	GDP	PA-O3A-PB-O1B
129	1C	502	GDP	PA-O3A-PB-O1B
129	1G	502	GDP	PA-O3A-PB-O1B
129	1K	501	GDP	PA-O3A-PB-O1B
129	2S	502	GDP	PA-O3A-PB-O1B
129	2W	502	GDP	PA-O3A-PB-O1B
129	Bh	502	GDP	PA-O3A-PB-O1B
129	Bj	501	GDP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
129	Bs	501	GDP	PA-O3A-PB-O1B
129	Bu	502	GDP	PA-O3A-PB-O1B
129	Bw	503	GDP	PA-O3A-PB-O1B
129	CV	501	GDP	PA-O3A-PB-O1B
129	Ci	502	GDP	PA-O3A-PB-O1B
129	Ct	502	GDP	PA-O3A-PB-O1B
129	D6	501	GDP	PA-O3A-PB-O1B
129	DG	502	GDP	PA-O3A-PB-O1B
129	Dk	502	GDP	PA-O3A-PB-O1B
129	Dv	501	GDP	PA-O3A-PB-O1B
129	EJ	501	GDP	PA-O3A-PB-O1B
129	FI	502	GDP	PA-O3A-PB-O1B
129	FV	502	GDP	PA-O3A-PB-O1B
129	FX	501	GDP	PA-O3A-PB-O1B
129	Fe	502	GDP	PA-O3A-PB-O1B
129	Fi	502	GDP	PA-O3A-PB-O1B
129	Fr	502	GDP	PA-O3A-PB-O1B
129	H4	501	GDP	PA-O3A-PB-O1B
129	IK	502	GDP	PA-O3A-PB-O1B
129	JU	503	GDP	PA-O3A-PB-O1B
129	Jl	503	GDP	PA-O3A-PB-O1B
129	Ju	501	GDP	PA-O3A-PB-O1B
129	Jy	502	GDP	PA-O3A-PB-O1B
129	K4	502	GDP	PA-O3A-PB-O1B
129	Kv	503	GDP	PA-O3A-PB-O1B
129	Kx	502	GDP	PA-O3A-PB-O1B
129	L0	501	GDP	PA-O3A-PB-O1B
129	L2	502	GDP	PA-O3A-PB-O1B
129	L4	502	GDP	PA-O3A-PB-O1B
129	M2	502	GDP	PA-O3A-PB-O1B
129	Mg	502	GDP	PA-O3A-PB-O1B
129	NH	502	GDP	PA-O3A-PB-O1B
129	NJ	502	GDP	PA-O3A-PB-O1B
129	O0	502	GDP	PA-O3A-PB-O1B
129	P8	502	GDP	PA-O3A-PB-O1B
129	Q4	502	GDP	PA-O3A-PB-O1B
129	R6	502	GDP	PA-O3A-PB-O1B
129	W6	501	GDP	PA-O3A-PB-O1B
128	0Y	501	GTP	PB-O3B-PG-O3G
128	2I	501	GTP	PB-O3B-PG-O3G
128	2L	501	GTP	PB-O3B-PG-O3G
128	8I	501	GTP	PB-O3B-PG-O2G

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Mol	Chain	Res	Type	Atoms
128	8I	501	GTP	PB-O3B-PG-O3G
128	8M	501	GTP	PB-O3B-PG-O2G
128	8M	501	GTP	PB-O3B-PG-O3G
128	Ag	501	GTP	PB-O3B-PG-O2G
128	Ag	501	GTP	PB-O3B-PG-O3G
128	Bu	501	GTP	PB-O3B-PG-O3G
128	CR	502	GTP	PB-O3B-PG-O3G
128	Ci	501	GTP	PB-O3B-PG-O3G
128	Cz	501	GTP	PB-O3B-PG-O3G
128	Dk	501	GTP	PB-O3B-PG-O3G
128	Du	501	GTP	PB-O3B-PG-O2G
128	ER	501	GTP	PB-O3B-PG-O2G
128	ER	501	GTP	PB-O3B-PG-O3G
128	G0	501	GTP	PB-O3B-PG-O3G
128	IW	501	GTP	PB-O3B-PG-O3G
128	Jw	501	GTP	PB-O3B-PG-O3G
128	KY	501	GTP	PB-O3B-PG-O3G
128	M6	501	GTP	PB-O3B-PG-O3G
128	MH	501	GTP	PB-O3B-PG-O2G
128	N8	501	GTP	PB-O3B-PG-O3G
128	NF	501	GTP	PB-O3B-PG-O3G
128	O2	501	GTP	PB-O3B-PG-O3G
128	U7	501	GTP	PB-O3B-PG-O2G
128	X7	501	GTP	PB-O3B-PG-O2G
128	X7	501	GTP	PB-O3B-PG-O3G
128	Z6	501	GTP	PB-O3B-PG-O3G
129	0C	502	GDP	PA-O3A-PB-O2B
129	0G	501	GDP	PA-O3A-PB-O2B
129	0I	503	GDP	PA-O3A-PB-O2B
129	0M	502	GDP	PA-O3A-PB-O2B
129	0Q	503	GDP	PA-O3A-PB-O2B
129	0Y	502	GDP	PA-O3A-PB-O2B
129	1C	502	GDP	PA-O3A-PB-O2B
129	1G	502	GDP	PA-O3A-PB-O2B
129	1S	502	GDP	PA-O3A-PB-O2B
129	1W	502	GDP	PA-O3A-PB-O2B
129	2A	502	GDP	PA-O3A-PB-O2B
129	2C	502	GDP	PA-O3A-PB-O2B
129	2E	502	GDP	PA-O3A-PB-O2B
129	2K	502	GDP	PA-O3A-PB-O2B
129	2S	502	GDP	PA-O3A-PB-O2B
129	2W	502	GDP	PA-O3A-PB-O2B

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Mol	Chain	Res	Type	Atoms
129	3C	502	GDP	PA-O3A-PB-O2B
129	8N	501	GDP	PA-O3A-PB-O2B
129	A3	501	GDP	PA-O3A-PB-O2B
129	A5	501	GDP	PA-O3A-PB-O2B
129	A9	502	GDP	PA-O3A-PB-O2B
129	AJ	501	GDP	PA-O3A-PB-O2B
129	An	502	GDP	PA-O3A-PB-O2B
129	BM	501	GDP	PA-O3A-PB-O2B
129	BU	502	GDP	PA-O3A-PB-O2B
129	Bw	503	GDP	PA-O3A-PB-O2B
129	CK	502	GDP	PA-O3A-PB-O2B
129	CM	503	GDP	PA-O3A-PB-O2B
129	CR	501	GDP	PA-O3A-PB-O2B
129	CX	502	GDP	PA-O3A-PB-O2B
129	CZ	502	GDP	PA-O3A-PB-O2B
129	D2	501	GDP	PA-O3A-PB-O3B
129	DG	502	GDP	PA-O3A-PB-O2B
129	DX	502	GDP	PA-O3A-PB-O2B
129	Dg	501	GDP	PA-O3A-PB-O2B
129	Dk	502	GDP	PA-O3A-PB-O2B
129	EF	502	GDP	PA-O3A-PB-O2B
129	EL	502	GDP	PA-O3A-PB-O2B
129	F8	502	GDP	PA-O3A-PB-O2B
129	FI	502	GDP	PA-O3A-PB-O2B
129	FK	501	GDP	PA-O3A-PB-O2B
129	FT	503	GDP	PA-O3A-PB-O2B
129	FV	502	GDP	PA-O3A-PB-O2B
129	FX	501	GDP	PA-O3A-PB-O2B
129	Fp	502	GDP	PA-O3A-PB-O2B
129	G0	502	GDP	PA-O3A-PB-O2B
129	H4	501	GDP	PA-O3A-PB-O2B
129	H8	503	GDP	PA-O3A-PB-O3B
129	JY	501	GDP	PA-O3A-PB-O2B
129	Jl	503	GDP	PA-O3A-PB-O2B
129	Jw	502	GDP	PA-O3A-PB-O2B
129	K6	502	GDP	PA-O3A-PB-O2B
129	Kx	502	GDP	PA-O3A-PB-O2B
129	L2	502	GDP	PA-O3A-PB-O2B
129	Lj	501	GDP	PA-O3A-PB-O2B
129	Mt	502	GDP	PA-O3A-PB-O2B
129	NS	502	GDP	PA-O3A-PB-O2B
129	O0	502	GDP	PA-O3A-PB-O2B

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Mol	Chain	Res	Type	Atoms
129	T4	502	GDP	PA-O3A-PB-O2B
128	C8	501	GTP	C4'-C5'-O5'-PA
128	MV	501	GTP	C4'-C5'-O5'-PA
128	Y4	501	GTP	C4'-C5'-O5'-PA
128	2G	501	GTP	O4'-C4'-C5'-O5'
128	3S	501	GTP	C3'-C4'-C5'-O5'
128	BH	501	GTP	C3'-C4'-C5'-O5'
128	D7	501	GTP	C3'-C4'-C5'-O5'
128	E6	501	GTP	O4'-C4'-C5'-O5'
128	E8	501	GTP	C3'-C4'-C5'-O5'
128	EU	501	GTP	O4'-C4'-C5'-O5'
128	Ee	501	GTP	C3'-C4'-C5'-O5'
129	0I	503	GDP	O4'-C4'-C5'-O5'
129	0Q	503	GDP	O4'-C4'-C5'-O5'
129	By	503	GDP	C3'-C4'-C5'-O5'
129	EF	502	GDP	C3'-C4'-C5'-O5'
129	ES	501	GDP	C3'-C4'-C5'-O5'
129	Fi	502	GDP	C3'-C4'-C5'-O5'
129	G2	501	GDP	O4'-C4'-C5'-O5'
129	IK	502	GDP	C3'-C4'-C5'-O5'
129	N0	502	GDP	O4'-C4'-C5'-O5'
129	NH	502	GDP	C3'-C4'-C5'-O5'
128	A2	501	GTP	PA-O3A-PB-O3B
128	0I	502	GTP	O4'-C4'-C5'-O5'
128	Ag	501	GTP	C3'-C4'-C5'-O5'
128	Aj	501	GTP	O4'-C4'-C5'-O5'
128	Dk	501	GTP	C3'-C4'-C5'-O5'
128	T4	501	GTP	C3'-C4'-C5'-O5'
128	Z0	501	GTP	C3'-C4'-C5'-O5'
129	1G	502	GDP	O4'-C4'-C5'-O5'
129	1S	502	GDP	C3'-C4'-C5'-O5'
129	A1	502	GDP	C3'-C4'-C5'-O5'
129	Cm	502	GDP	C3'-C4'-C5'-O5'
129	D6	501	GDP	C3'-C4'-C5'-O5'
129	Fr	502	GDP	C3'-C4'-C5'-O5'
129	H6	502	GDP	O4'-C4'-C5'-O5'
129	Jj	502	GDP	C3'-C4'-C5'-O5'
129	Kj	503	GDP	O4'-C4'-C5'-O5'
129	Lu	502	GDP	C3'-C4'-C5'-O5'
129	MT	502	GDP	C3'-C4'-C5'-O5'
128	BG	501	GTP	C4'-C5'-O5'-PA
128	0F	501	GTP	PA-O3A-PB-O1B

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Mol	Chain	Res	Type	Atoms
128	0M	501	GTP	PA-O3A-PB-O2B
128	0V	501	GTP	PB-O3A-PA-O1A
128	1G	501	GTP	PG-O3B-PB-O2B
128	1Q	501	GTP	PA-O3A-PB-O2B
128	1S	501	GTP	PA-O3A-PB-O2B
128	1T	501	GTP	PA-O3A-PB-O1B
128	1W	501	GTP	PG-O3B-PB-O2B
128	2I	501	GTP	PB-O3A-PA-O1A
128	2S	501	GTP	PB-O3A-PA-O2A
128	2U	501	GTP	PA-O3A-PB-O1B
128	2Y	501	GTP	PB-O3A-PA-O1A
128	3A	501	GTP	PA-O3A-PB-O2B
128	3C	501	GTP	PA-O3A-PB-O2B
128	3M	501	GTP	PB-O3A-PA-O2A
128	3P	501	GTP	PA-O3A-PB-O2B
128	3S	501	GTP	PB-O3A-PA-O2A
128	8H	501	GTP	PB-O3A-PA-O2A
128	8I	501	GTP	PA-O3A-PB-O1B
128	8M	501	GTP	PA-O3A-PB-O2B
128	A2	501	GTP	PG-O3B-PB-O1B
128	A2	501	GTP	PA-O3A-PB-O1B
128	Ag	501	GTP	PA-O3A-PB-O1B
128	Ak	501	GTP	PB-O3A-PA-O1A
128	An	501	GTP	PA-O3A-PB-O2B
128	Ao	501	GTP	PG-O3B-PB-O2B
128	At	501	GTP	PB-O3A-PA-O1A
128	Av	501	GTP	PA-O3A-PB-O1B
128	Az	501	GTP	PB-O3A-PA-O2A
128	B2	501	GTP	PA-O3A-PB-O2B
128	Bb	501	GTP	PB-O3A-PA-O1A
128	Bh	501	GTP	PA-O3A-PB-O1B
128	Bm	501	GTP	PB-O3A-PA-O1A
128	Bo	501	GTP	PA-O3A-PB-O1B
128	Bu	501	GTP	PB-O3A-PA-O2A
128	Bw	501	GTP	PA-O3A-PB-O2B
128	Bz	501	GTP	PA-O3A-PB-O2B
128	C5	501	GTP	PB-O3A-PA-O1A
128	CI	501	GTP	PA-O3A-PB-O1B
128	CU	501	GTP	PB-O3A-PA-O2A
128	Ce	502	GTP	PA-O3A-PB-O2B
128	Cj	501	GTP	PA-O3A-PB-O2B
128	Cr	502	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
128	DH	501	GTP	PA-O3A-PB-O2B
128	DK	501	GTP	PA-O3A-PB-O1B
128	DR	501	GTP	PB-O3A-PA-O2A
128	DT	501	GTP	PA-O3A-PB-O1B
128	DX	501	GTP	PA-O3A-PB-O1B
128	DZ	501	GTP	PA-O3A-PB-O1B
128	Df	501	GTP	PA-O3A-PB-O2B
128	Di	501	GTP	PA-O3A-PB-O1B
128	Dk	501	GTP	PA-O3A-PB-O1B
128	Dm	501	GTP	PA-O3A-PB-O1B
128	Dr	501	GTP	PA-O3A-PB-O2B
128	Dt	501	GTP	PB-O3A-PA-O1A
128	Dw	501	GTP	PA-O3A-PB-O2B
128	E4	501	GTP	PB-O3A-PA-O2A
128	E6	501	GTP	PA-O3A-PB-O2B
128	EH	501	GTP	PA-O3A-PB-O2B
128	EI	501	GTP	PA-O3A-PB-O1B
128	EI	501	GTP	PA-O3A-PB-O2B
128	EV	501	GTP	PB-O3A-PA-O1A
128	El	501	GTP	PG-O3B-PB-O2B
128	Es	501	GTP	PB-O3A-PA-O1A
128	F0	501	GTP	PB-O3A-PA-O2A
128	F3	501	GTP	PA-O3A-PB-O2B
128	FE	501	GTP	PB-O3A-PA-O1A
128	FG	501	GTP	PB-O3A-PA-O2A
128	Fk	501	GTP	PG-O3B-PB-O2B
128	Fp	501	GTP	PA-O3A-PB-O1B
128	G3	502	GTP	PB-O3A-PA-O2A
128	G7	501	GTP	PA-O3A-PB-O2B
128	GD	501	GTP	PB-O3A-PA-O2A
128	GF	501	GTP	PA-O3A-PB-O1B
128	H2	501	GTP	PB-O3A-PA-O2A
128	IL	501	GTP	PG-O3B-PB-O2B
128	IL	501	GTP	PA-O3A-PB-O1B
128	IX	501	GTP	PB-O3A-PA-O1A
128	J2	501	GTP	PB-O3A-PA-O2A
128	J4	501	GTP	PA-O3A-PB-O2B
128	JI	502	GTP	PA-O3A-PB-O2B
128	JX	501	GTP	PA-O3A-PB-O2B
128	Jl	502	GTP	PG-O3B-PB-O2B
128	K0	501	GTP	PB-O3A-PA-O1A
128	K4	501	GTP	PB-O3A-PA-O2A

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Mol	Chain	Res	Type	Atoms
128	K6	501	GTP	PA-O3A-PB-O1B
128	KI	501	GTP	PB-O3A-PA-O1A
128	KW	501	GTP	PA-O3A-PB-O1B
128	Kv	501	GTP	PB-O3A-PA-O1A
128	Kx	501	GTP	PA-O3A-PB-O1B
128	LH	501	GTP	PA-O3A-PB-O2B
128	LU	501	GTP	PA-O3A-PB-O2B
128	LX	501	GTP	PB-O3A-PA-O1A
128	Li	501	GTP	PA-O3A-PB-O1B
128	M2	501	GTP	PB-O3A-PA-O2A
128	MH	501	GTP	PB-O3A-PA-O2A
128	Mt	501	GTP	PA-O3A-PB-O2B
128	N0	501	GTP	PB-O3A-PA-O1A
128	N1	501	GTP	PB-O3A-PA-O1A
128	N6	501	GTP	PA-O3A-PB-O1B
128	NH	501	GTP	PB-O3A-PA-O2A
128	O8	501	GTP	PA-O3A-PB-O1B
128	P4	501	GTP	PA-O3A-PB-O1B
128	P8	501	GTP	PA-O3A-PB-O1B
128	P9	501	GTP	PA-O3A-PB-O1B
128	Q2	501	GTP	PA-O3A-PB-O1B
128	R6	501	GTP	PA-O3A-PB-O1B
128	R8	502	GTP	PB-O3A-PA-O1A
128	S0	501	GTP	PA-O3A-PB-O1B
128	S5	501	GTP	PA-O3A-PB-O1B
128	S8	501	GTP	PB-O3A-PA-O1A
128	T4	501	GTP	PA-O3A-PB-O1B
128	U2	501	GTP	PB-O3A-PA-O1A
128	U6	501	GTP	PB-O3A-PA-O1A
128	U9	501	GTP	PB-O3A-PA-O1A
128	X6	501	GTP	PA-O3A-PB-O1B
128	Y0	501	GTP	PA-O3A-PB-O1B
128	Y6	501	GTP	PA-O3A-PB-O1B
129	0G	501	GDP	PB-O3A-PA-O2A
128	Bf	502	GTP	O4'-C4'-C5'-O5'
128	Bo	501	GTP	C3'-C4'-C5'-O5'
128	DE	501	GTP	C3'-C4'-C5'-O5'
129	EY	502	GDP	C3'-C4'-C5'-O5'
129	FV	502	GDP	C3'-C4'-C5'-O5'
129	GD	502	GDP	C3'-C4'-C5'-O5'
128	Ee	501	GTP	C4'-C5'-O5'-PA
128	IL	501	GTP	PA-O3A-PB-O3B

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Mol	Chain	Res	Type	Atoms
128	2L	501	GTP	PB-O3B-PG-O1G
128	CM	502	GTP	PB-O3B-PG-O1G
128	DR	501	GTP	PB-O3B-PG-O1G
128	Du	501	GTP	PB-O3B-PG-O1G
128	E8	501	GTP	PB-O3B-PG-O1G
128	EY	501	GTP	PB-O3B-PG-O1G
128	Ee	501	GTP	PB-O3B-PG-O1G
128	Fi	501	GTP	PB-O3B-PG-O1G
129	1E	501	GDP	PA-O3A-PB-O1B
129	1S	502	GDP	PA-O3A-PB-O1B
129	1U	501	GDP	PA-O3A-PB-O1B
129	2A	502	GDP	PA-O3A-PB-O1B
129	2I	502	GDP	PA-O3A-PB-O1B
129	2Q	502	GDP	PA-O3A-PB-O1B
129	8N	501	GDP	PA-O3A-PB-O1B
129	AJ	501	GDP	PA-O3A-PB-O1B
129	An	502	GDP	PA-O3A-PB-O1B
129	Ap	501	GDP	PA-O3A-PB-O1B
129	BO	501	GDP	PA-O3A-PB-O1B
129	By	503	GDP	PA-O3A-PB-O1B
129	CK	502	GDP	PA-O3A-PB-O1B
129	CX	502	GDP	PA-O3A-PB-O1B
129	D8	501	GDP	PA-O3A-PB-O1B
129	Ft	502	GDP	PA-O3A-PB-O1B
129	I0	502	GDP	PA-O3A-PB-O1B
129	Il	501	GDP	PA-O3A-PB-O1B
129	J8	503	GDP	PA-O3A-PB-O1B
129	K6	502	GDP	PA-O3A-PB-O1B
129	Lj	501	GDP	PA-O3A-PB-O1B
129	Mv	501	GDP	PA-O3A-PB-O1B
129	NS	502	GDP	PA-O3A-PB-O1B
129	W2	502	GDP	PA-O3A-PB-O1B
128	3C	501	GTP	O4'-C4'-C5'-O5'
128	BG	501	GTP	C3'-C4'-C5'-O5'
128	Iy	501	GTP	O4'-C4'-C5'-O5'
128	JU	501	GTP	O4'-C4'-C5'-O5'
129	1C	502	GDP	O4'-C4'-C5'-O5'
129	3G	502	GDP	O4'-C4'-C5'-O5'
129	BS	501	GDP	C3'-C4'-C5'-O5'
129	CV	501	GDP	C3'-C4'-C5'-O5'
129	D4	501	GDP	O4'-C4'-C5'-O5'
129	Dr	502	GDP	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
129	EL	502	GDP	O4'-C4'-C5'-O5'
129	FT	503	GDP	O4'-C4'-C5'-O5'
128	X4	501	GTP	C4'-C5'-O5'-PA
128	Bf	502	GTP	PA-O3A-PB-O3B
128	0I	502	GTP	PA-O3A-PB-O1B
128	0Y	501	GTP	PB-O3A-PA-O2A
128	1C	501	GTP	PG-O3B-PB-O2B
128	1G	501	GTP	PA-O3A-PB-O1B
128	1L	501	GTP	PB-O3A-PA-O2A
128	2A	501	GTP	PA-O3A-PB-O2B
128	2E	501	GTP	PB-O3A-PA-O2A
128	2G	501	GTP	PB-O3A-PA-O2A
128	2W	501	GTP	PA-O3A-PB-O1B
128	3C	501	GTP	PA-O3A-PB-O1B
128	3K	501	GTP	PA-O3A-PB-O1B
128	8L	501	GTP	PG-O3B-PB-O2B
128	AT	501	GTP	PA-O3A-PB-O1B
128	Aj	501	GTP	PG-O3B-PB-O2B
128	Ao	501	GTP	PA-O3A-PB-O1B
128	At	501	GTP	PB-O3A-PA-O2A
128	Az	501	GTP	PB-O3A-PA-O1A
128	B0	501	GTP	PB-O3A-PA-O1A
128	B0	501	GTP	PB-O3A-PA-O2A
128	B2	501	GTP	PA-O3A-PB-O1B
128	B5	501	GTP	PG-O3B-PB-O2B
128	BU	501	GTP	PB-O3A-PA-O2A
128	Bf	502	GTP	PG-O3B-PB-O2B
128	Bf	502	GTP	PA-O3A-PB-O1B
128	Bi	501	GTP	PA-O3A-PB-O1B
128	Bl	501	GTP	PB-O3A-PA-O1A
128	C1	501	GTP	PA-O3A-PB-O2B
128	CG	501	GTP	PA-O3A-PB-O2B
128	CM	502	GTP	PB-O3A-PA-O2A
128	CX	501	GTP	PB-O3A-PA-O2A
128	Ce	502	GTP	PB-O3A-PA-O1A
128	Cg	501	GTP	PB-O3A-PA-O1A
128	Cm	501	GTP	PB-O3A-PA-O2A
128	Cr	502	GTP	PG-O3B-PB-O1B
128	DM	501	GTP	PA-O3A-PB-O1B
128	DV	501	GTP	PG-O3B-PB-O2B
128	ED	501	GTP	PG-O3B-PB-O2B
128	Es	501	GTP	PG-O3B-PB-O2B

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Mol	Chain	Res	Type	Atoms
128	Es	501	GTP	PB-O3A-PA-O2A
128	FJ	501	GTP	PB-O3A-PA-O2A
128	Fc	501	GTP	PG-O3B-PB-O2B
128	Fr	501	GTP	PB-O3A-PA-O2A
128	Fx	501	GTP	PA-O3A-PB-O1B
128	I1	501	GTP	PA-O3A-PB-O2B
128	I5	501	GTP	PA-O3A-PB-O2B
128	IW	501	GTP	PA-O3A-PB-O1B
128	Iy	501	GTP	PA-O3A-PB-O1B
128	JK	501	GTP	PB-O3A-PA-O2A
128	K0	501	GTP	PB-O3A-PA-O2A
128	K9	501	GTP	PA-O3A-PB-O2B
128	L4	501	GTP	PB-O3A-PA-O2A
128	Lu	501	GTP	PA-O3A-PB-O1B
128	M4	501	GTP	PA-O3A-PB-O2B
128	M7	501	GTP	PA-O3A-PB-O1B
128	MT	501	GTP	PG-O3B-PB-O2B
128	MV	501	GTP	PG-O3B-PB-O2B
128	N0	501	GTP	PB-O3A-PA-O2A
128	N1	501	GTP	PB-O3A-PA-O2A
128	NH	501	GTP	PB-O3A-PA-O1A
128	NJ	501	GTP	PG-O3B-PB-O2B
128	NU	501	GTP	PB-O3A-PA-O2A
128	O4	502	GTP	PA-O3A-PB-O1B
128	O6	501	GTP	PG-O3B-PB-O2B
128	Q4	501	GTP	PA-O3A-PB-O1B
128	R0	501	GTP	PB-O3A-PA-O2A
128	R2	502	GTP	PA-O3A-PB-O2B
128	R4	501	GTP	PA-O3A-PB-O1B
128	S2	501	GTP	PA-O3A-PB-O1B
128	T6	501	GTP	PA-O3A-PB-O2B
128	U2	501	GTP	PB-O3A-PA-O2A
128	V8	501	GTP	PB-O3A-PA-O1A
128	1G	501	GTP	O4'-C4'-C5'-O5'
128	KU	501	GTP	O4'-C4'-C5'-O5'
128	Lh	501	GTP	C3'-C4'-C5'-O5'
128	P4	501	GTP	C3'-C4'-C5'-O5'
128	P9	501	GTP	O4'-C4'-C5'-O5'
129	Eu	502	GDP	C3'-C4'-C5'-O5'
129	I2	501	GDP	C3'-C4'-C5'-O5'
129	O0	502	GDP	O4'-C4'-C5'-O5'
129	S6	501	GDP	C3'-C4'-C5'-O5'

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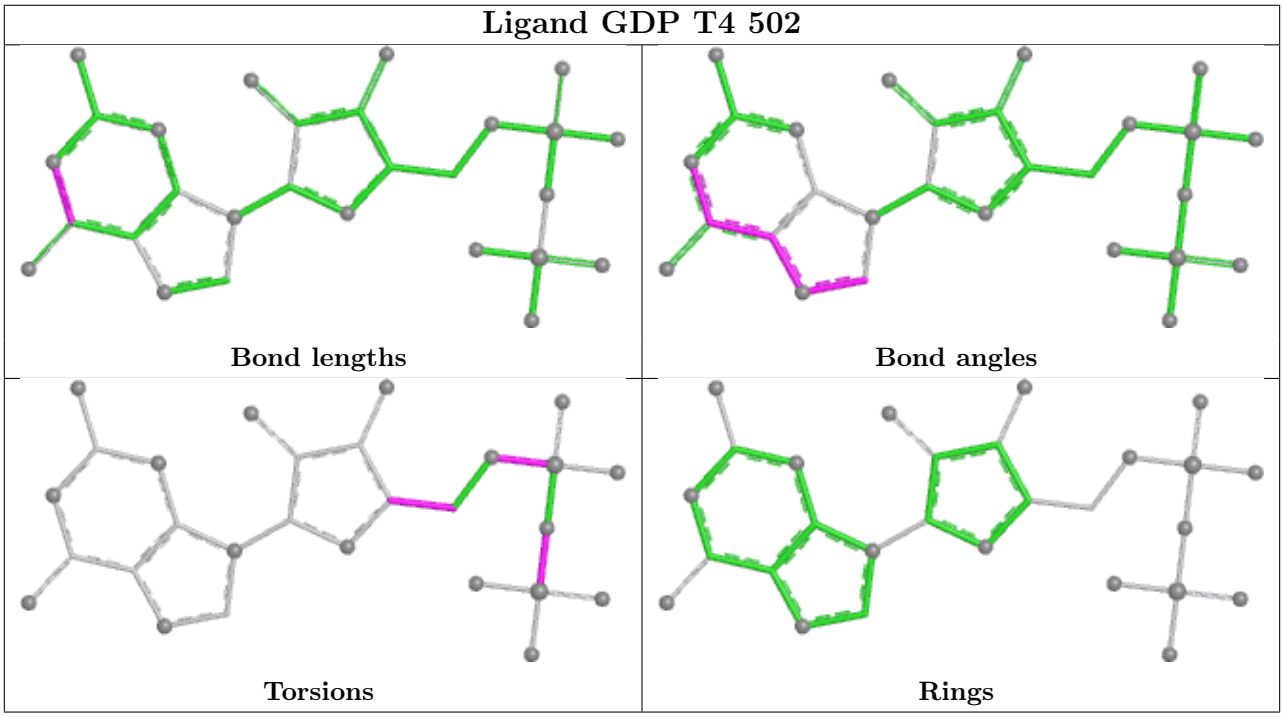
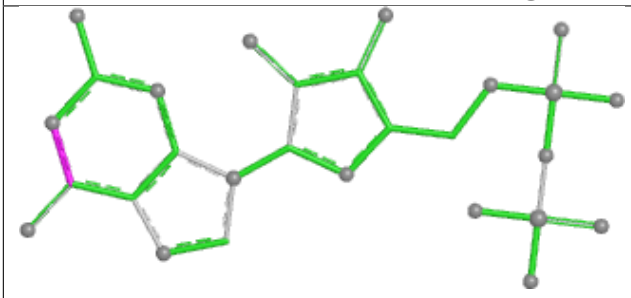
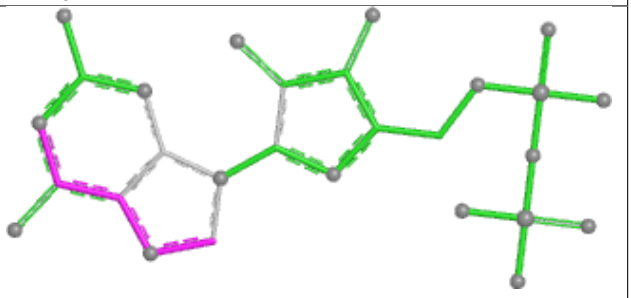
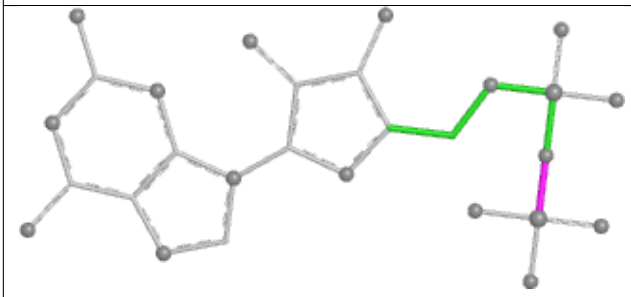
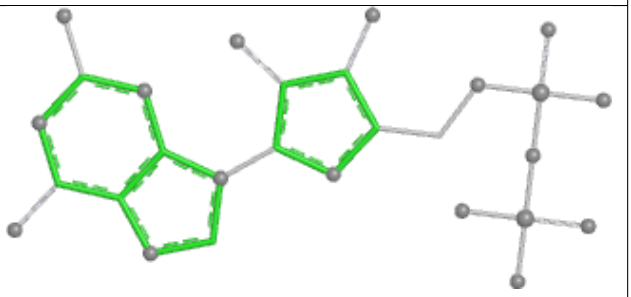
Mol	Chain	Res	Type	Atoms
128	Ao	501	GTP	PA-O3A-PB-O3B

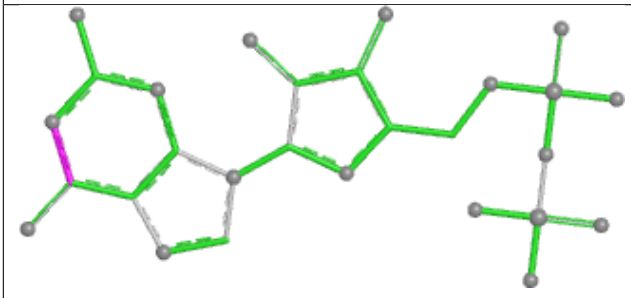
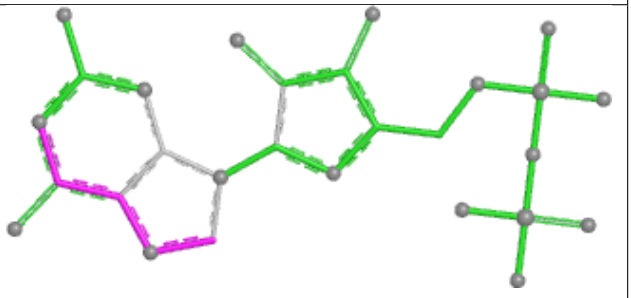
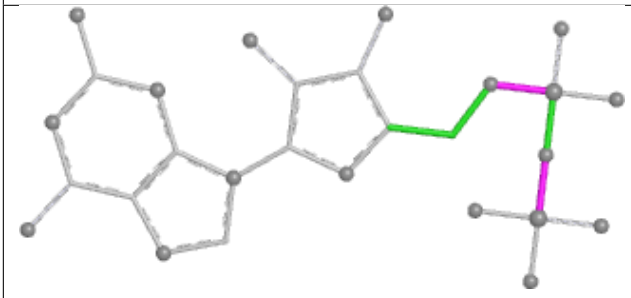
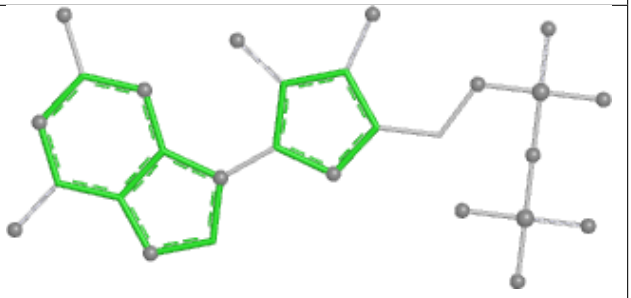
There are no ring outliers.

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 GDP Ij 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP 3C 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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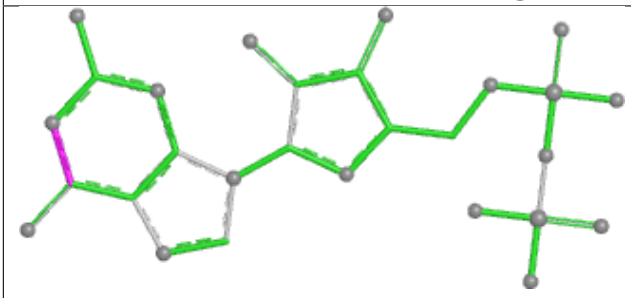
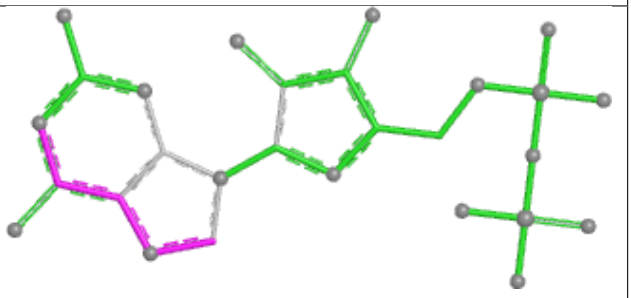
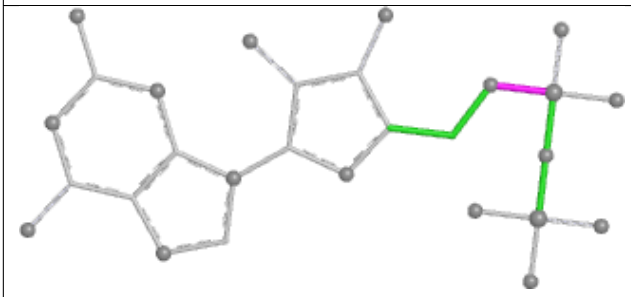
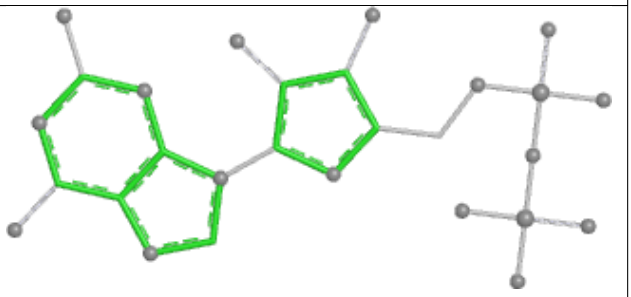
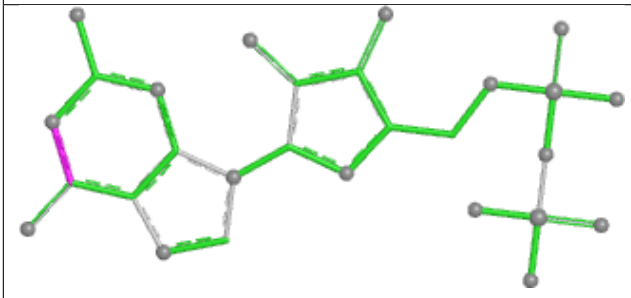
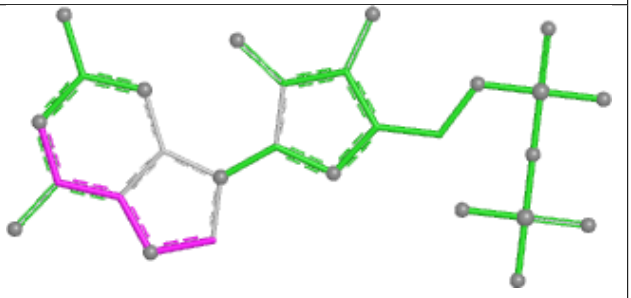
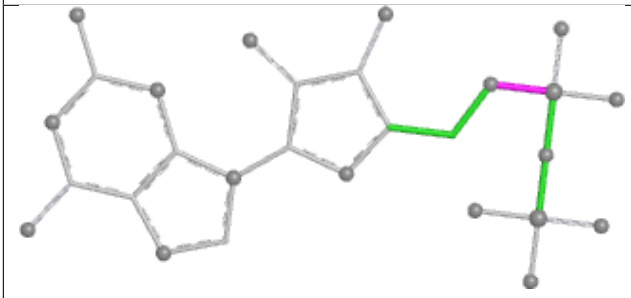
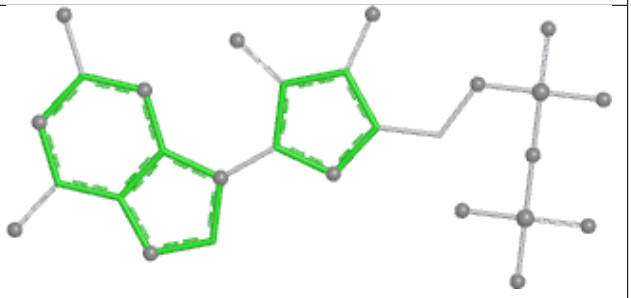
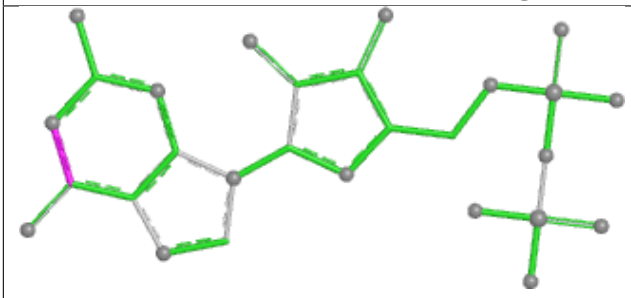
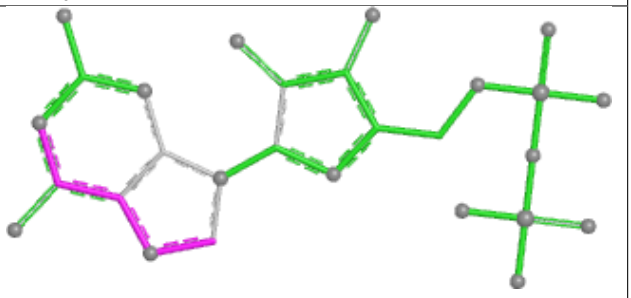
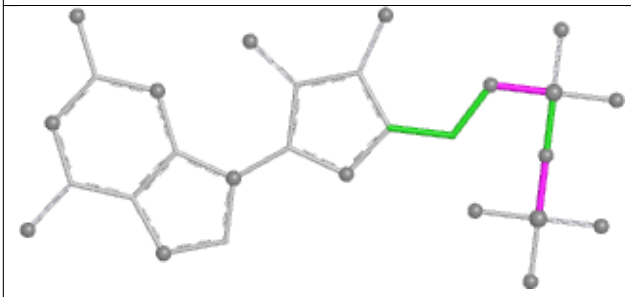
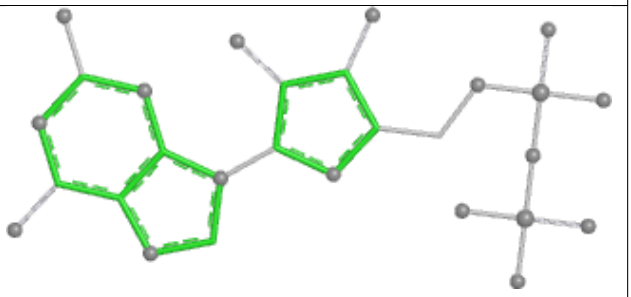
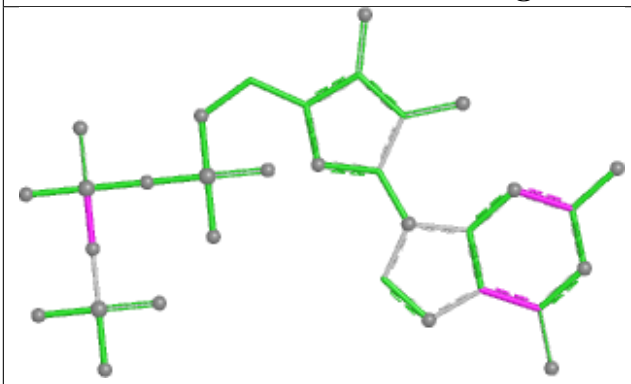
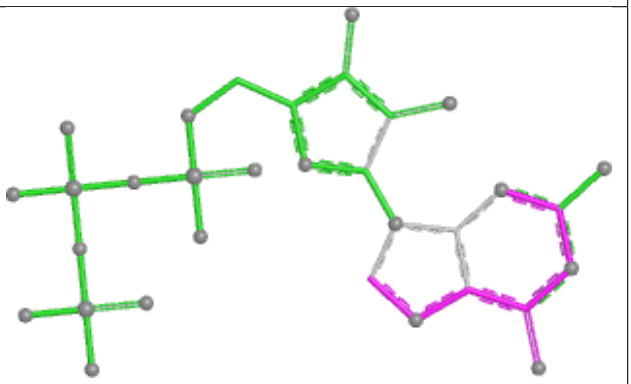
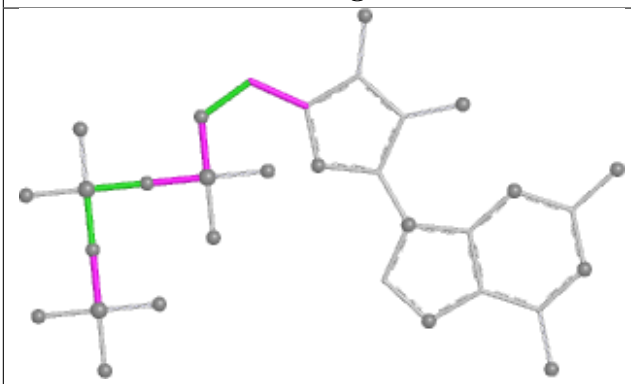
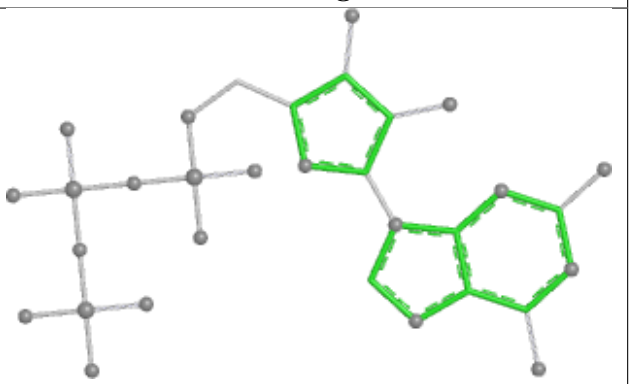
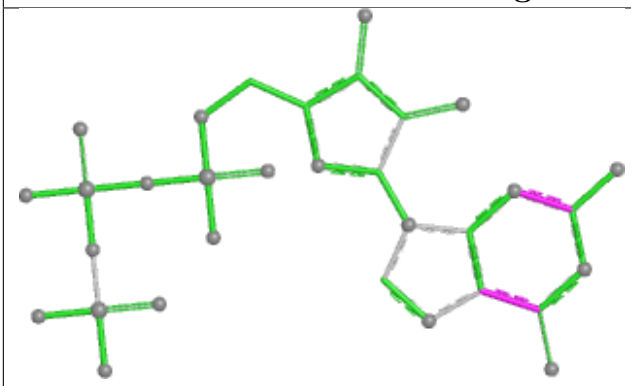
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP B3 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

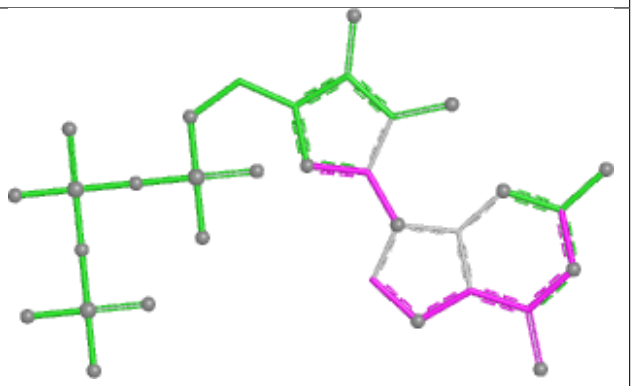
Ligand GDP Jy 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP E8 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

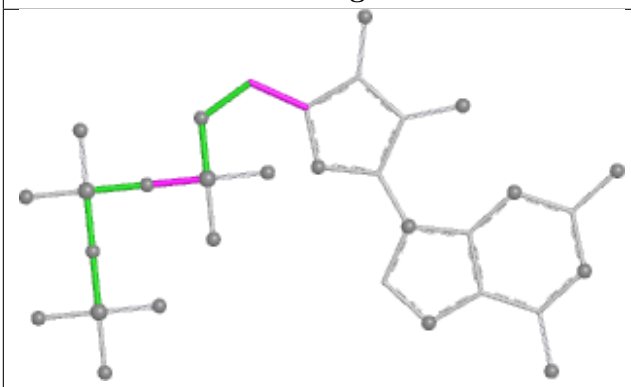
Ligand GTP Ed 501



Bond lengths



Bond angles



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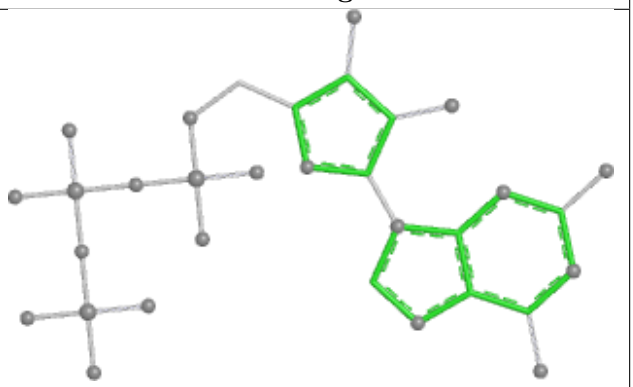
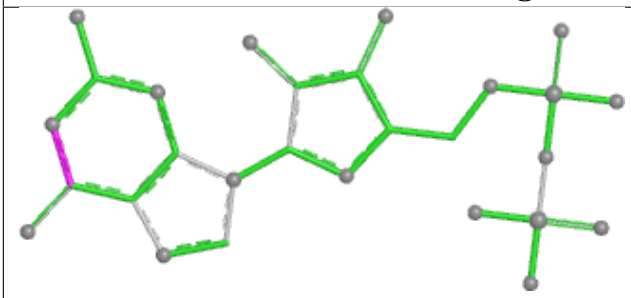


Rings

Ligand GDP JJ 501



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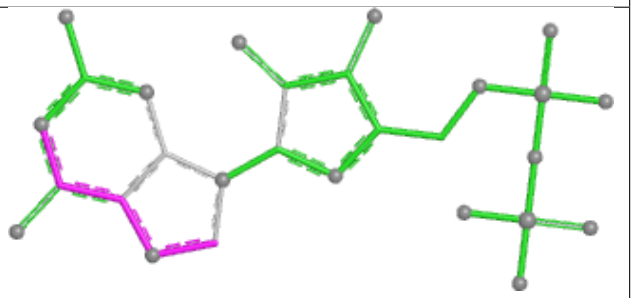

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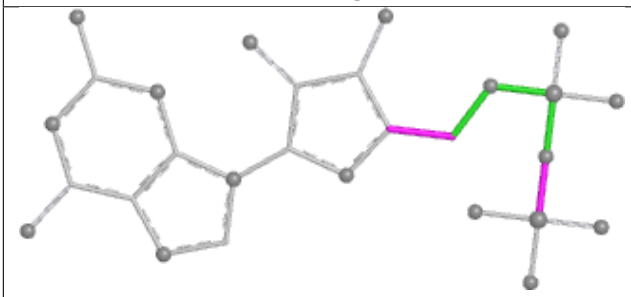

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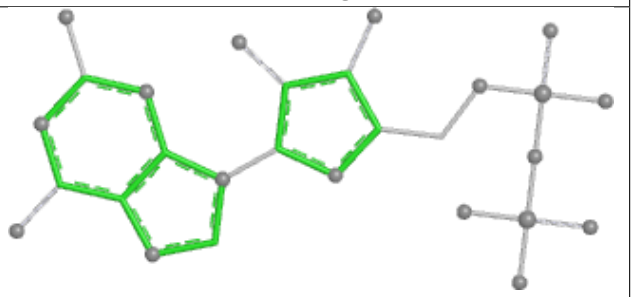
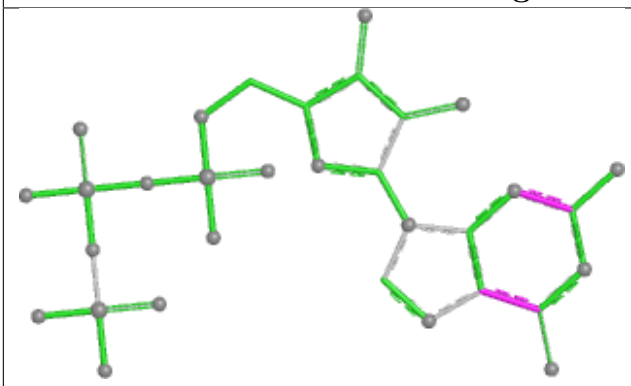
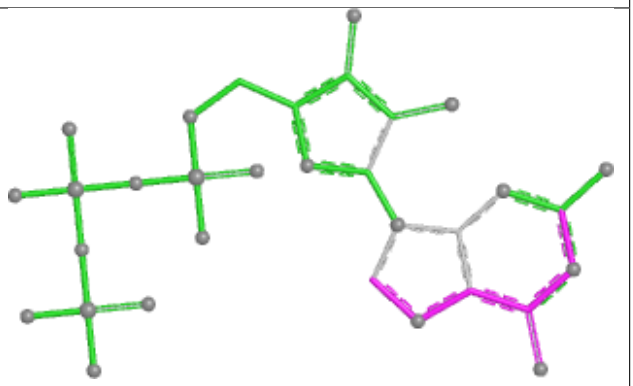


Rings

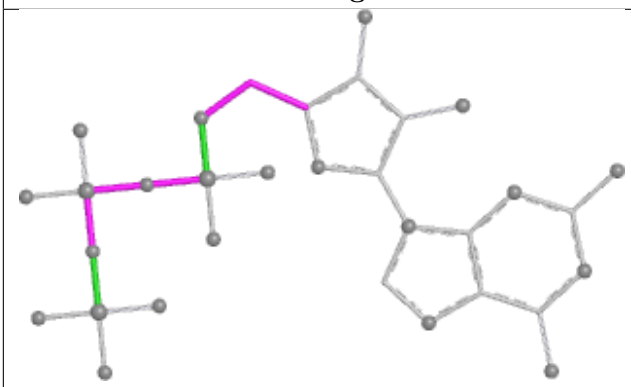
Ligand GTP 1G 501



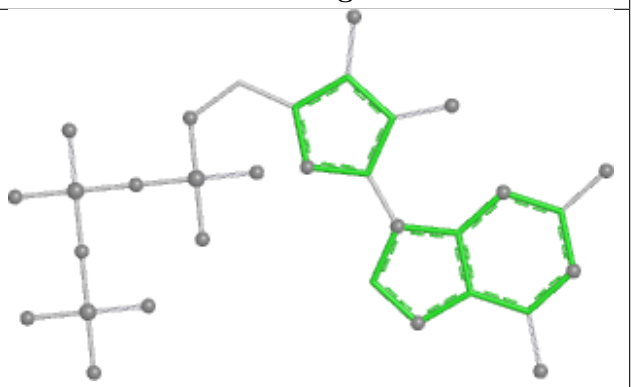
Bond lengths



Bond angles

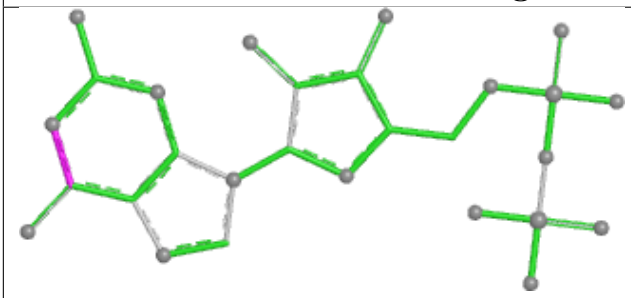


Torsions



Rings

Ligand GDP O0 502



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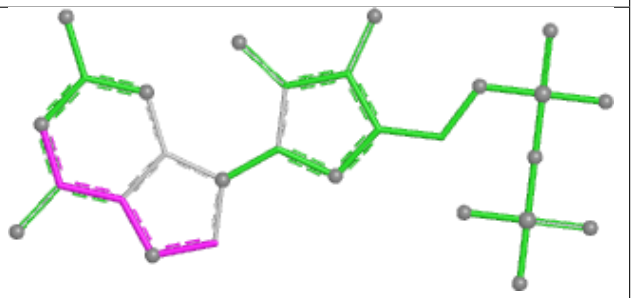

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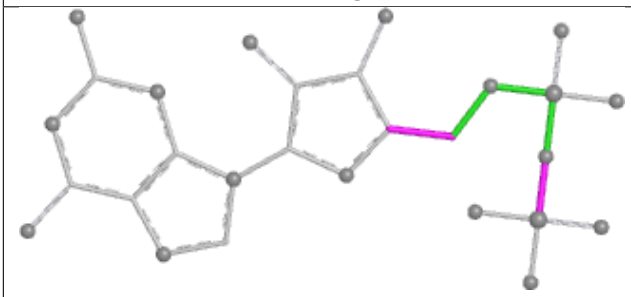

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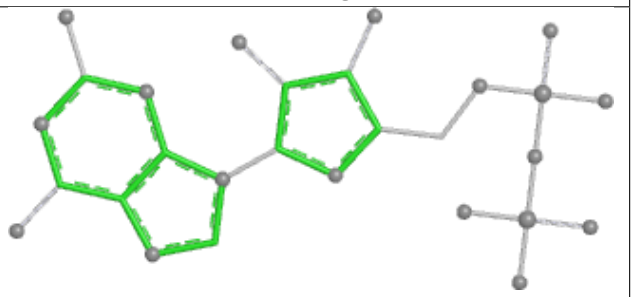
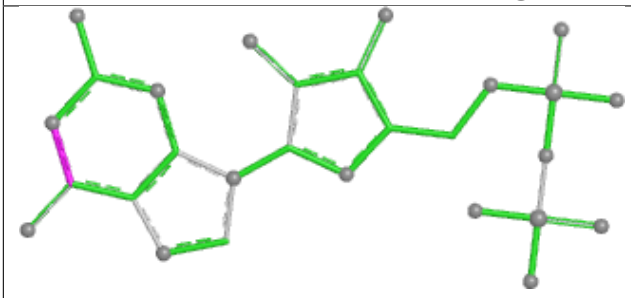
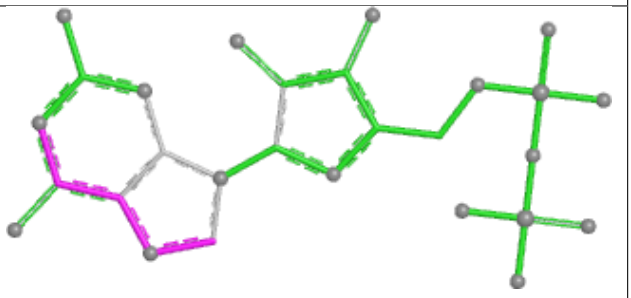
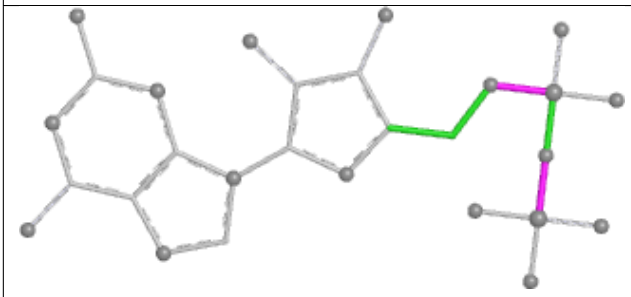
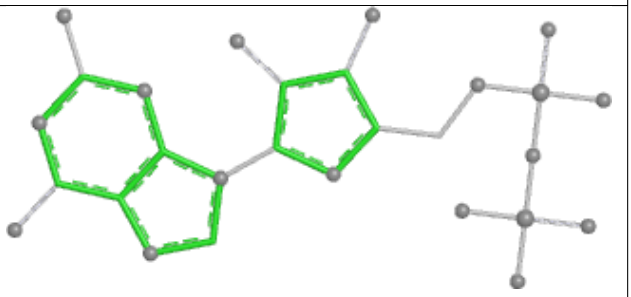


Rings

Ligand GDP 2C 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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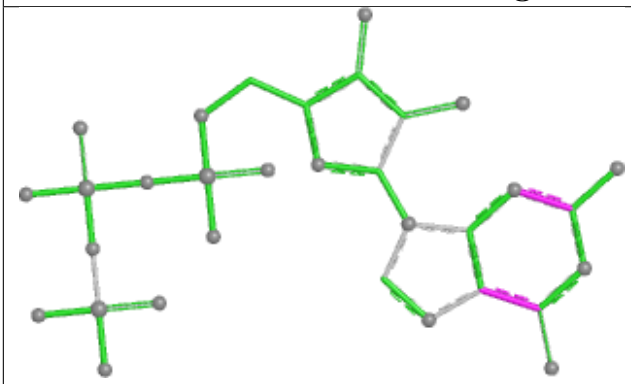
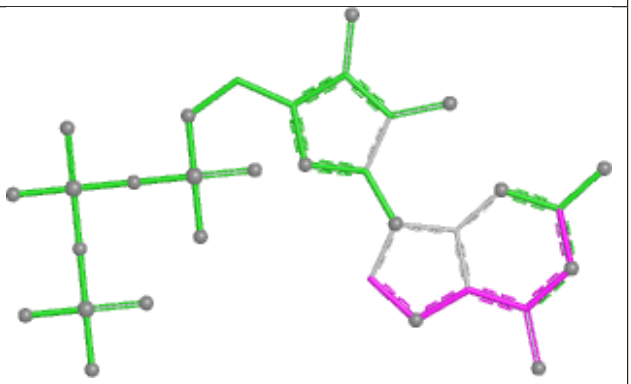
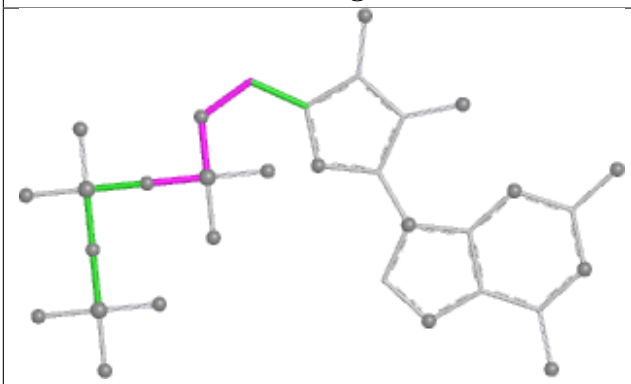
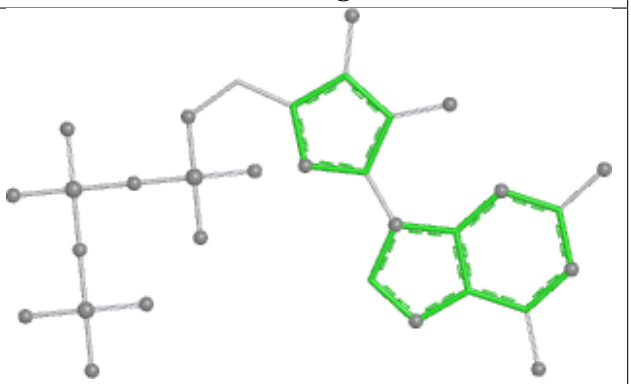
 Bond lengths	 Bond angles
 Torsions	 Rings

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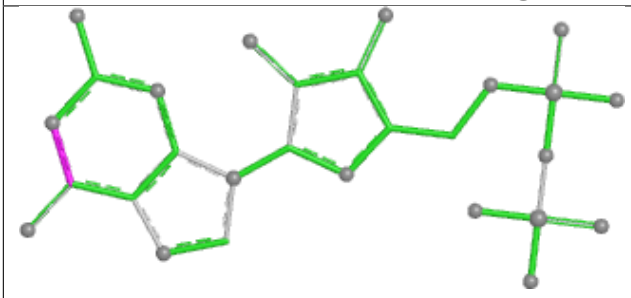
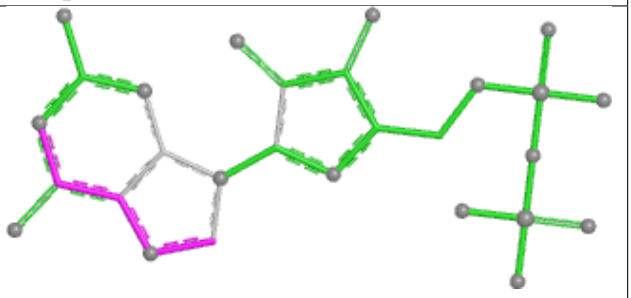
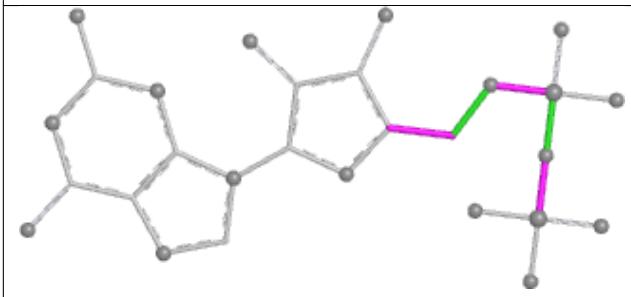
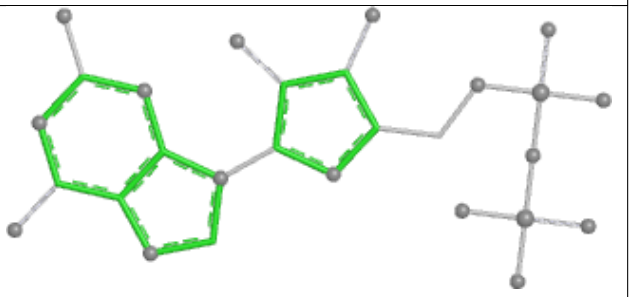
 Bond lengths	 Bond angles
 Torsions	 Rings

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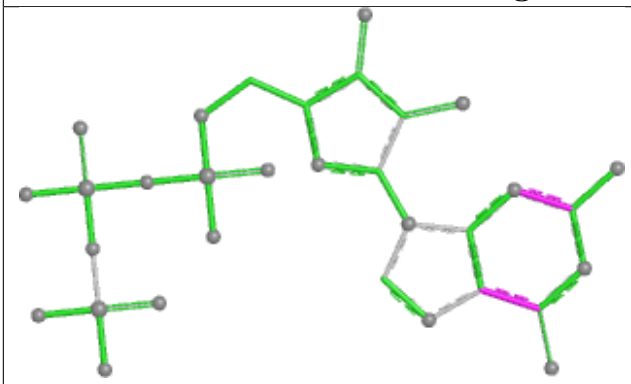
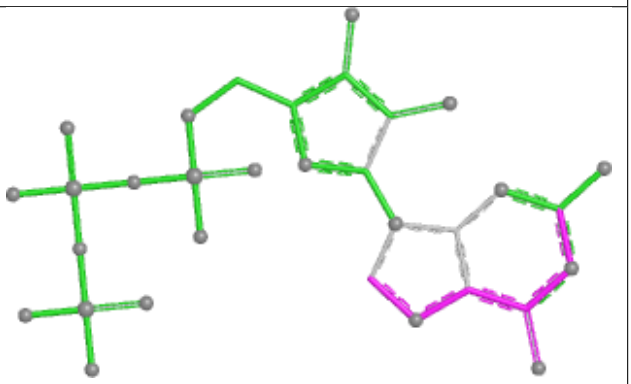
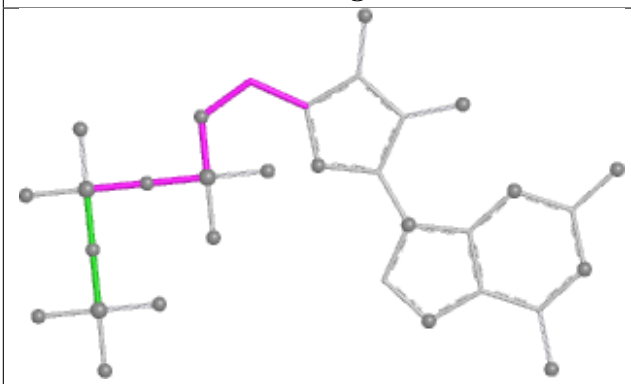
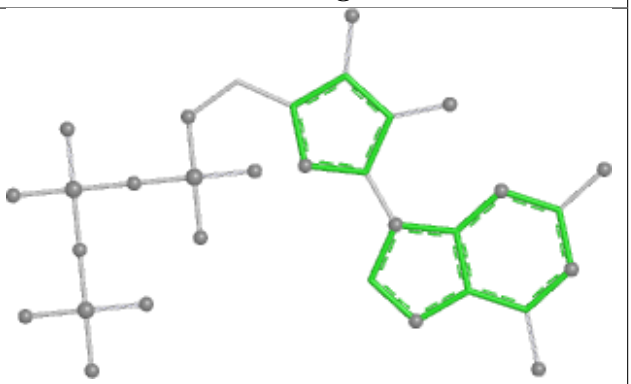
 Bond lengths	 Bond angles
 Torsions	 Rings

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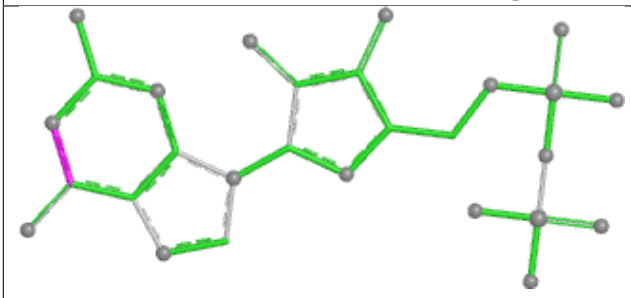
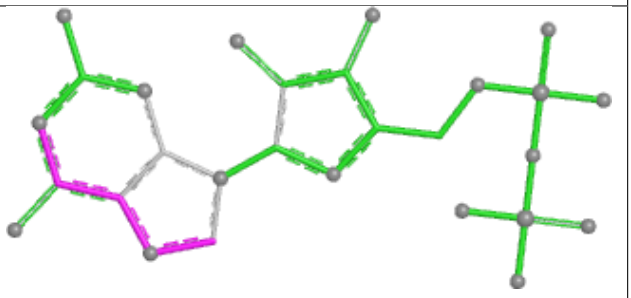
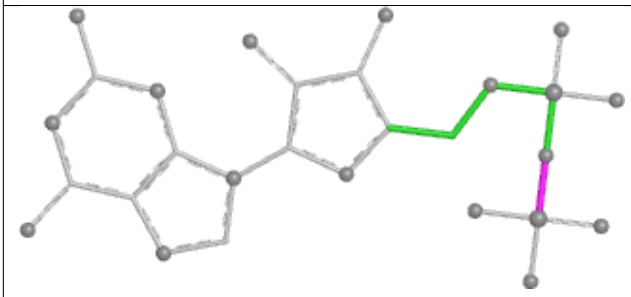
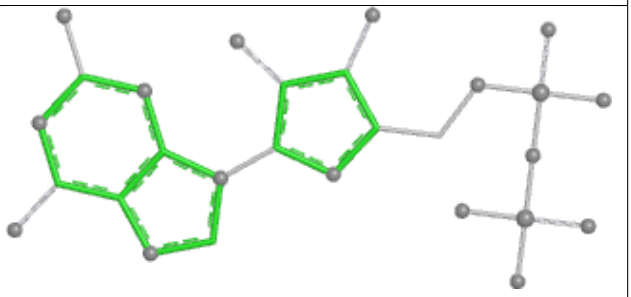
 Bond lengths	 Bond angles
 Torsions	 Rings

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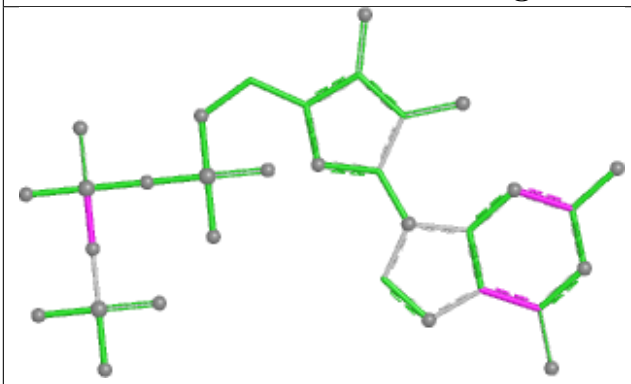
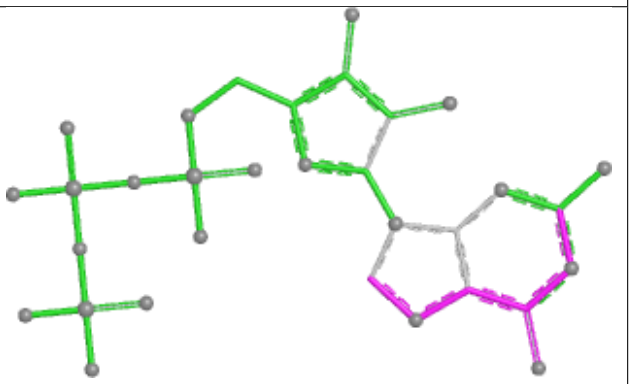
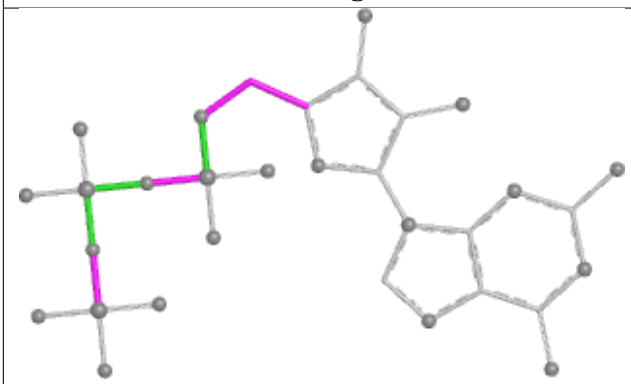
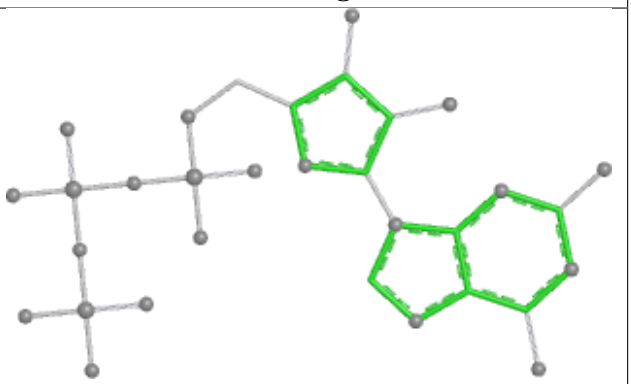
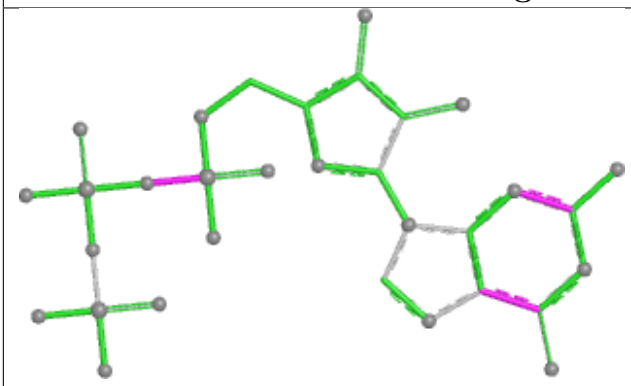
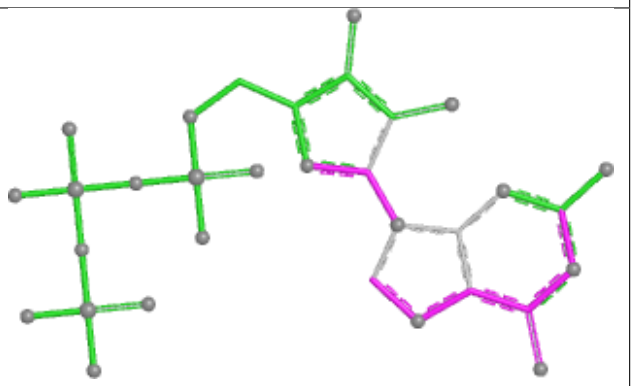
 Bond lengths	 Bond angles
 Torsions	 Rings

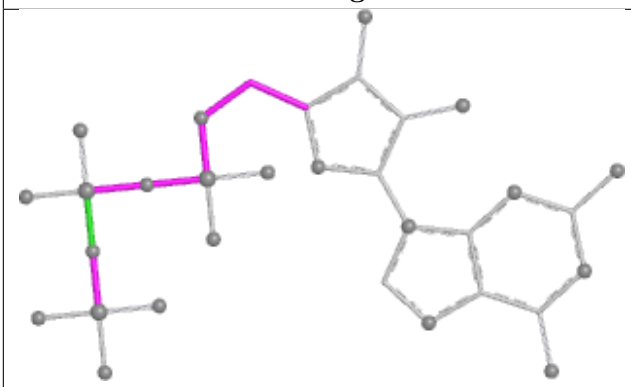
Ligand GTP 3P 501



Bond lengths



Bond angles



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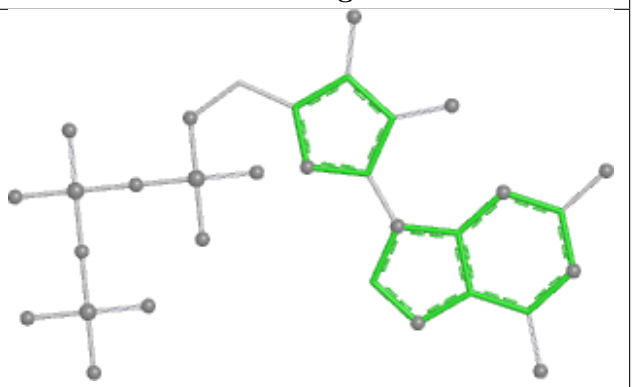
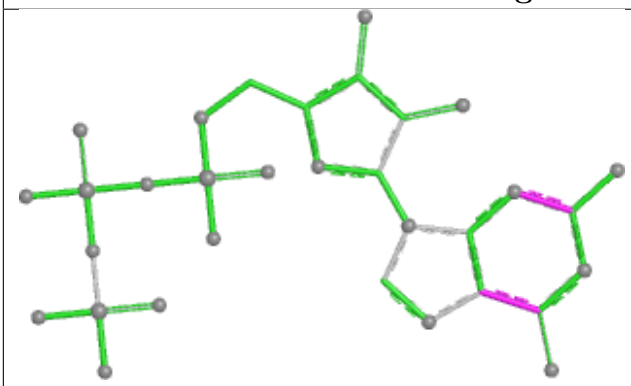


Rings

Ligand GTP Bz 501



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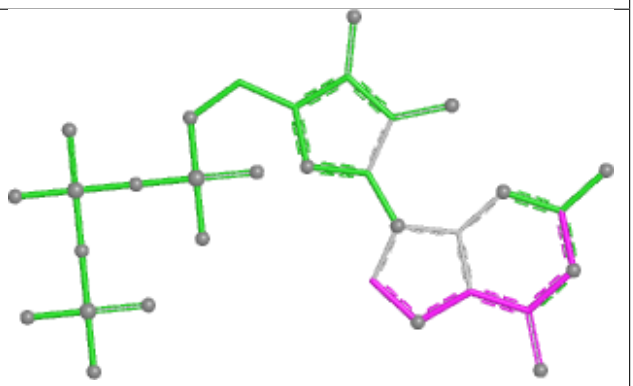
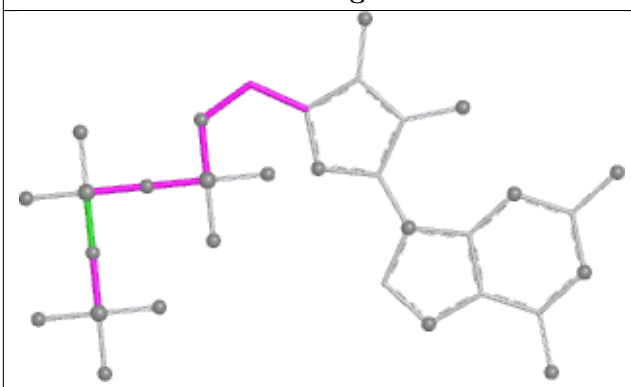


Bond angles



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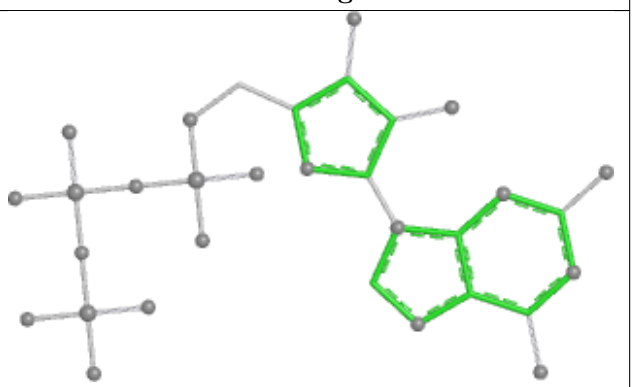

Rings

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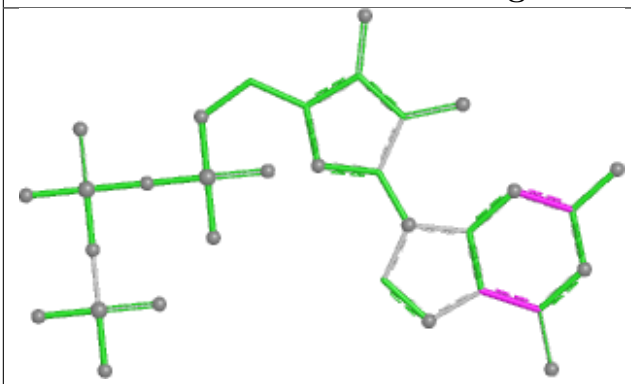

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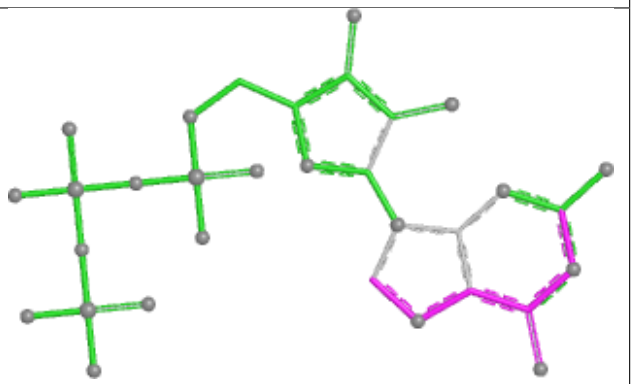

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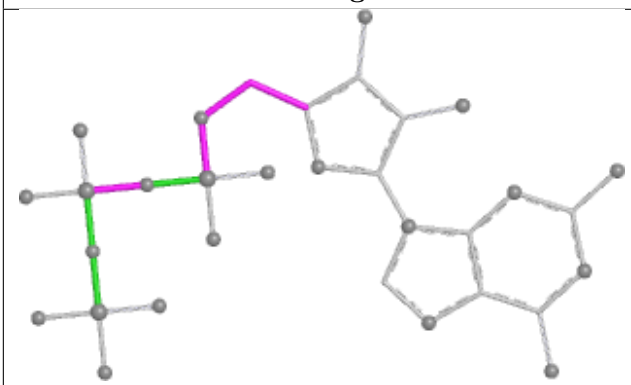

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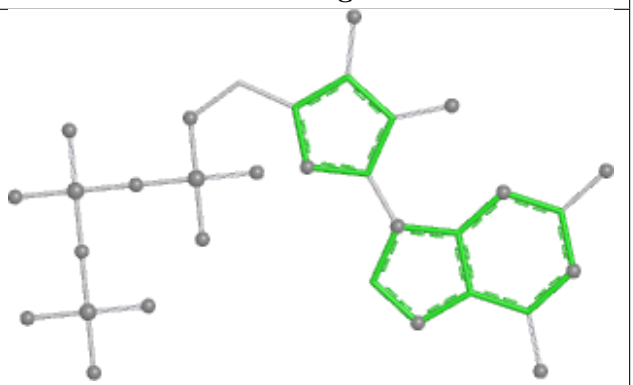
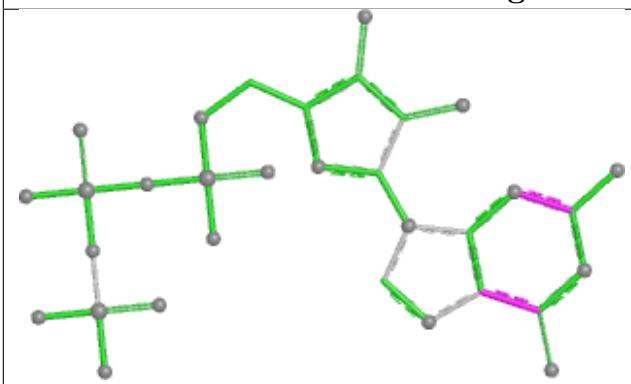


Rings

Ligand GTP Cm 501



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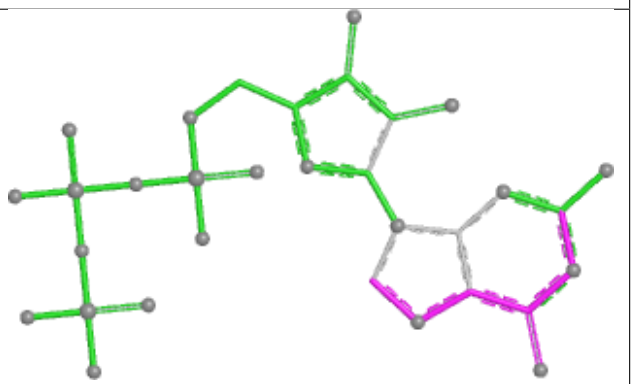
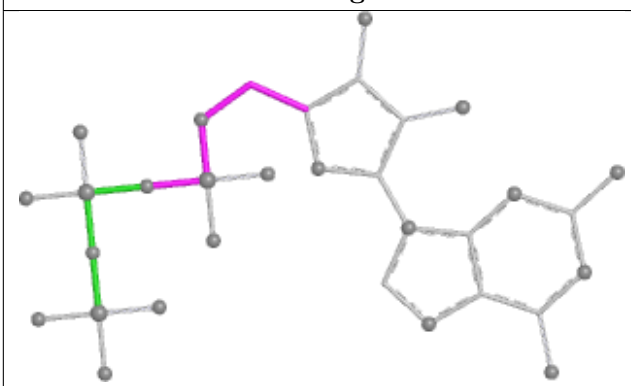


Bond angles



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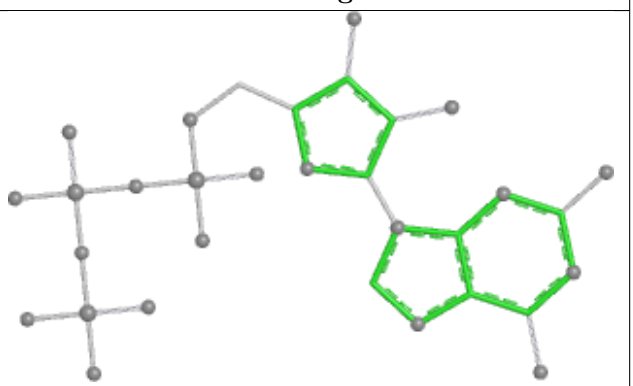

Rings

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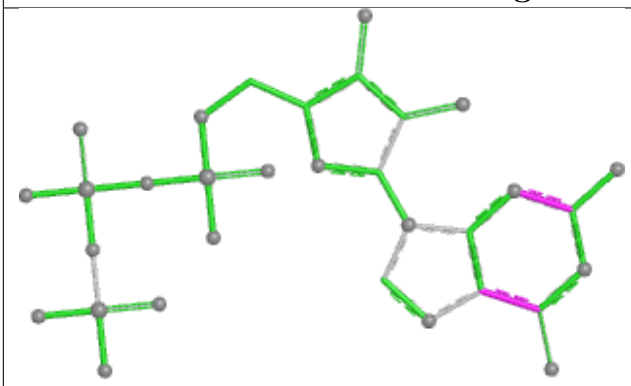

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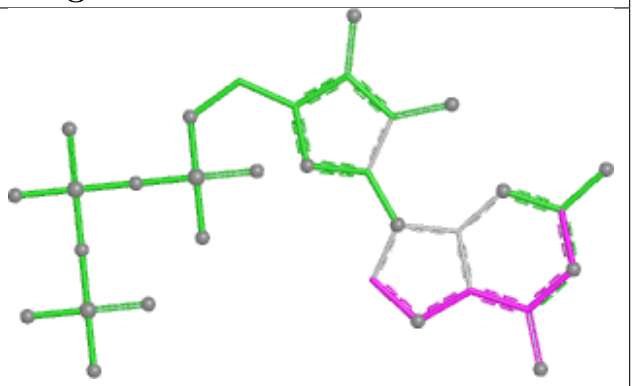

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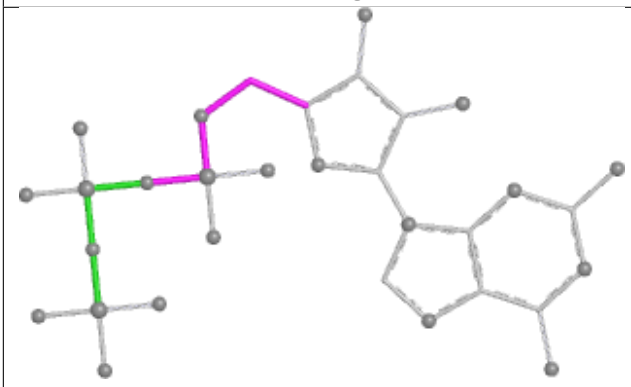

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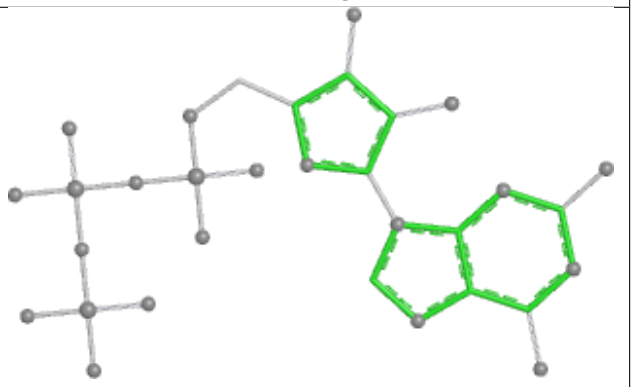

Rings

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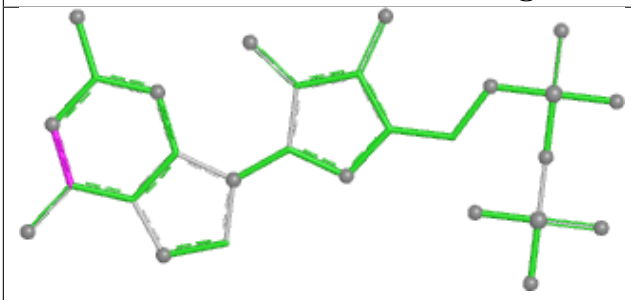

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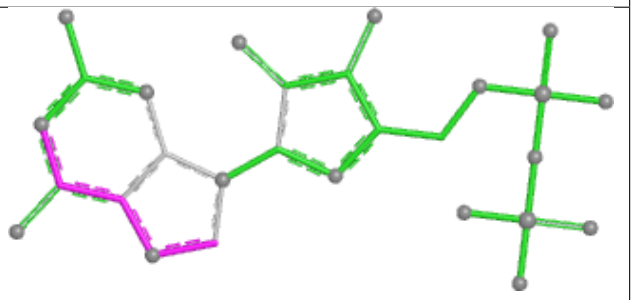
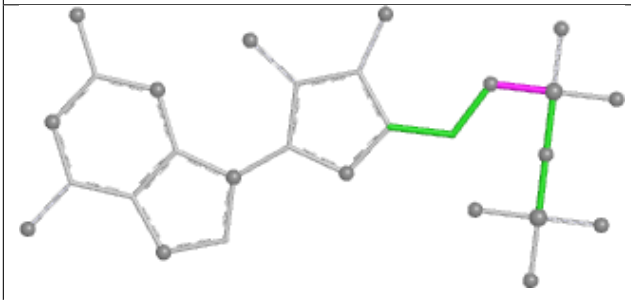


Bond angles



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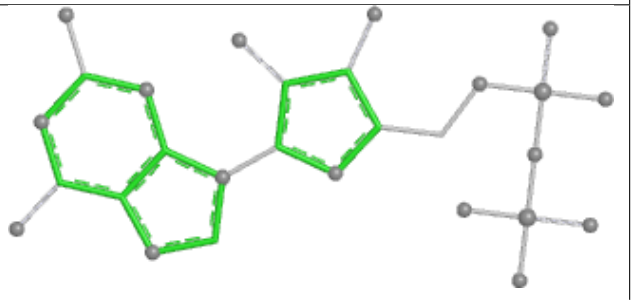
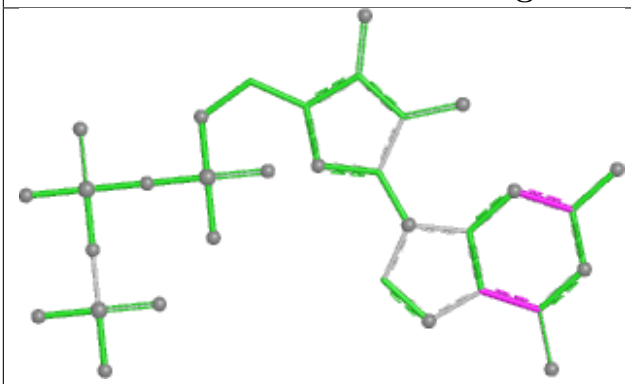


Rings

Ligand GTP L6 501



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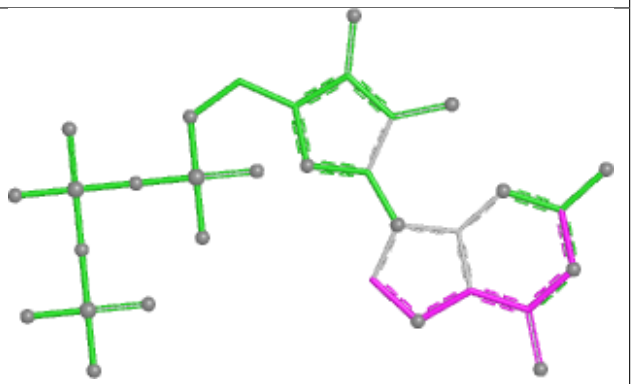
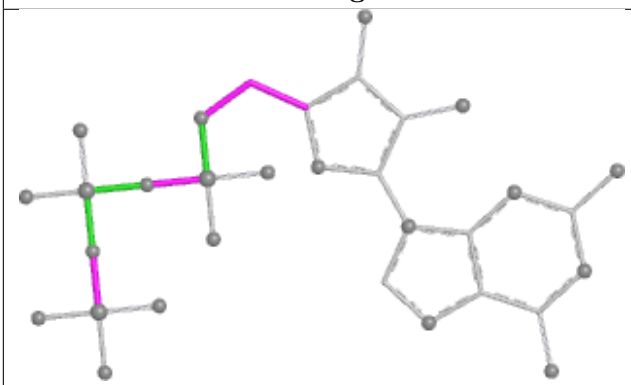
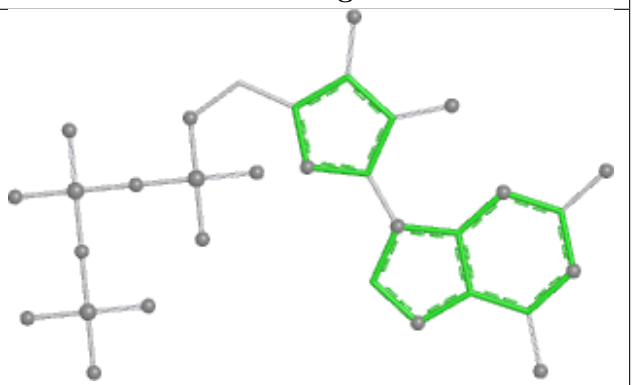


Bond angles

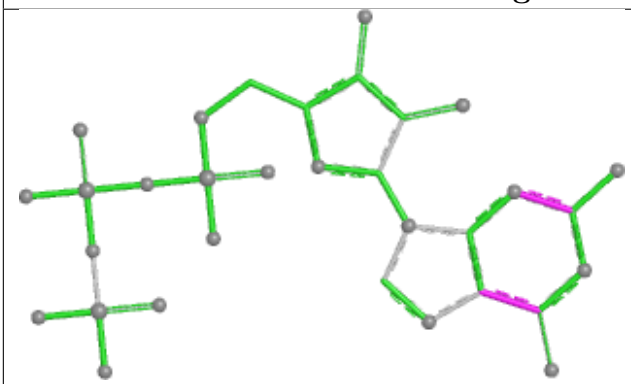


Torsions



Rings

Ligand GTP Bh 501



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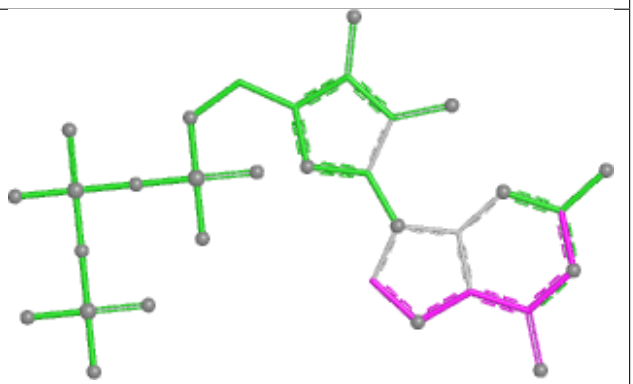

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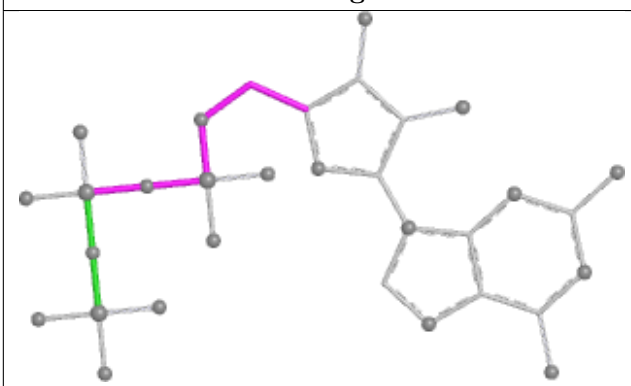

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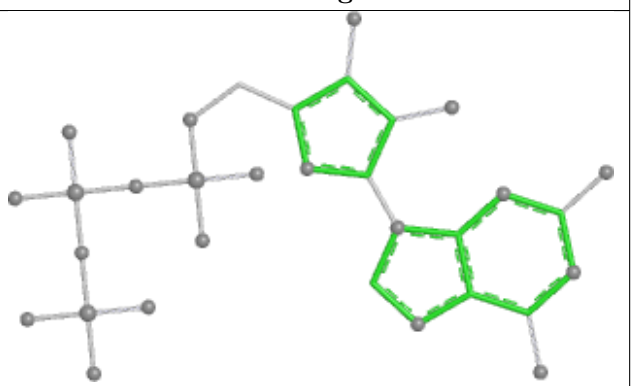
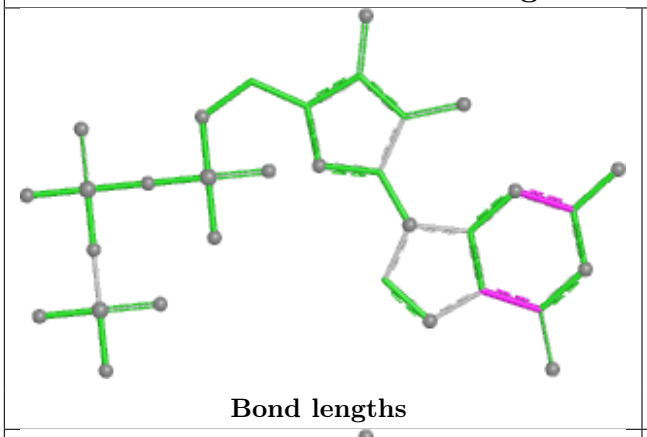


Rings

Ligand GTP Fi 501



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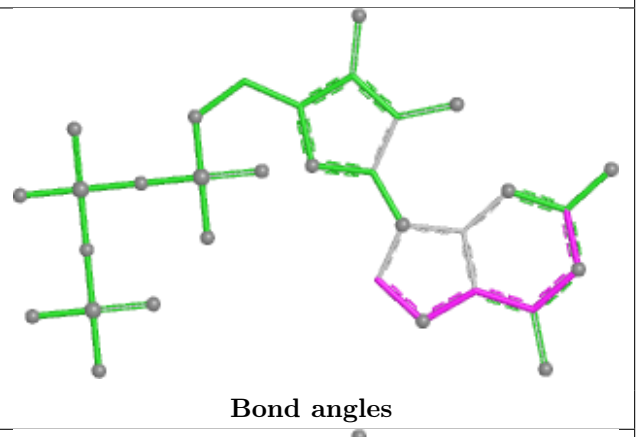

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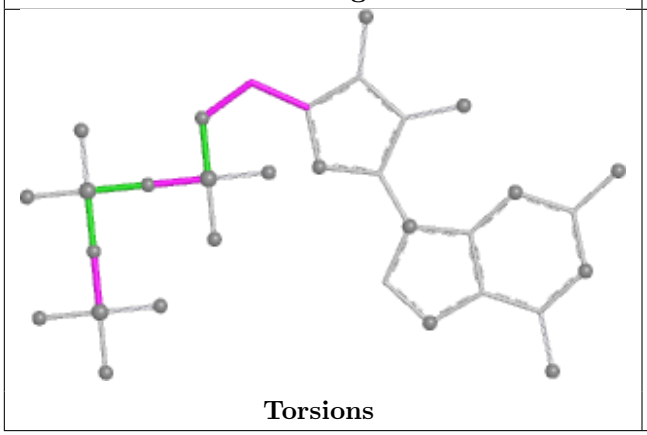

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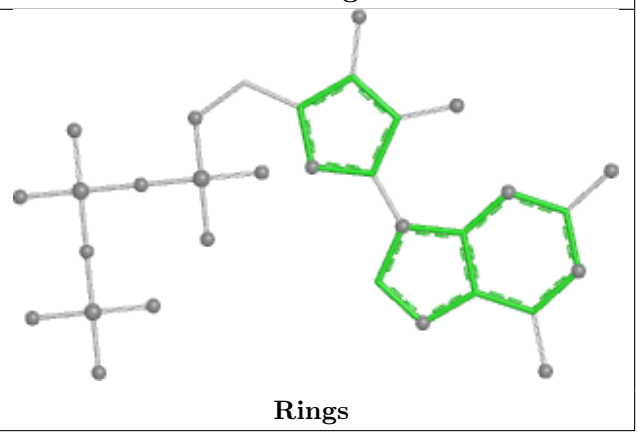
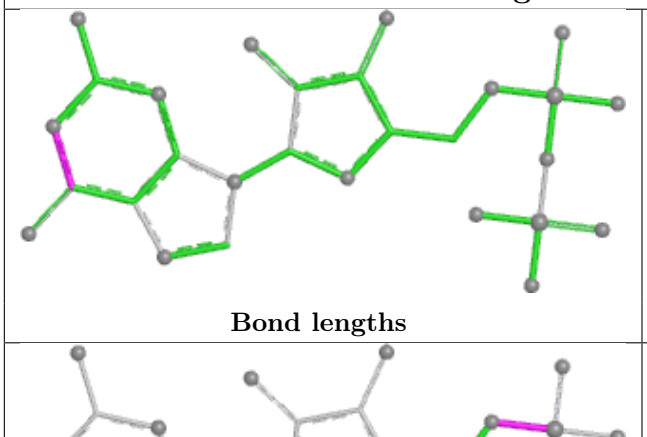


Rings

Ligand GDP C4 501



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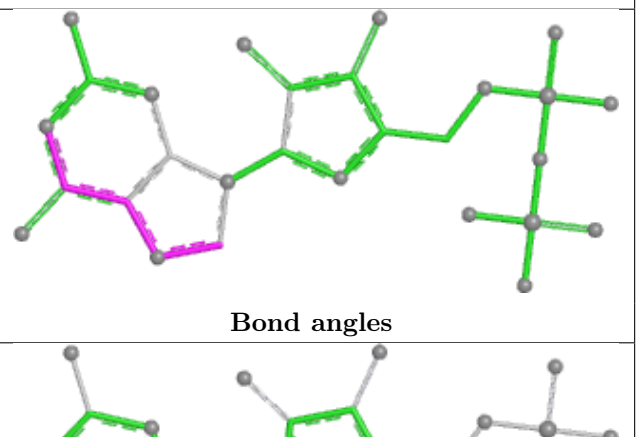

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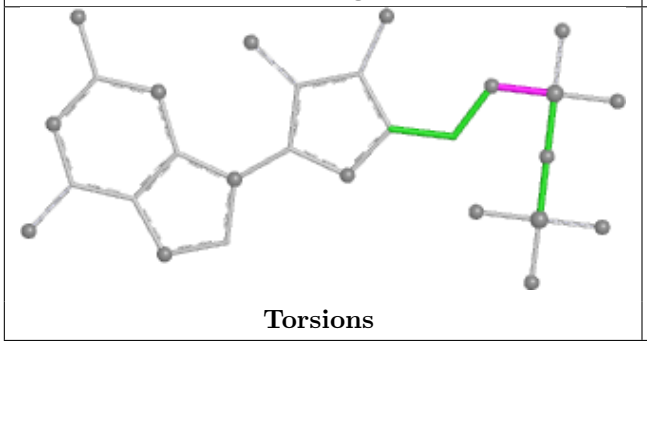

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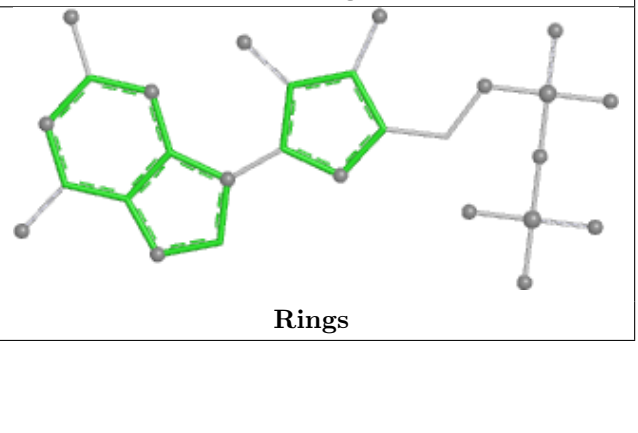
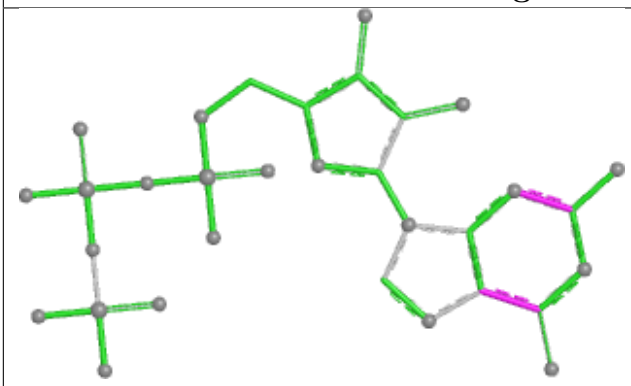


Rings

Ligand GTP Bb 501



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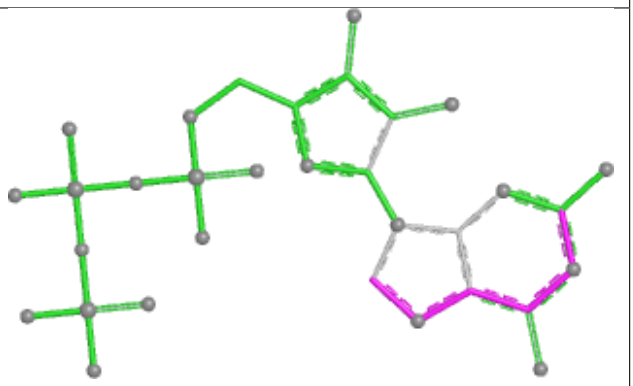

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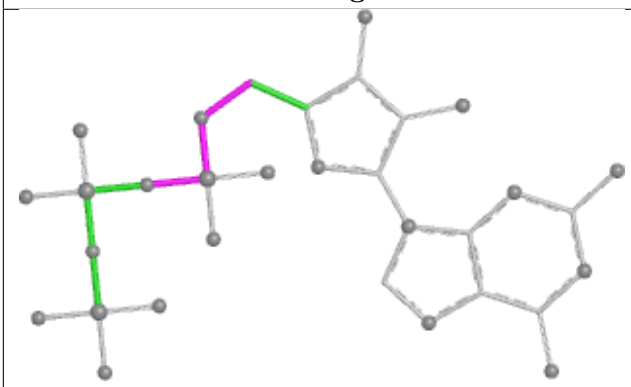

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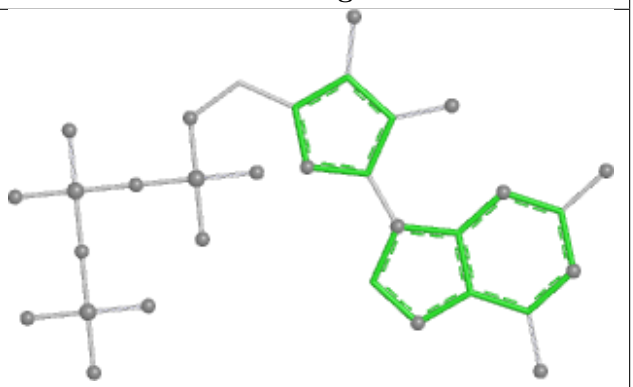
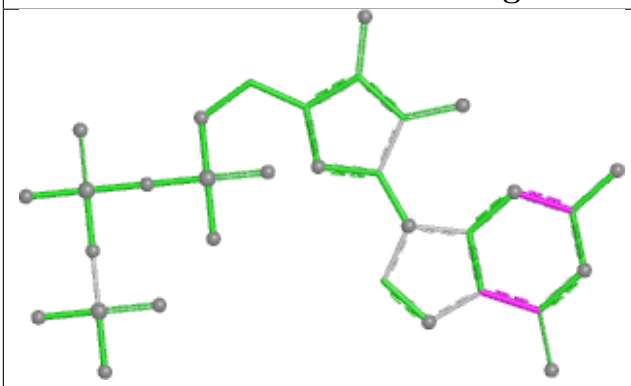


Rings

Ligand GTP KW 501



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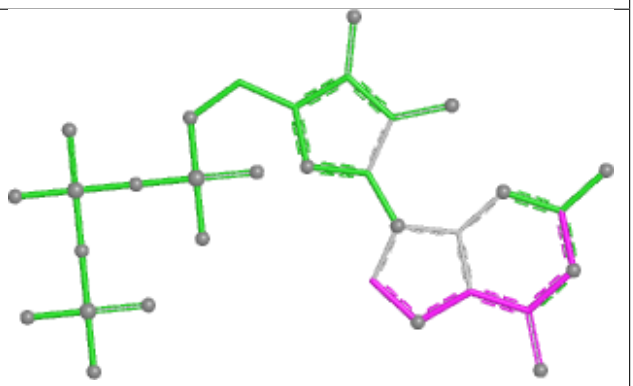

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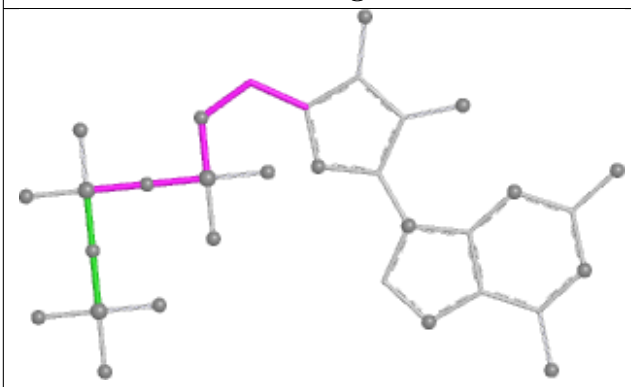

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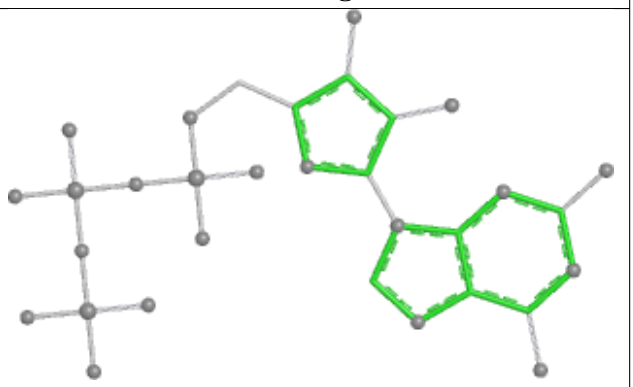
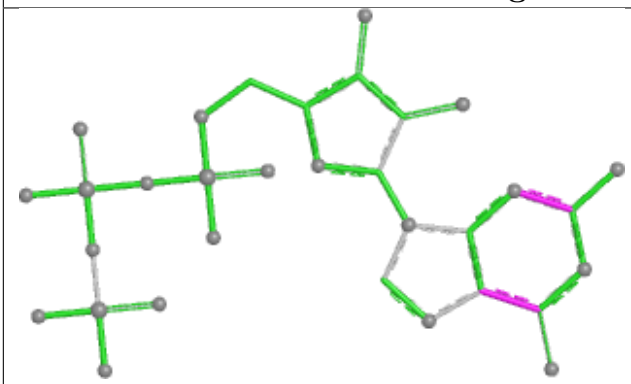


Rings

Ligand GTP BG 501



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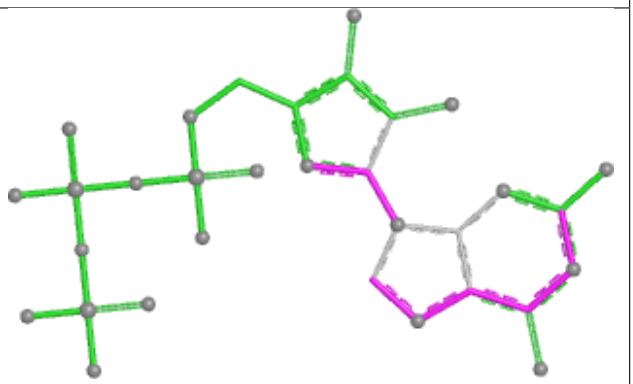

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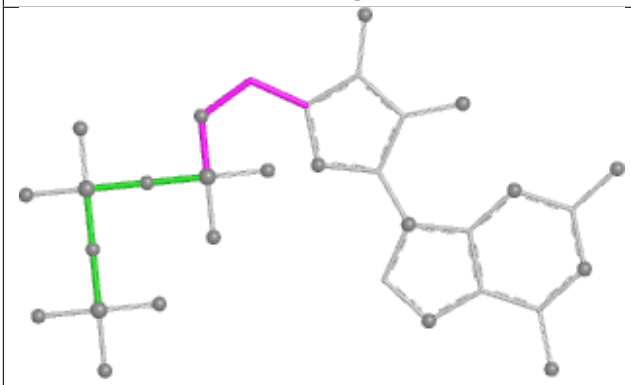

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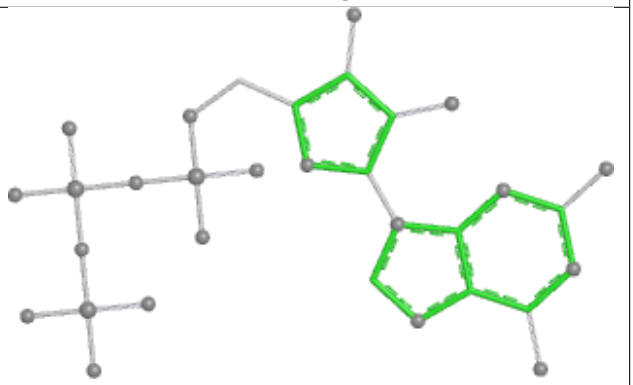
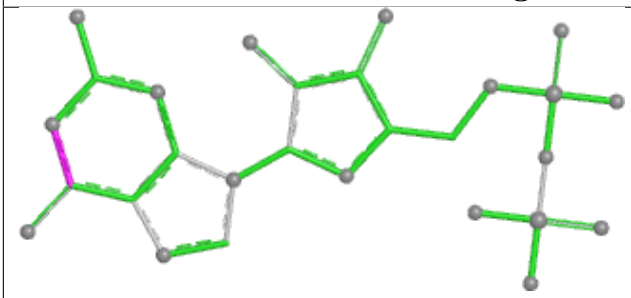


Rings

Ligand GDP Cg 502



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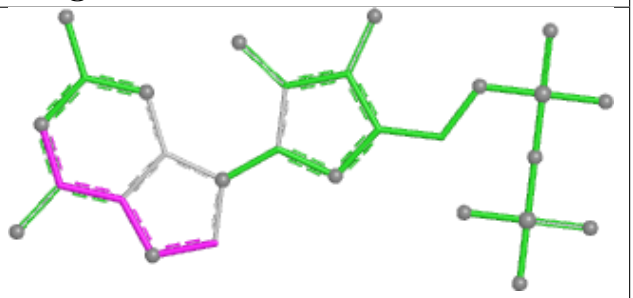

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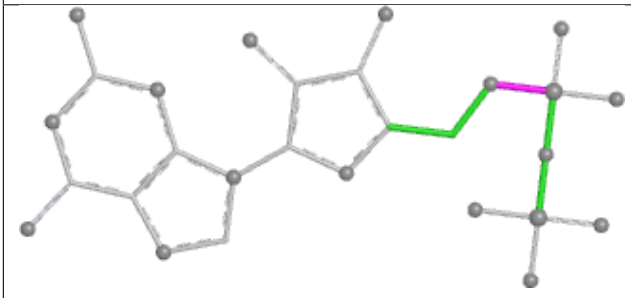

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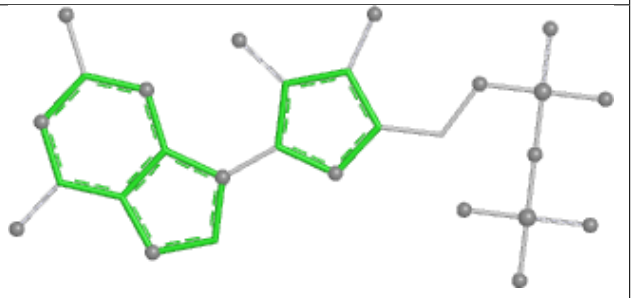
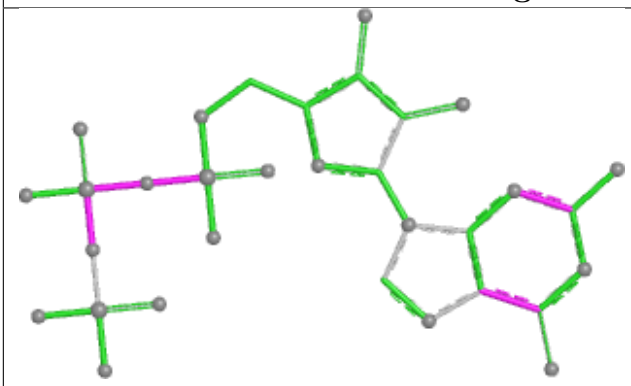


Rings

Ligand GTP 2C 501



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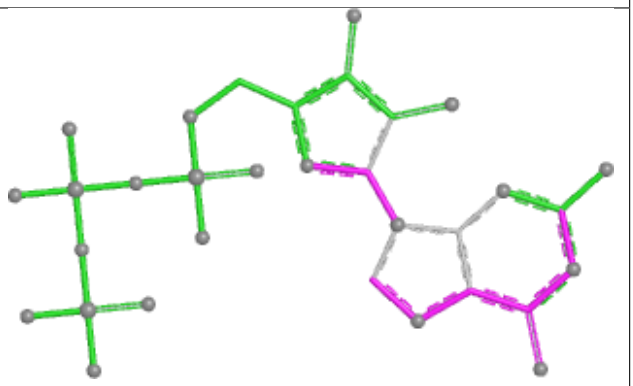

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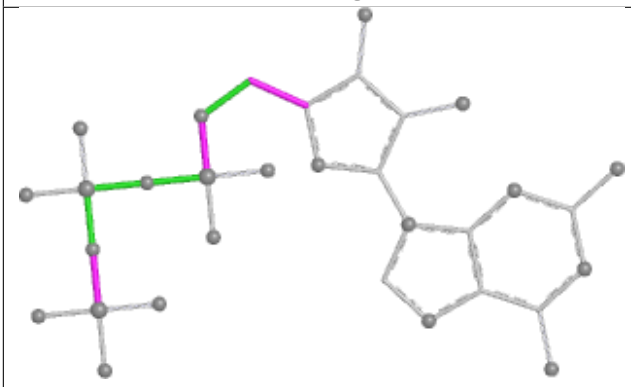

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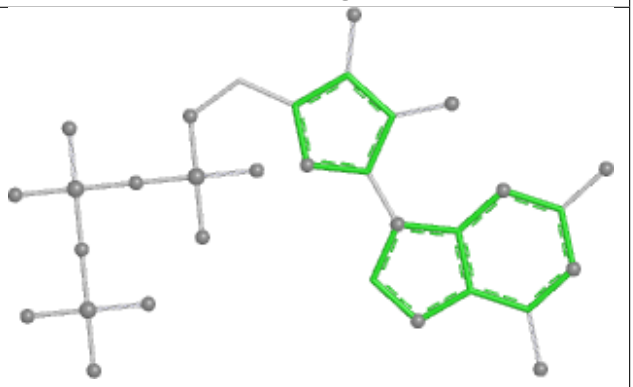
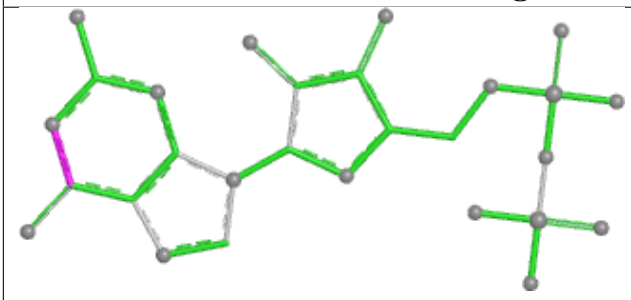


Rings

Ligand GDP Dg 501



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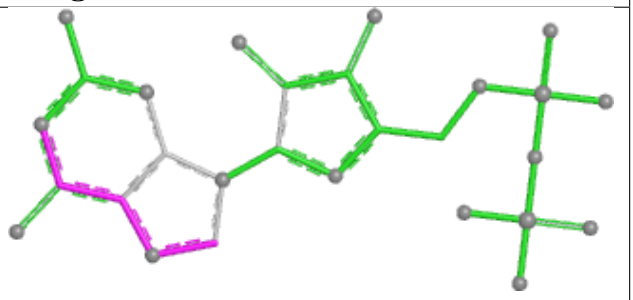

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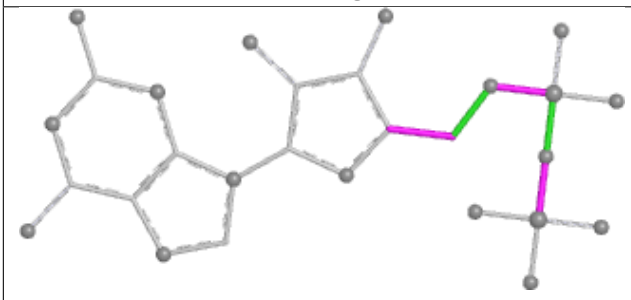

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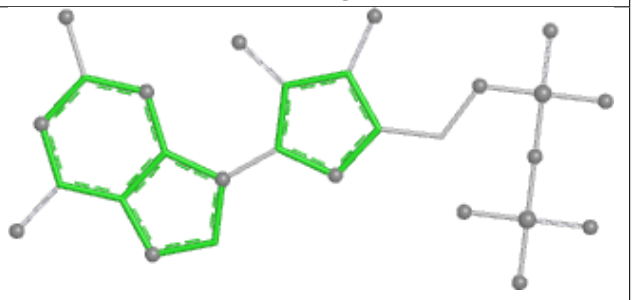
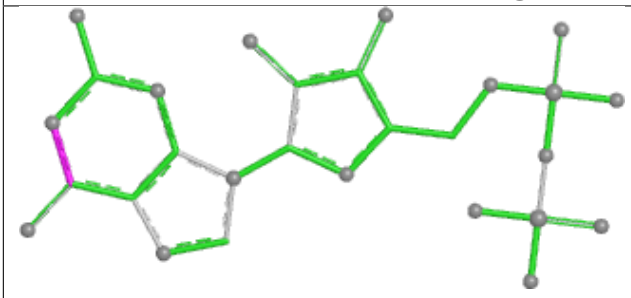


Rings

Ligand GDP KJ 501



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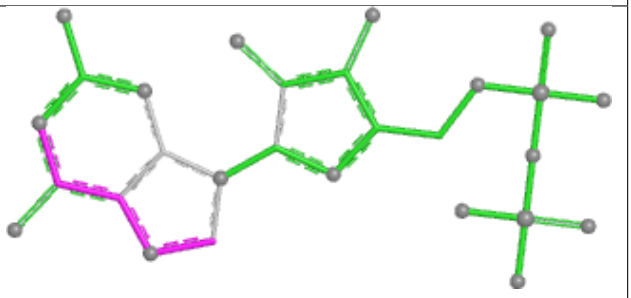

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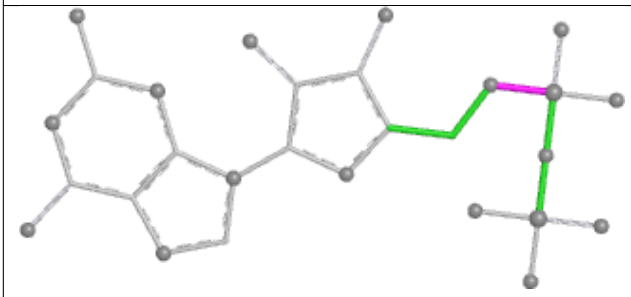

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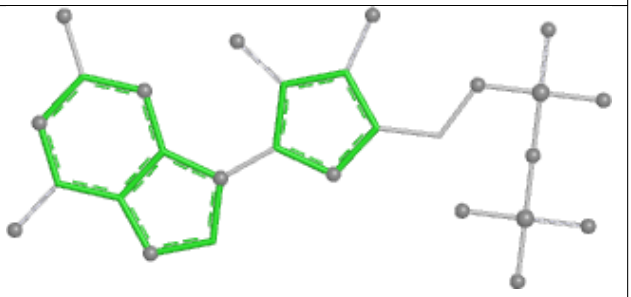
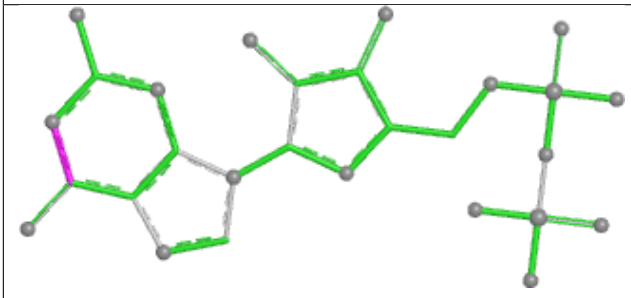


Rings

Ligand GDP Bu 502



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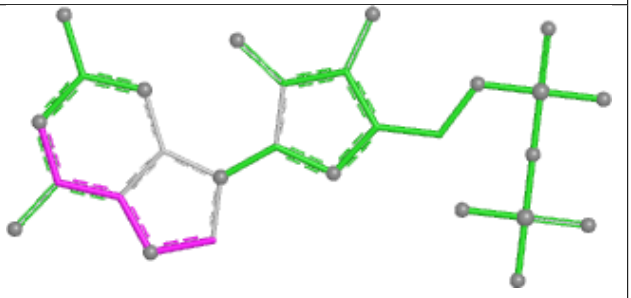

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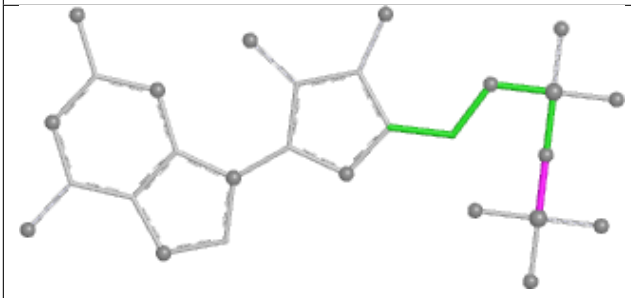

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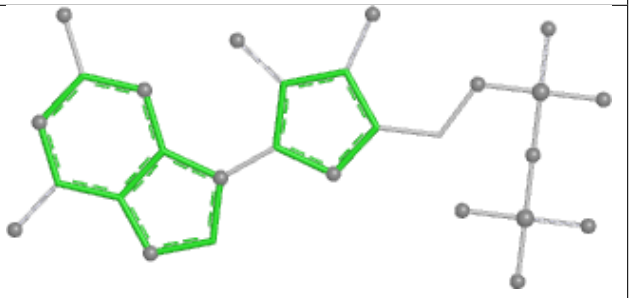
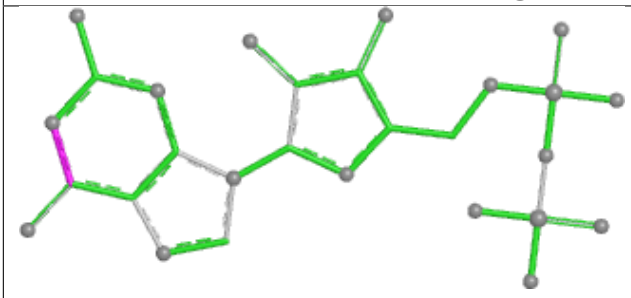


Rings

Ligand GDP G2 501



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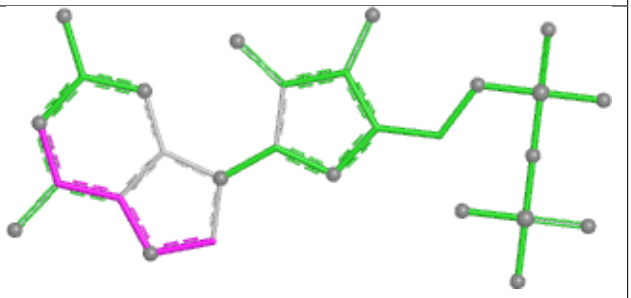

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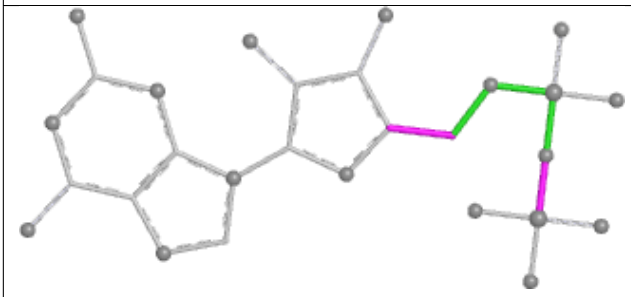

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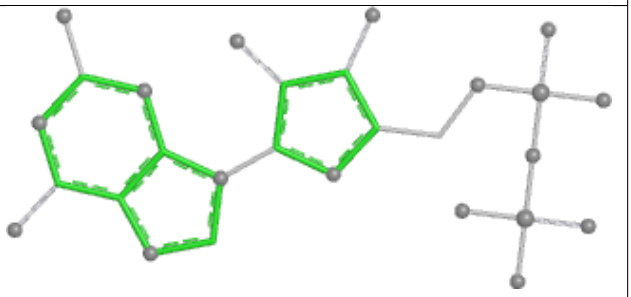
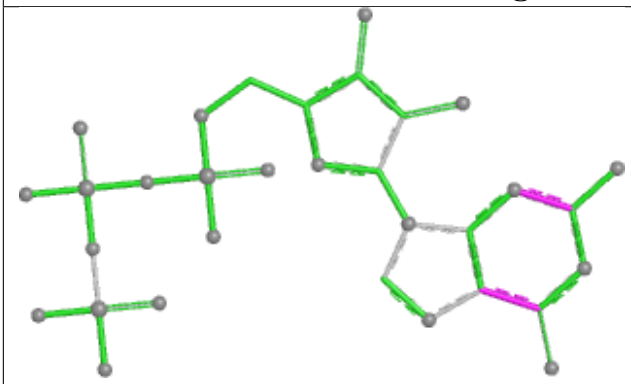


Rings

Ligand GTP FT 502



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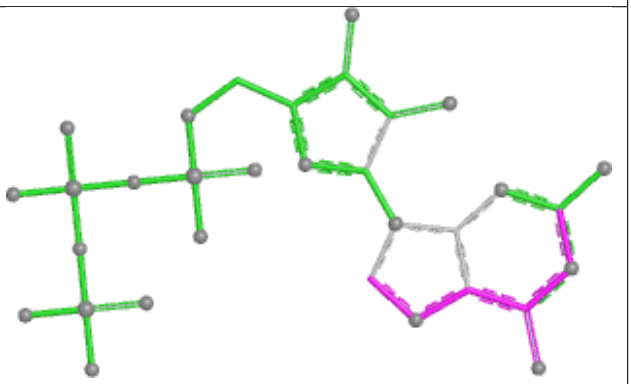
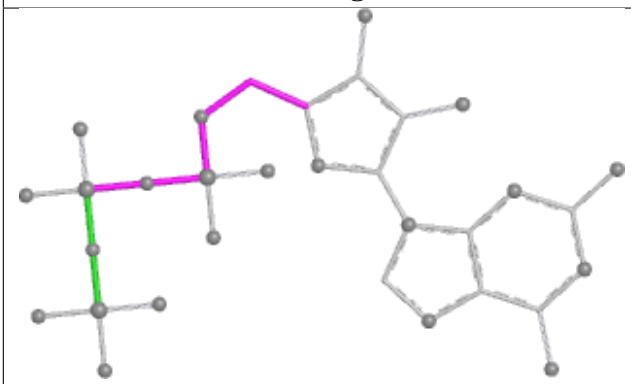


Bond angles



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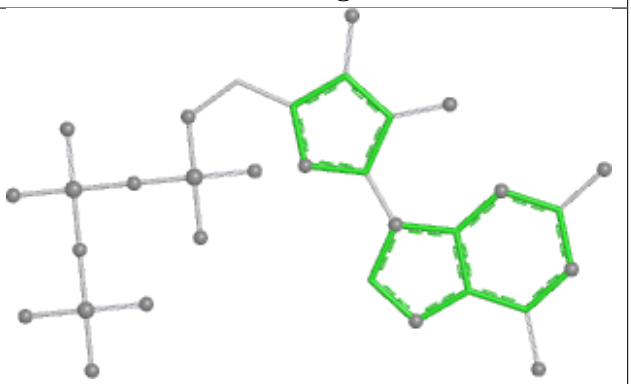
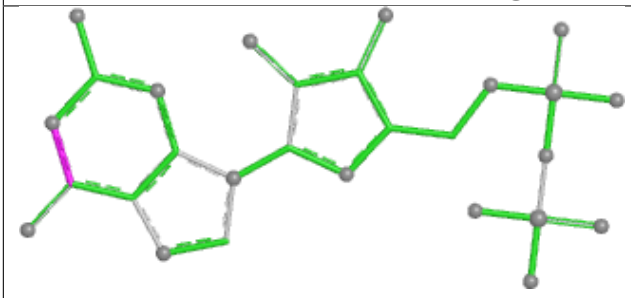
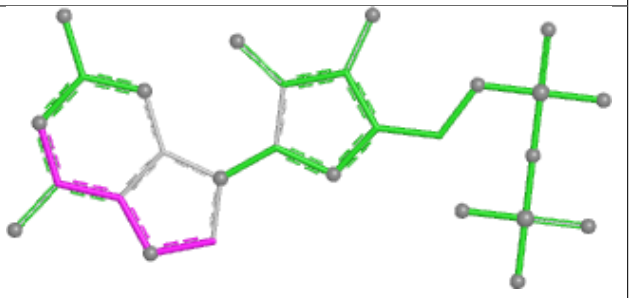


Rings

Ligand GDP CK 502



Bond lengths



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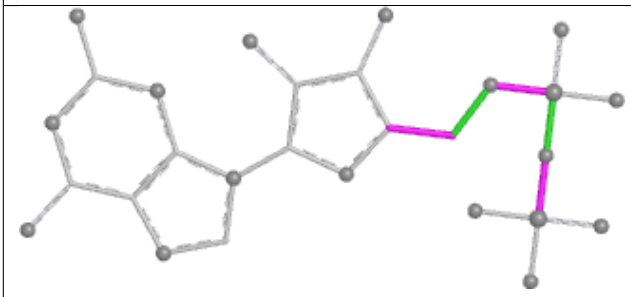
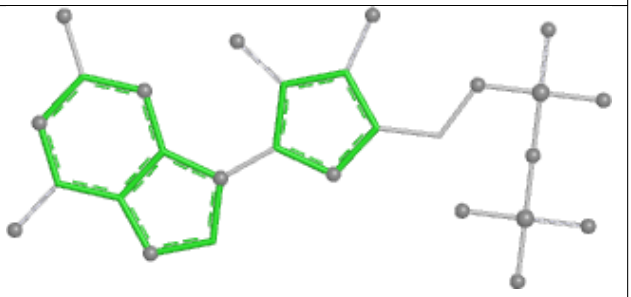
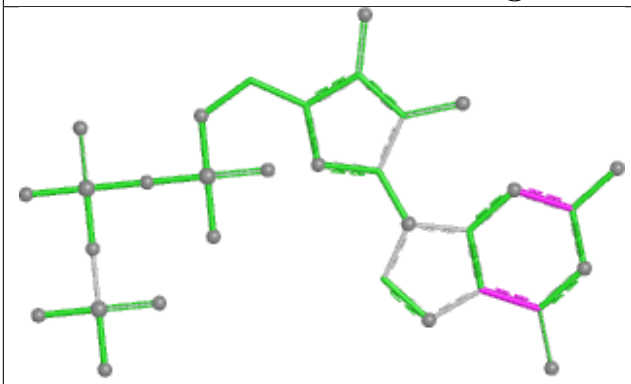


Torsions



Rings

Ligand GTP FW 501



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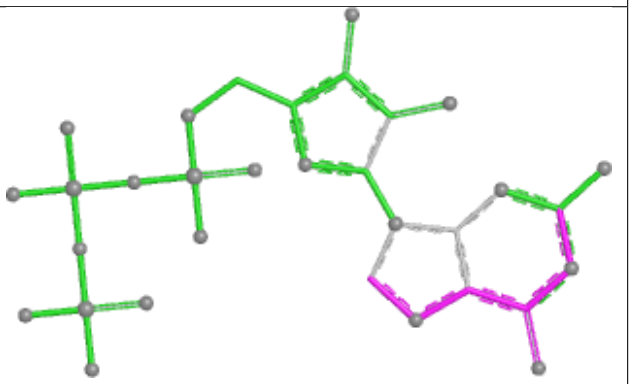

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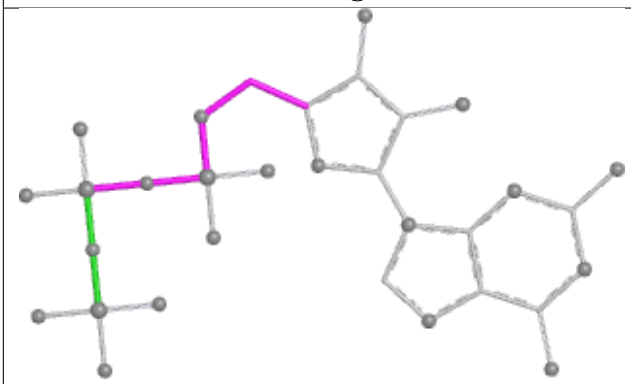

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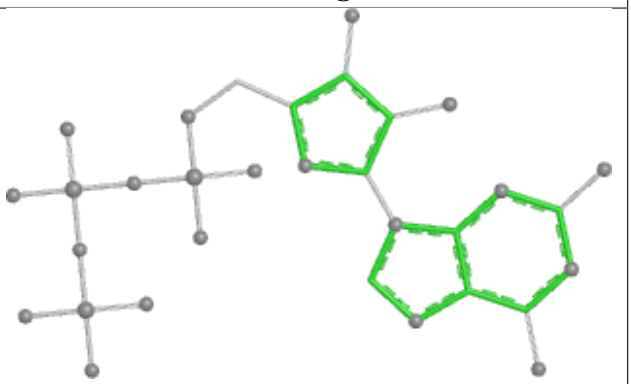
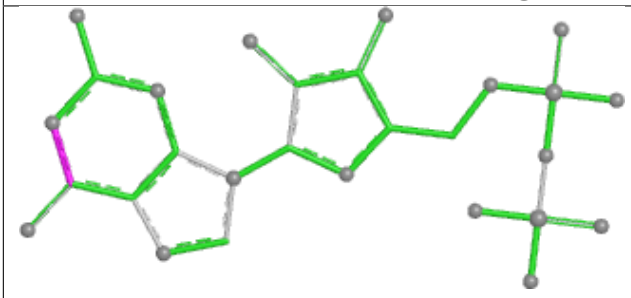
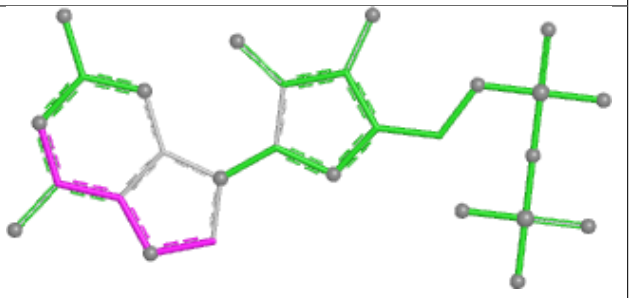


Rings

Ligand GDP S6 501	
	
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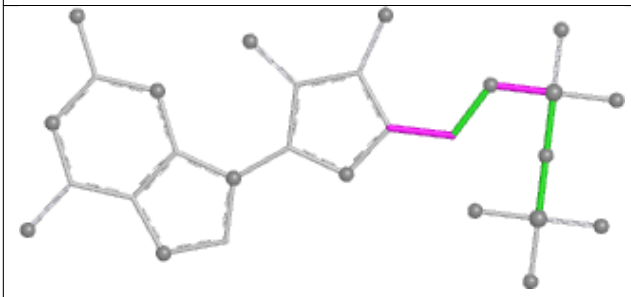
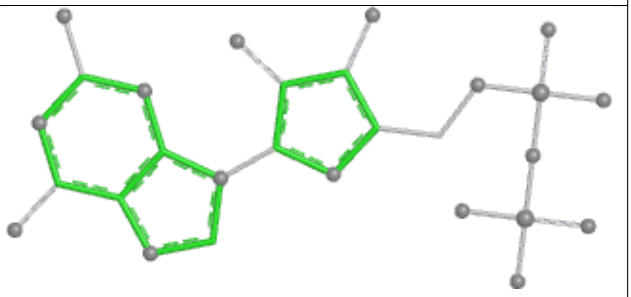
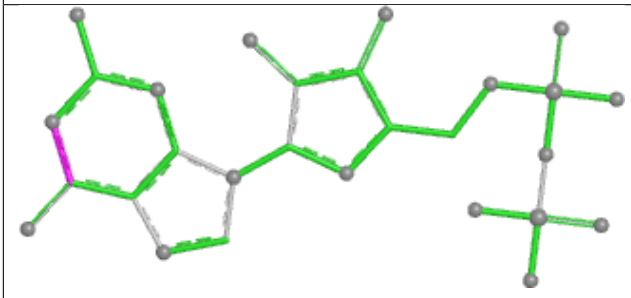
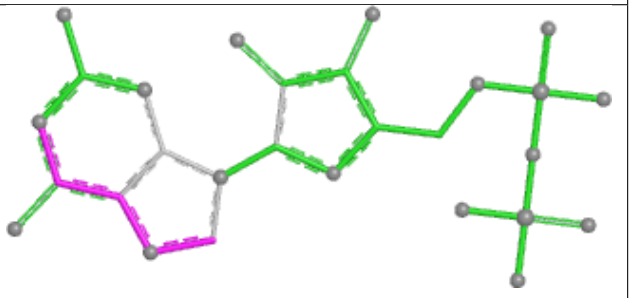
	
Torsions	Rings

Ligand GDP Fc 502	
	
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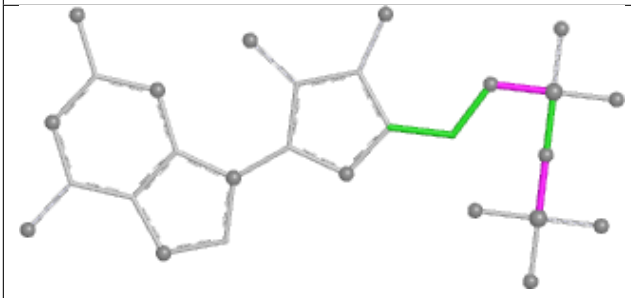
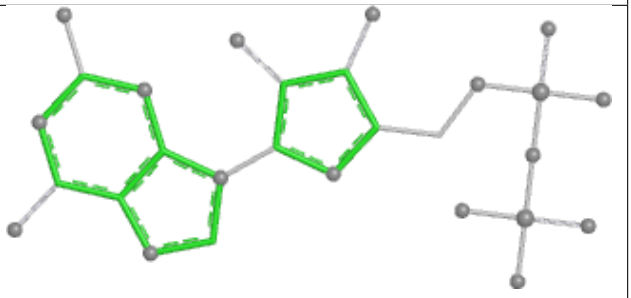
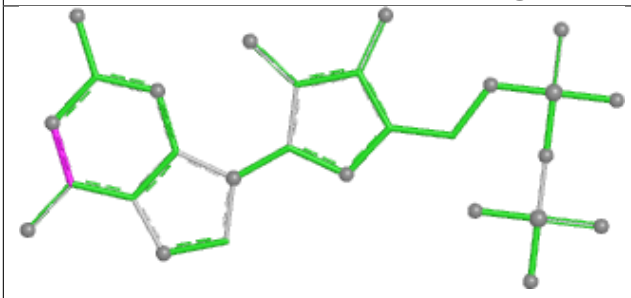
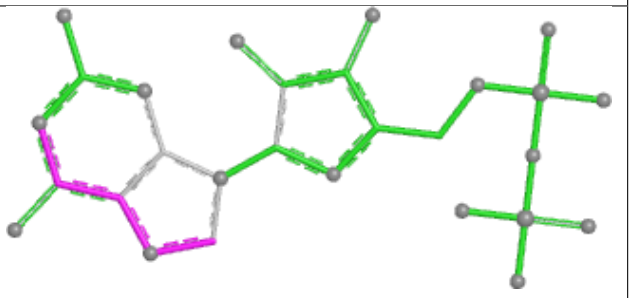
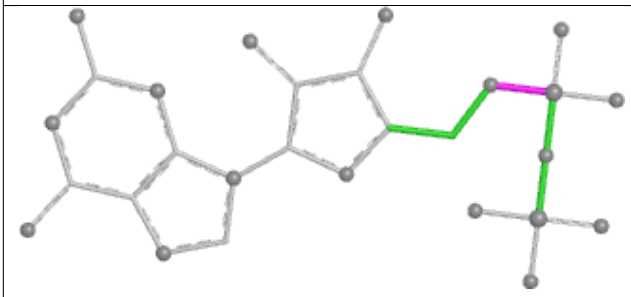
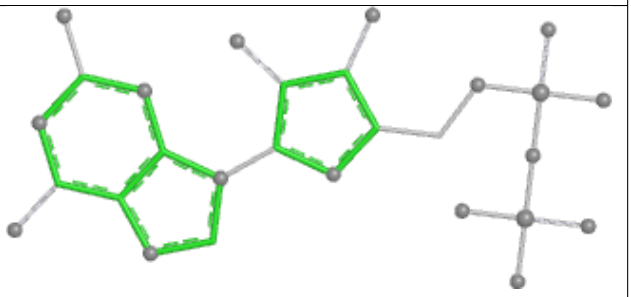
	
Torsions	Rings

Ligand GDP GJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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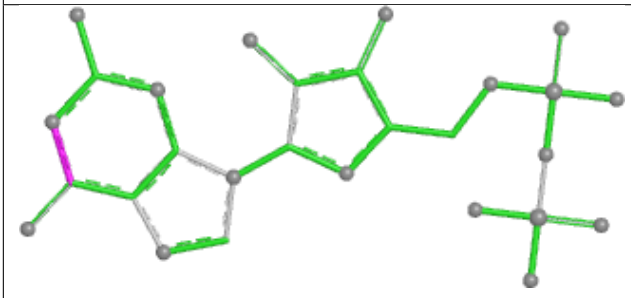
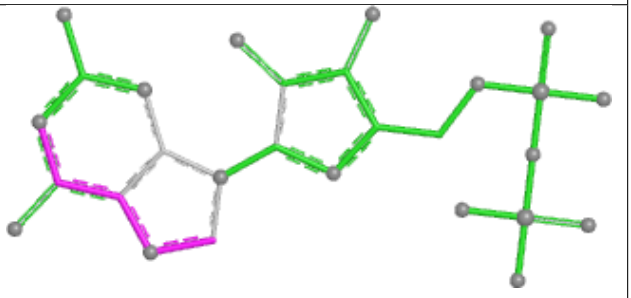
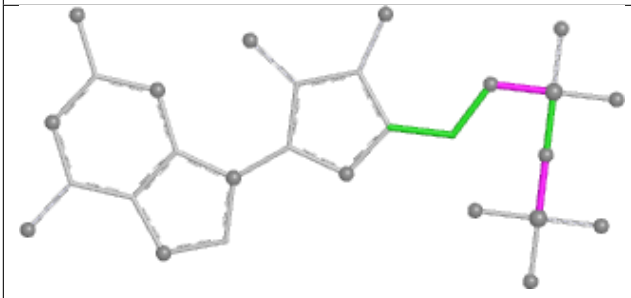
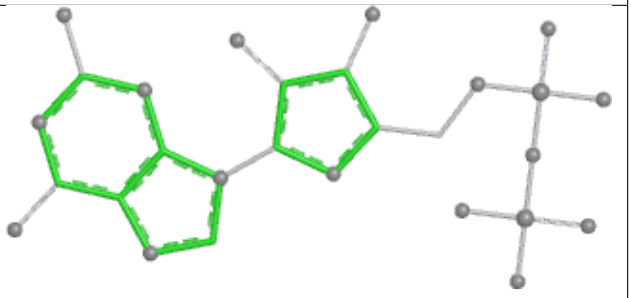
 Bond lengths	 Bond angles
 Torsions	 Rings

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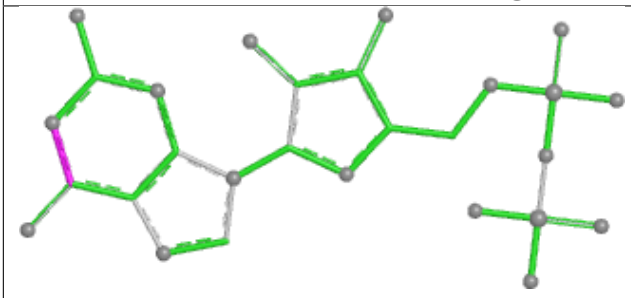
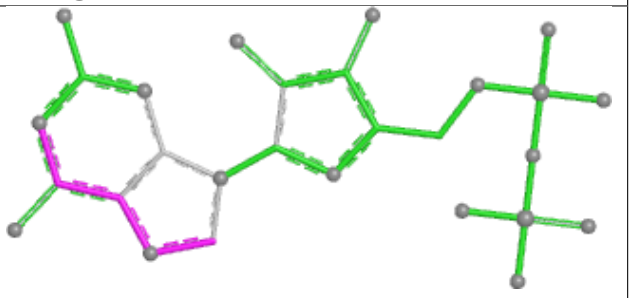
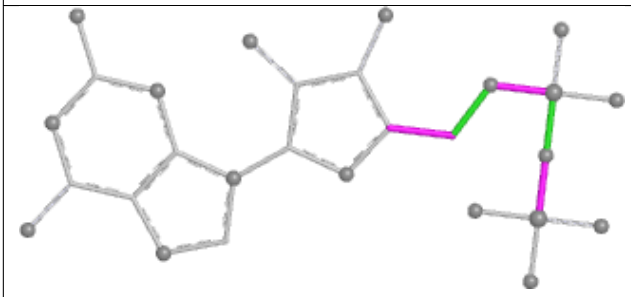
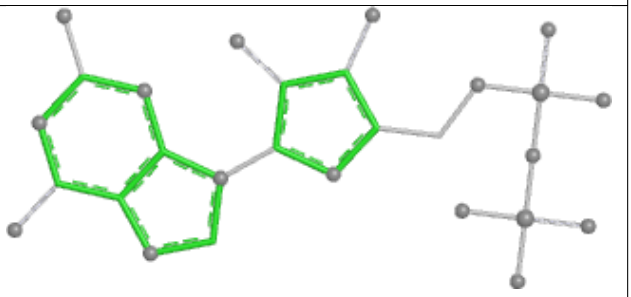
 Bond lengths	 Bond angles
 Torsions	 Rings

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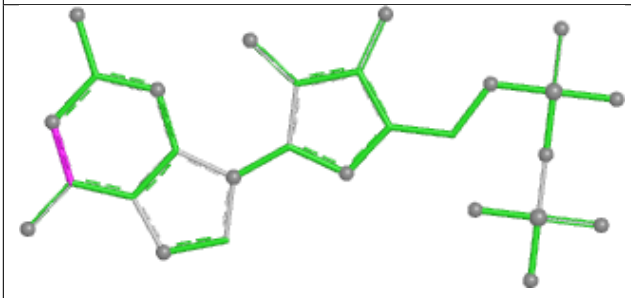
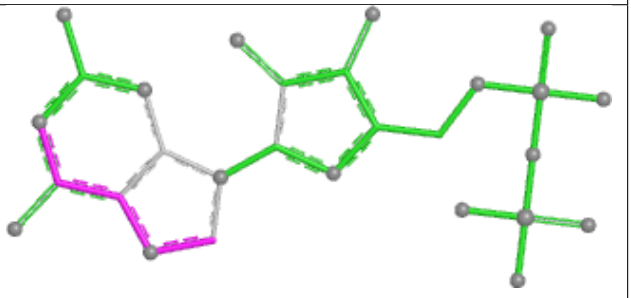
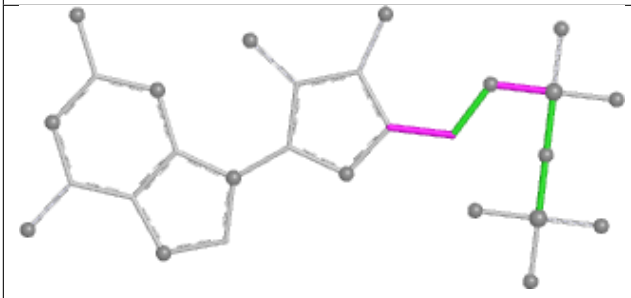
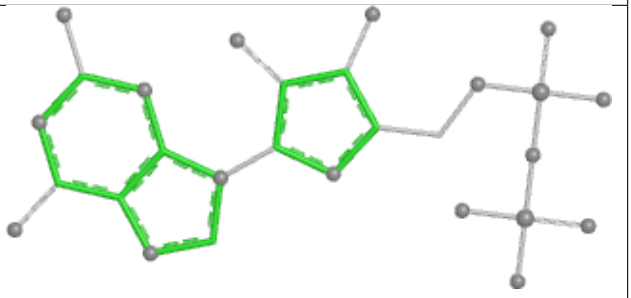
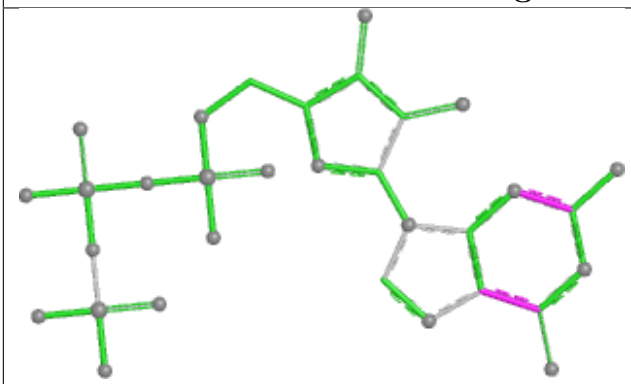
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 1T 501



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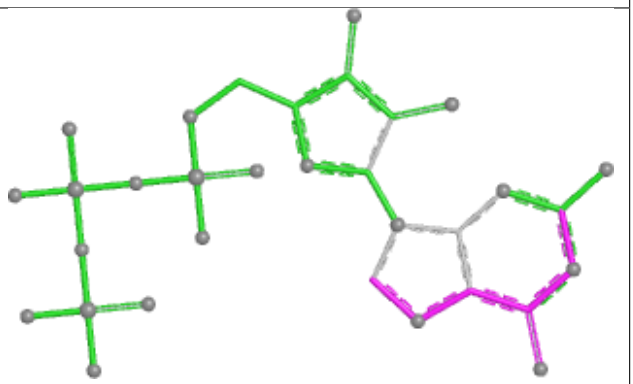

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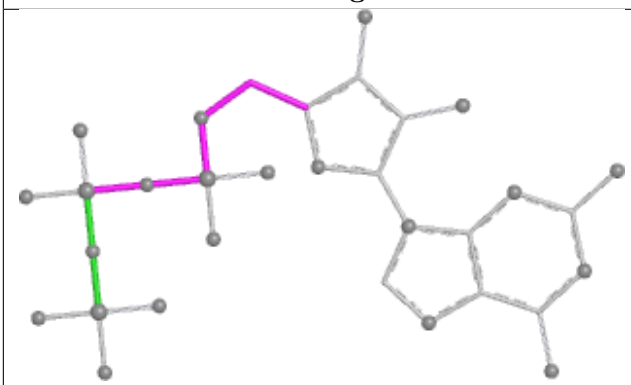

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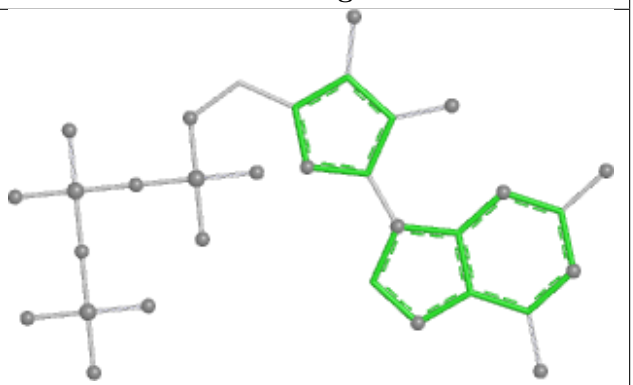
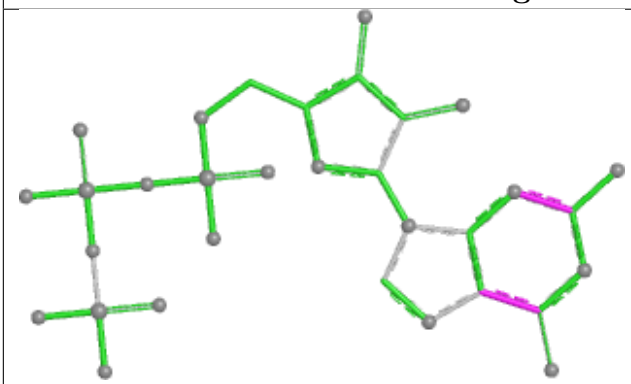


Rings

Ligand GTP 1D 501



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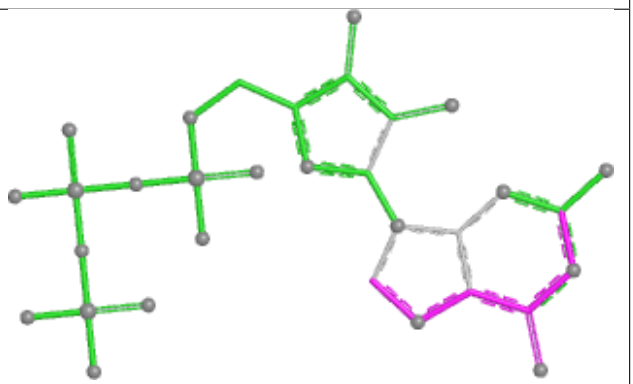

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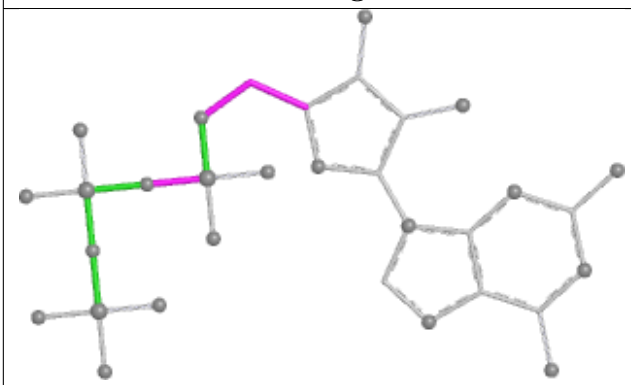

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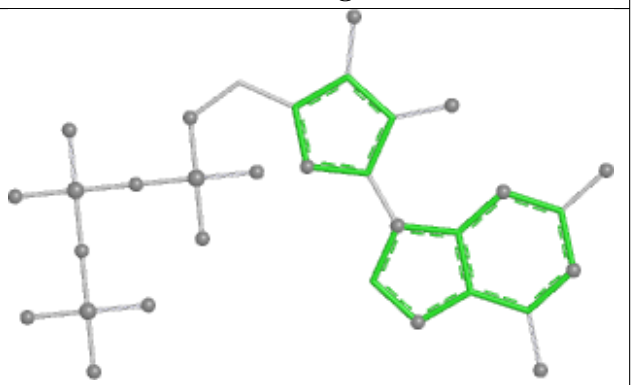
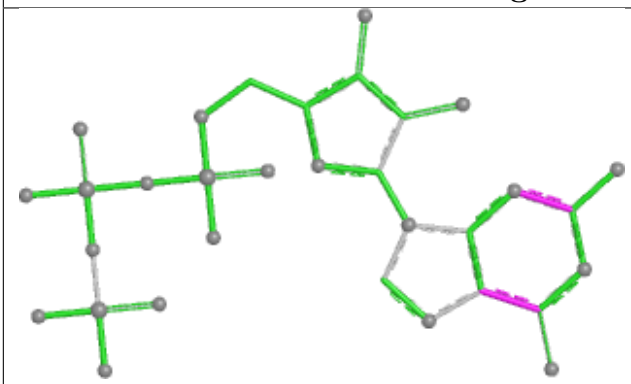


Rings

Ligand GTP IW 501



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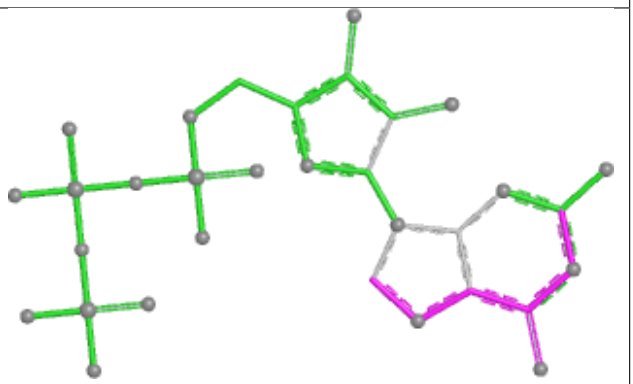

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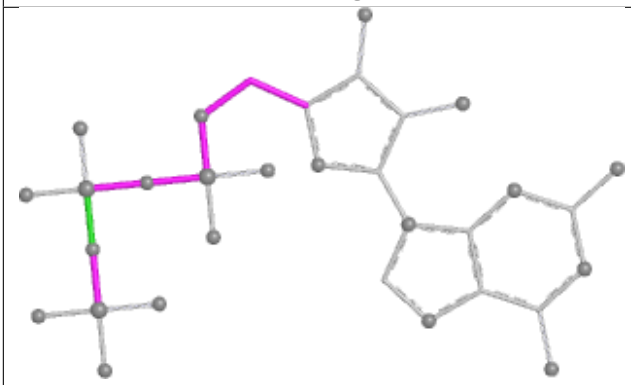

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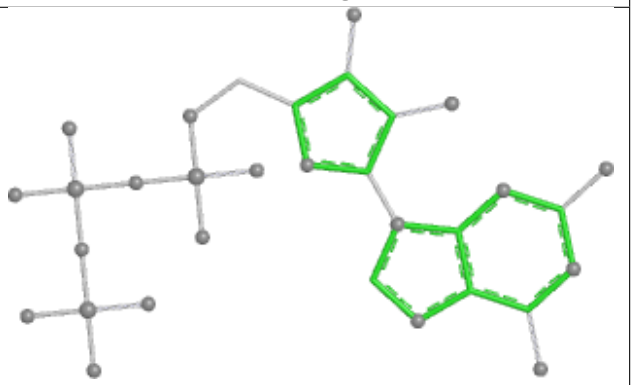
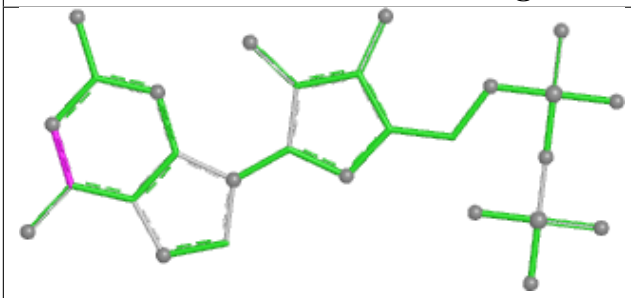


Rings

Ligand GDP Iw 502



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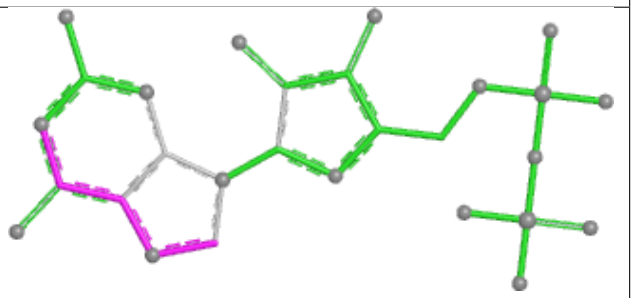

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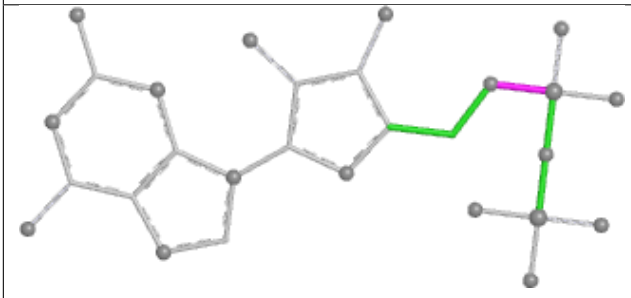

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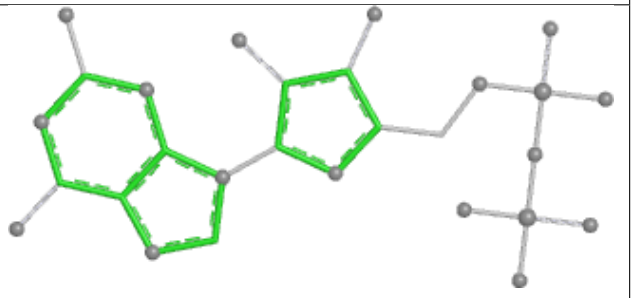
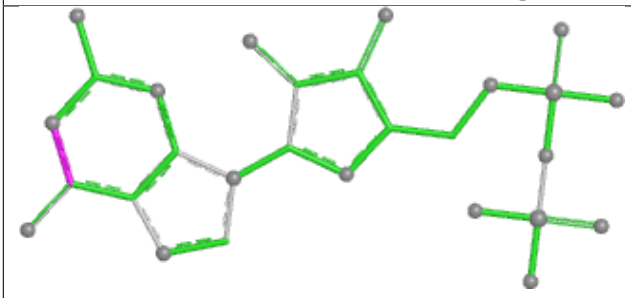
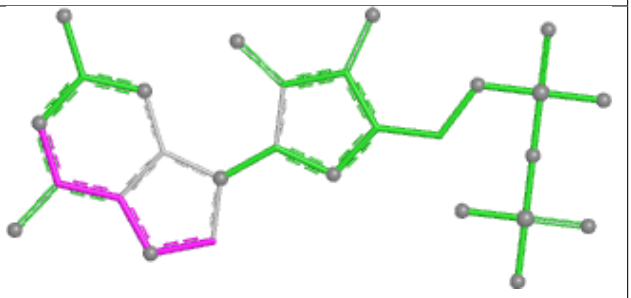
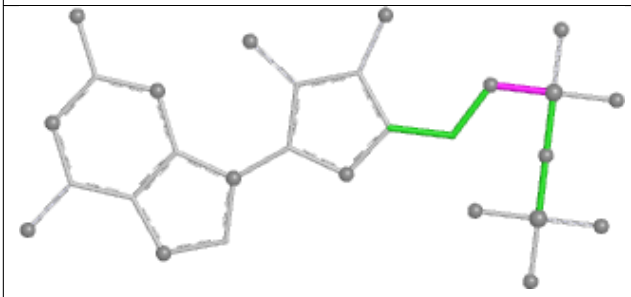
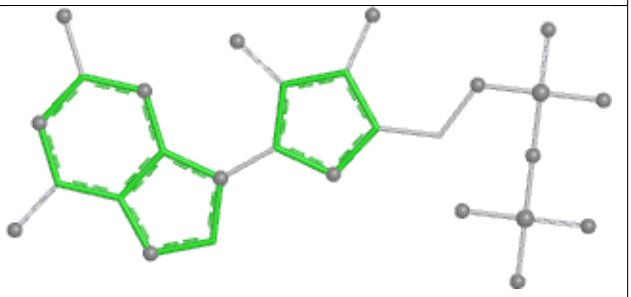


Rings

Ligand GDP DI 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

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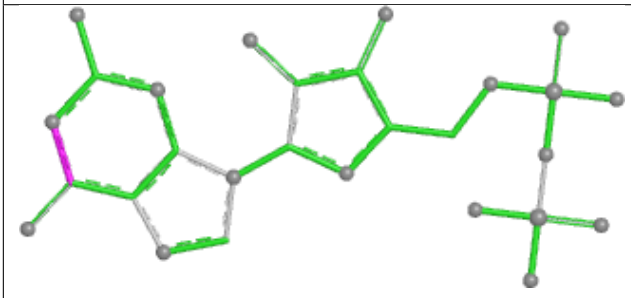
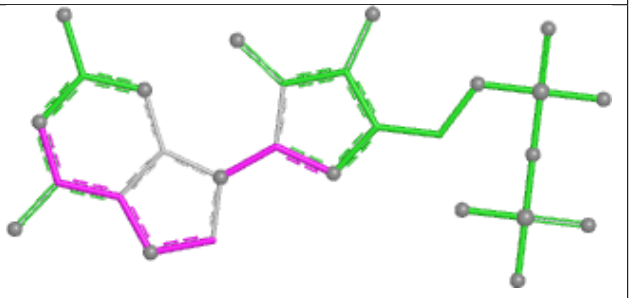
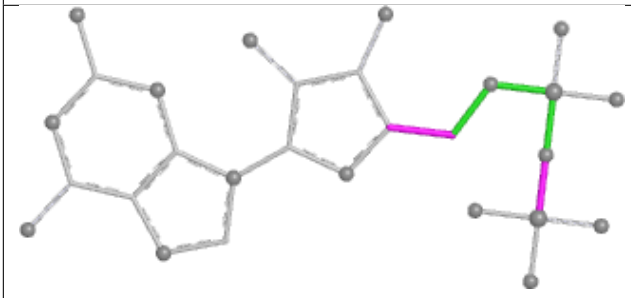
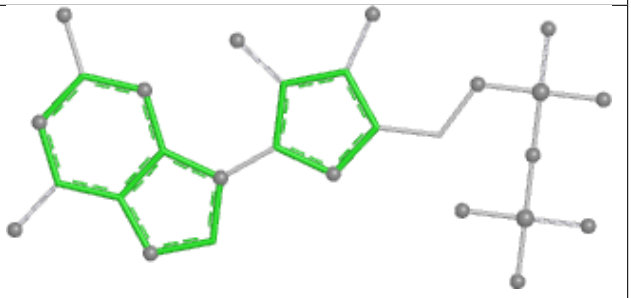
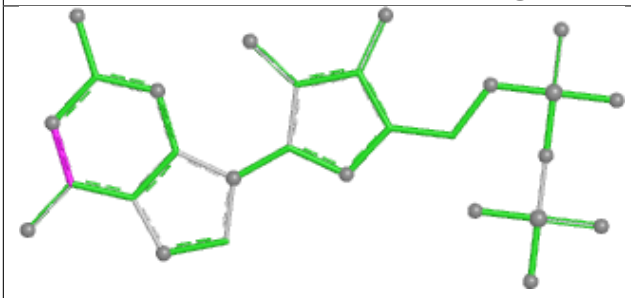
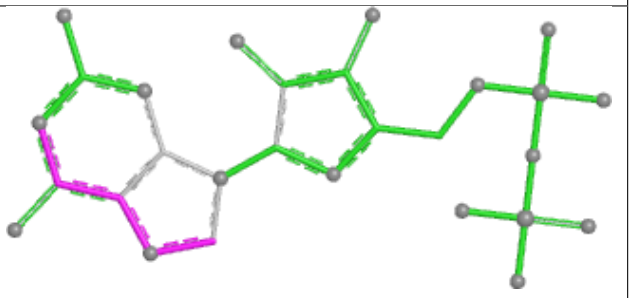
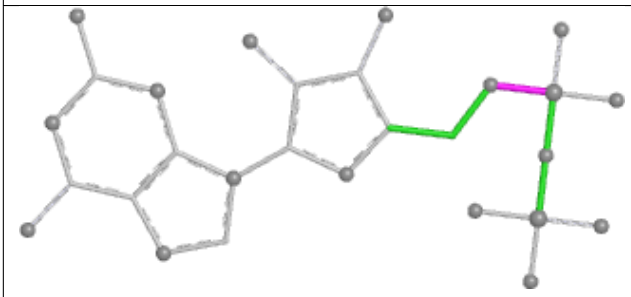
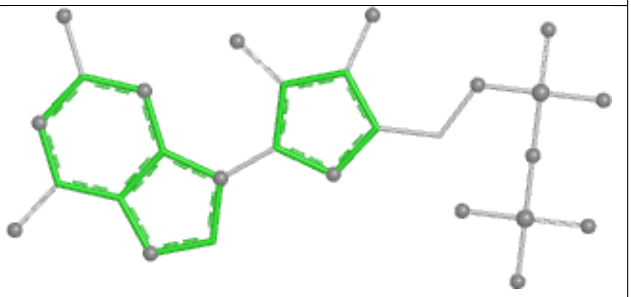
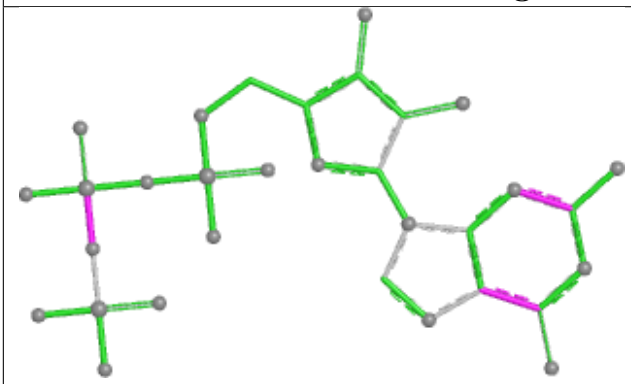
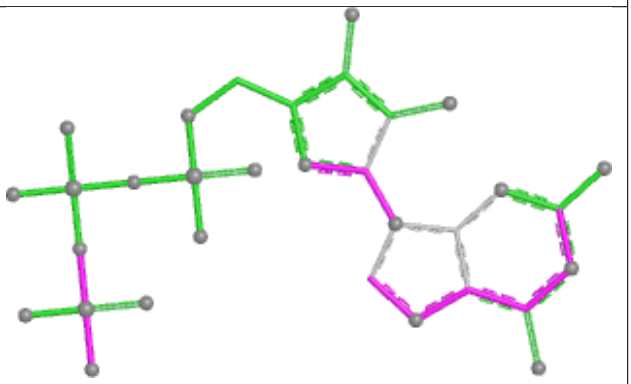
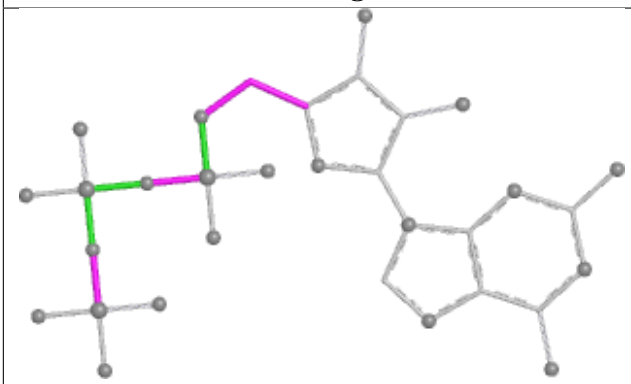
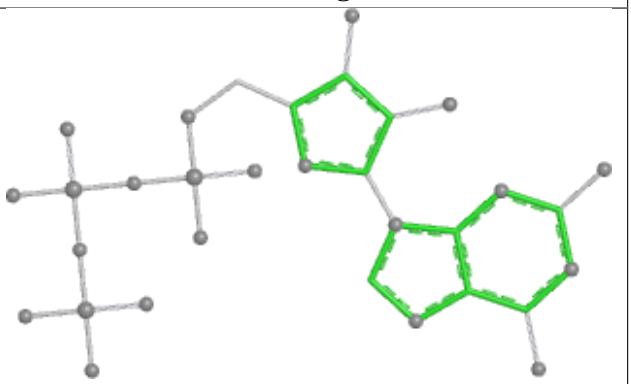
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP 0K 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 0O 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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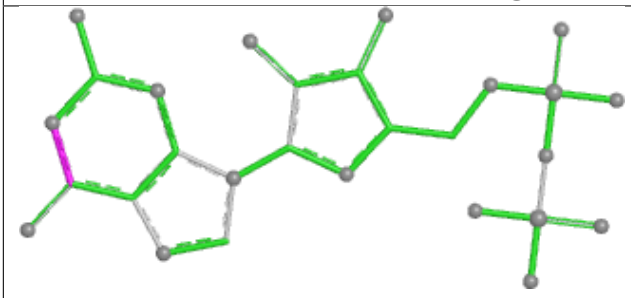
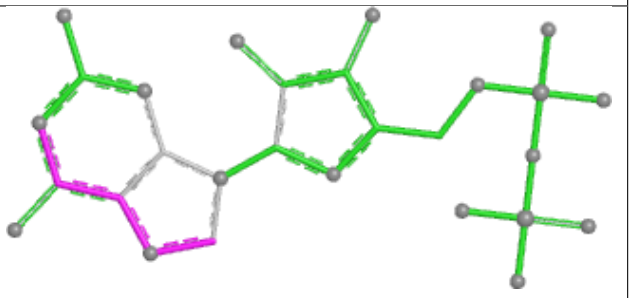
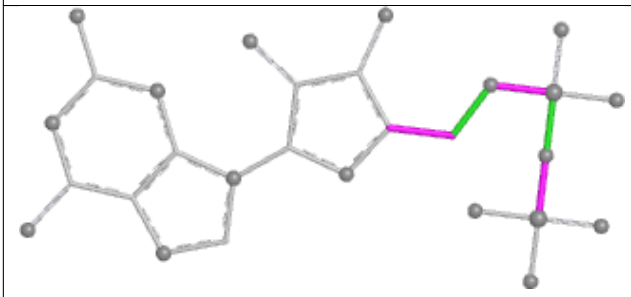
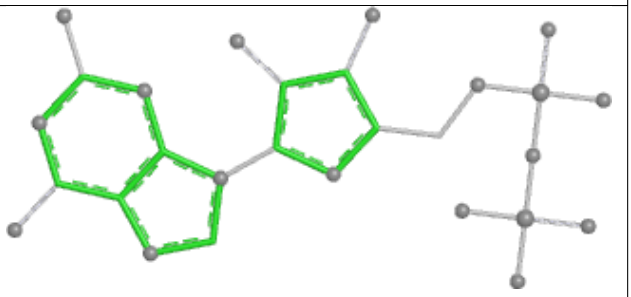
 Bond lengths	 Bond angles
 Torsions	 Rings

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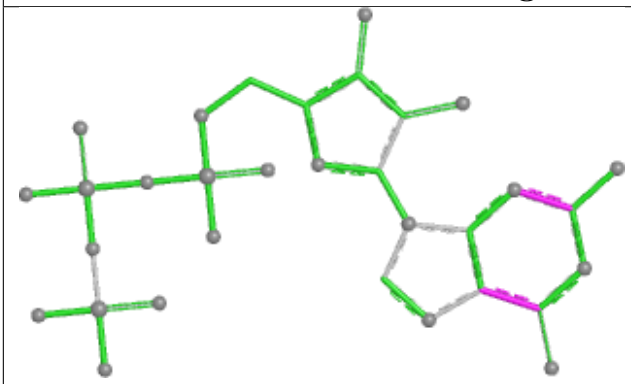
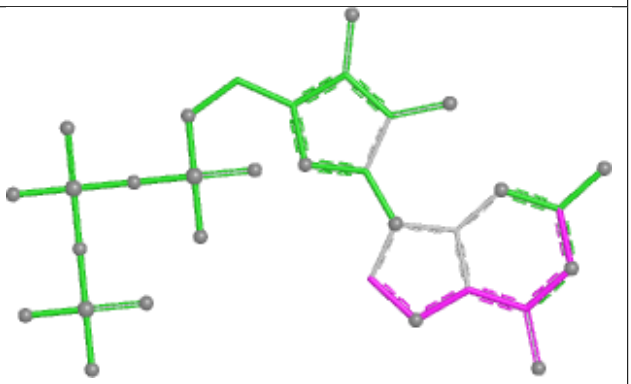
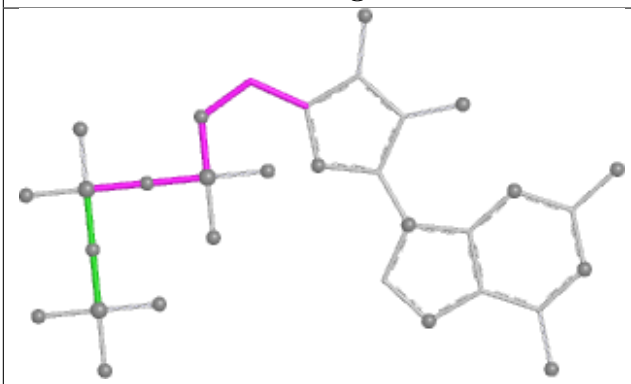
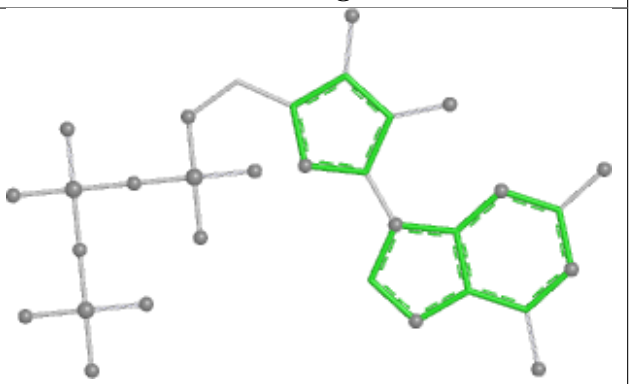
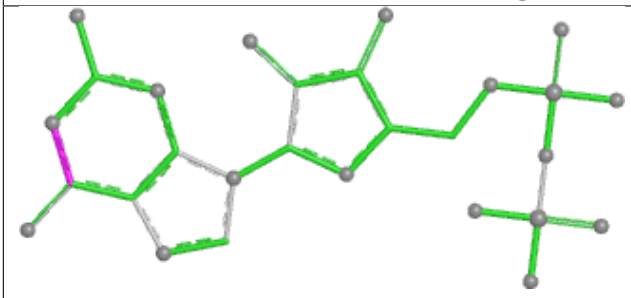
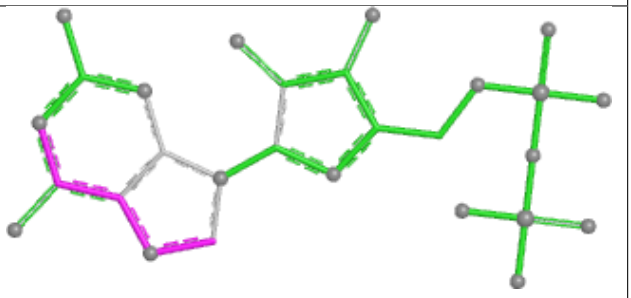
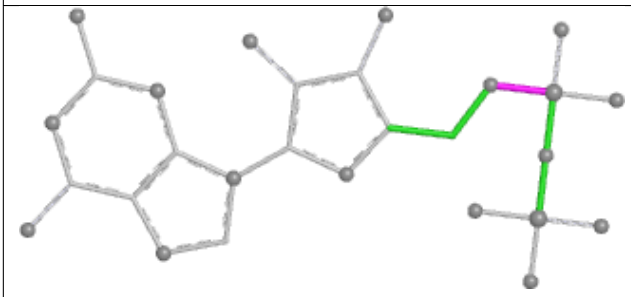
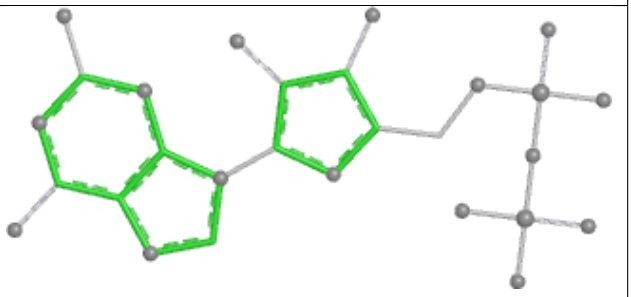
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP E0 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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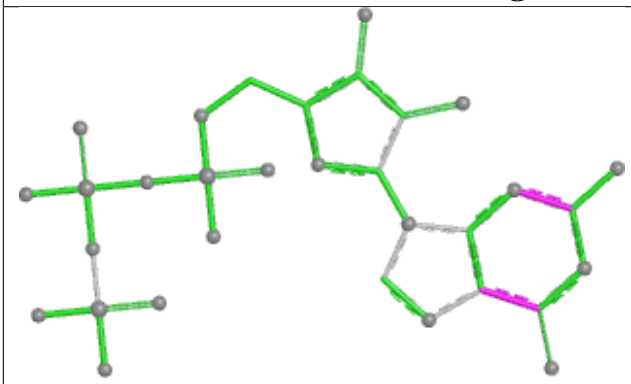
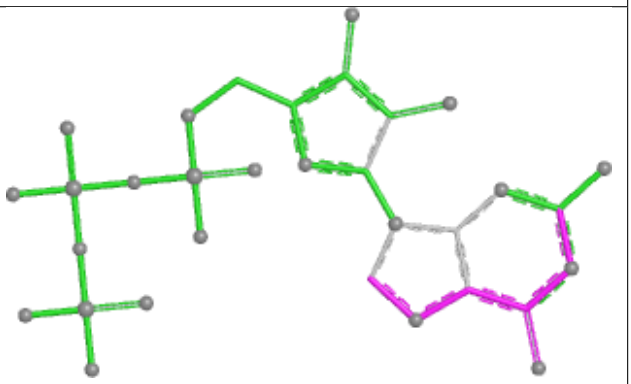
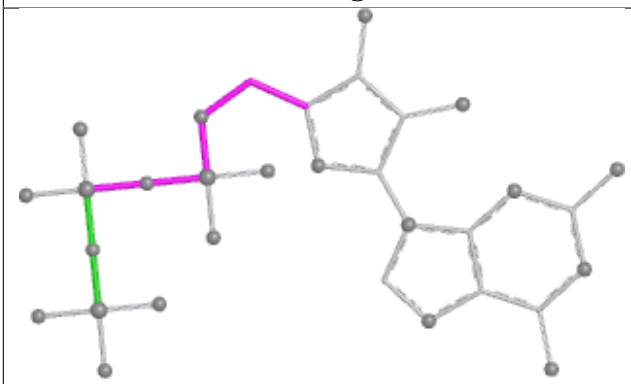
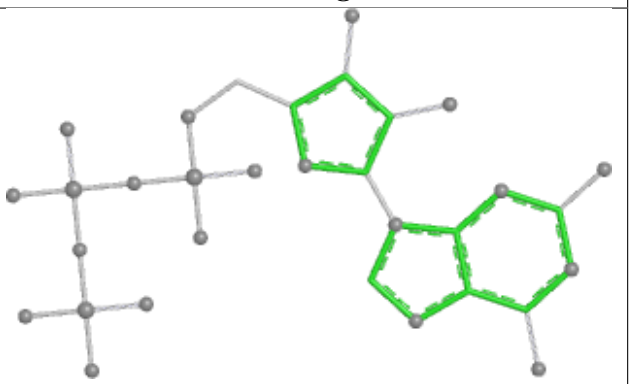
 Bond lengths	 Bond angles
 Torsions	 Rings

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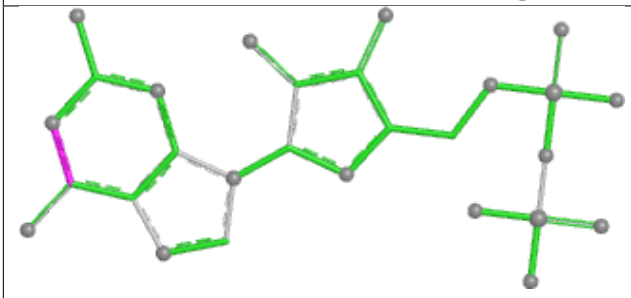
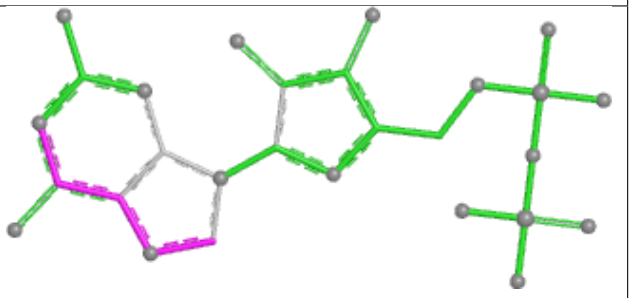
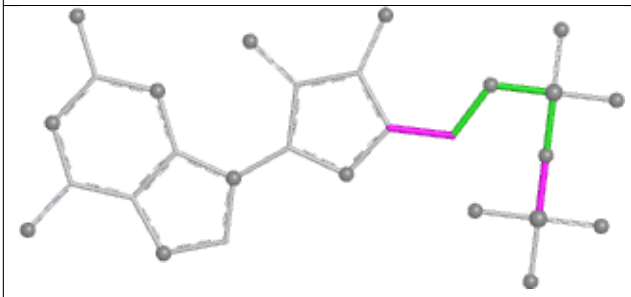
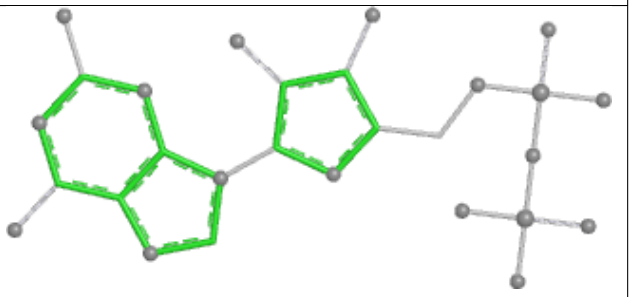
 Bond lengths	 Bond angles
 Torsions	 Rings

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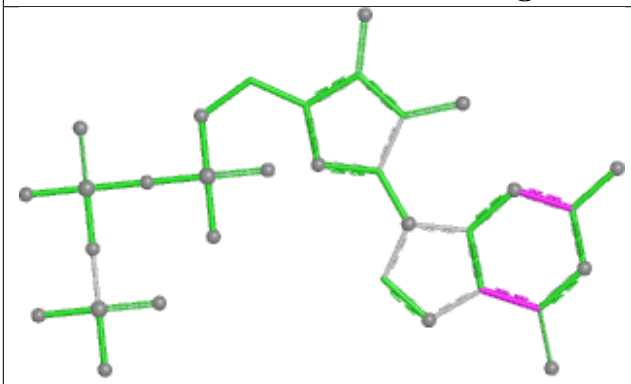
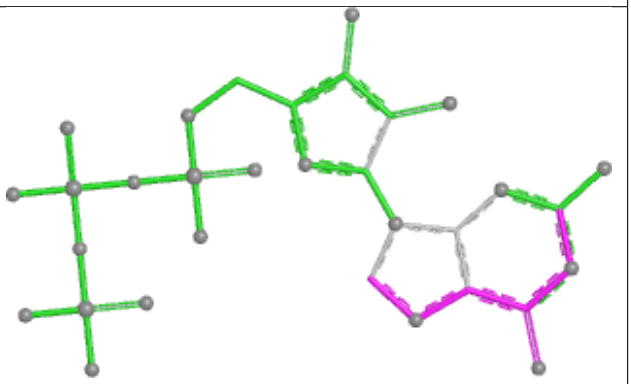
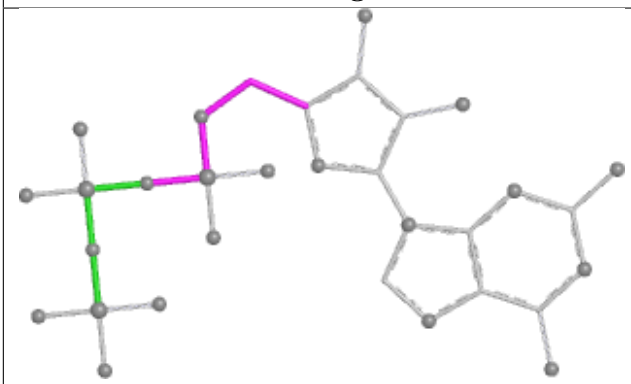
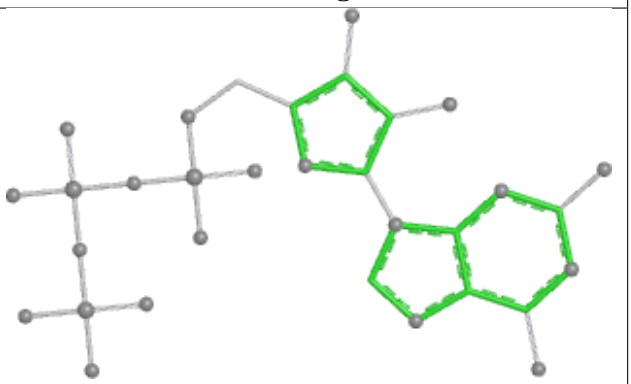
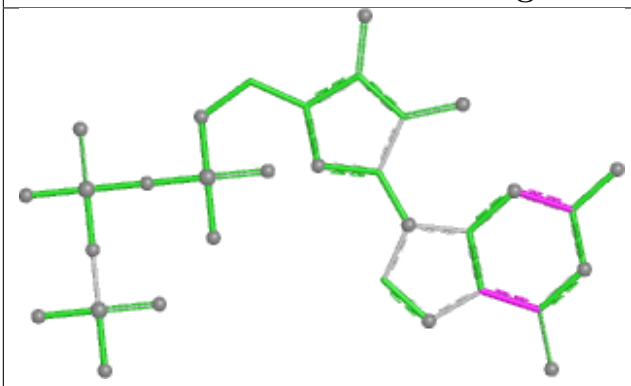
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 3S 501



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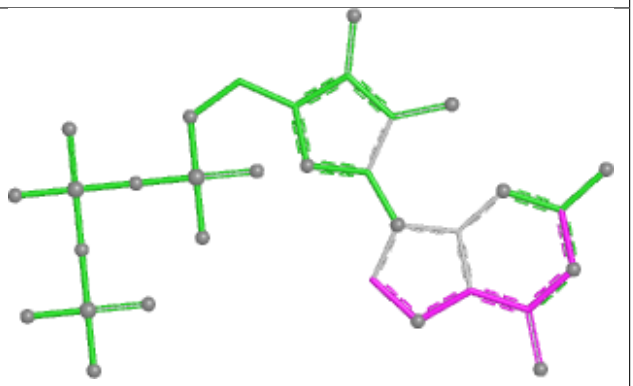

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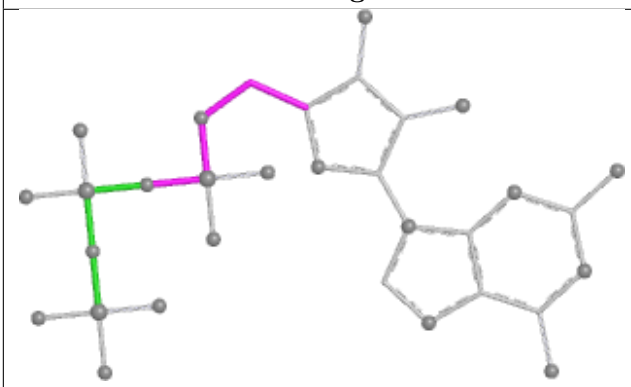
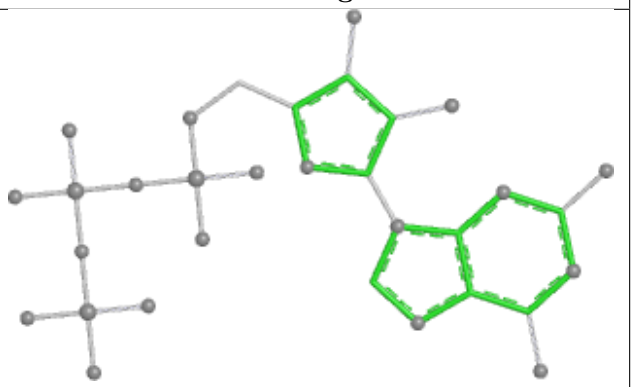


Torsions



Rings

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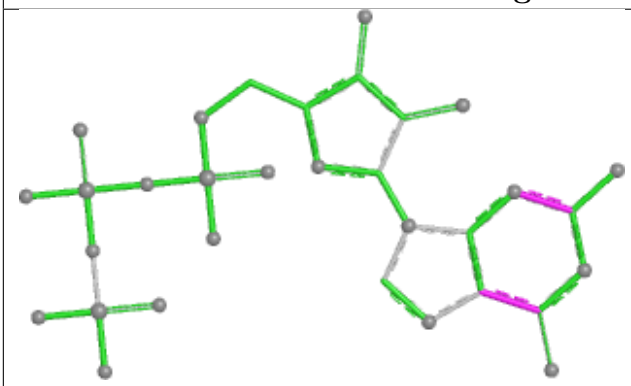

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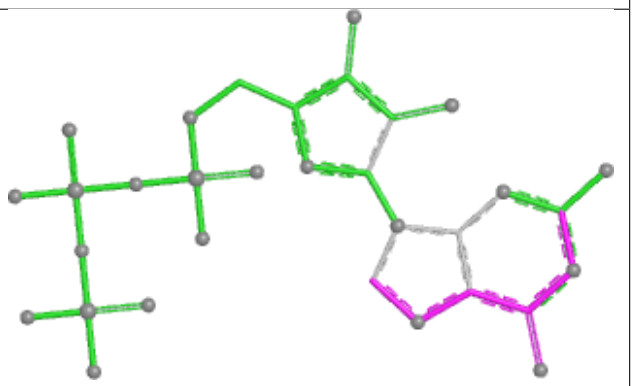

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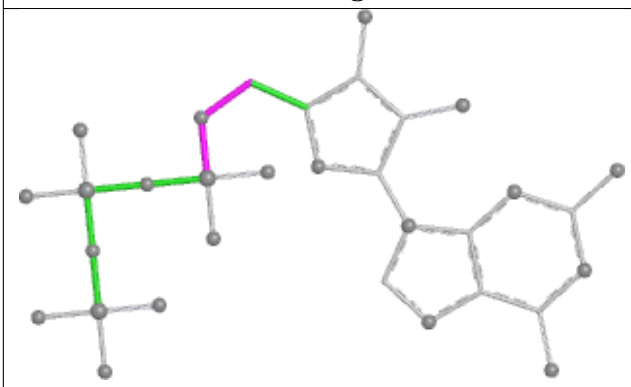

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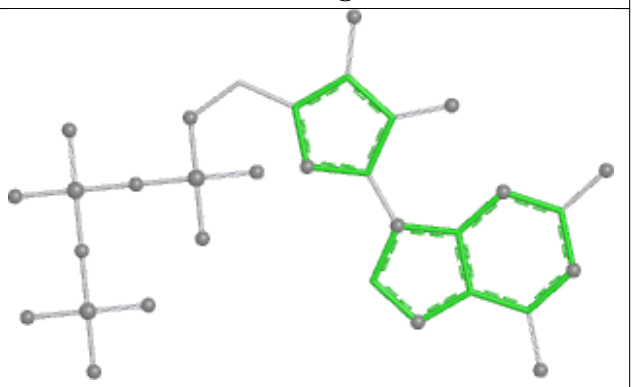

Rings

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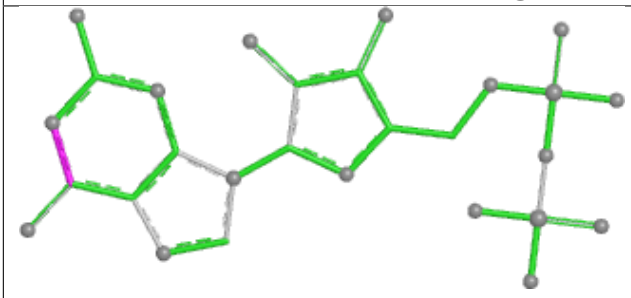

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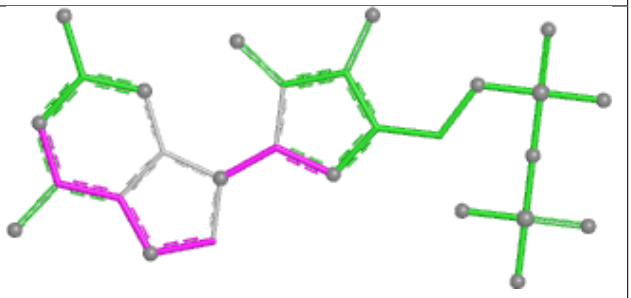

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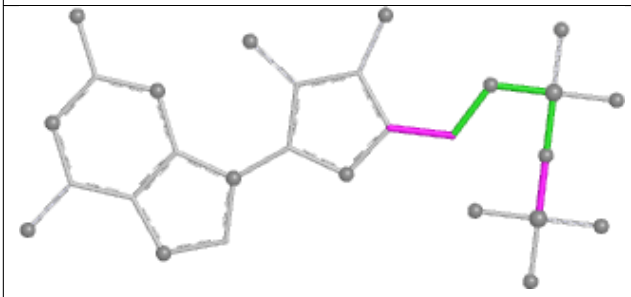

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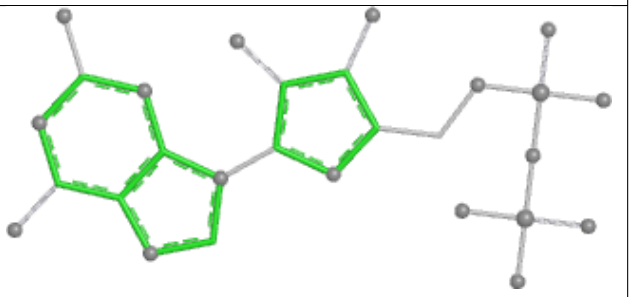

Rings

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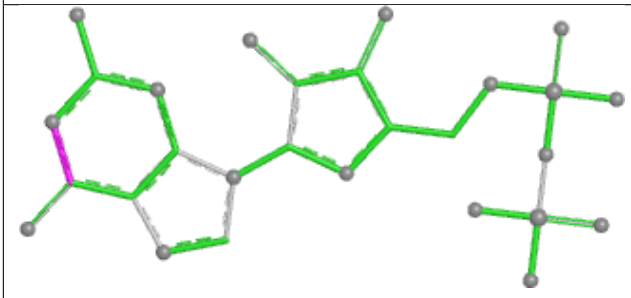

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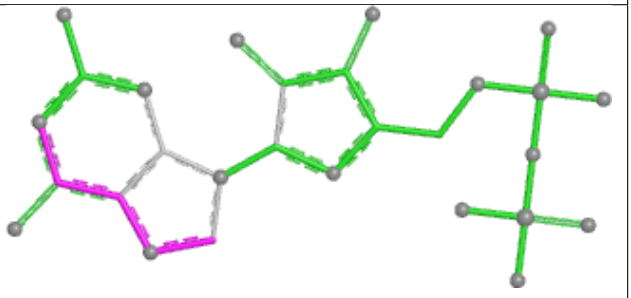

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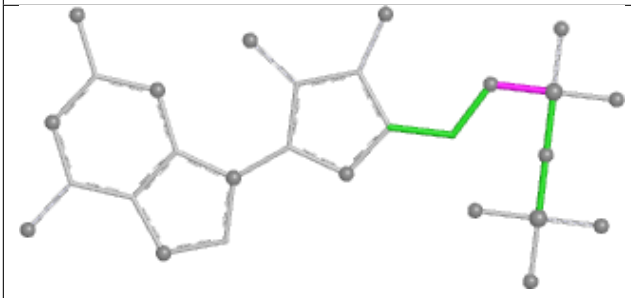

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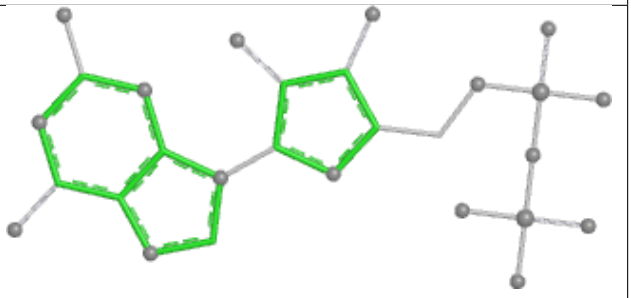

Rings

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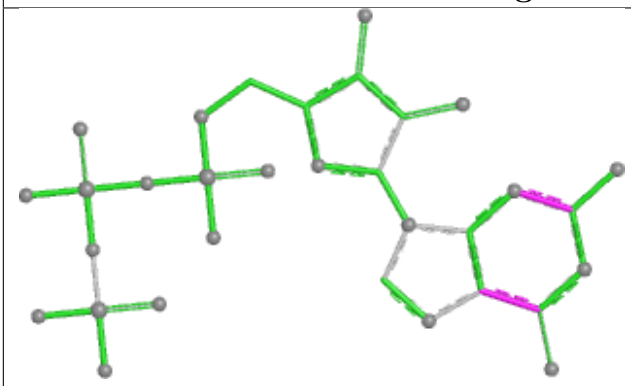

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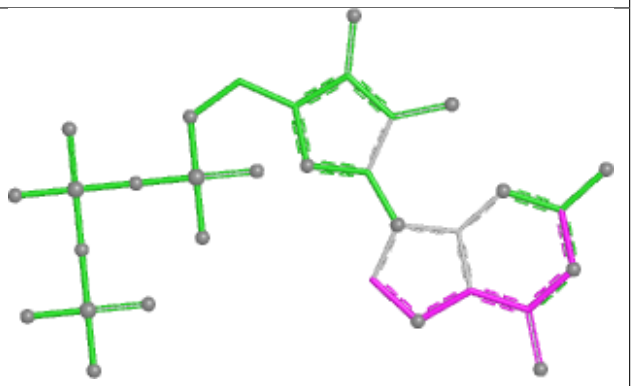

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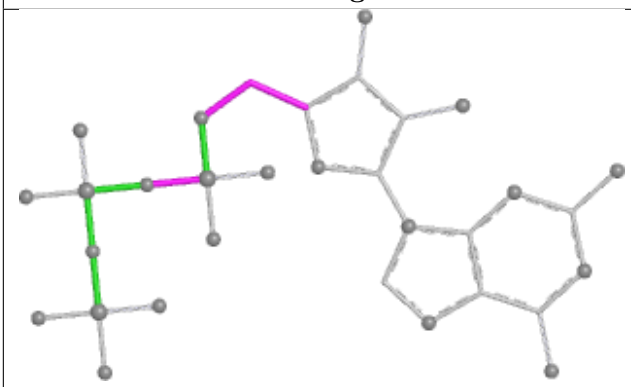

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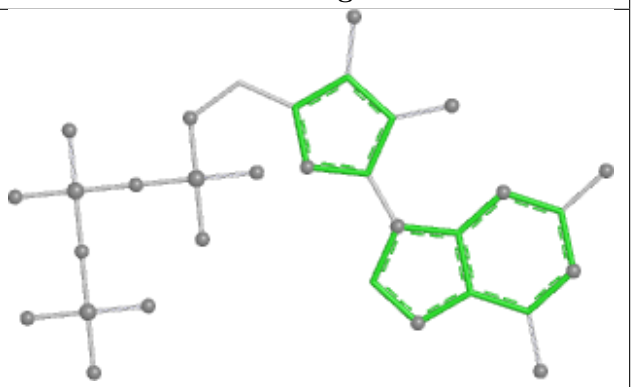

Rings

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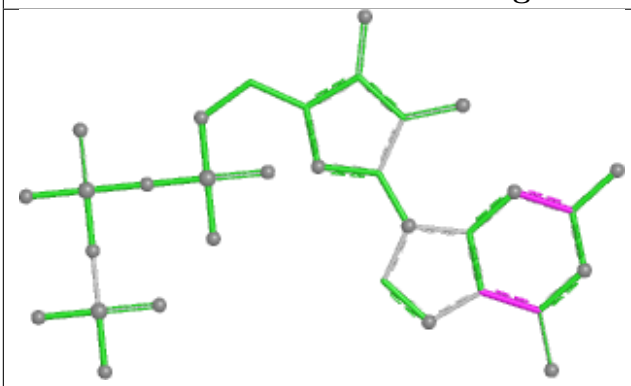

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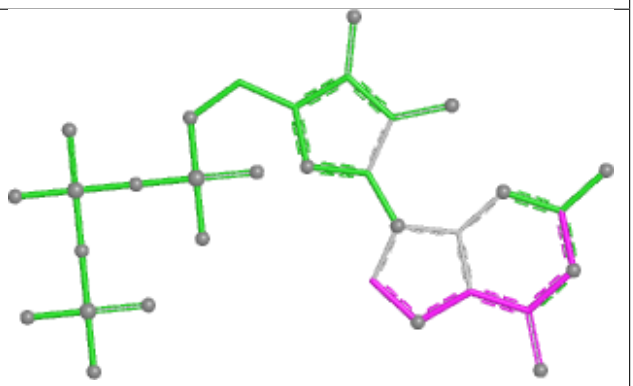

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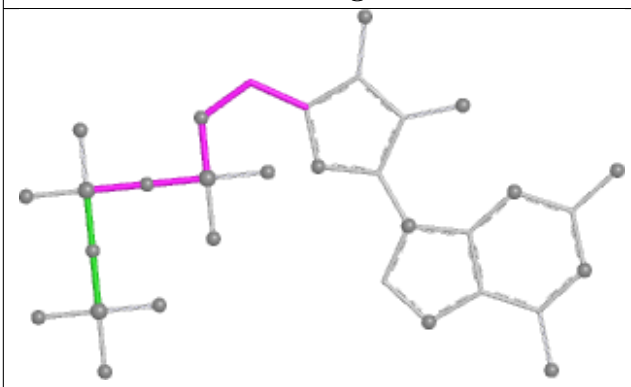

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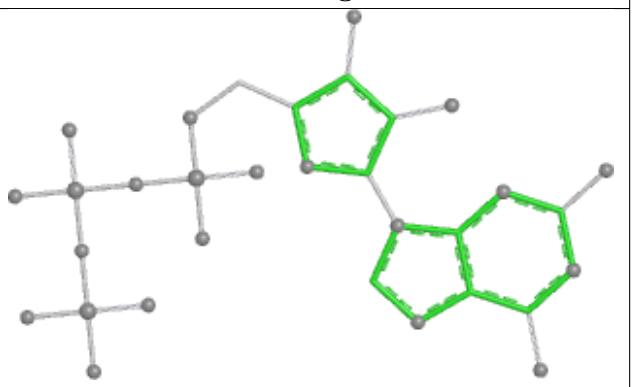

Rings

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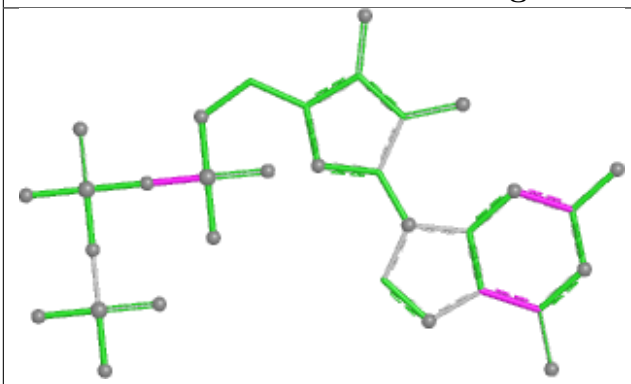

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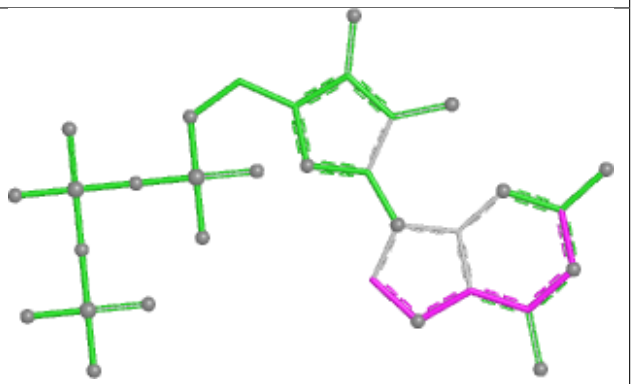

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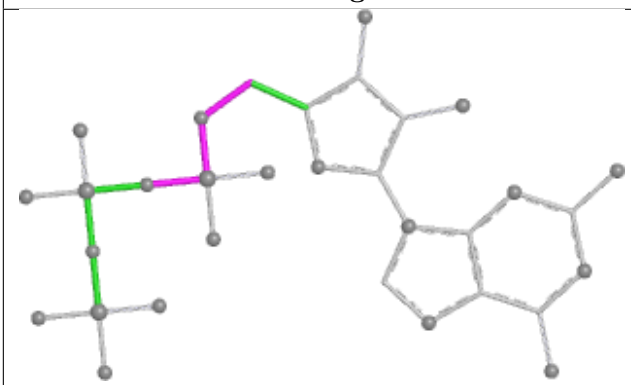
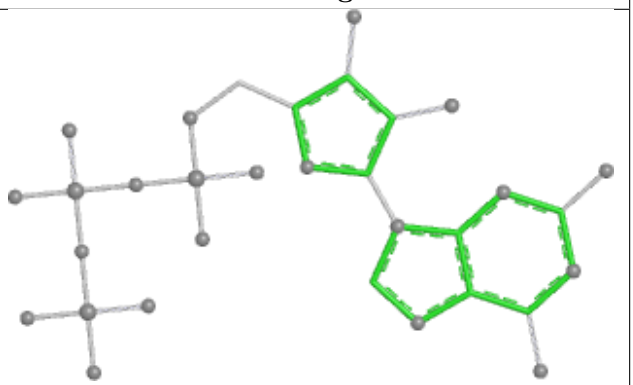
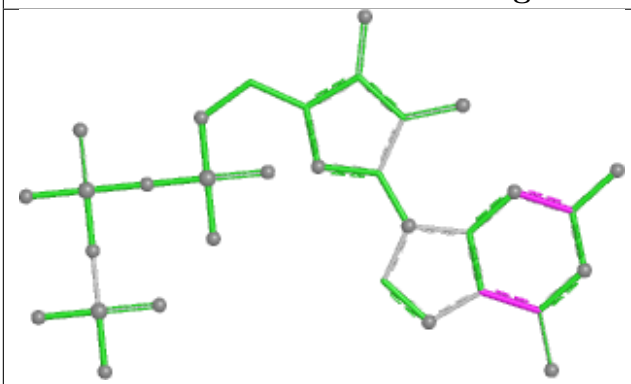


Torsions



Rings

Ligand GTP 0Q 502



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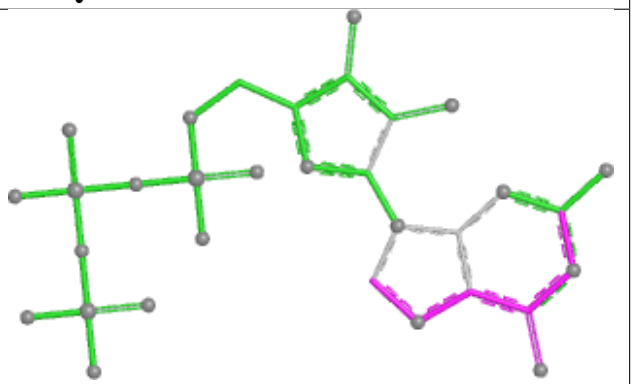

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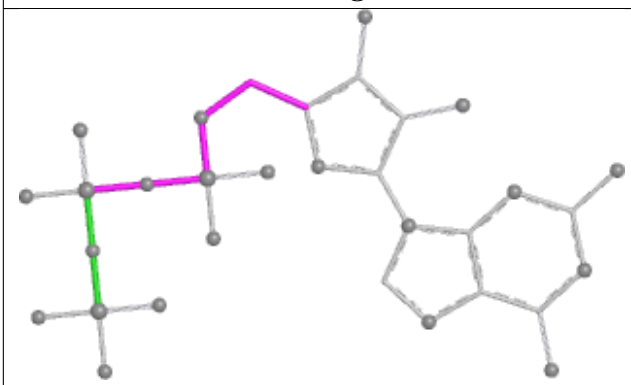

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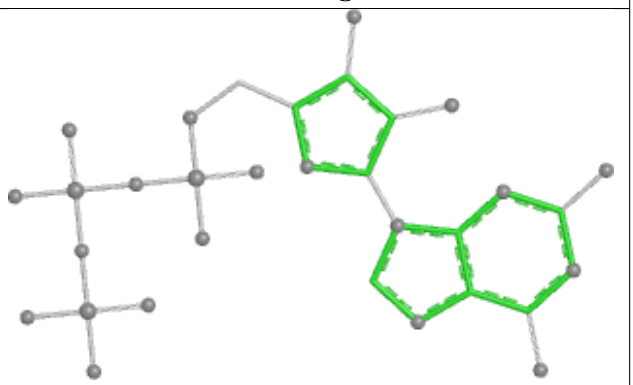
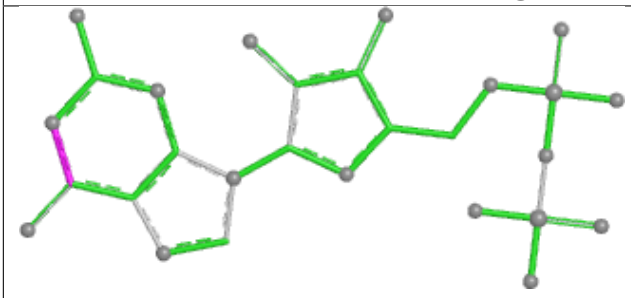
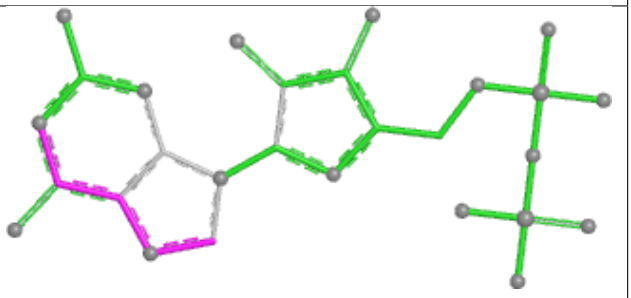
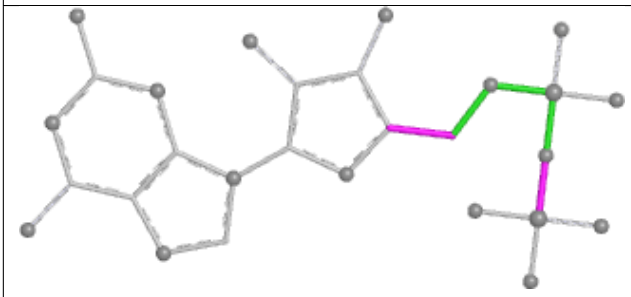
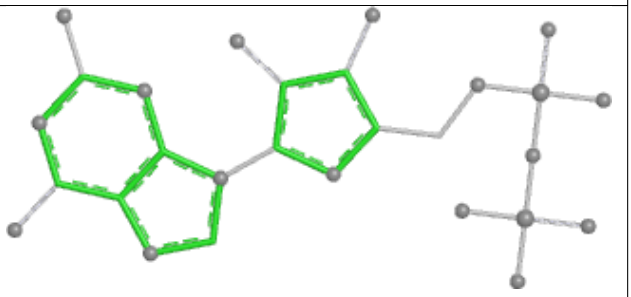
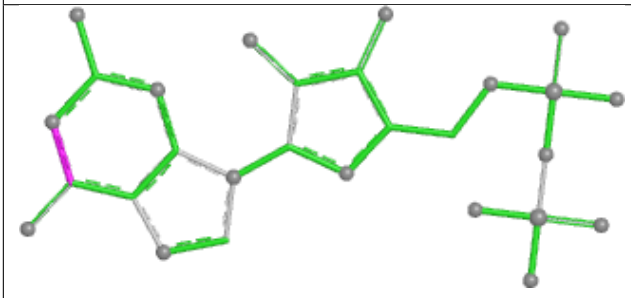
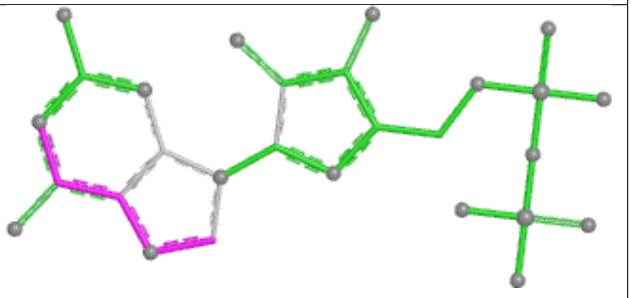
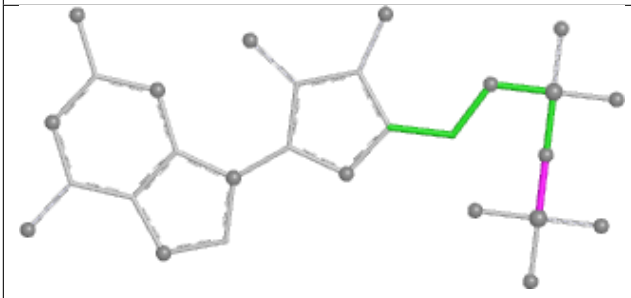
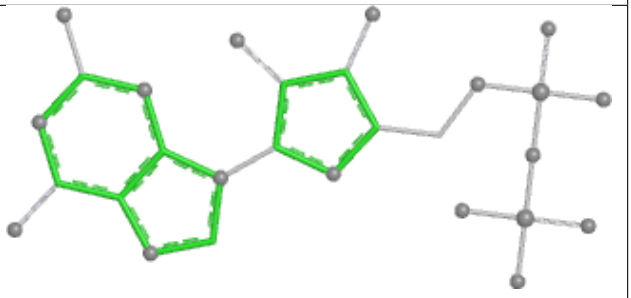


Rings

Ligand GDP EL 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Ct 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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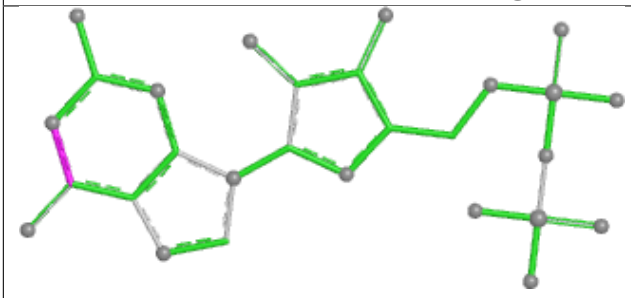
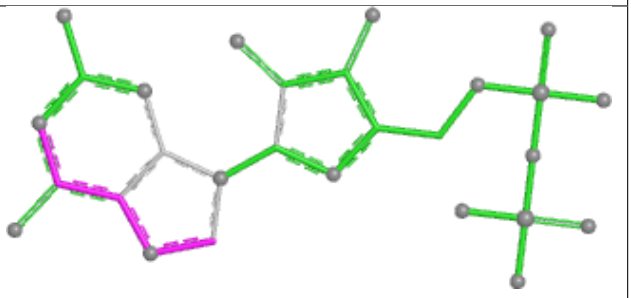
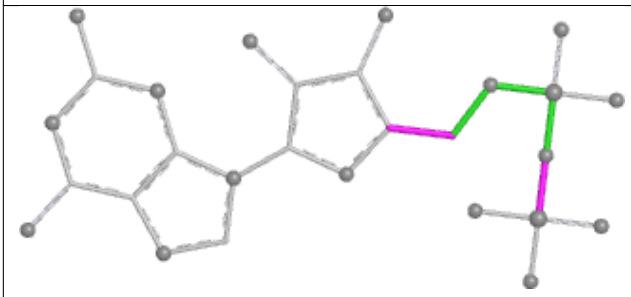
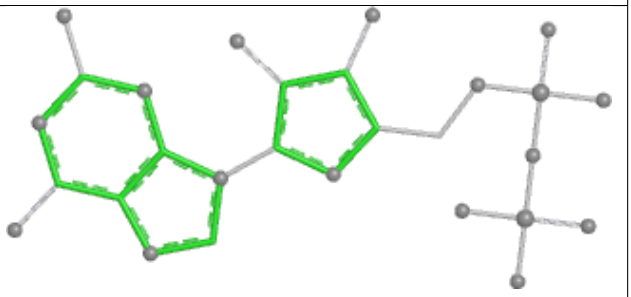
 Bond lengths	 Bond angles
 Torsions	 Rings

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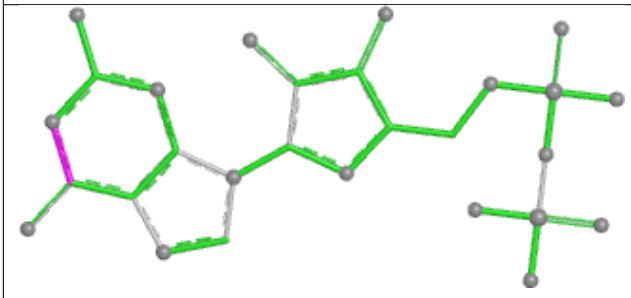
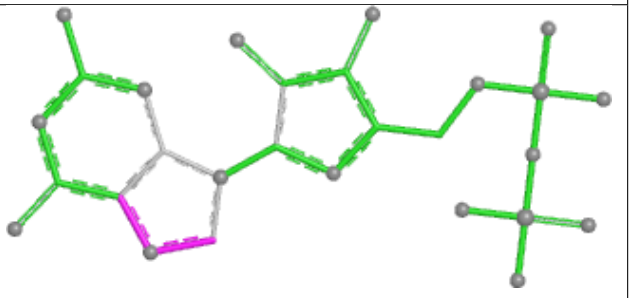
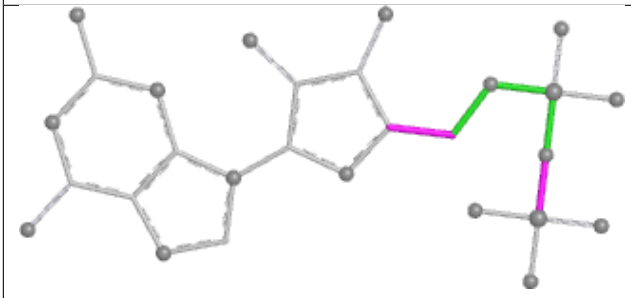
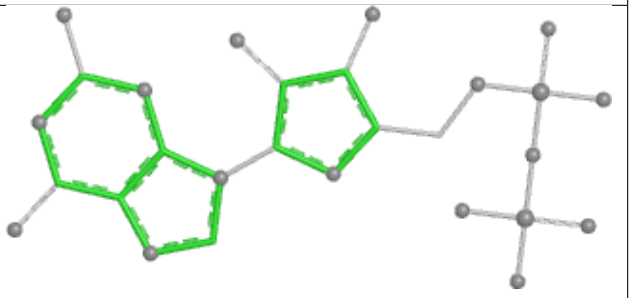
 Bond lengths	 Bond angles
 Torsions	 Rings

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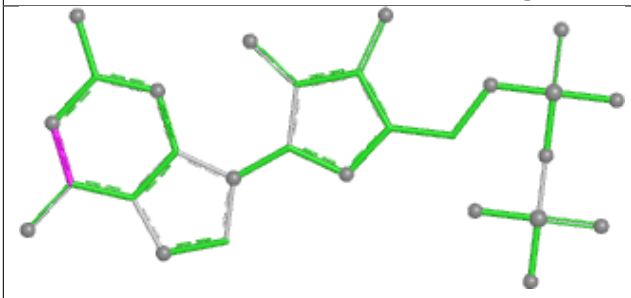
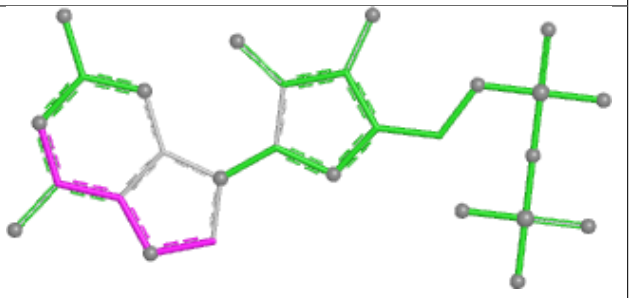
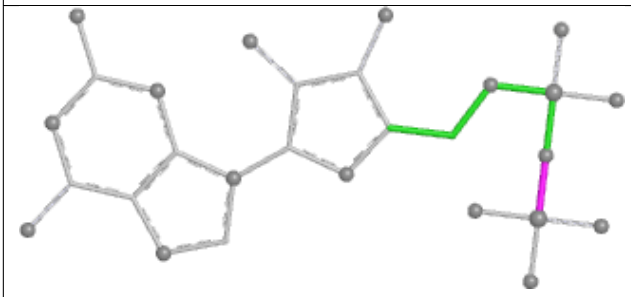
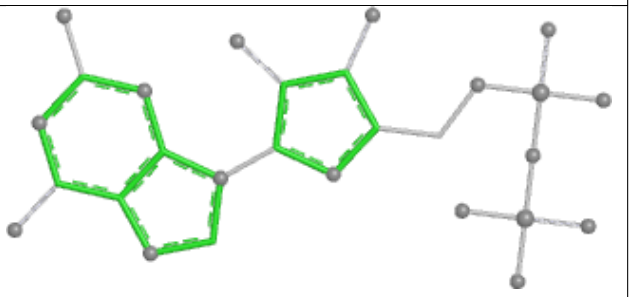
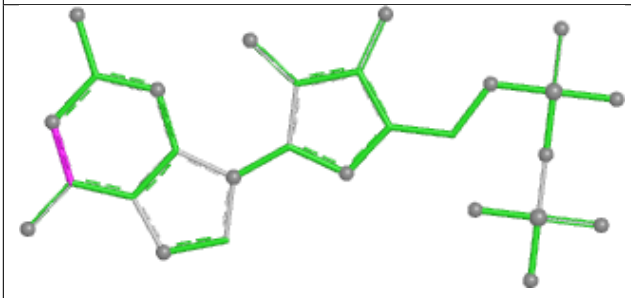
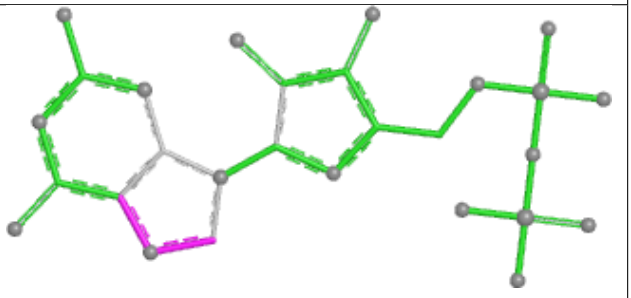
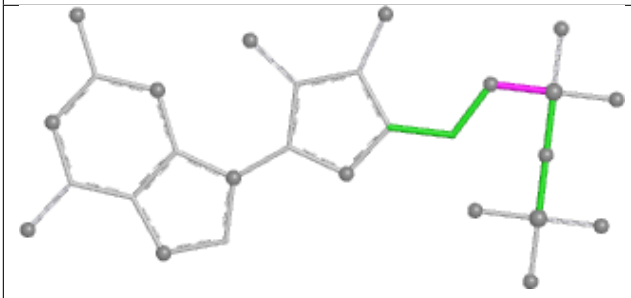
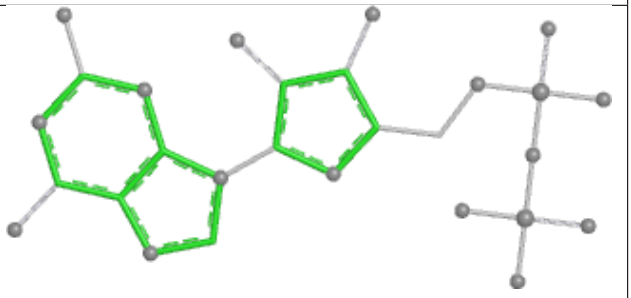
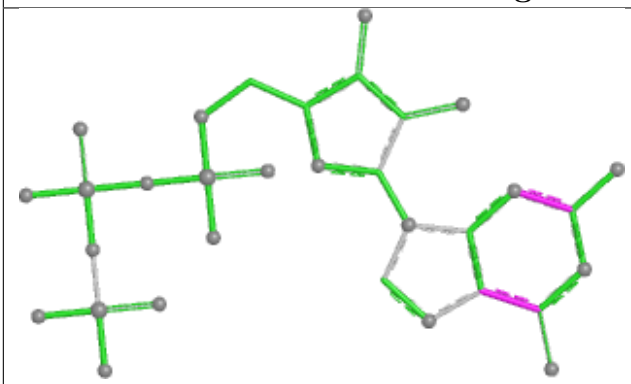
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Q0 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP T4 501



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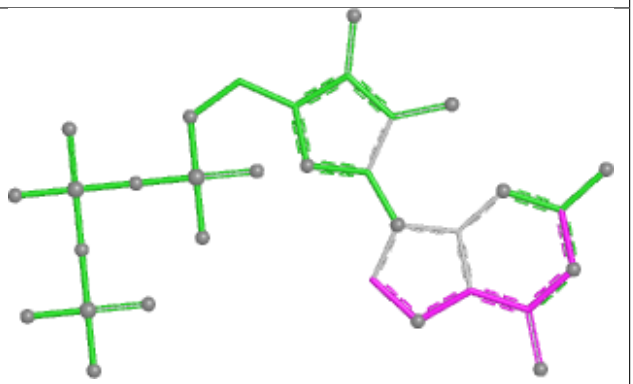

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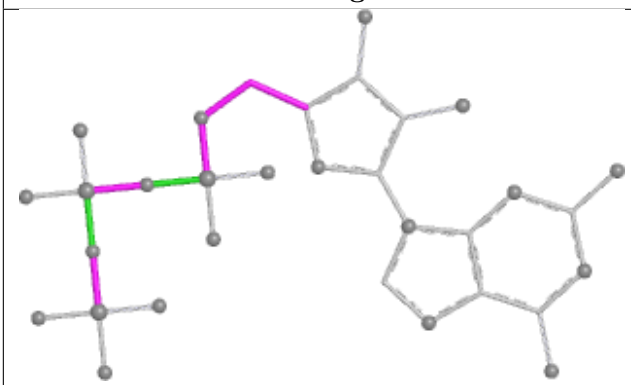

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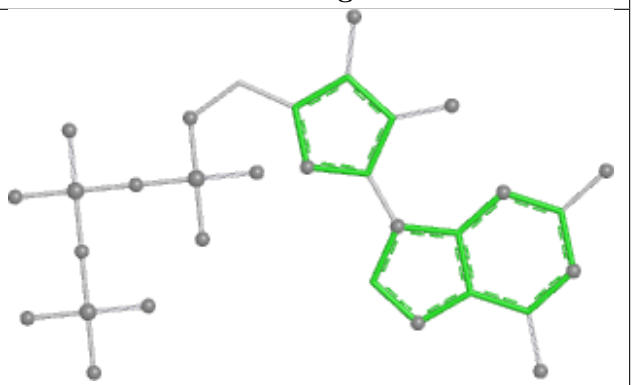
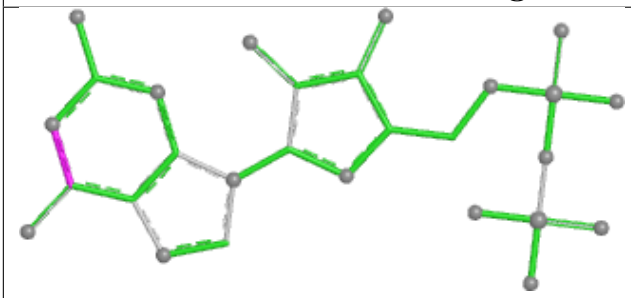


Rings

Ligand GDP 0M 502



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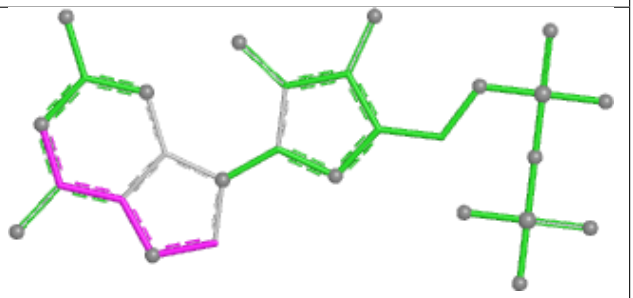

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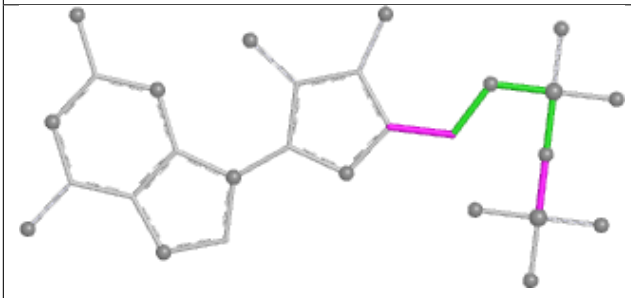

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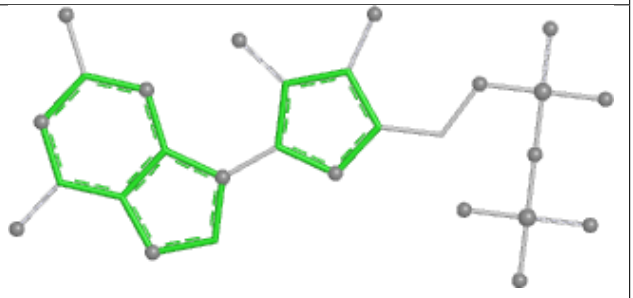
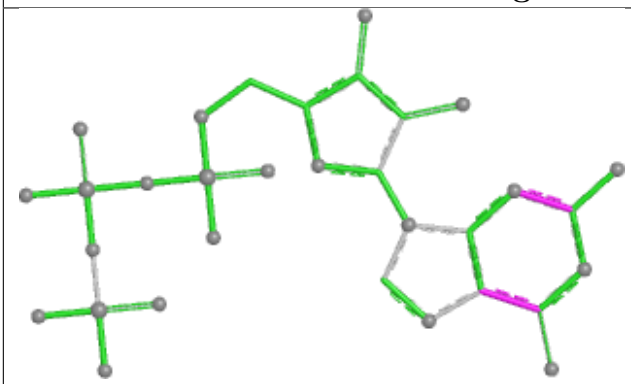


Rings

Ligand GTP 2U 501



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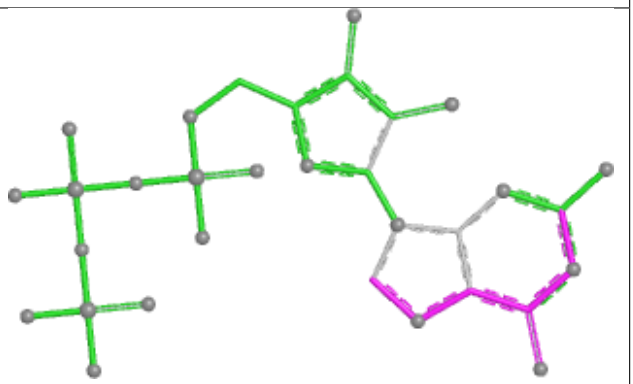

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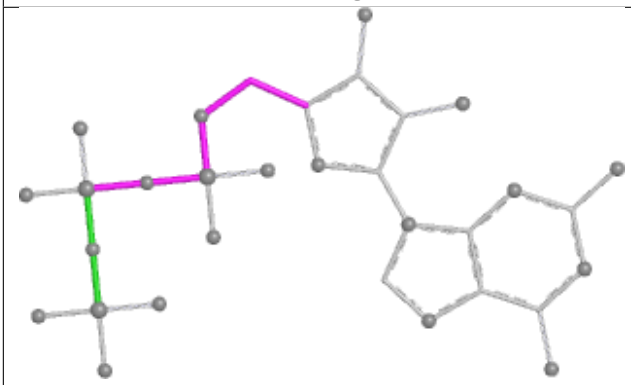

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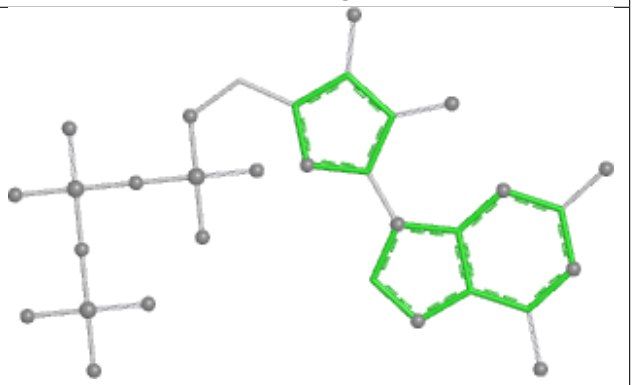
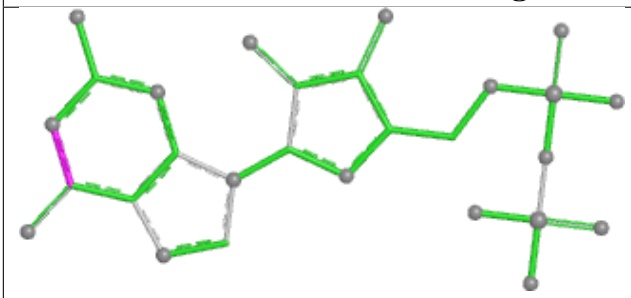


Rings

Ligand GDP MI 501



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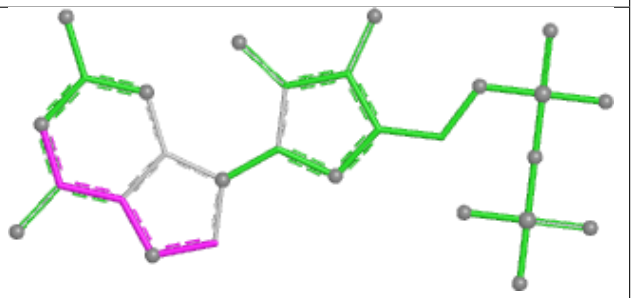

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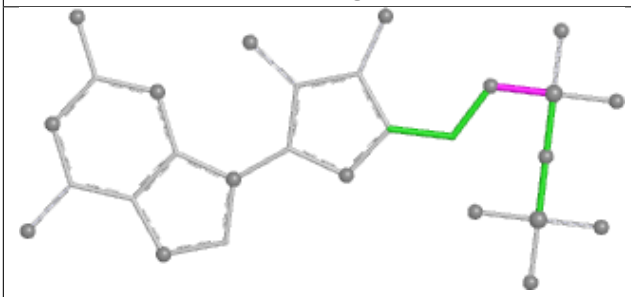

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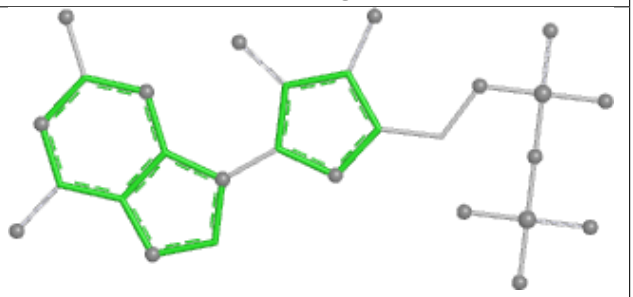
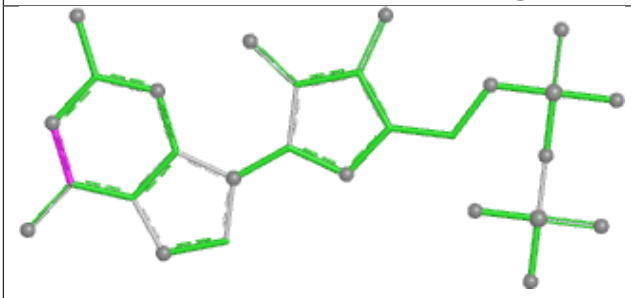


Rings

Ligand GDP U6 502



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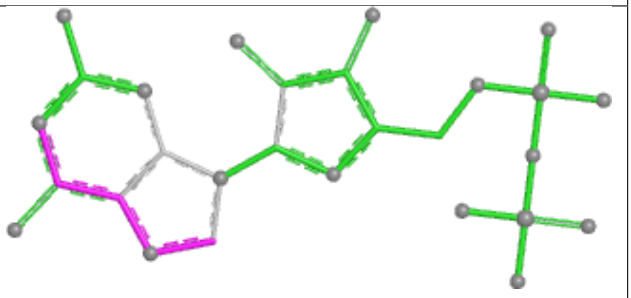

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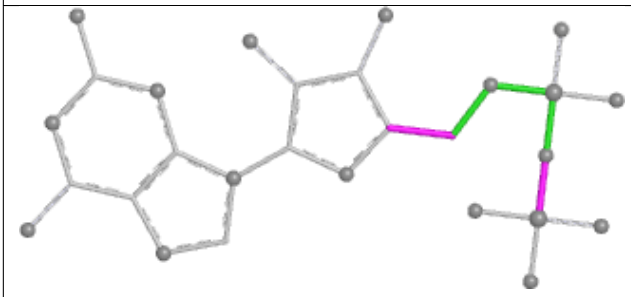

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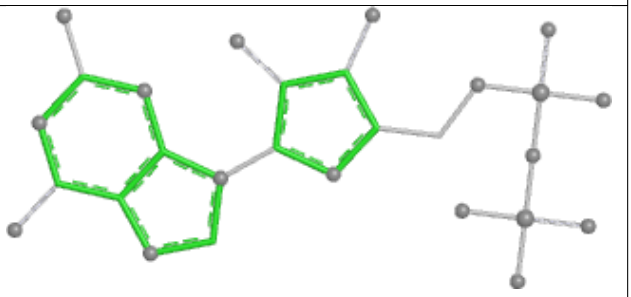
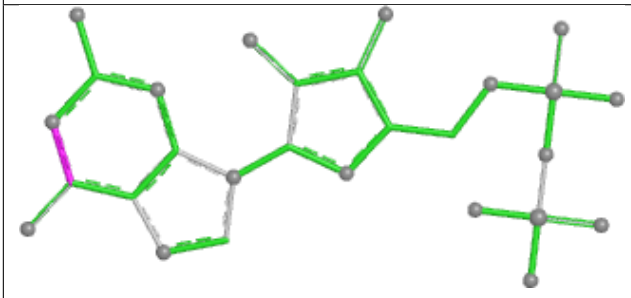


Rings

Ligand GDP An 502



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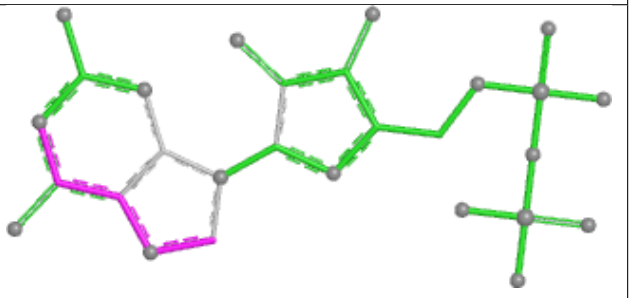

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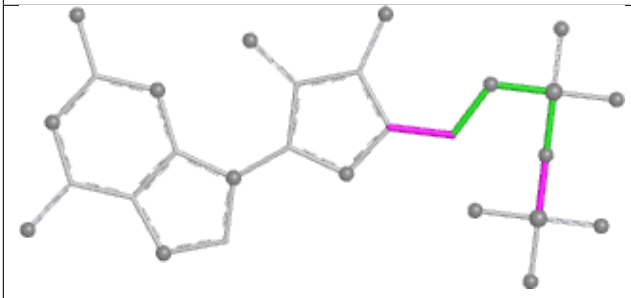

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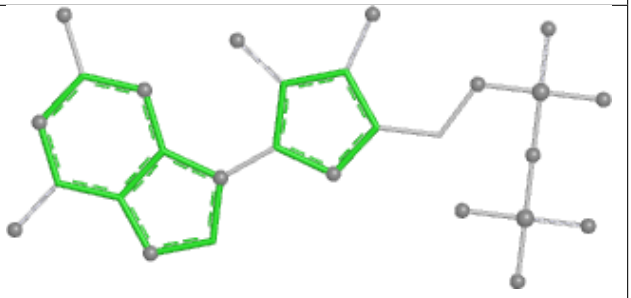
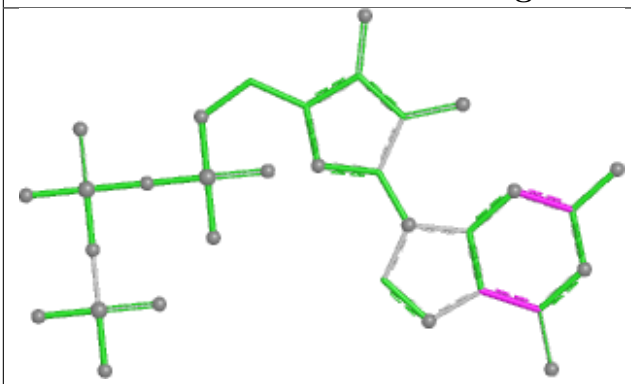


Rings

Ligand GTP E1 501



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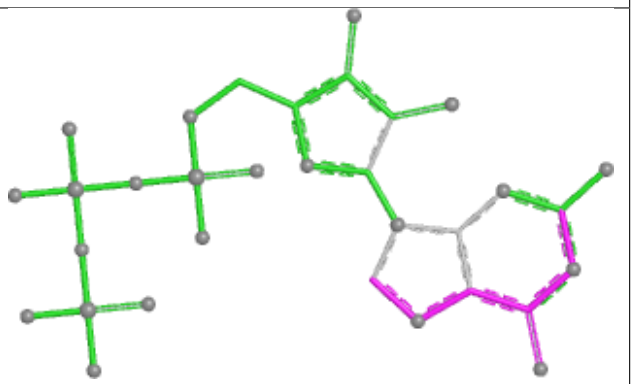

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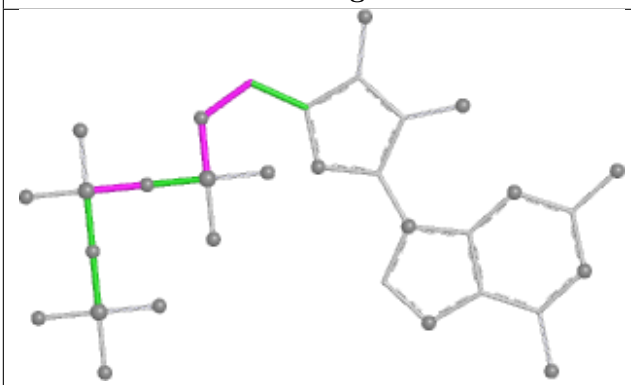
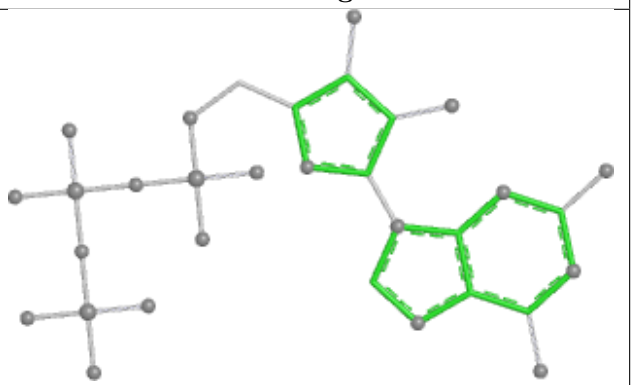
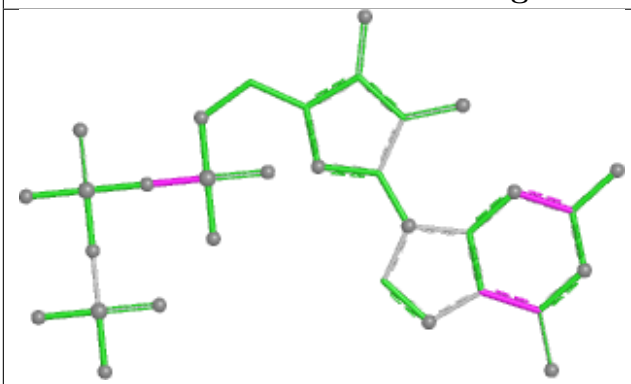


Torsions



Rings

Ligand GTP AT 501



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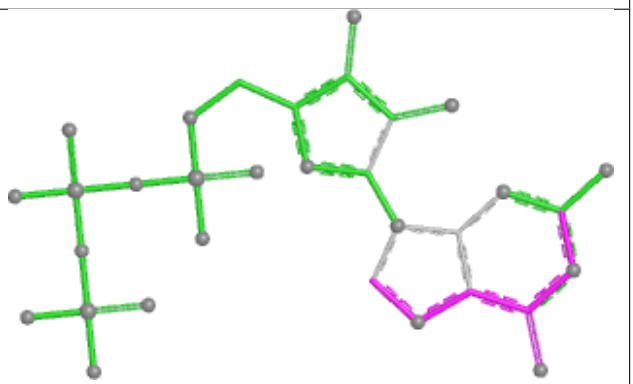

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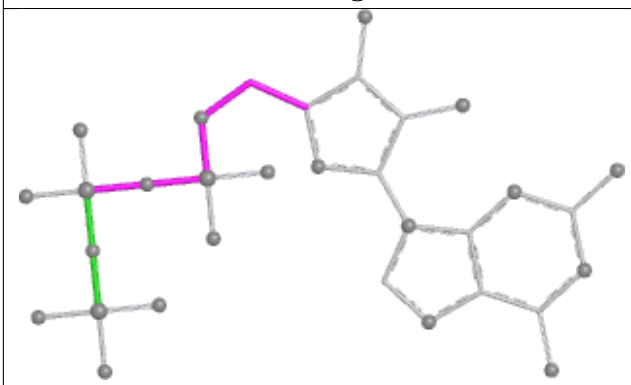

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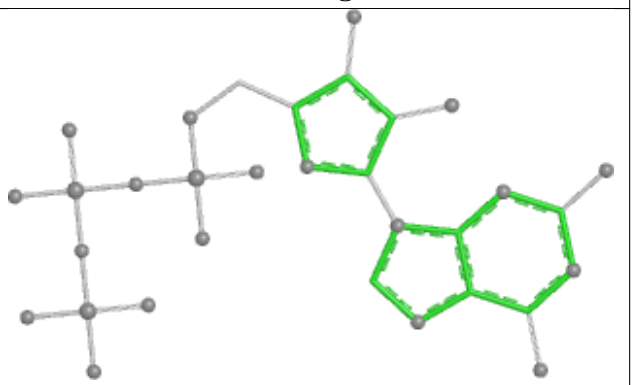
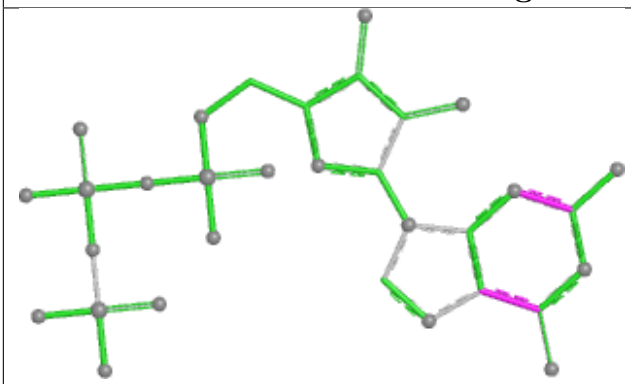


Rings

Ligand GTP Dt 501



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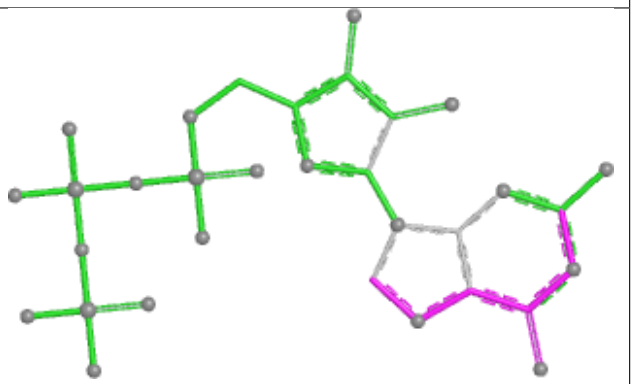

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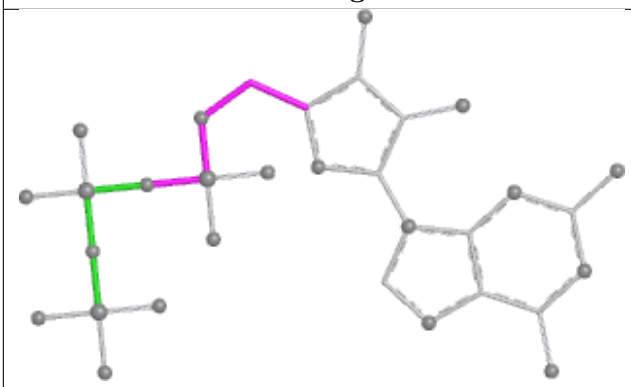

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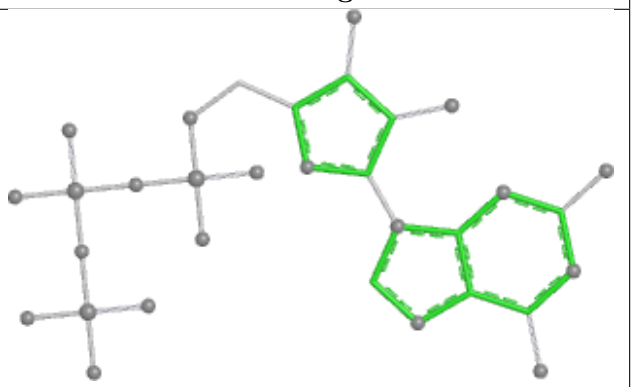
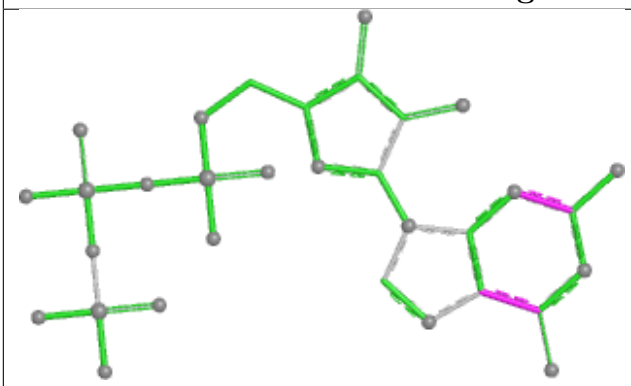


Rings

Ligand GTP Di 501



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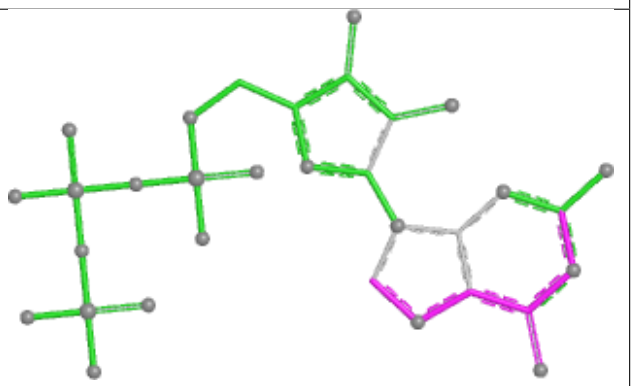

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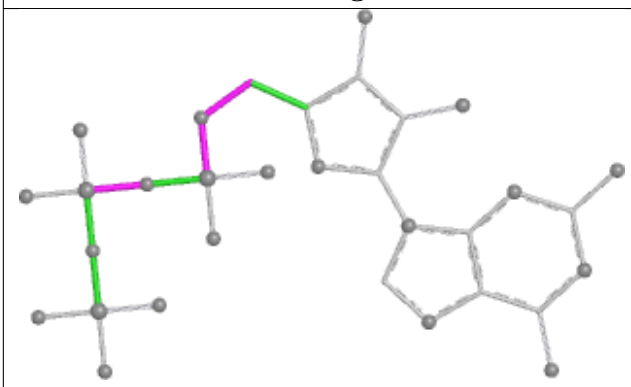

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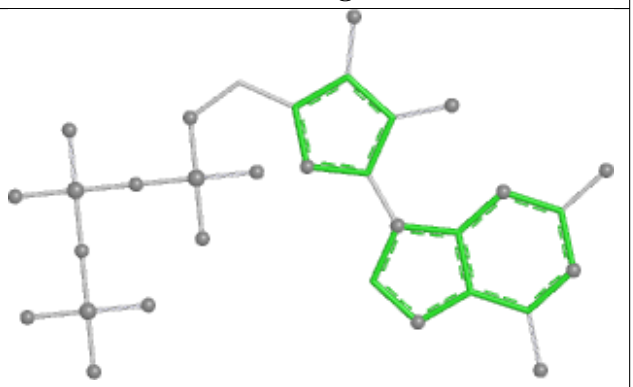
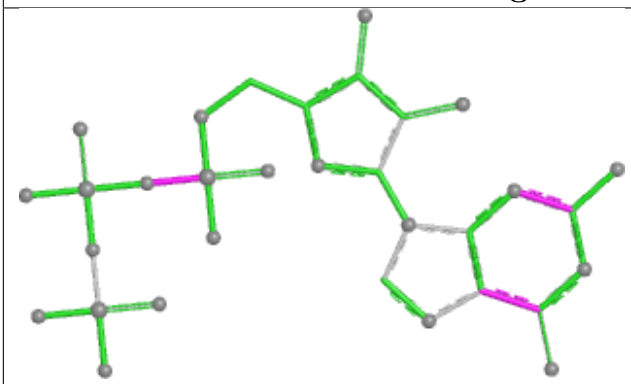


Rings

Ligand GTP EH 501



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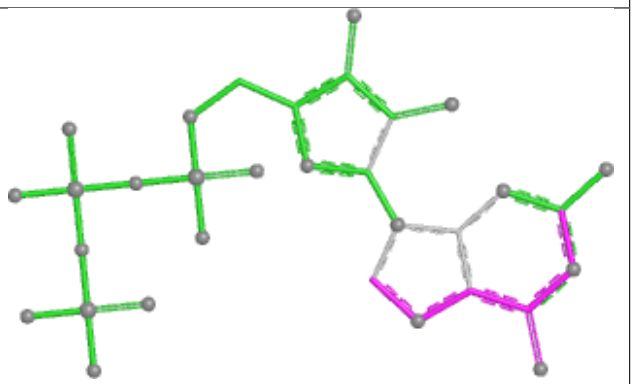

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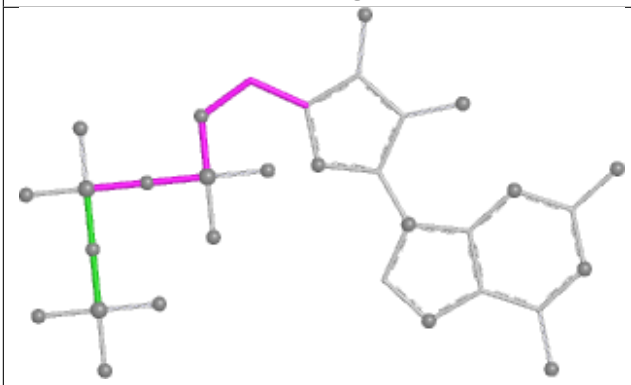

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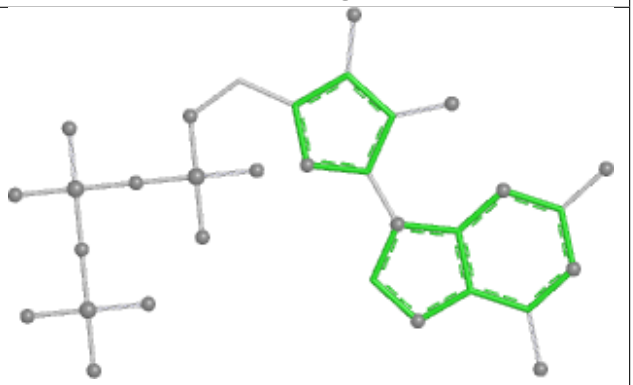
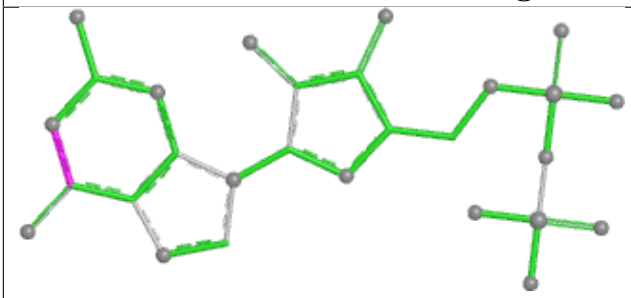


Rings

Ligand GDP Kl 502



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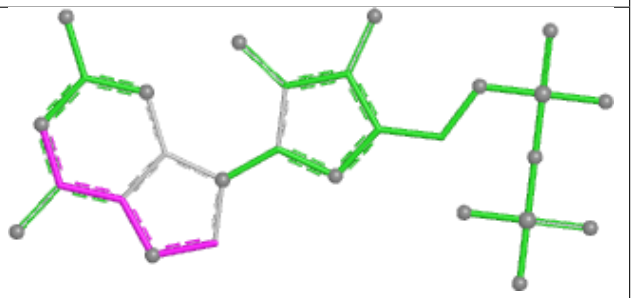

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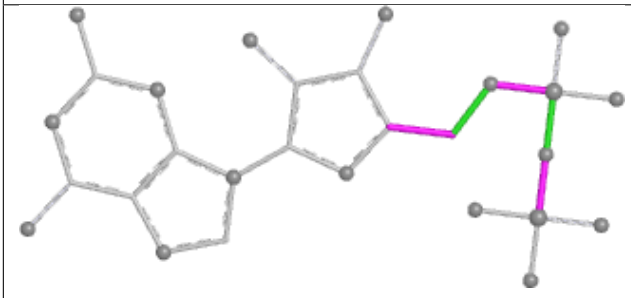

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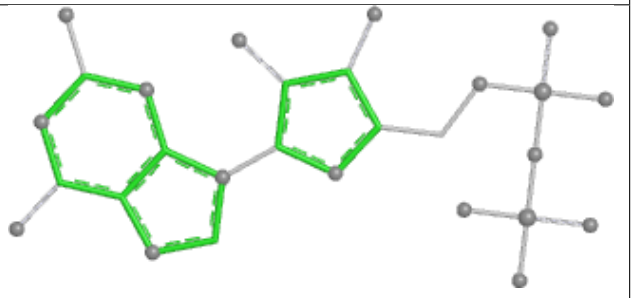
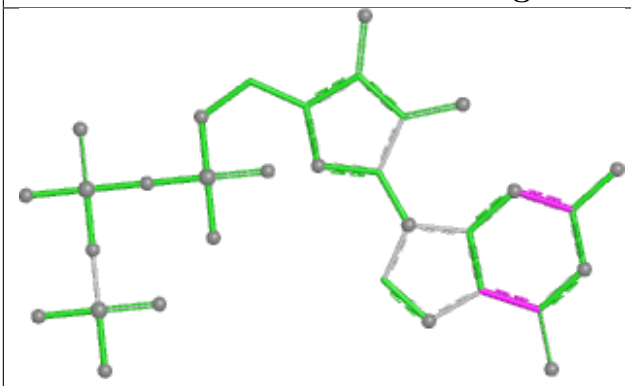


Rings

Ligand GTP X0 501



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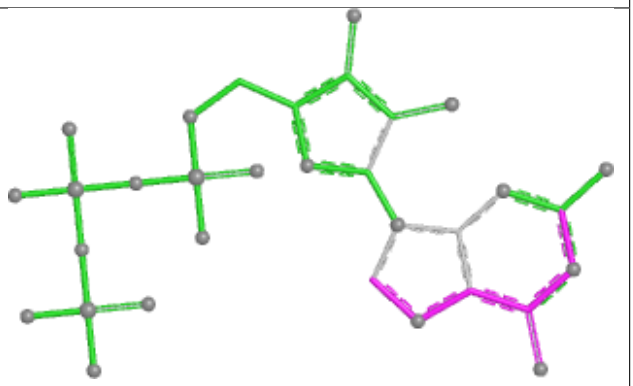

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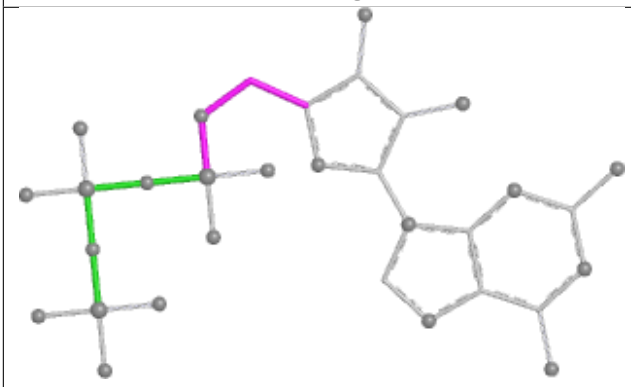

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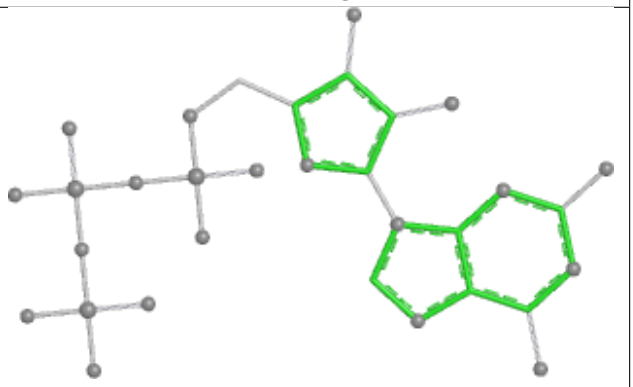
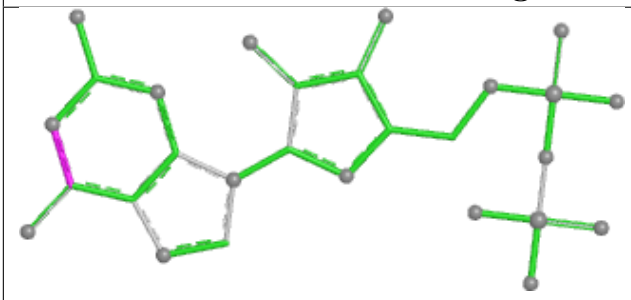


Rings

Ligand GDP 0Q 503



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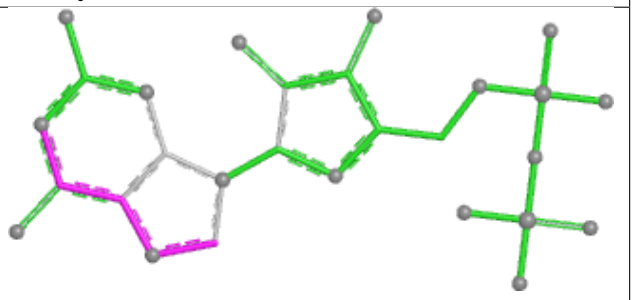

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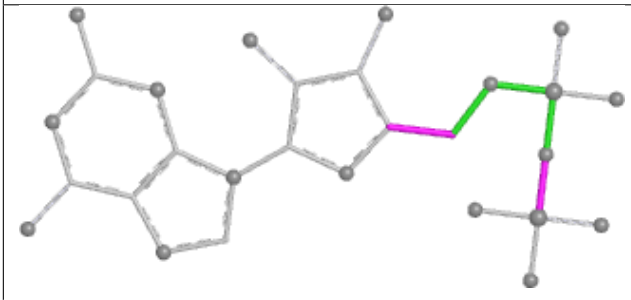

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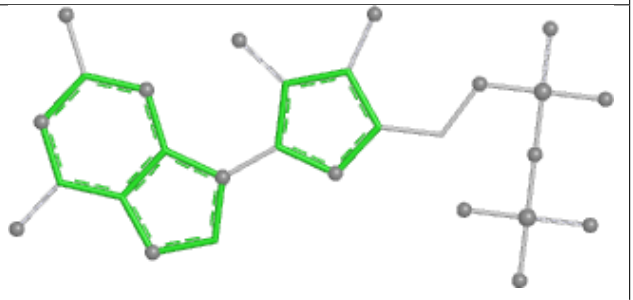
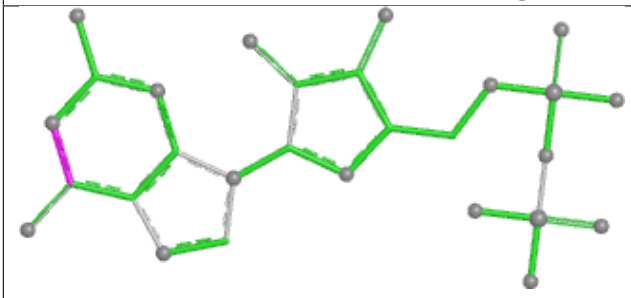


Rings

Ligand GDP Ce 501



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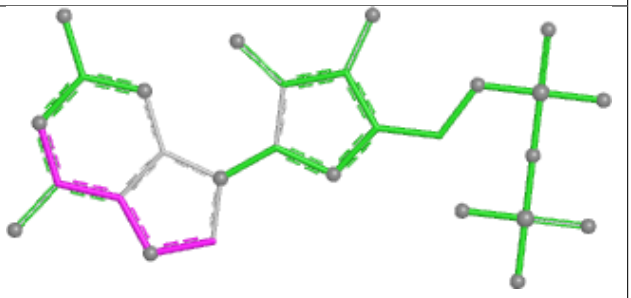

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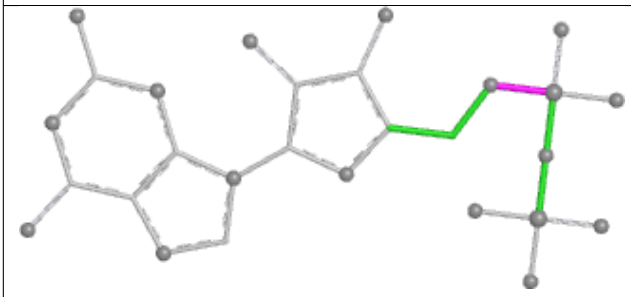

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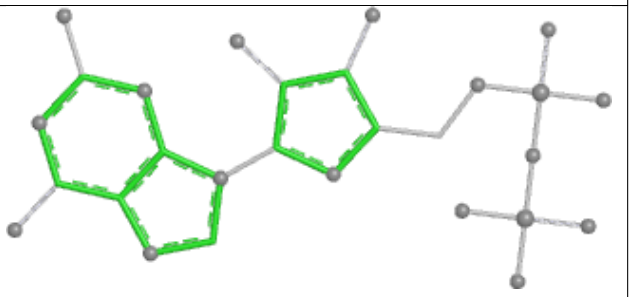
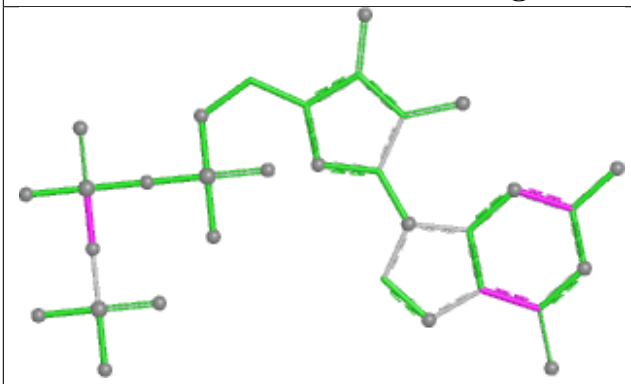


Rings

Ligand GTP EY 501



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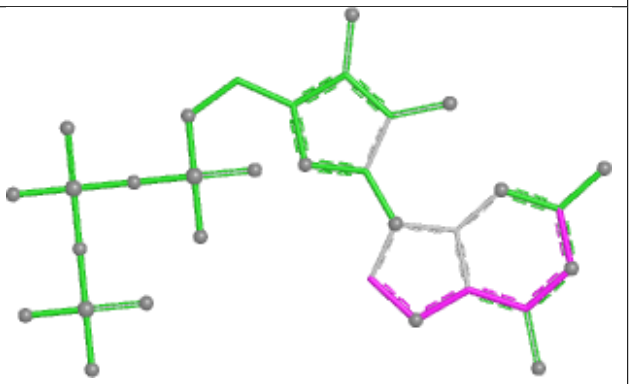

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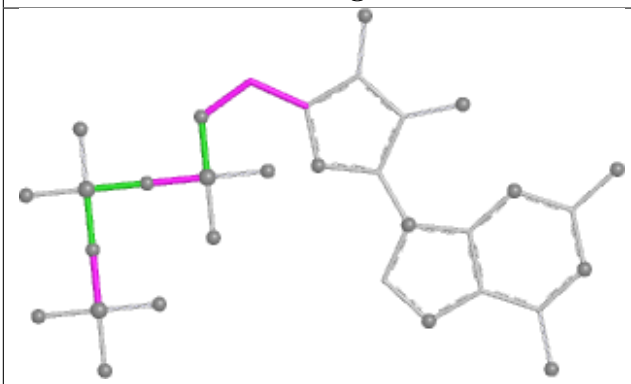

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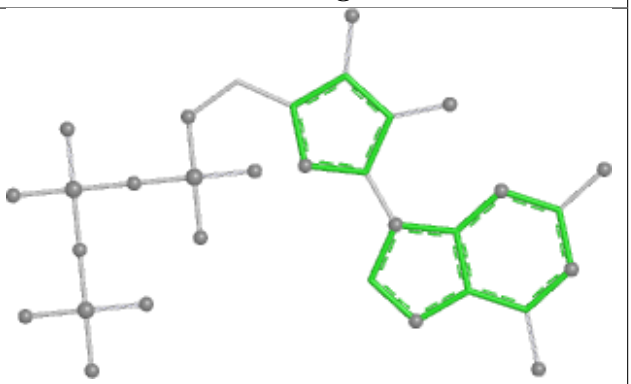
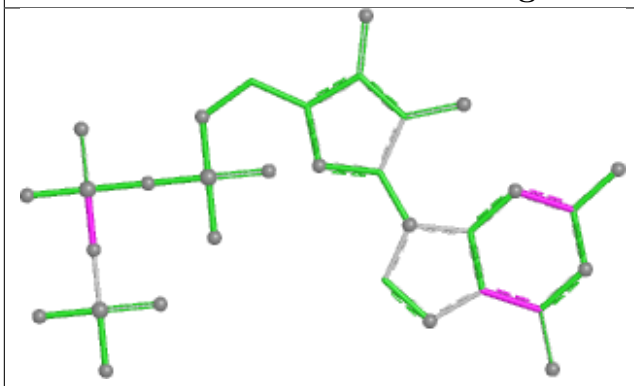


Rings

Ligand GTP J6 501



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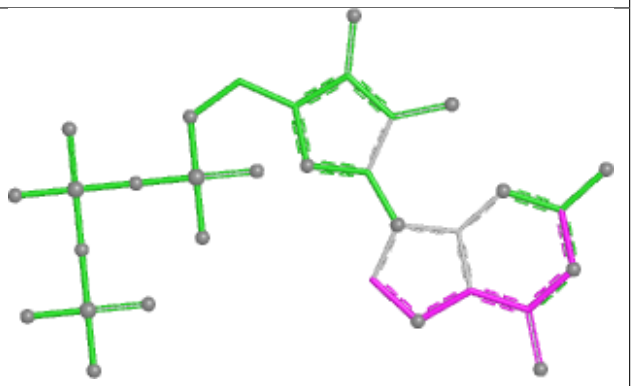

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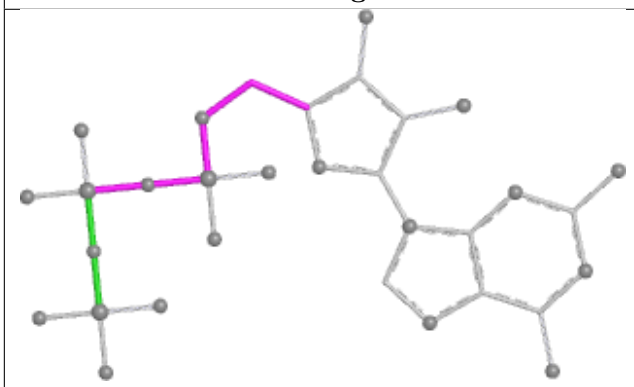

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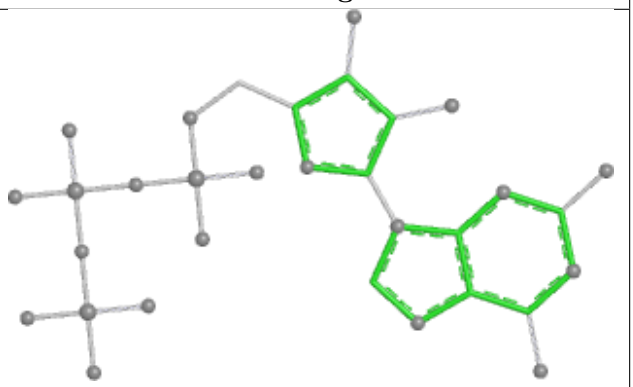
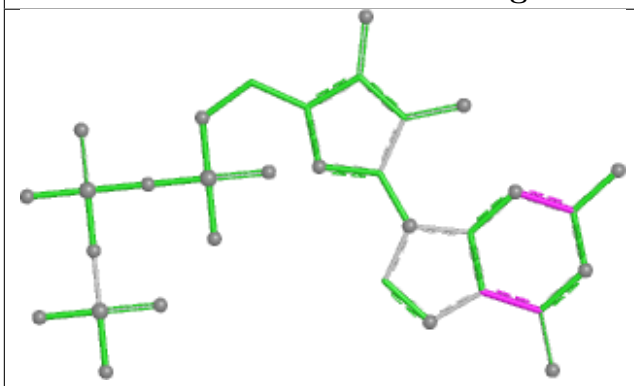


Rings

Ligand GTP CX 501



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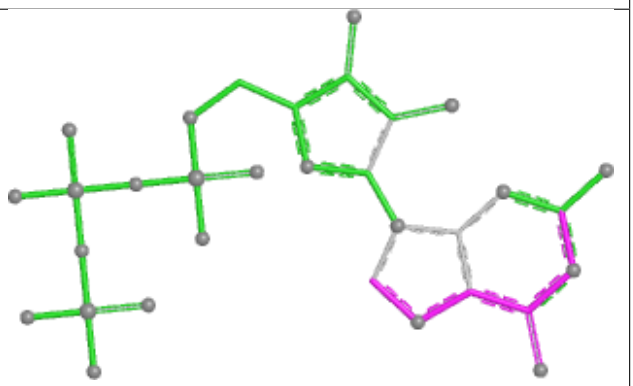
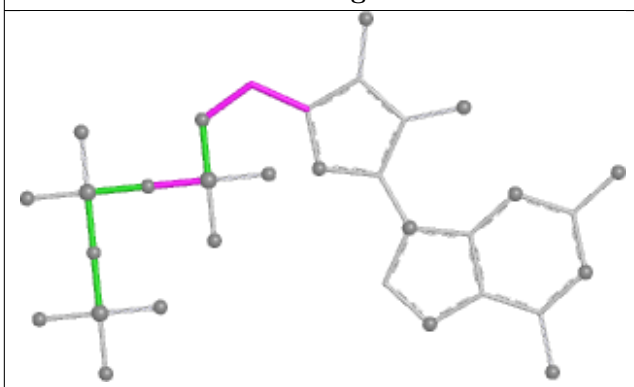


Bond angles



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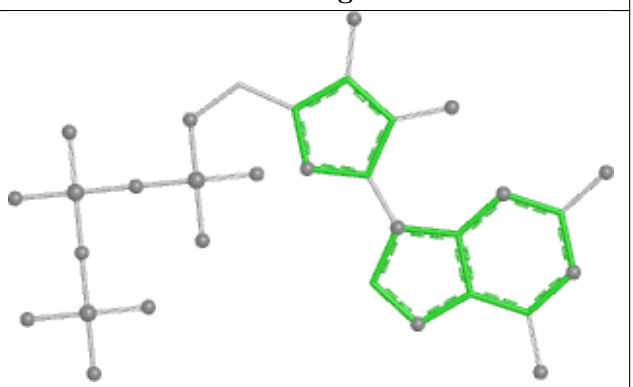
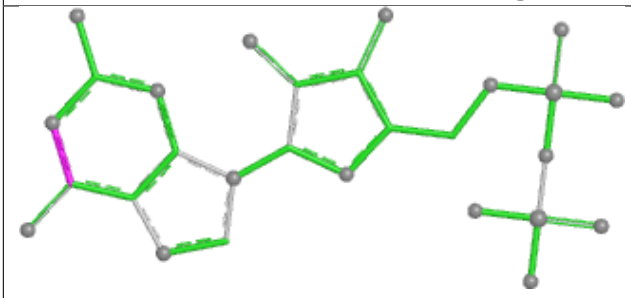
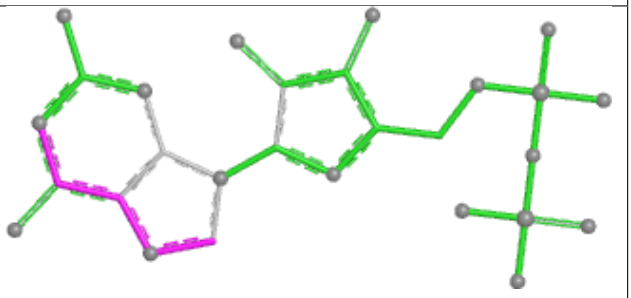
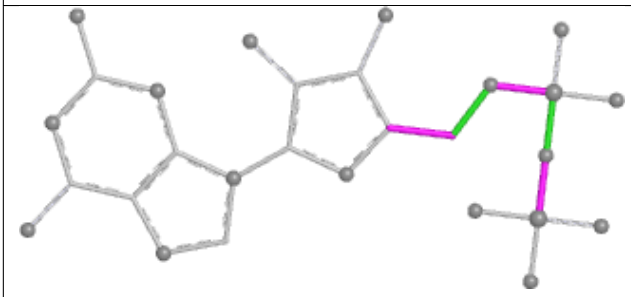
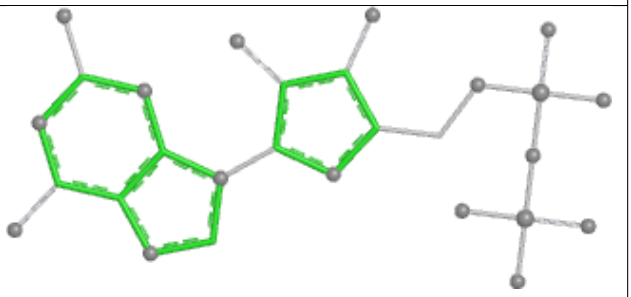
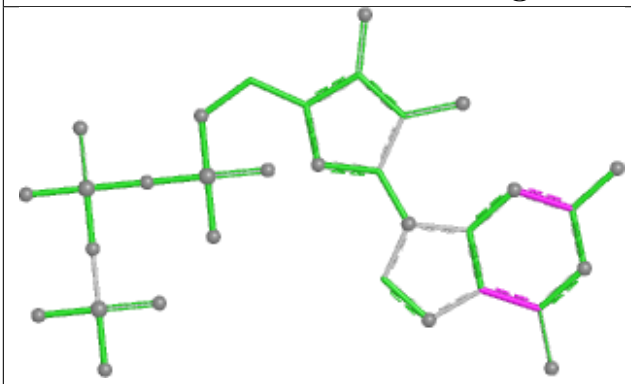
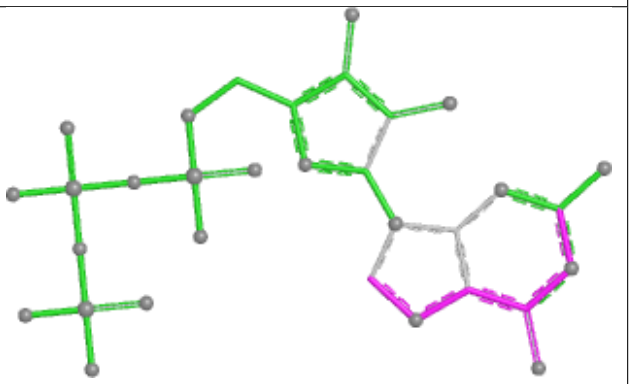
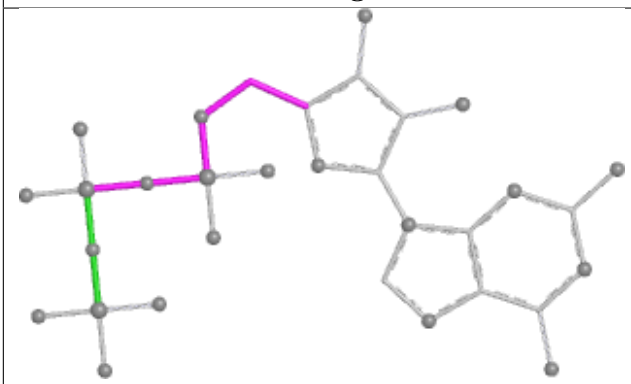
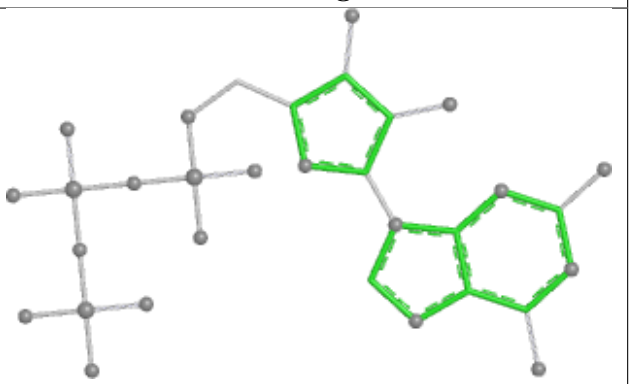
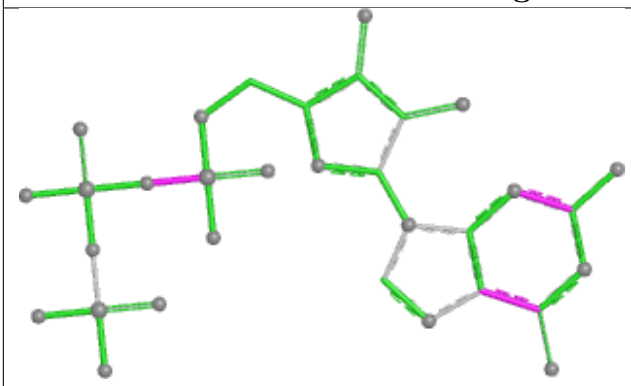


Rings

Ligand GDP 0U 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP LU 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP U2 501



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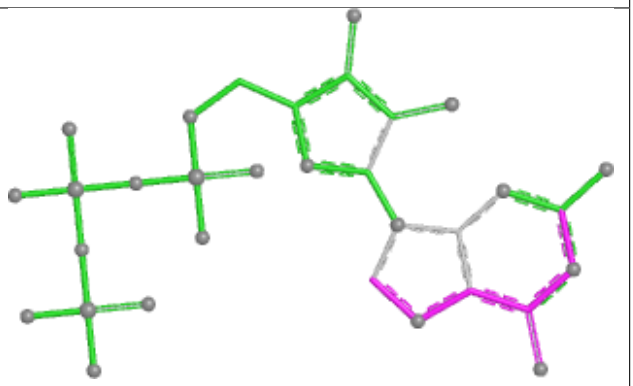

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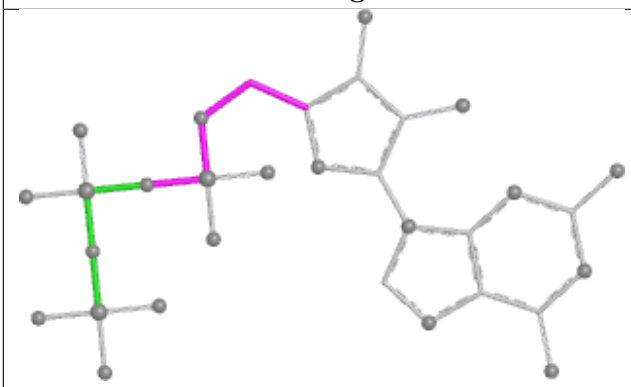

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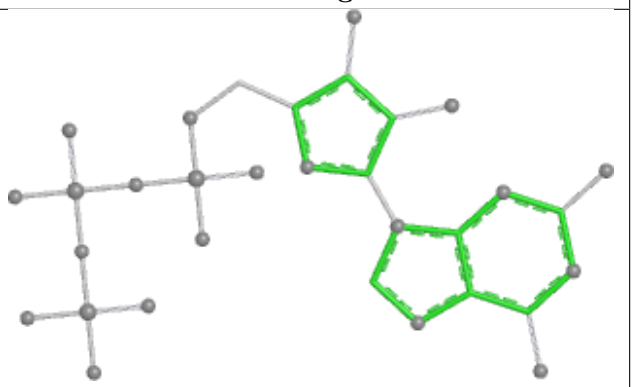
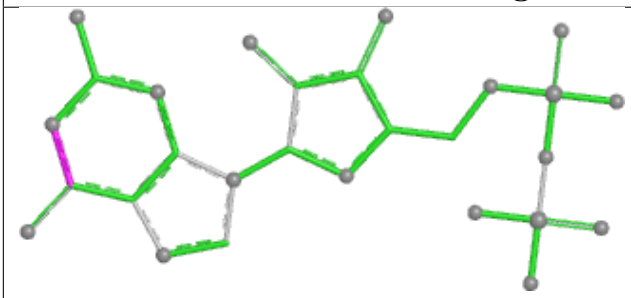


Rings

Ligand GDP Mi 501



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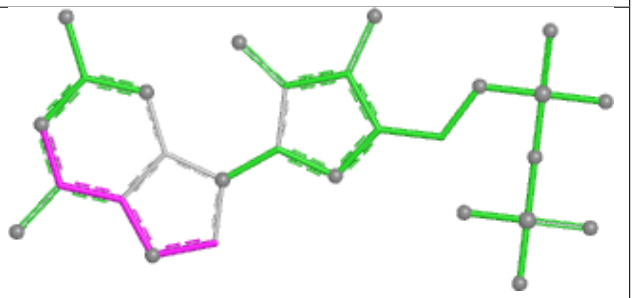

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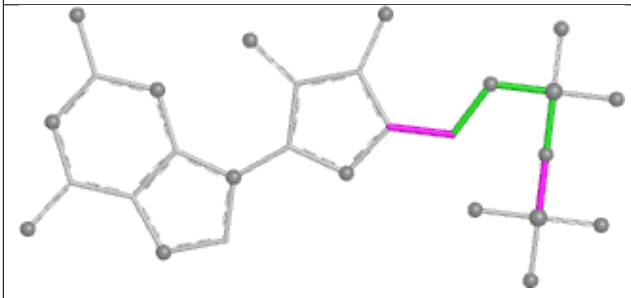

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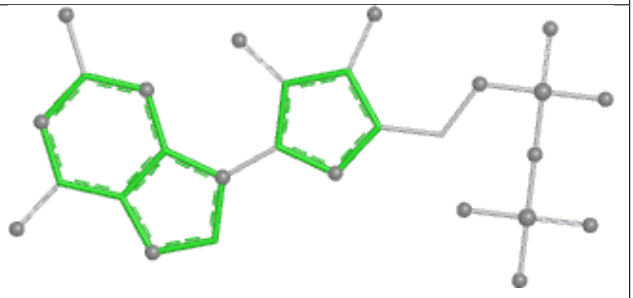

Rings

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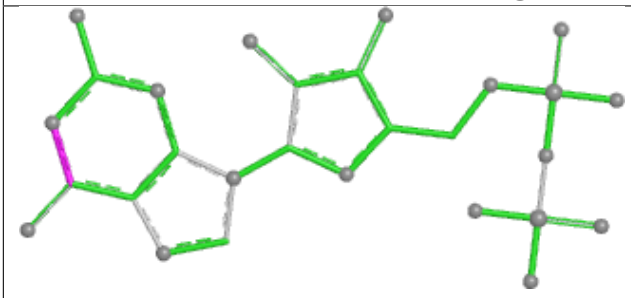
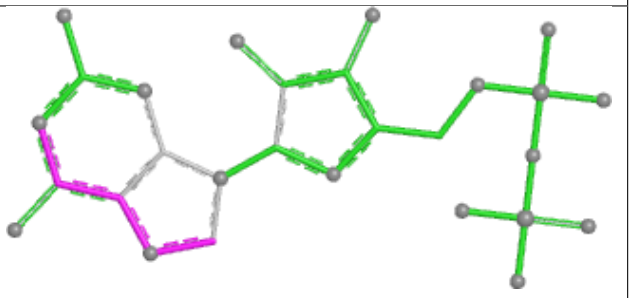
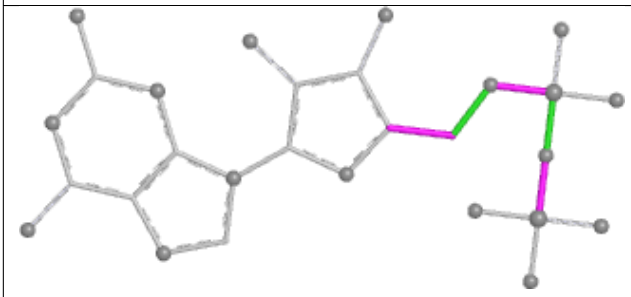
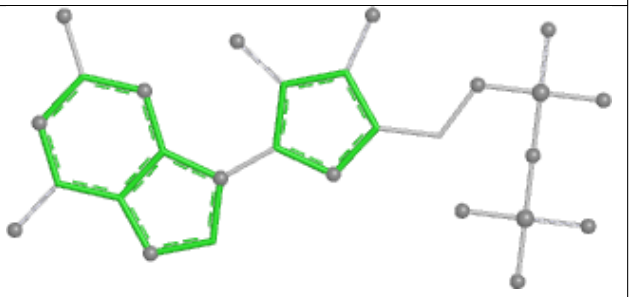
 Bond lengths	 Bond angles
 Torsions	 Rings

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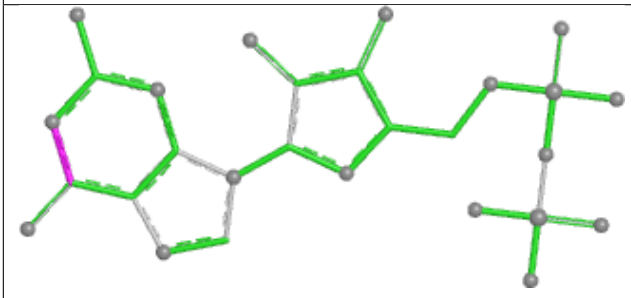
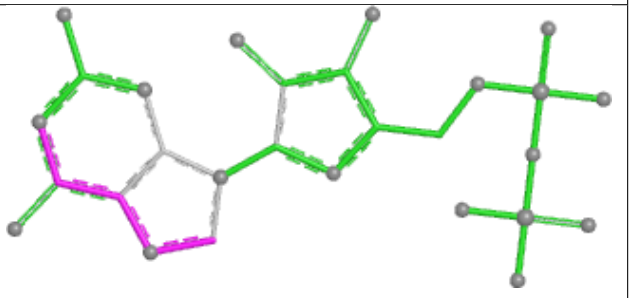
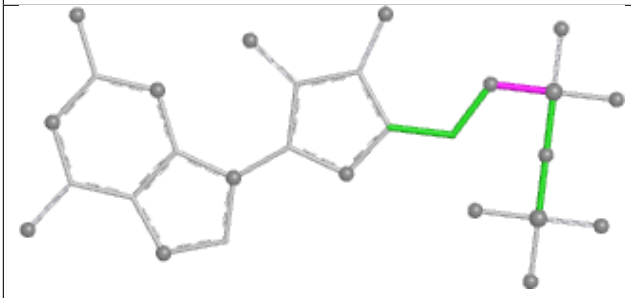
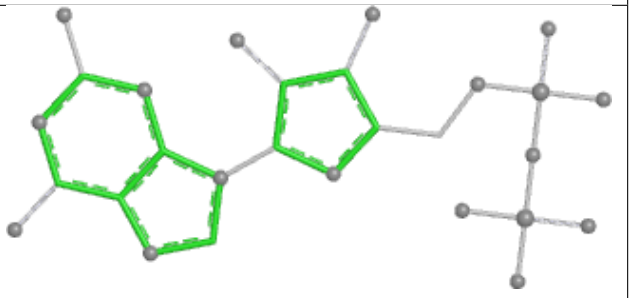
 Bond lengths	 Bond angles
 Torsions	 Rings

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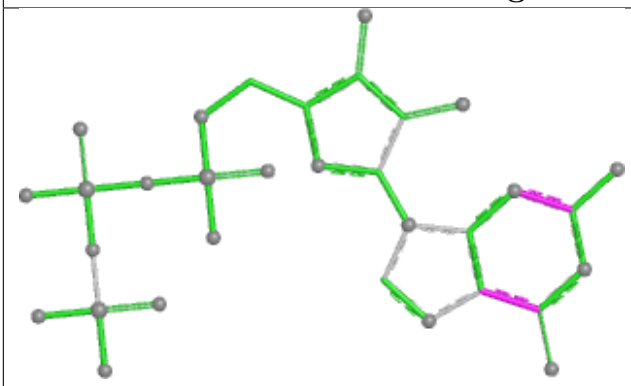

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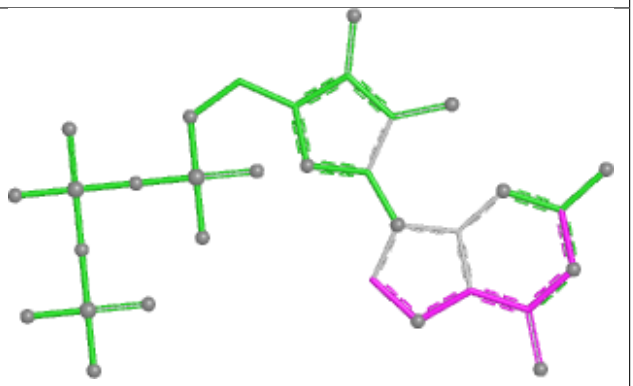

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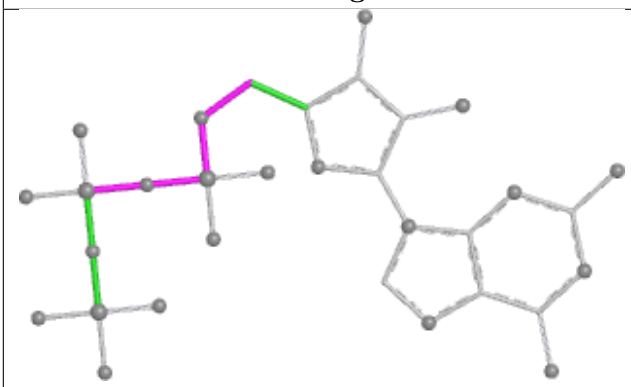

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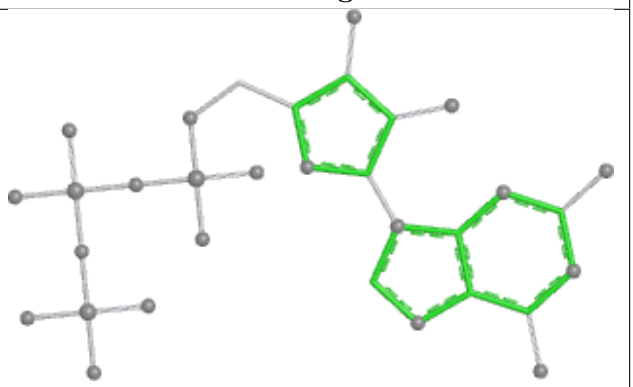

Rings

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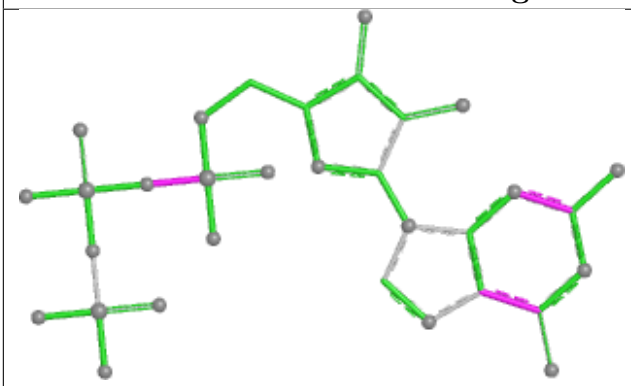

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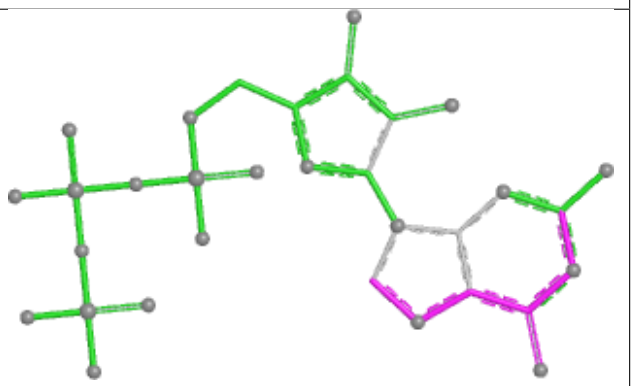

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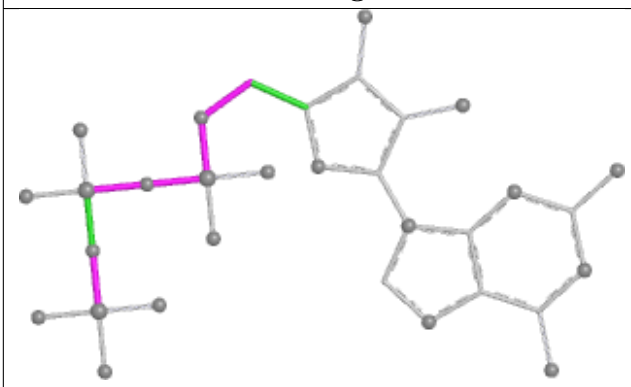

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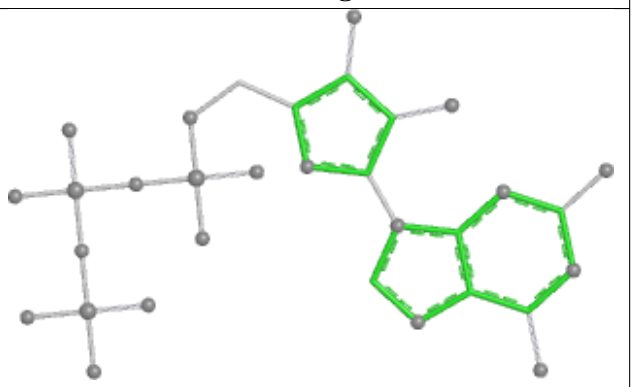

Rings

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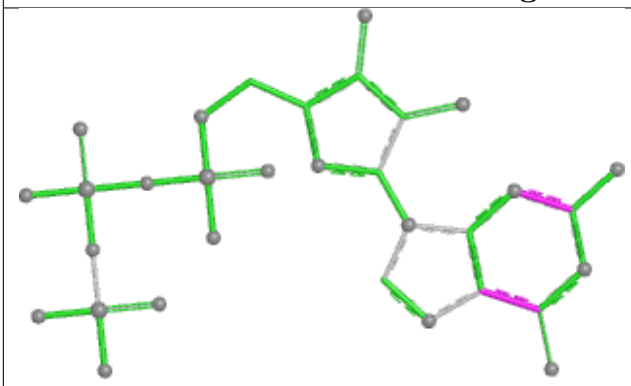

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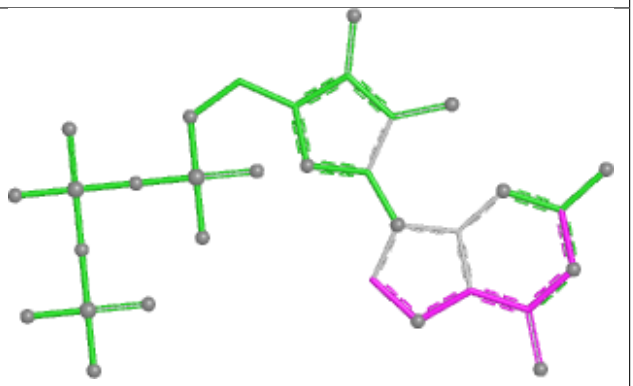

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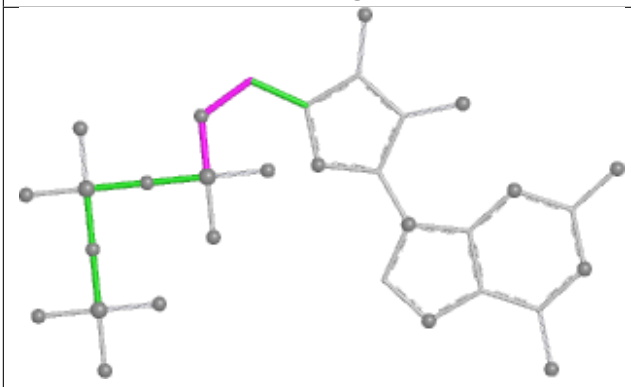

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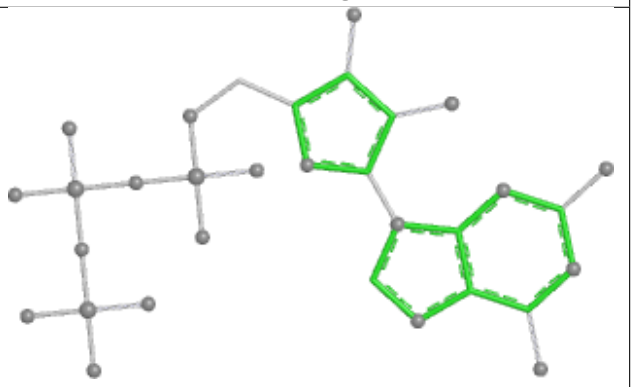

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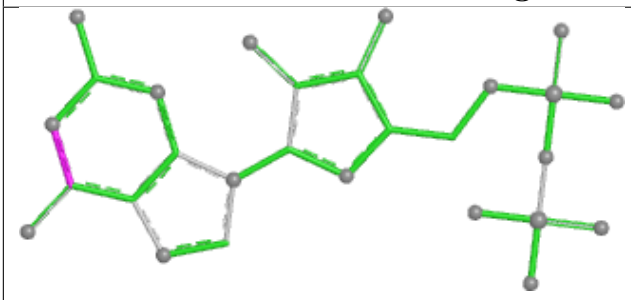

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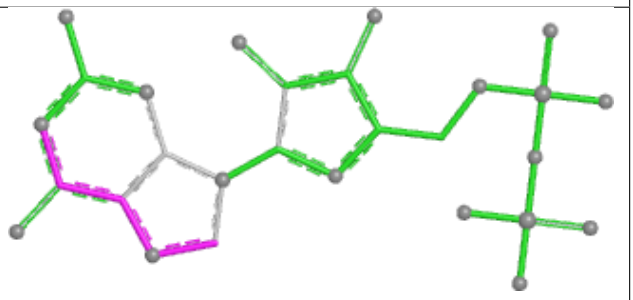

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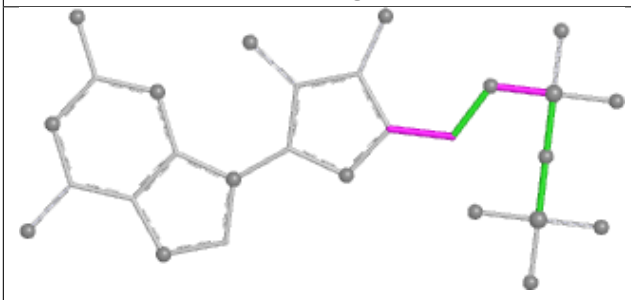

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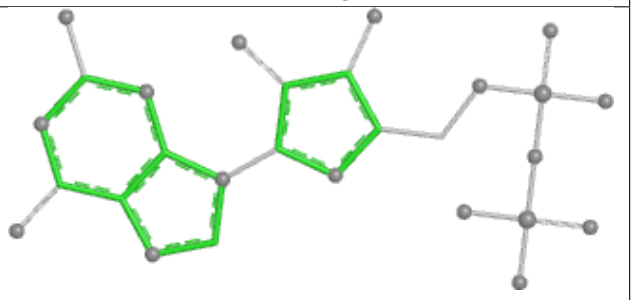

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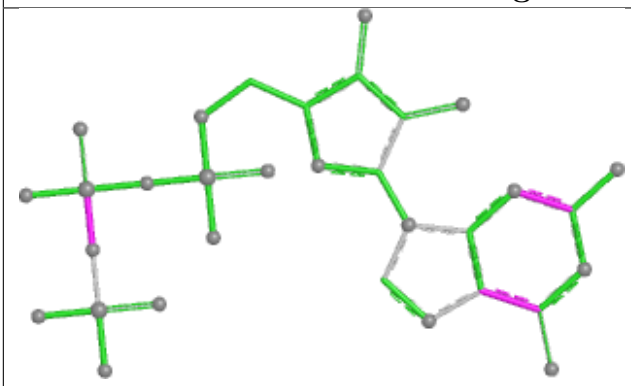

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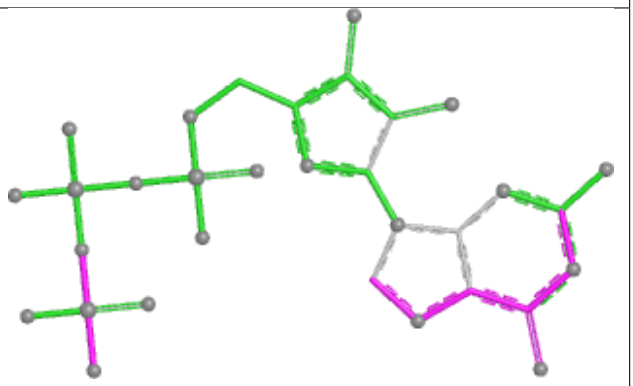

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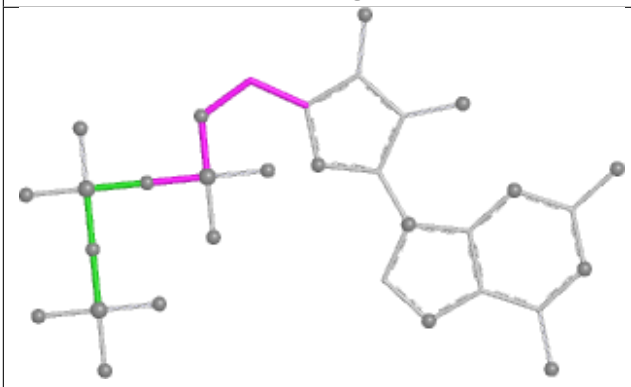

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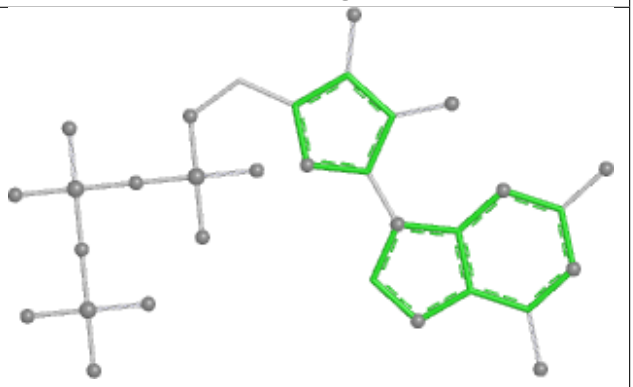

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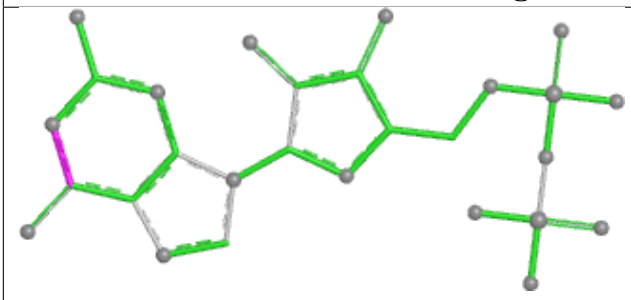

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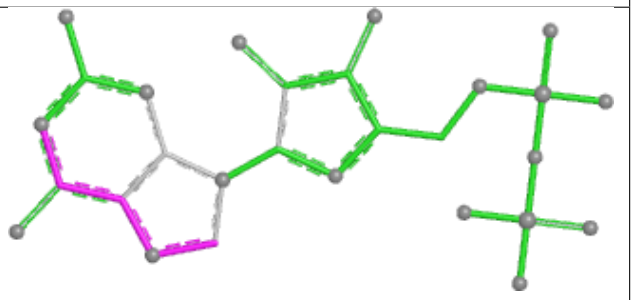

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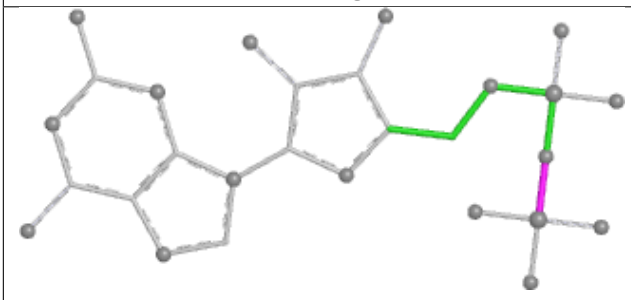

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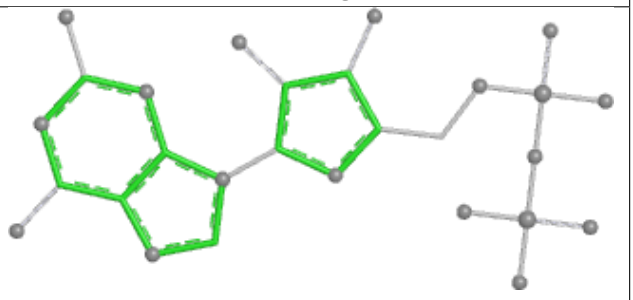

Rings

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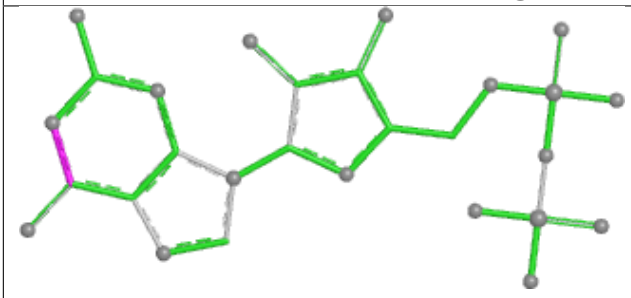
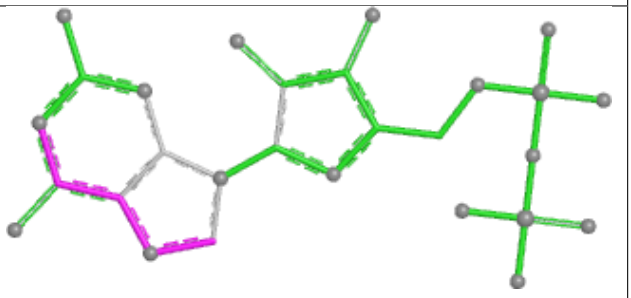
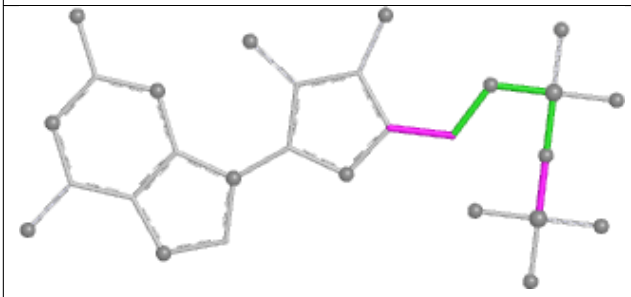
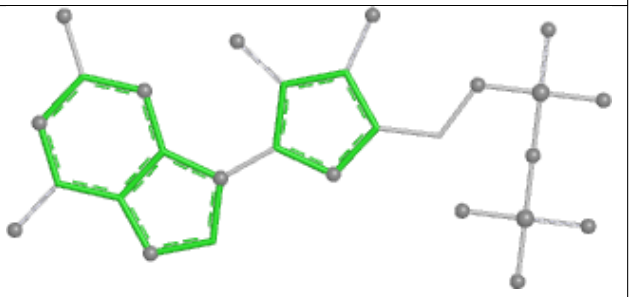
 Bond lengths	 Bond angles
 Torsions	 Rings

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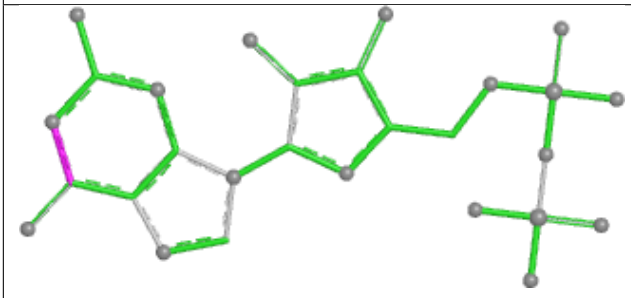
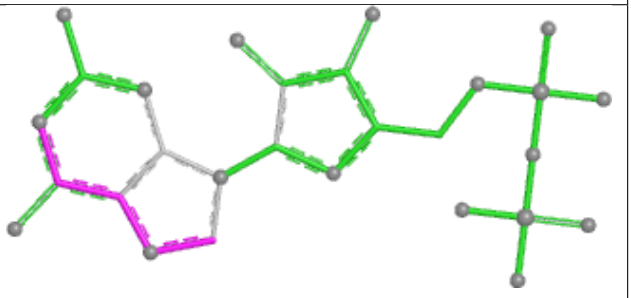
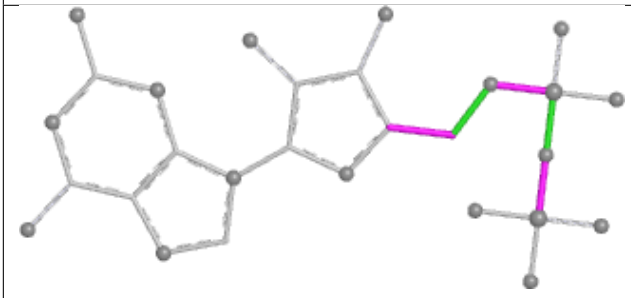
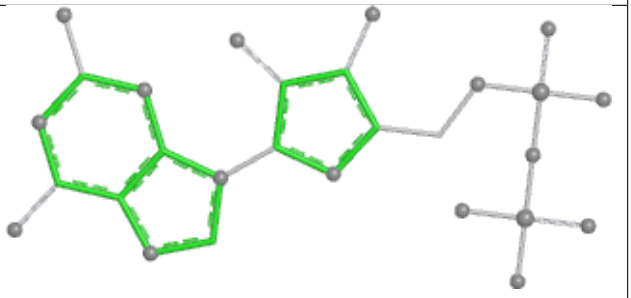
 Bond lengths	 Bond angles
 Torsions	 Rings

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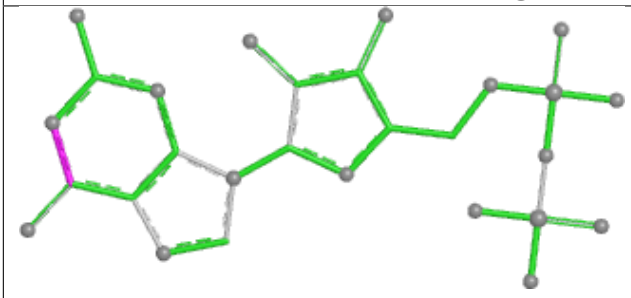

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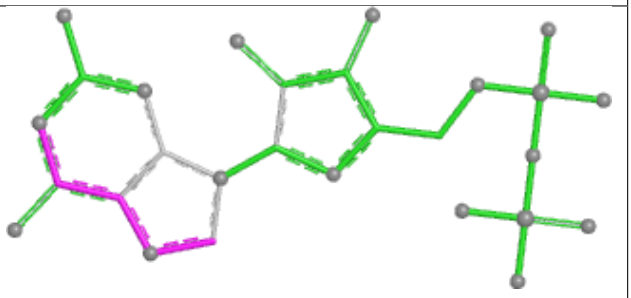

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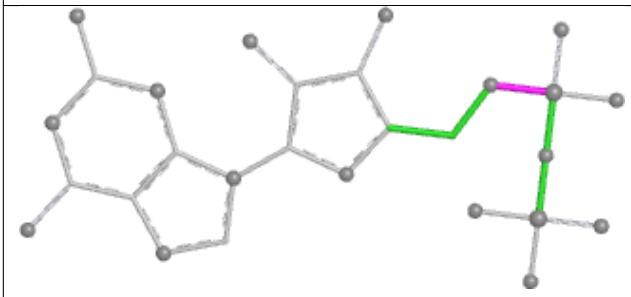

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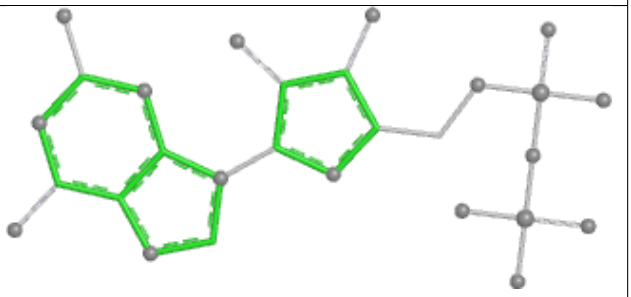

Rings

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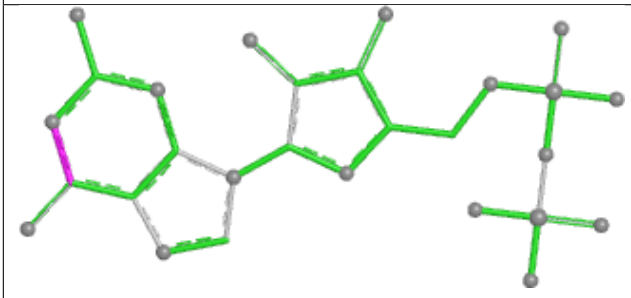

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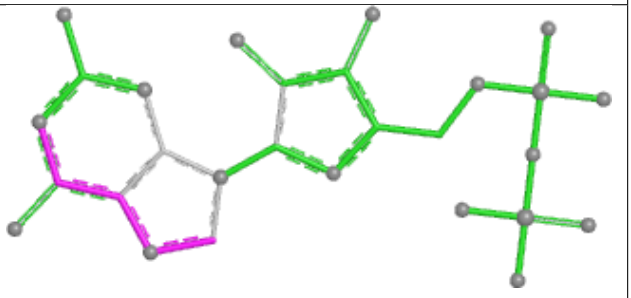
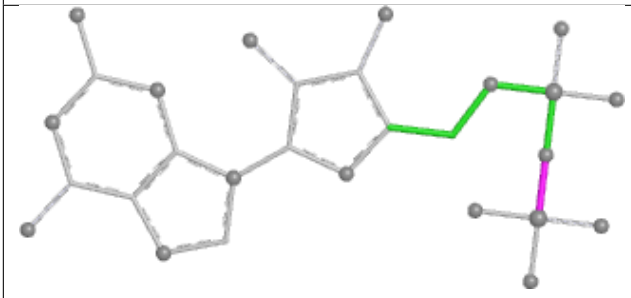
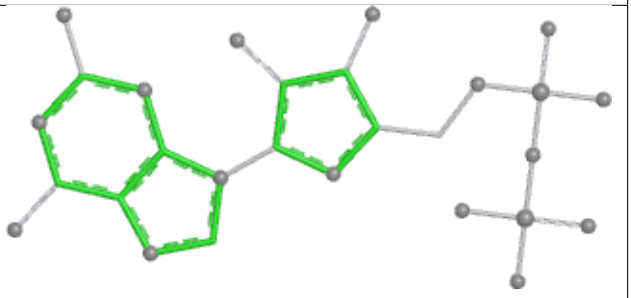


Bond angles

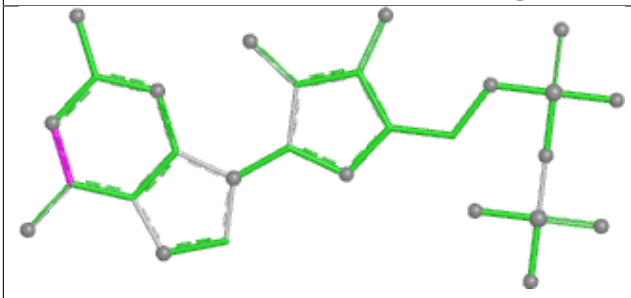


Torsions



Rings

Ligand GDP N0 502



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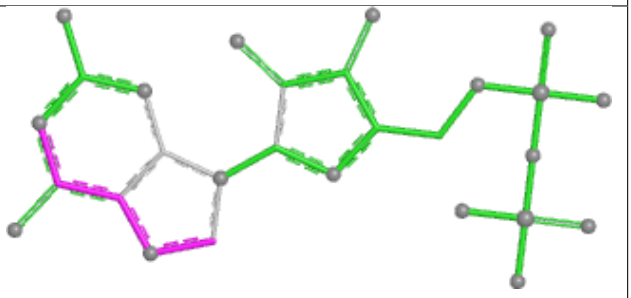

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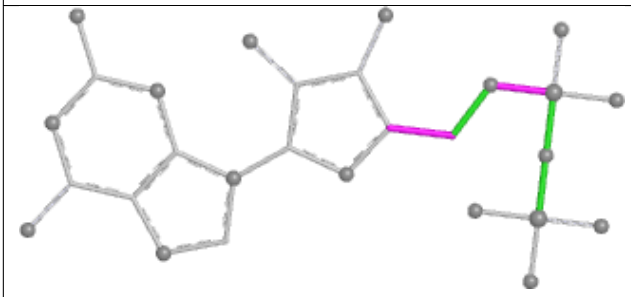

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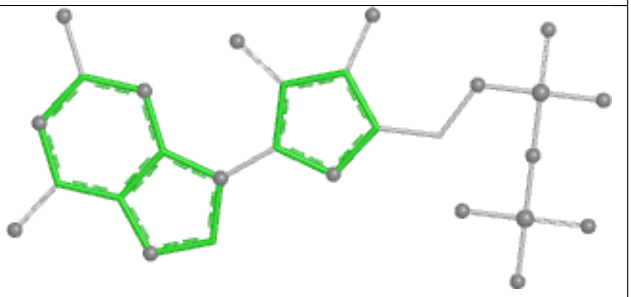
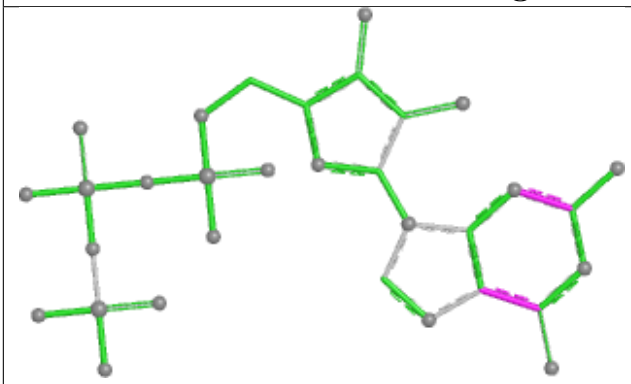


Rings

Ligand GTP CZ 501



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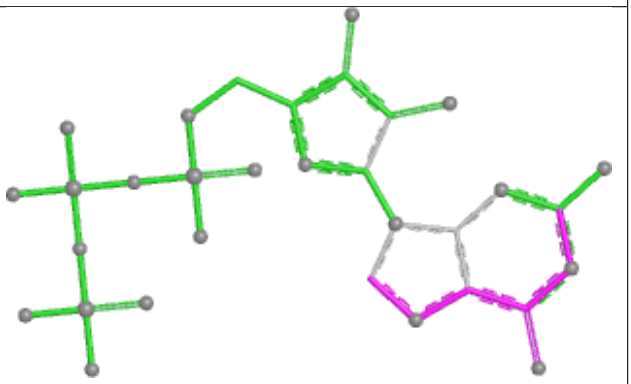

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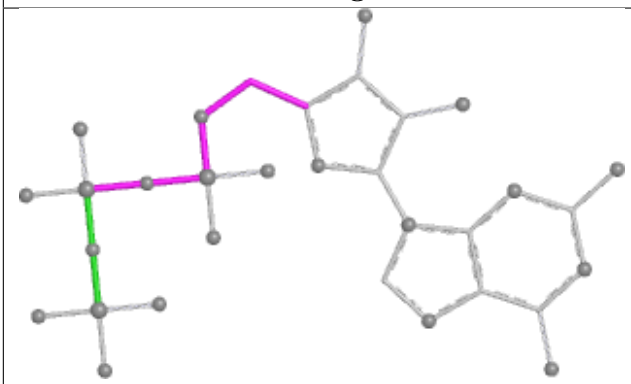

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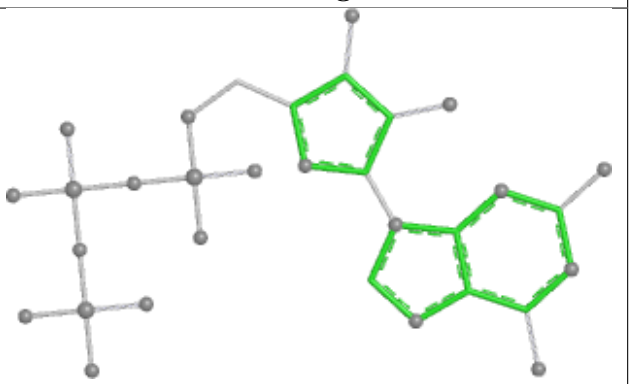
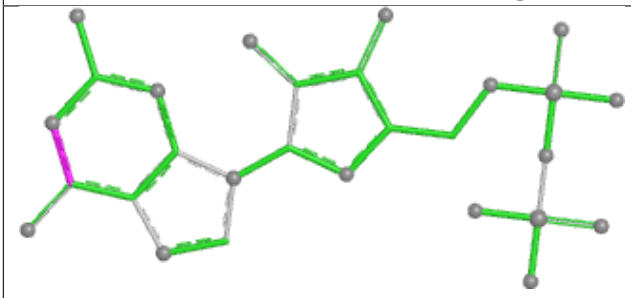
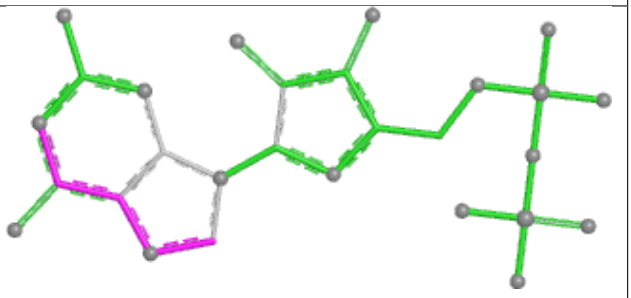
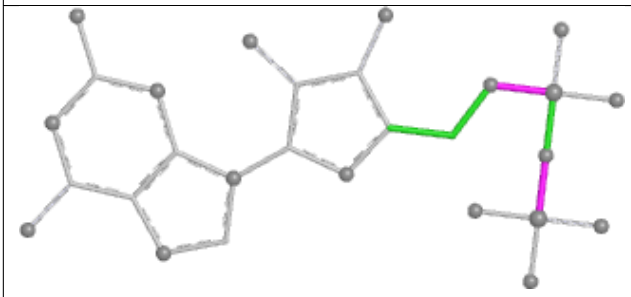
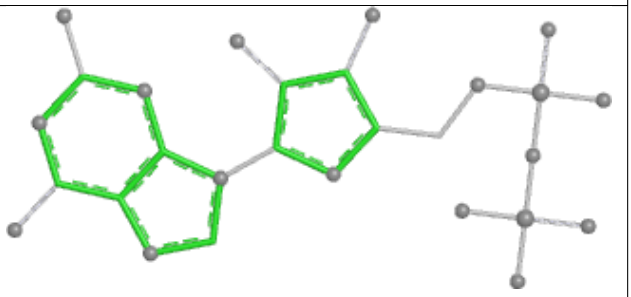
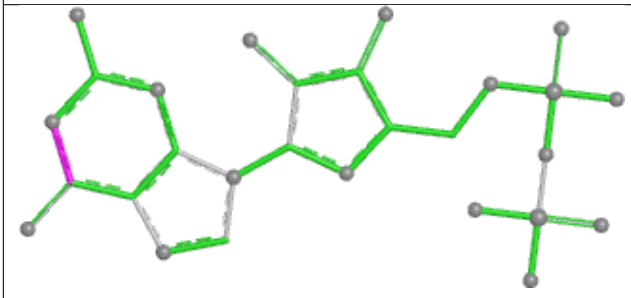
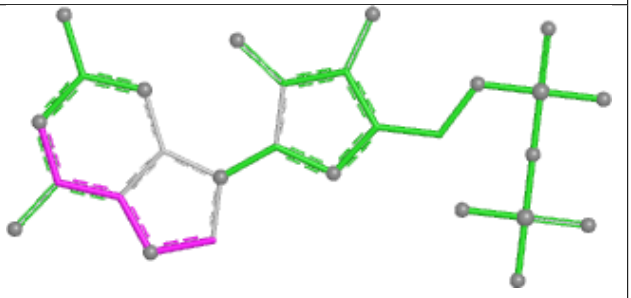
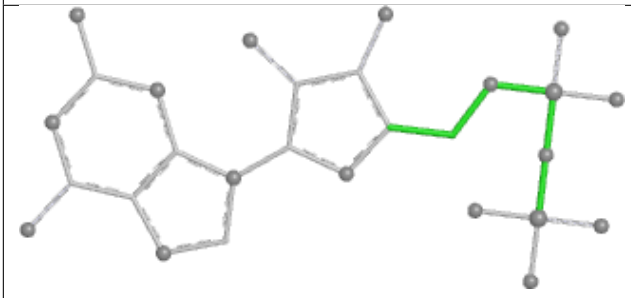
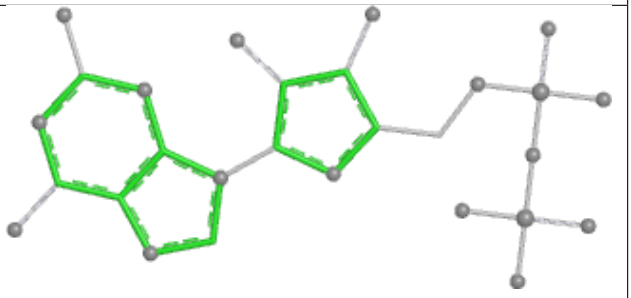
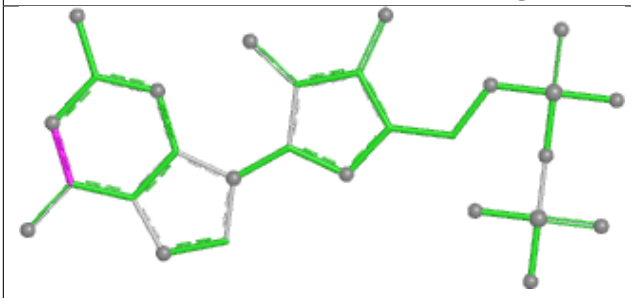


Rings

Ligand GDP 2K 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP F2 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP T8 502



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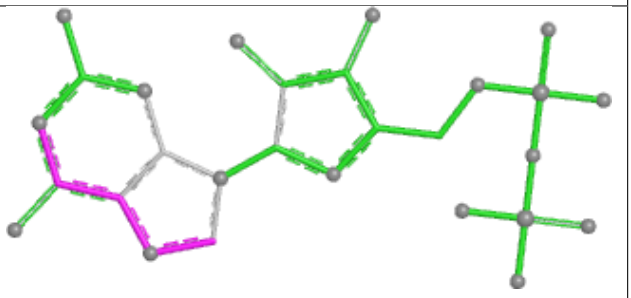

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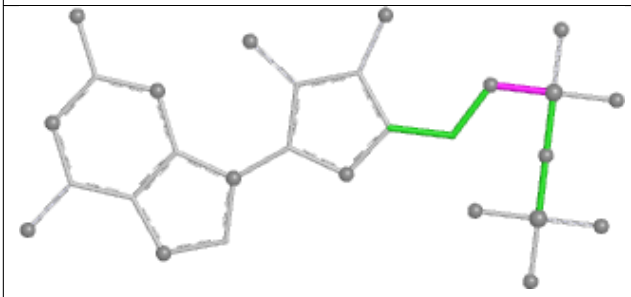

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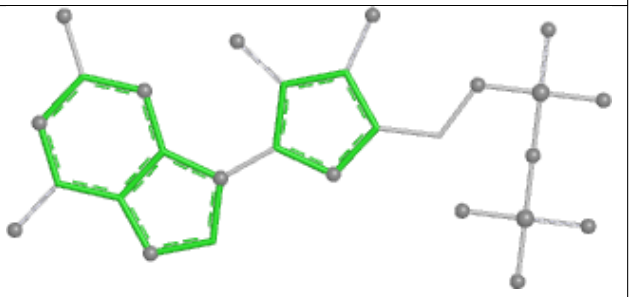
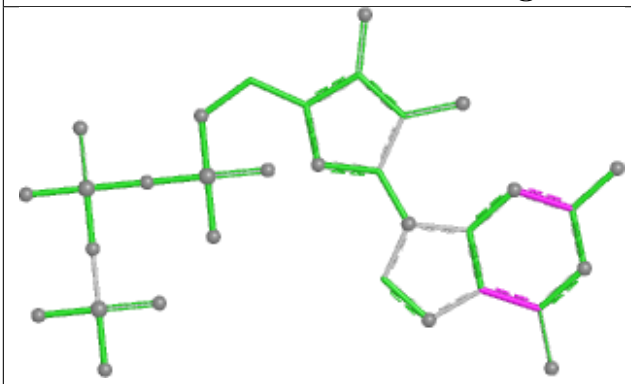


Rings

Ligand GTP EI 501



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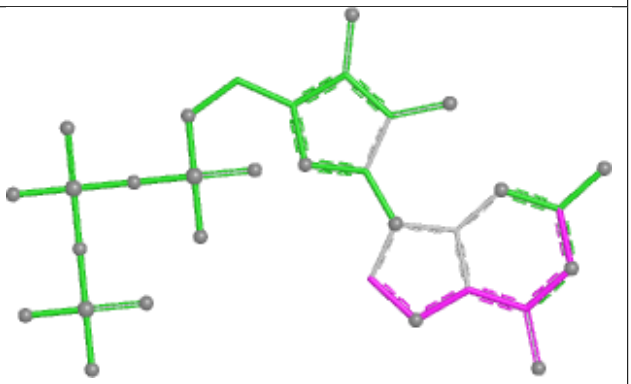

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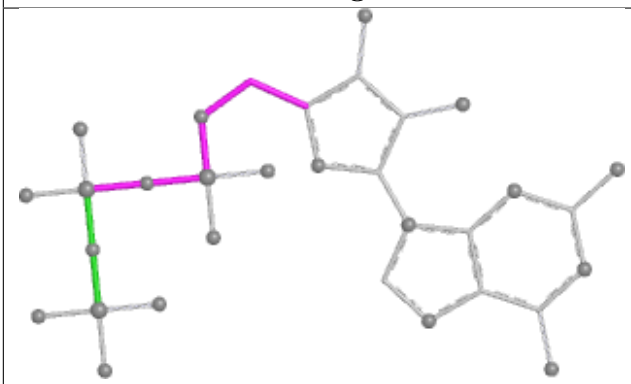

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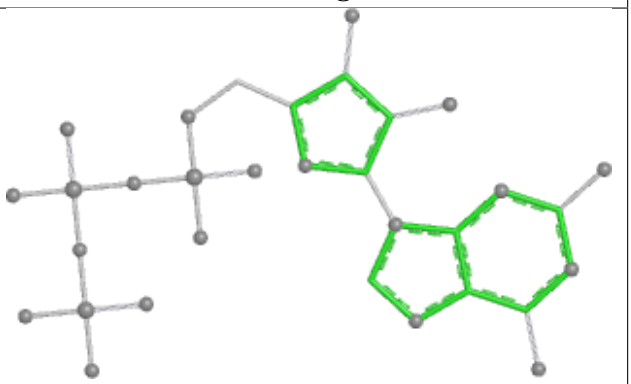
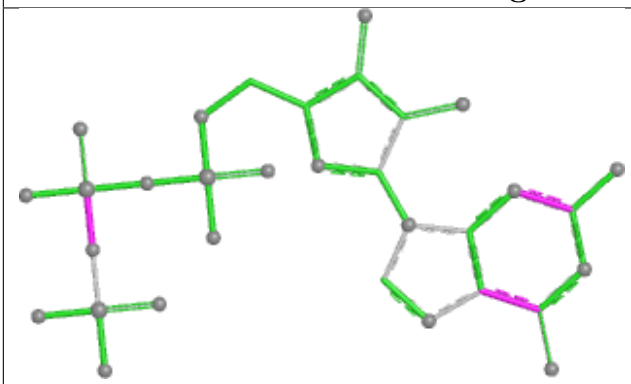


Rings

Ligand GTP M6 501



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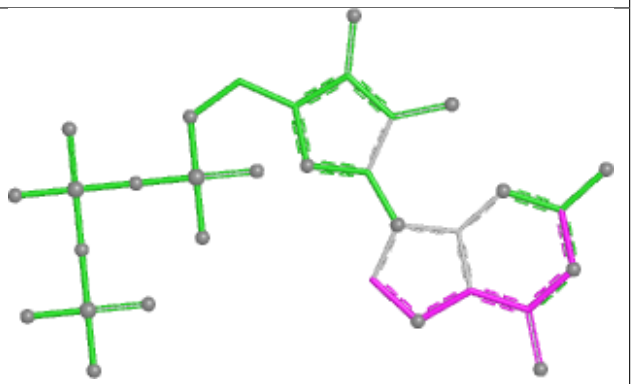

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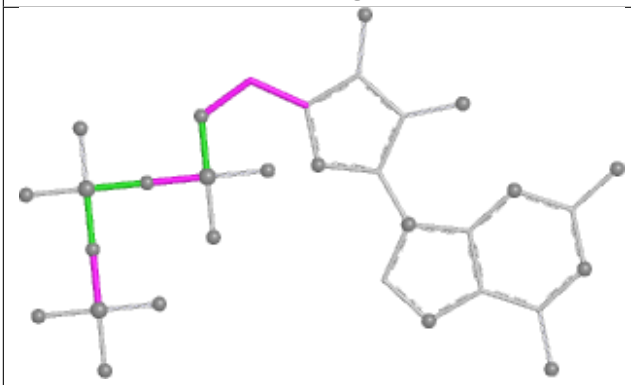

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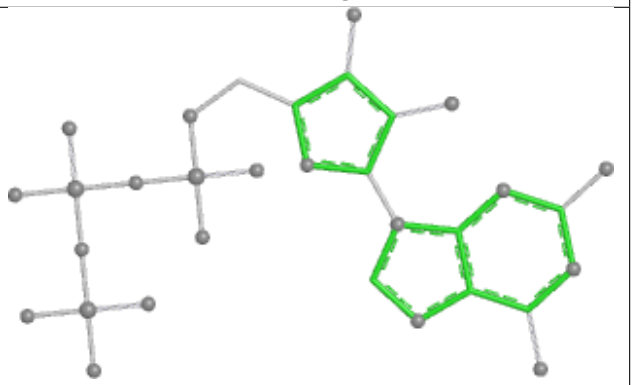
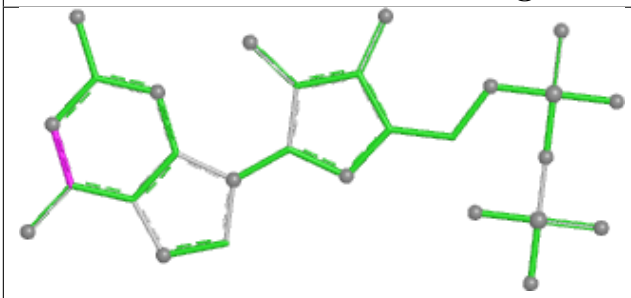


Rings

Ligand GDP Al 501



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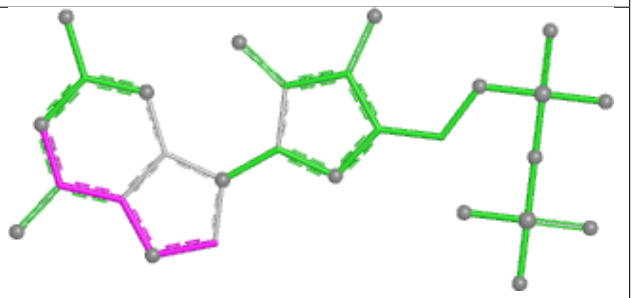

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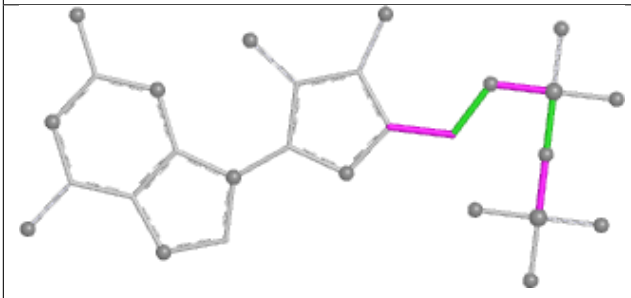

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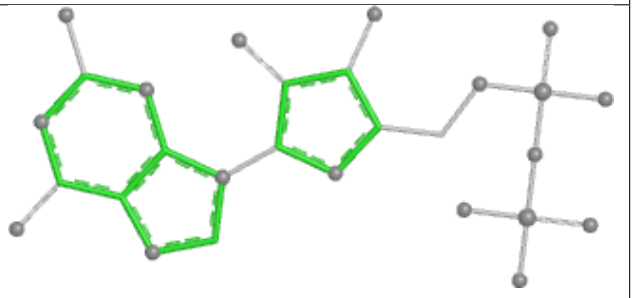
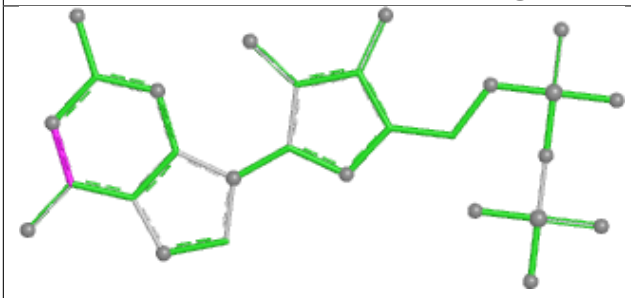
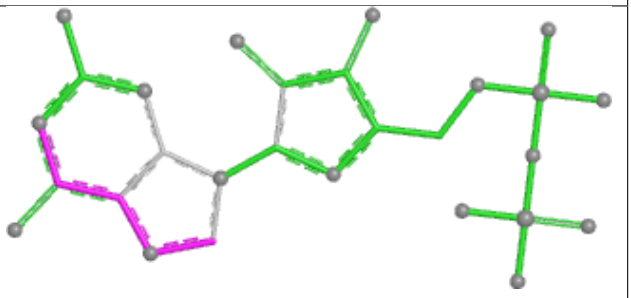
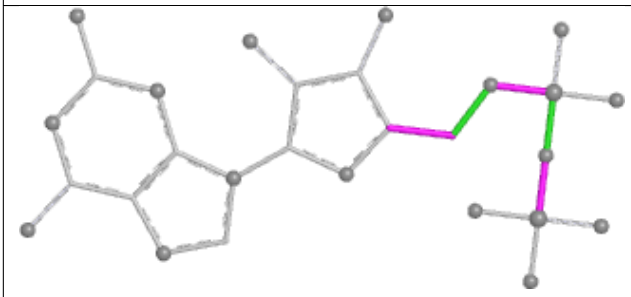
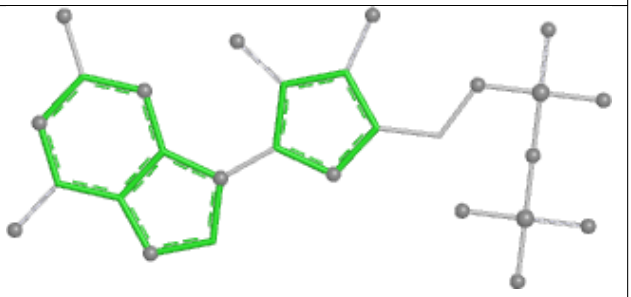


Rings

Ligand GDP G6 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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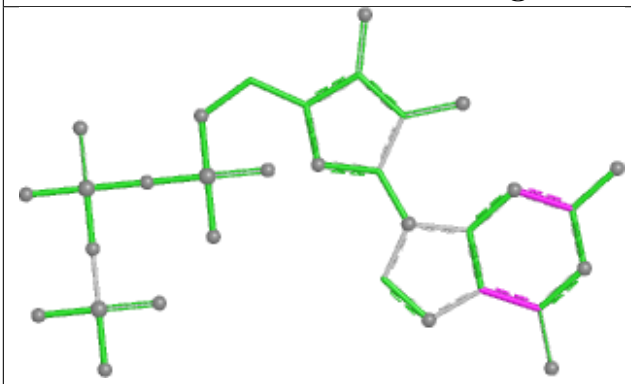
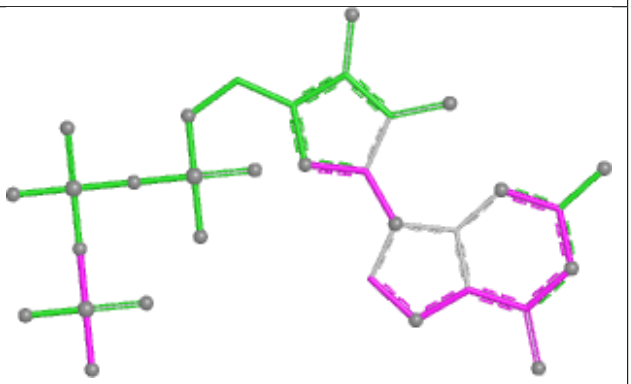
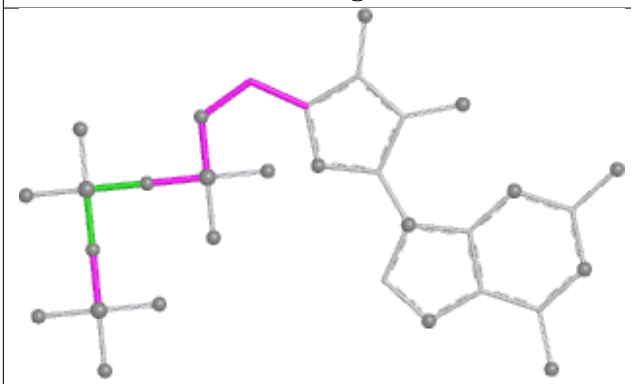
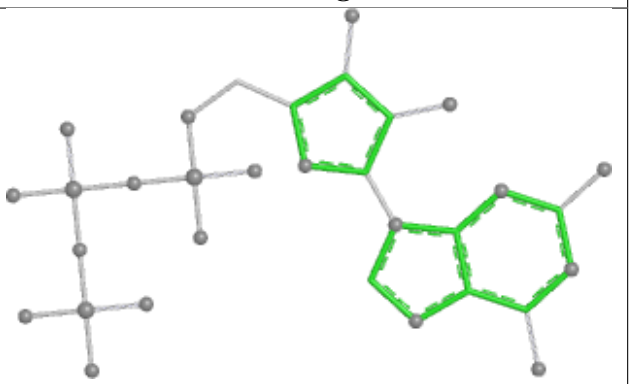
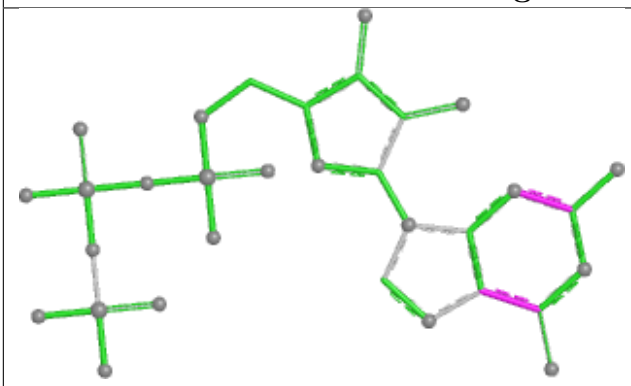
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 3C 501



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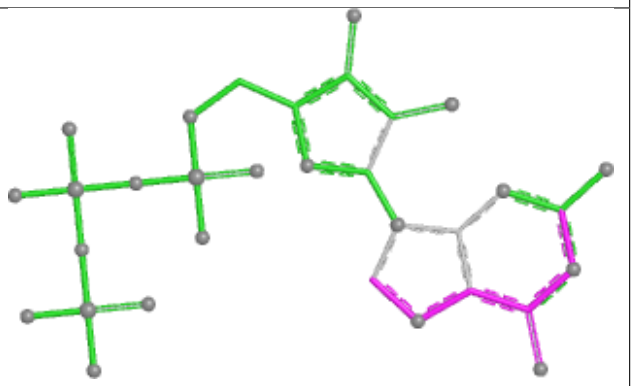

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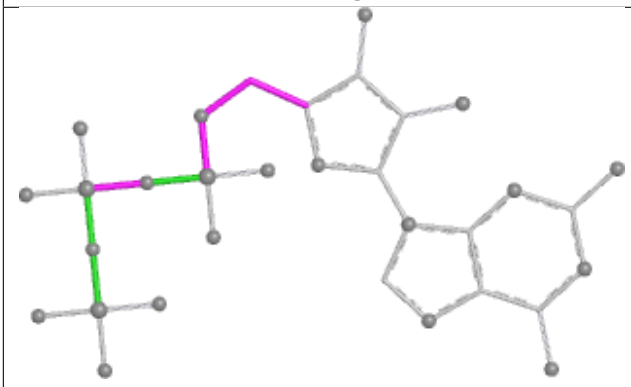

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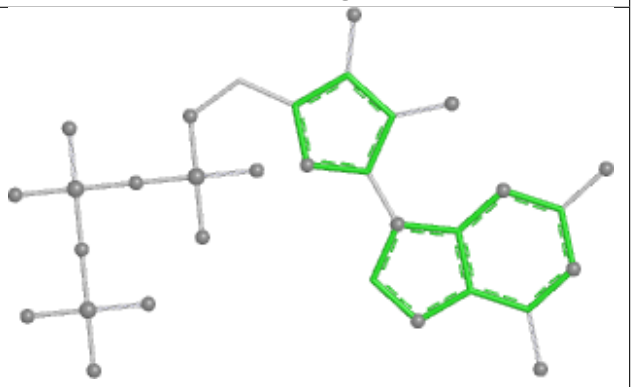
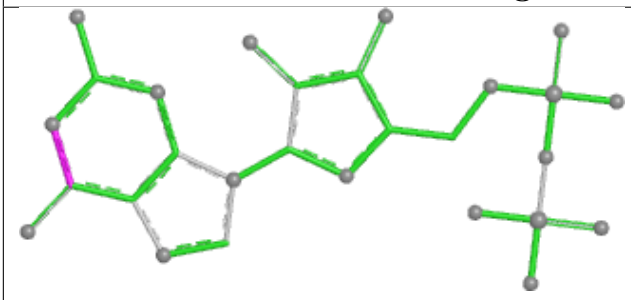


Rings

Ligand GDP 1E 501



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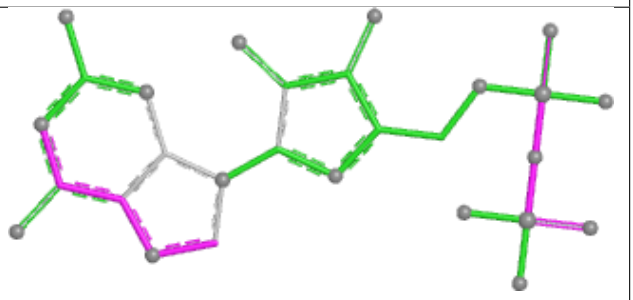

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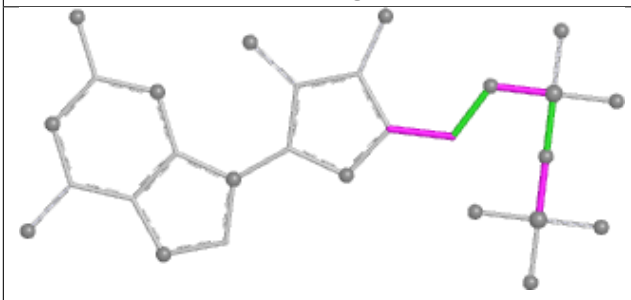

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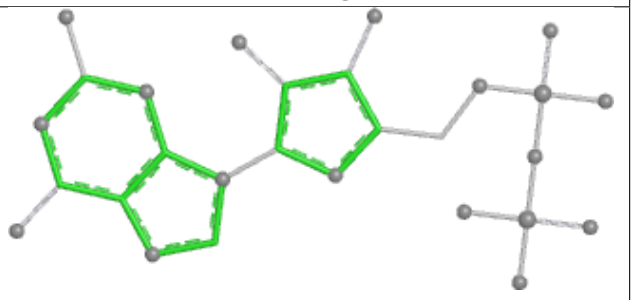
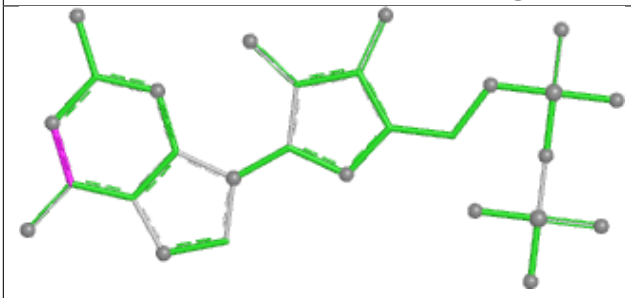
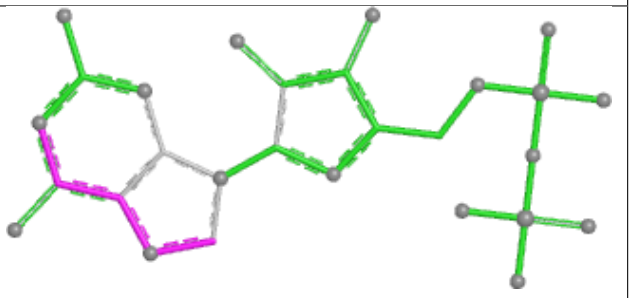
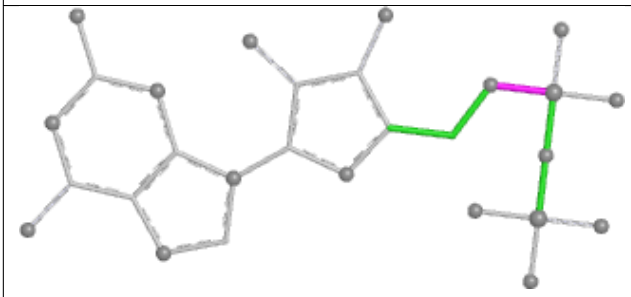
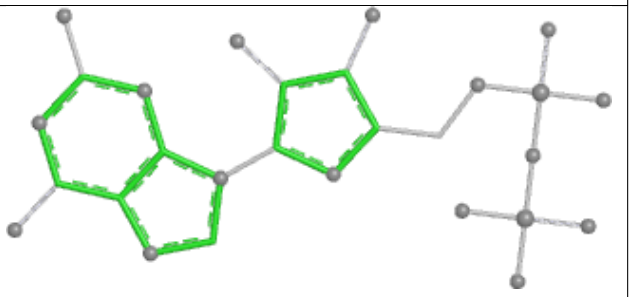
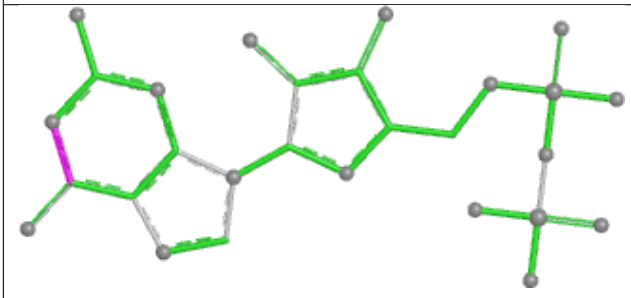
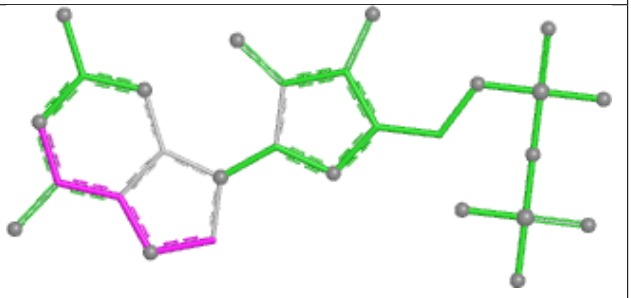
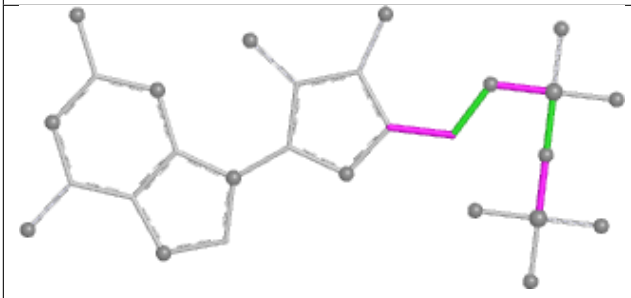
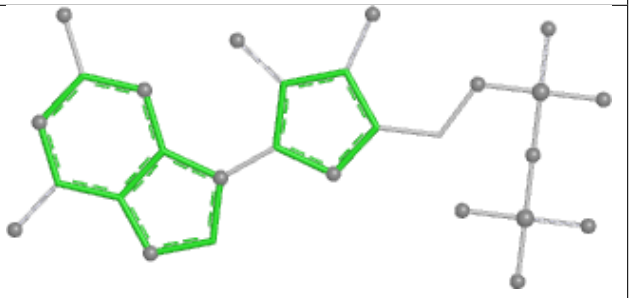


Rings

Ligand GDP Aw 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP CM 503	
 Bond lengths	 Bond angles
 Torsions	 Rings

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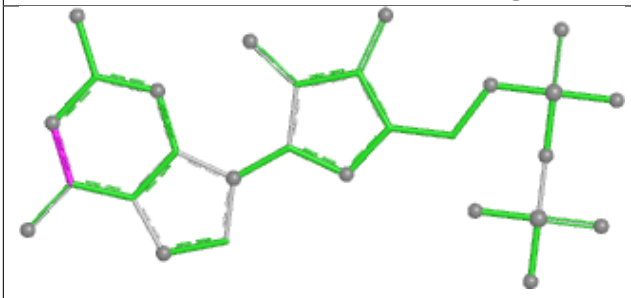
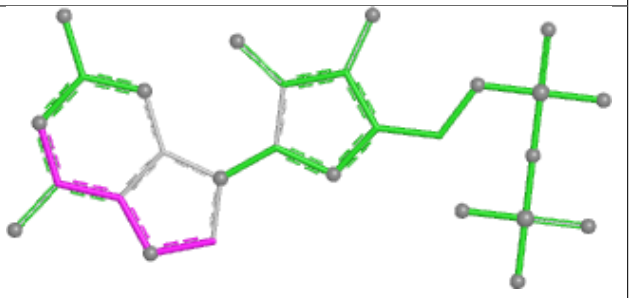
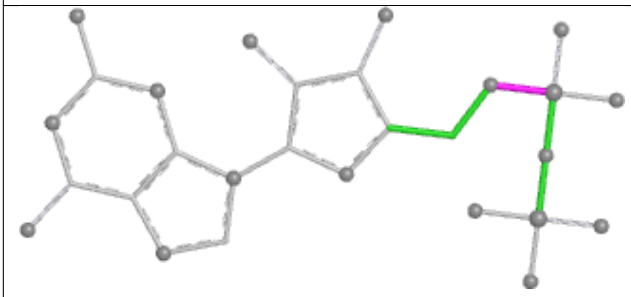
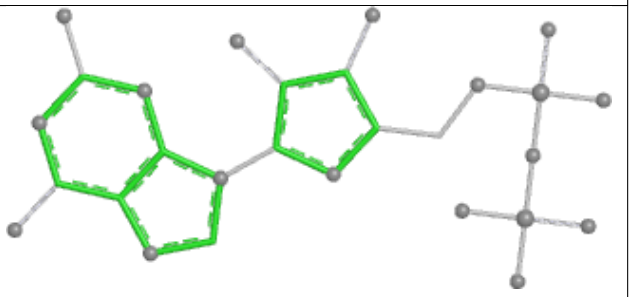
 Bond lengths	 Bond angles
 Torsions	 Rings

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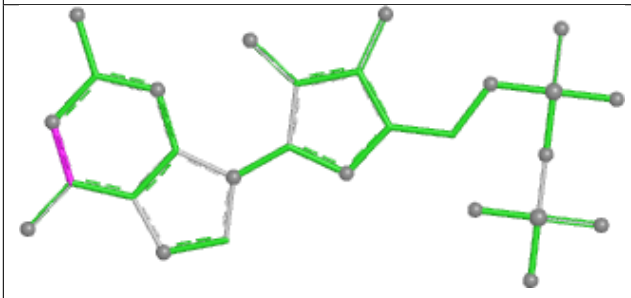
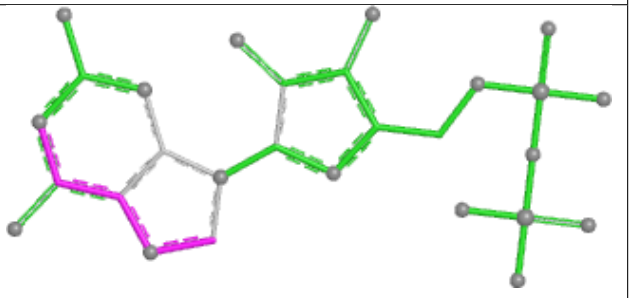
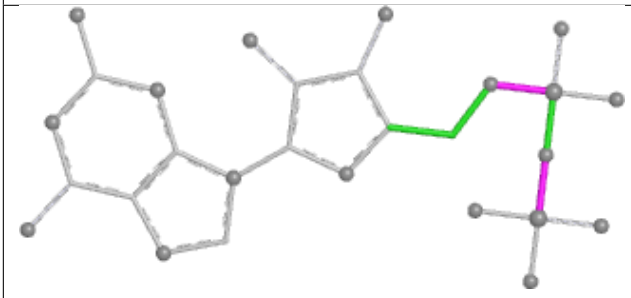
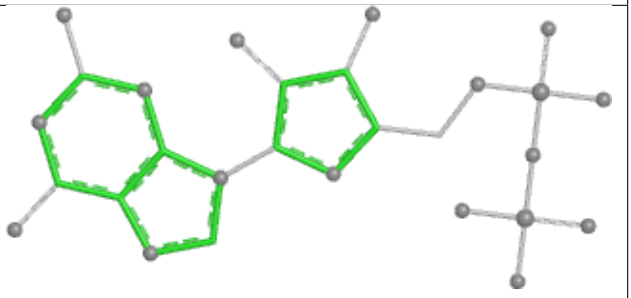
 Bond lengths	 Bond angles
 Torsions	 Rings

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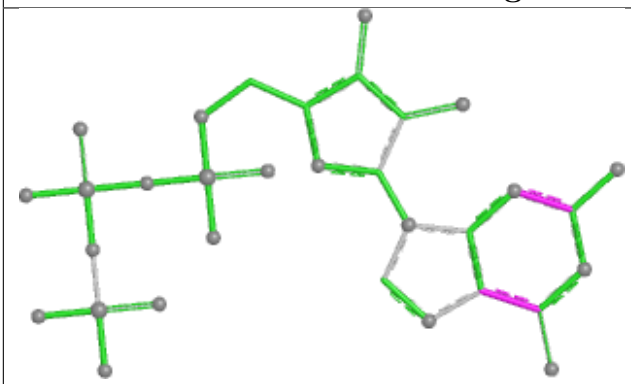

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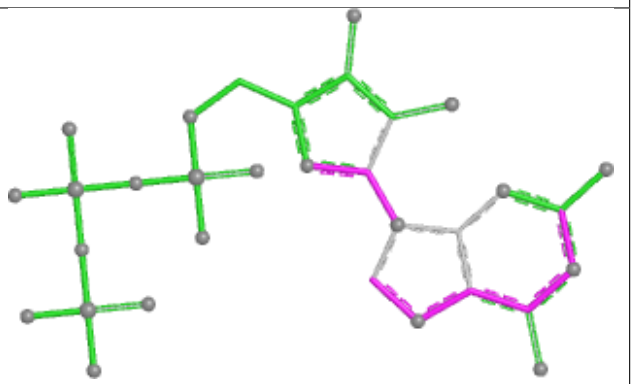

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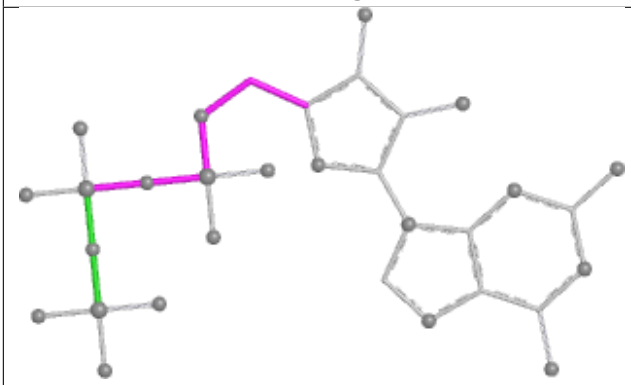

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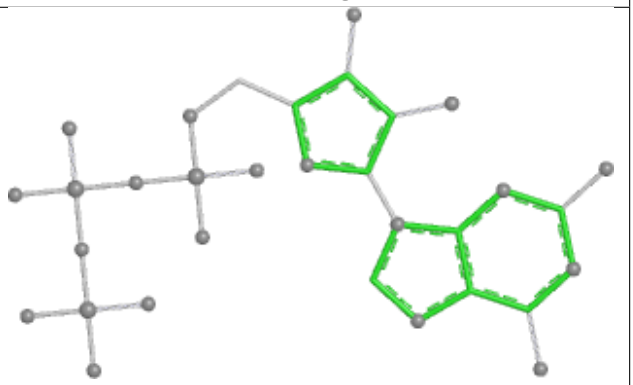

Rings

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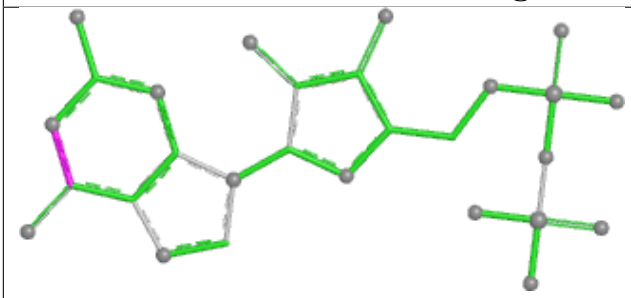

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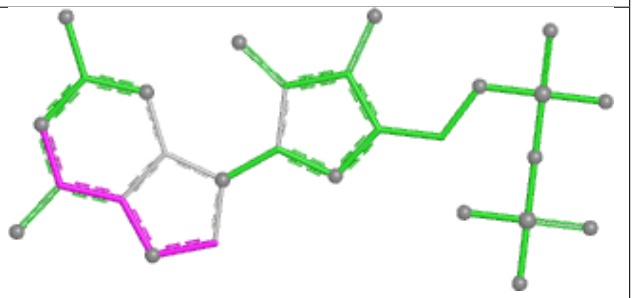

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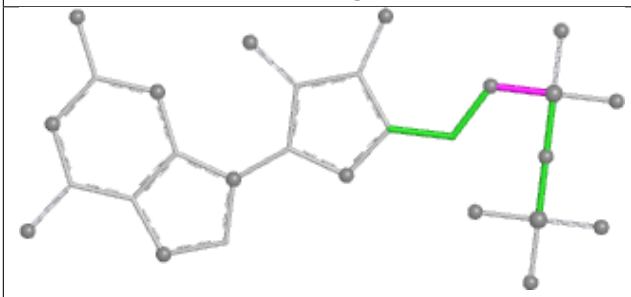

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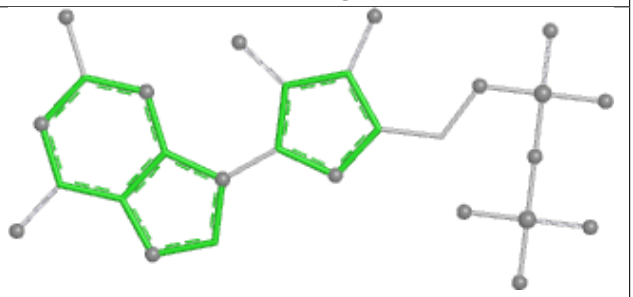

Rings

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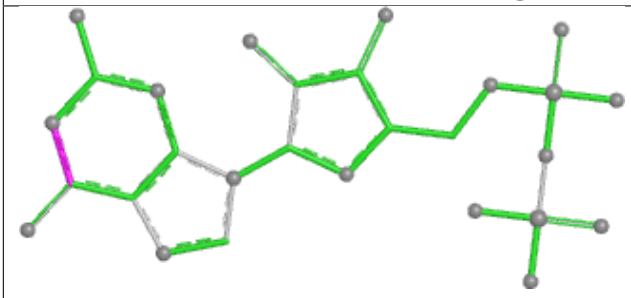
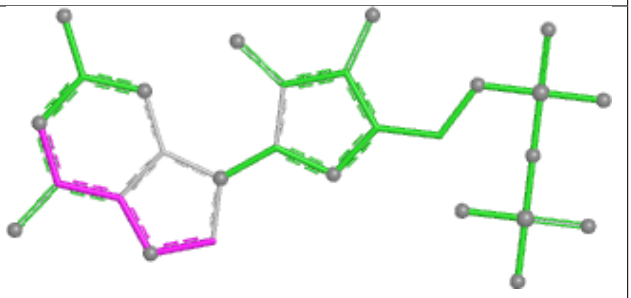
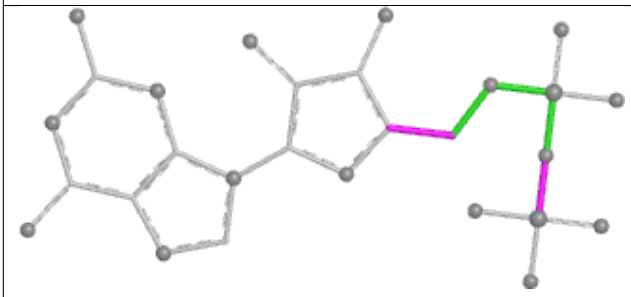
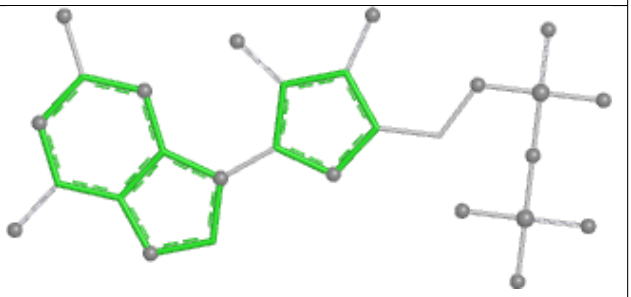
 Bond lengths	 Bond angles
 Torsions	 Rings

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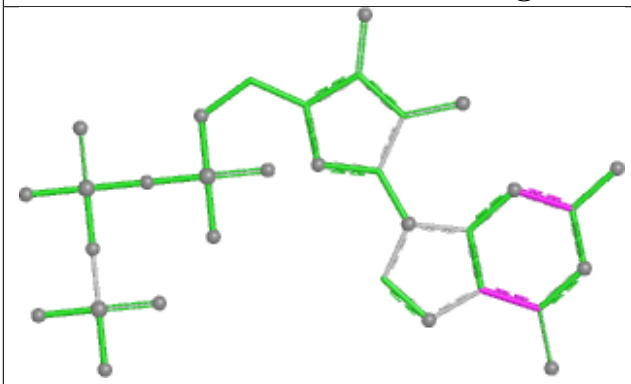
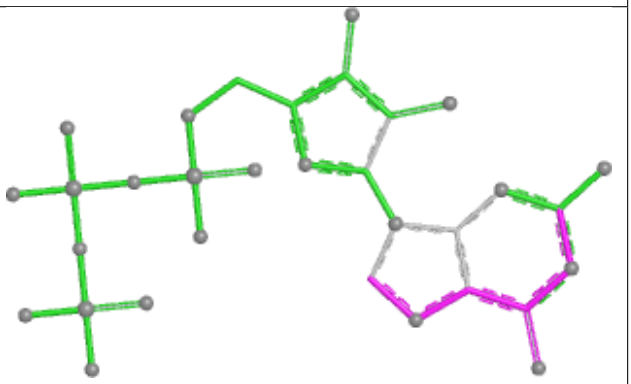
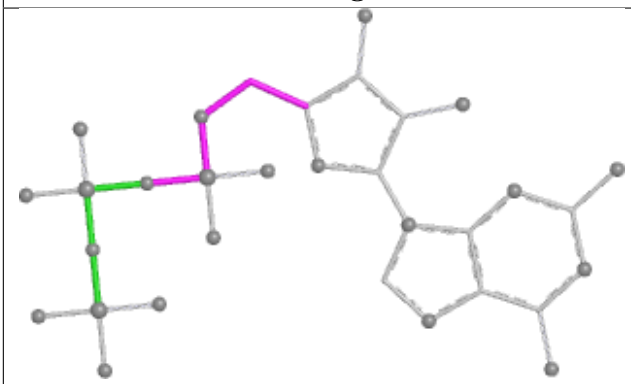
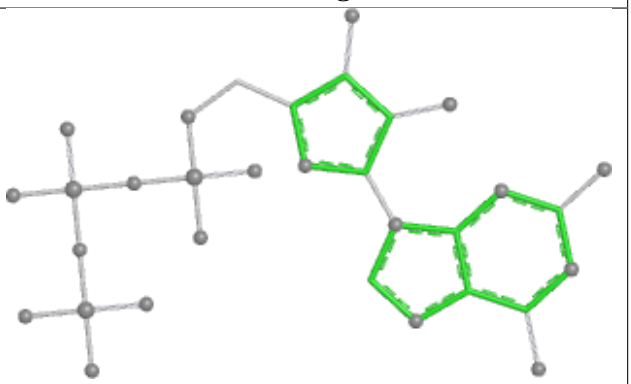
 Bond lengths	 Bond angles
 Torsions	 Rings

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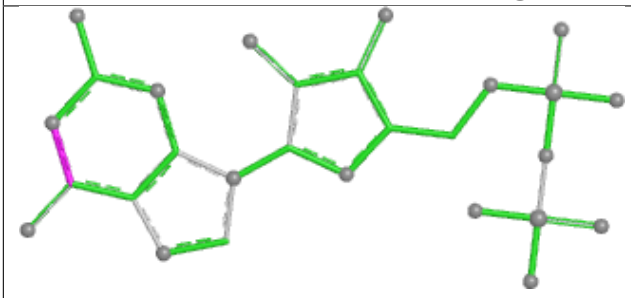
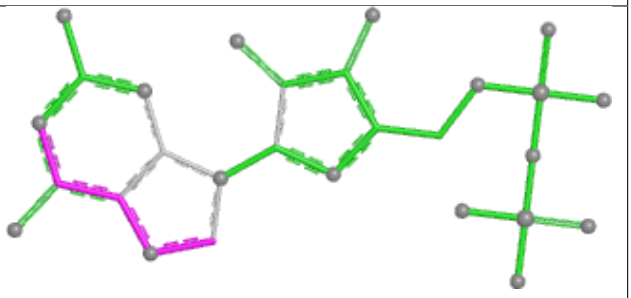
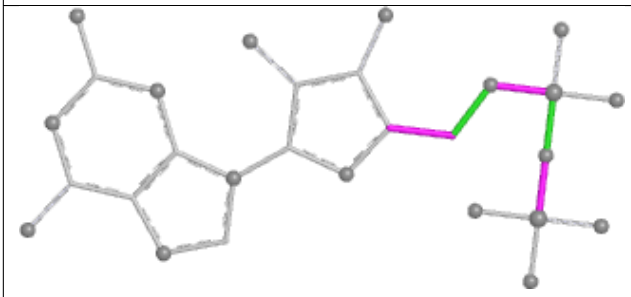
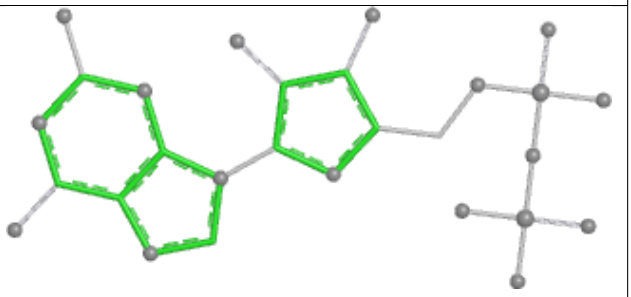
 Bond lengths	 Bond angles
 Torsions	 Rings

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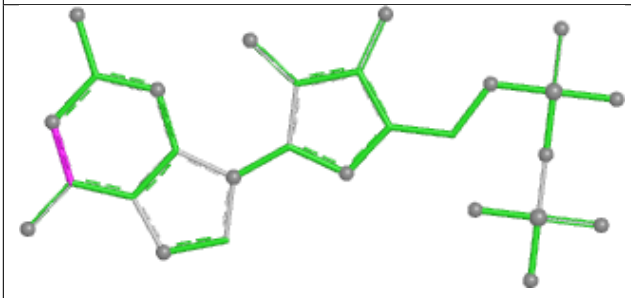
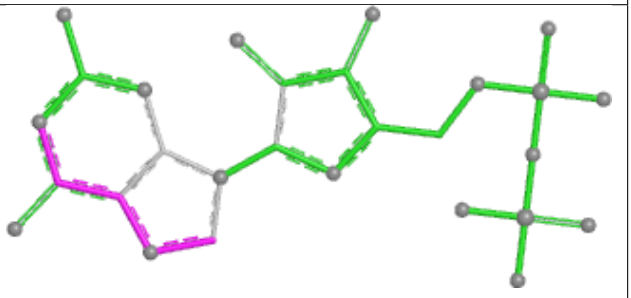
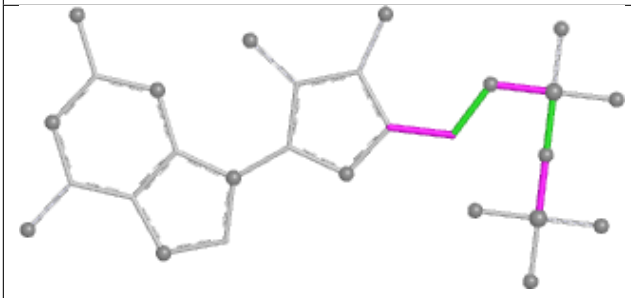
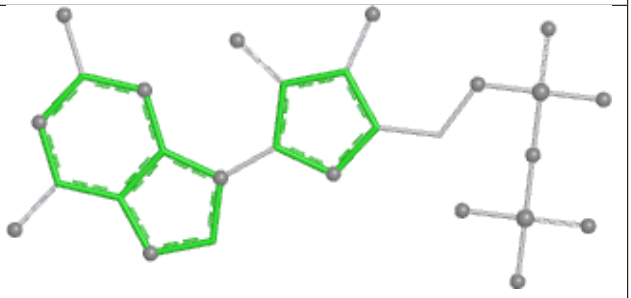
 Bond lengths	 Bond angles
 Torsions	 Rings

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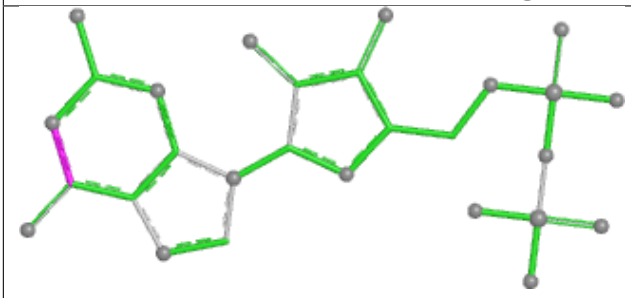
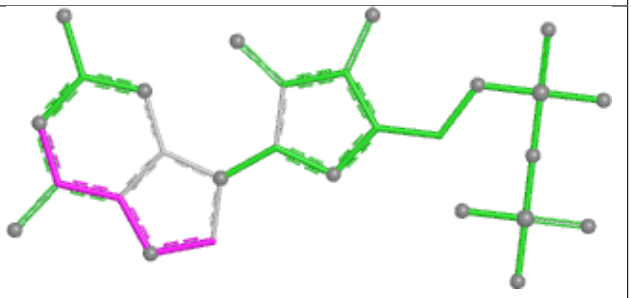
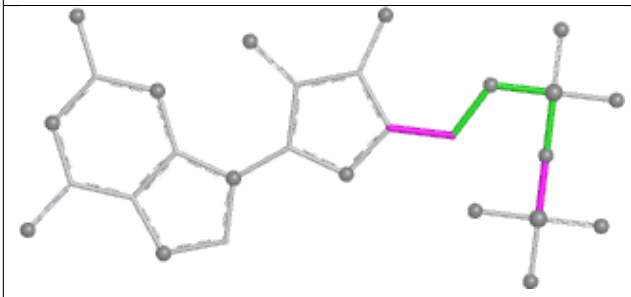
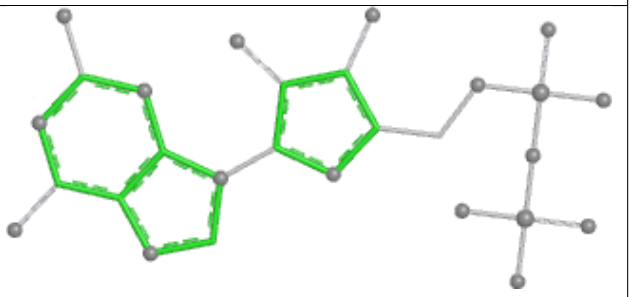
 Bond lengths	 Bond angles
 Torsions	 Rings

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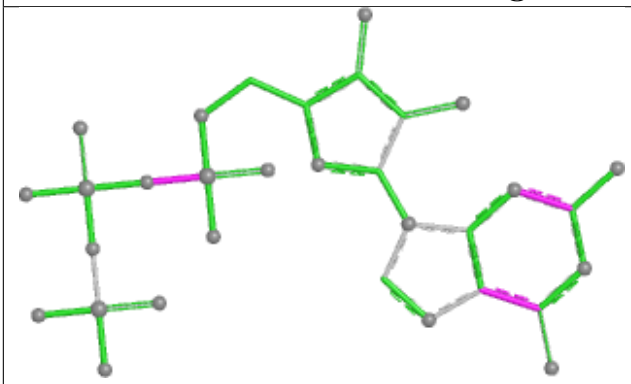
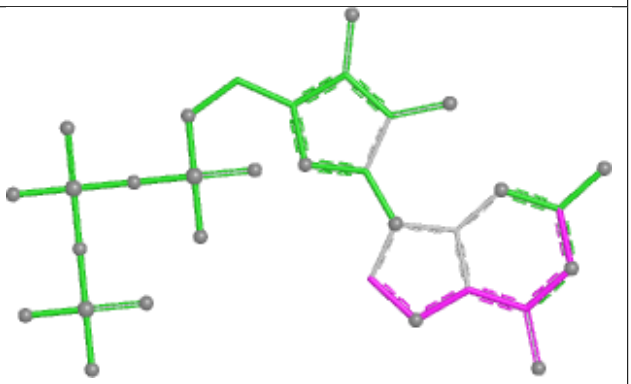
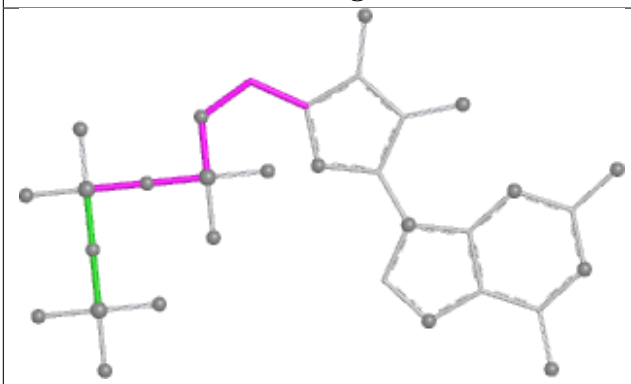
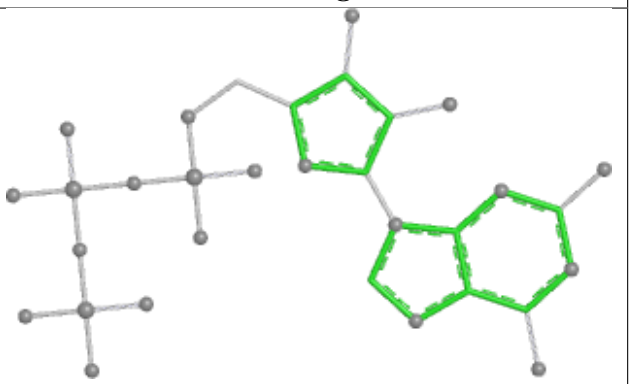
 Bond lengths	 Bond angles
 Torsions	 Rings

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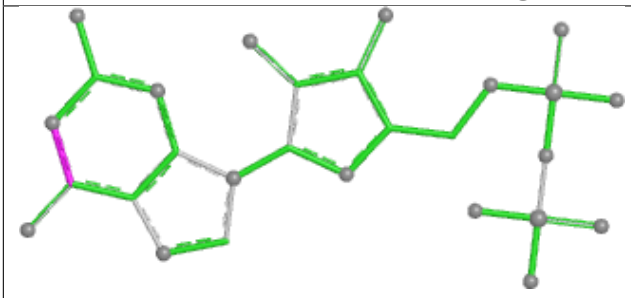
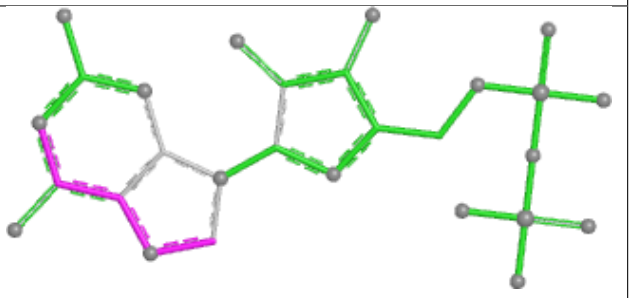
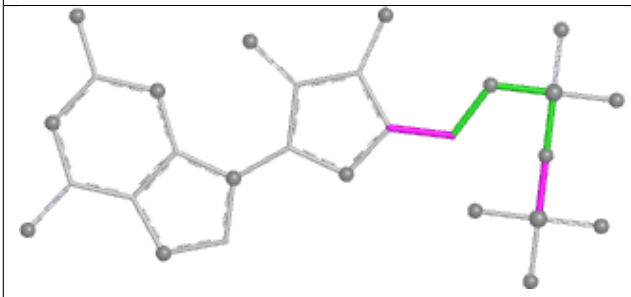
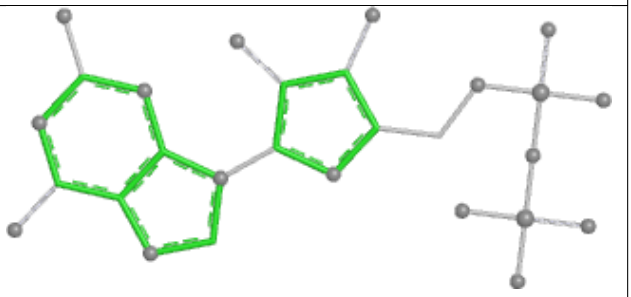
 Bond lengths	 Bond angles
 Torsions	 Rings

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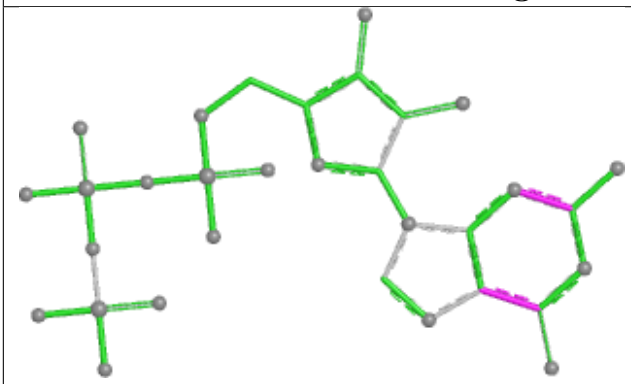
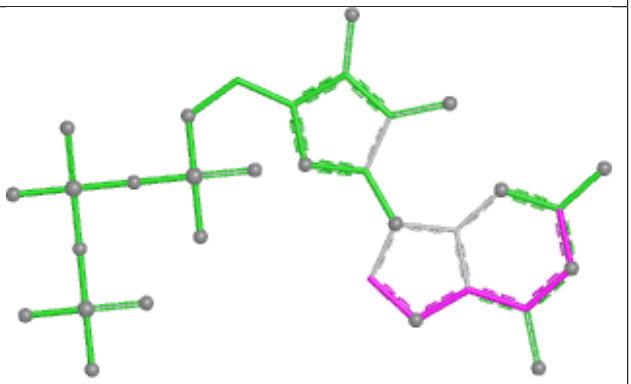
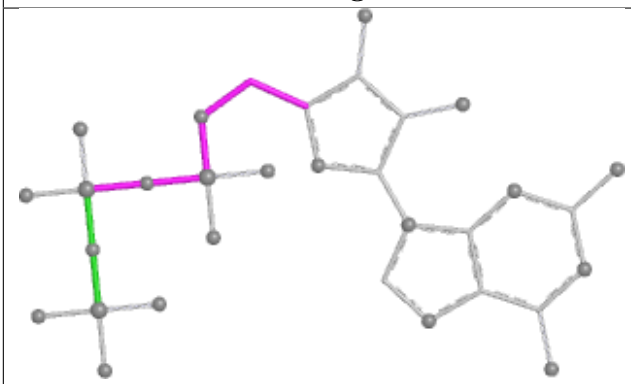
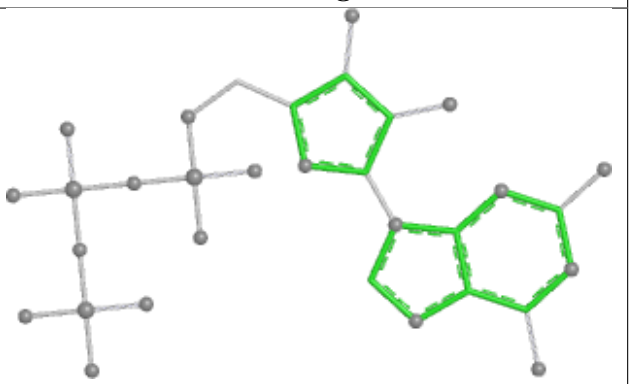
 Bond lengths	 Bond angles
 Torsions	 Rings

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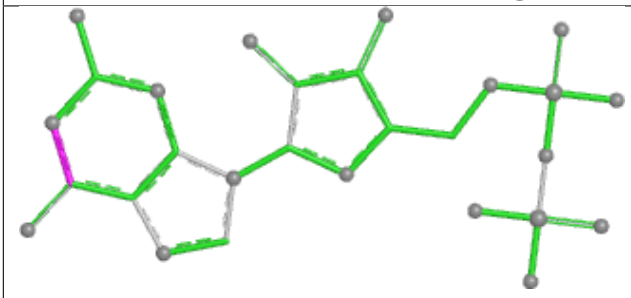
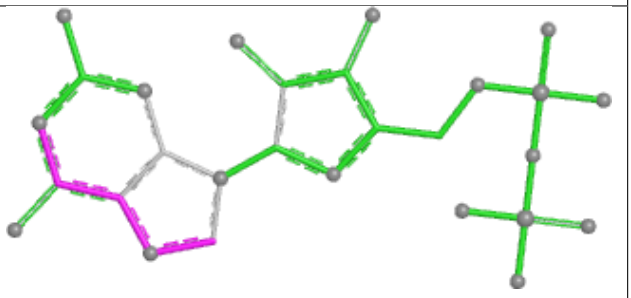
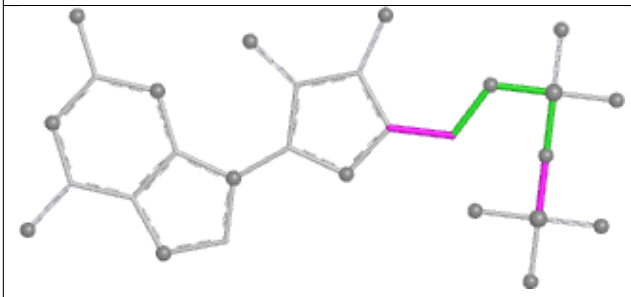
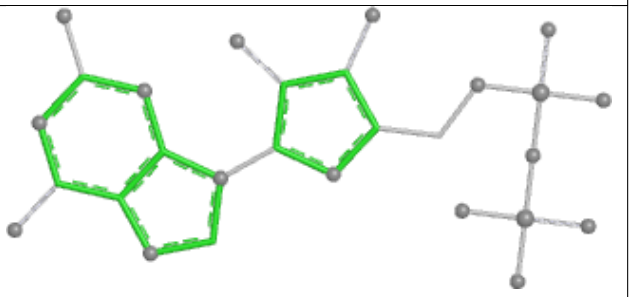
 Bond lengths	 Bond angles
 Torsions	 Rings

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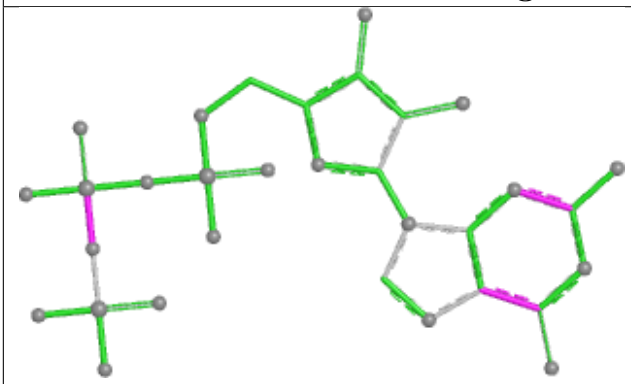
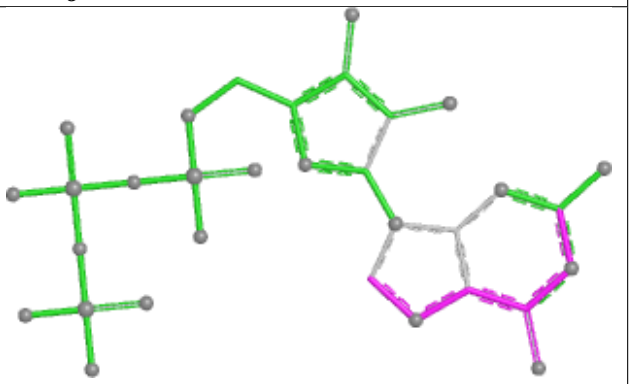
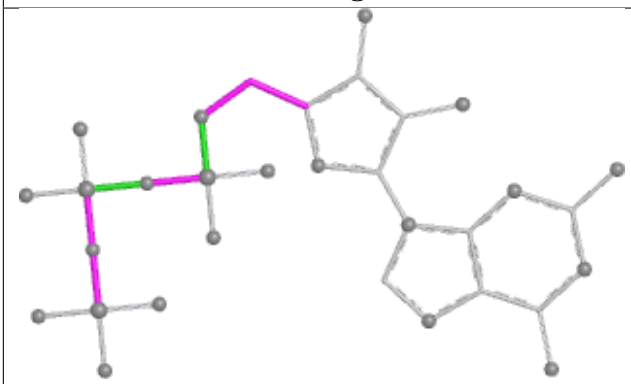
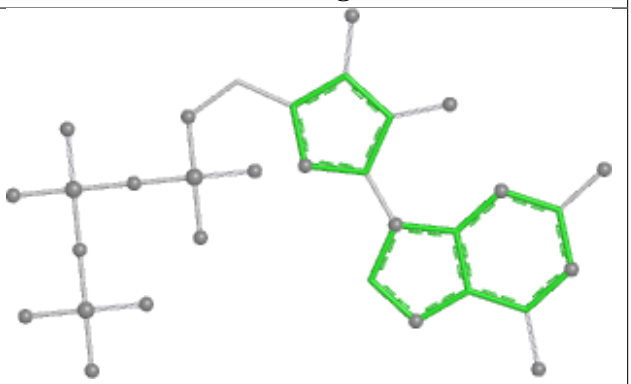
 Bond lengths	 Bond angles
 Torsions	 Rings

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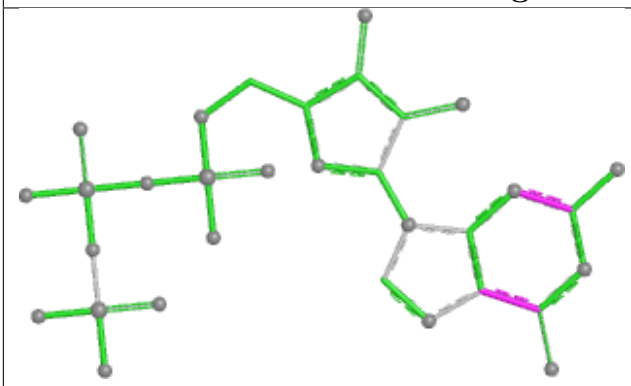

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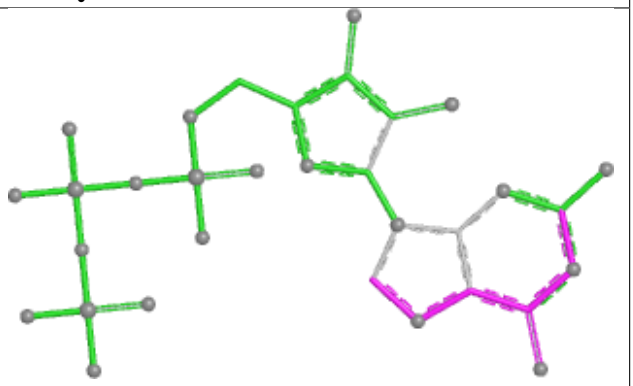

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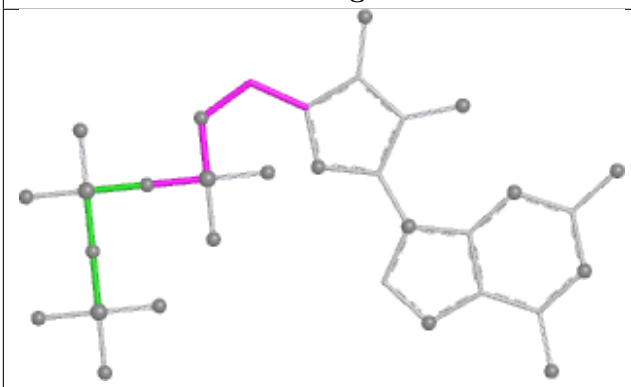

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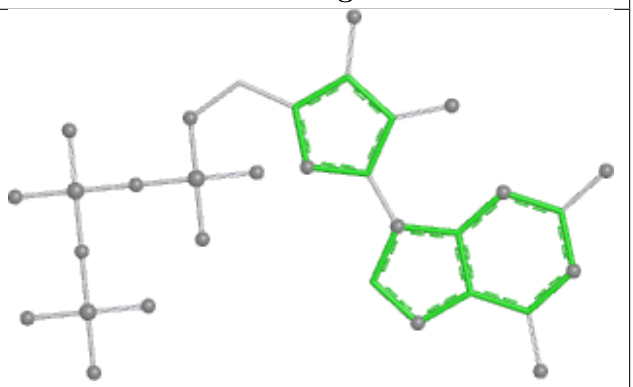

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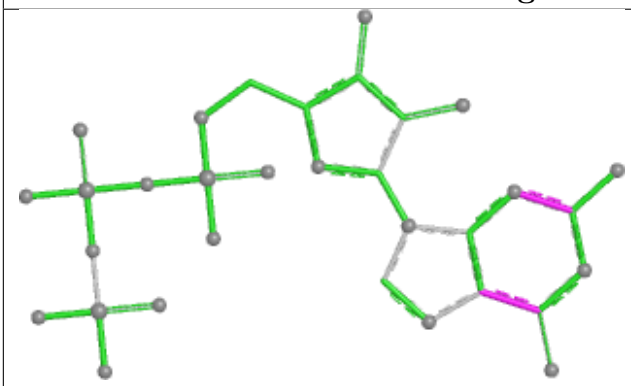

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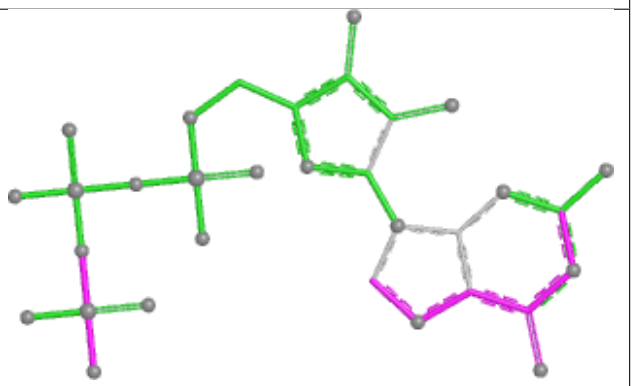

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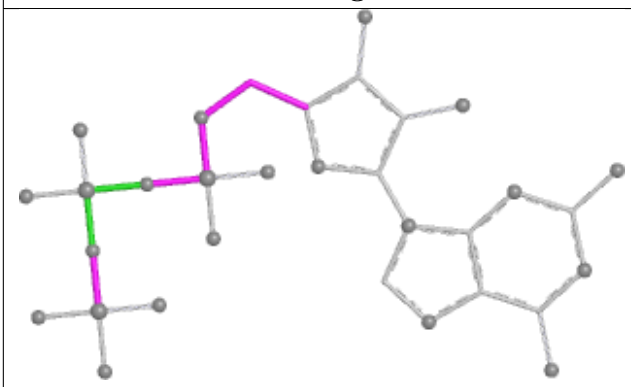

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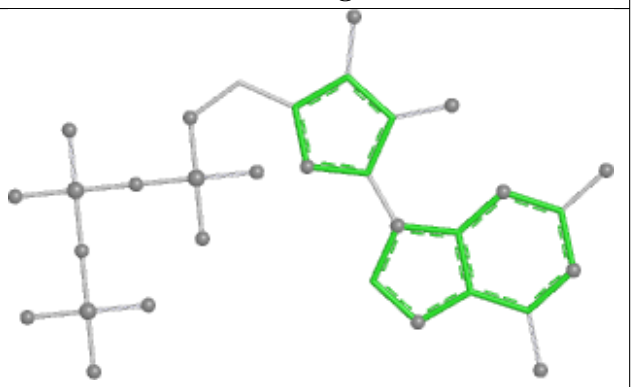

Rings

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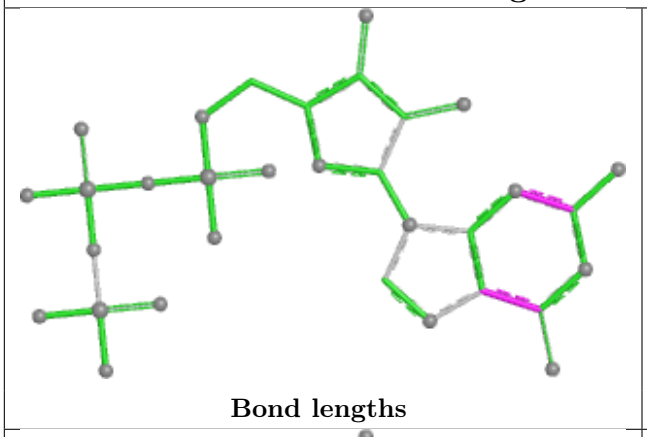

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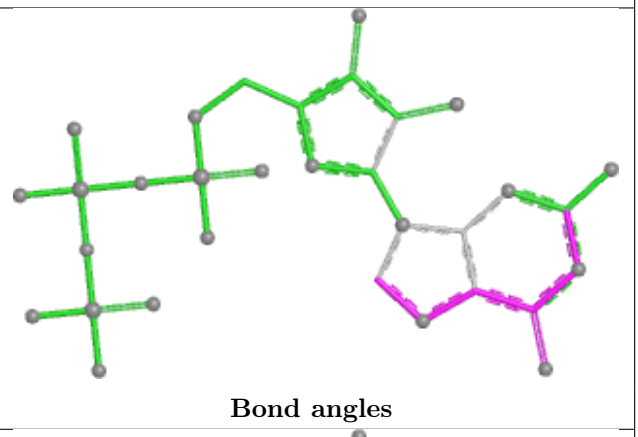

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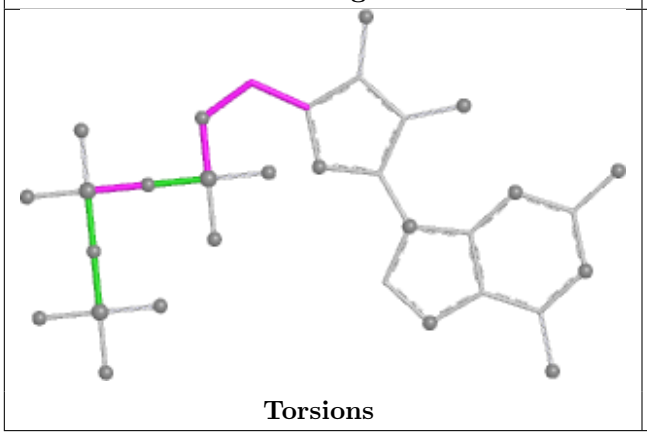

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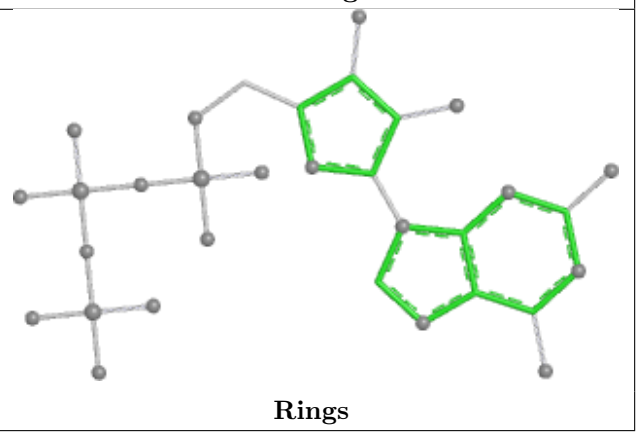

Rings

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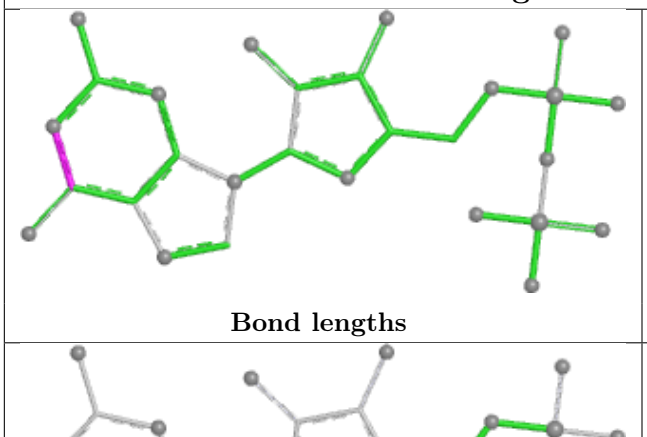

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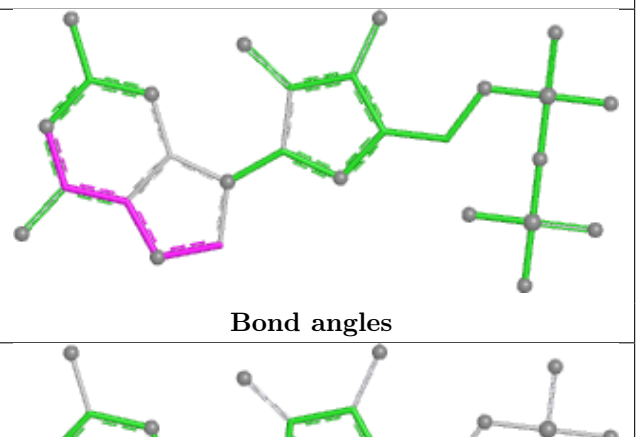

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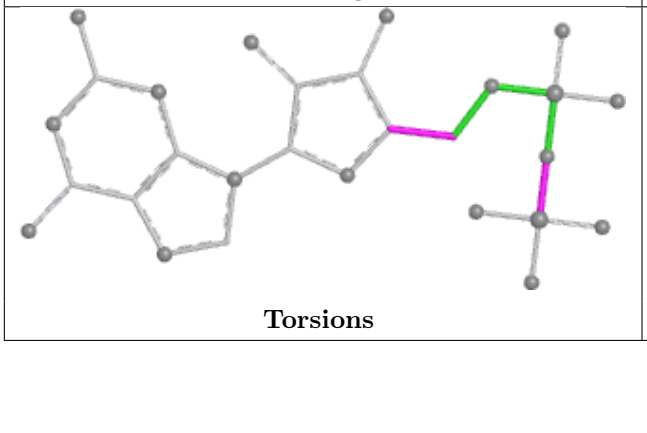

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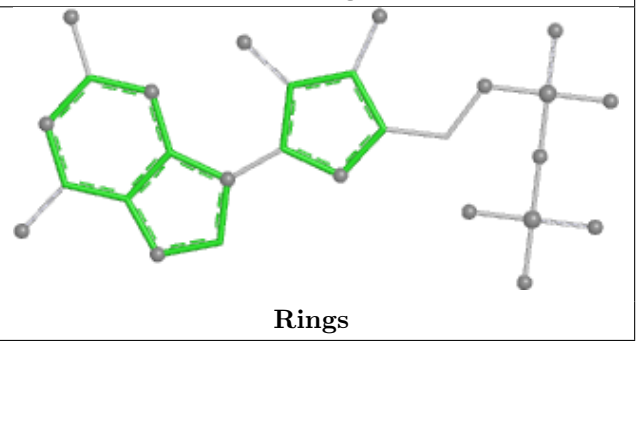

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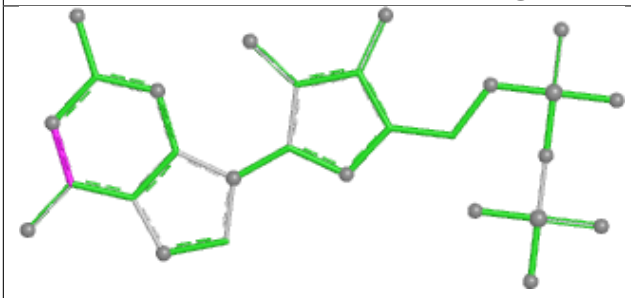

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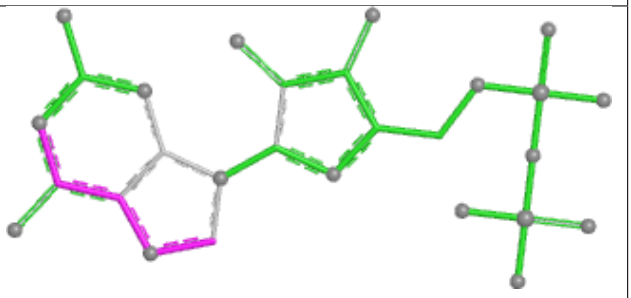

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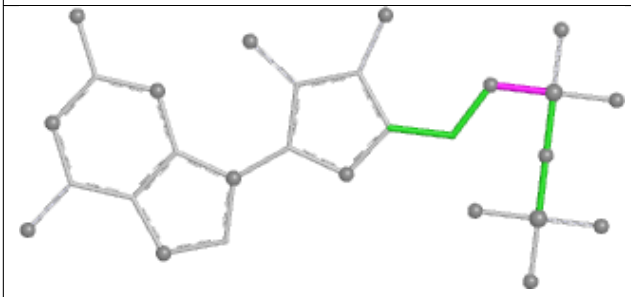

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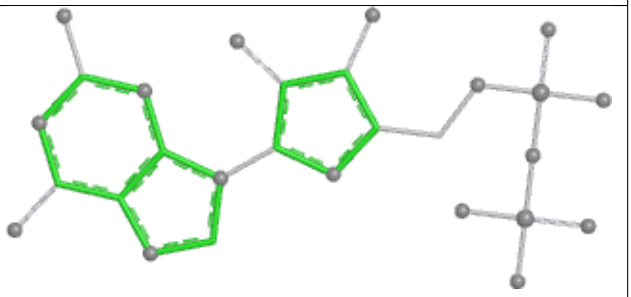

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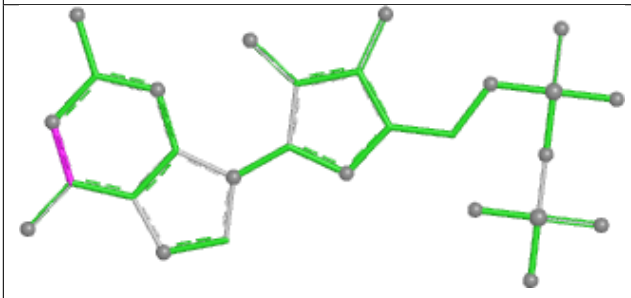

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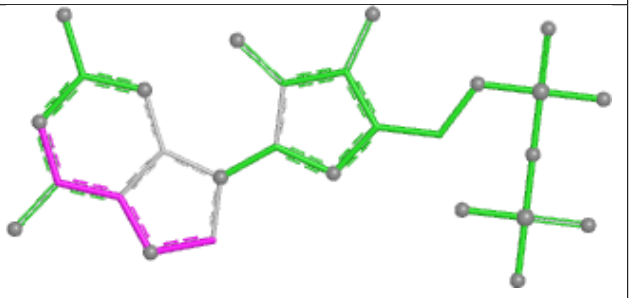

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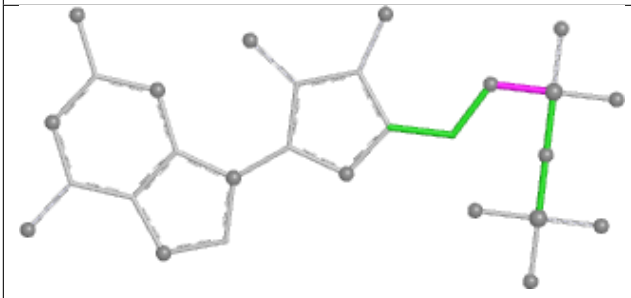

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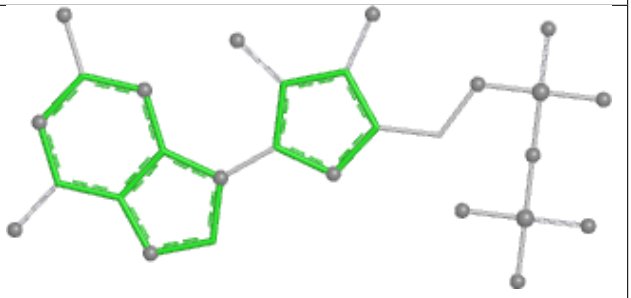

Rings

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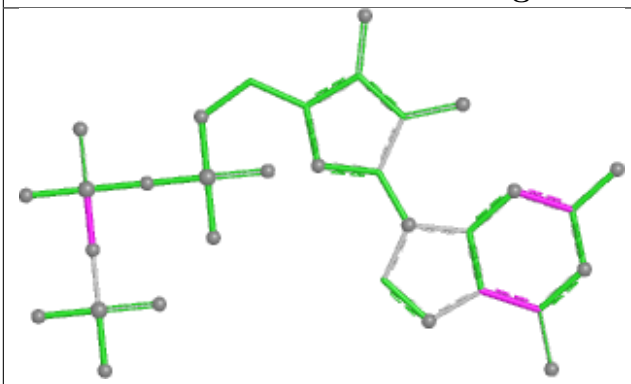

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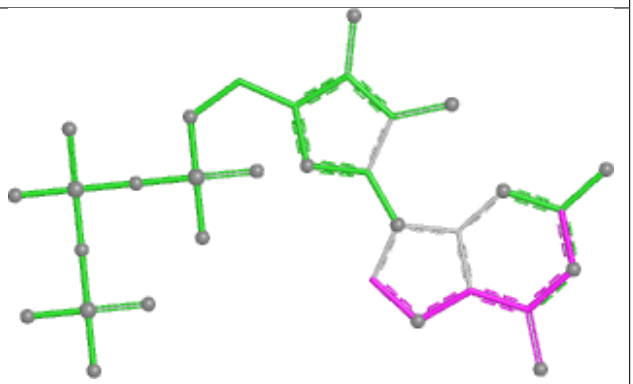

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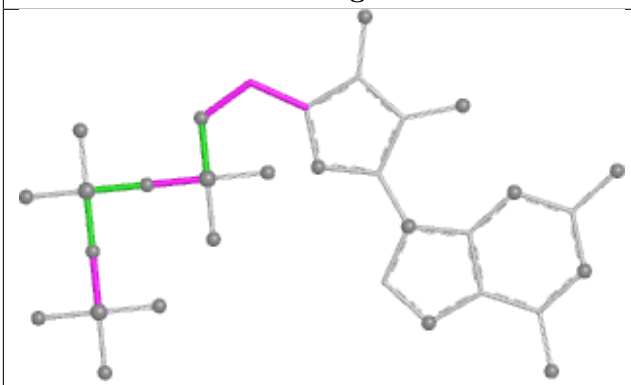

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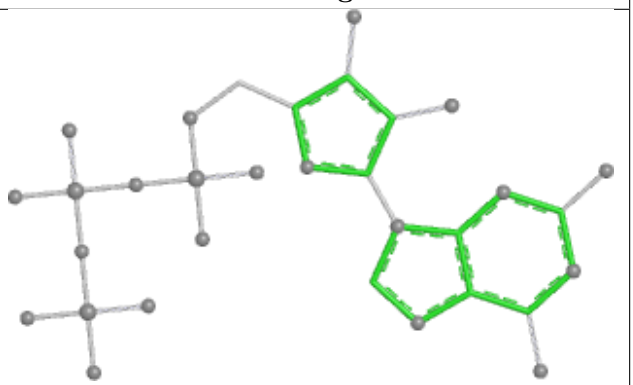

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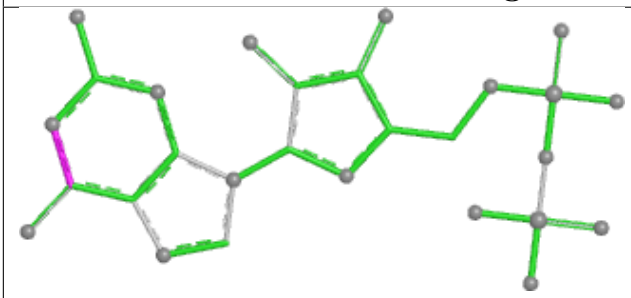

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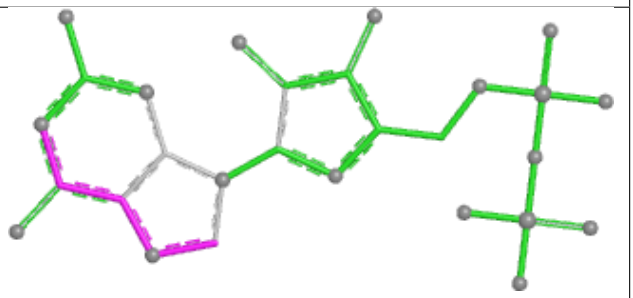

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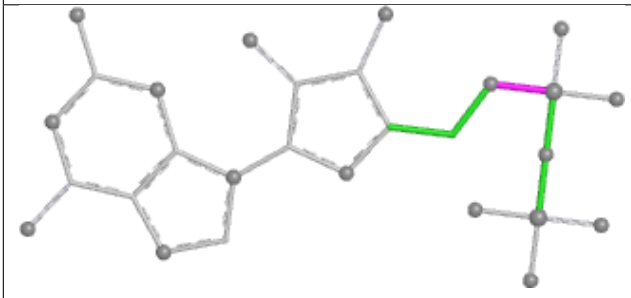

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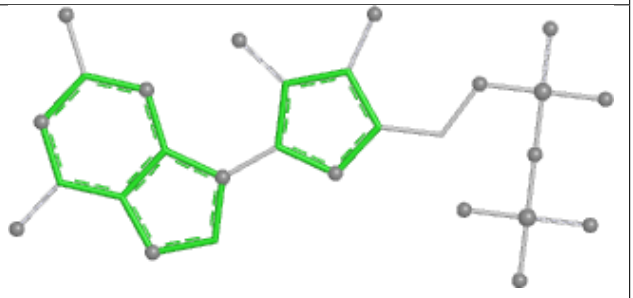

Rings

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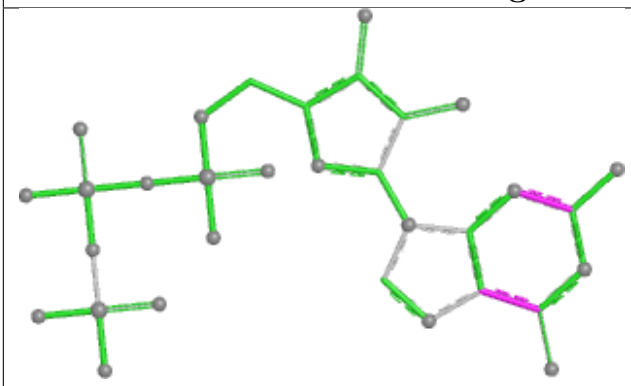

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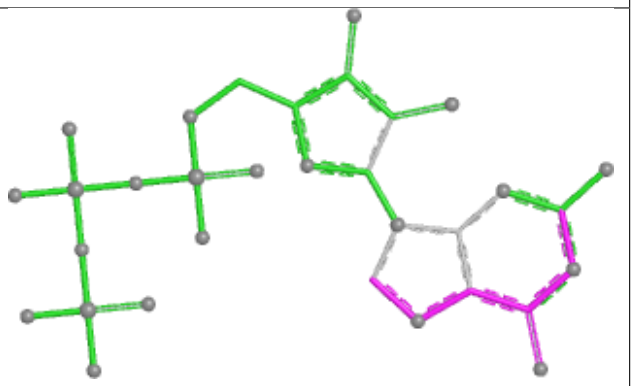

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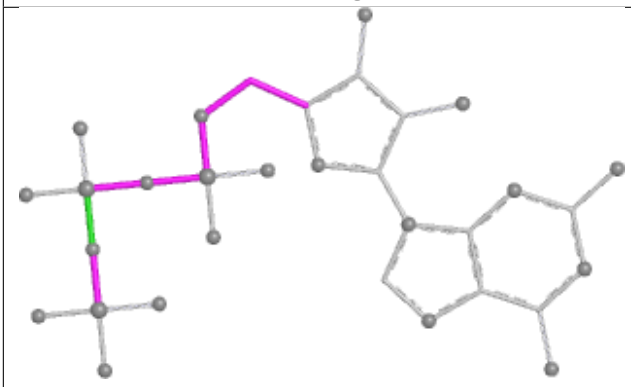

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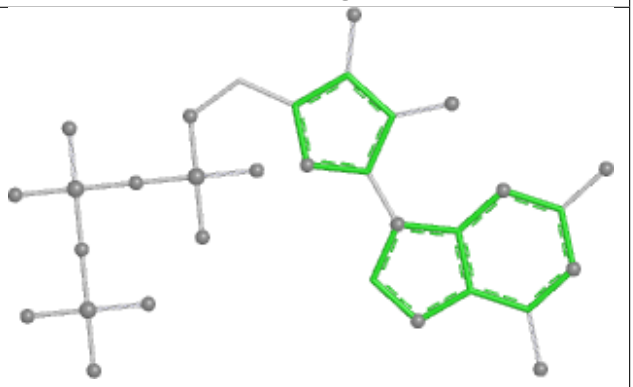

Rings

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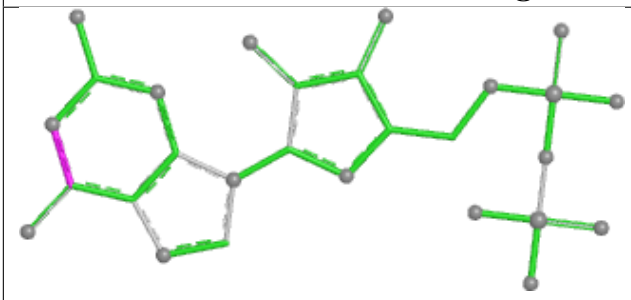

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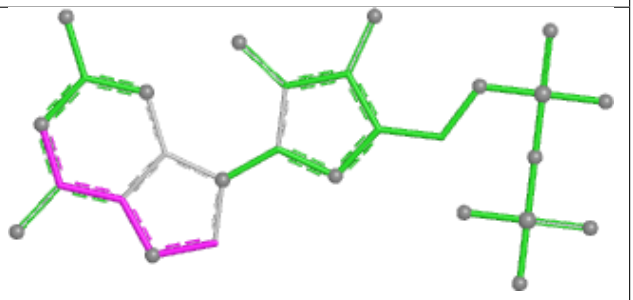

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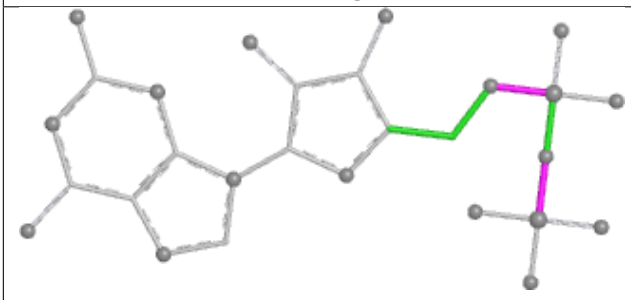

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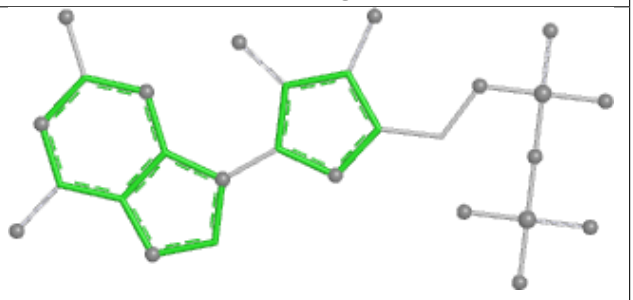

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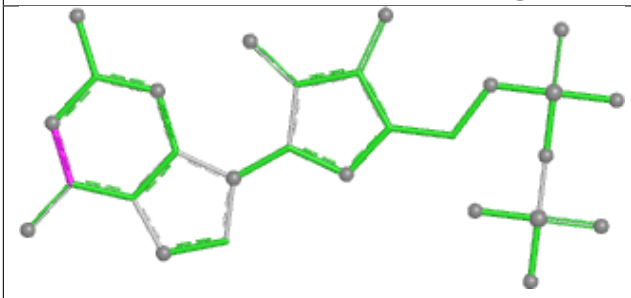
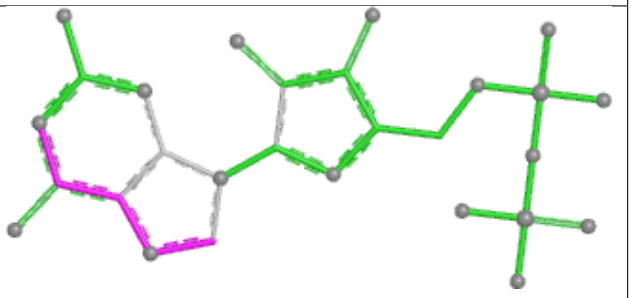
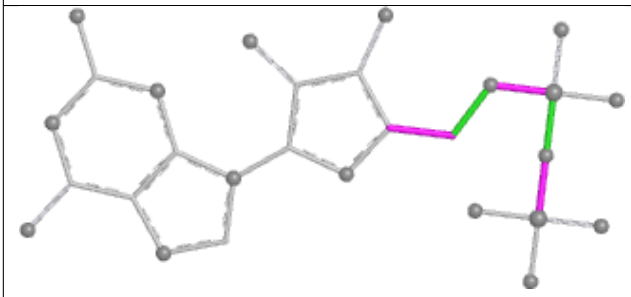
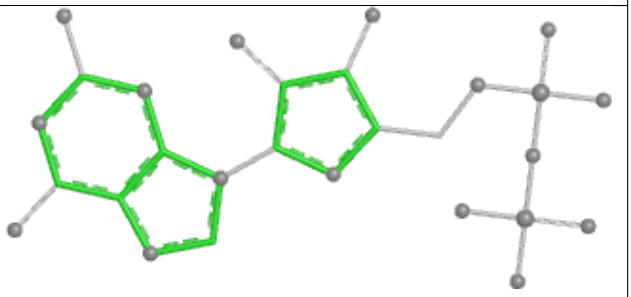
 Bond lengths	 Bond angles
 Torsions	 Rings

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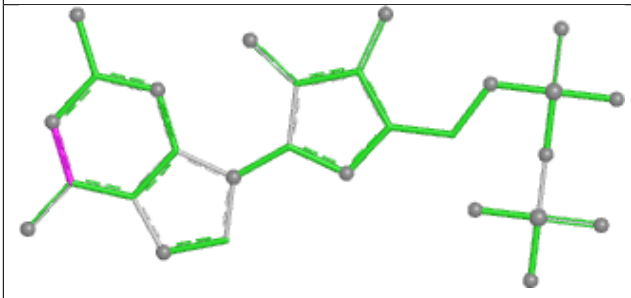
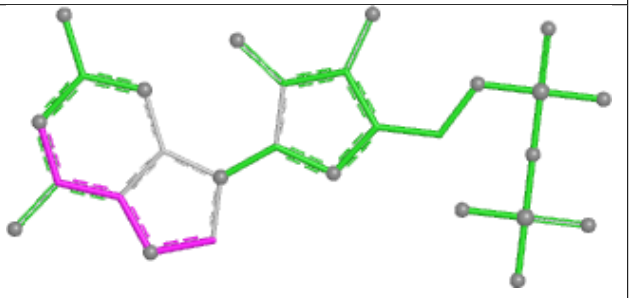
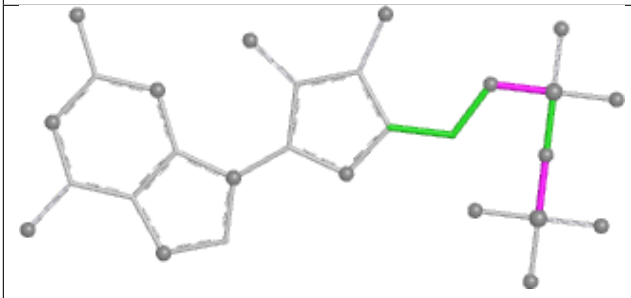
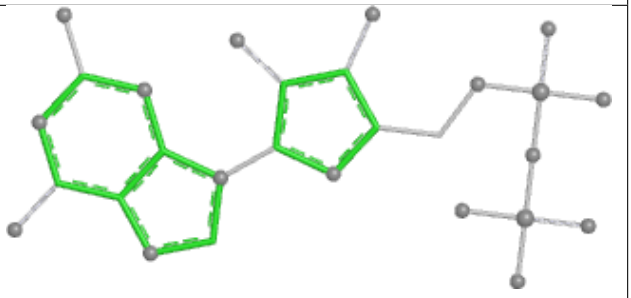
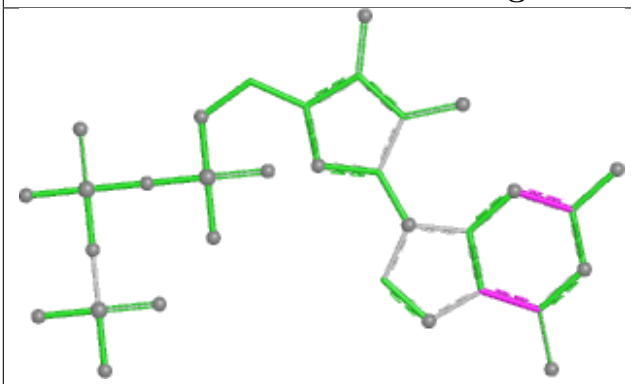
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Bm 501



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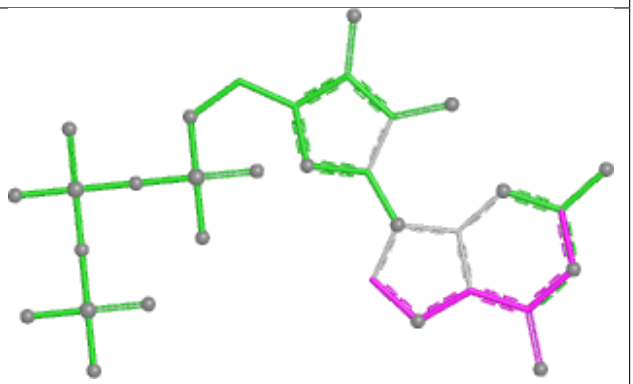

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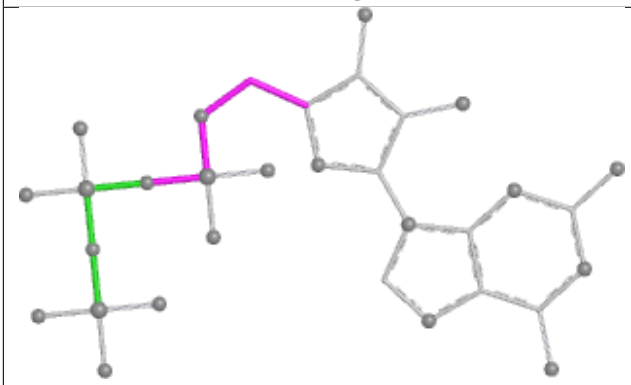

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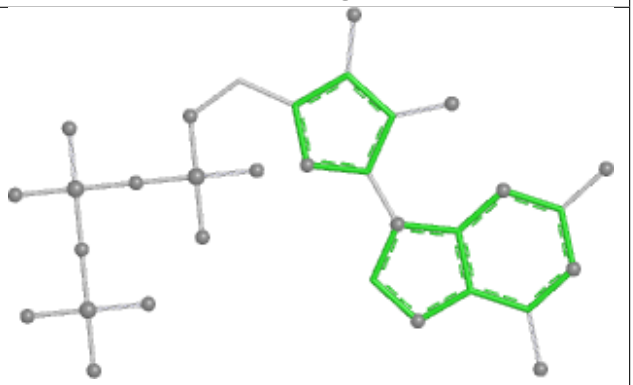
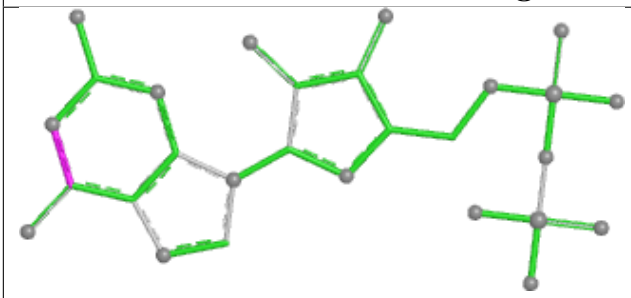


Rings

Ligand GDP 2S 502



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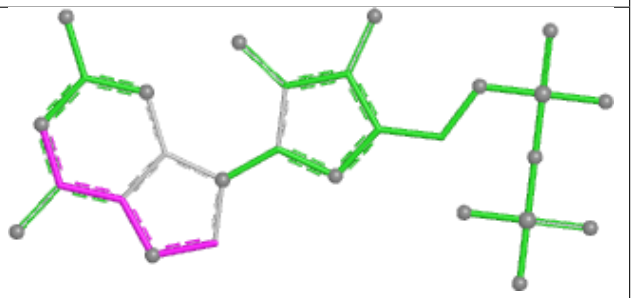

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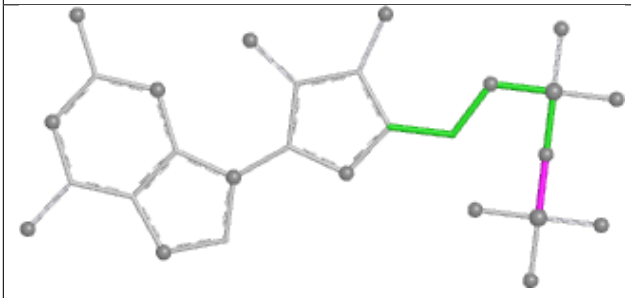

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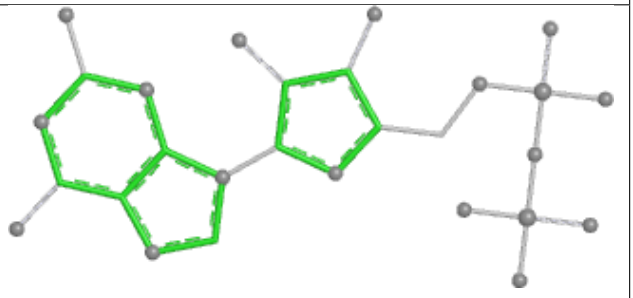
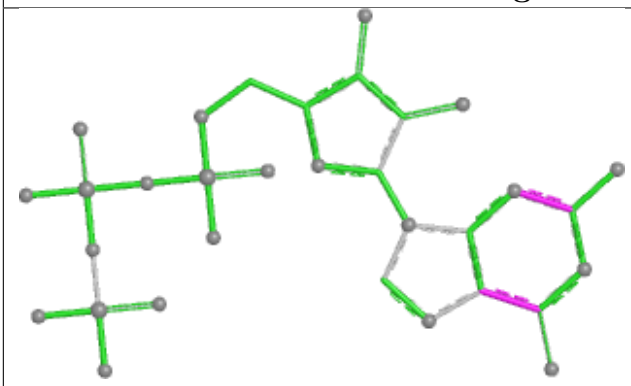


Rings

Ligand GTP O0 501



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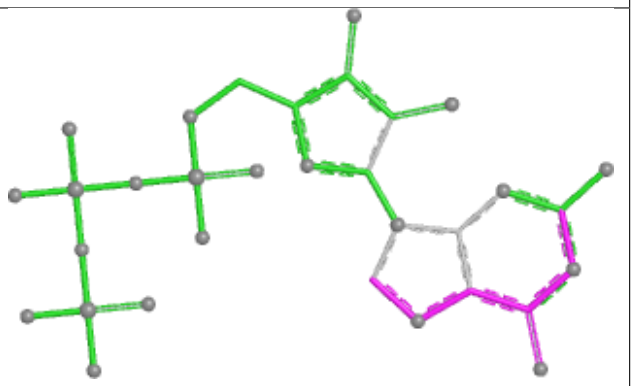

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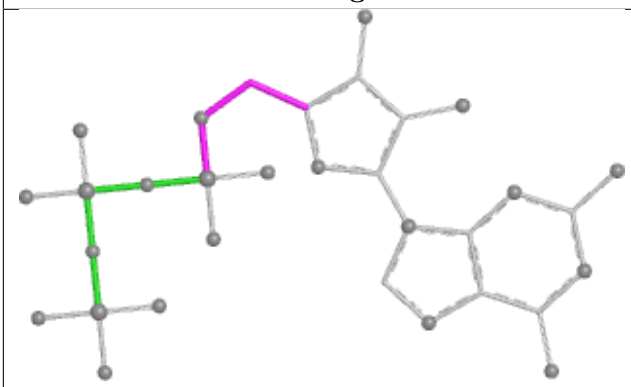

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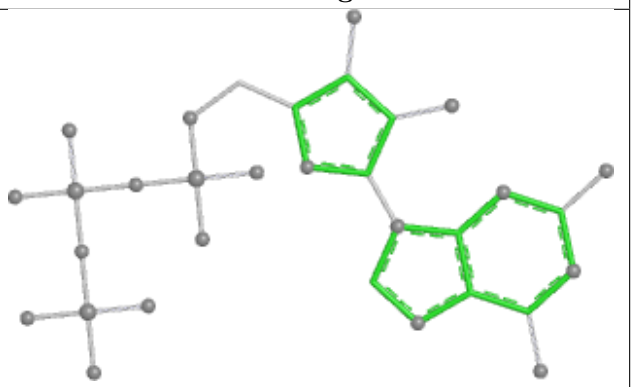
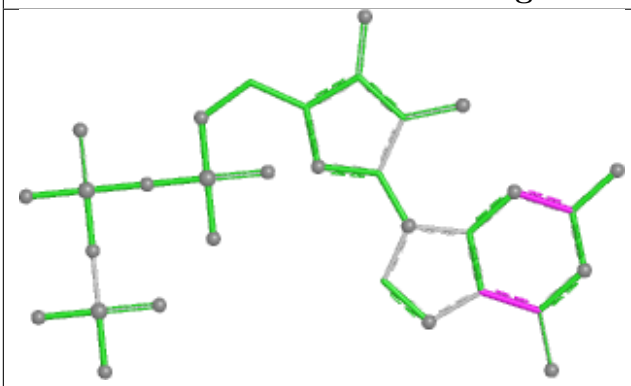


Rings

Ligand GTP F3 501



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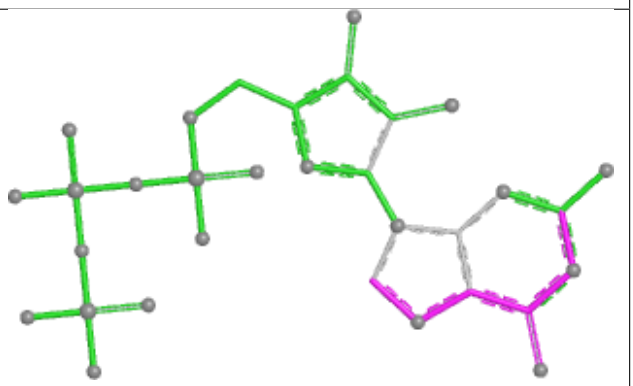

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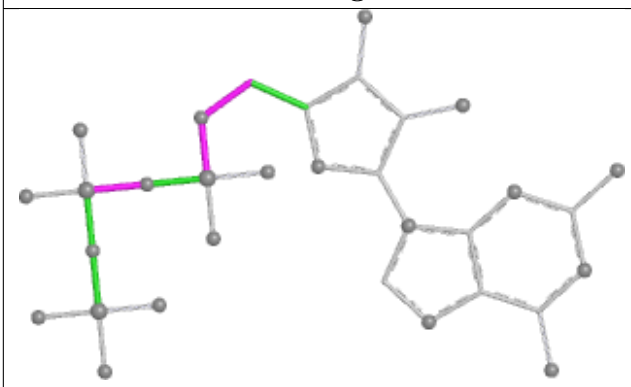

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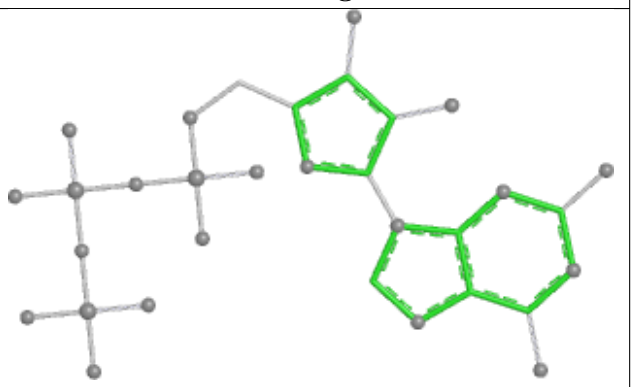

Rings

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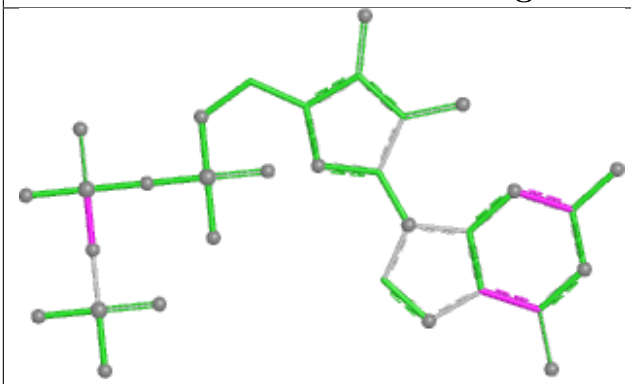

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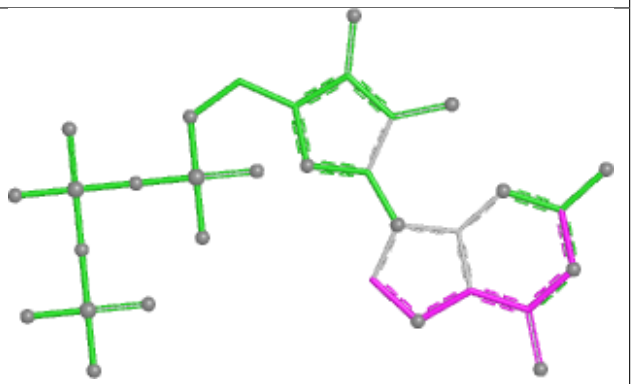

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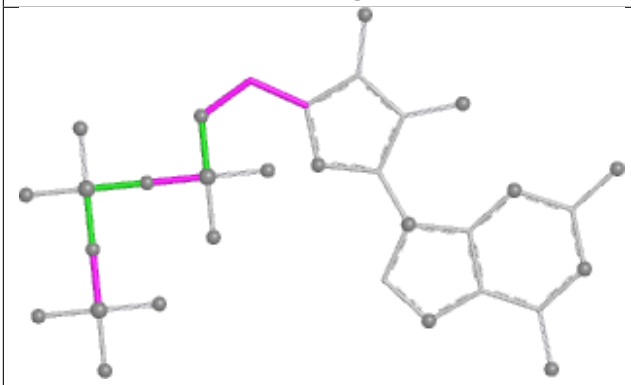

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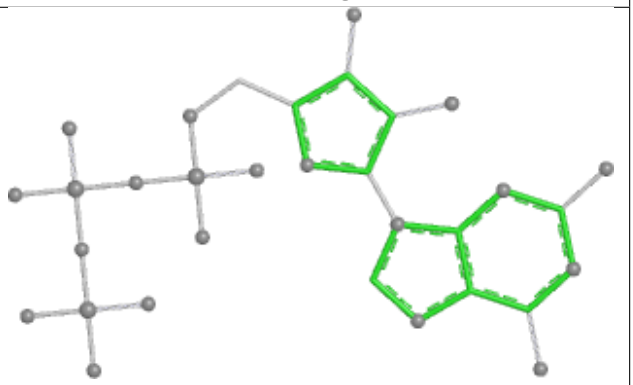

Rings

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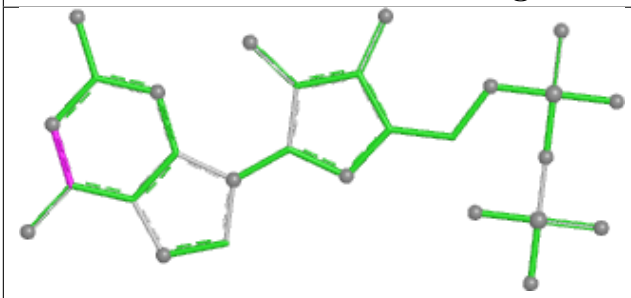

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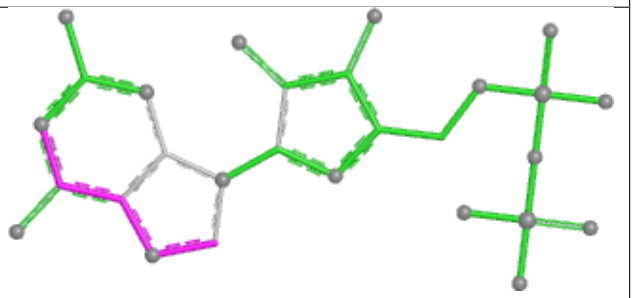

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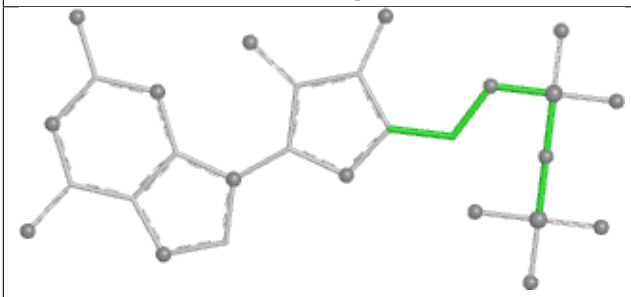

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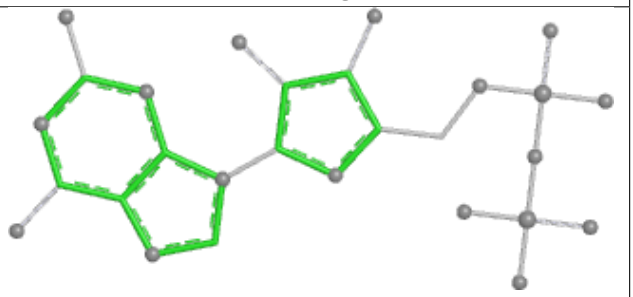

Rings

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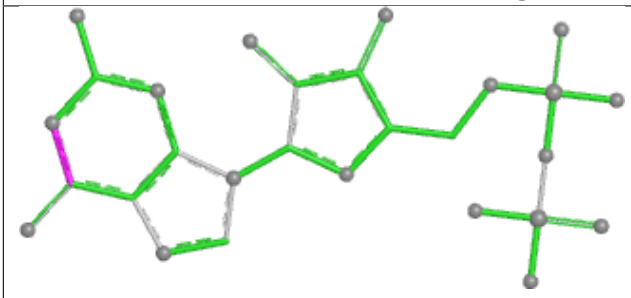

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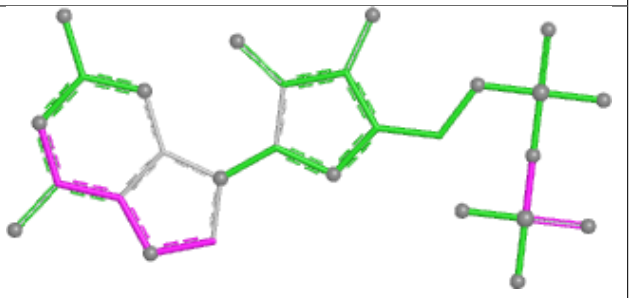

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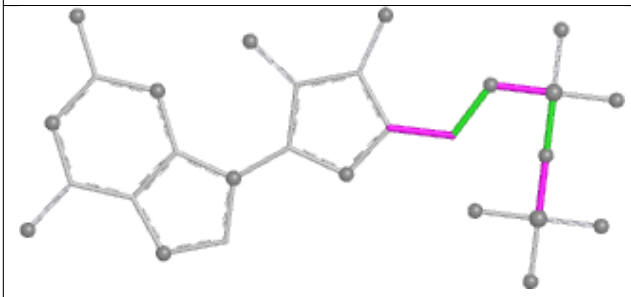

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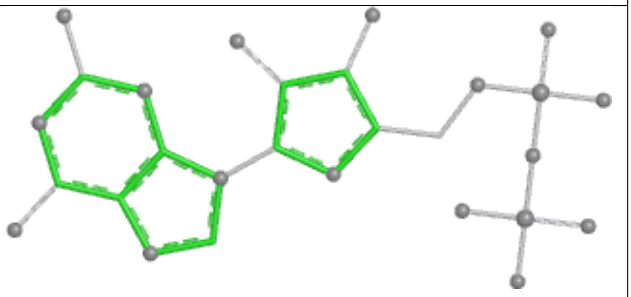
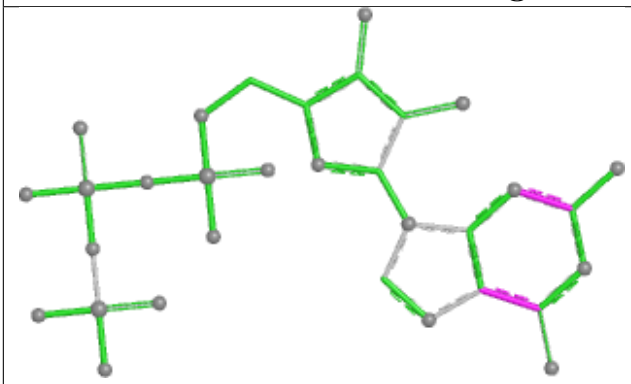


Rings

Ligand GTP 1W 501



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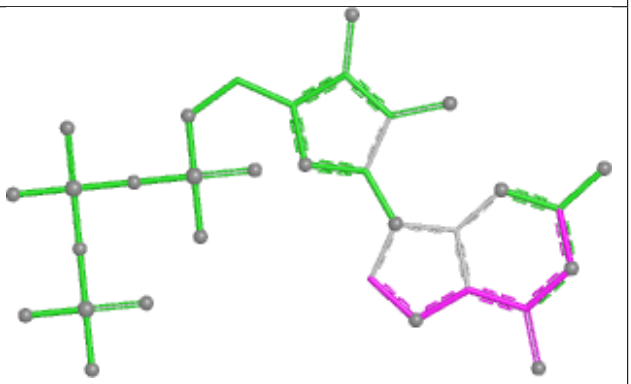

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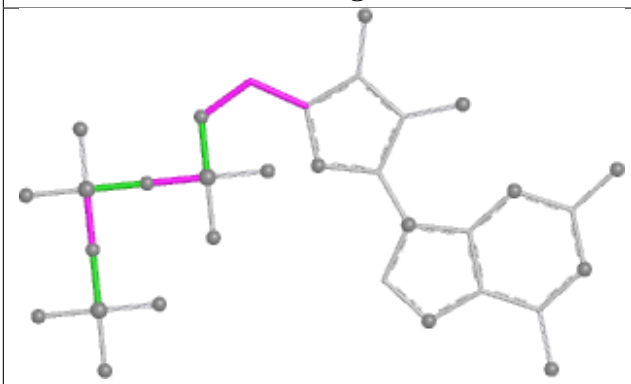

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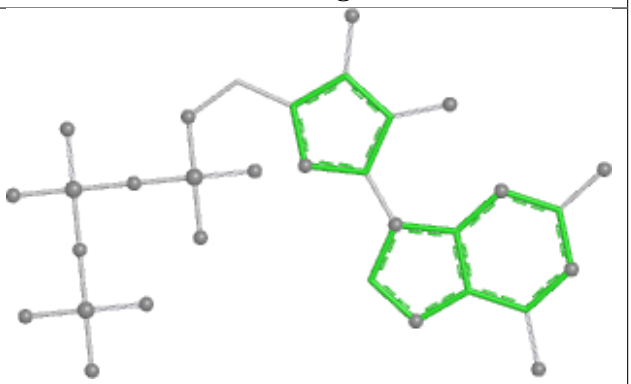

Rings

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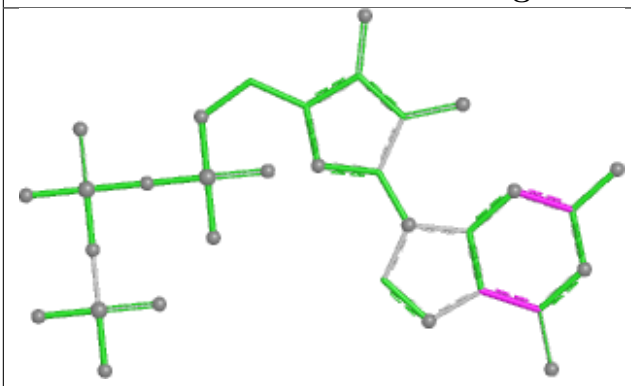

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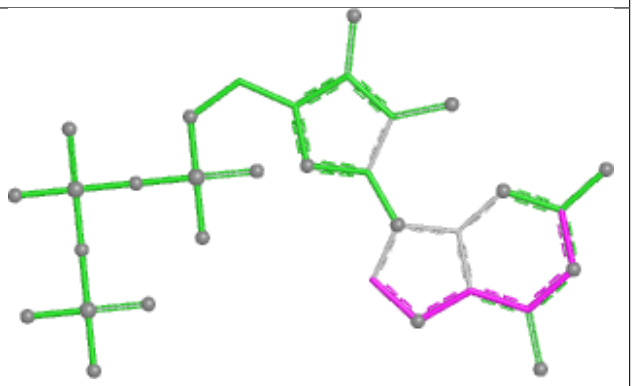

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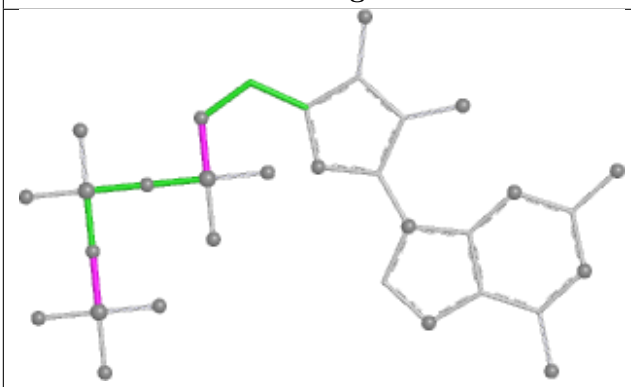

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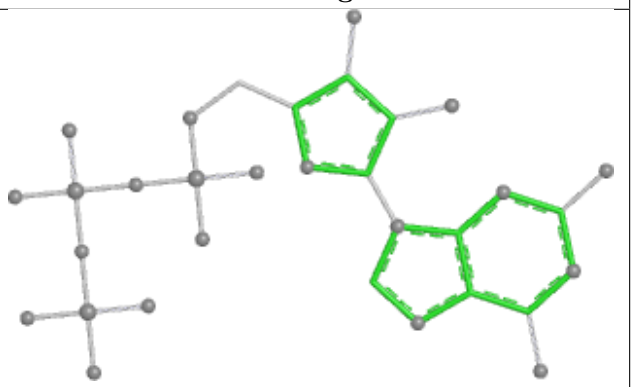

Rings

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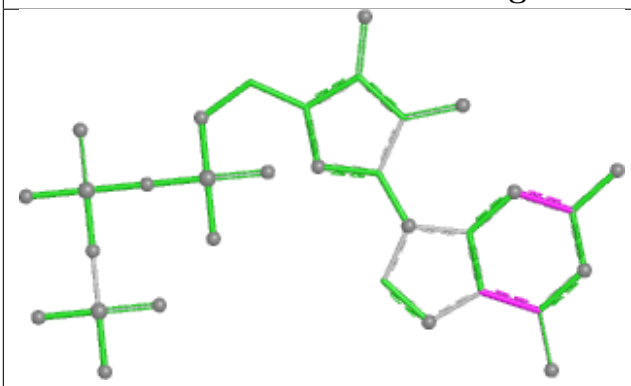

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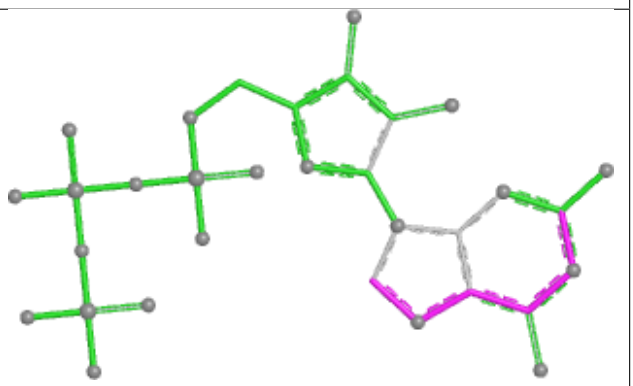

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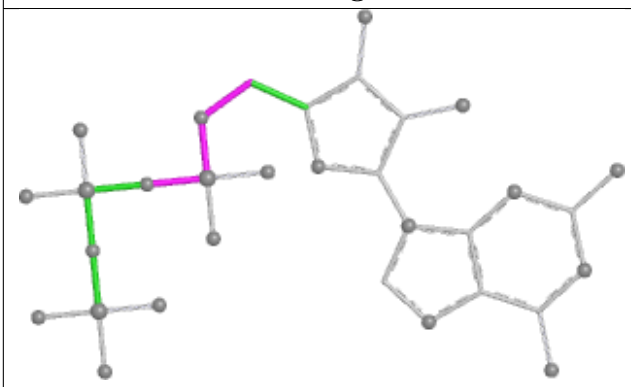

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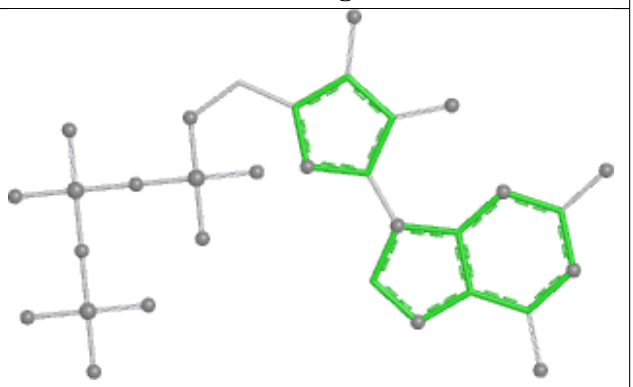
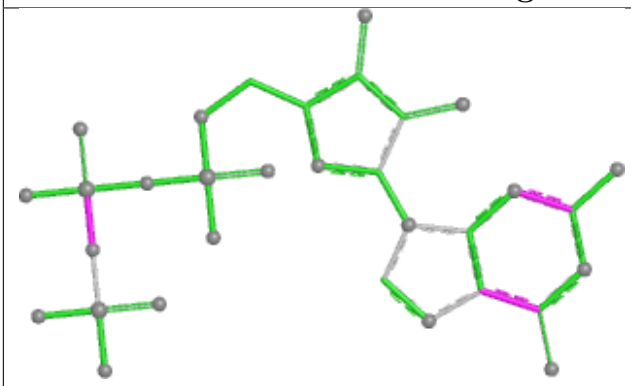


Rings

Ligand GTP S5 501



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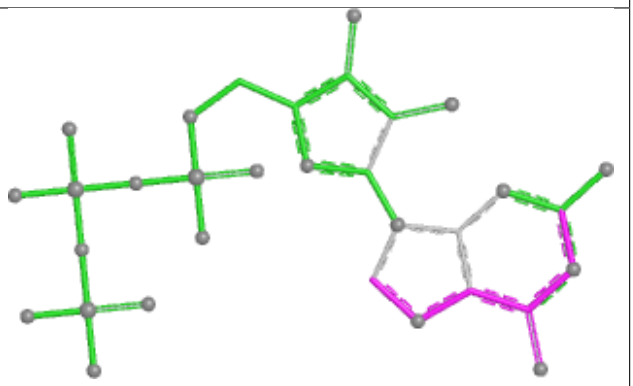

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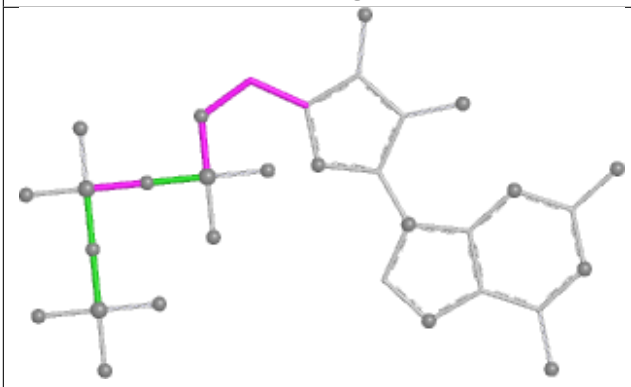

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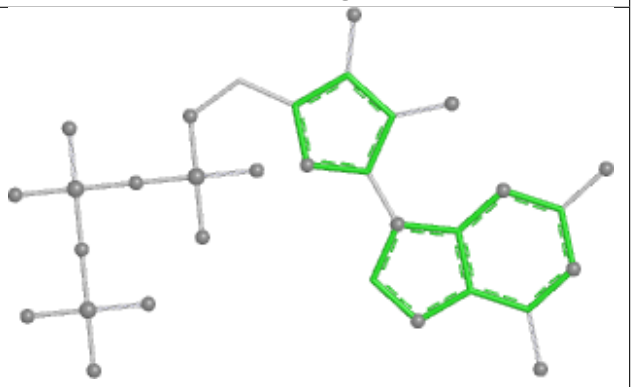
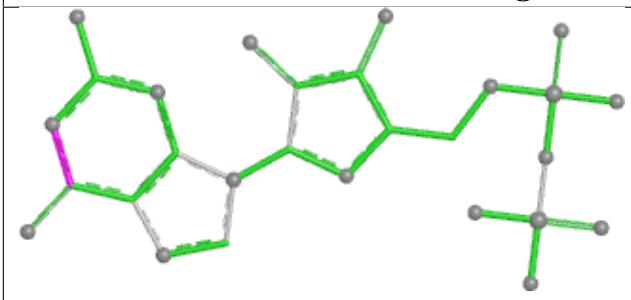


Rings

Ligand GDP Z8 501



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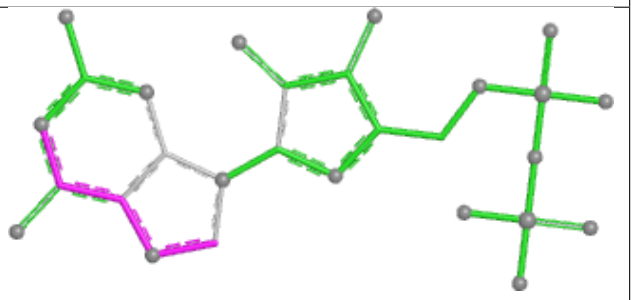

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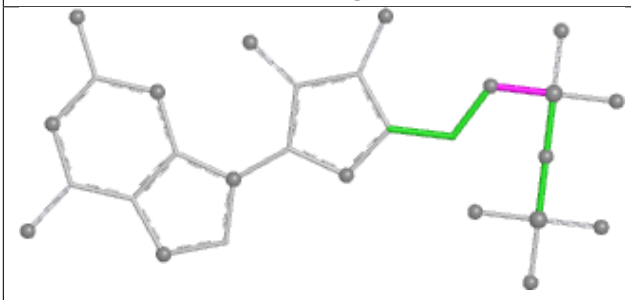

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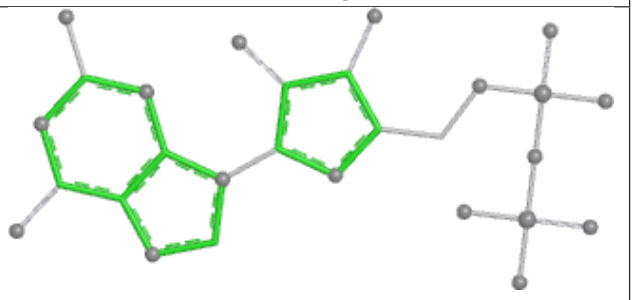
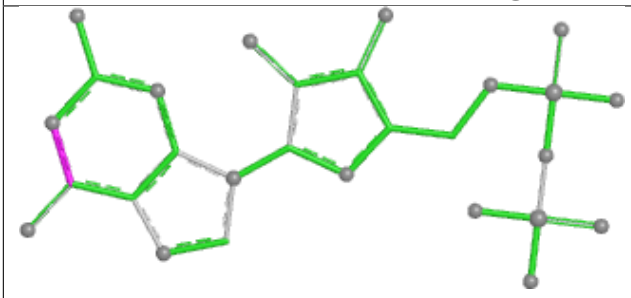
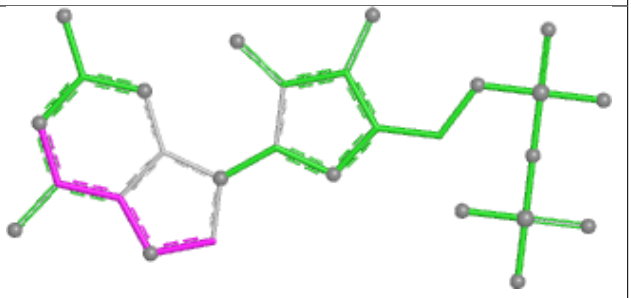
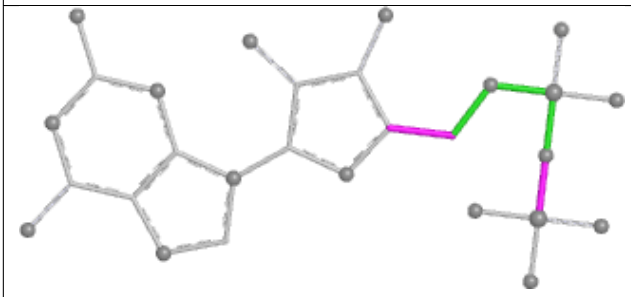
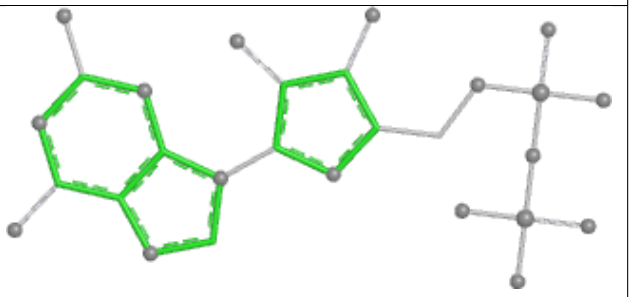


Rings

Ligand GDP 2W 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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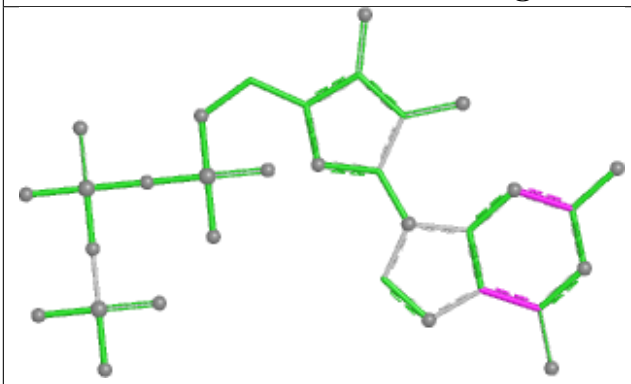
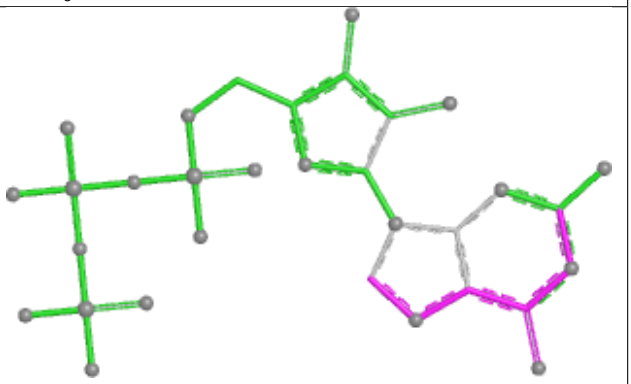
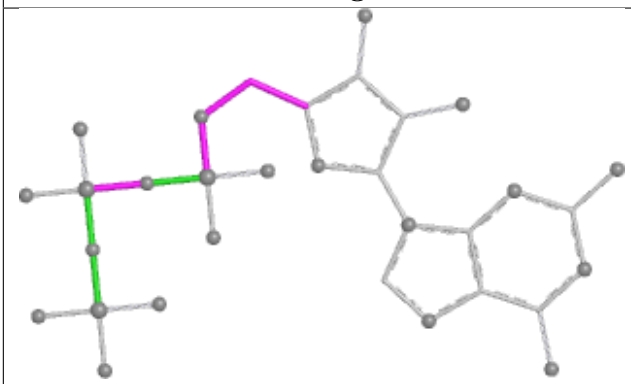
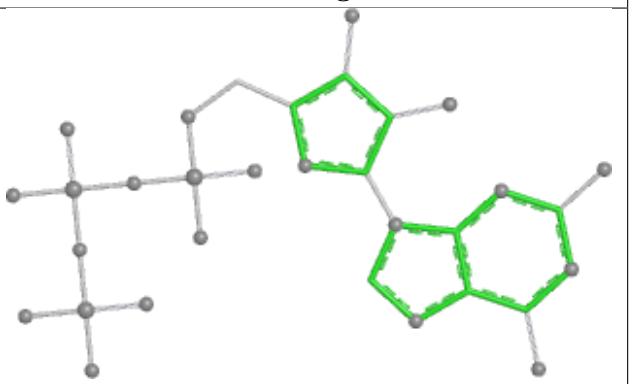
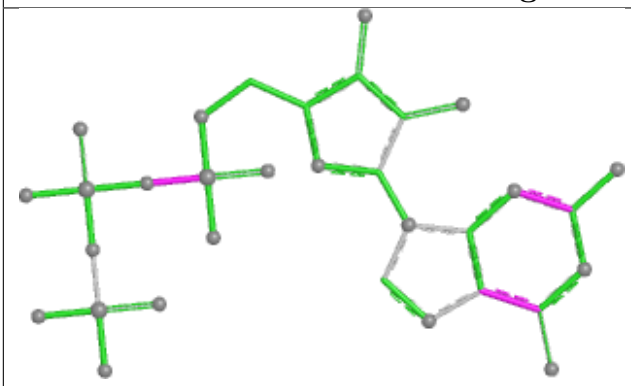
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Iy 501



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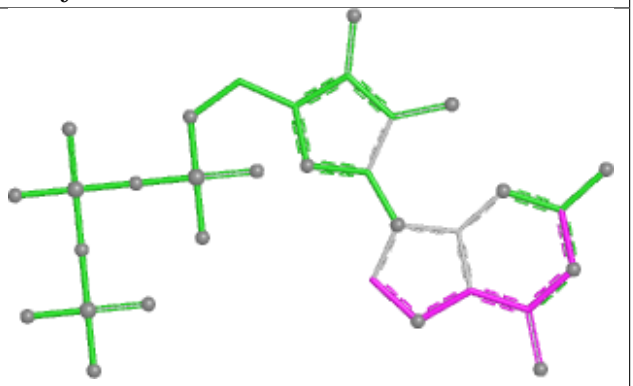

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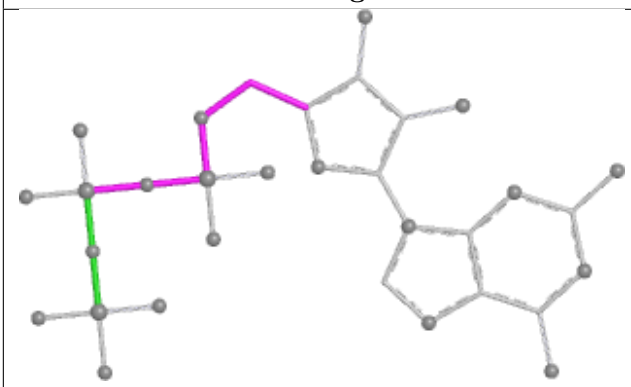

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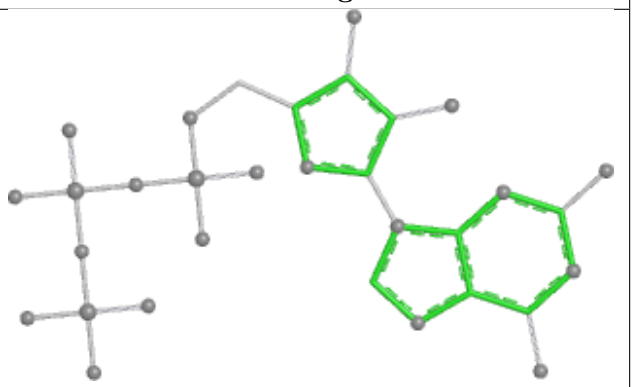
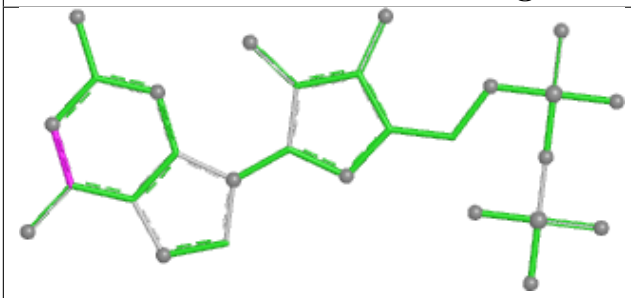


Rings

Ligand GDP FI 502



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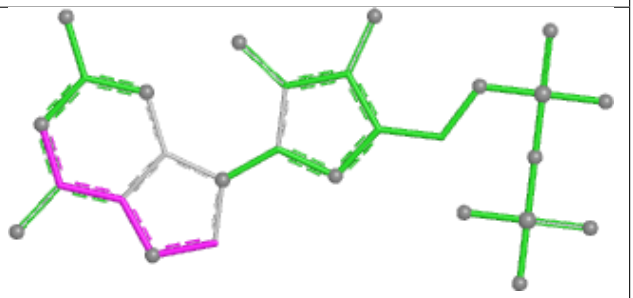

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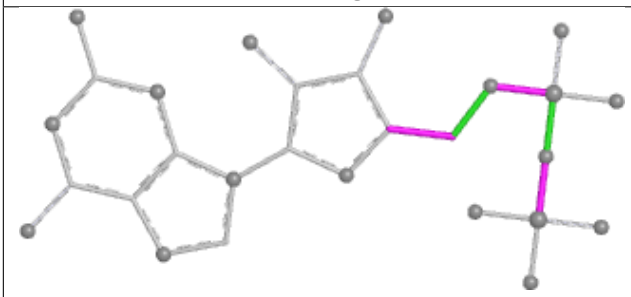

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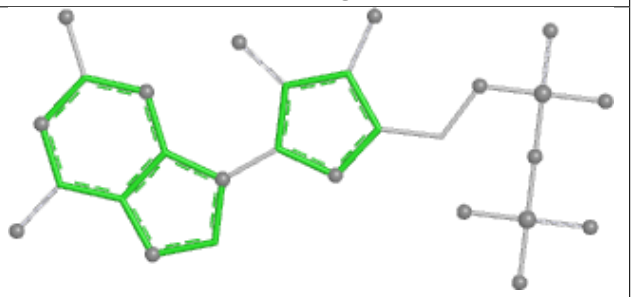

Rings

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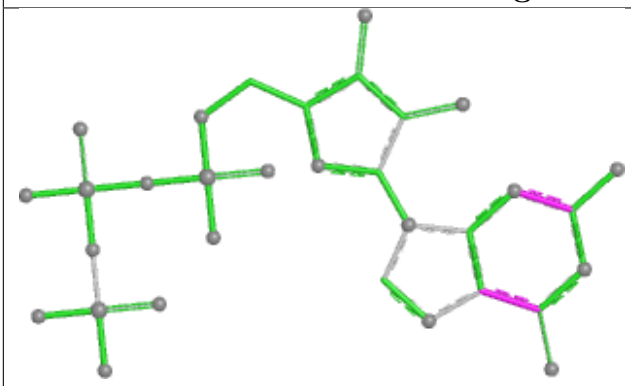

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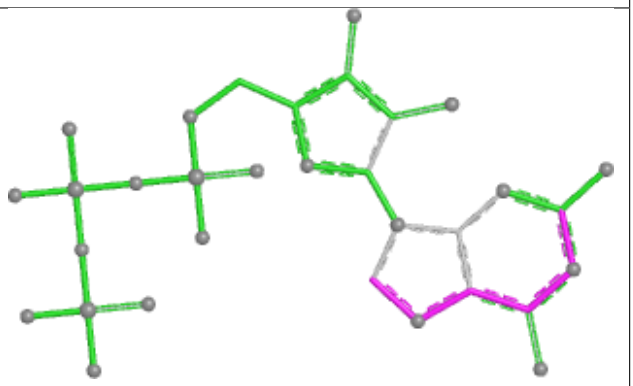

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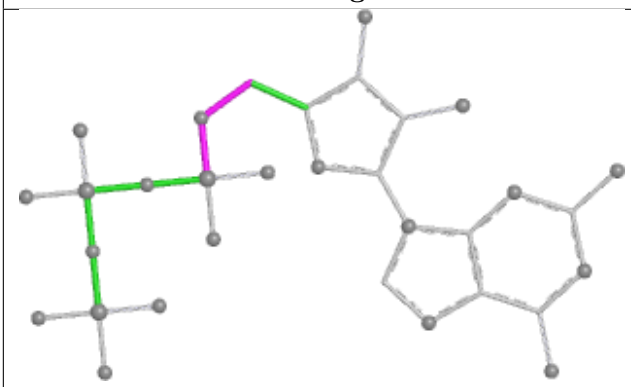

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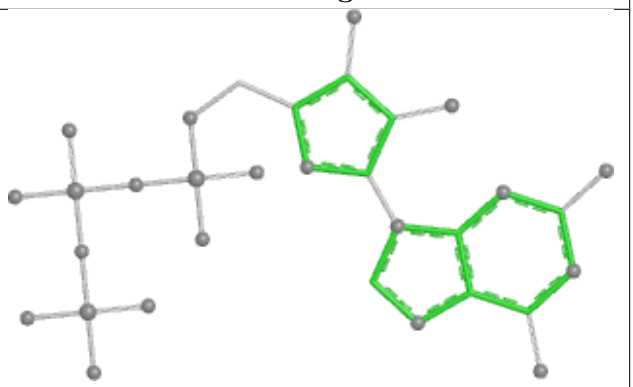
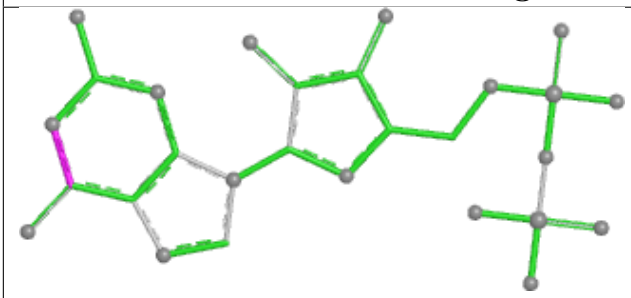


Rings

Ligand GDP E6 502



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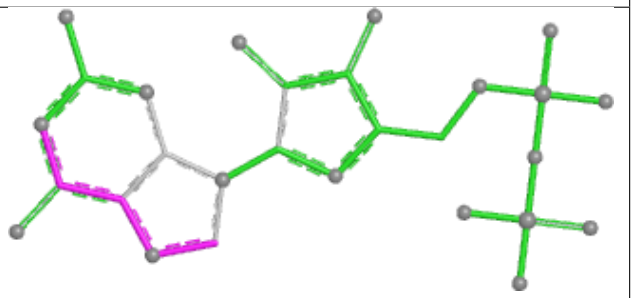

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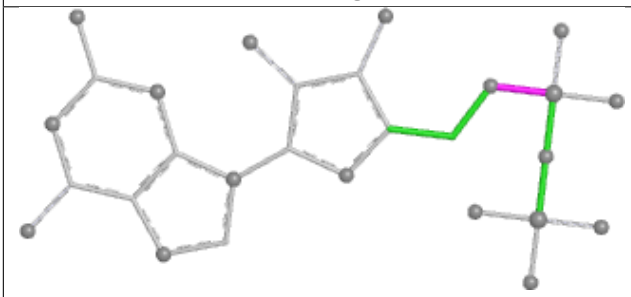

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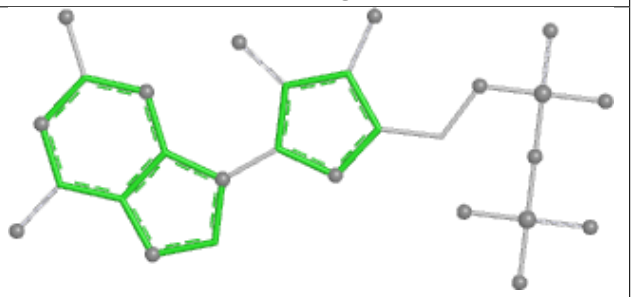

Rings

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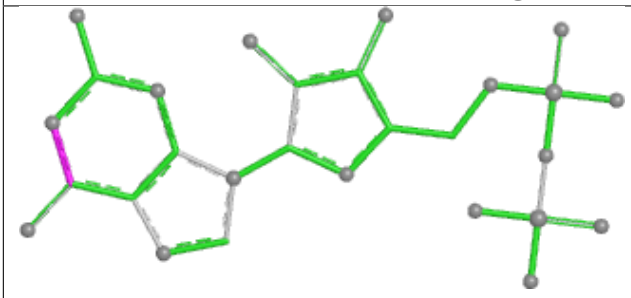
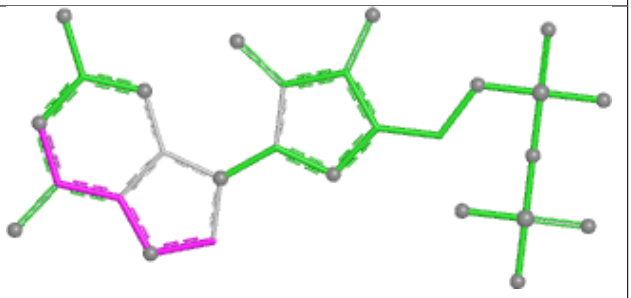
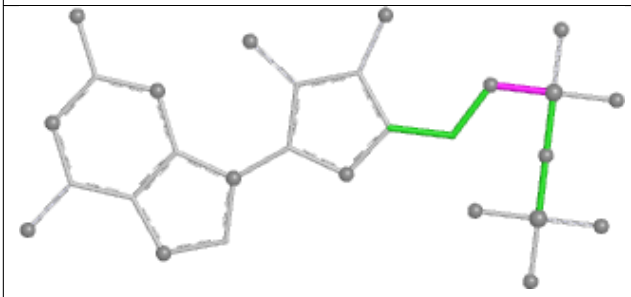
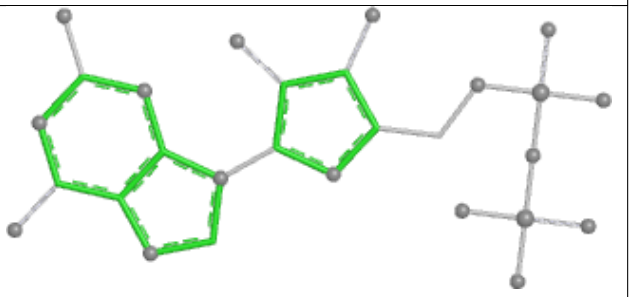
 Bond lengths	 Bond angles
 Torsions	 Rings

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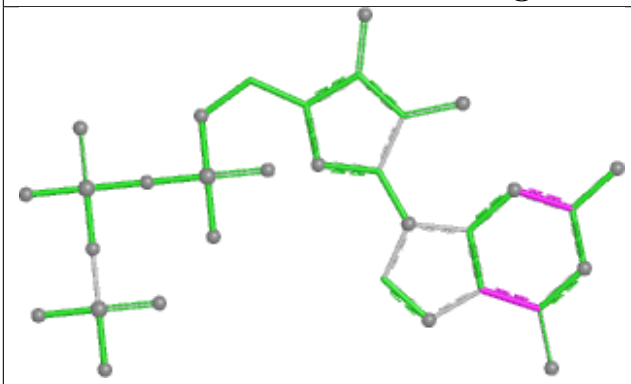
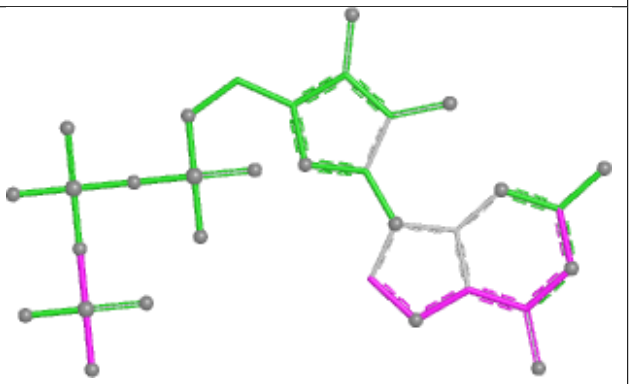
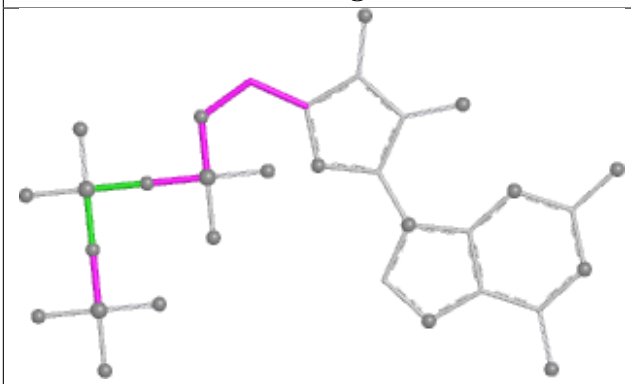
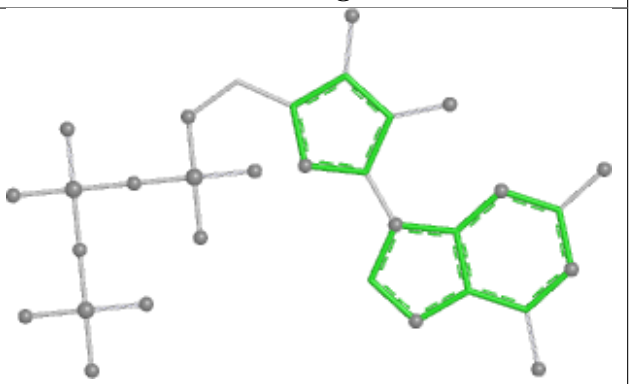
 Bond lengths	 Bond angles
 Torsions	 Rings

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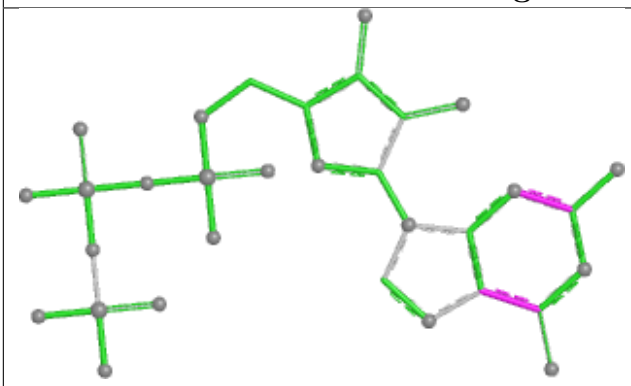

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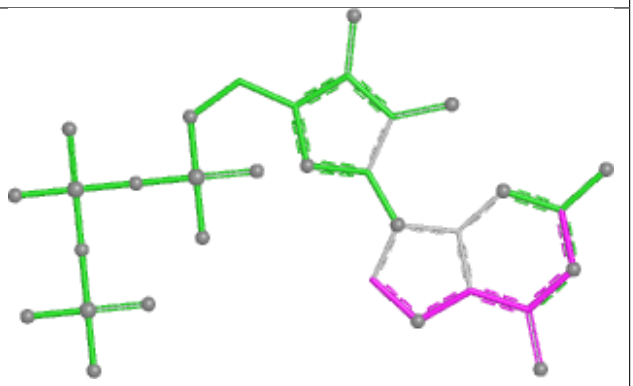

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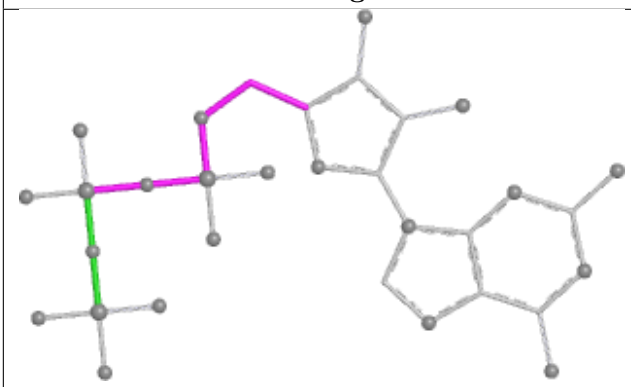

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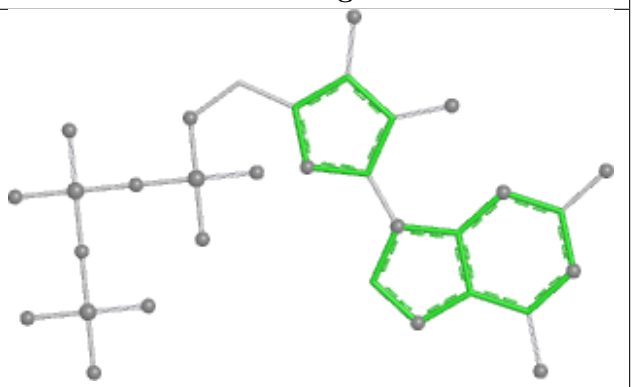
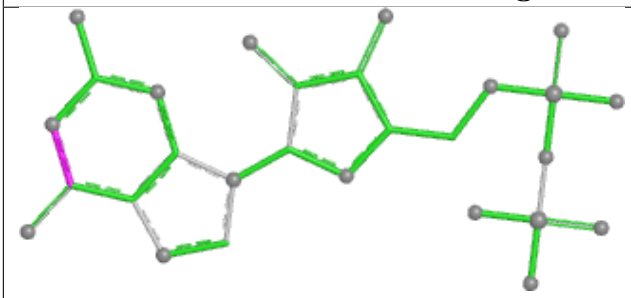


Rings

Ligand GDP Fv 502



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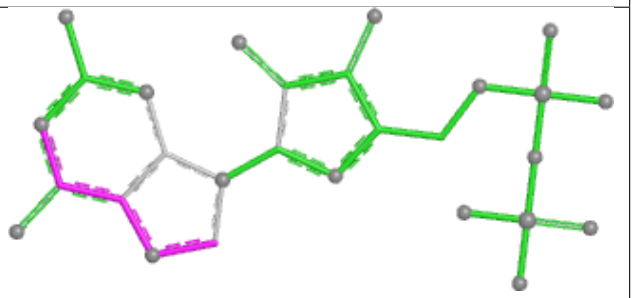

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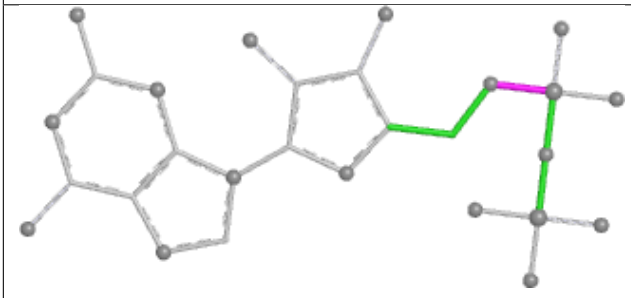

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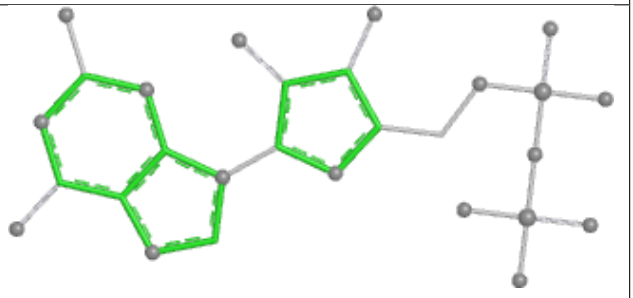

Rings

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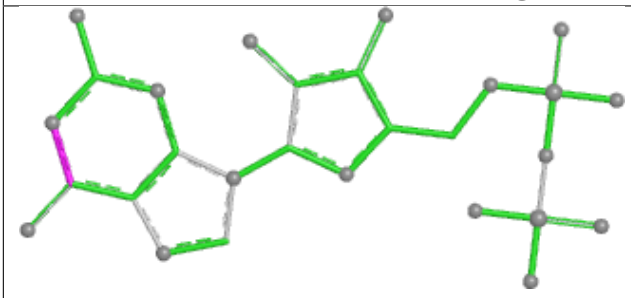
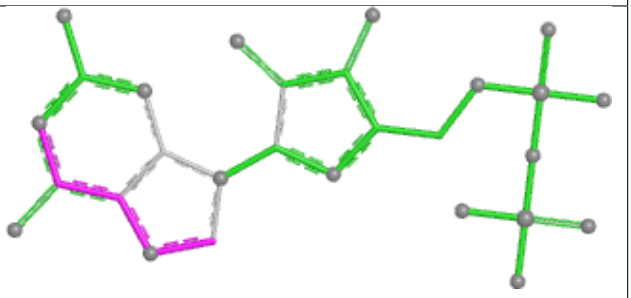
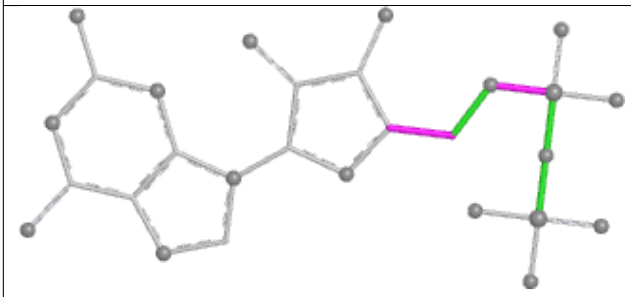
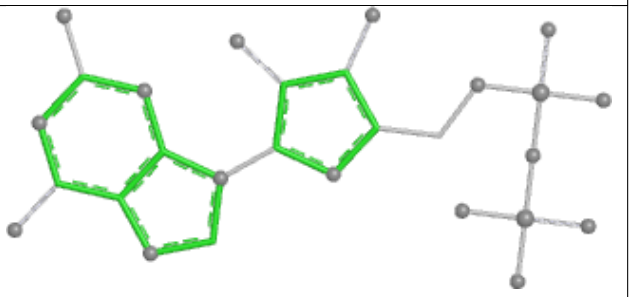
 Bond lengths	 Bond angles
 Torsions	 Rings

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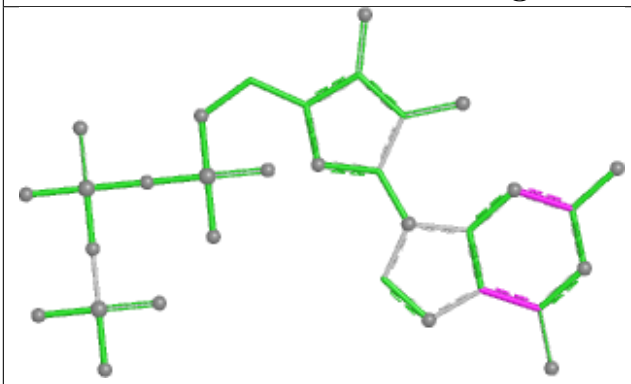
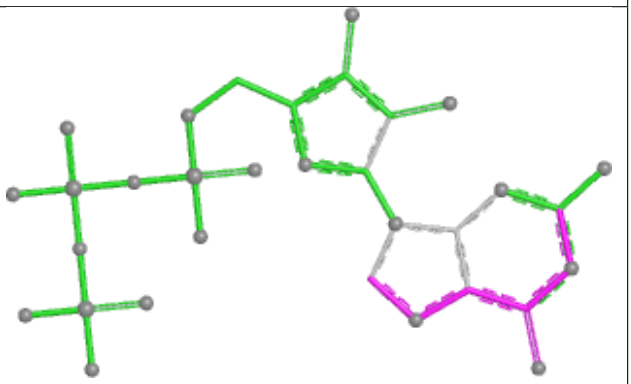
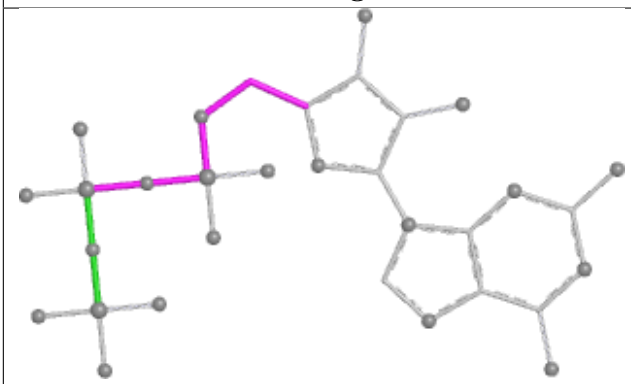
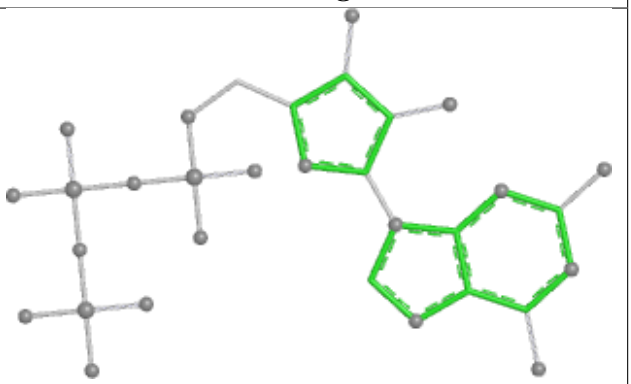
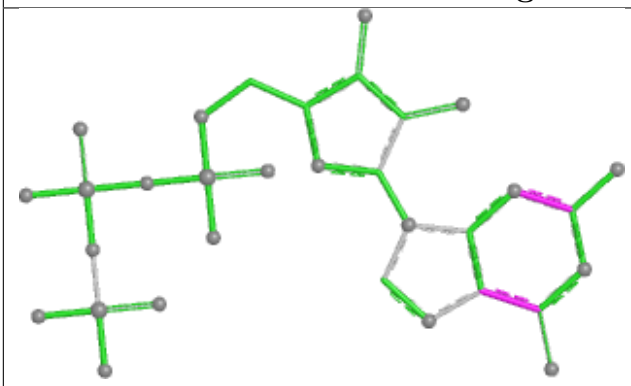
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Ni 501



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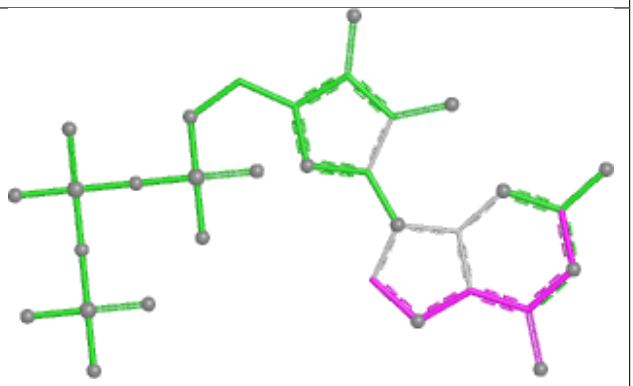

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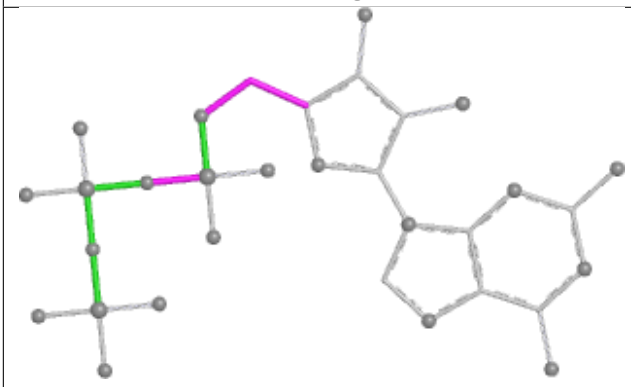

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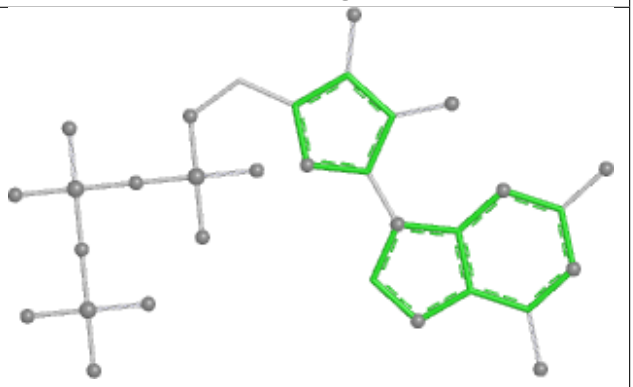
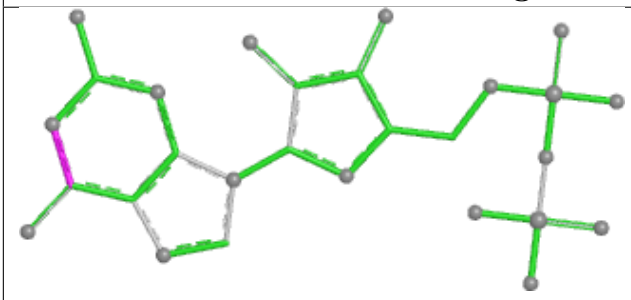


Rings

Ligand GDP Eq 502



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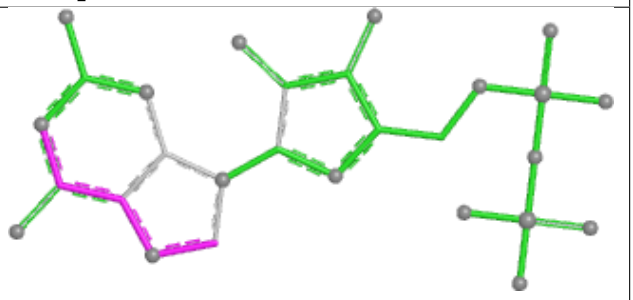

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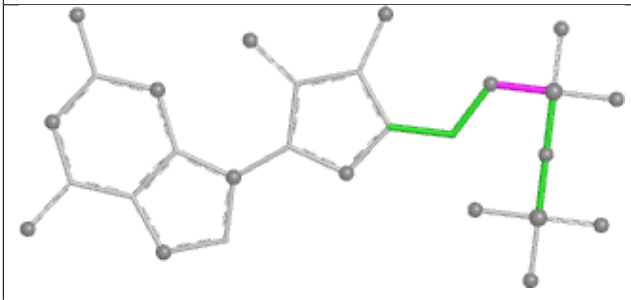

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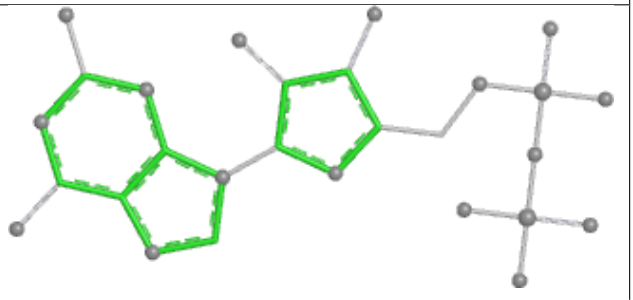
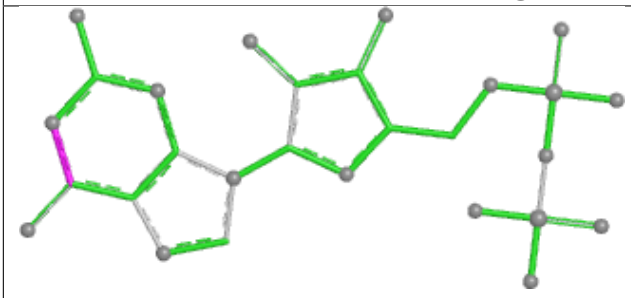
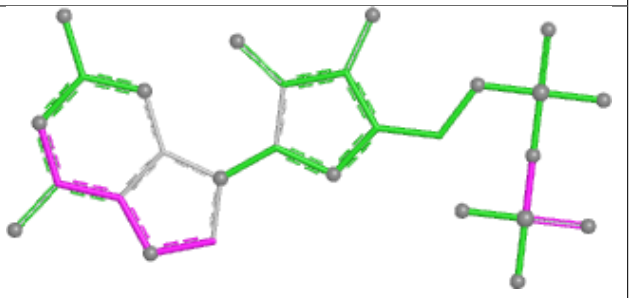
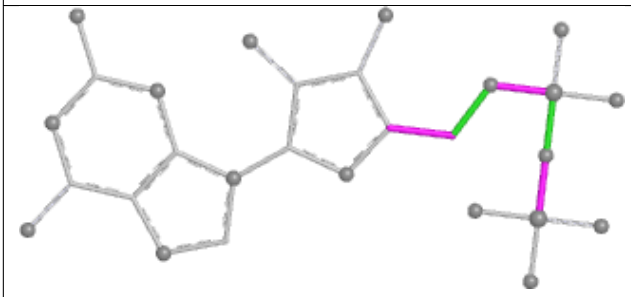
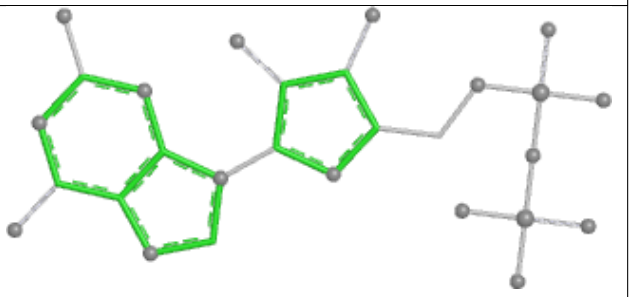
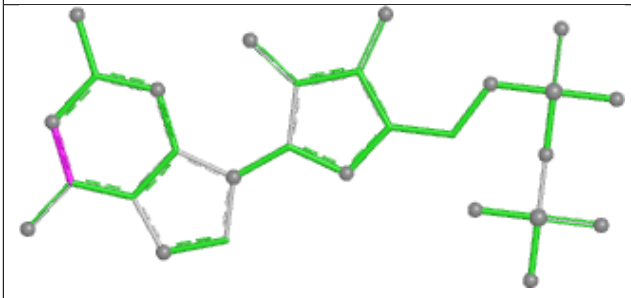
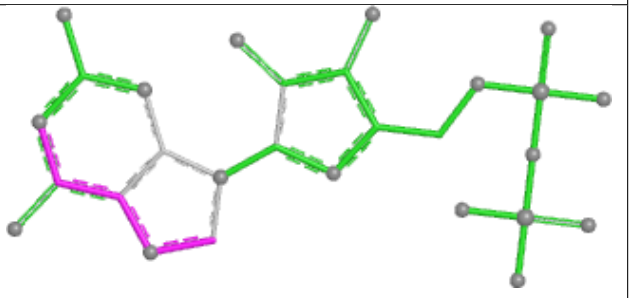
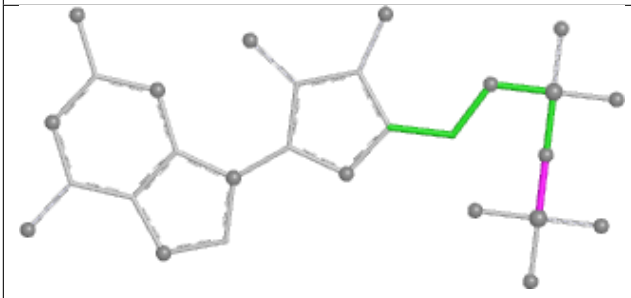
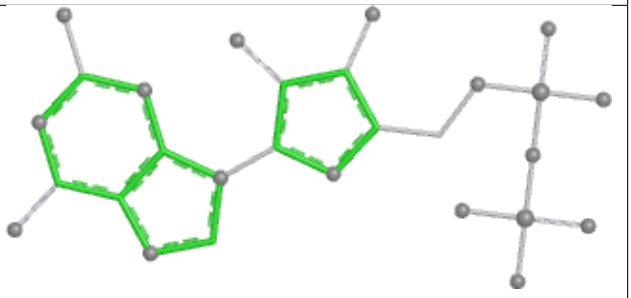


Rings

Ligand GDP R8 503	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP AJ 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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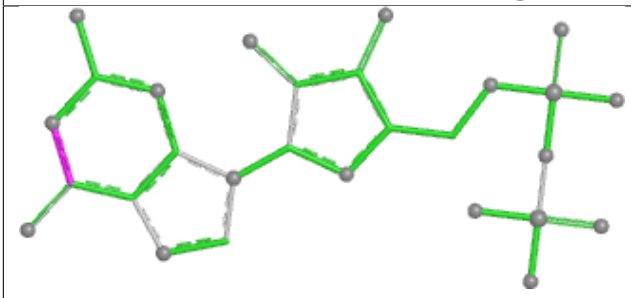
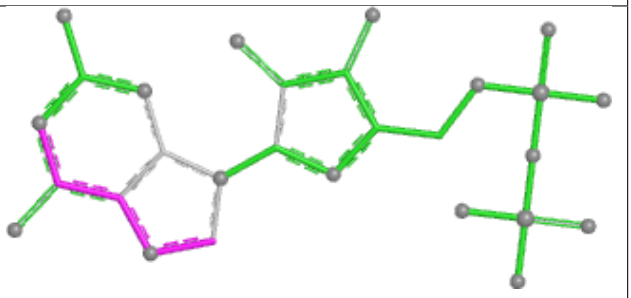
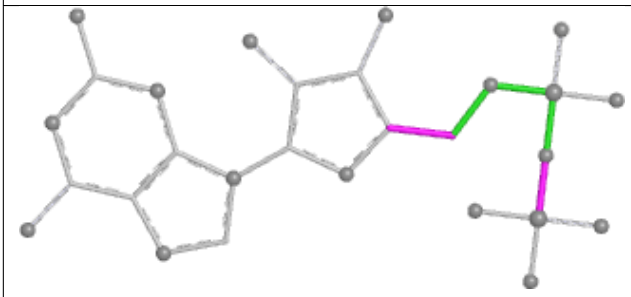
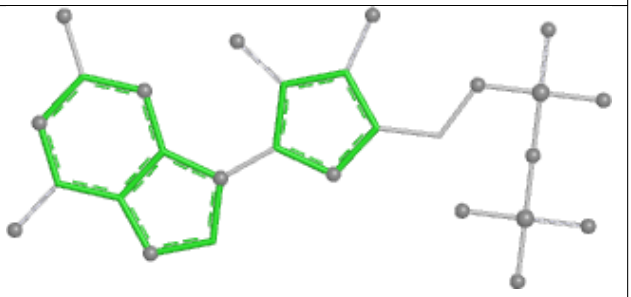
 Bond lengths	 Bond angles
 Torsions	 Rings

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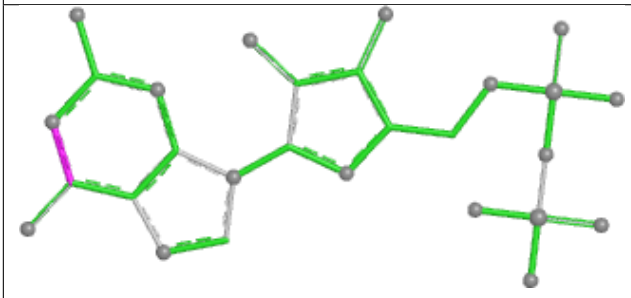
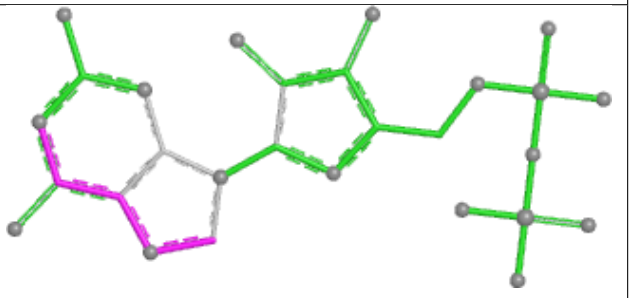
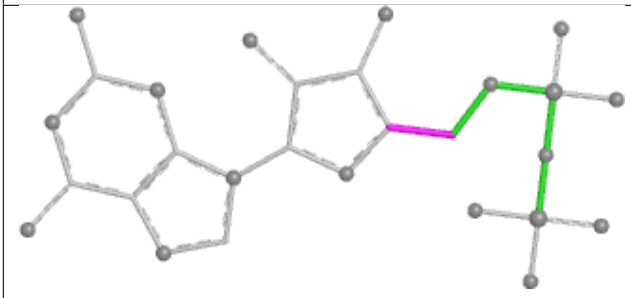
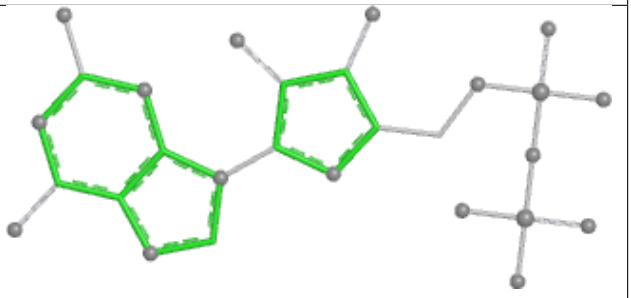
 Bond lengths	 Bond angles
 Torsions	 Rings

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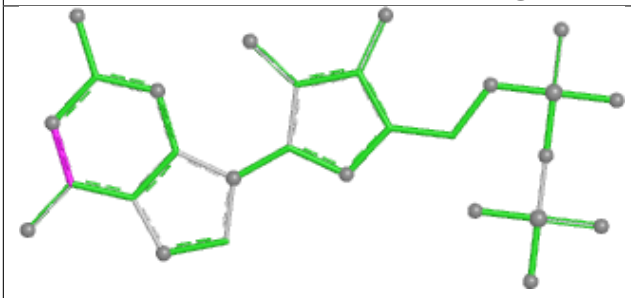
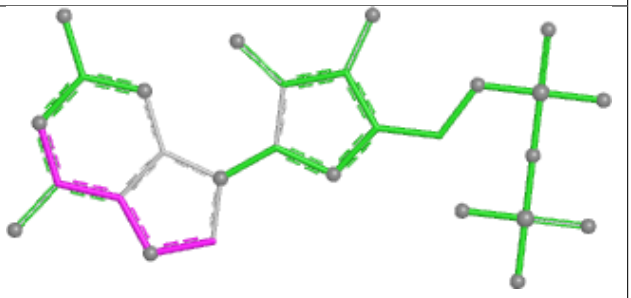
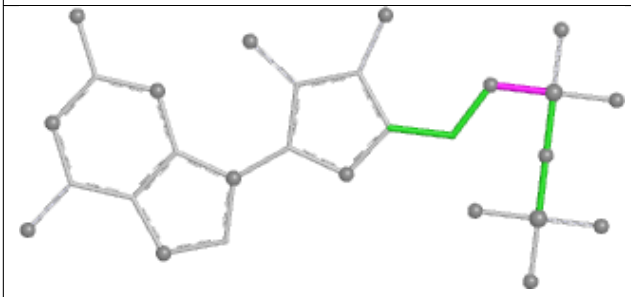
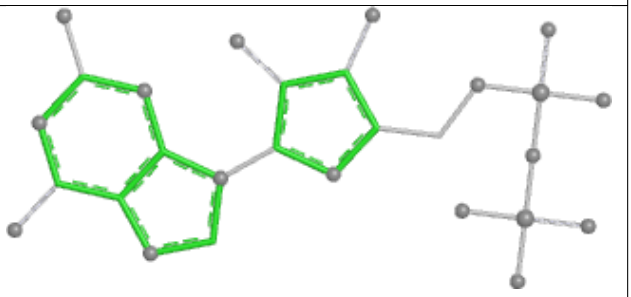
 Bond lengths	 Bond angles
 Torsions	 Rings

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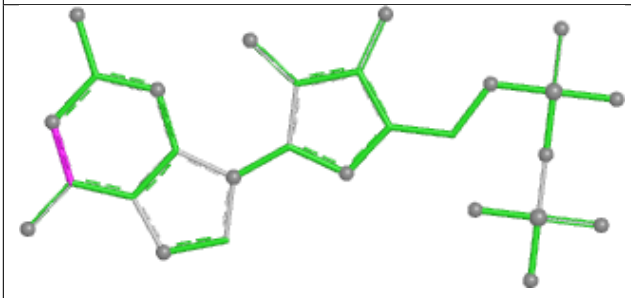
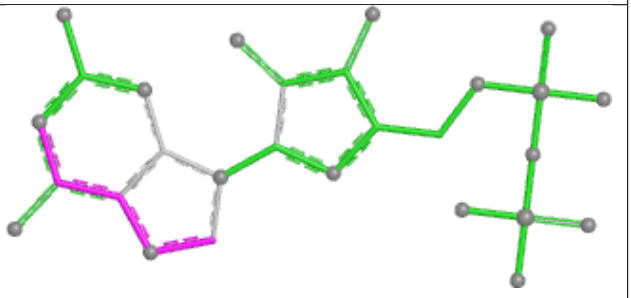
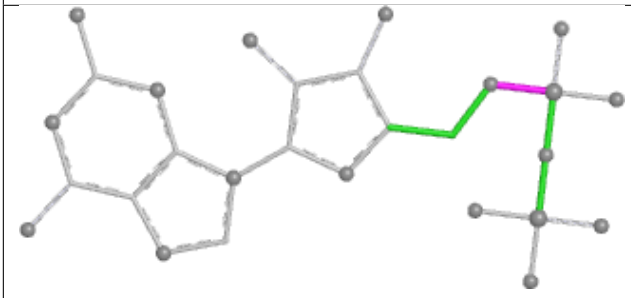
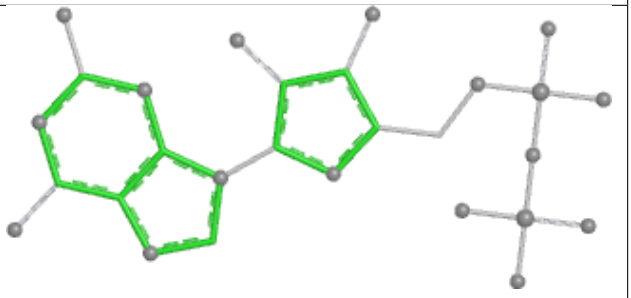
 Bond lengths	 Bond angles
 Torsions	 Rings

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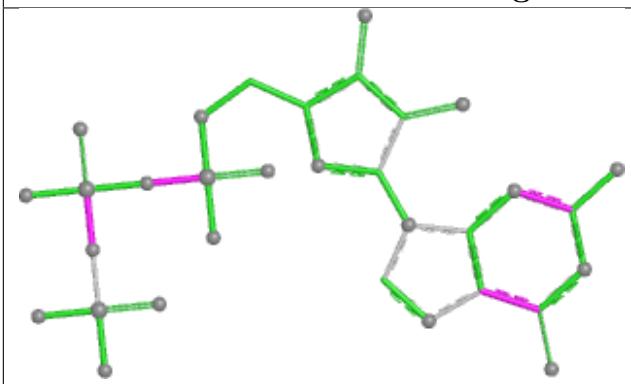

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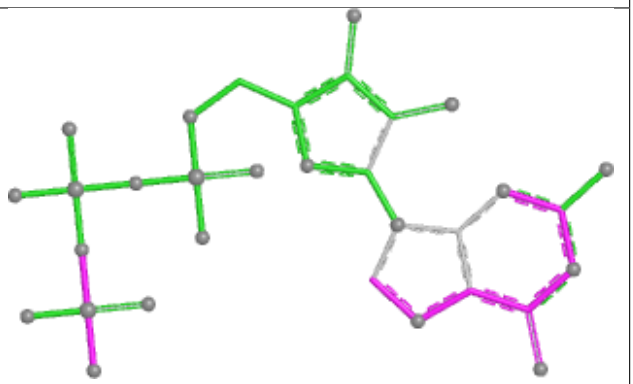

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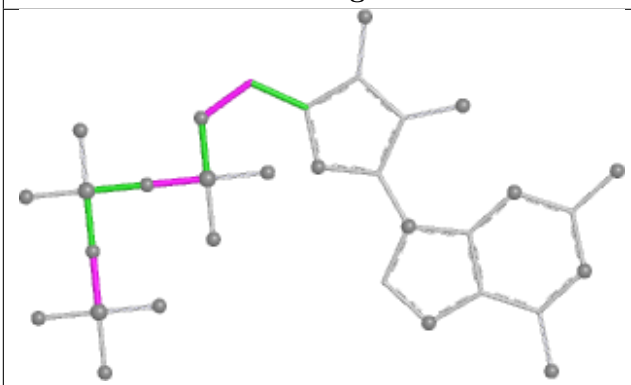

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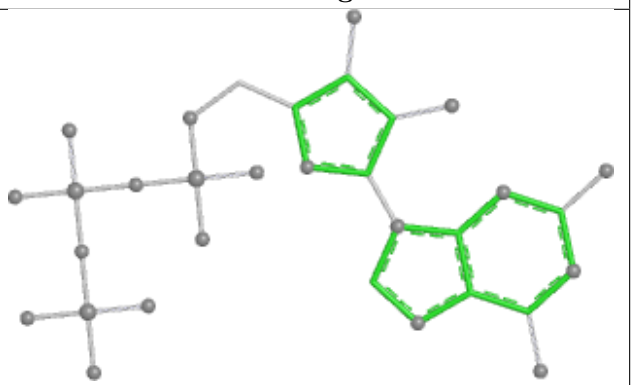
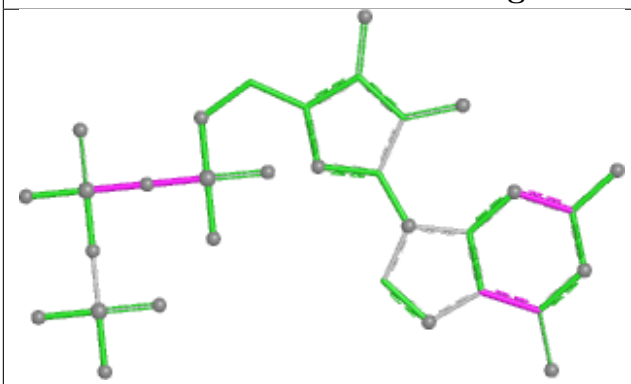


Rings

Ligand GTP NH 501



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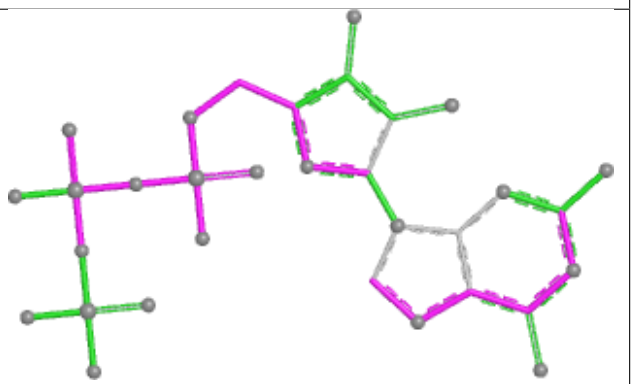

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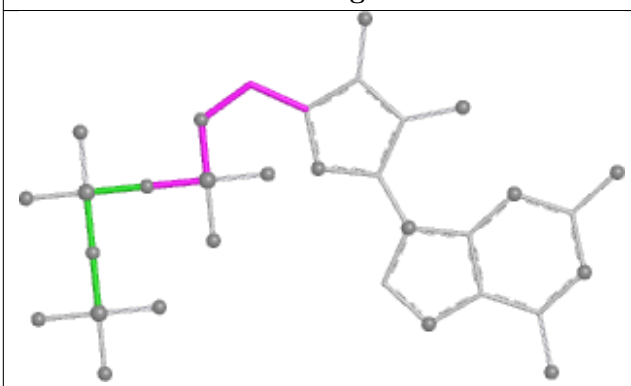

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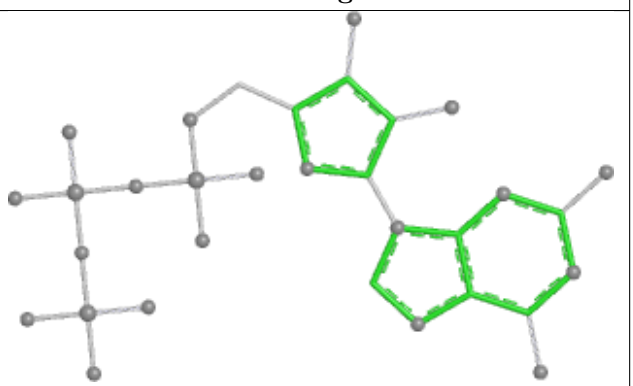

Rings

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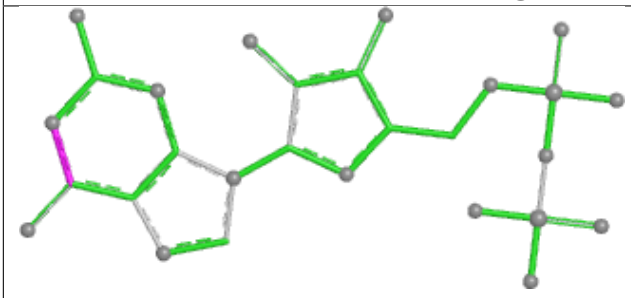
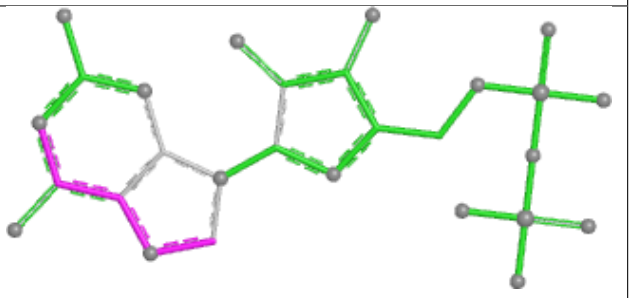
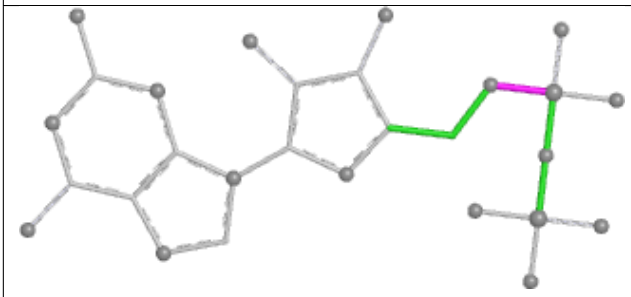
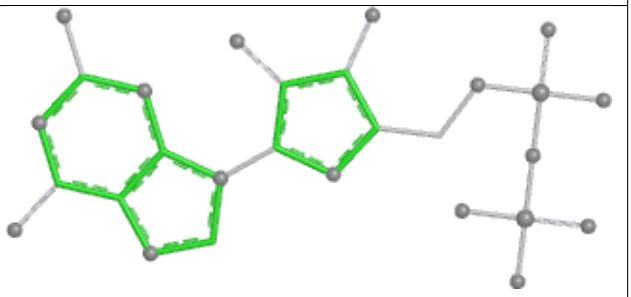
 Bond lengths	 Bond angles
 Torsions	 Rings

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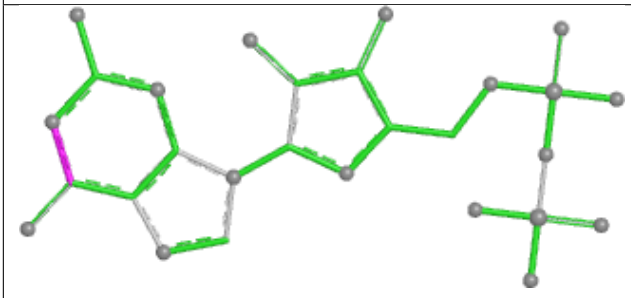
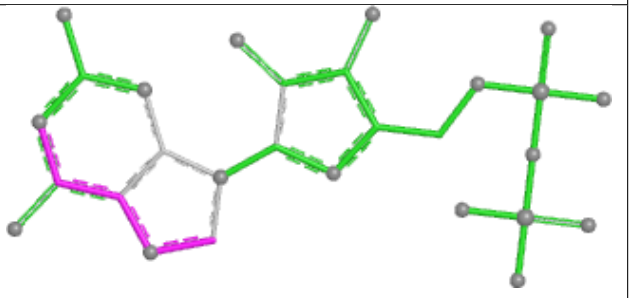
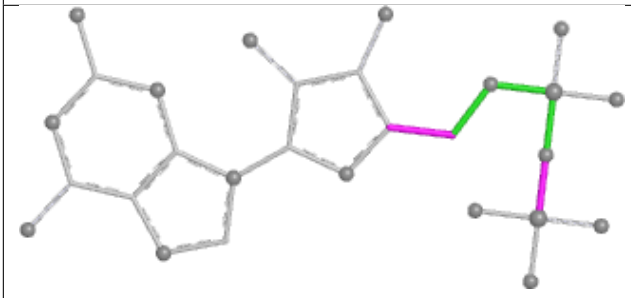
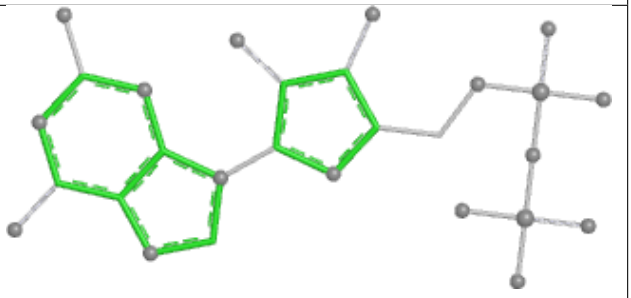
 Bond lengths	 Bond angles
 Torsions	 Rings

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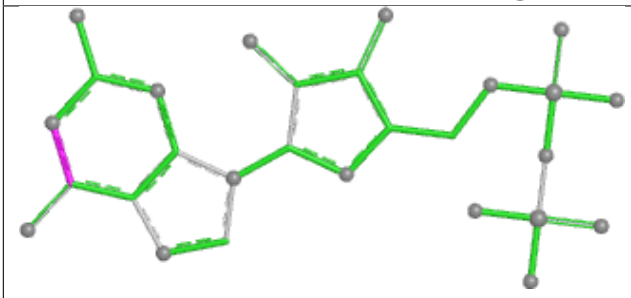
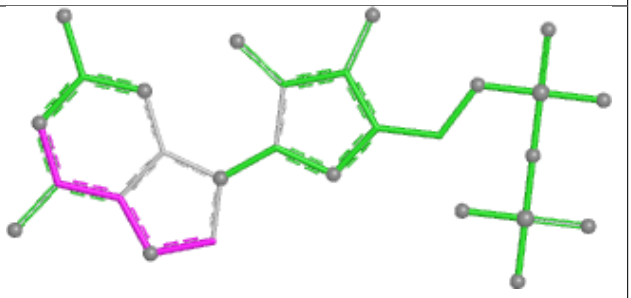
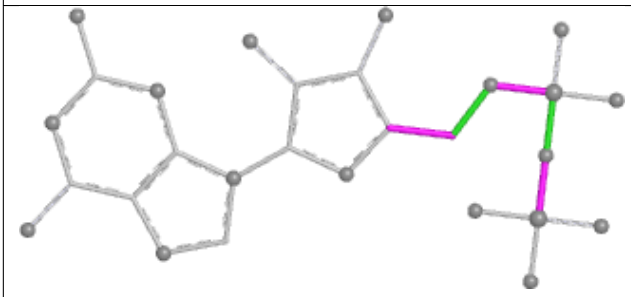
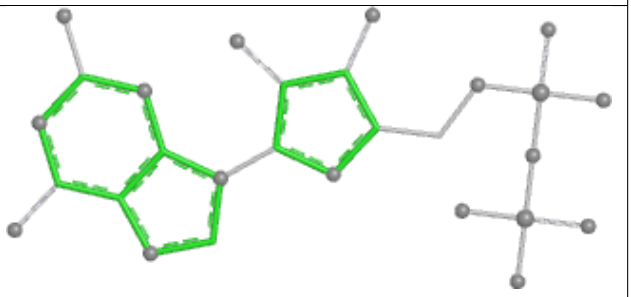
 Bond lengths	 Bond angles
 Torsions	 Rings

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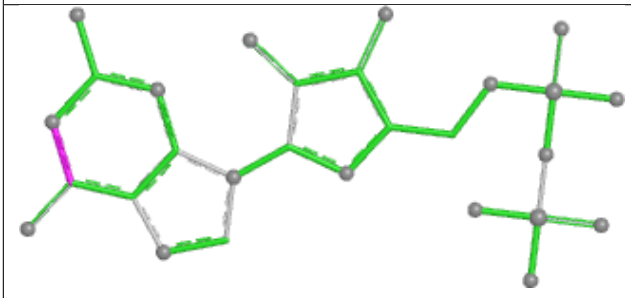
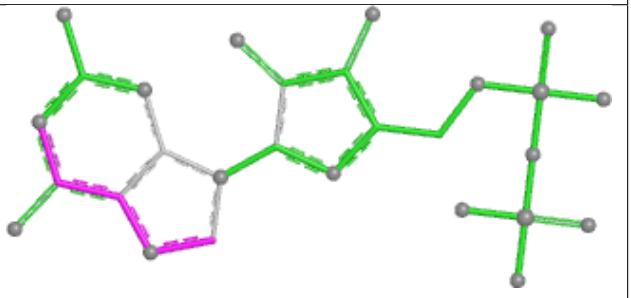
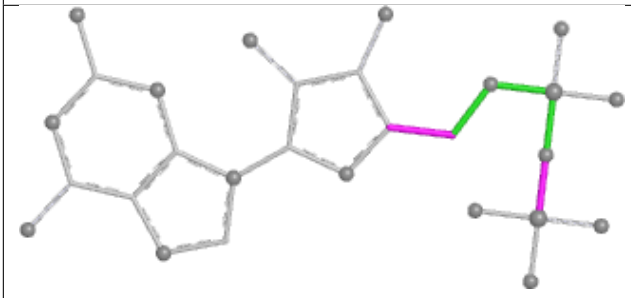
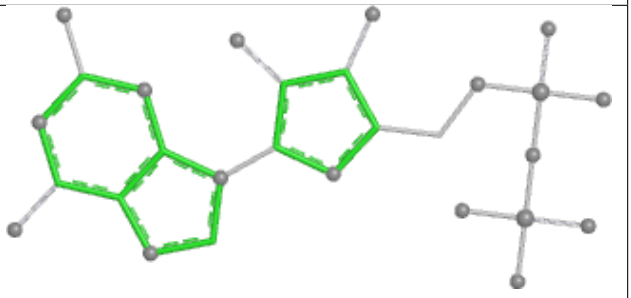
 Bond lengths	 Bond angles
 Torsions	 Rings

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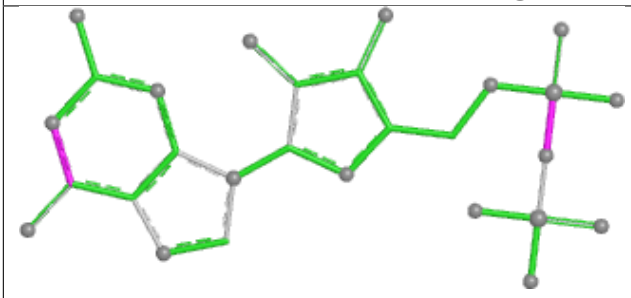
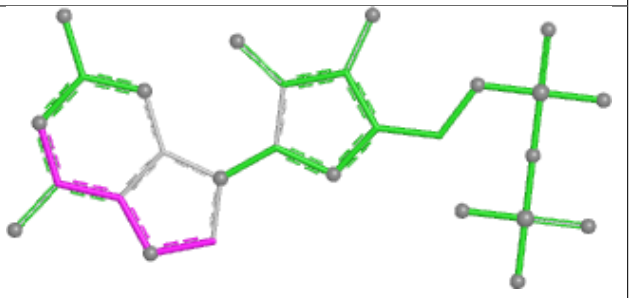
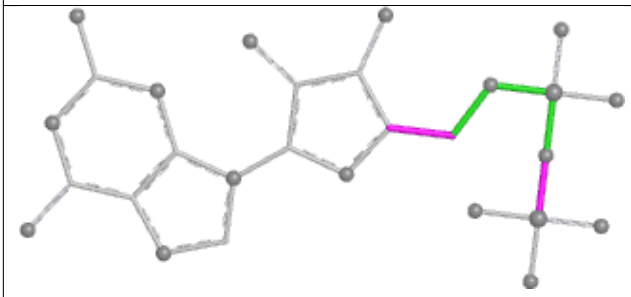
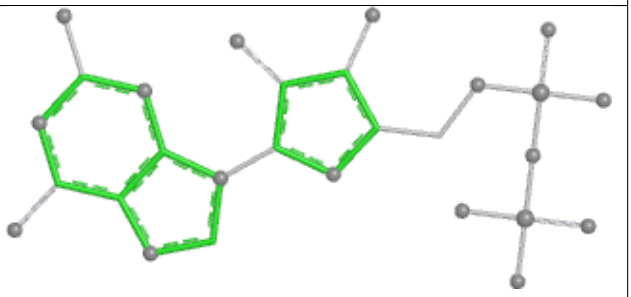
 Bond lengths	 Bond angles
 Torsions	 Rings

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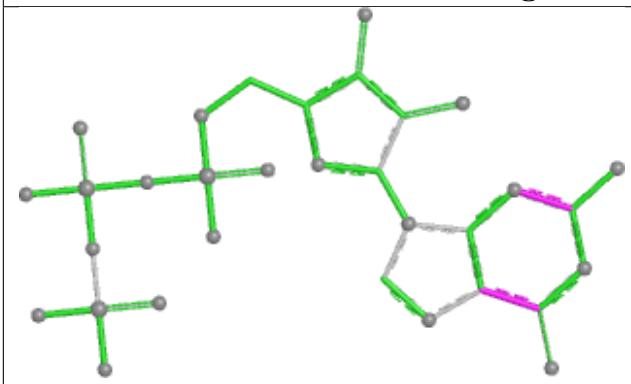
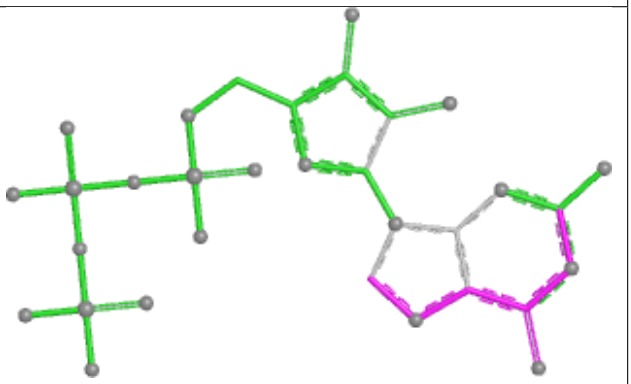
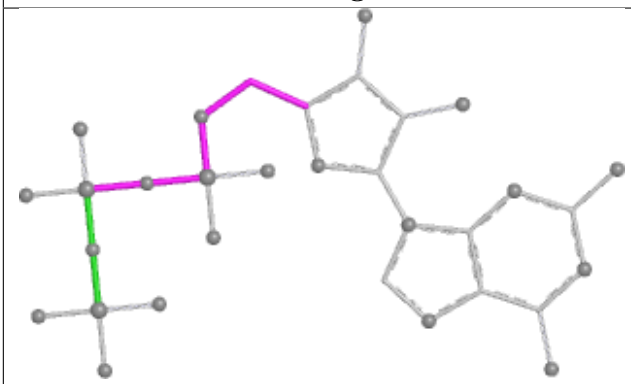
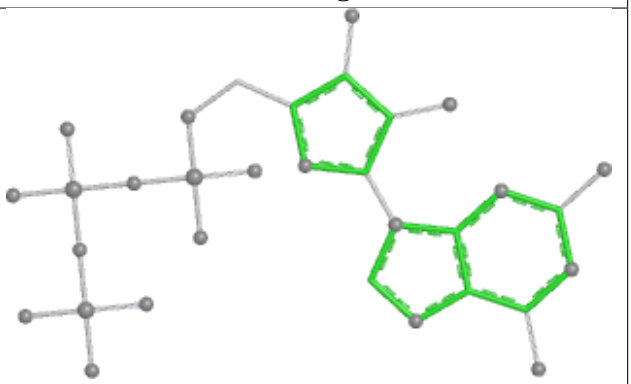
 Bond lengths	 Bond angles
 Torsions	 Rings

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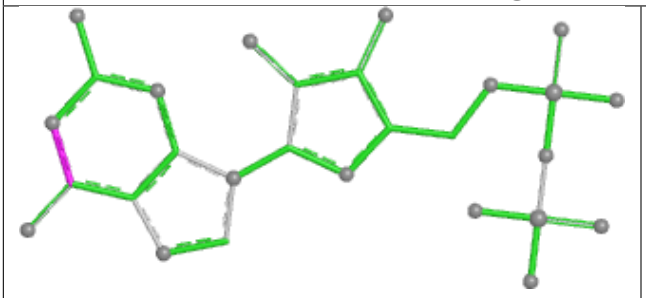

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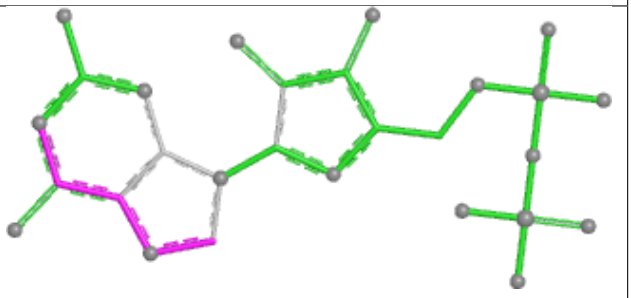

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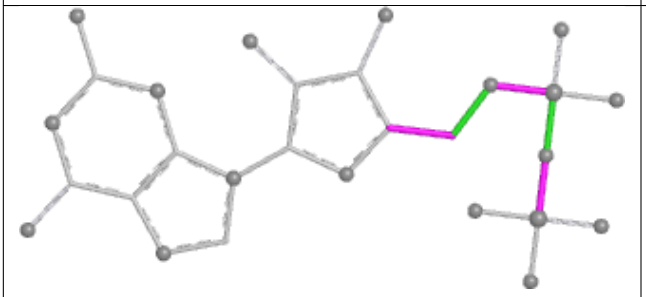
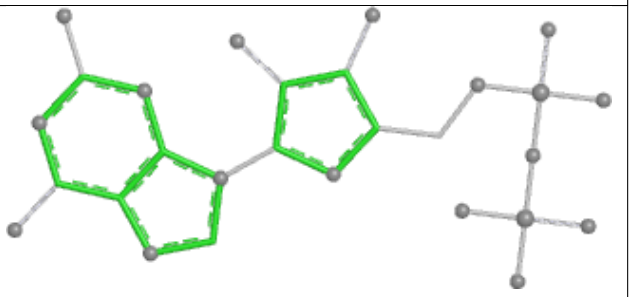
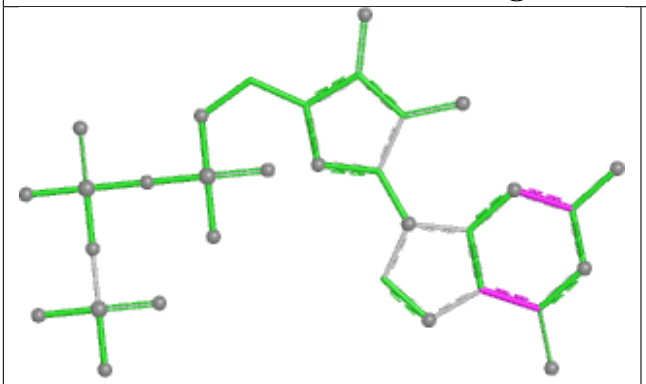


Torsions



Rings

Ligand GTP JW 502



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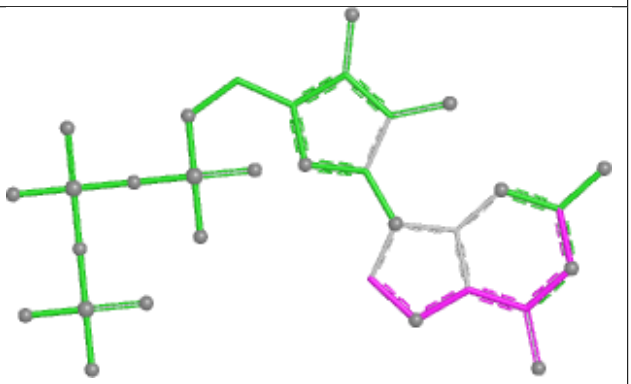
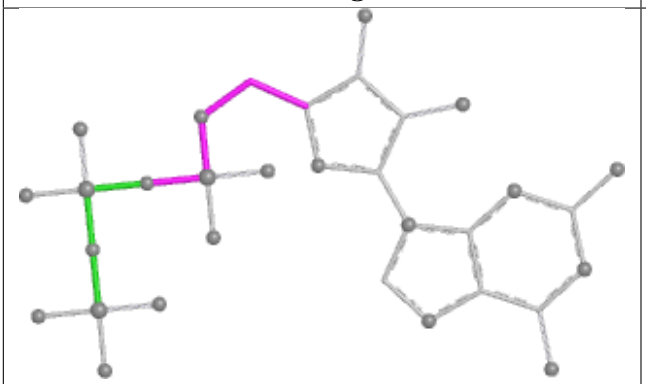


Bond angles



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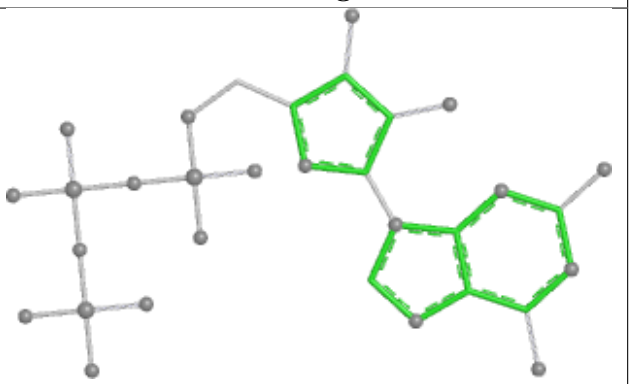
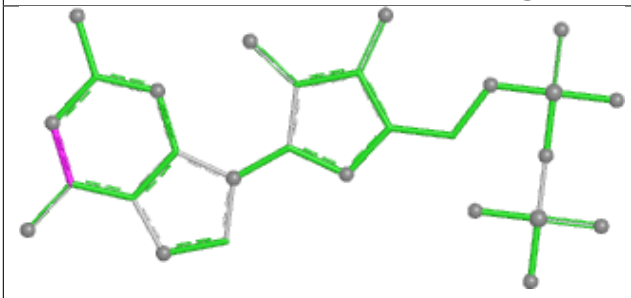


Rings

Ligand GDP 2I 502



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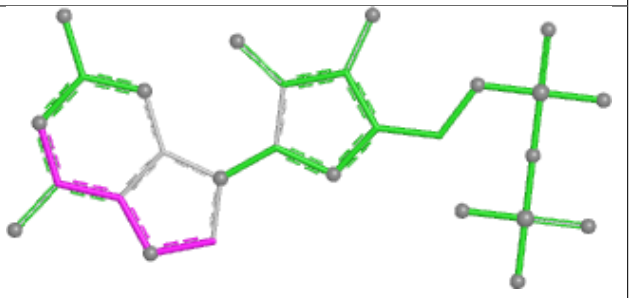

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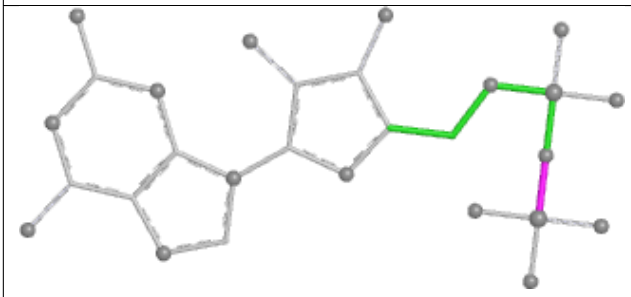

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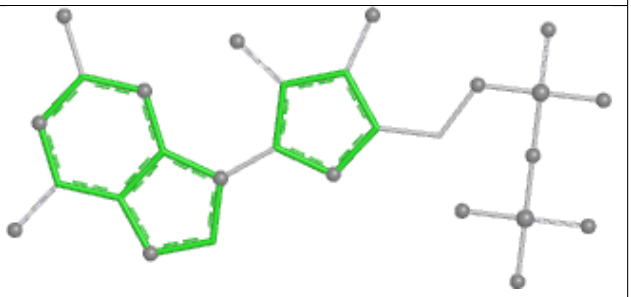
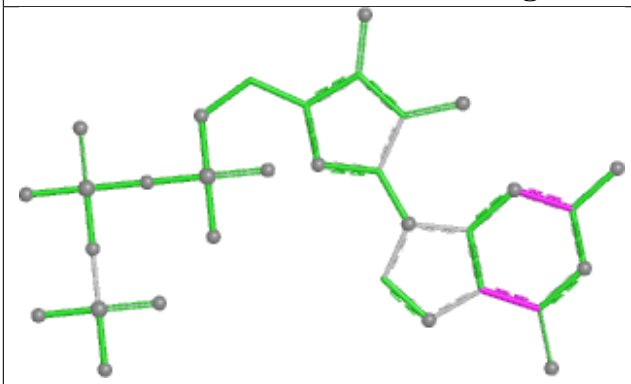


Rings

Ligand GTP Jl 502



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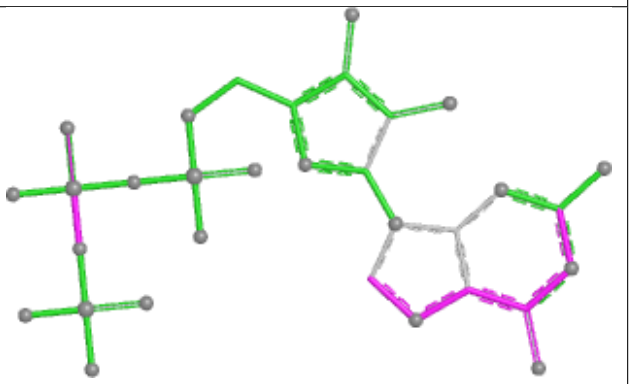

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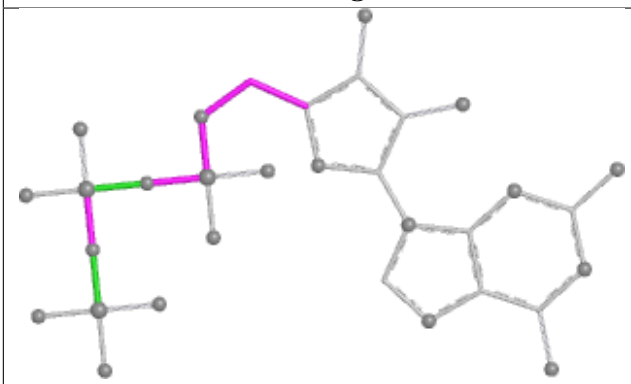

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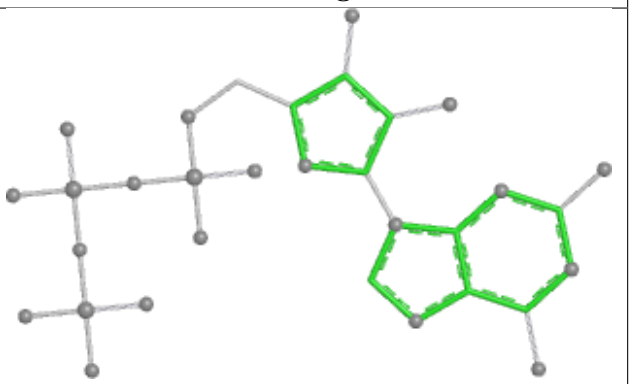
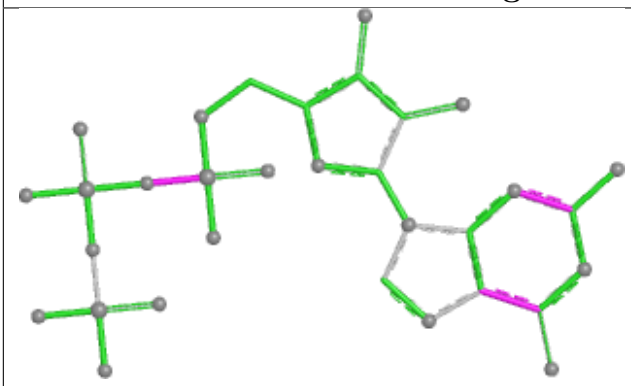


Rings

Ligand GTP NW 501



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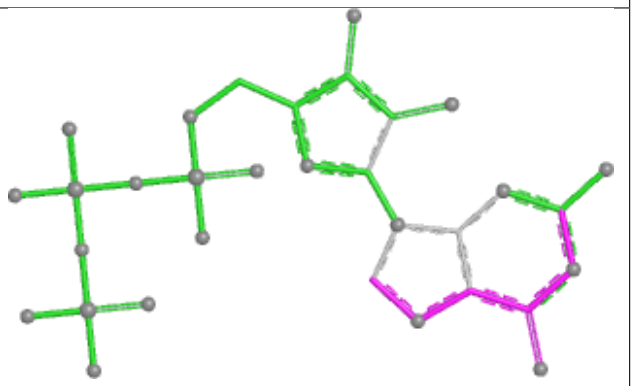

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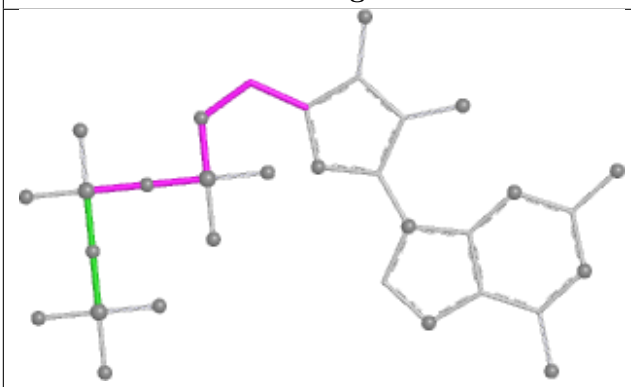

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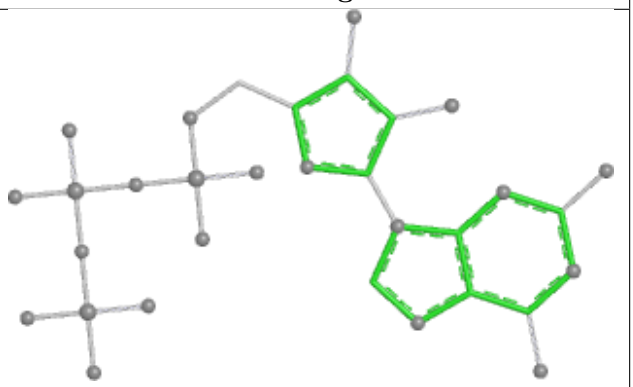
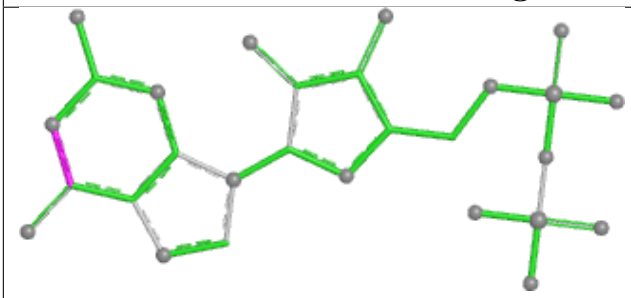


Rings

Ligand GDP D4 501



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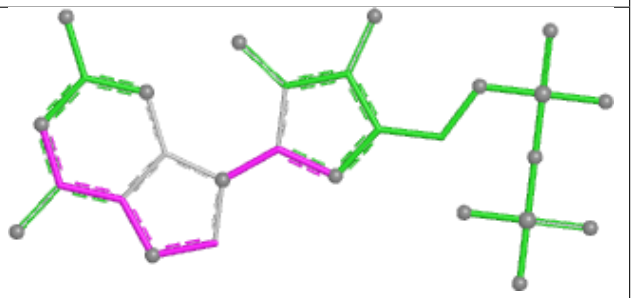

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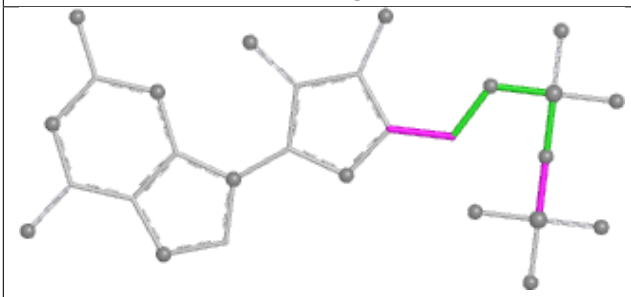

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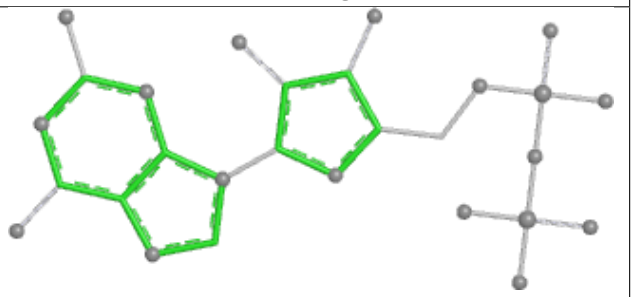
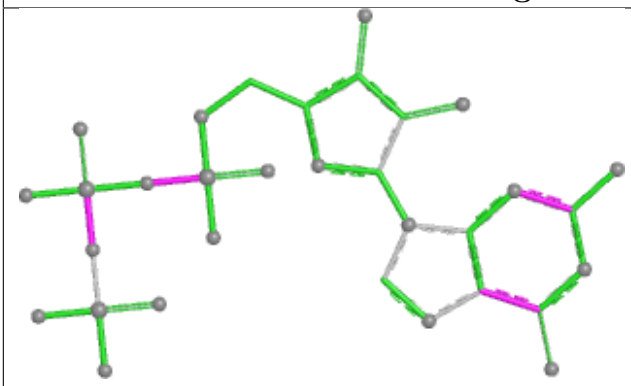


Rings

Ligand GTP Kv 501



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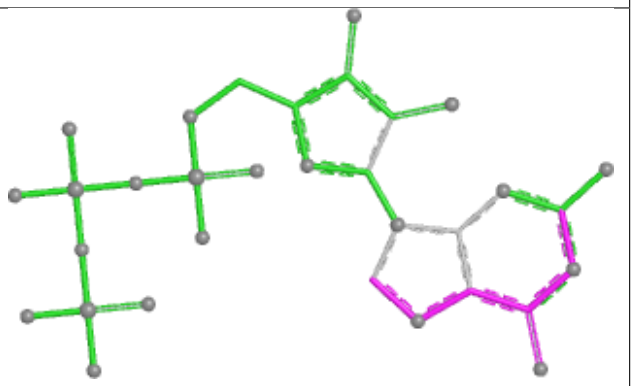

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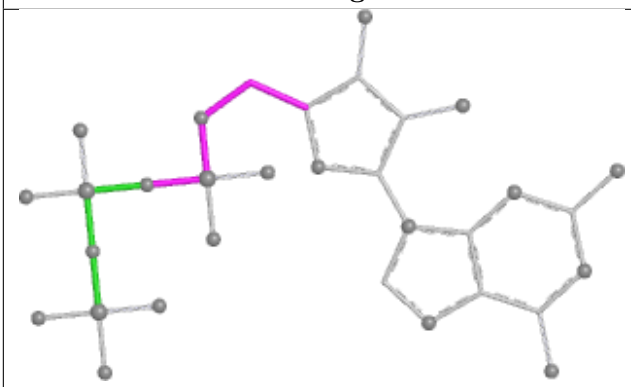

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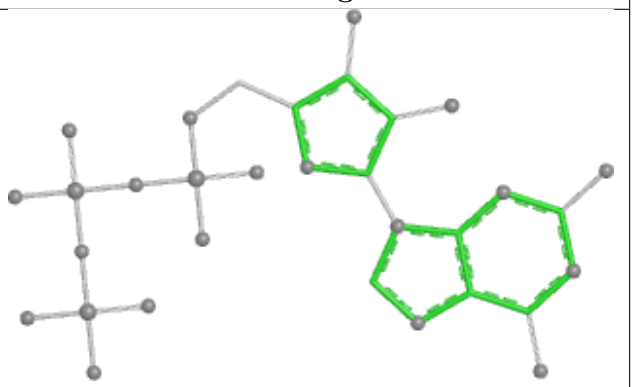
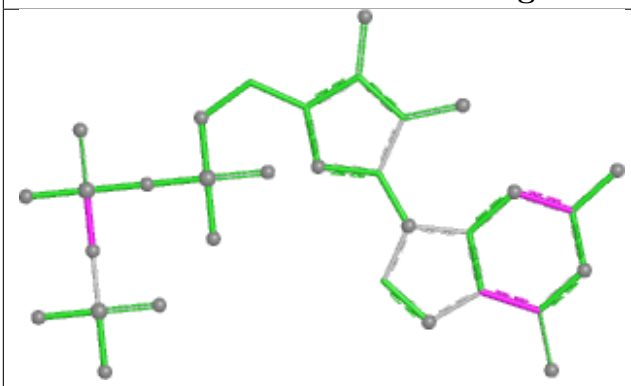


Rings

Ligand GTP FI 501



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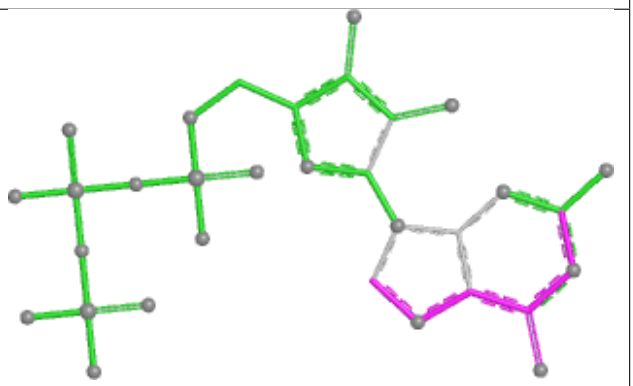

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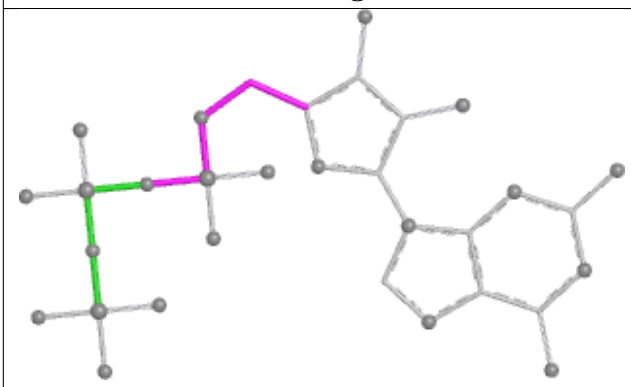

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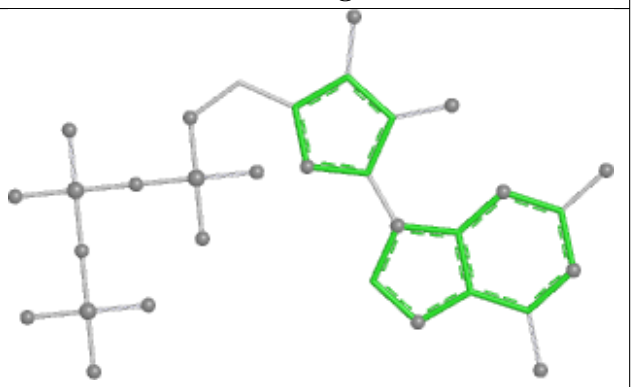

Rings

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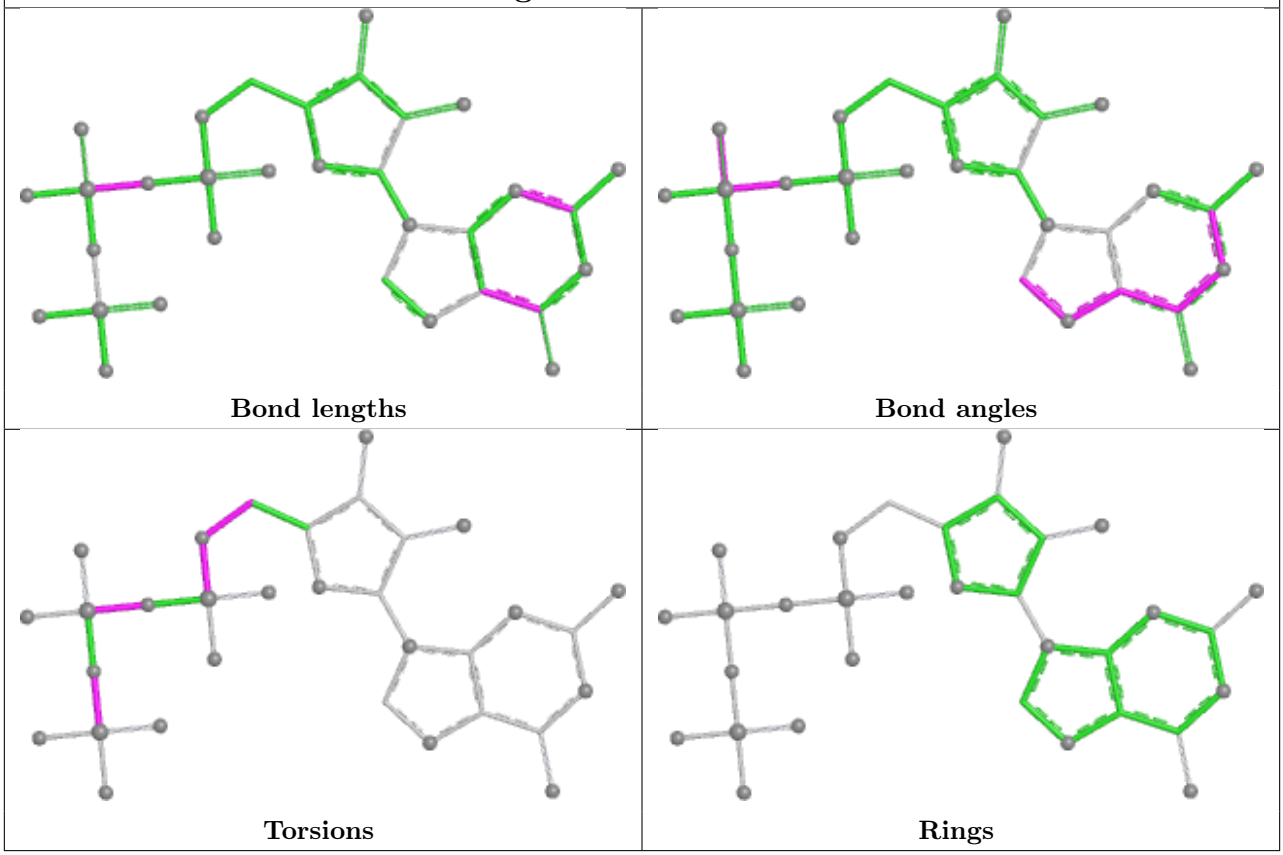
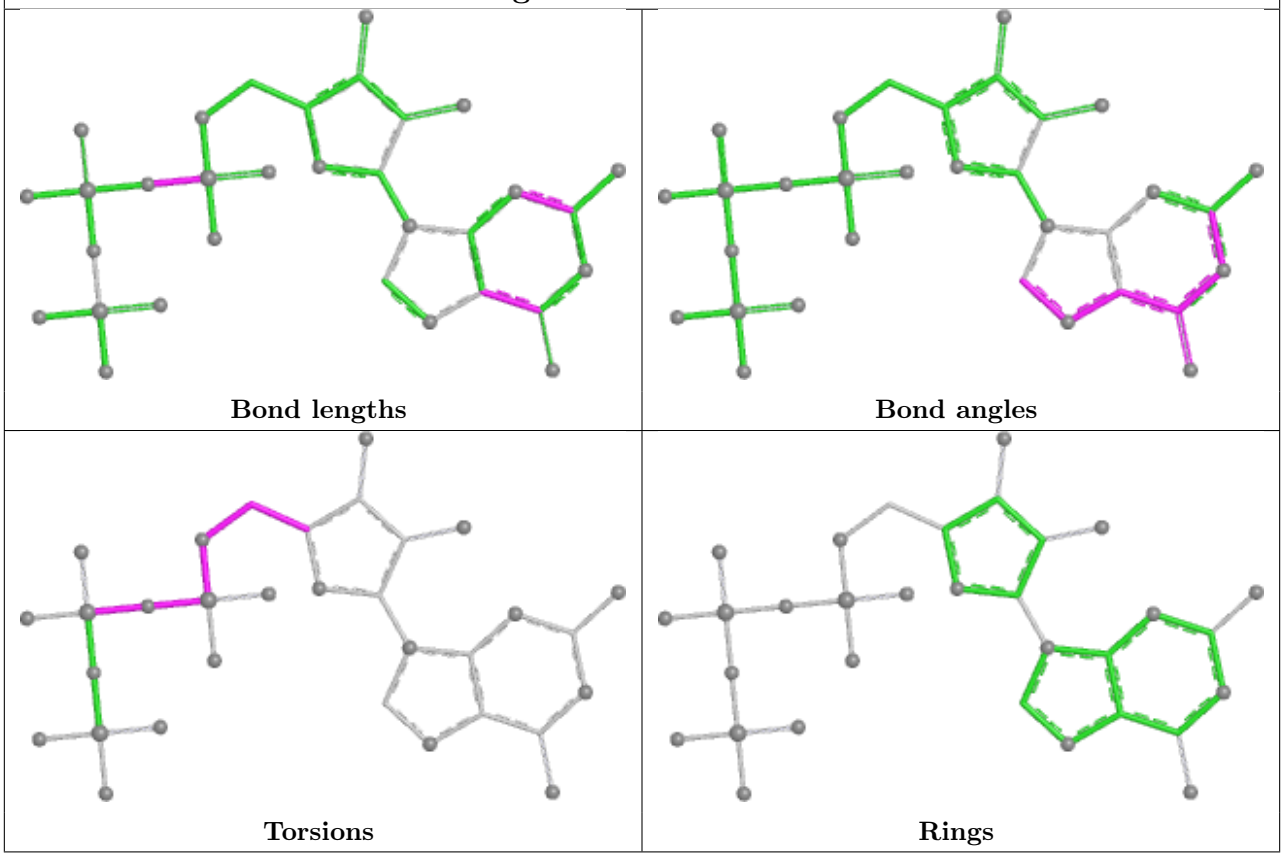
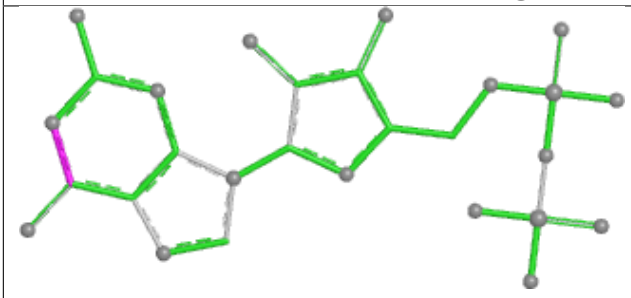
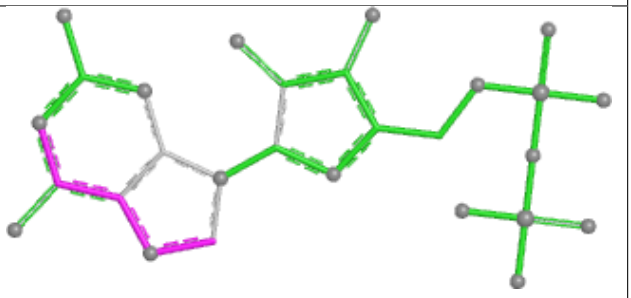
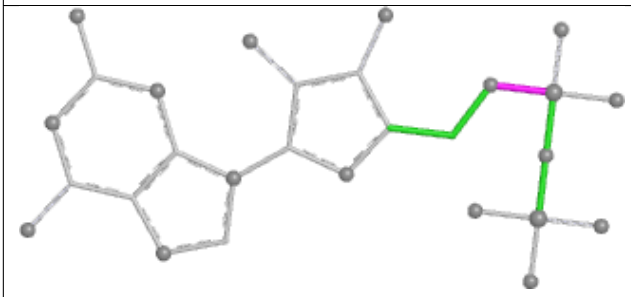
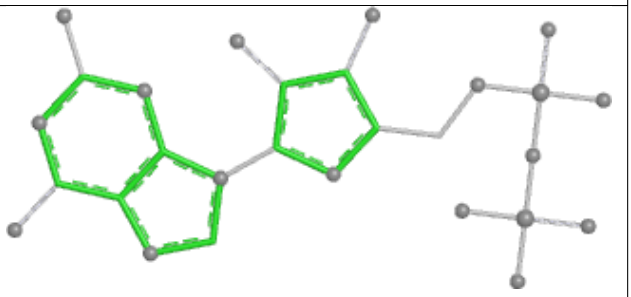


Ligand GTP Nh 501



Ligand GDP C8 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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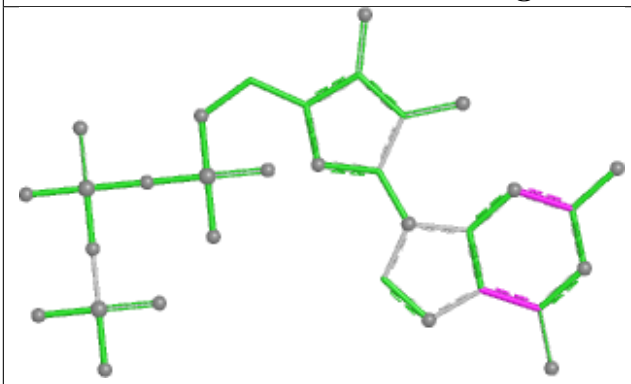
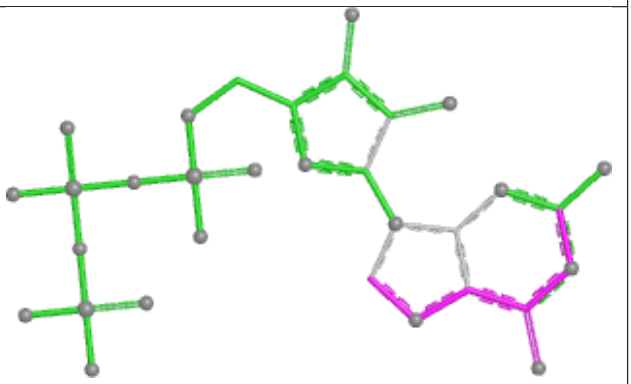
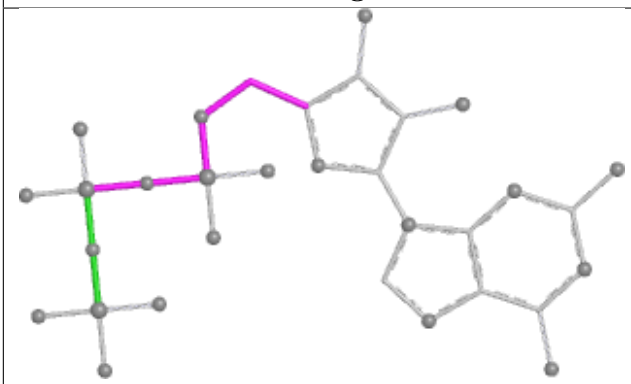
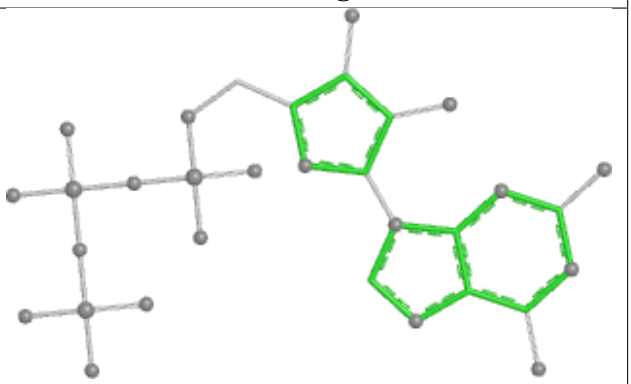
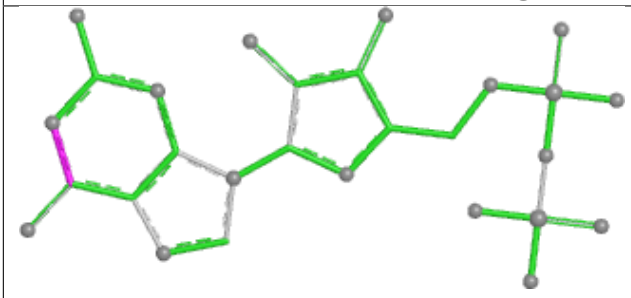
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP CI 503



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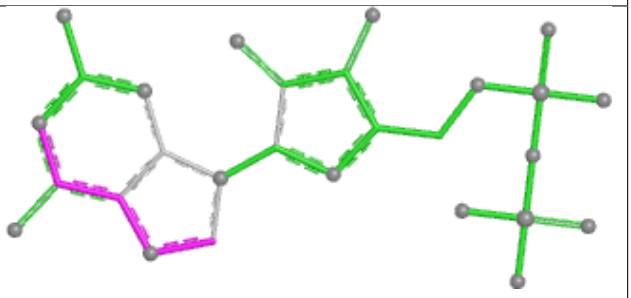
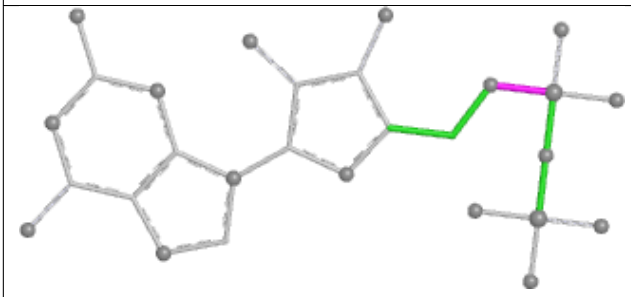


Bond angles



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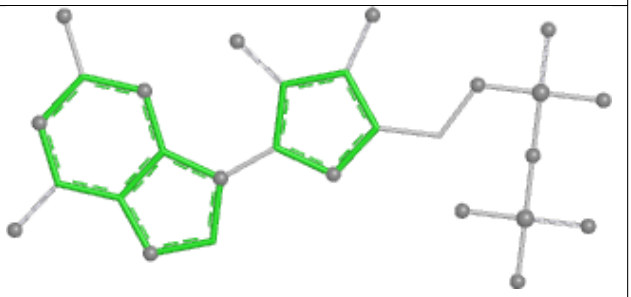
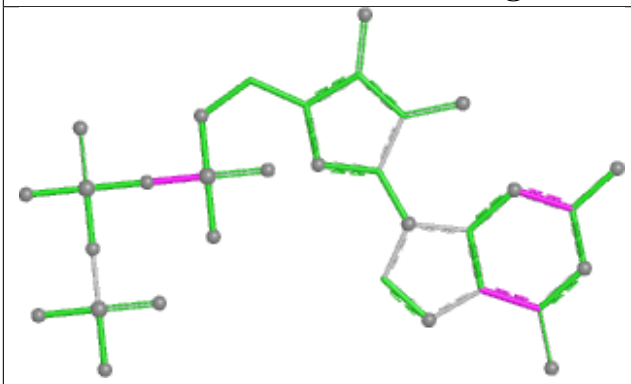


Rings

Ligand GTP MH 501



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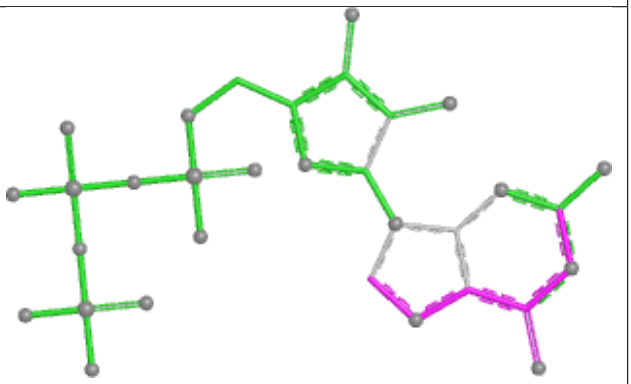

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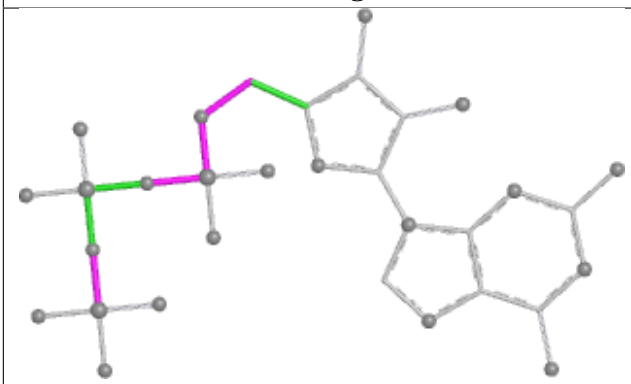

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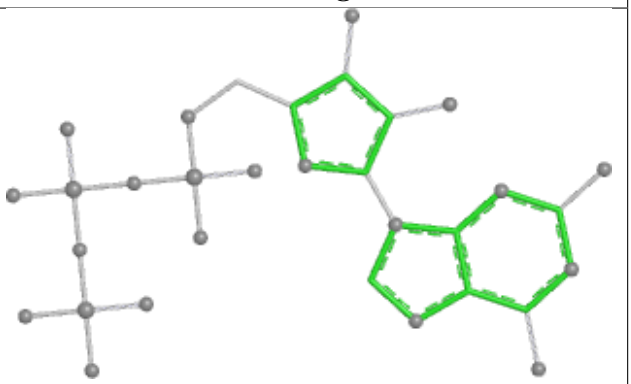
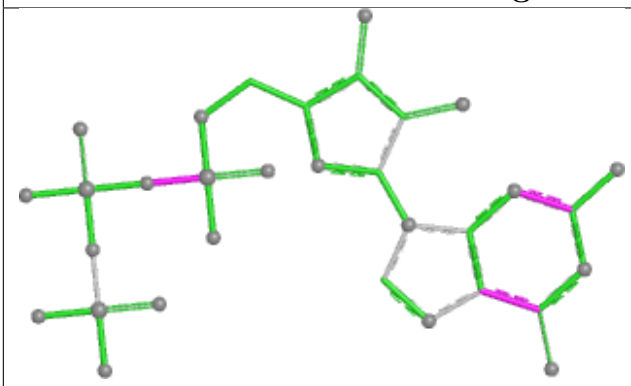


Rings

Ligand GTP 3G 501



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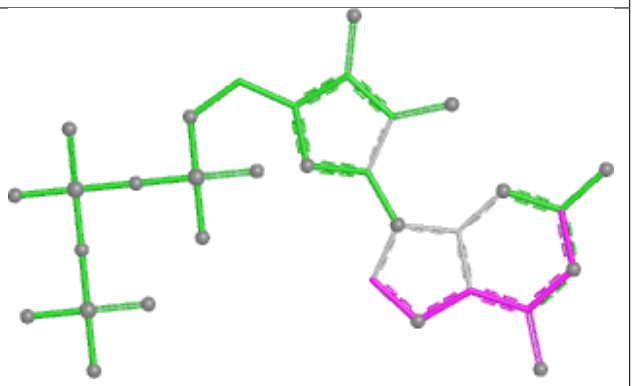
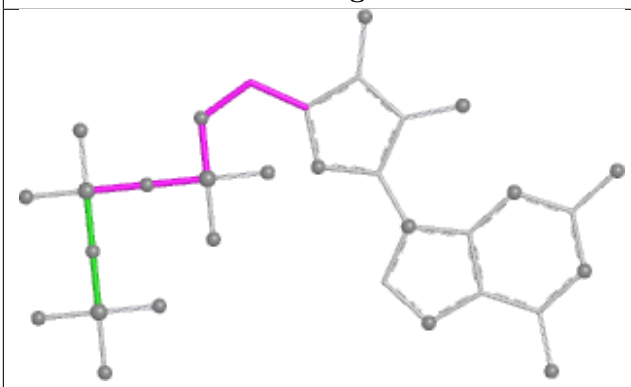


Bond angles



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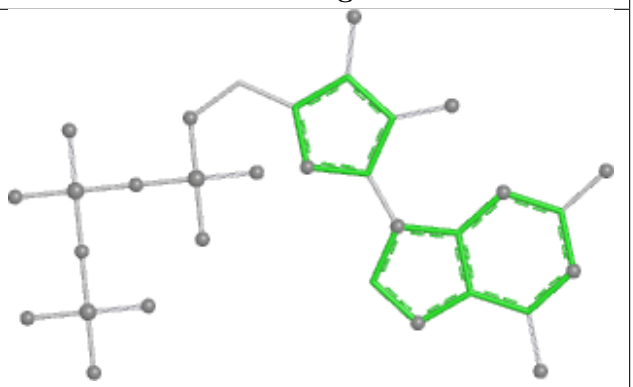
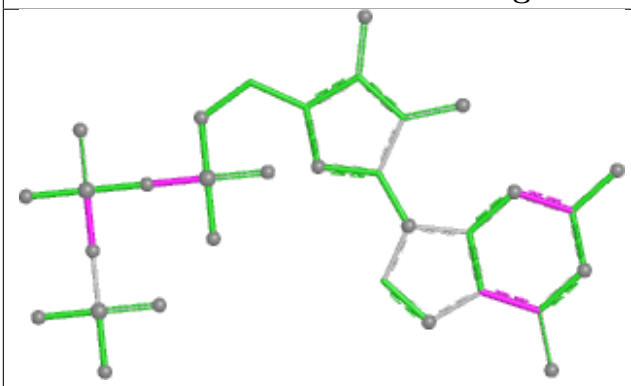


Rings

Ligand GTP 2Y 501



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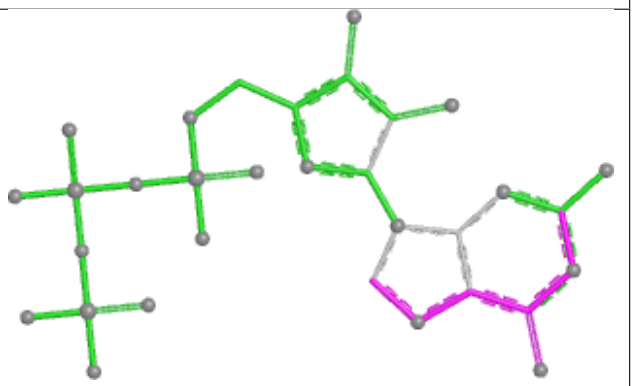
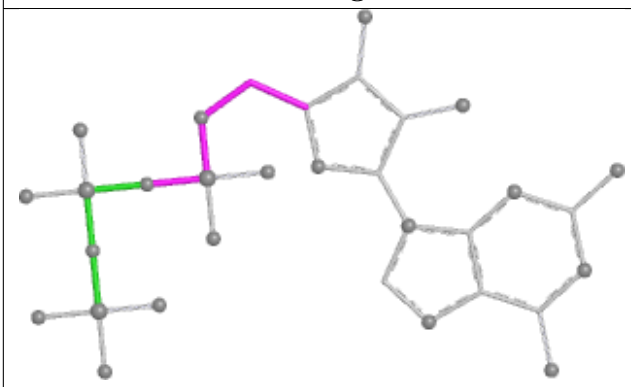


Bond angles



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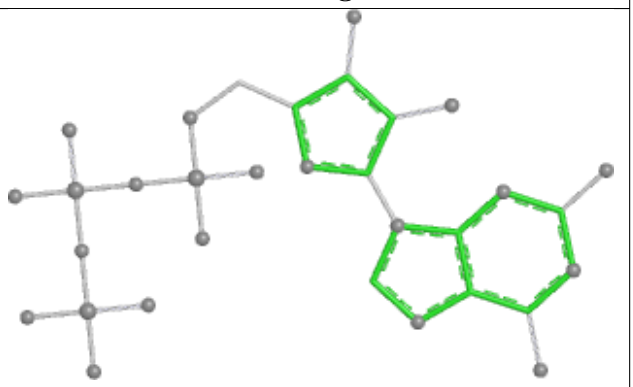
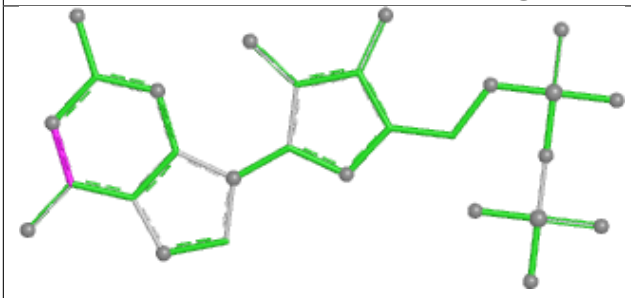


Rings

Ligand GDP Nj 501



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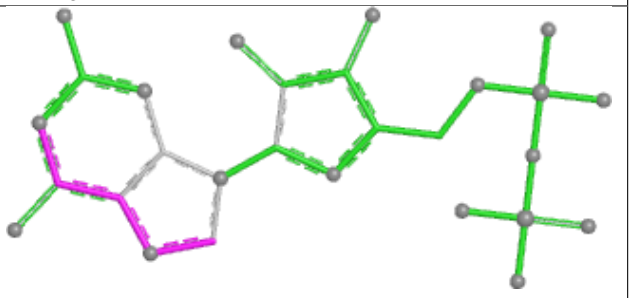

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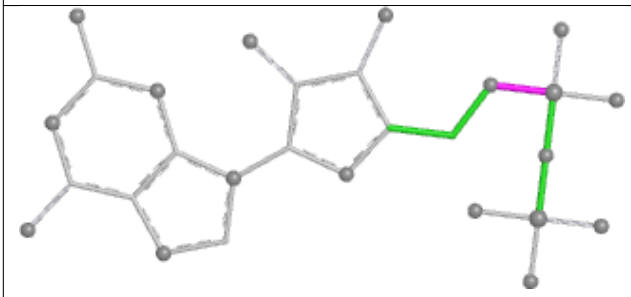
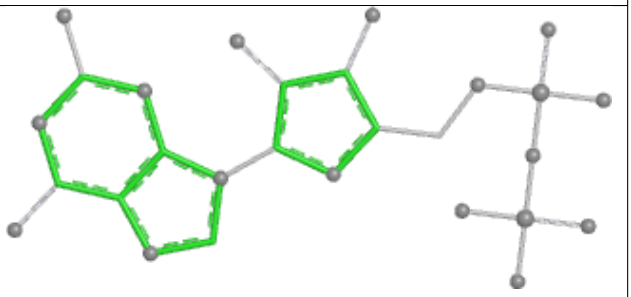
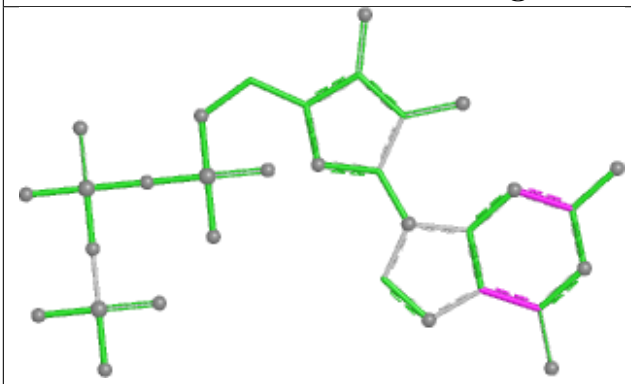


Torsions



Rings

Ligand GTP CR 502



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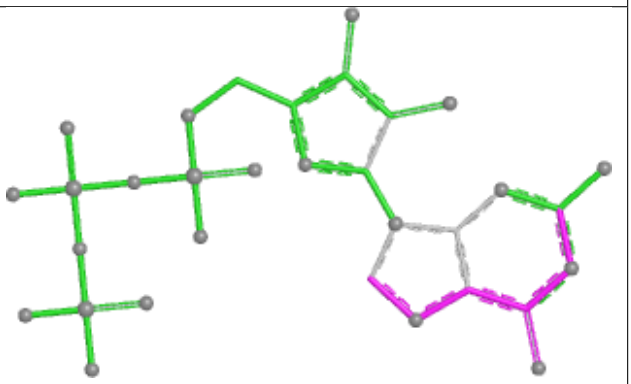

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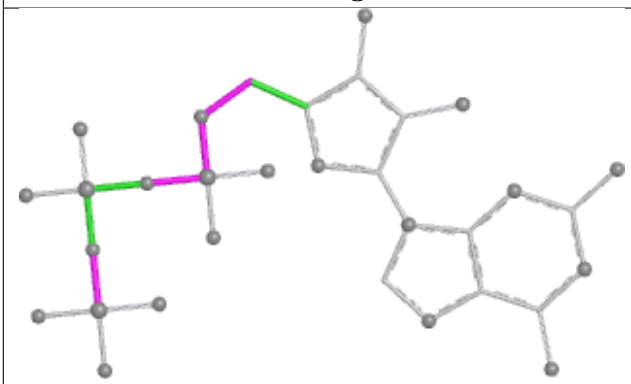

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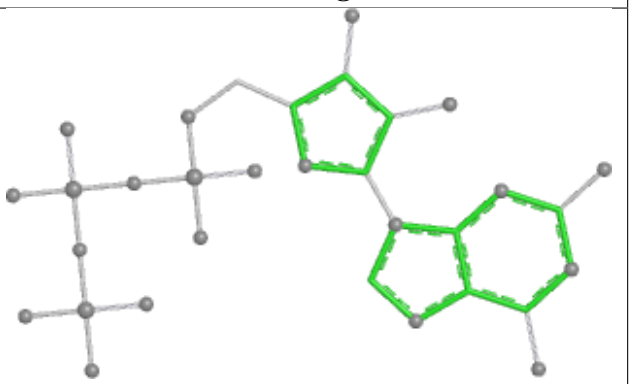
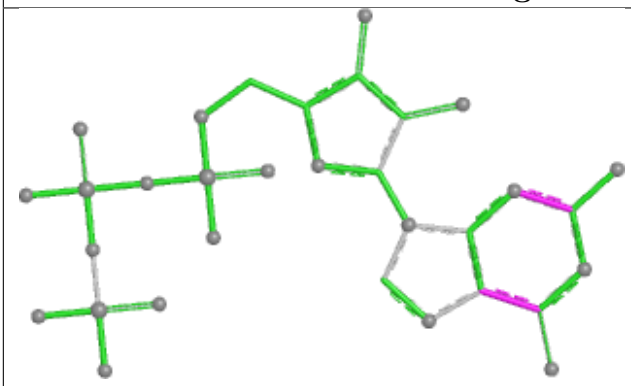


Rings

Ligand GTP C0 501



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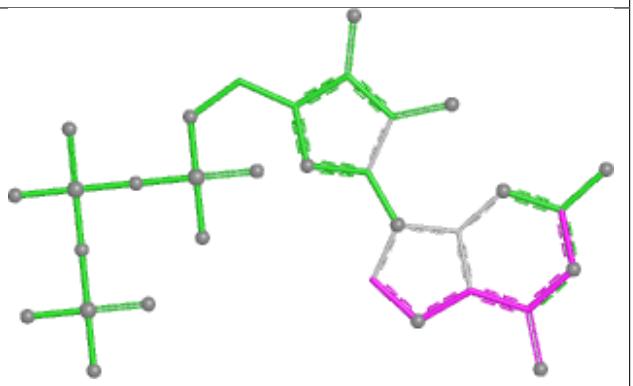

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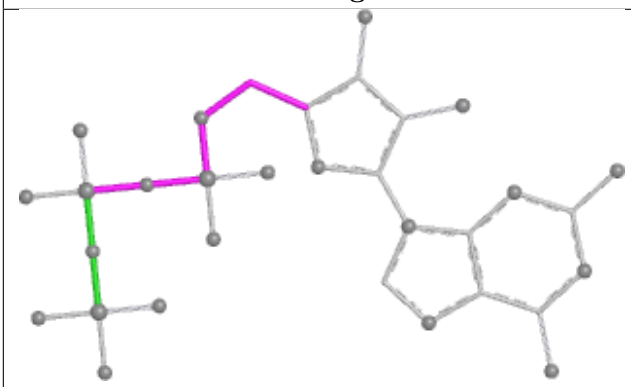

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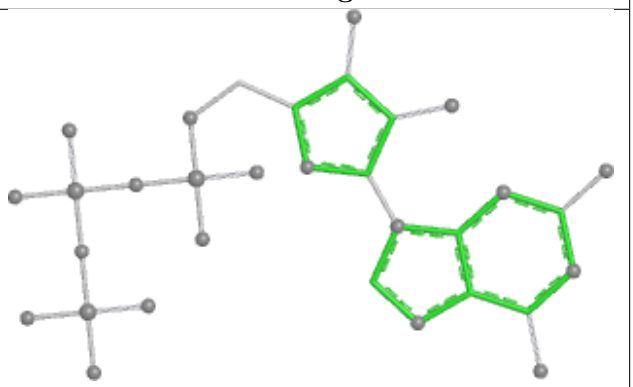
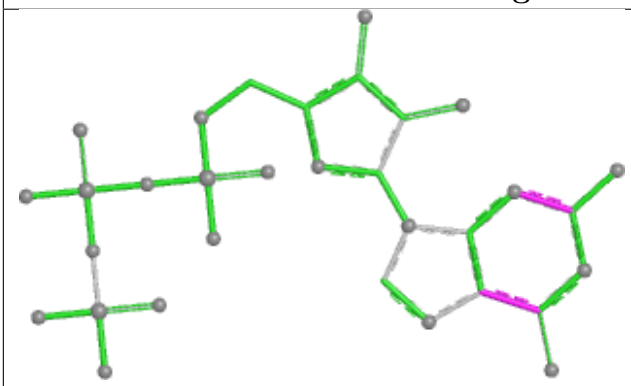


Rings

Ligand GTP EF 501



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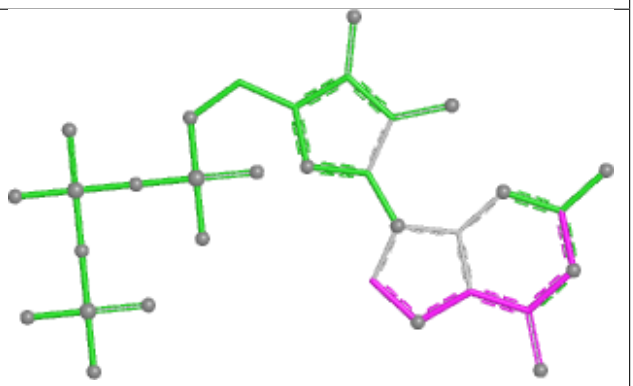

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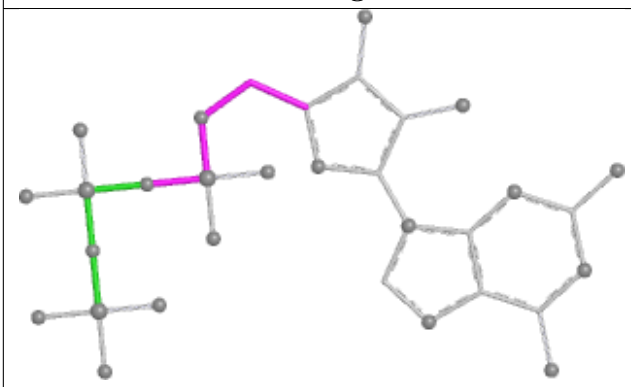

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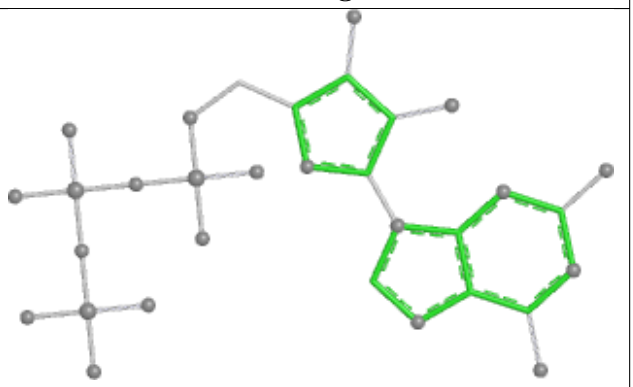
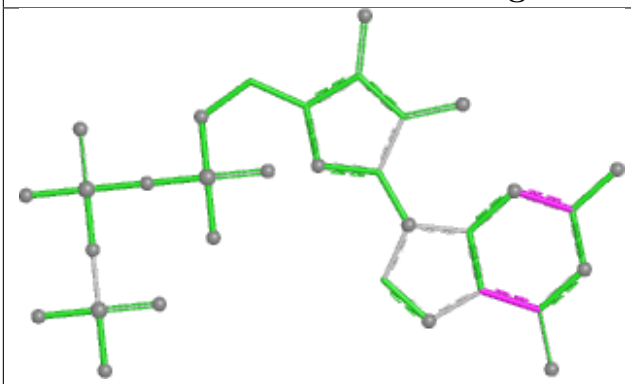


Rings

Ligand GTP W4 501



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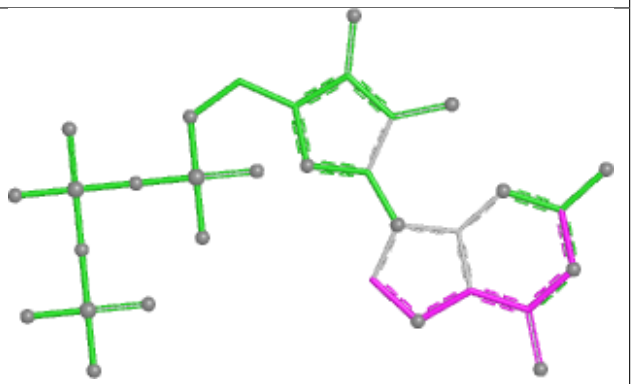

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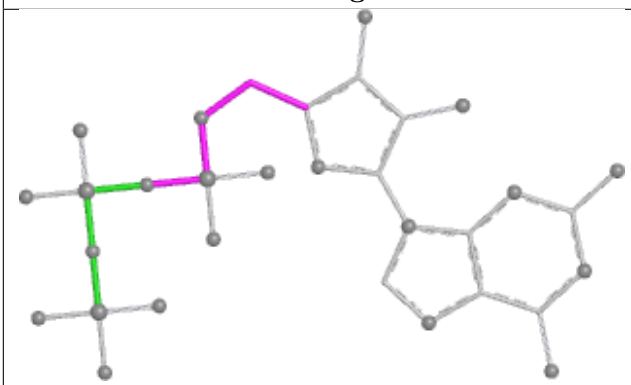

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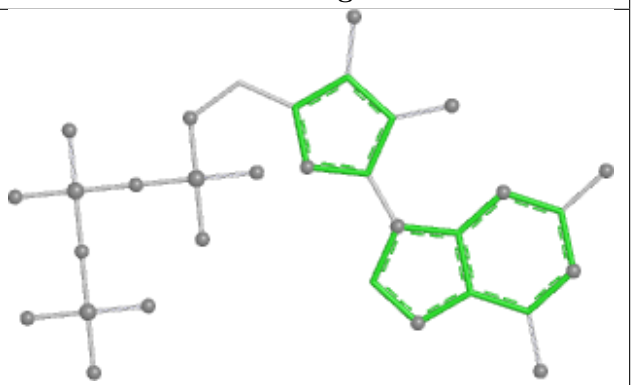
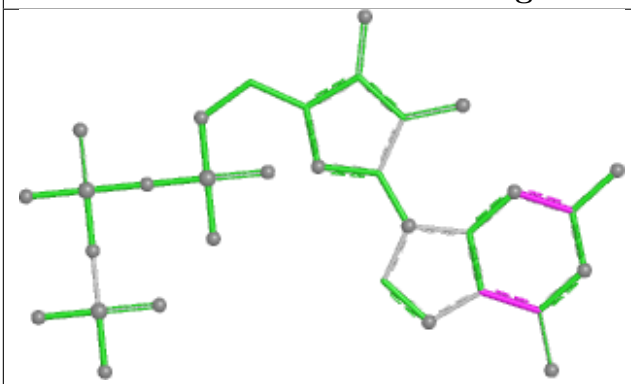


Rings

Ligand GTP F1 501



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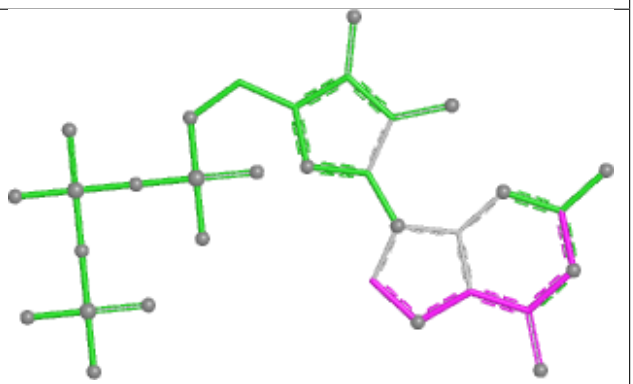

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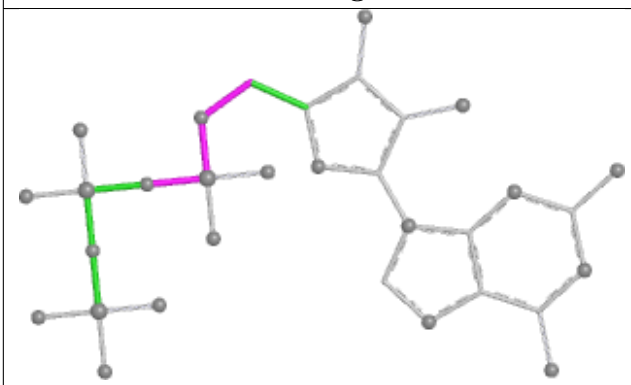

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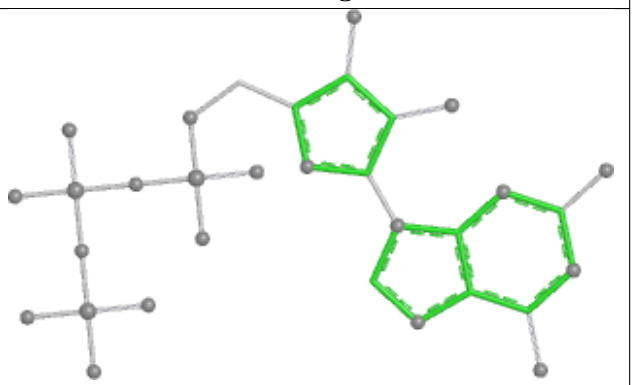
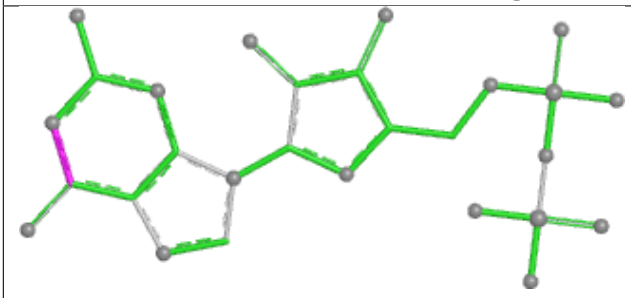
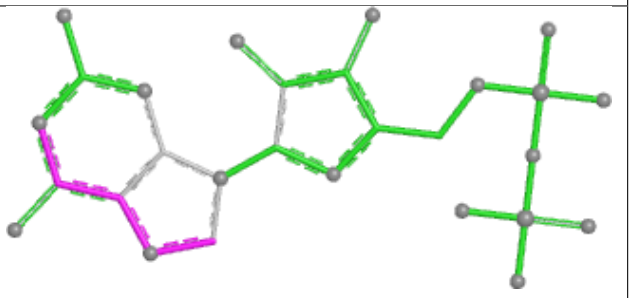
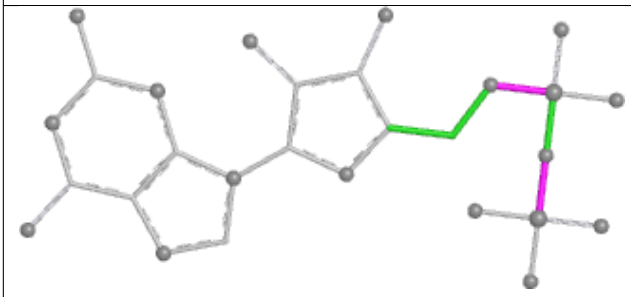
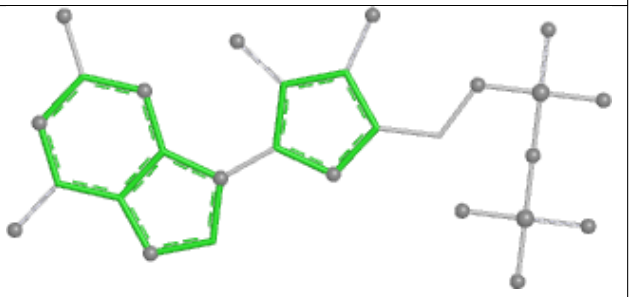


Rings

Ligand GDP CX 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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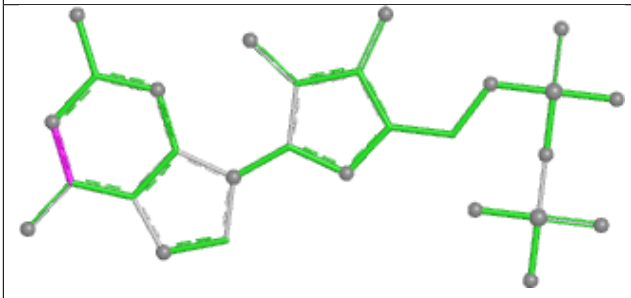
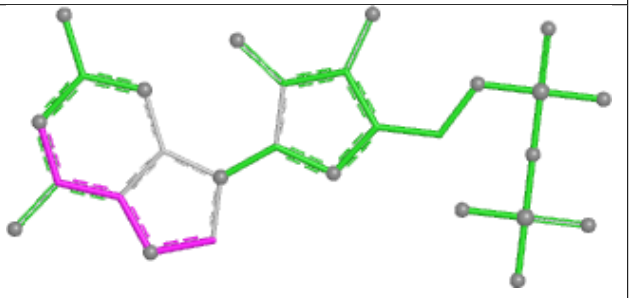
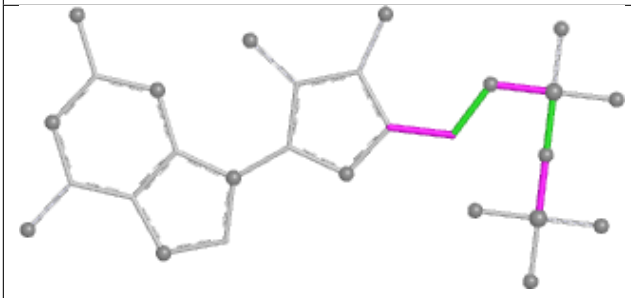
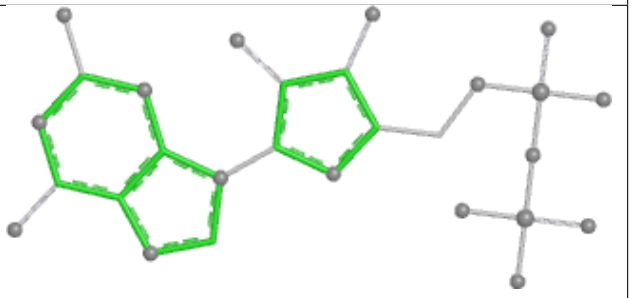
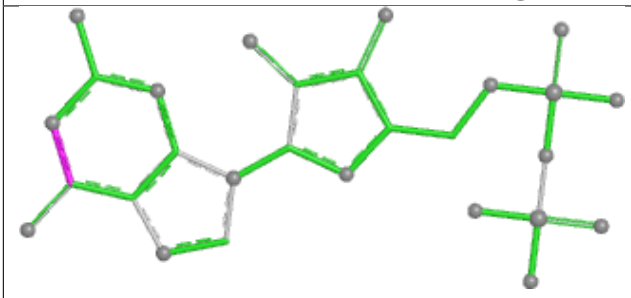
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Y8 501



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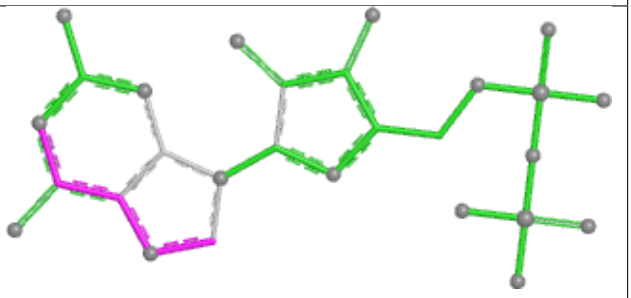
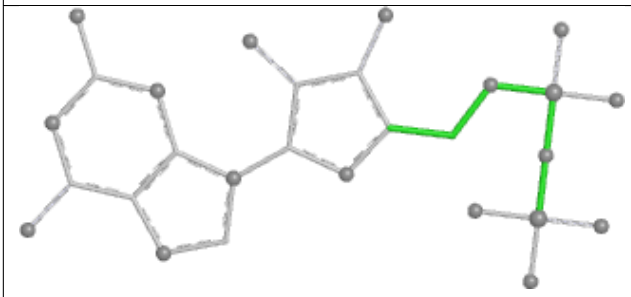


Bond angles



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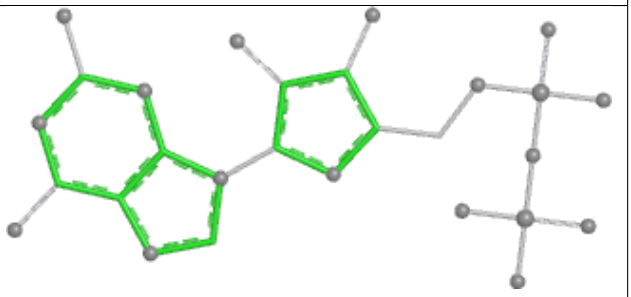
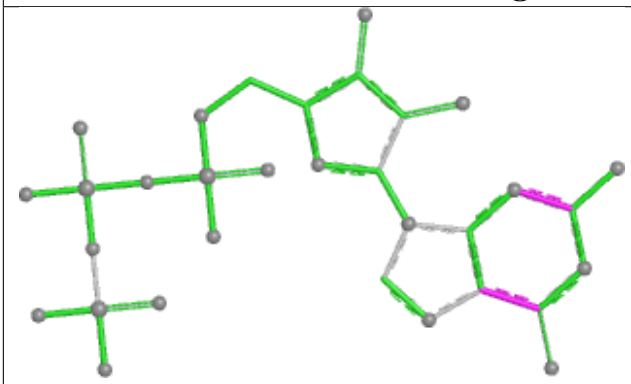


Rings

Ligand GTP LX 501



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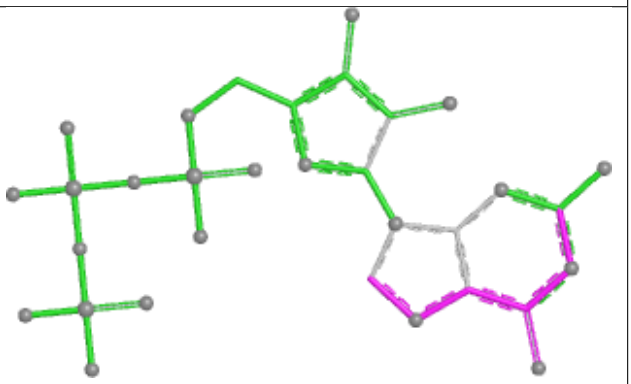

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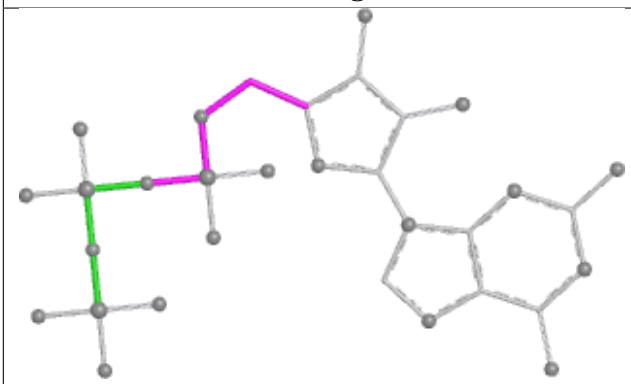

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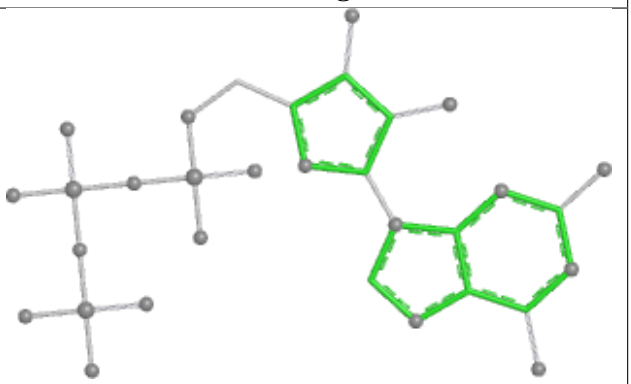
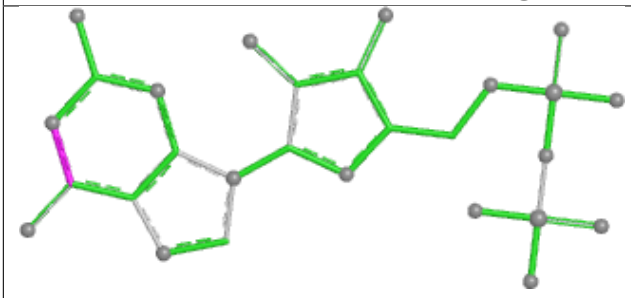
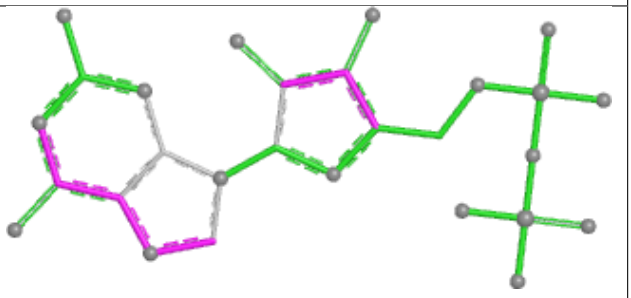
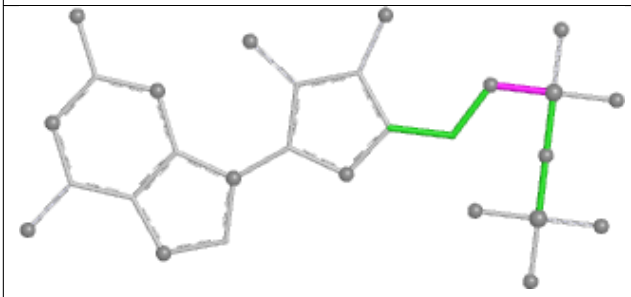
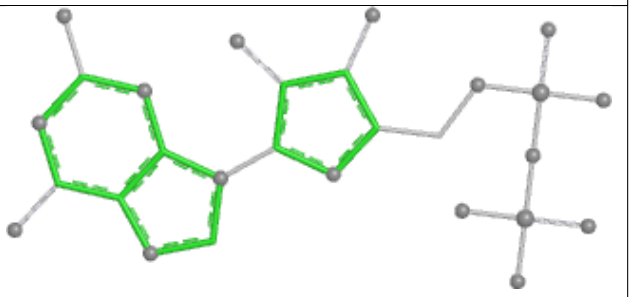
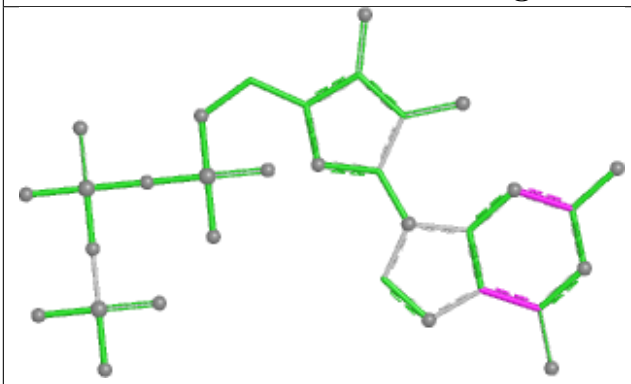
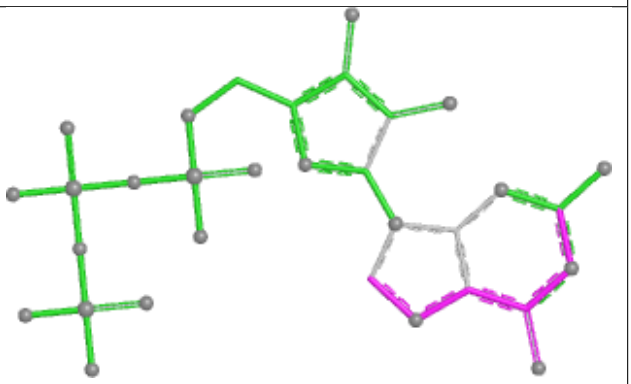
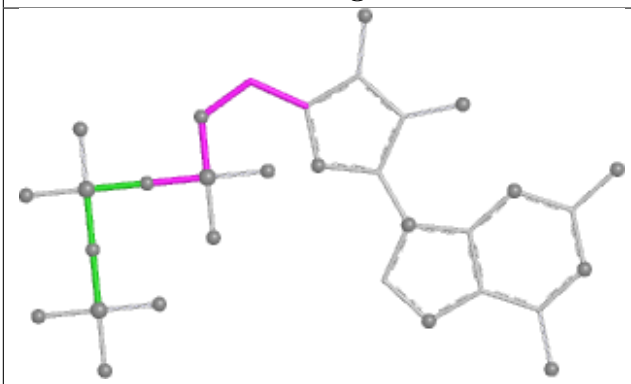
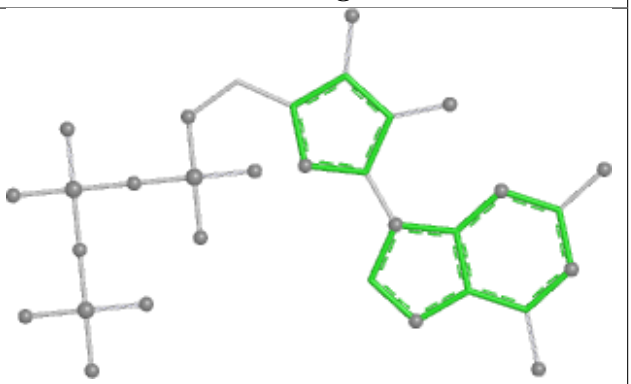


Rings

Ligand GDP 0S 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP V2 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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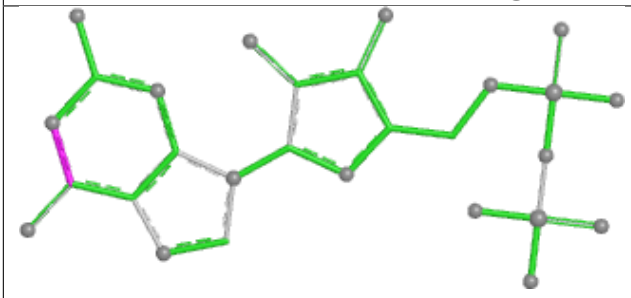
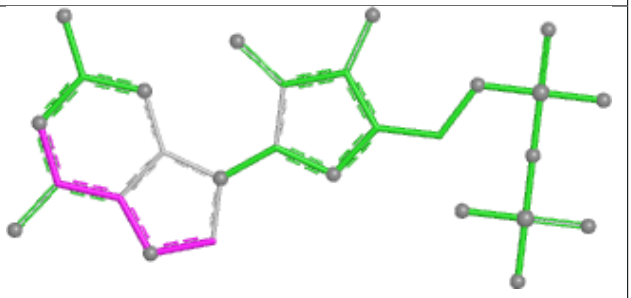
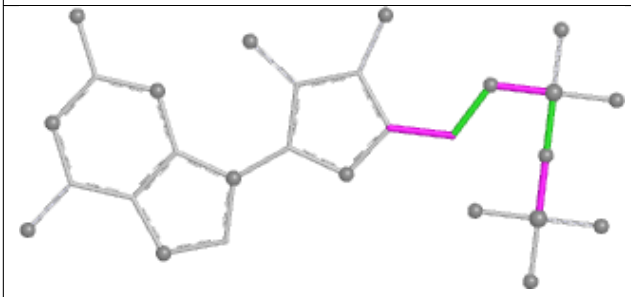
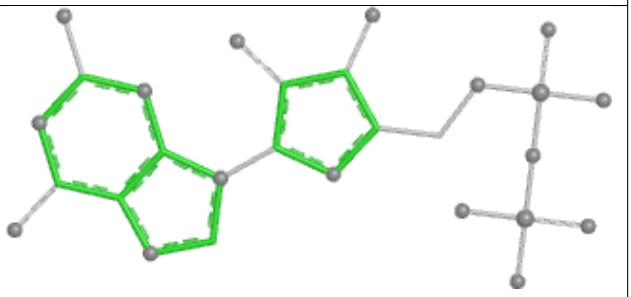
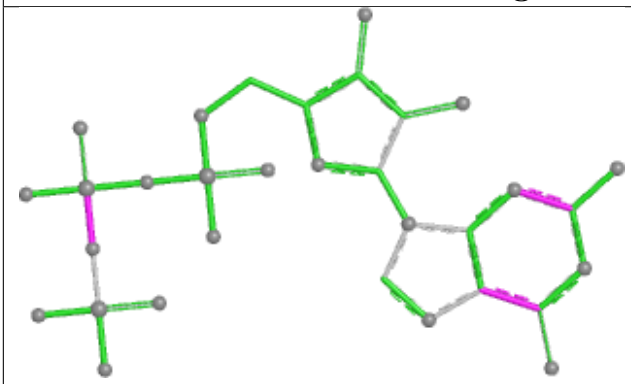
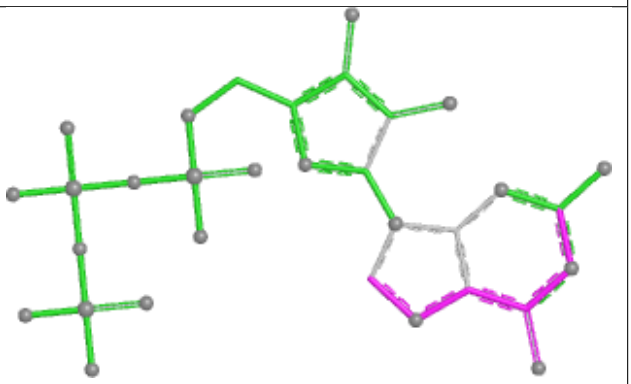
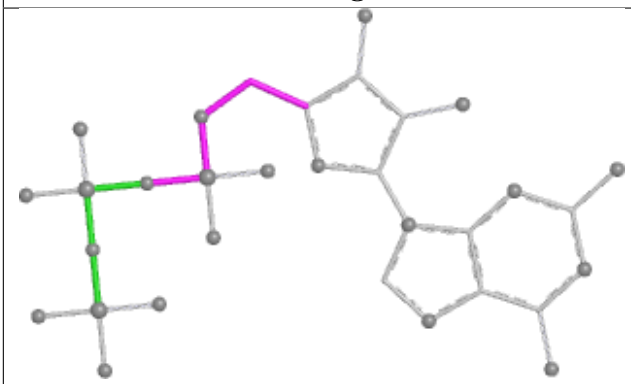
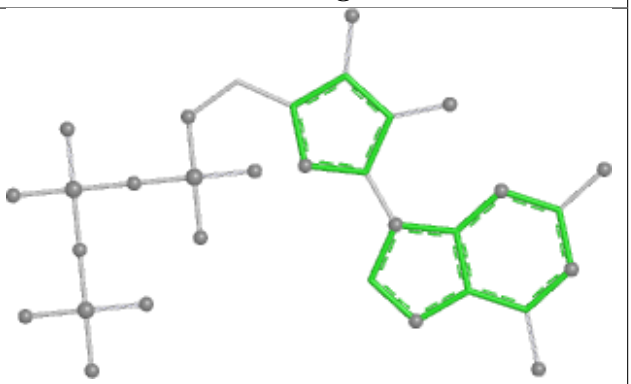
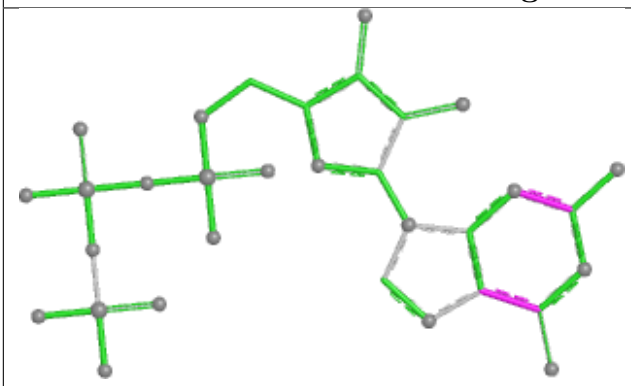
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP H6 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Jj 501



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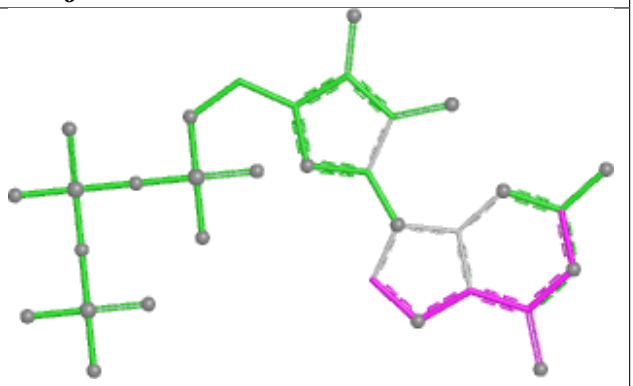

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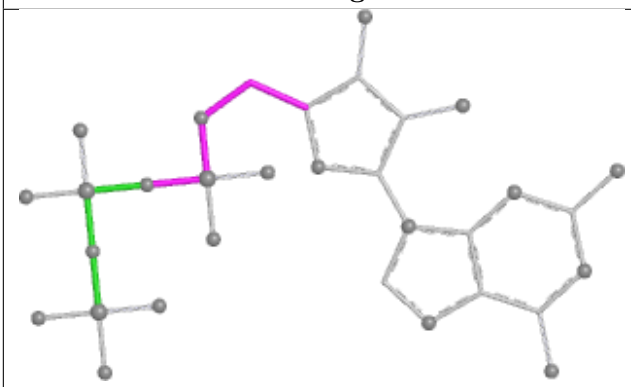

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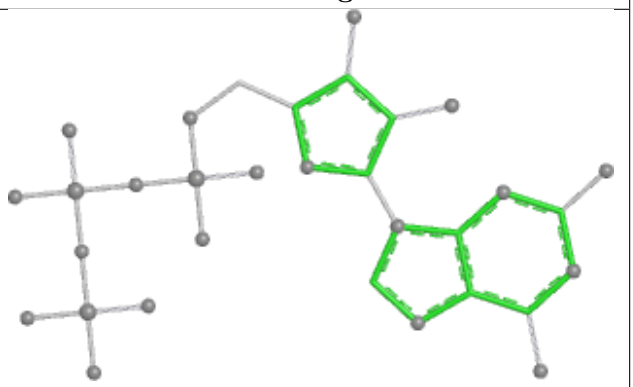

Rings

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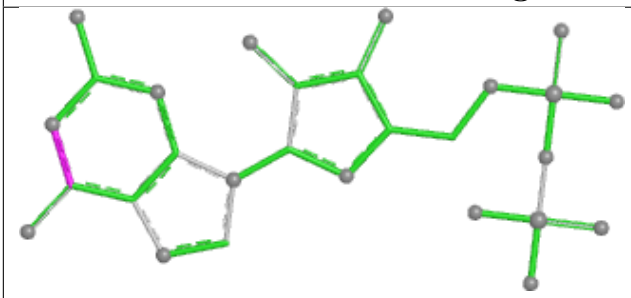

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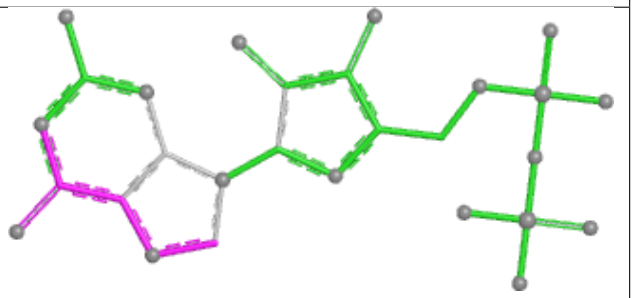

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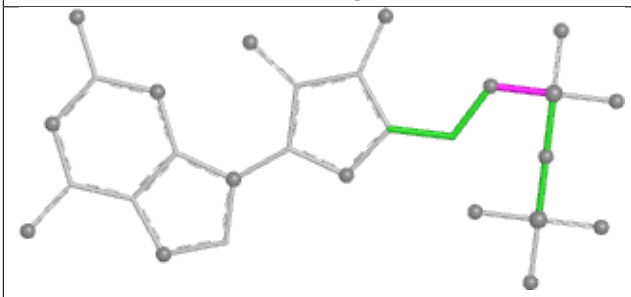

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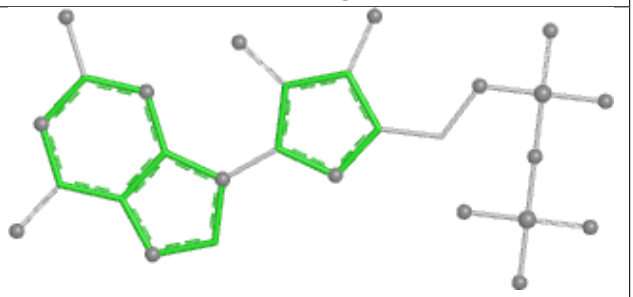

Rings

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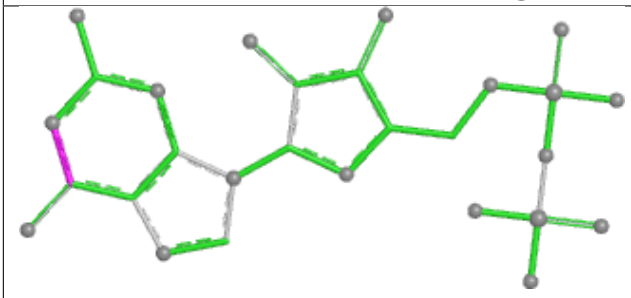	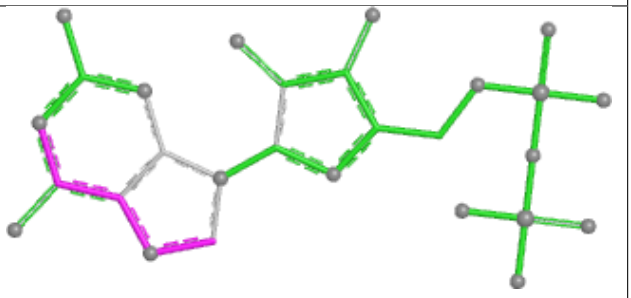
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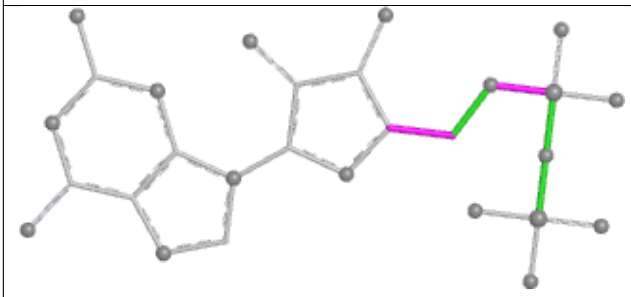	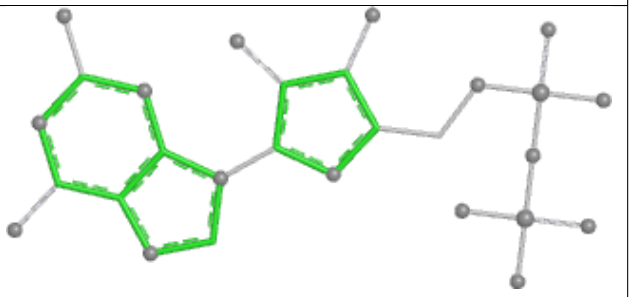
Torsions	Rings

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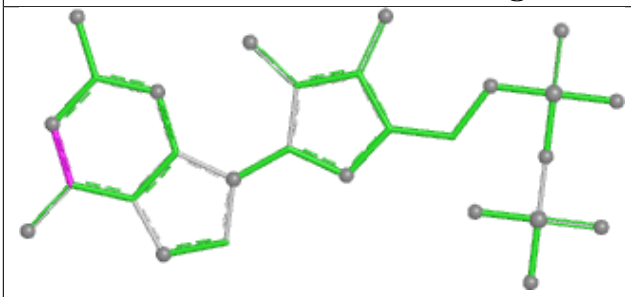	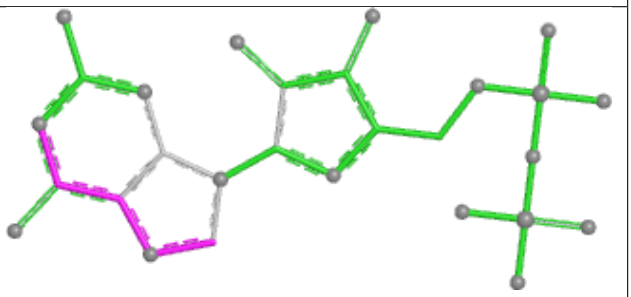
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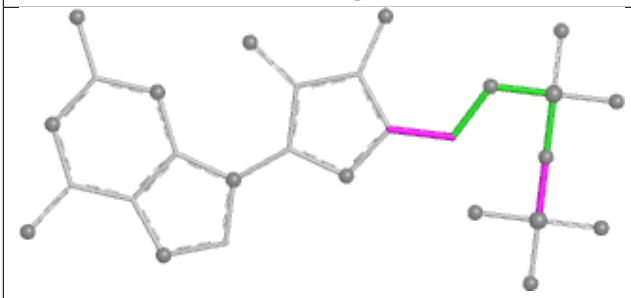
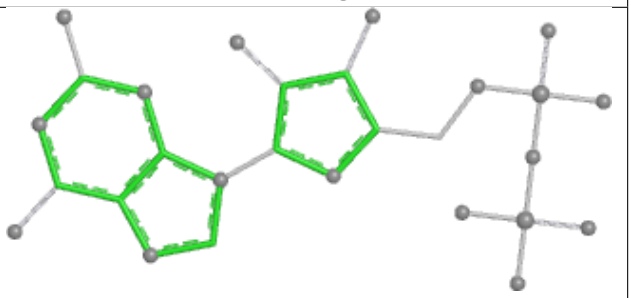
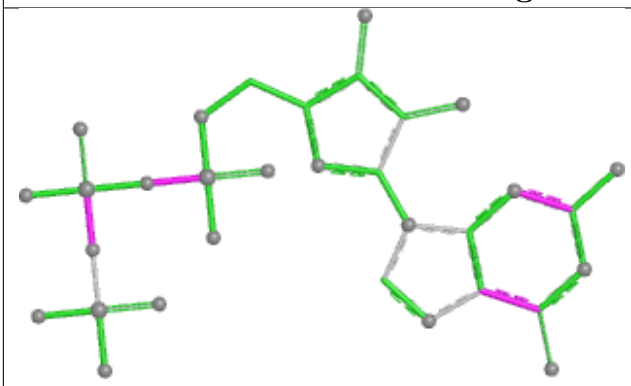
	
Torsions	Rings

Ligand GTP Z0 501



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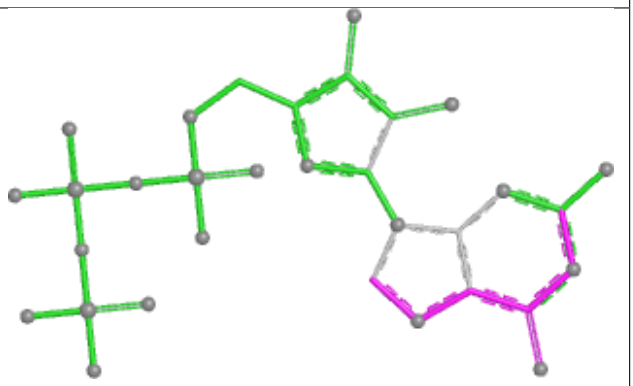

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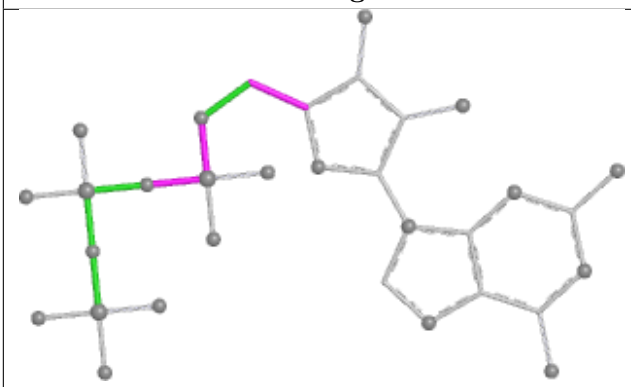

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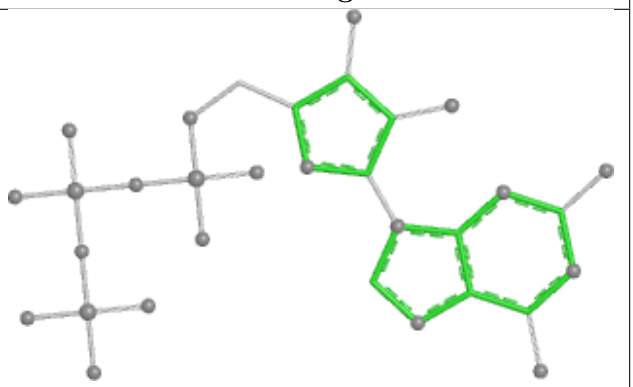
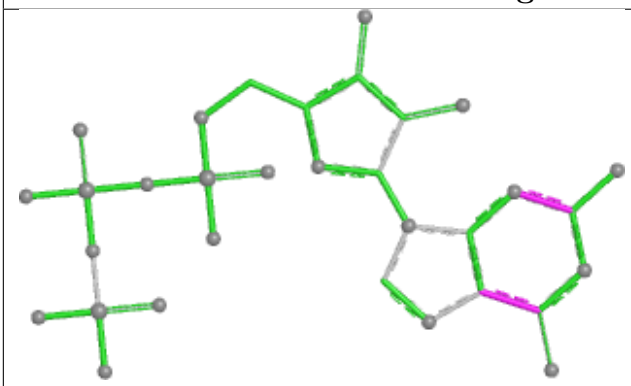


Rings

Ligand GTP S2 501



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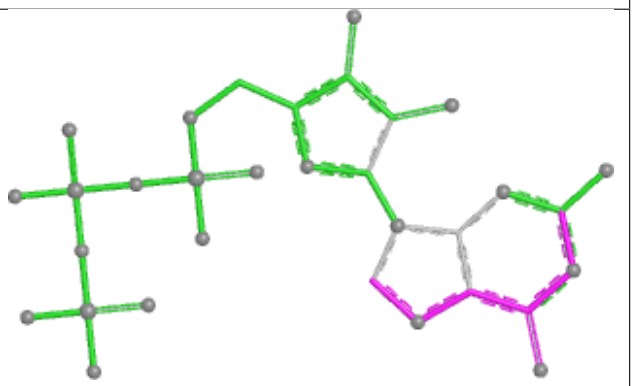

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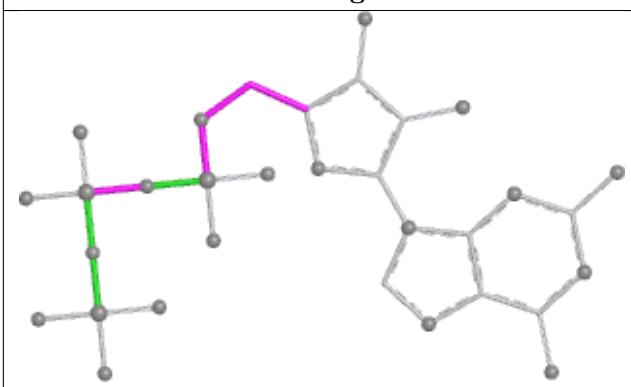

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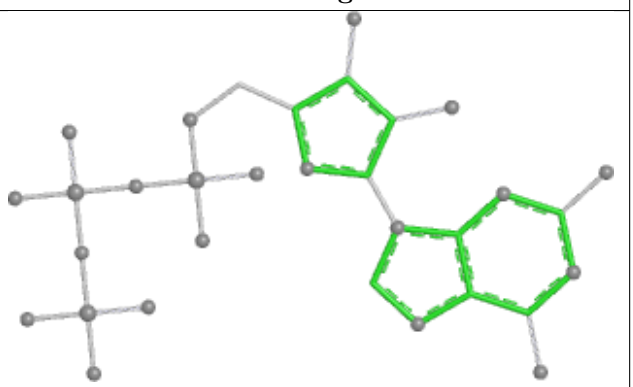

Rings

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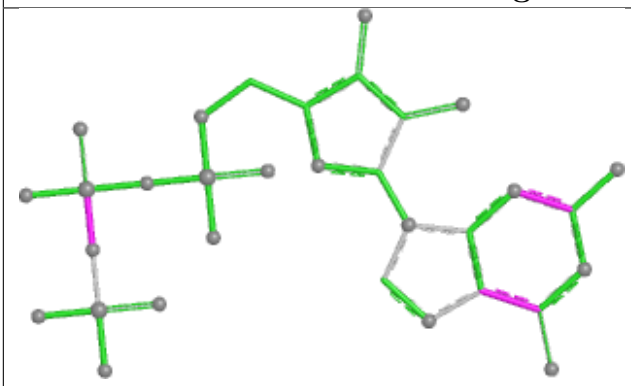

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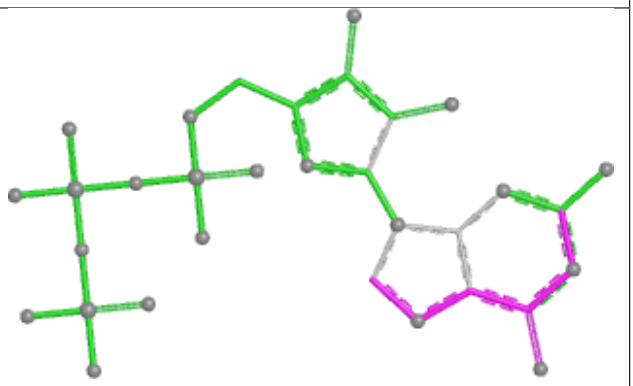

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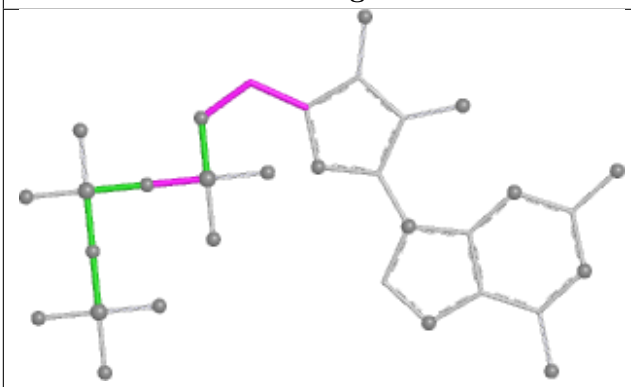

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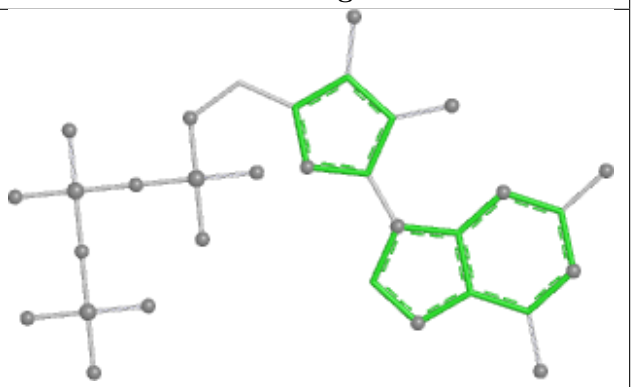

Rings

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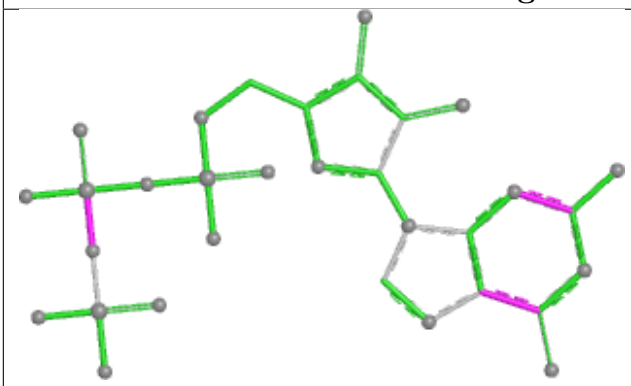

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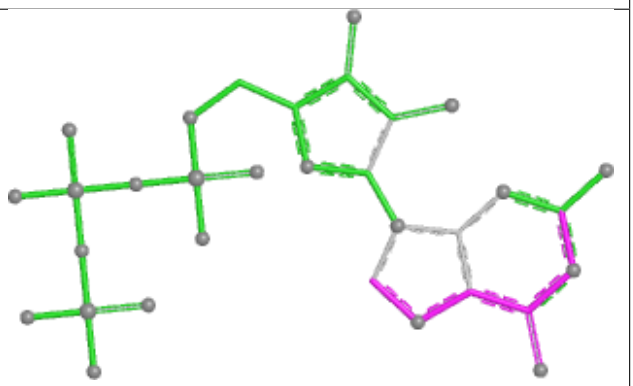

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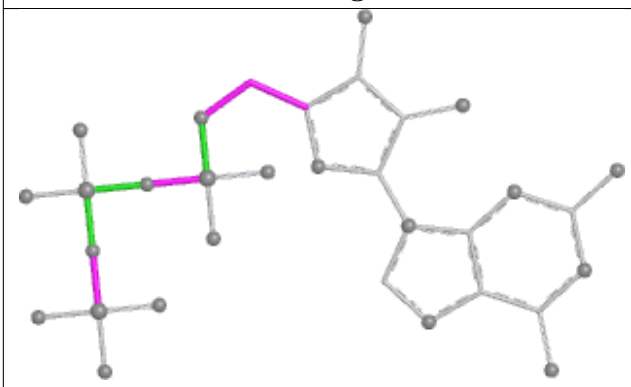

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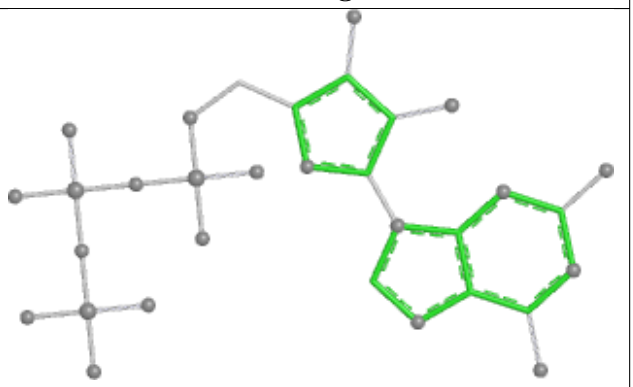

Rings

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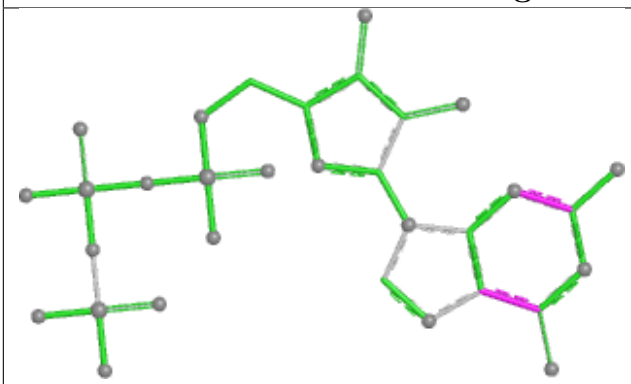

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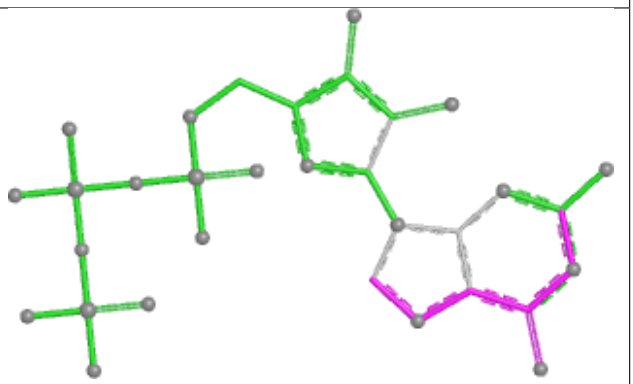

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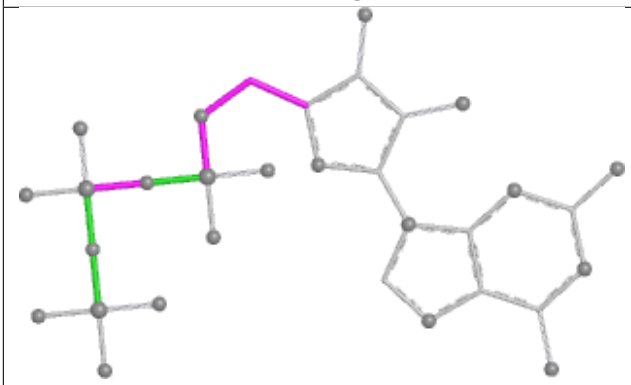

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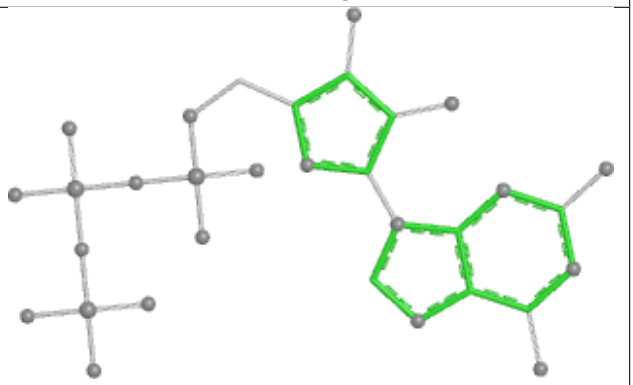

Rings

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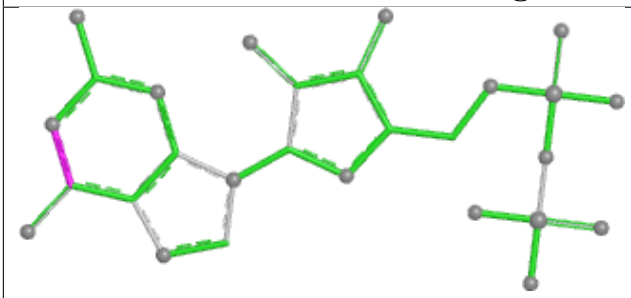

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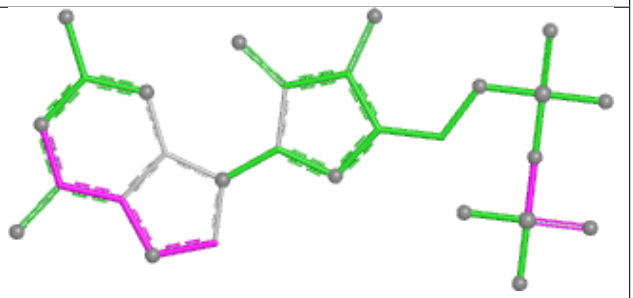

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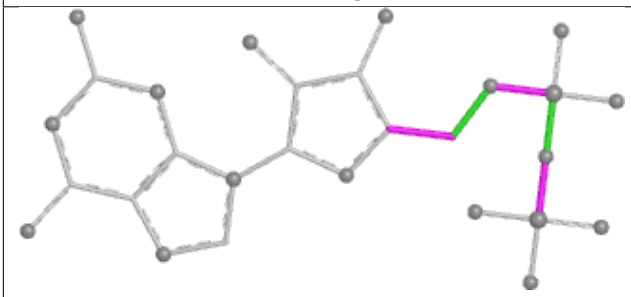

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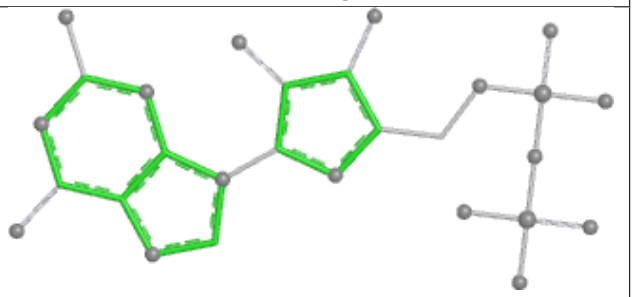

Rings

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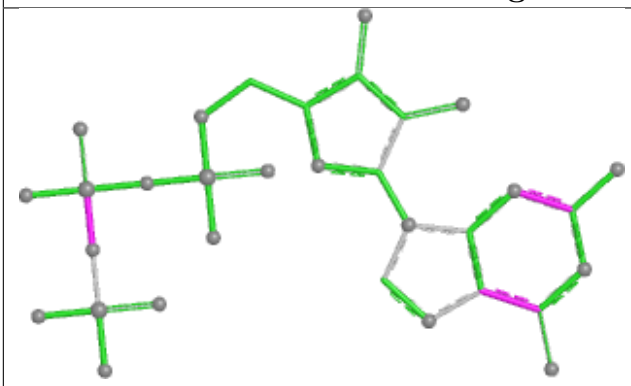

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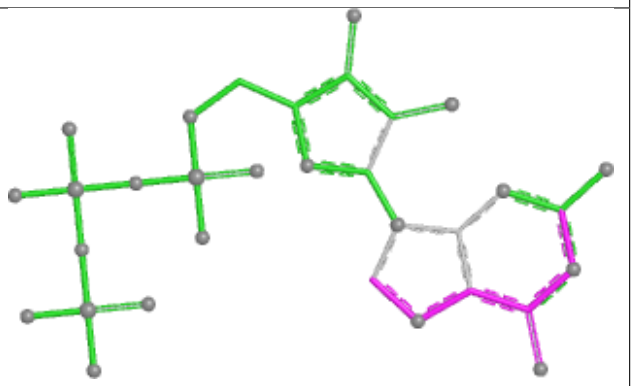

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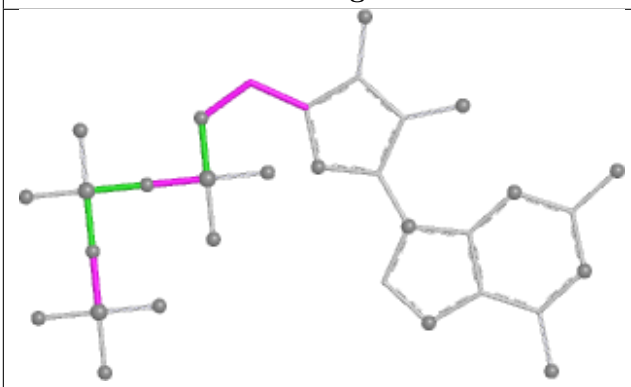

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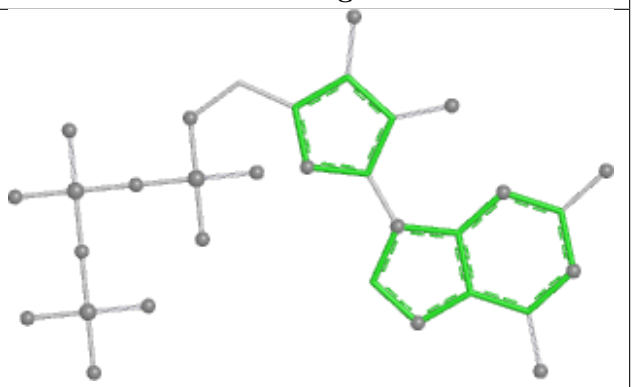

Rings

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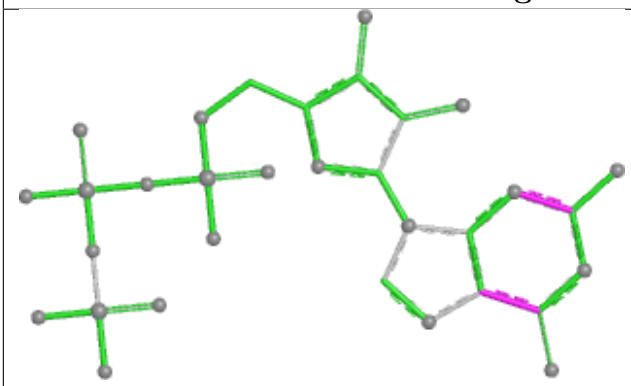

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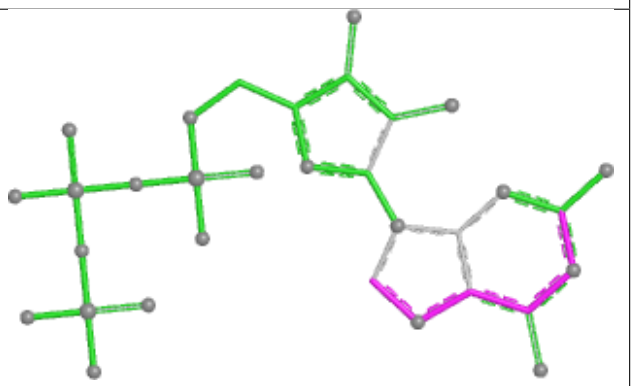

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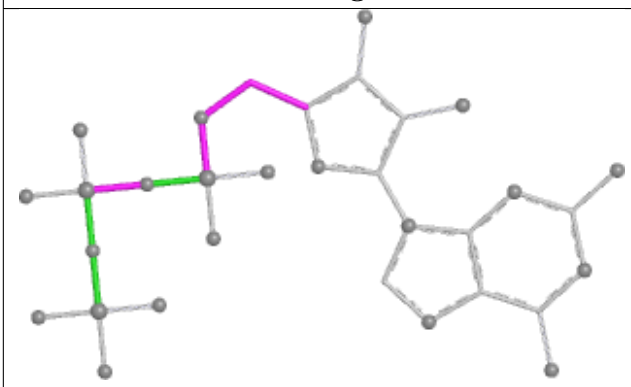

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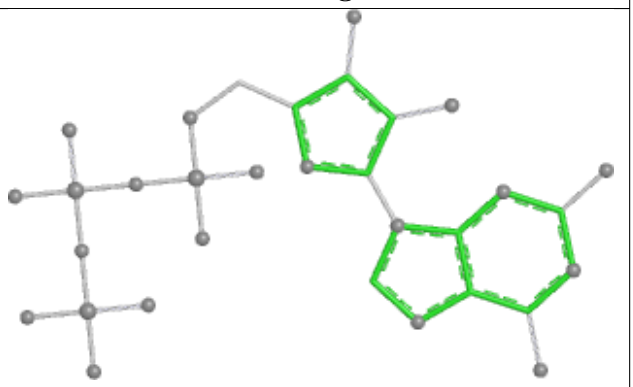

Rings

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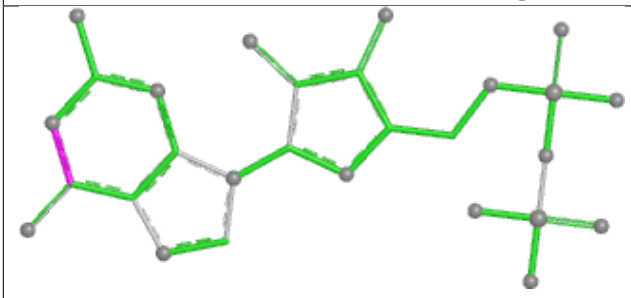
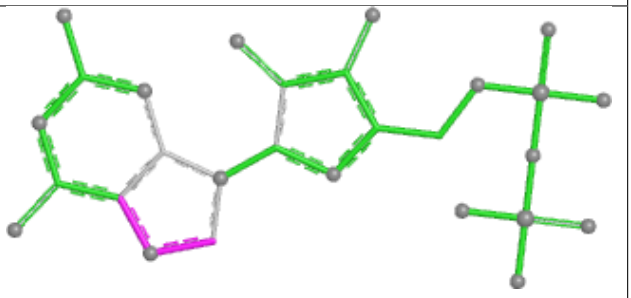
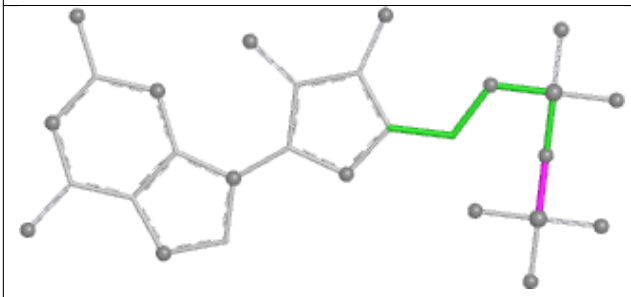
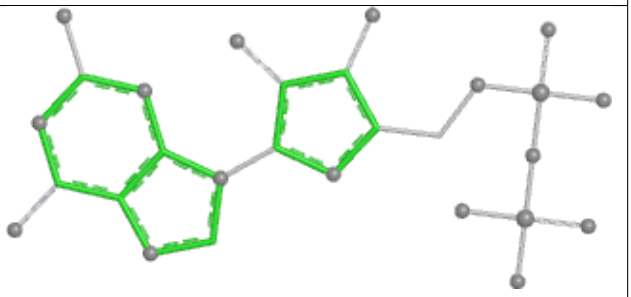
 Bond lengths	 Bond angles
 Torsions	 Rings

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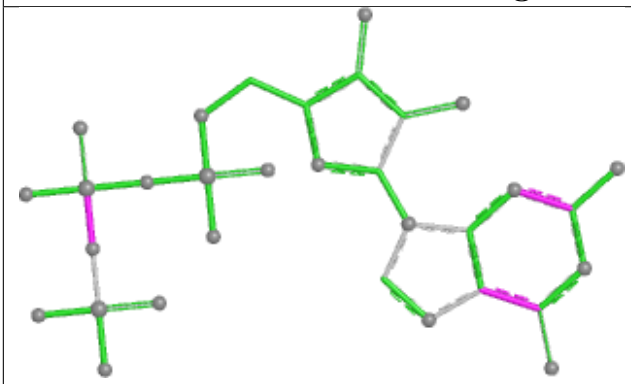
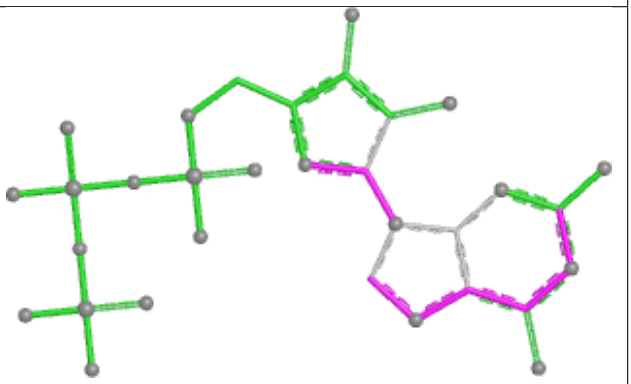
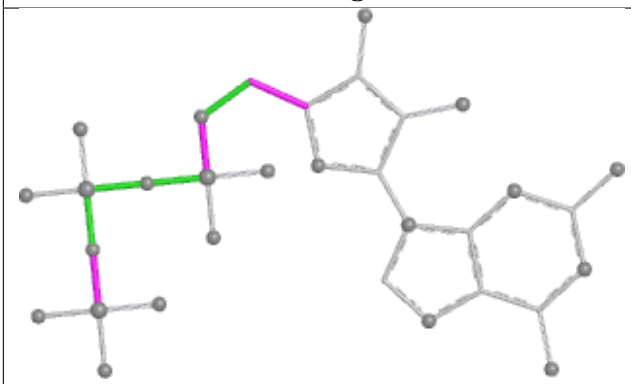
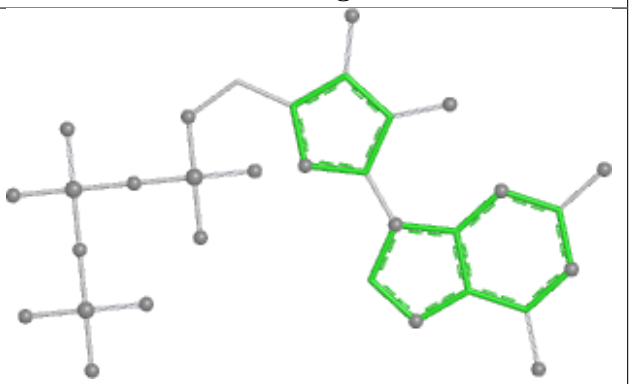
 Bond lengths	 Bond angles
 Torsions	 Rings

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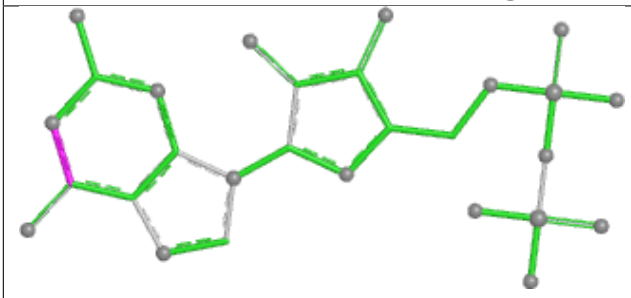
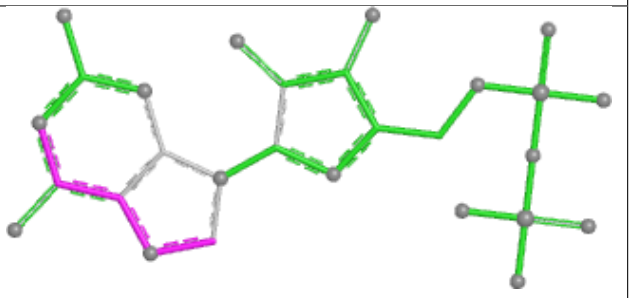
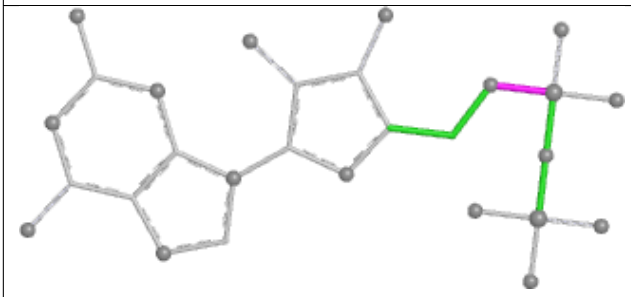
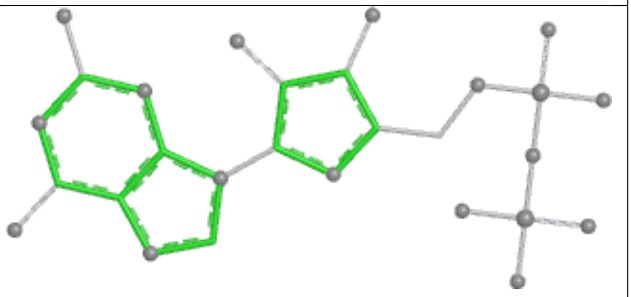
 Bond lengths	 Bond angles
 Torsions	 Rings

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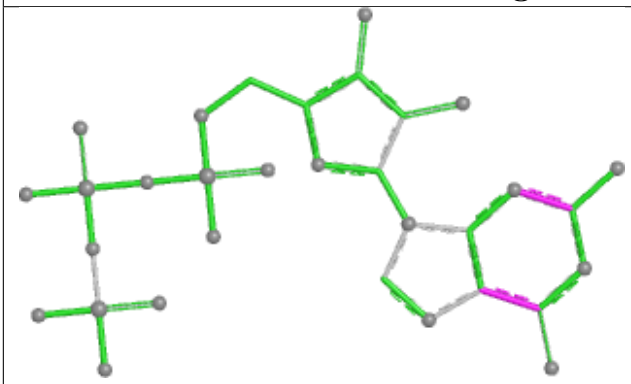
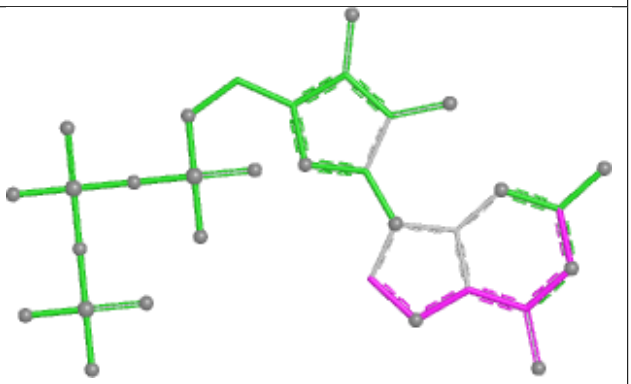
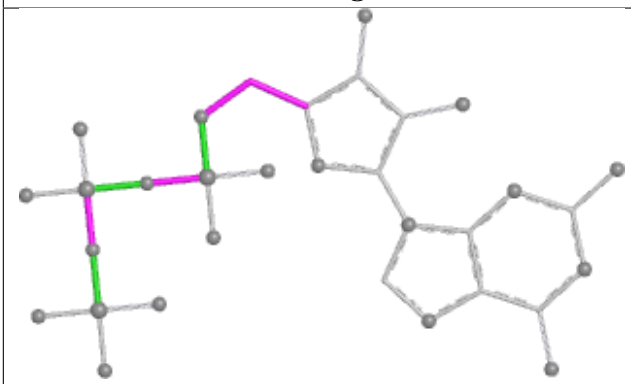
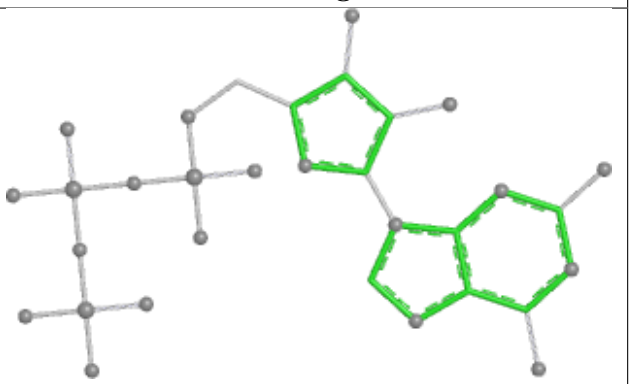
 Bond lengths	 Bond angles
 Torsions	 Rings

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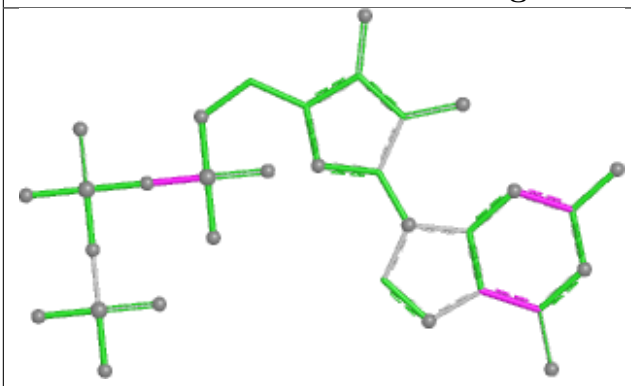

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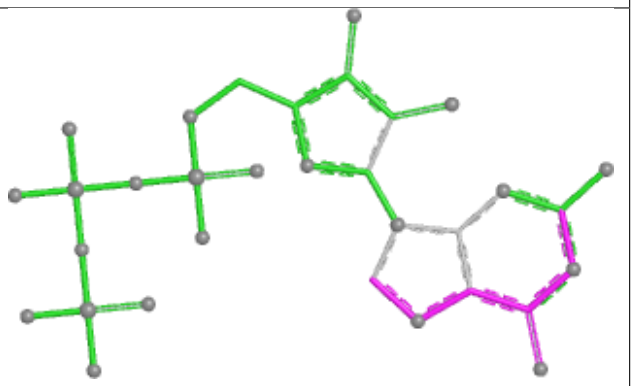

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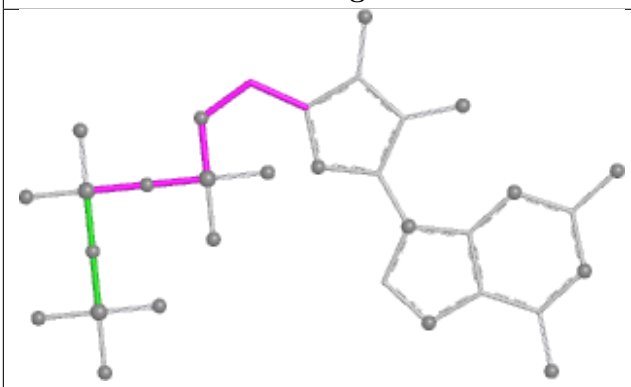

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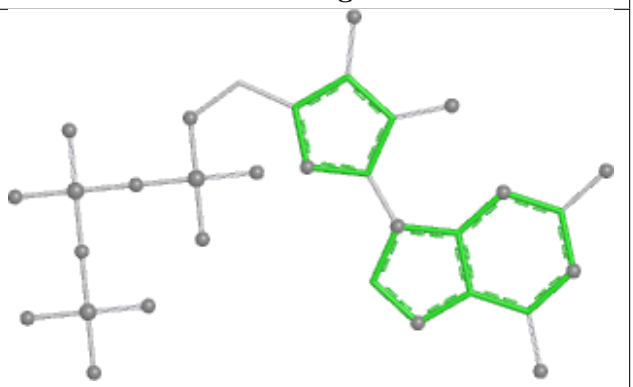
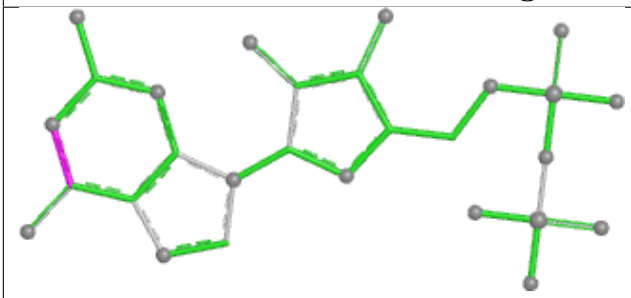


Rings

Ligand GDP 0I 503



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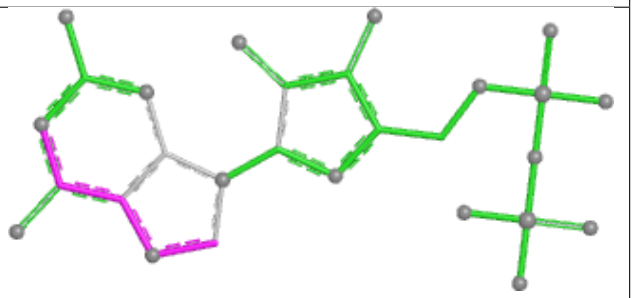

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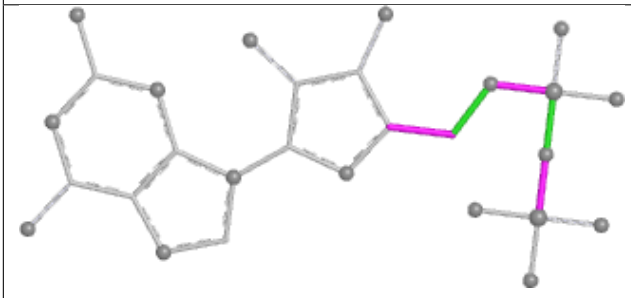

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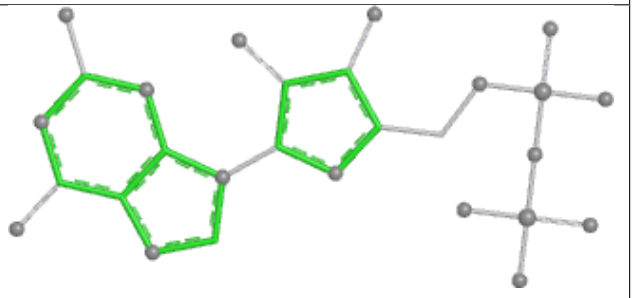

Rings

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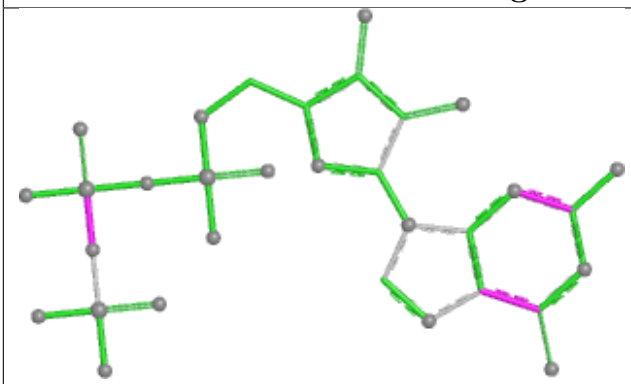

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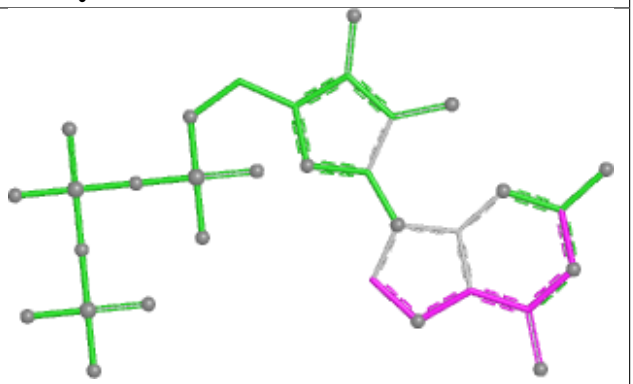

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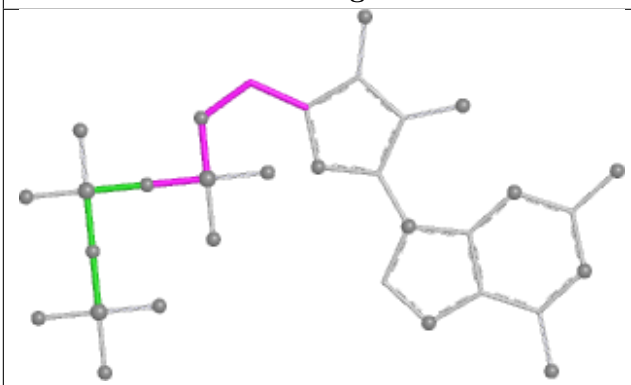

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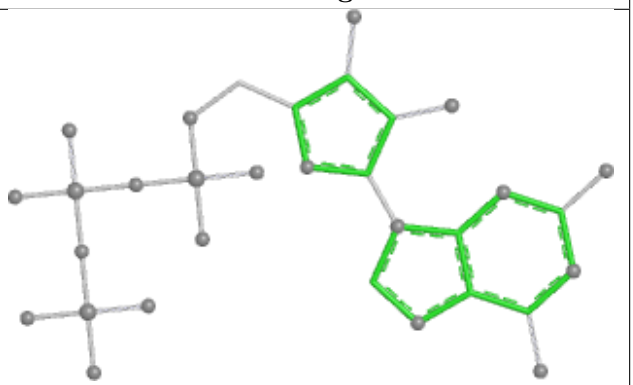

Rings

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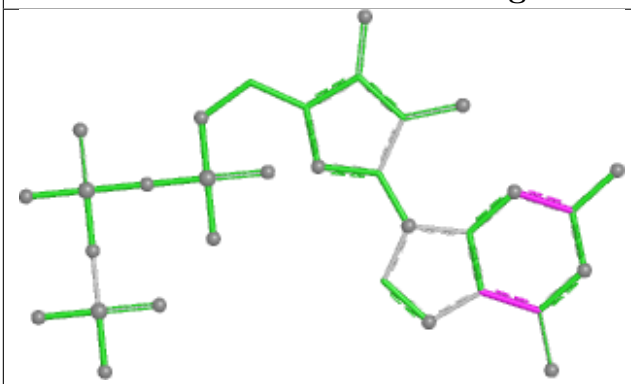

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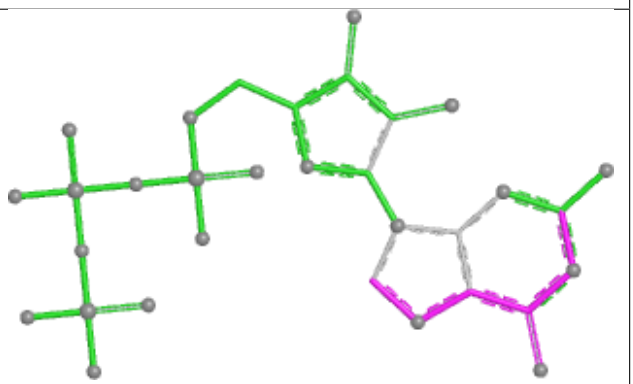

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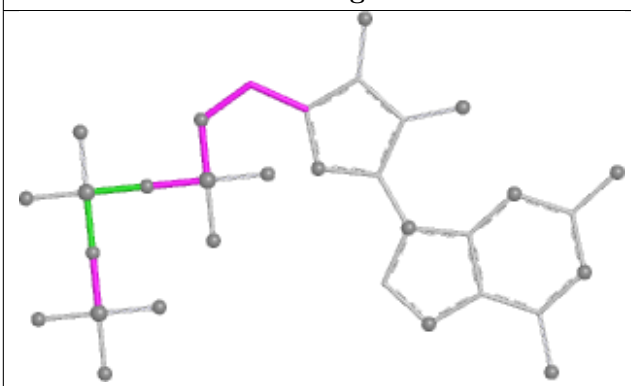

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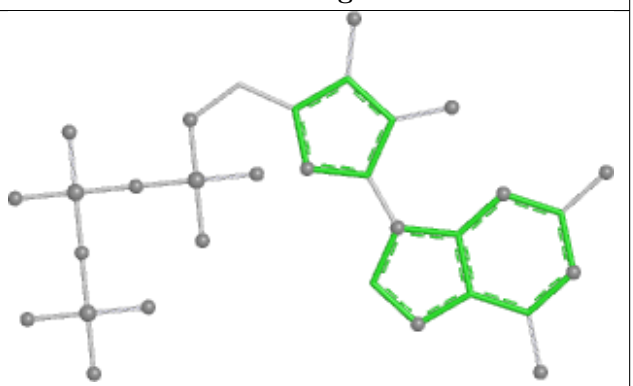

Rings

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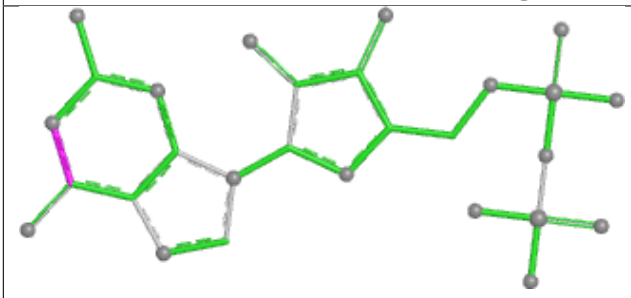
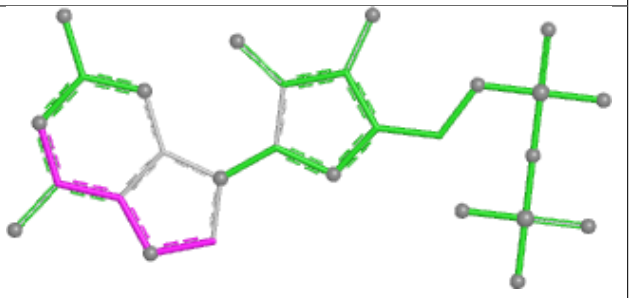
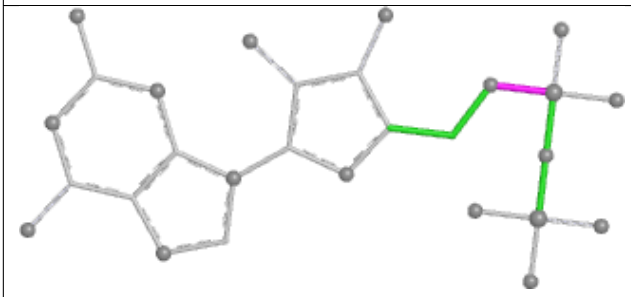
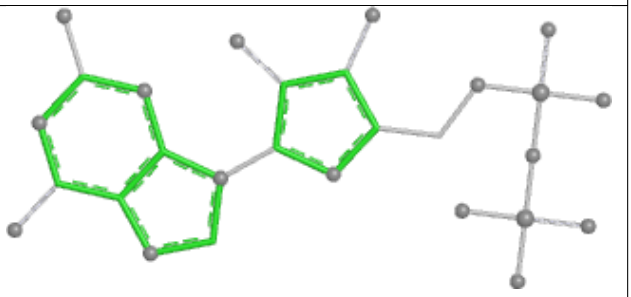
 Bond lengths	 Bond angles
 Torsions	 Rings

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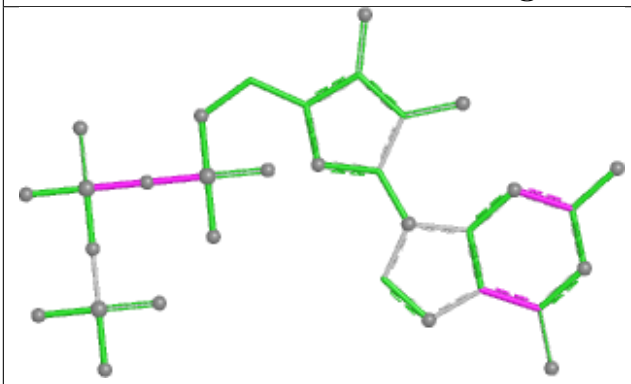
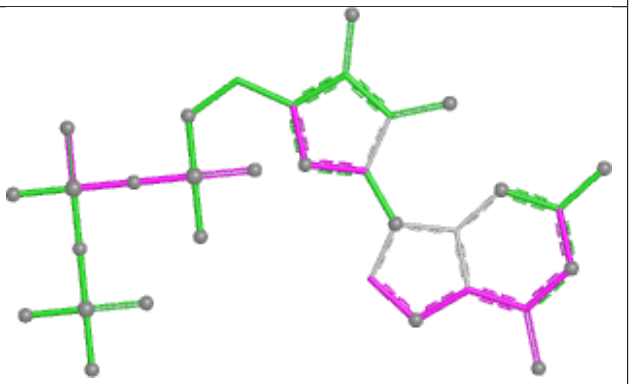
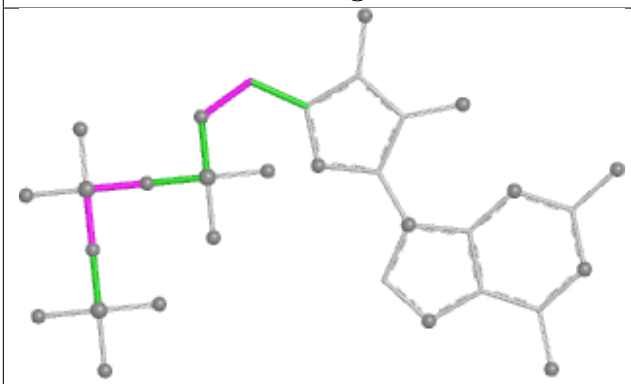
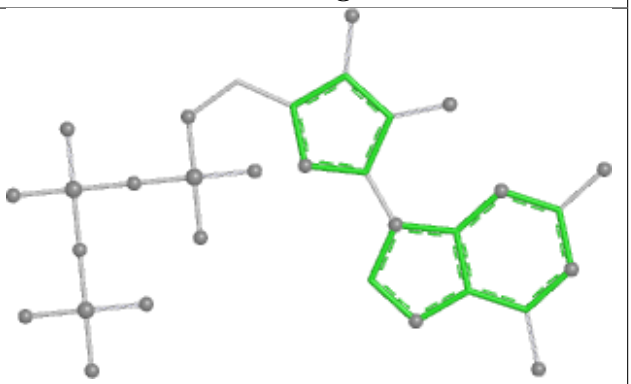
 Bond lengths	 Bond angles
 Torsions	 Rings

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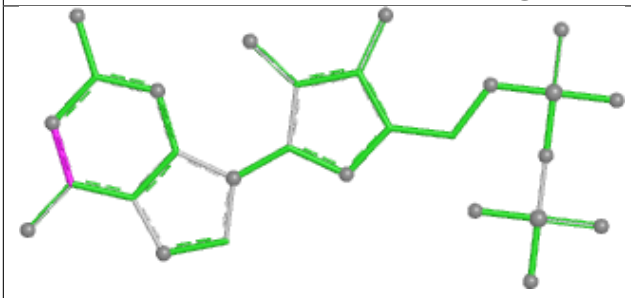
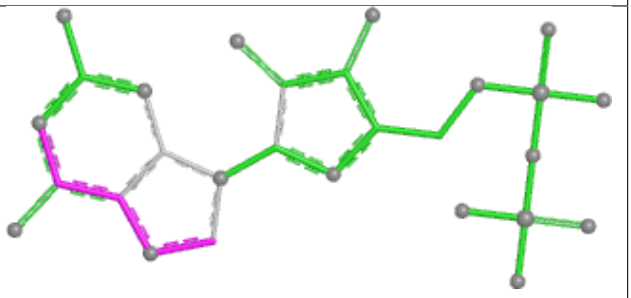
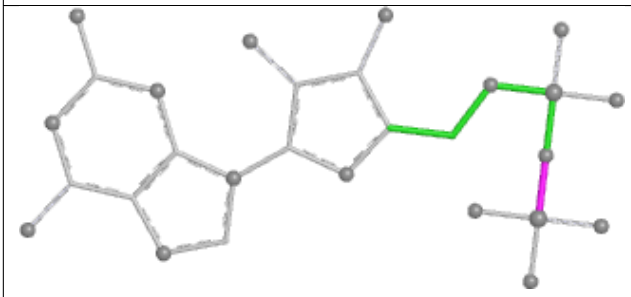
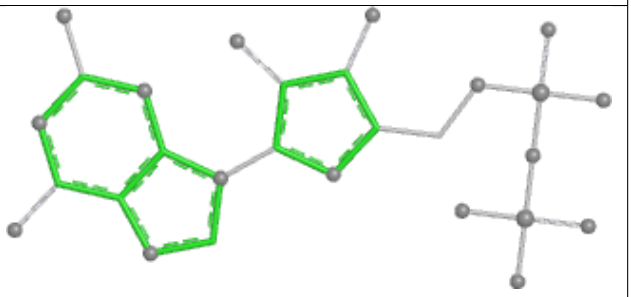
 Bond lengths	 Bond angles
 Torsions	 Rings

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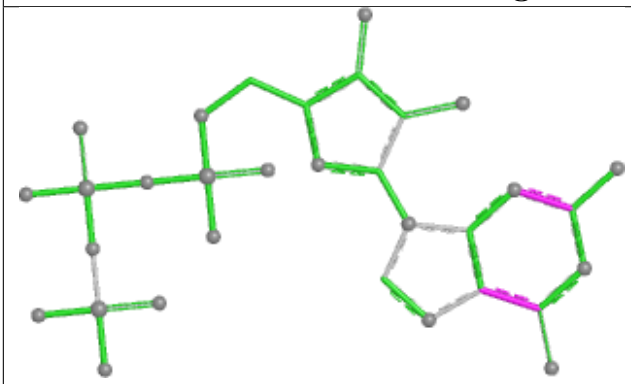
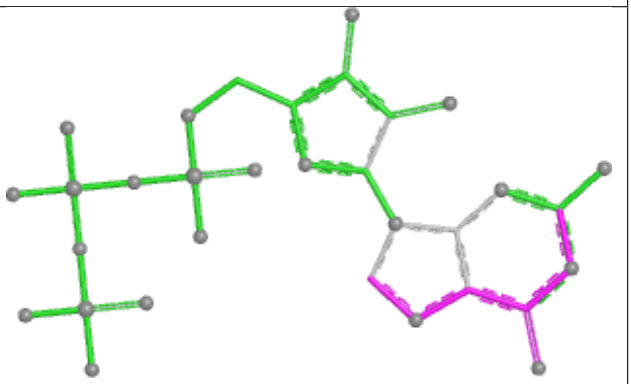
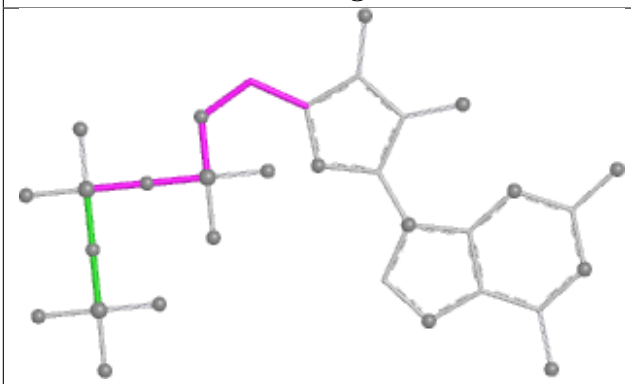
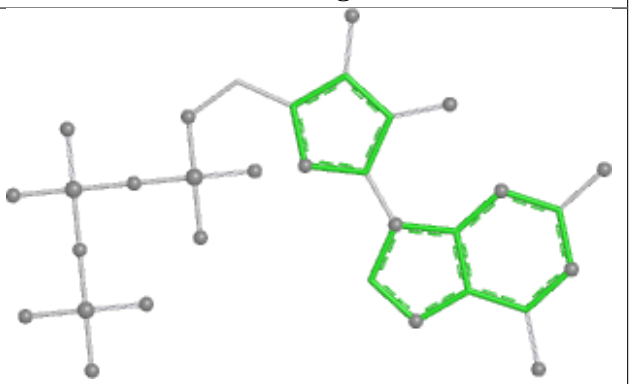
 Bond lengths	 Bond angles
 Torsions	 Rings

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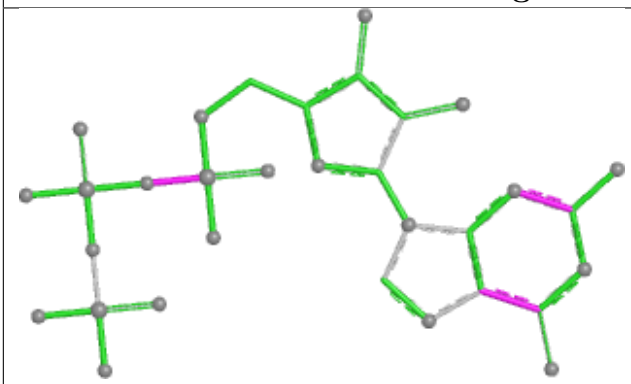

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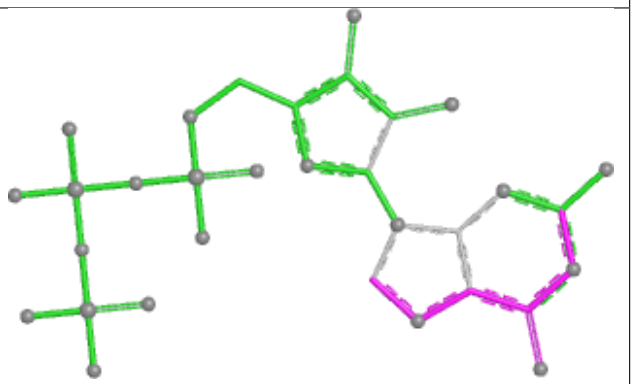

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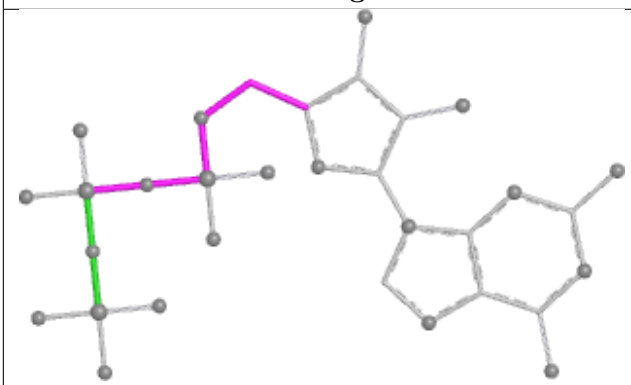

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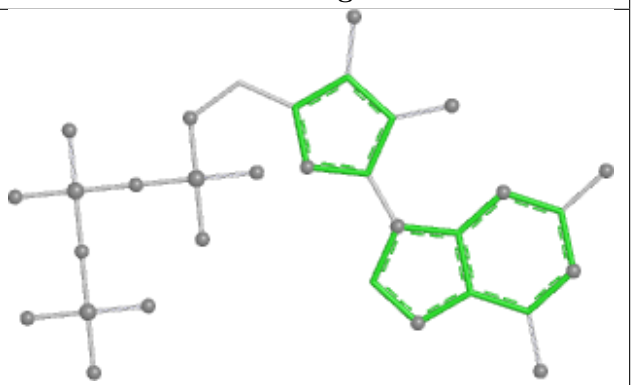
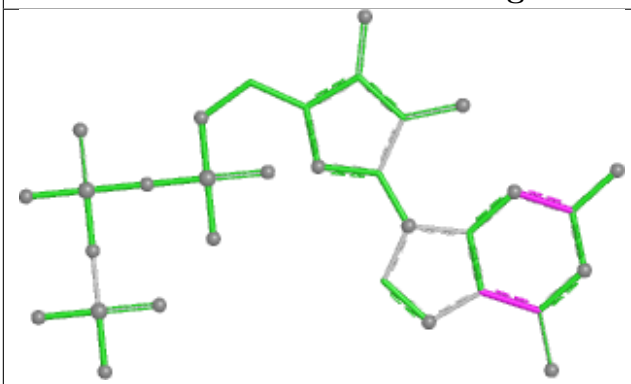


Rings

Ligand GTP Dm 501



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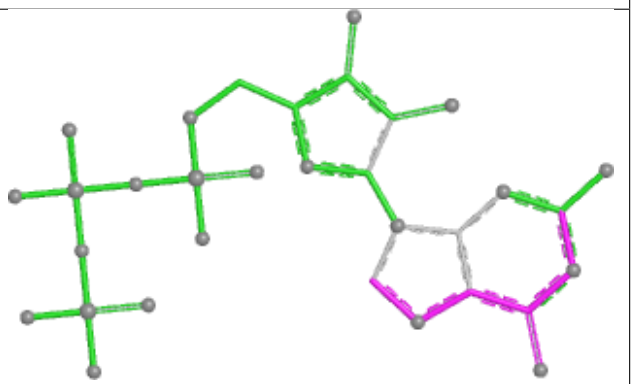

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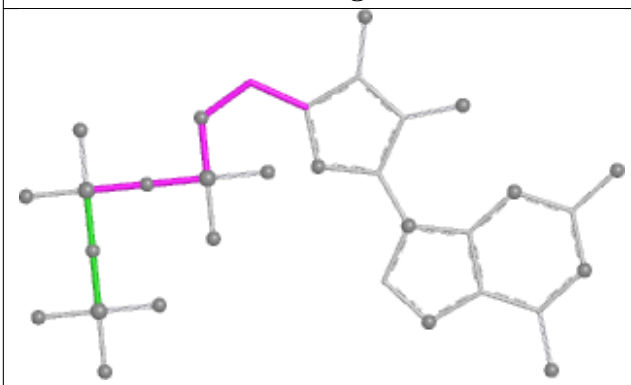

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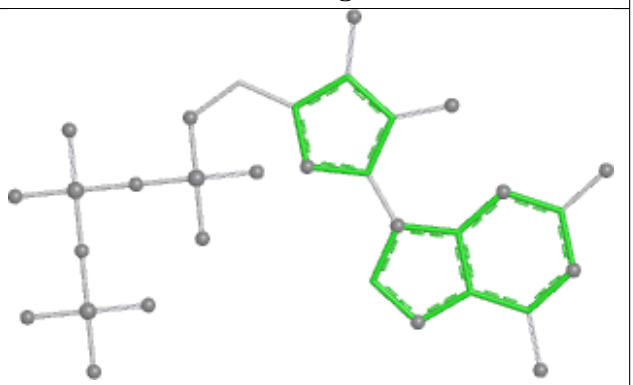

Rings

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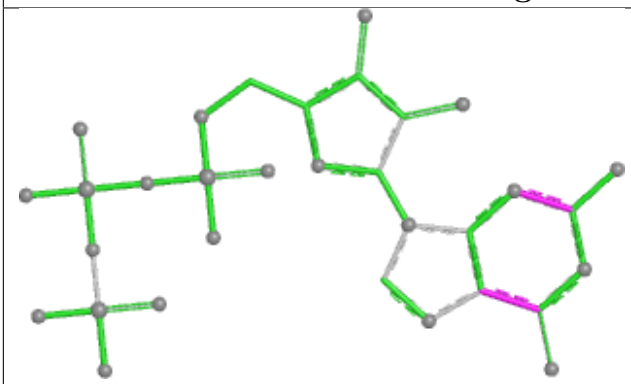

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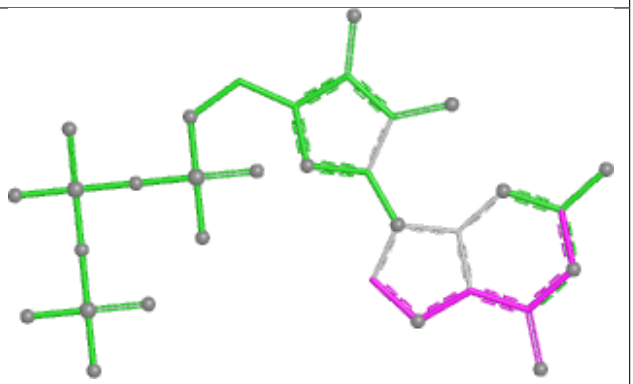

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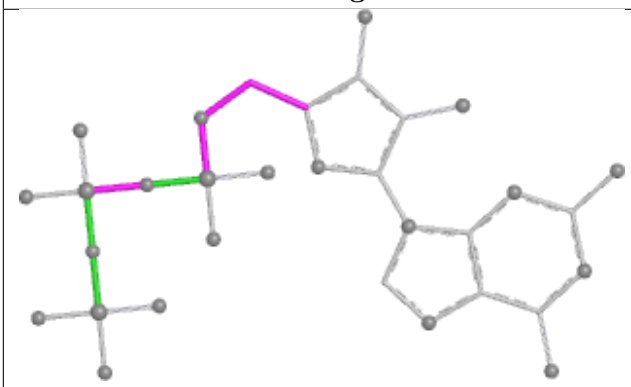

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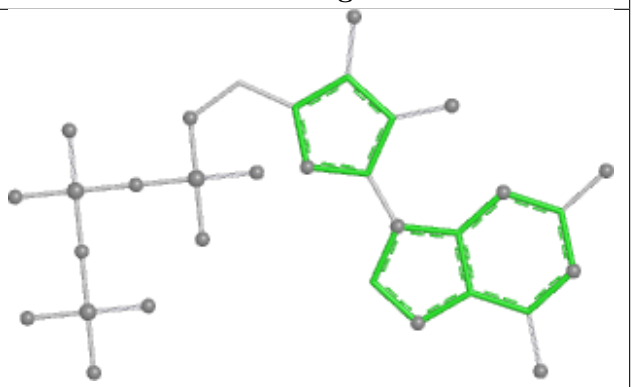
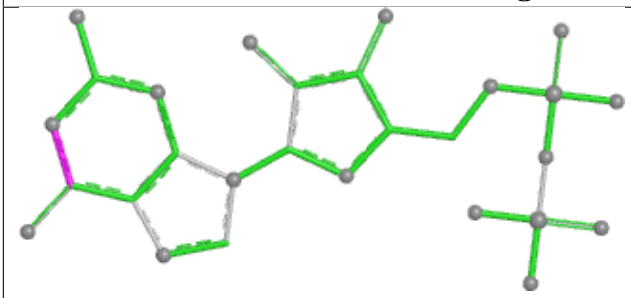


Rings

Ligand GDP Fg 502



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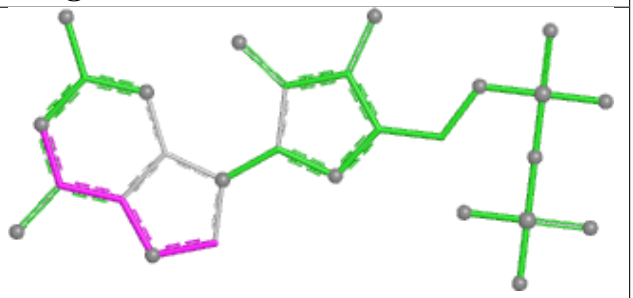

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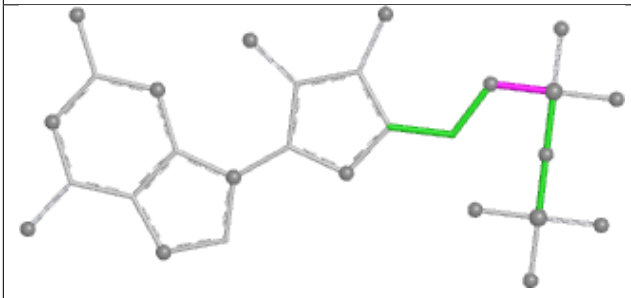
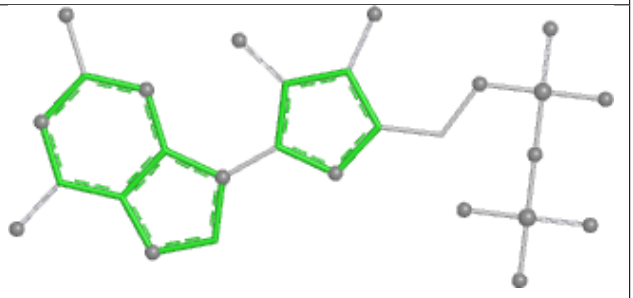
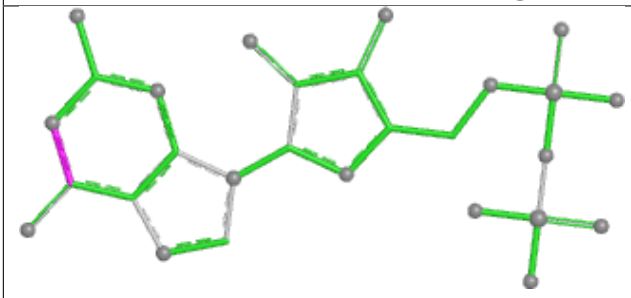
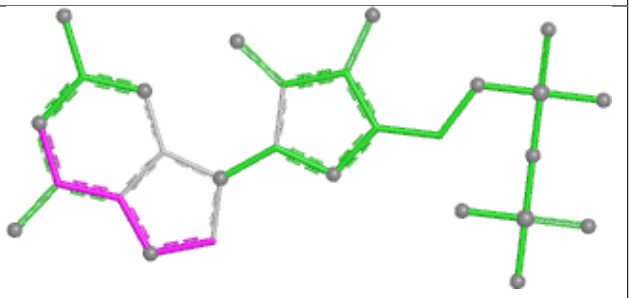
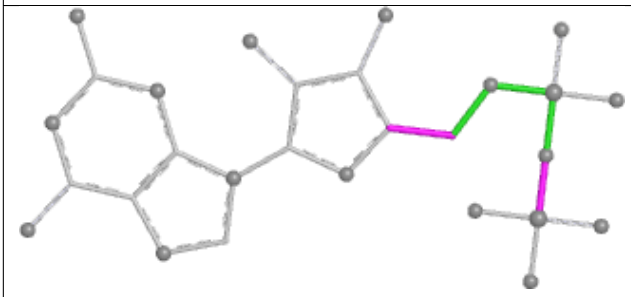
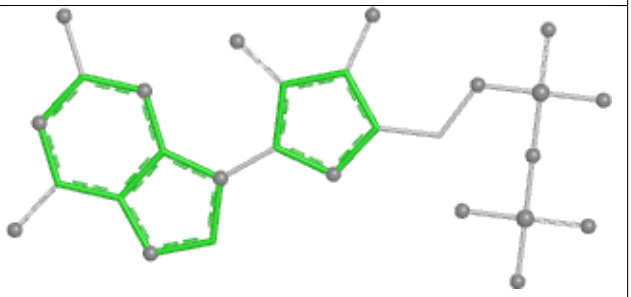
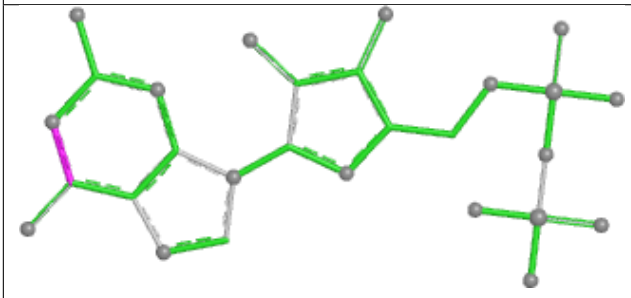
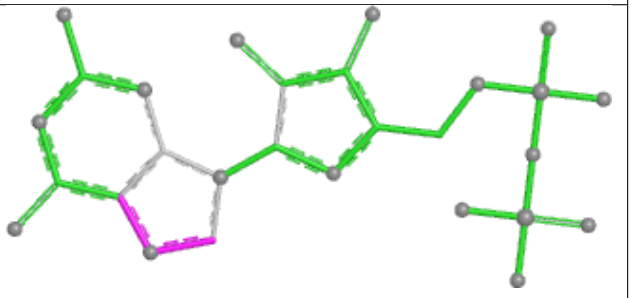
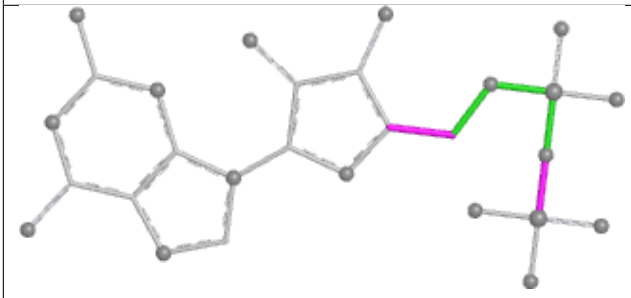
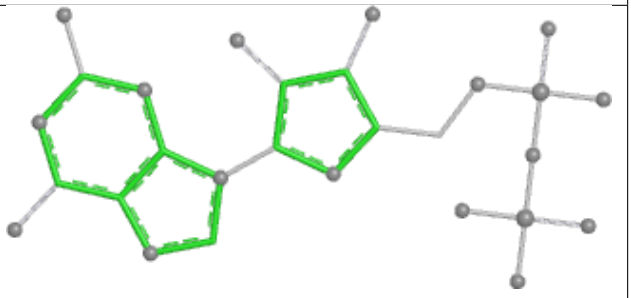


Torsions



Rings

Ligand GDP G8 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP A1 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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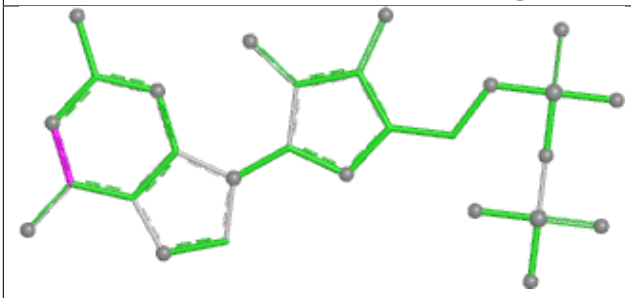
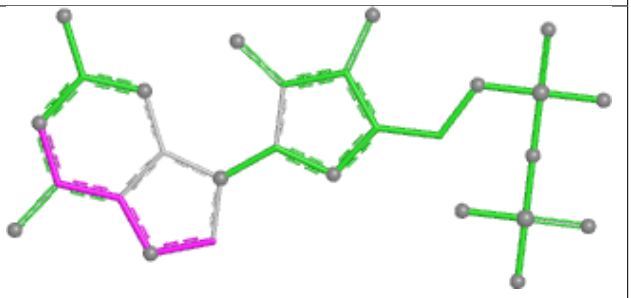
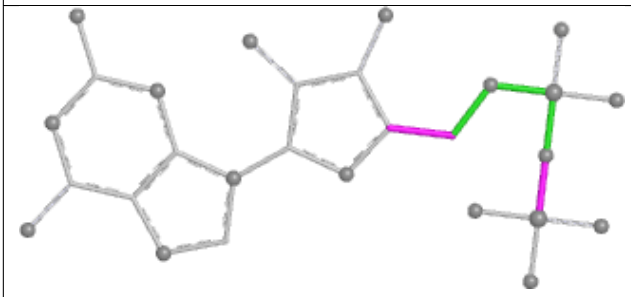
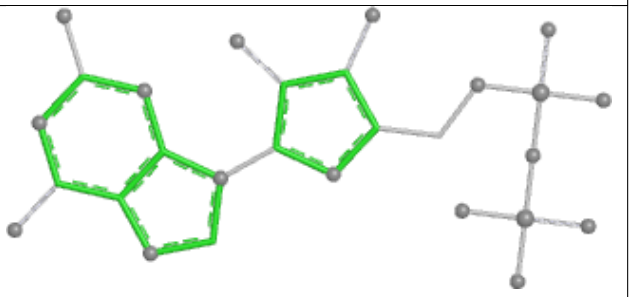
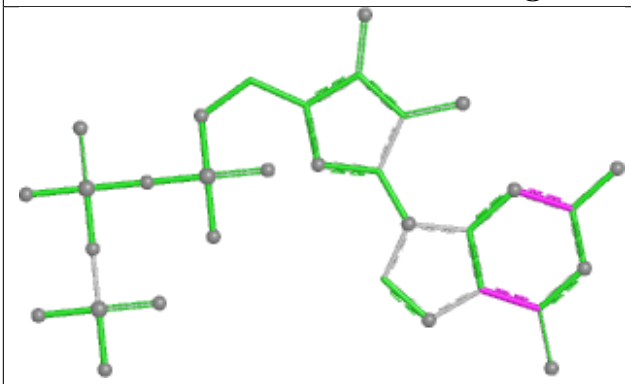
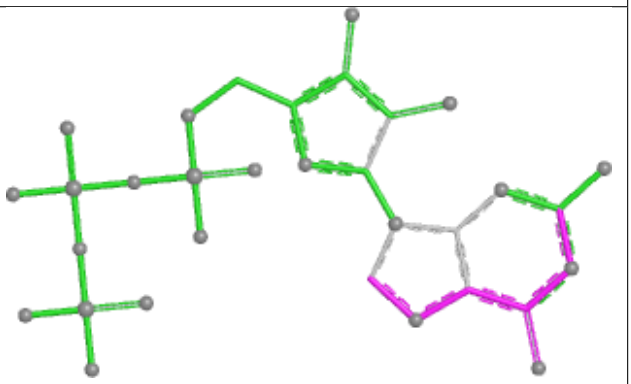
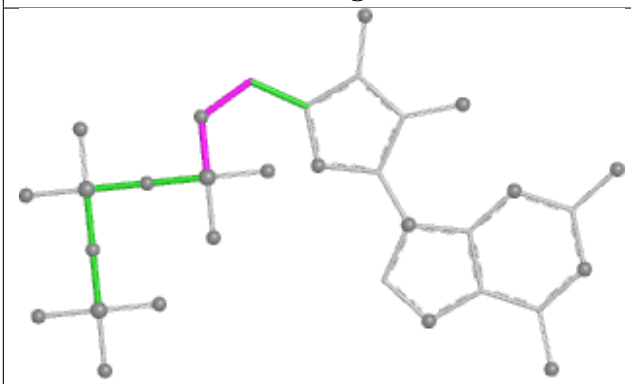
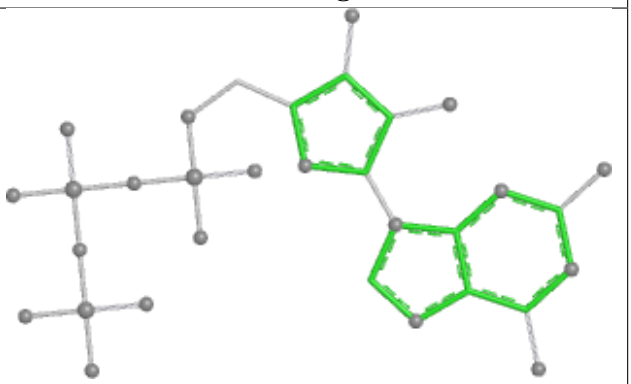
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Ii 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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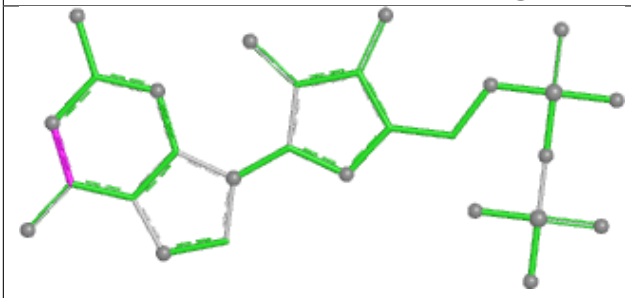
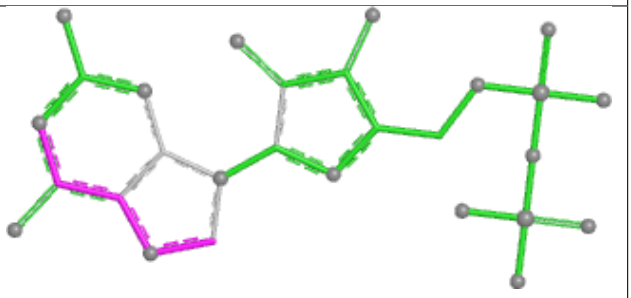
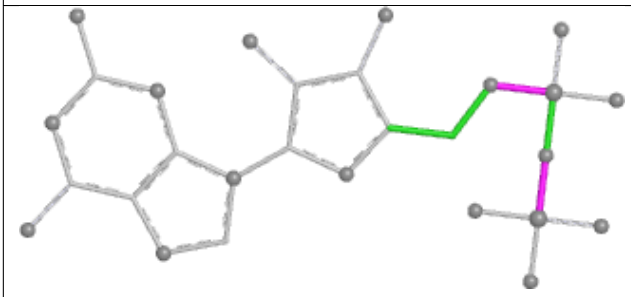
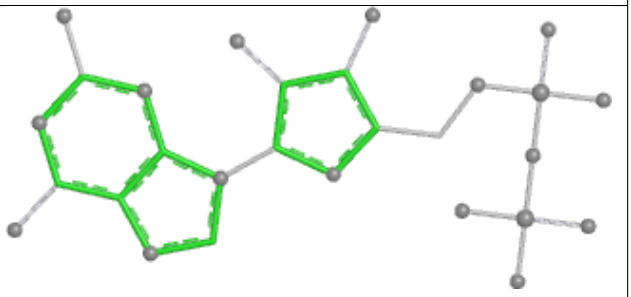
 Bond lengths	 Bond angles
 Torsions	 Rings

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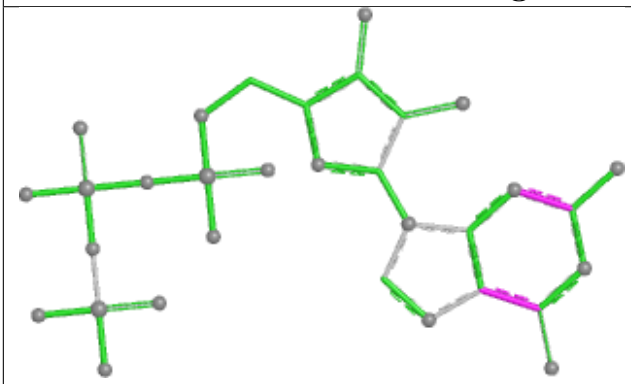
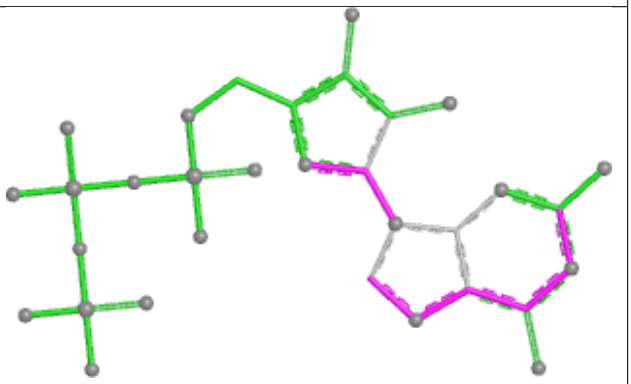
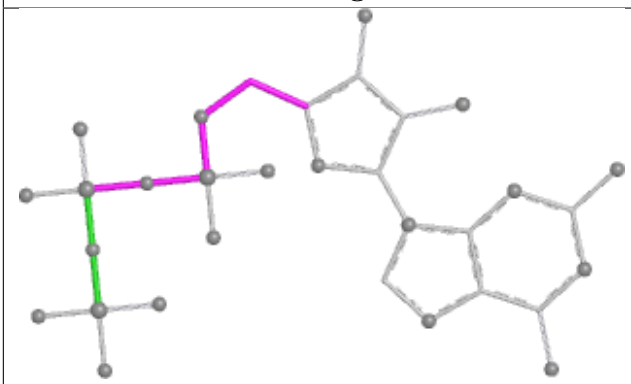
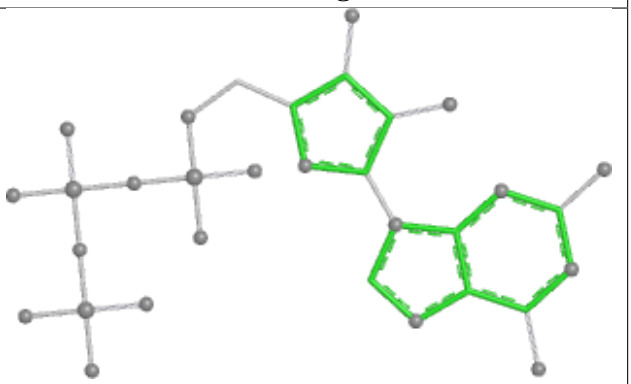
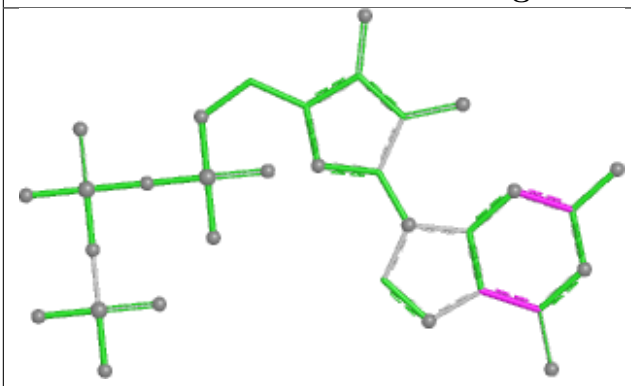
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 1H 501



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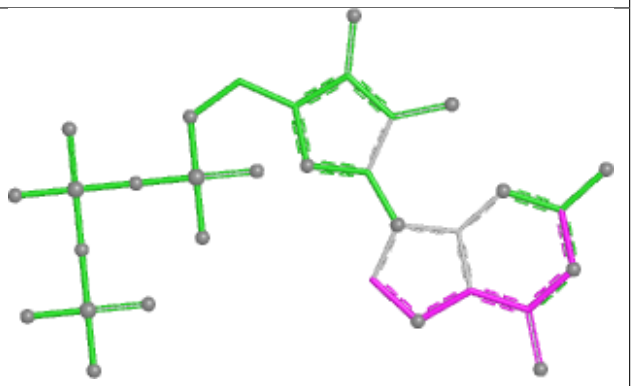

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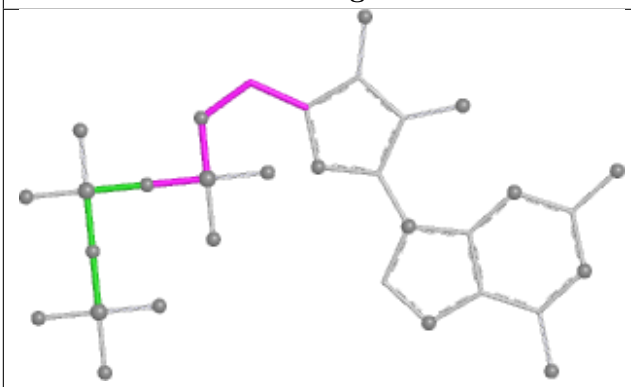

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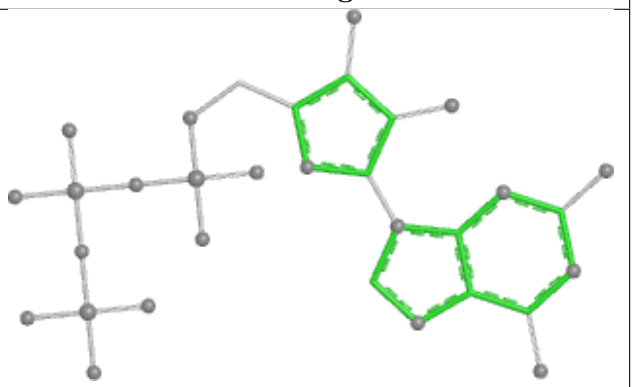
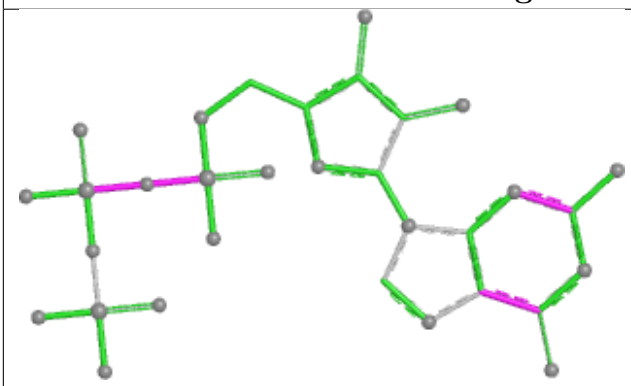


Rings

Ligand GTP Lh 501



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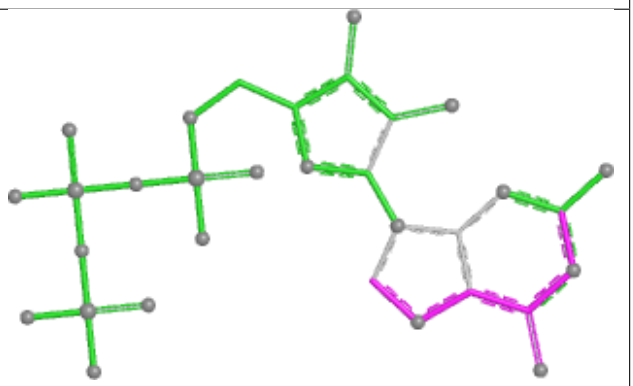

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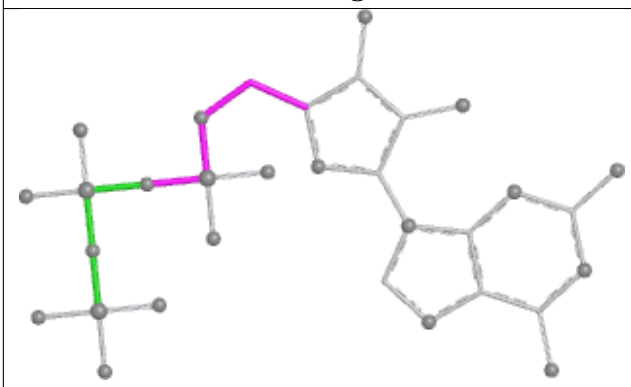

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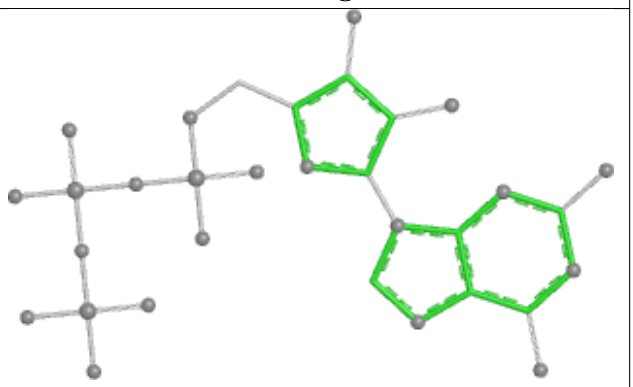
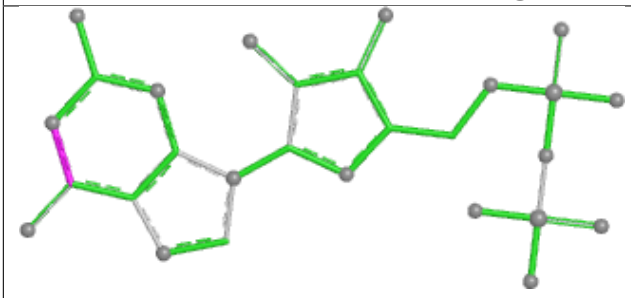
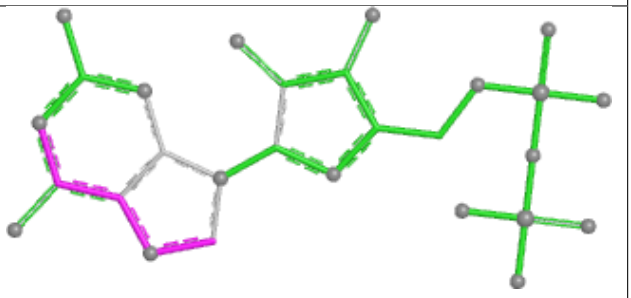
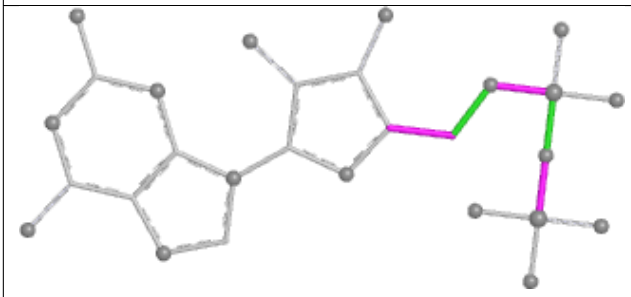
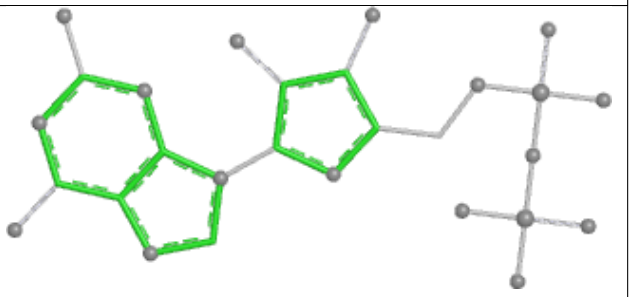


Rings

Ligand GDP H8 503	
 Bond lengths	 Bond angles
 Torsions	 Rings

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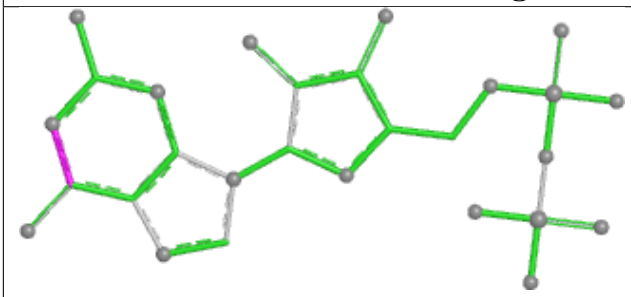
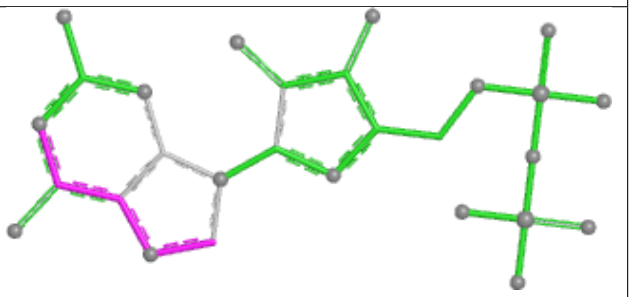
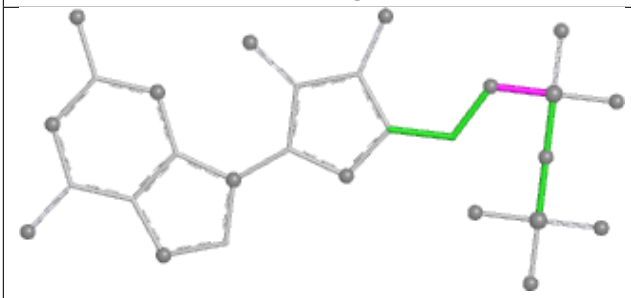
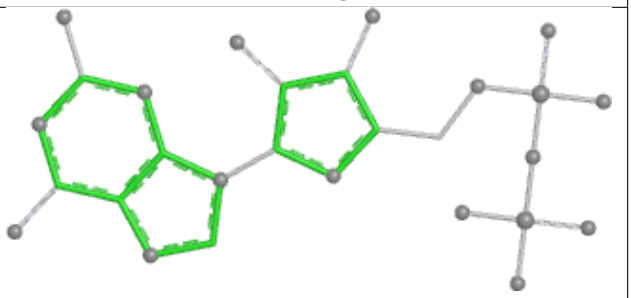
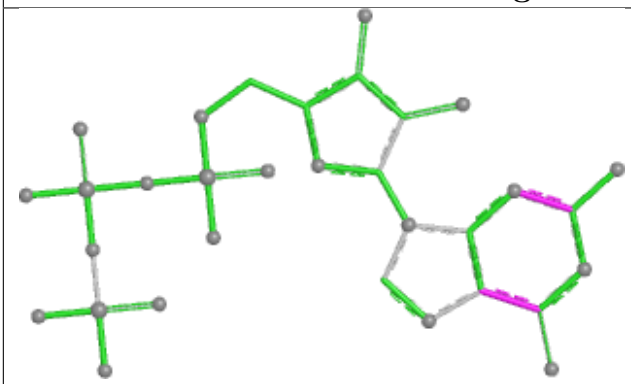
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP R6 501



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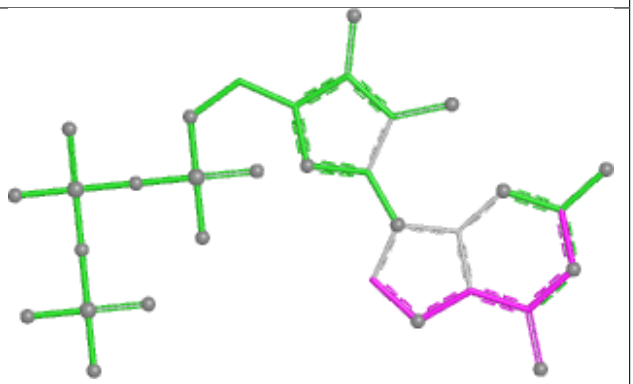
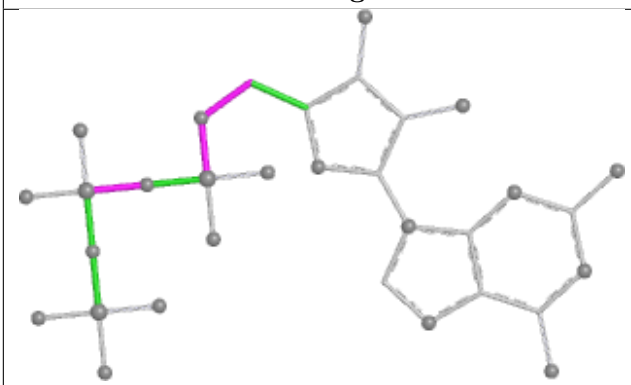
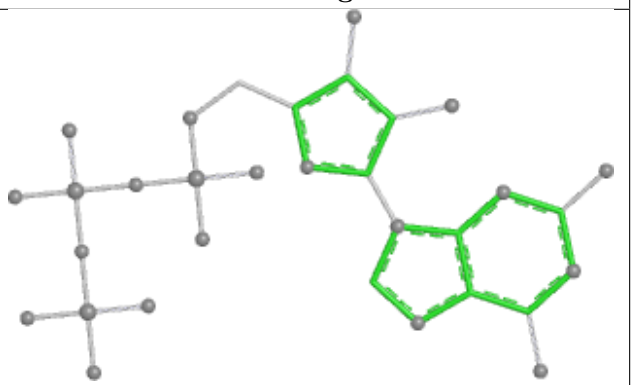


Bond angles

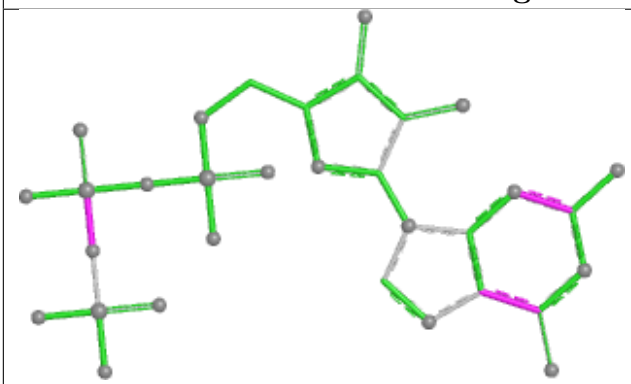


Torsions



Rings

Ligand GTP O2 501



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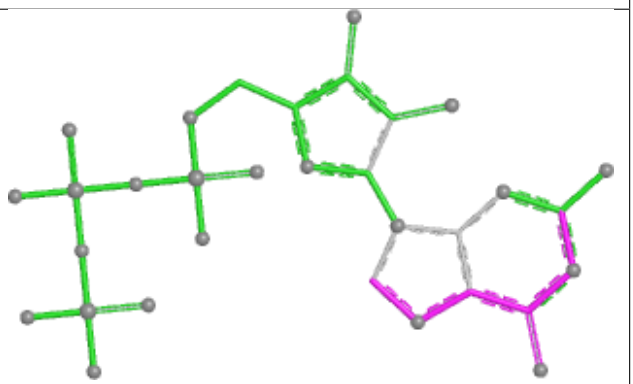

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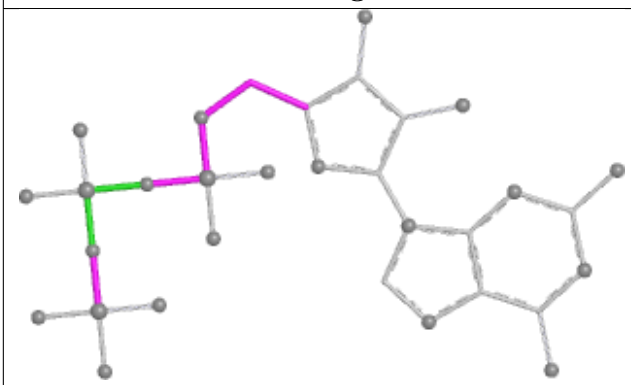

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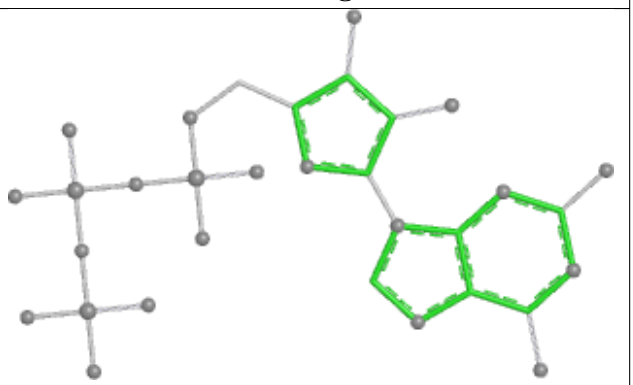
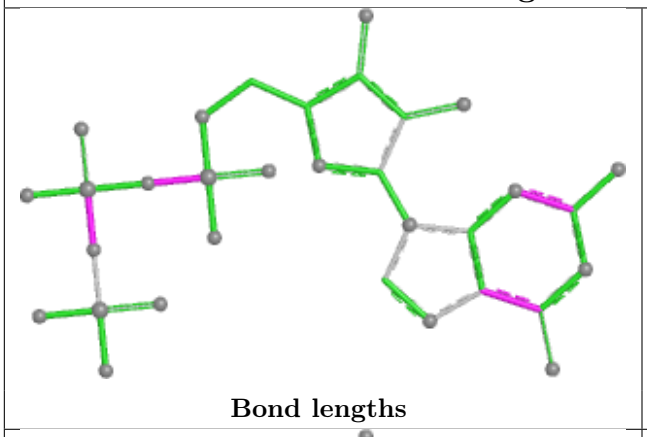


Rings

Ligand GTP Jy 501



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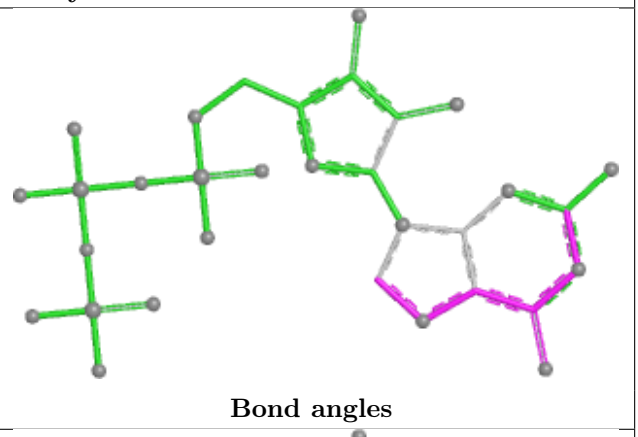
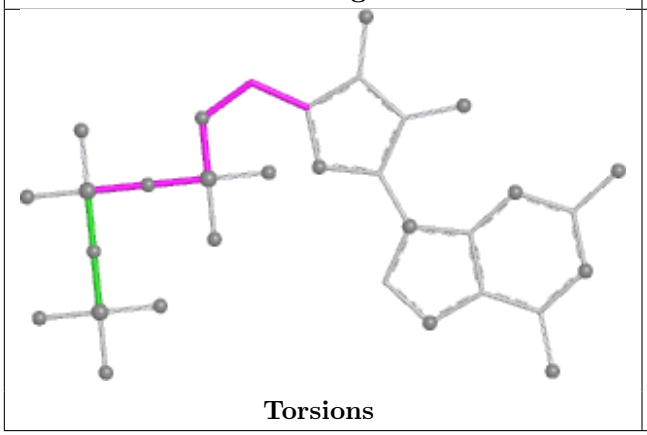


Bond angles



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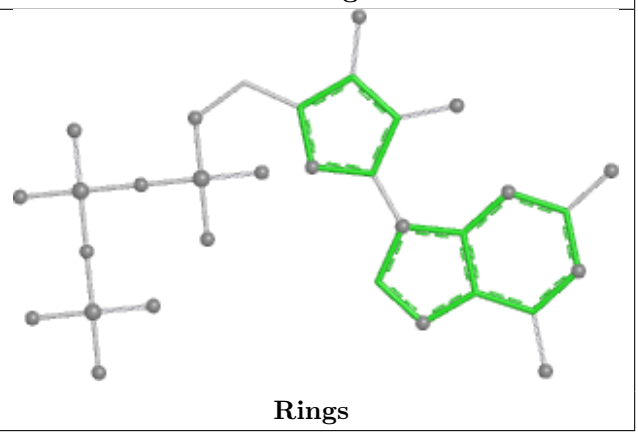
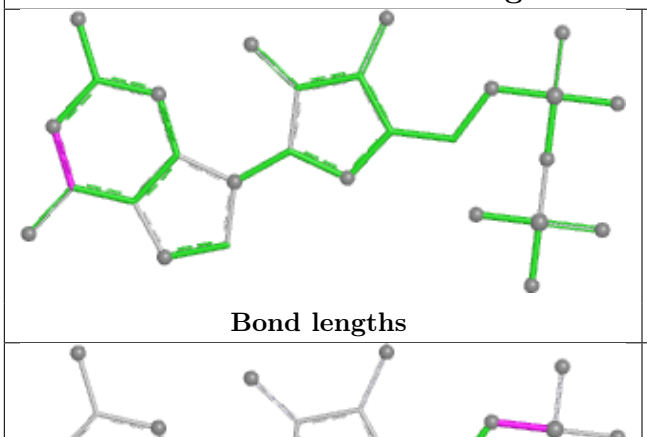


Rings

Ligand GDP EW 501



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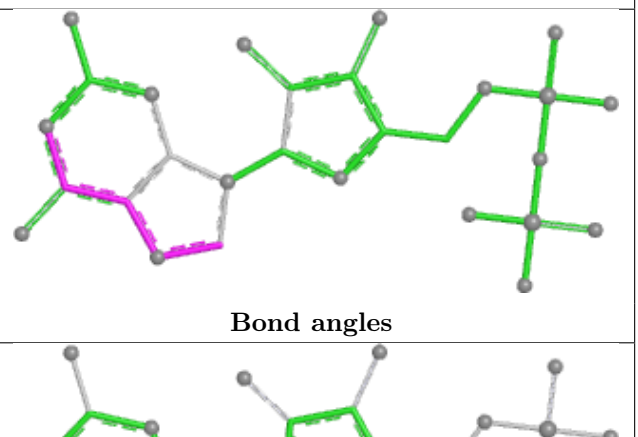

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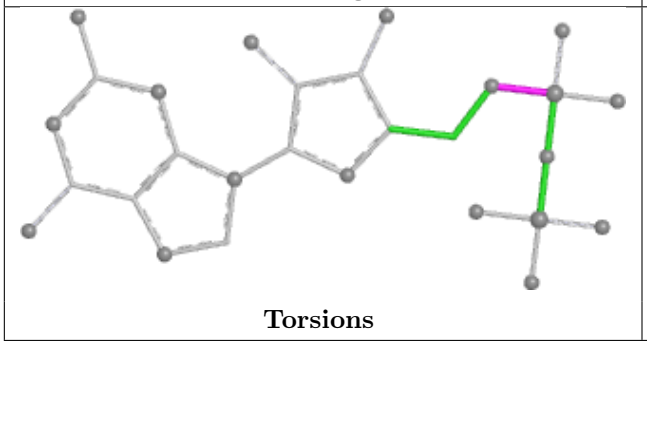
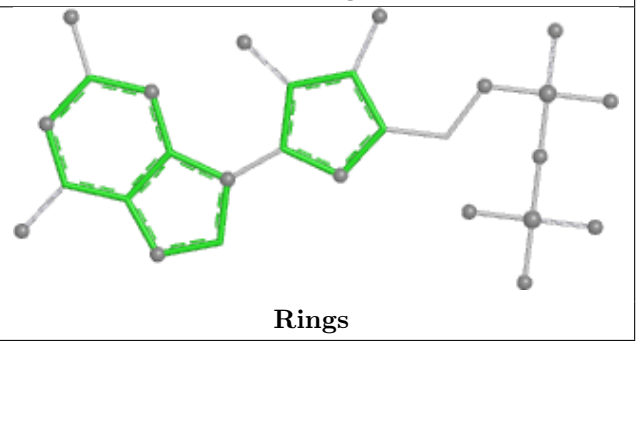
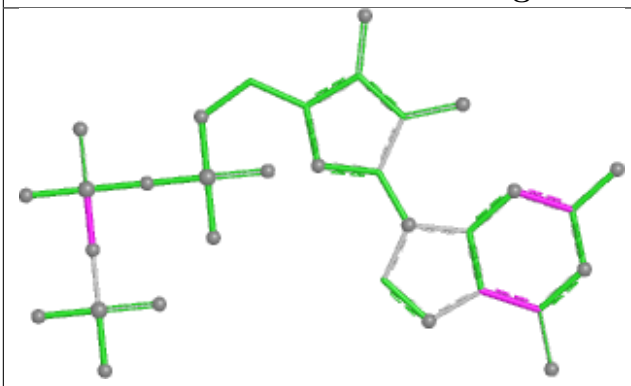


Torsions



Rings

Ligand GTP 0Y 501



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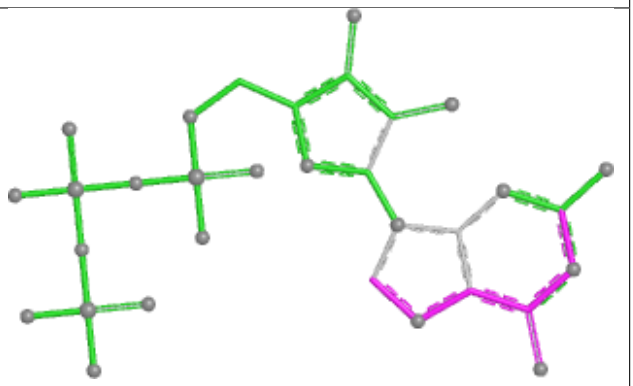

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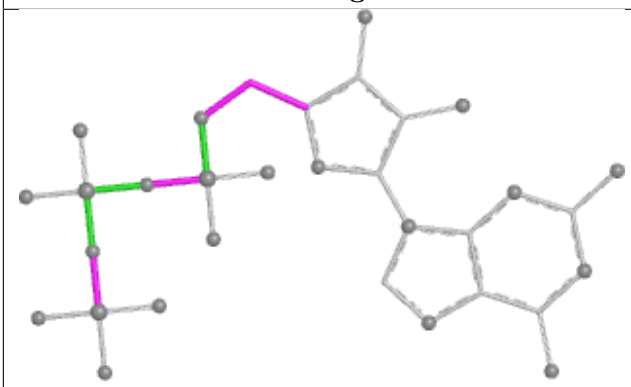

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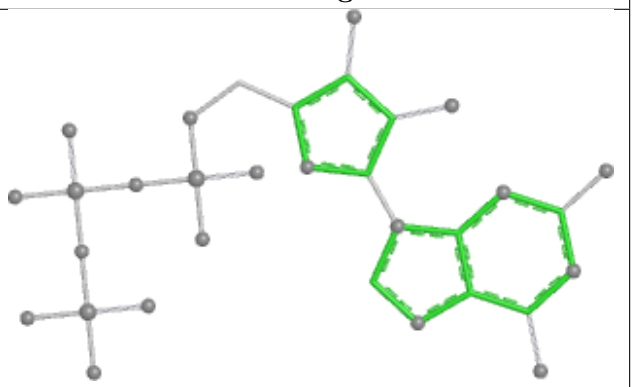
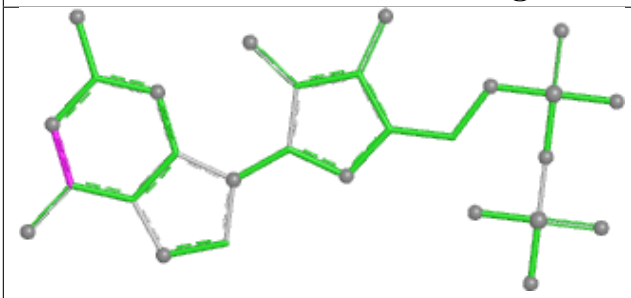


Rings

Ligand GDP 3K 502



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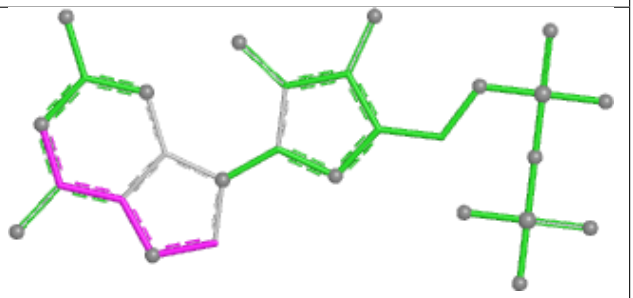

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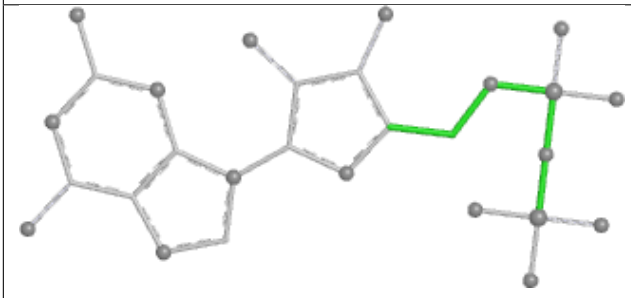

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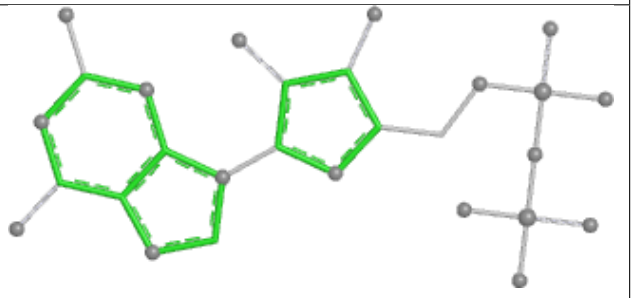
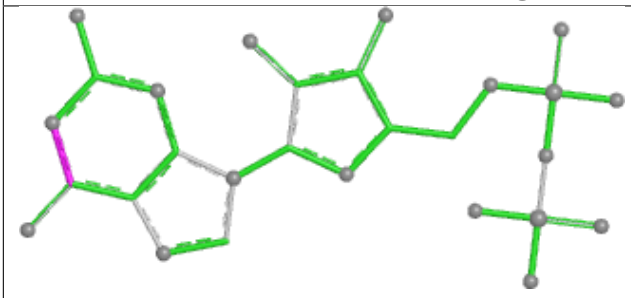
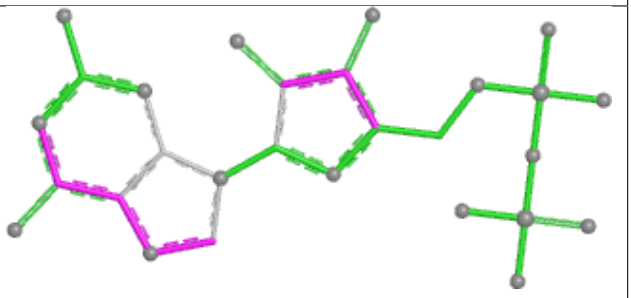
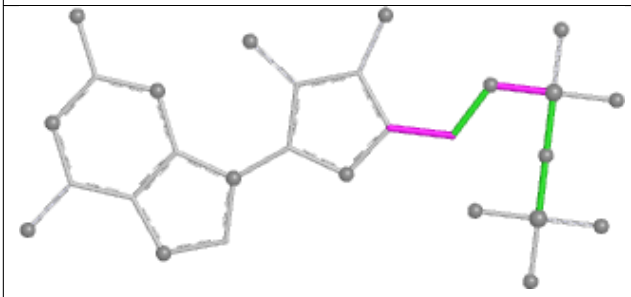
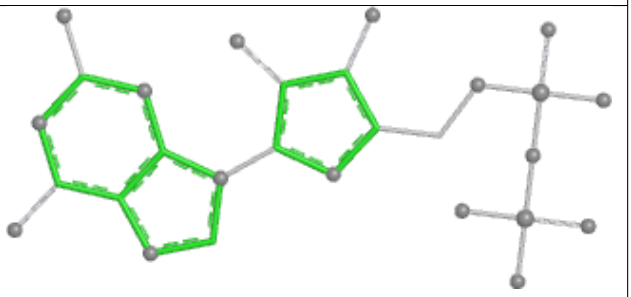


Rings

Ligand GDP Lu 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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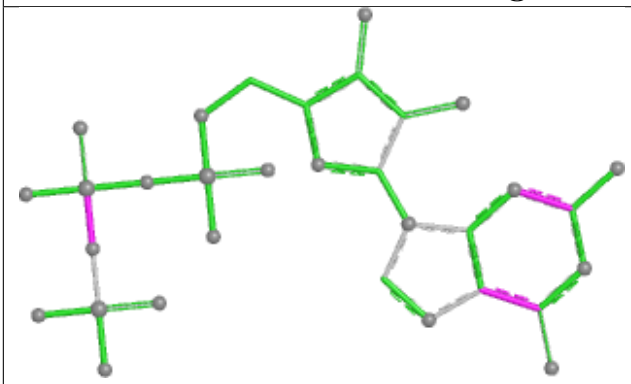
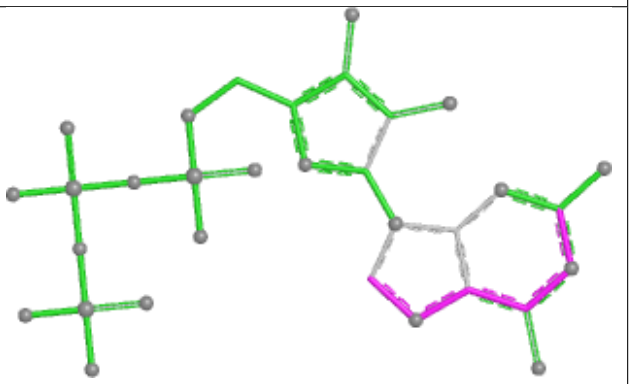
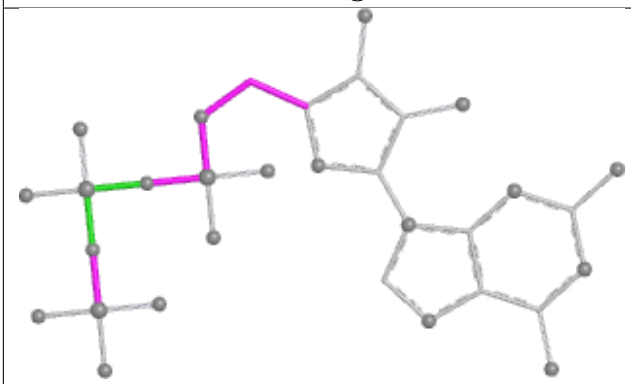
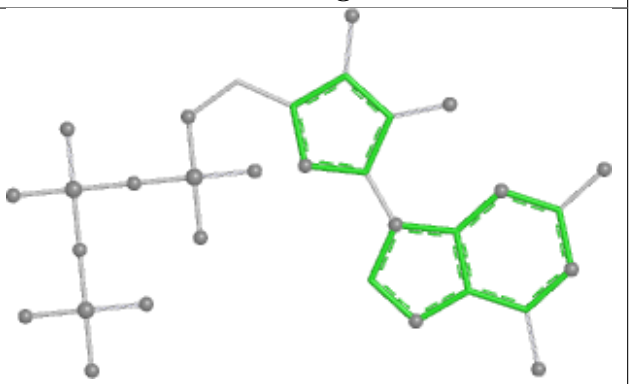
 Bond lengths	 Bond angles
 Torsions	 Rings

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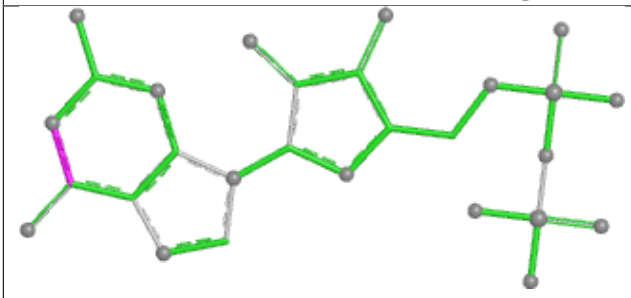
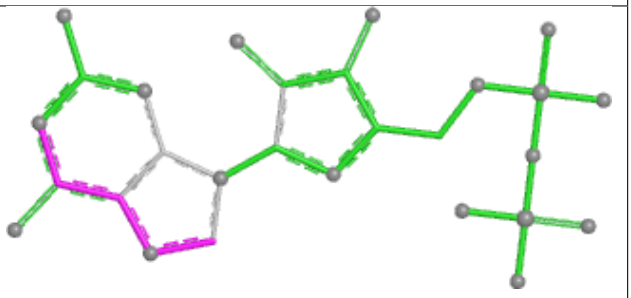
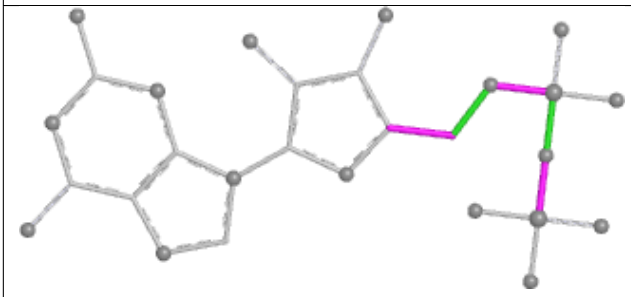
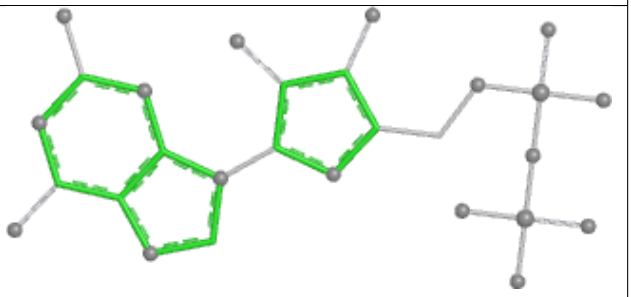
	
Bond lengths	Bond angles
	
Torsions	Rings

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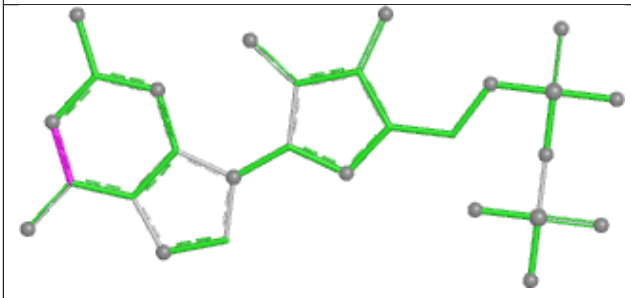	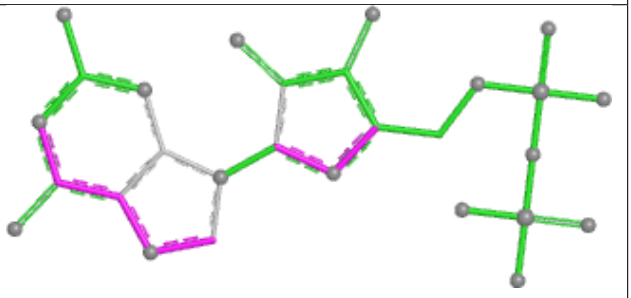
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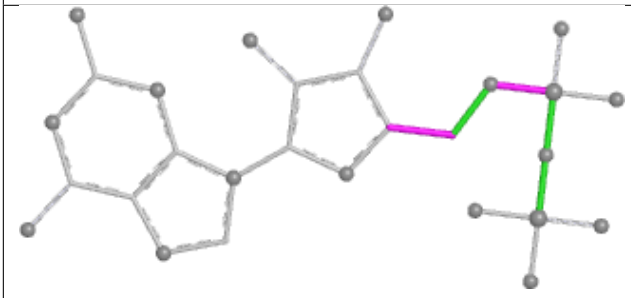
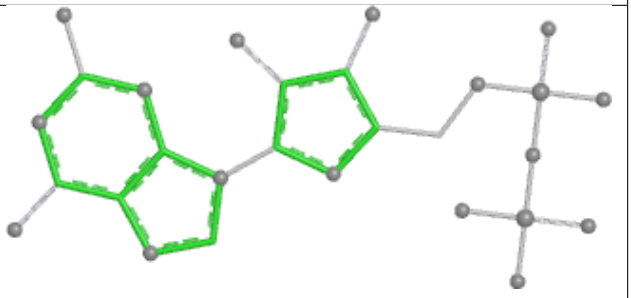
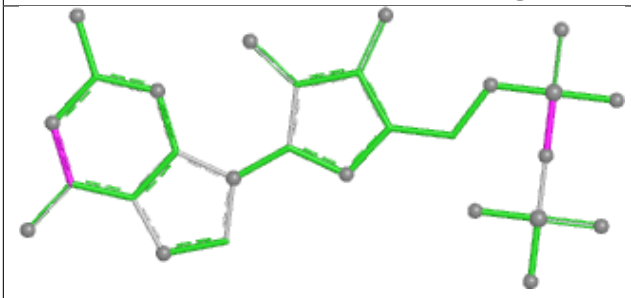
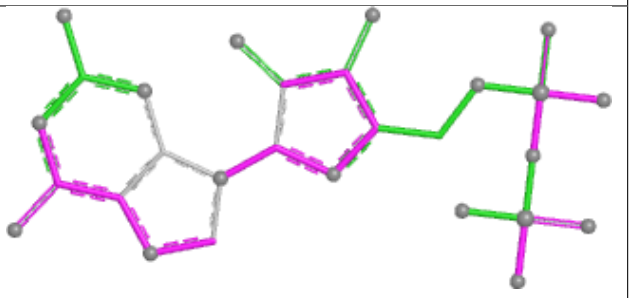
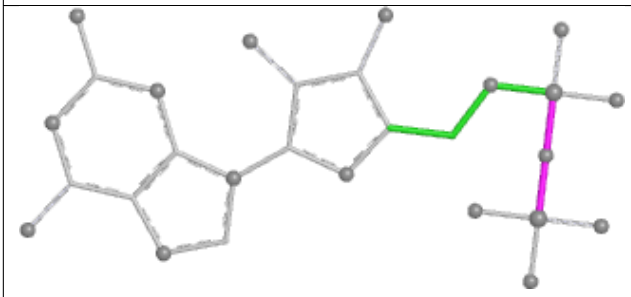
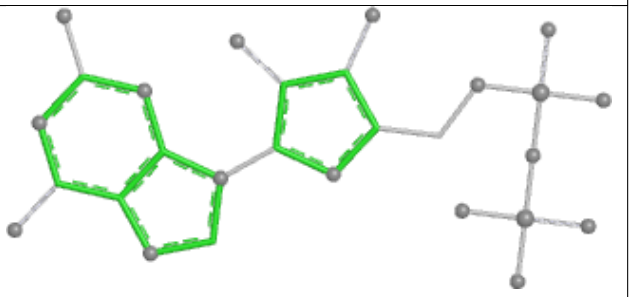
	
Torsions	Rings

Ligand GDP 0G 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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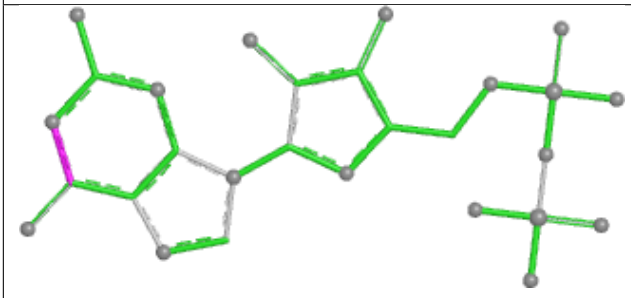
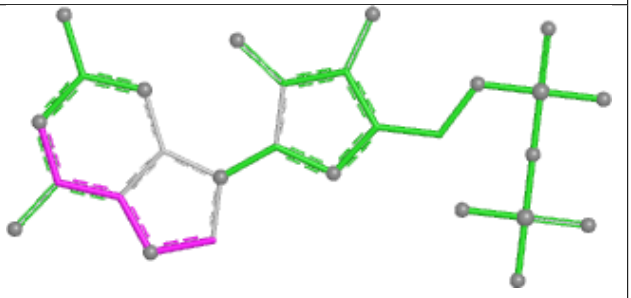
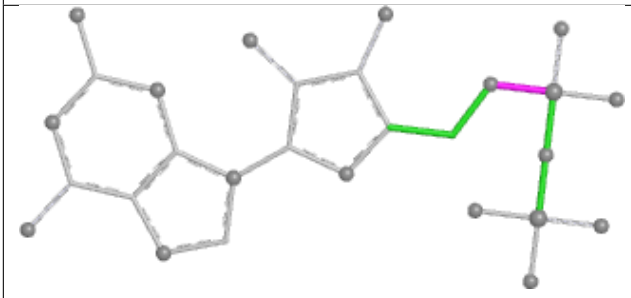
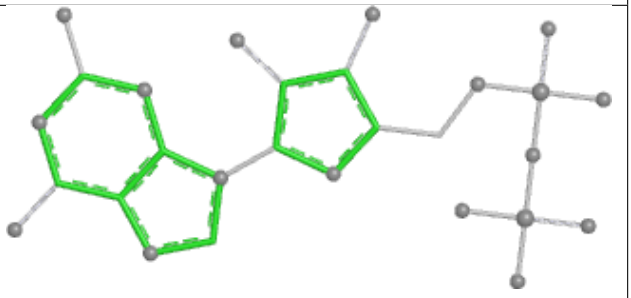
 Bond lengths	 Bond angles
 Torsions	 Rings

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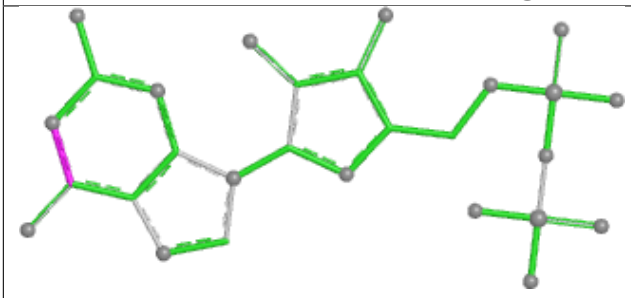
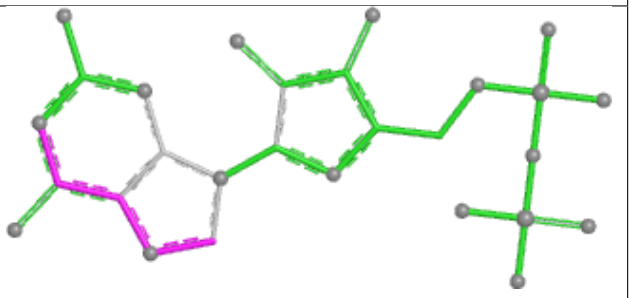
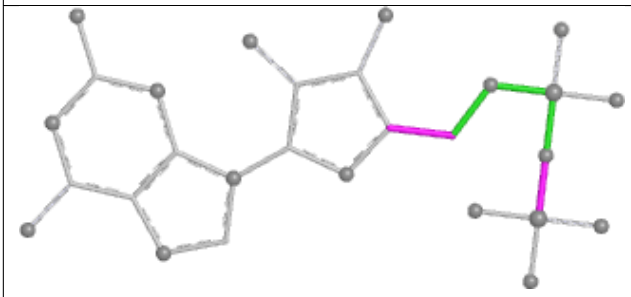
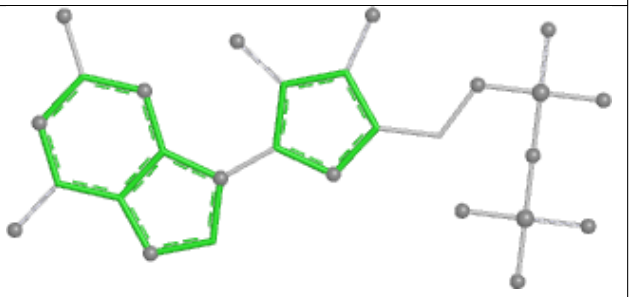
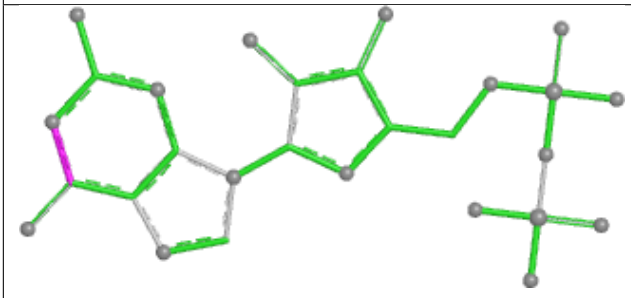
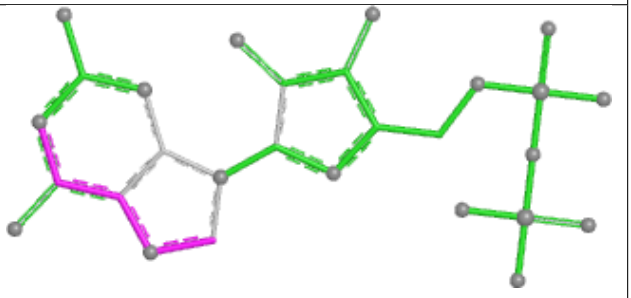
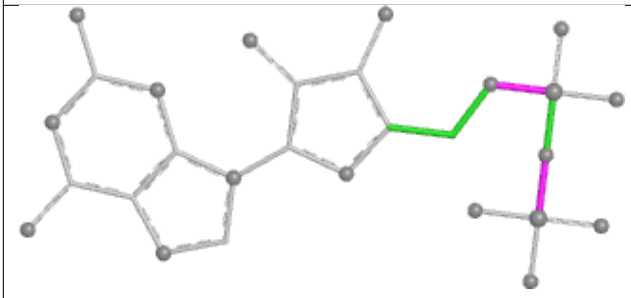
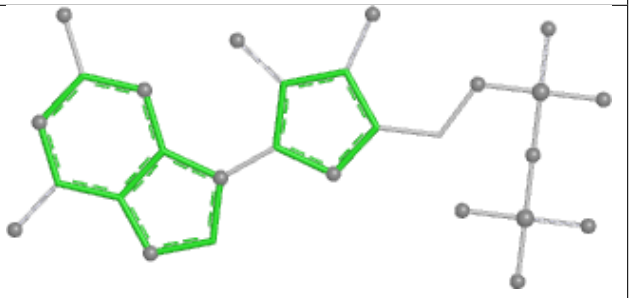
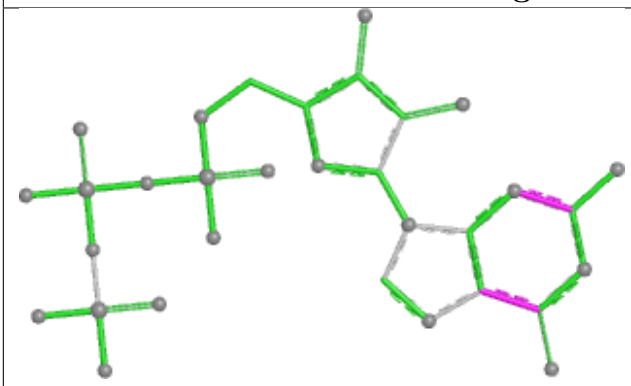
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP K6 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Y6 501



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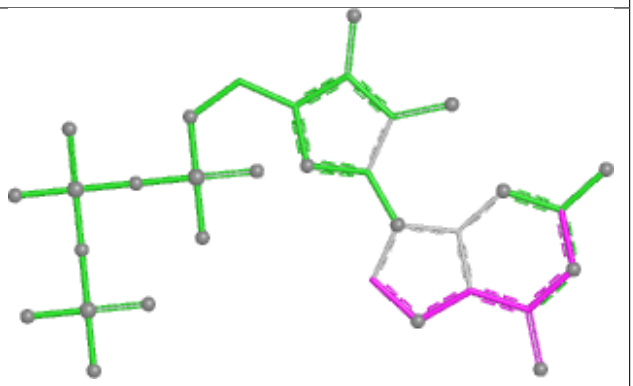

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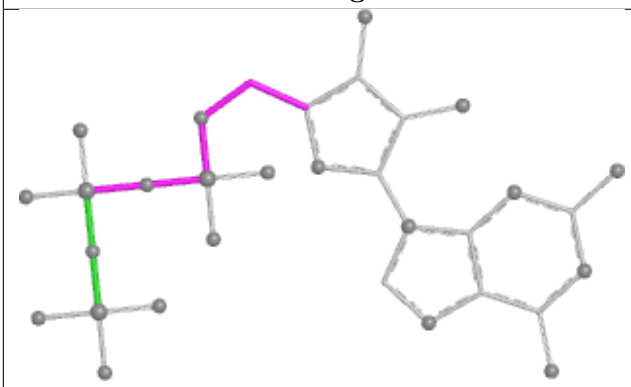
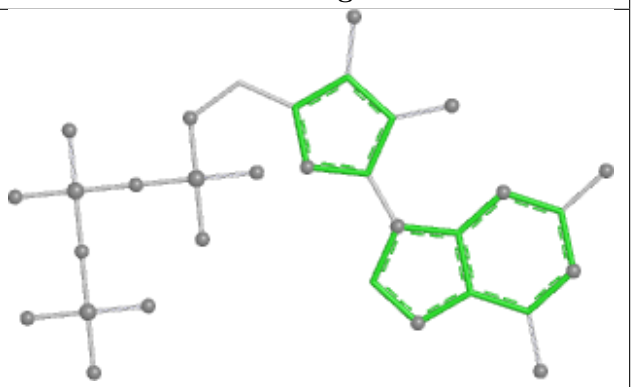
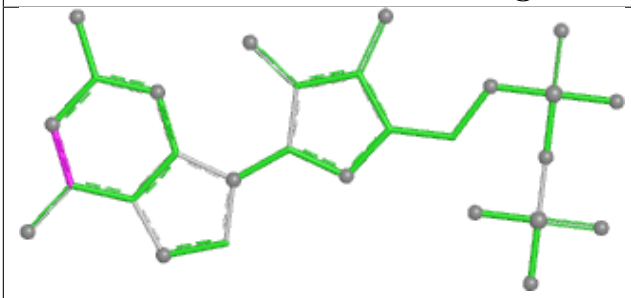


Torsions



Rings

Ligand GDP LJ 502



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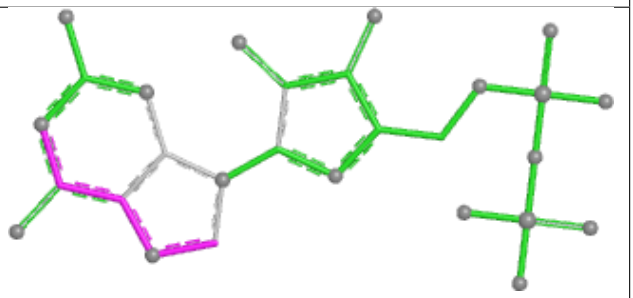

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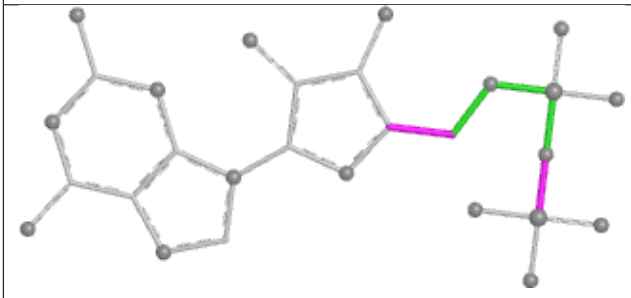

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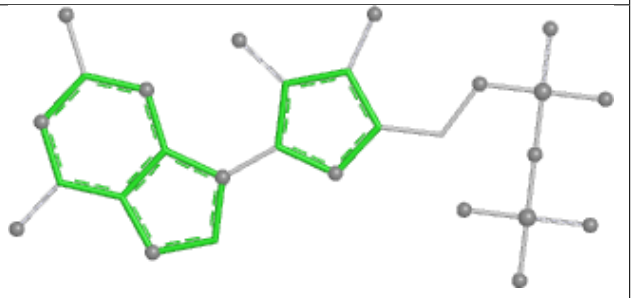
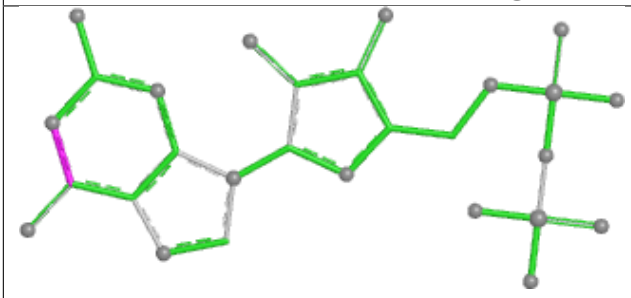
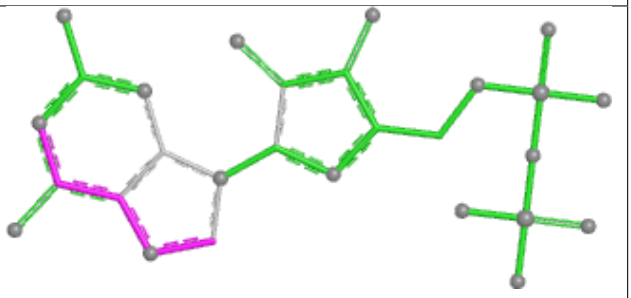
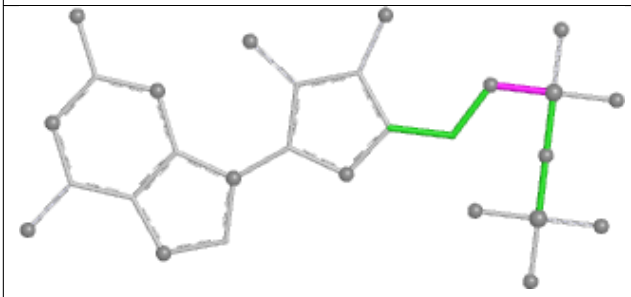
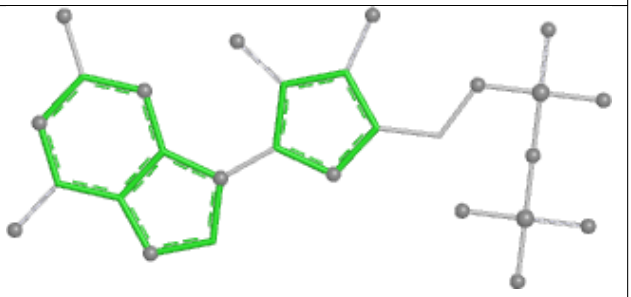
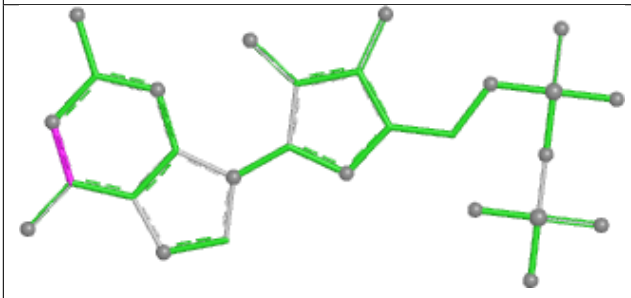
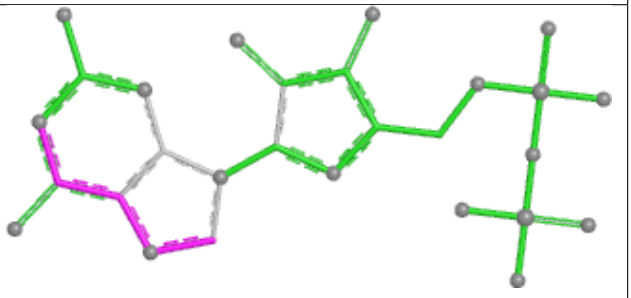
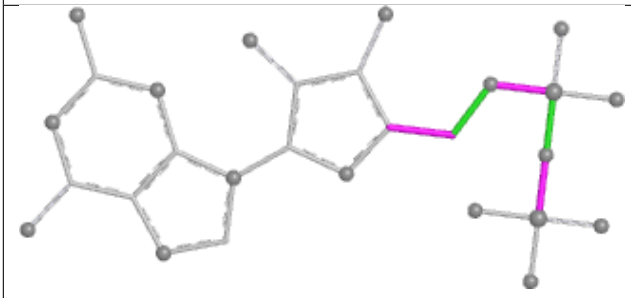
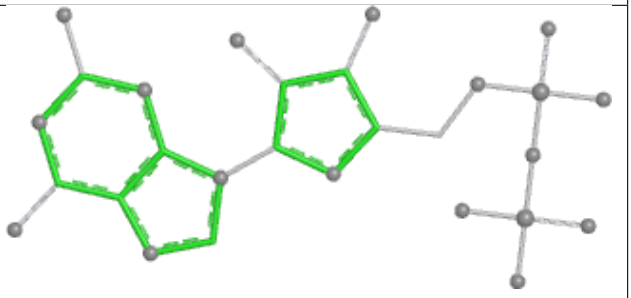


Rings

Ligand GDP 3M 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Q6 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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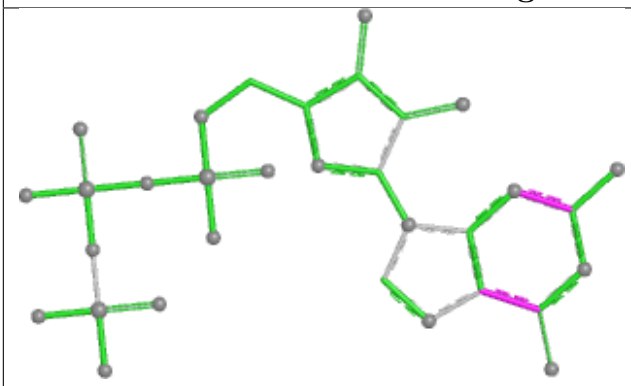

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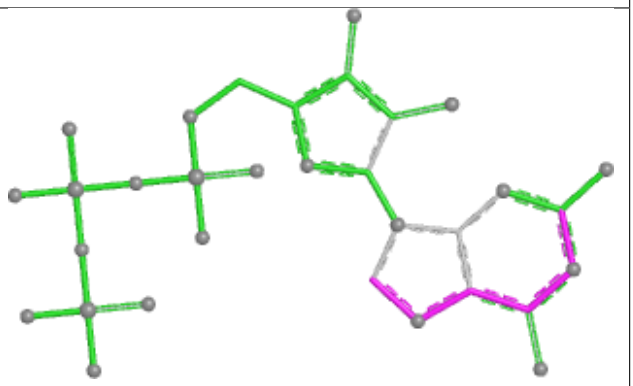

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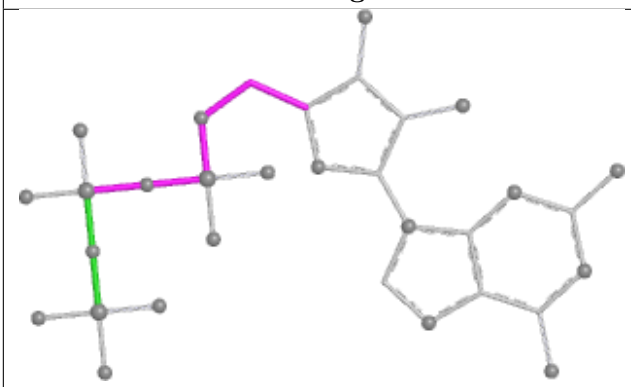

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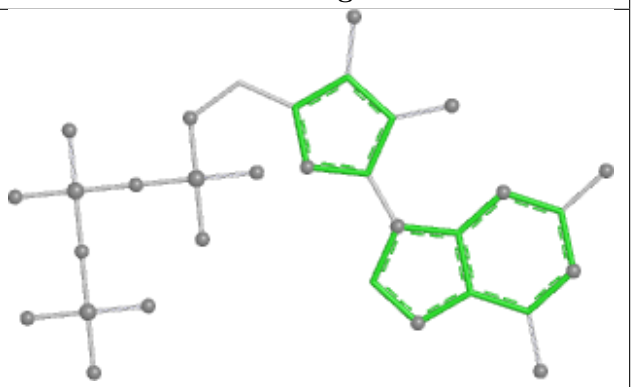

Rings

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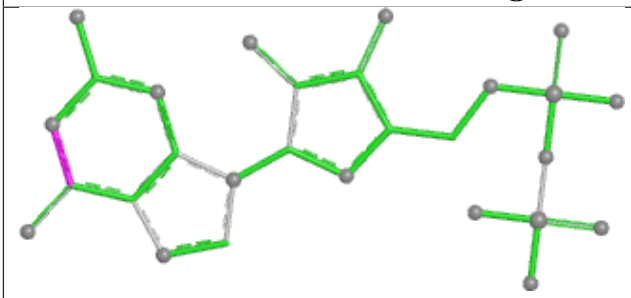

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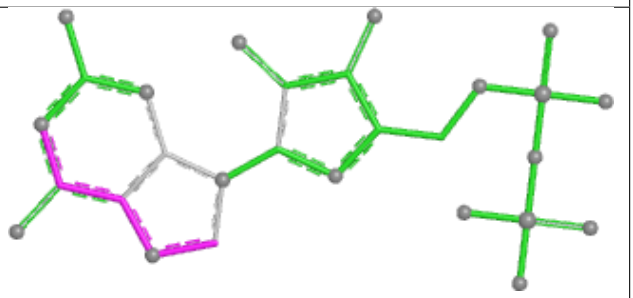

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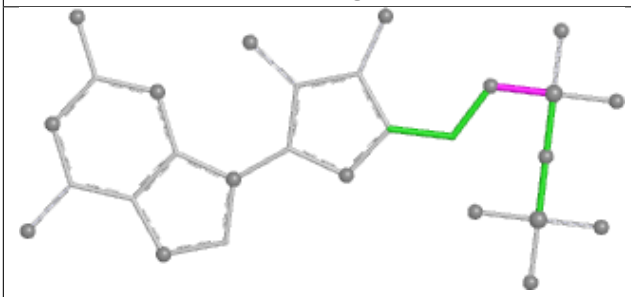

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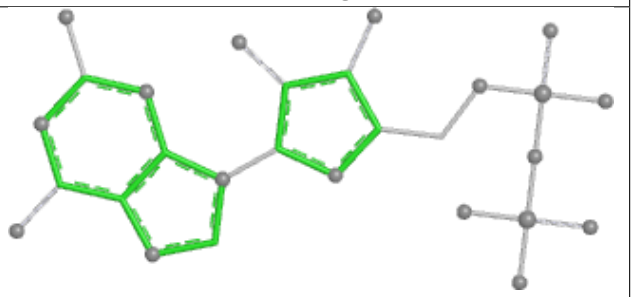

Rings

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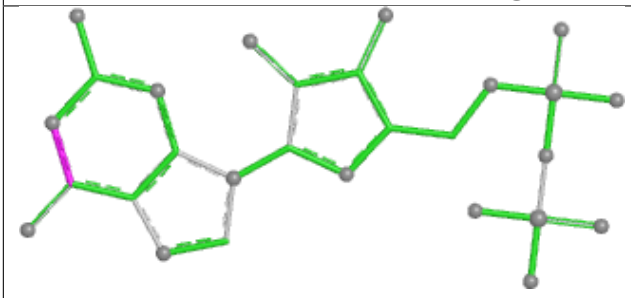

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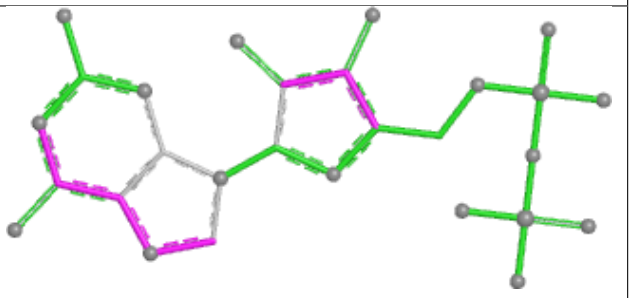

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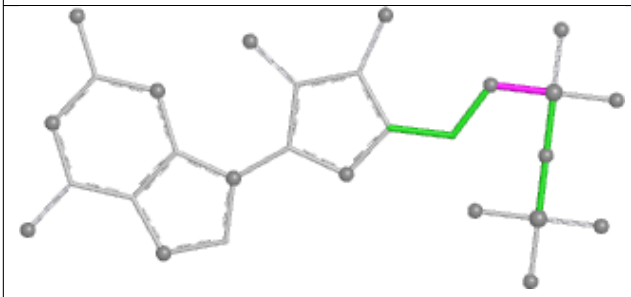

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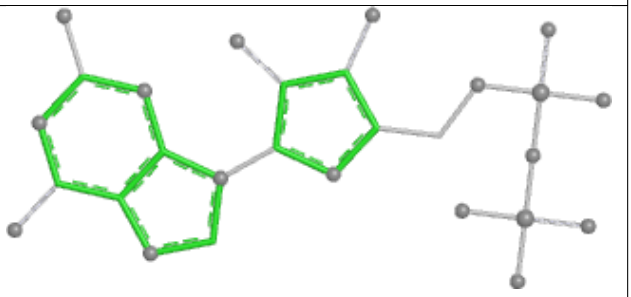

Rings

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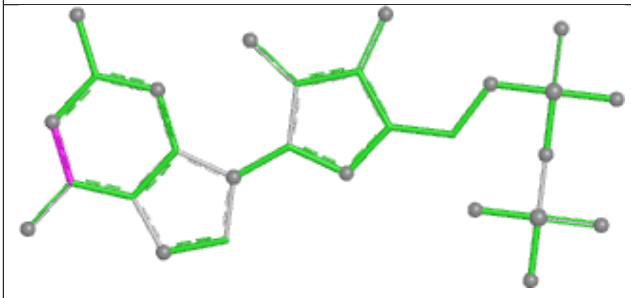

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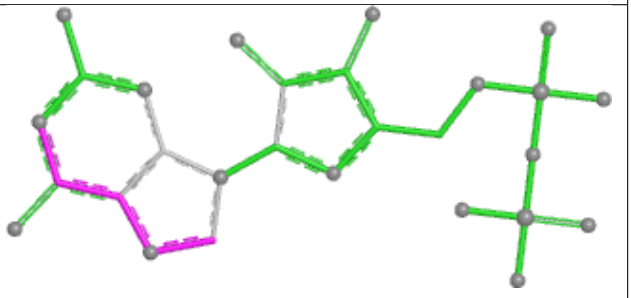

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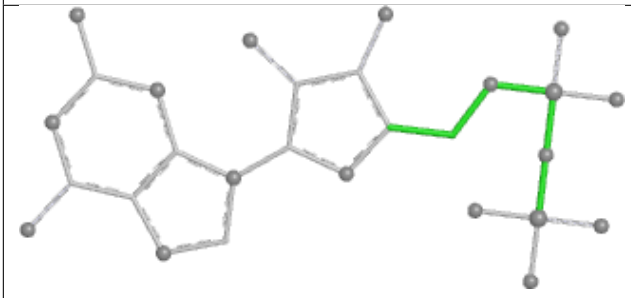

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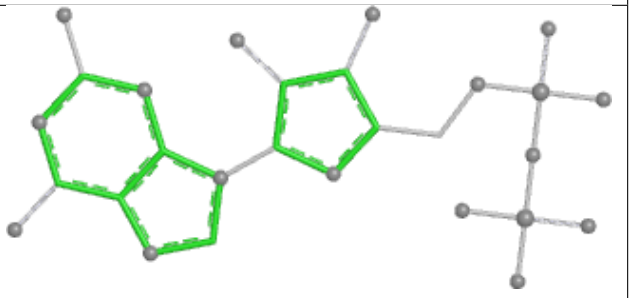

Rings

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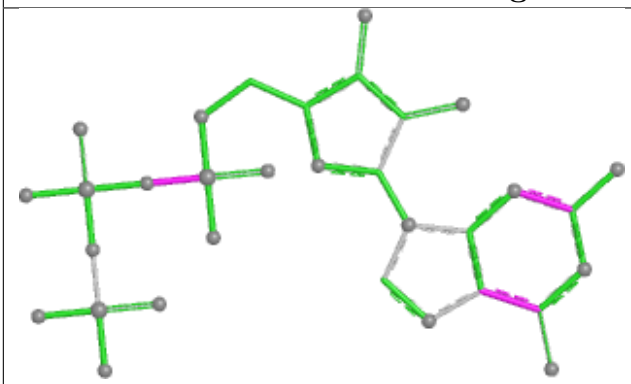

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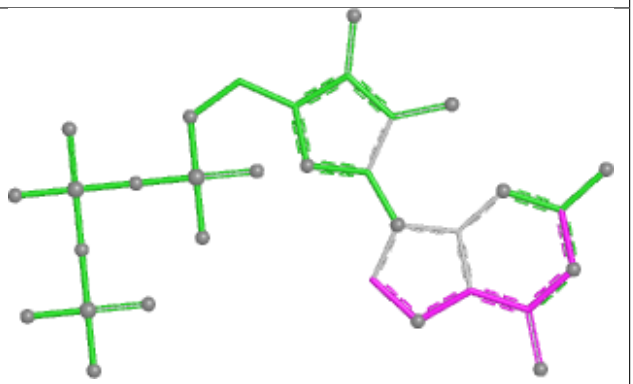

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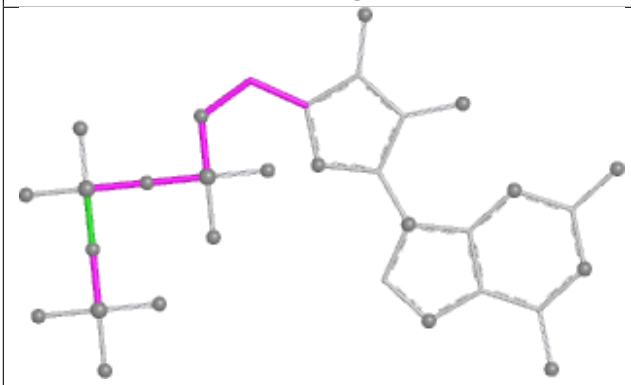

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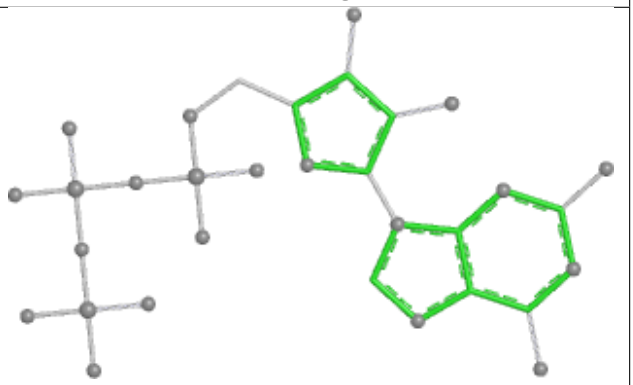
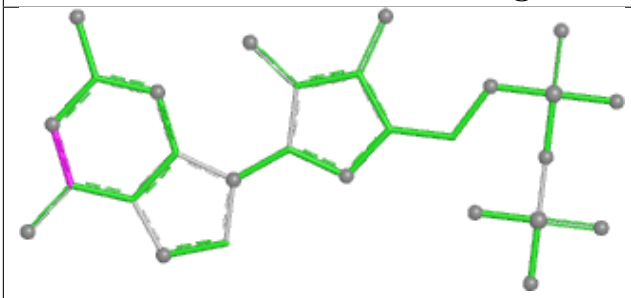


Rings

Ligand GDP T0 501



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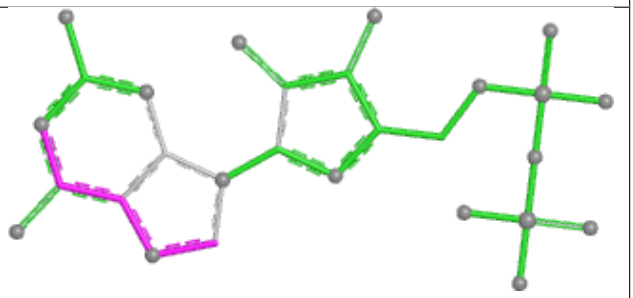

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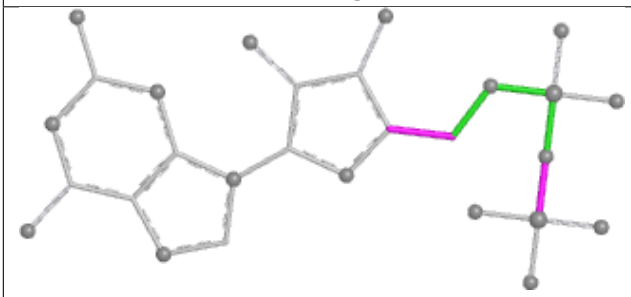

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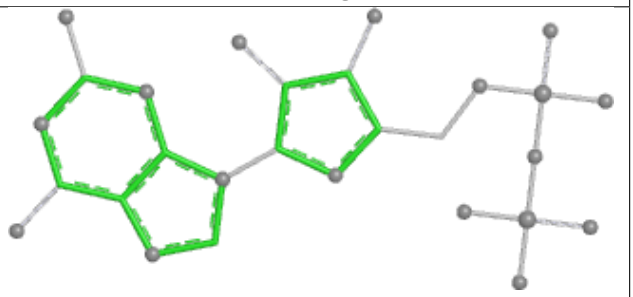

Rings

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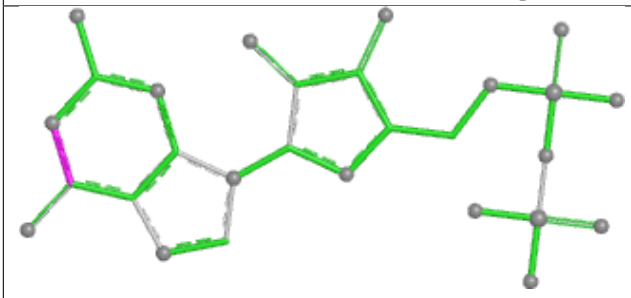
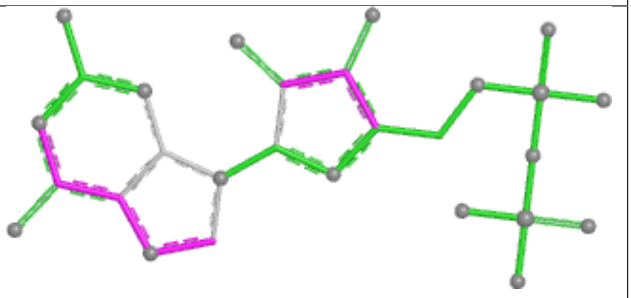
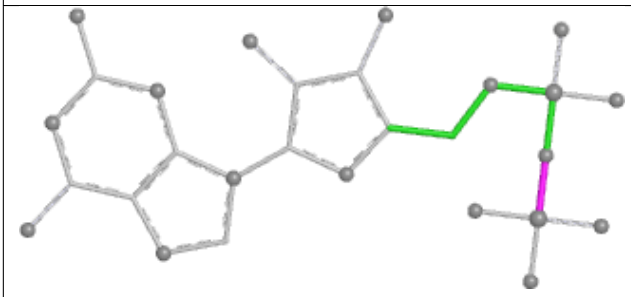
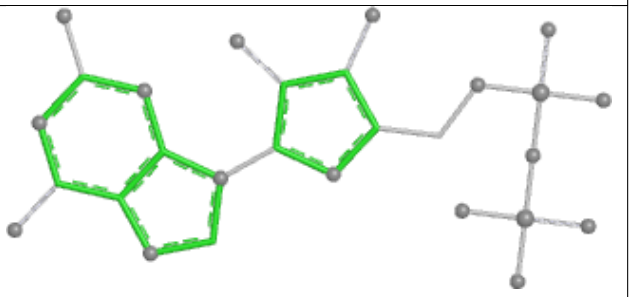
 Bond lengths	 Bond angles
 Torsions	 Rings

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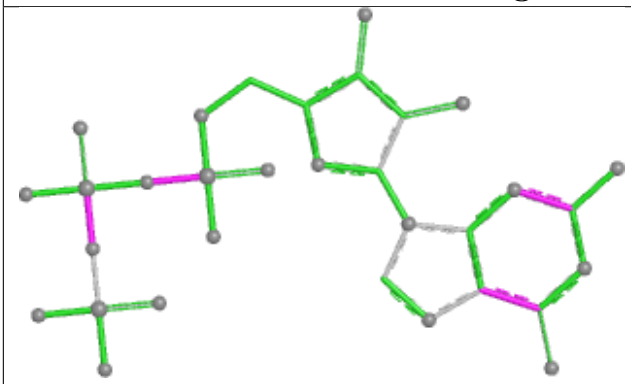
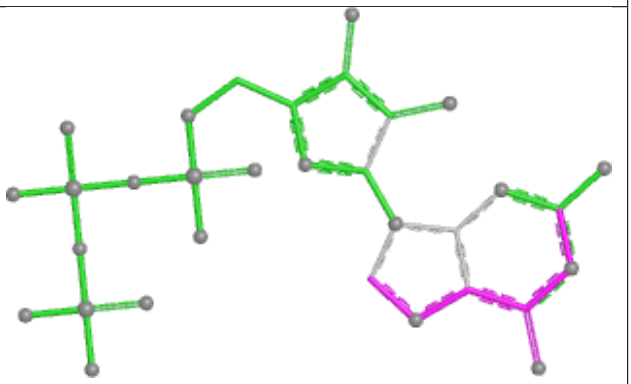
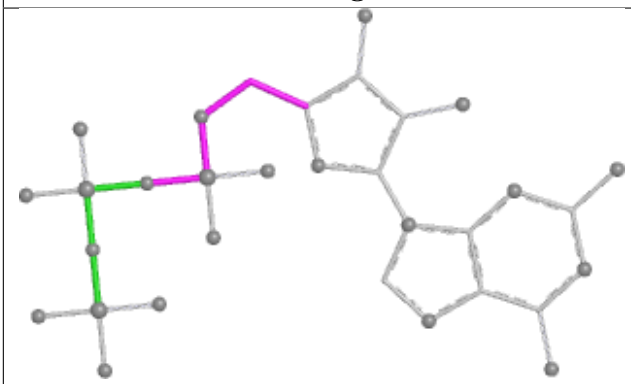
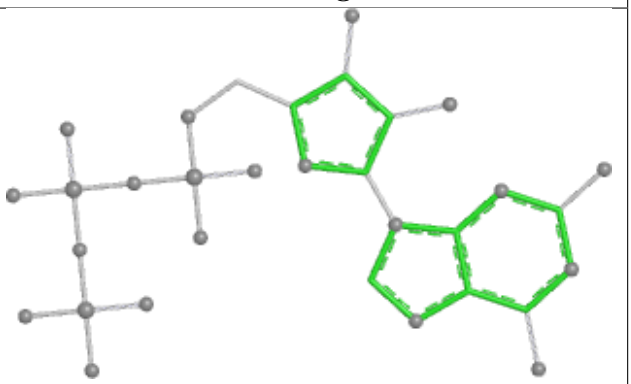
 Bond lengths	 Bond angles
 Torsions	 Rings

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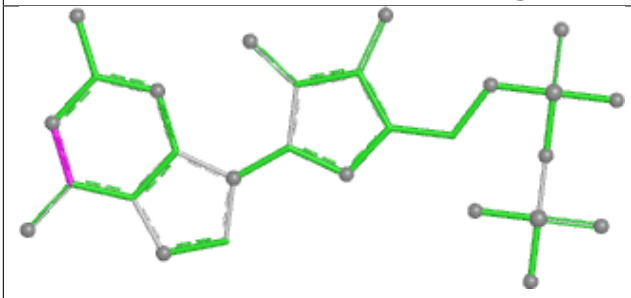

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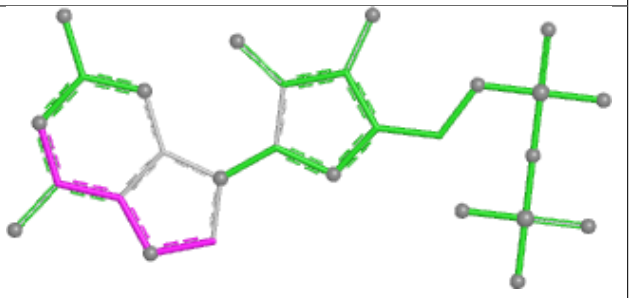

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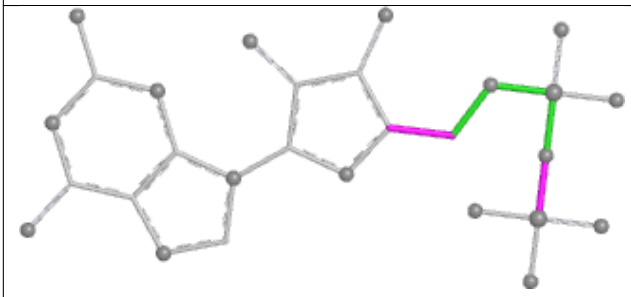

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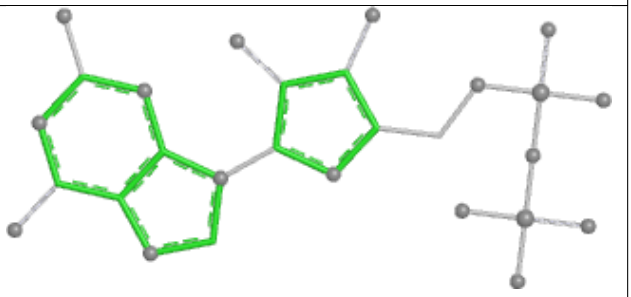
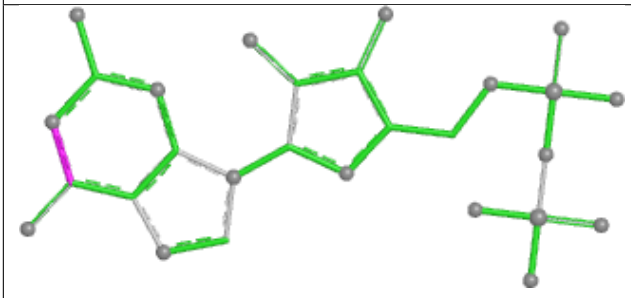


Rings

Ligand GDP NH 502



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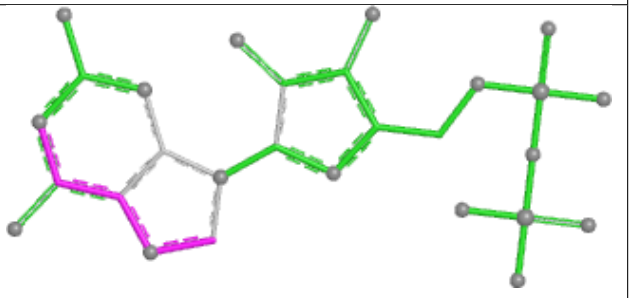

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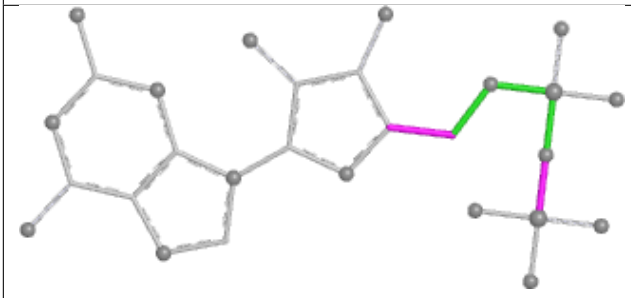

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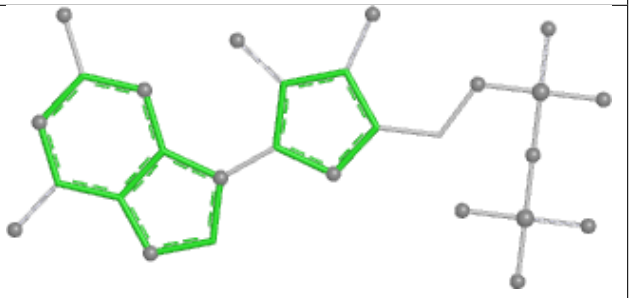

Rings

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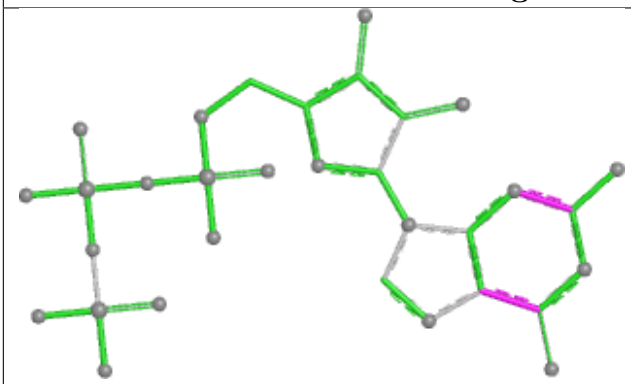

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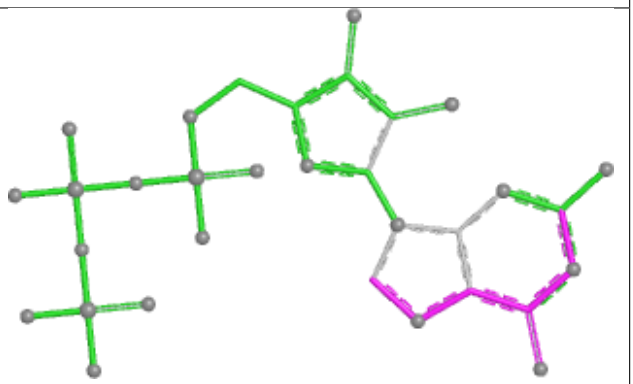

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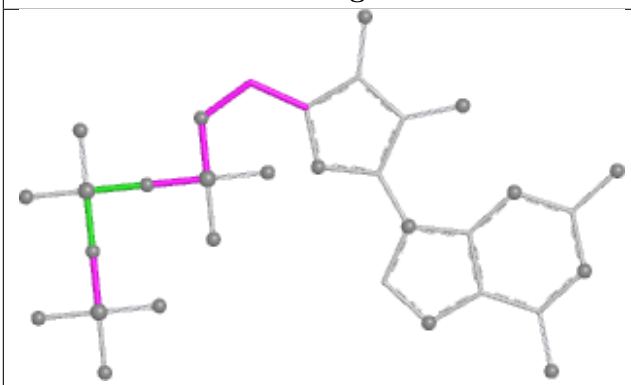

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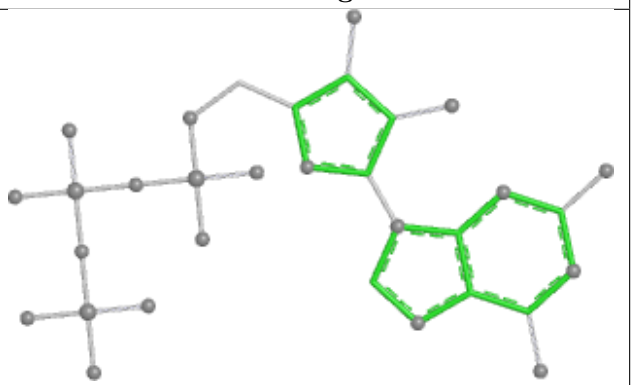
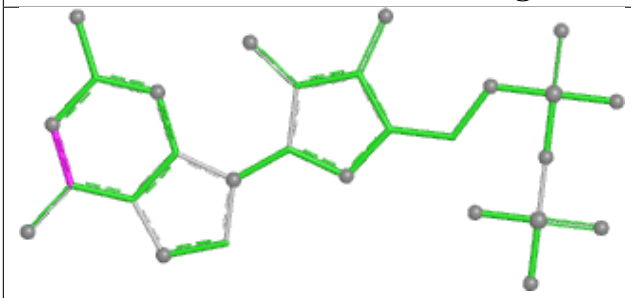


Rings

Ligand GDP IY 501



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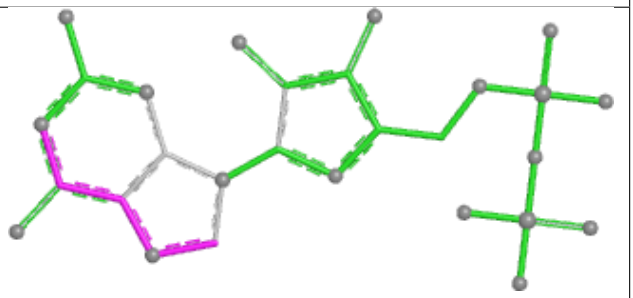

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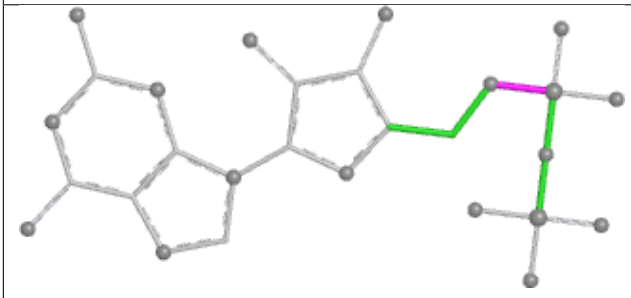

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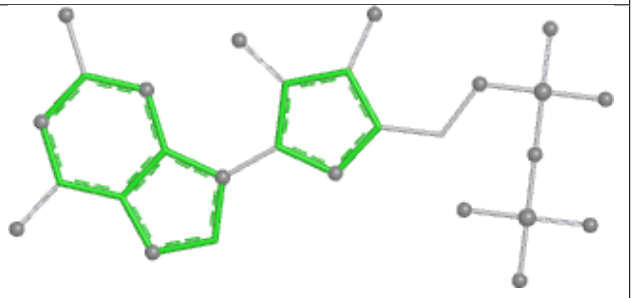

Rings

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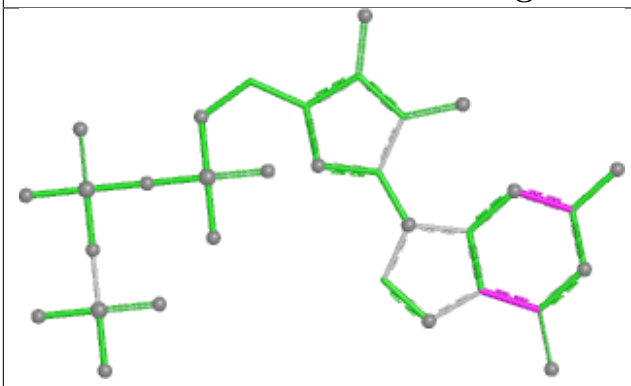

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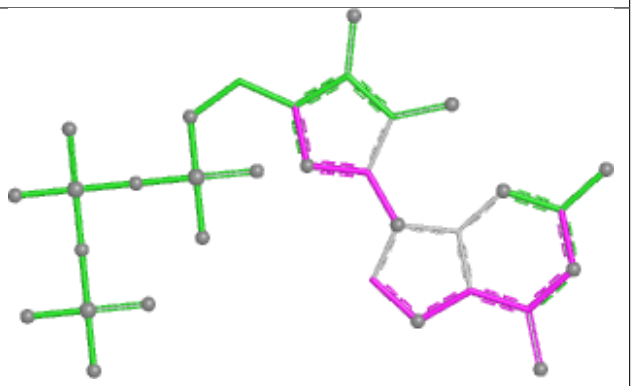
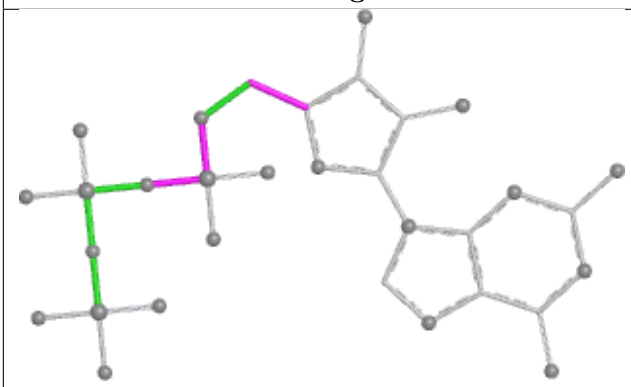
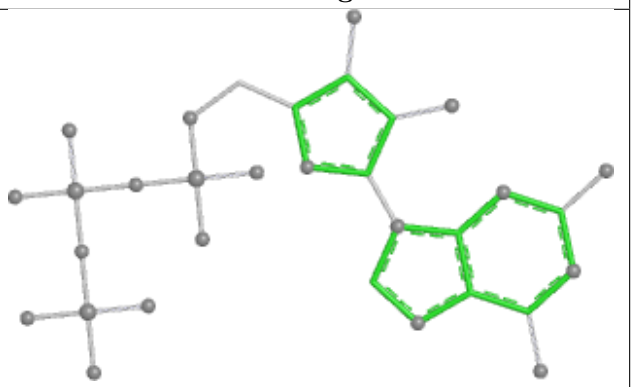


Bond angles

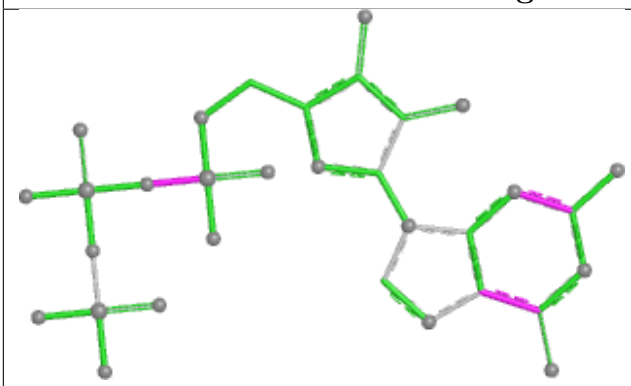


Torsions



Rings

Ligand GTP Jh 501



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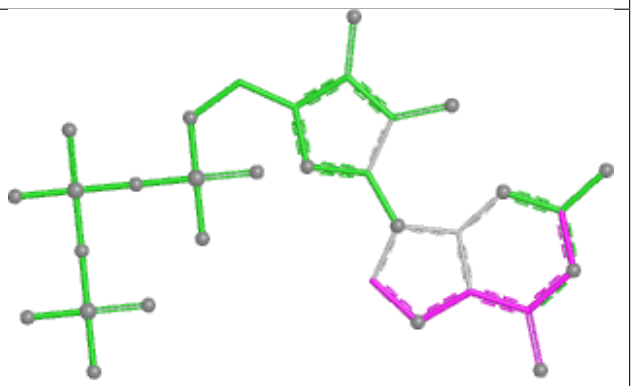

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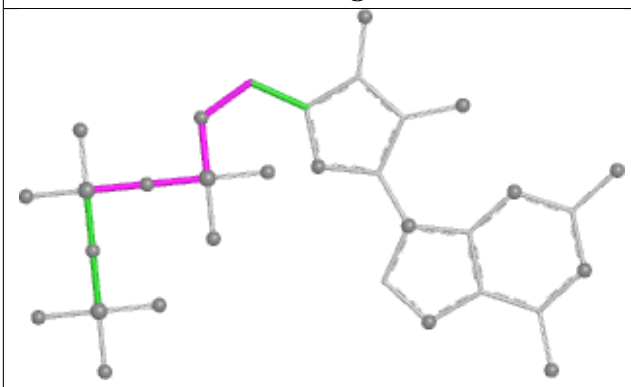

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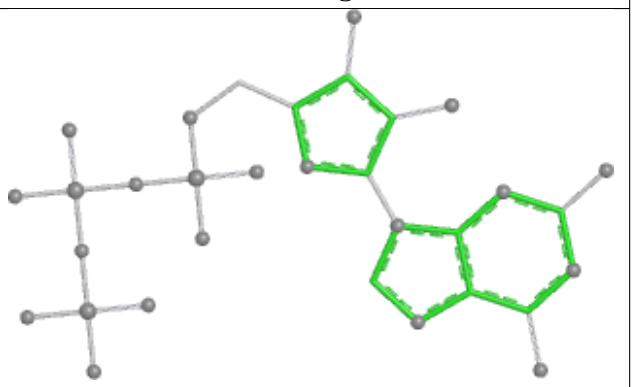
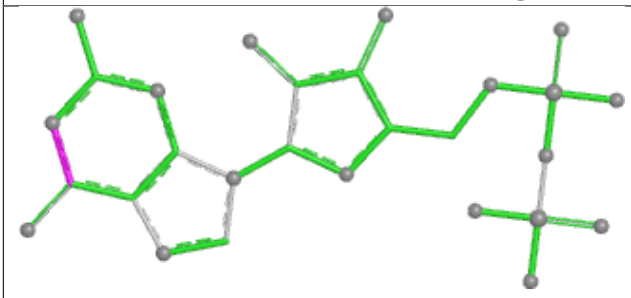
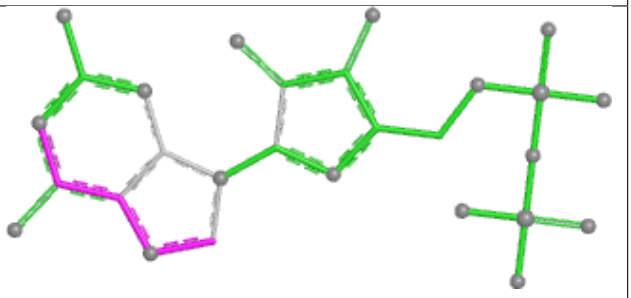
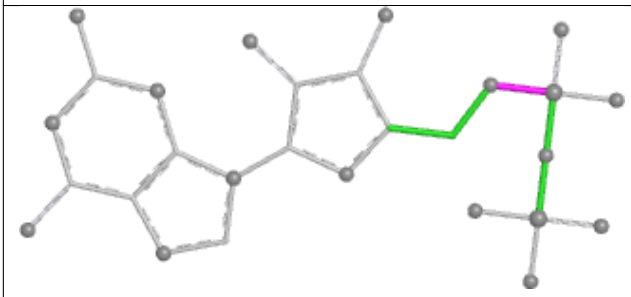
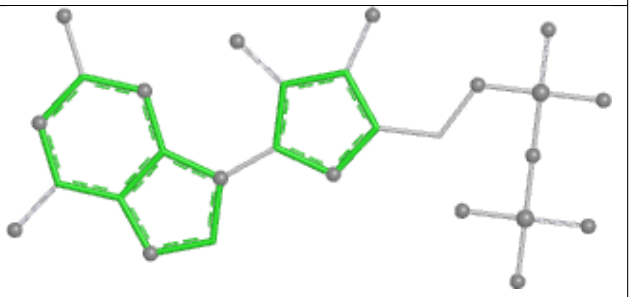


Rings

Ligand GDP Cx 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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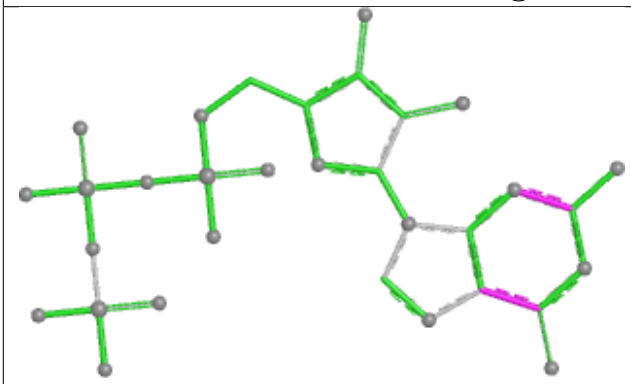
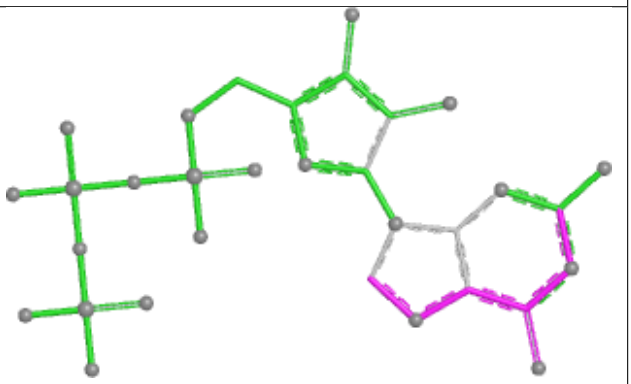
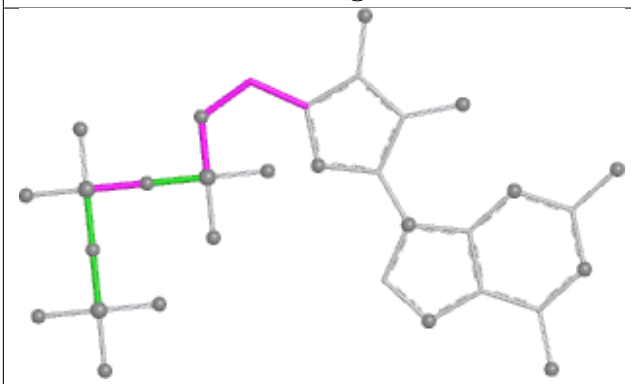
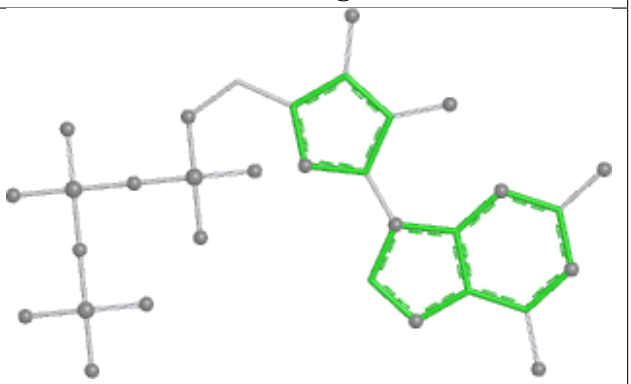
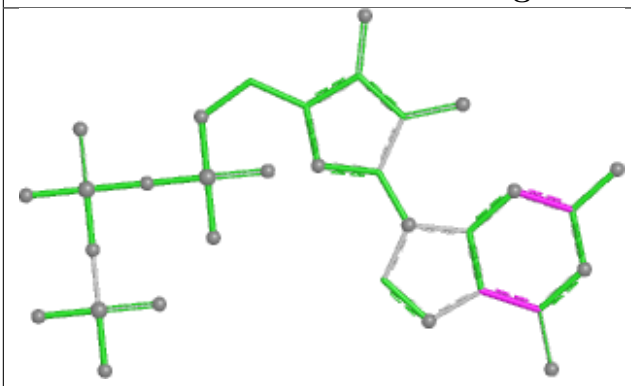
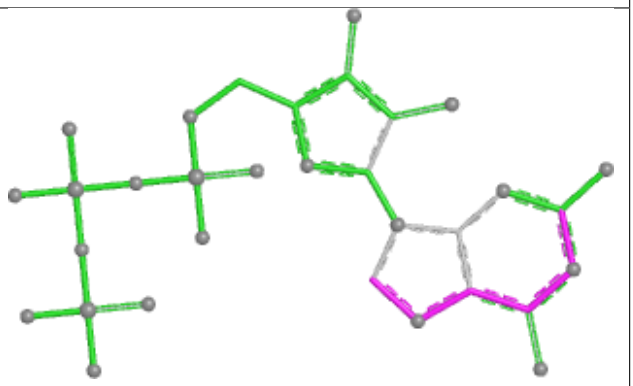
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 3O 501



Bond lengths



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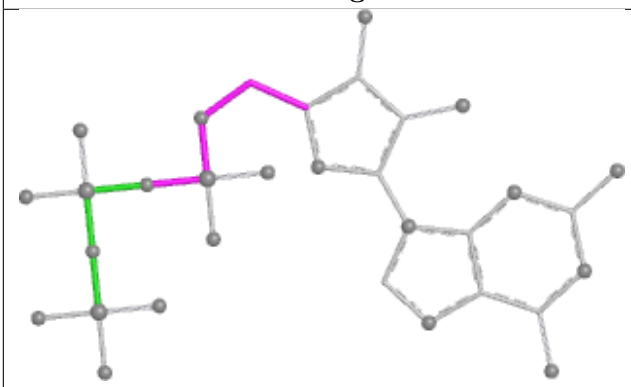

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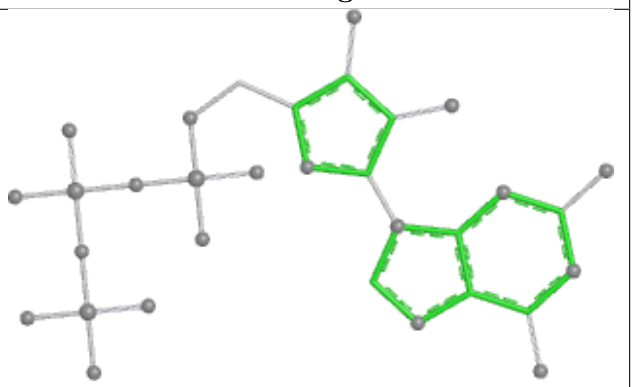
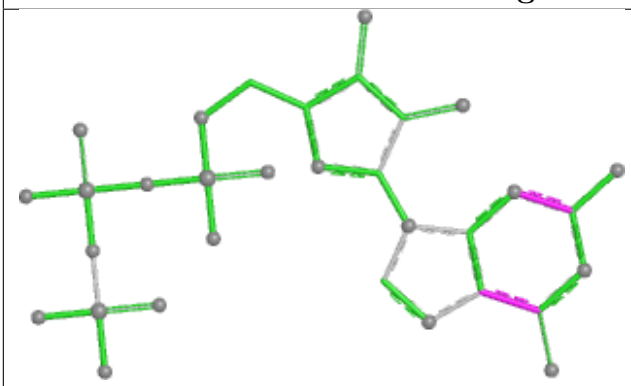


Rings

Ligand GTP Ft 501



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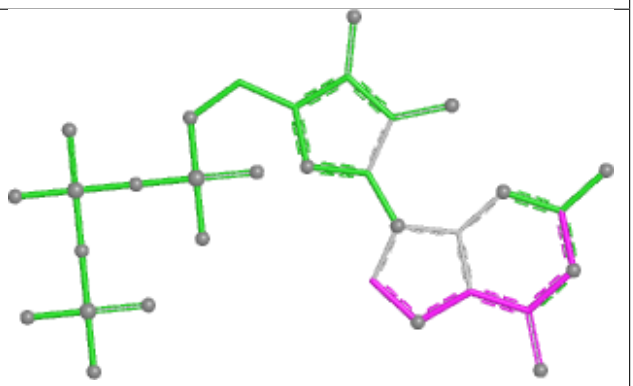

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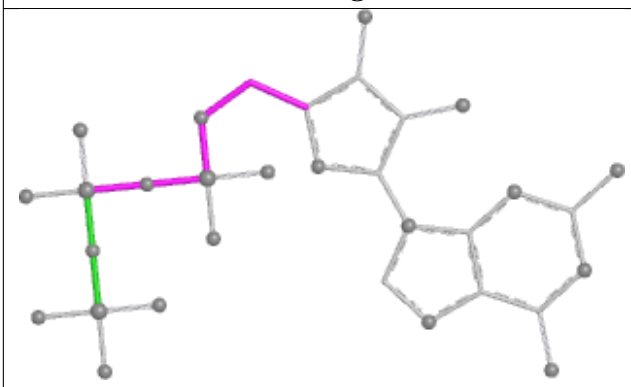

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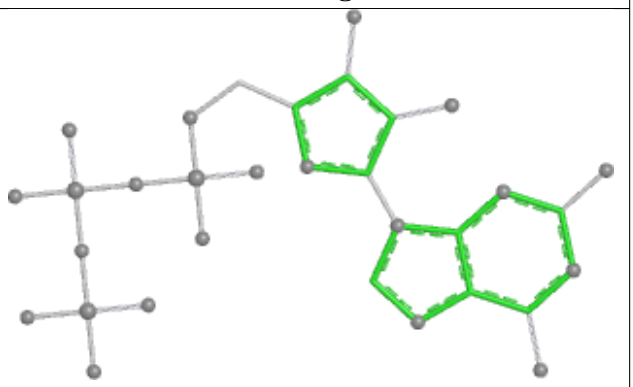
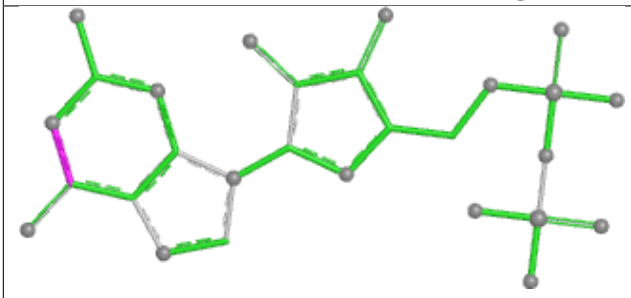
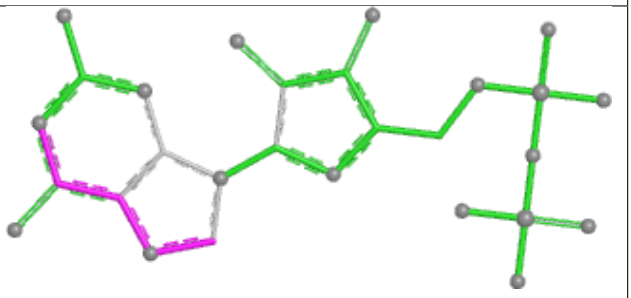
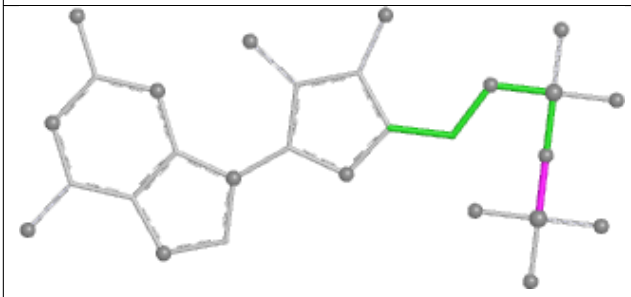
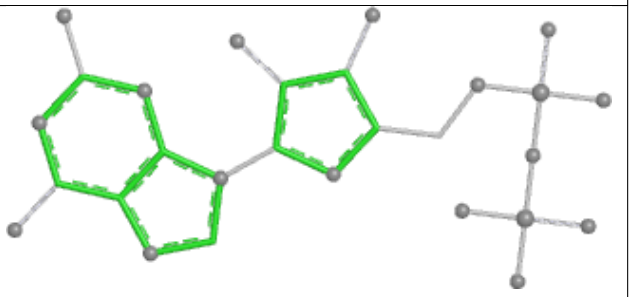


Rings

Ligand GDP X0 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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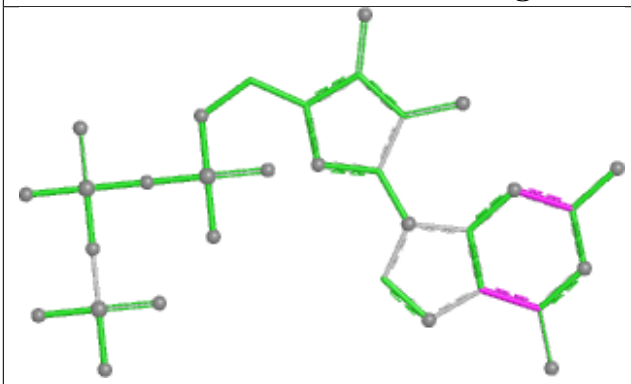
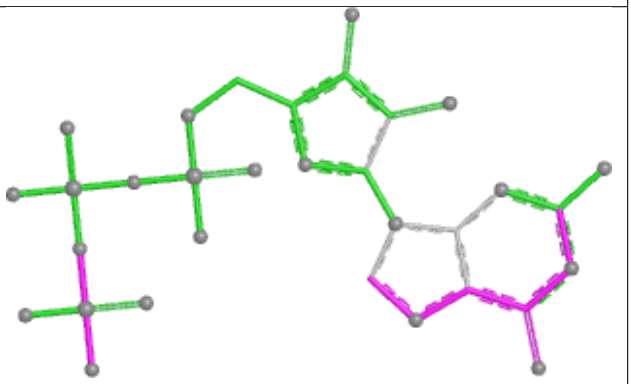
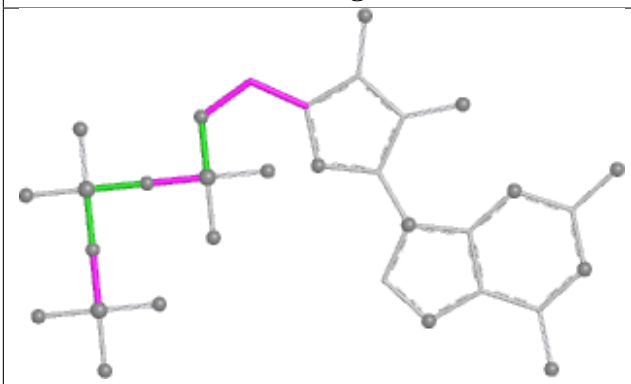
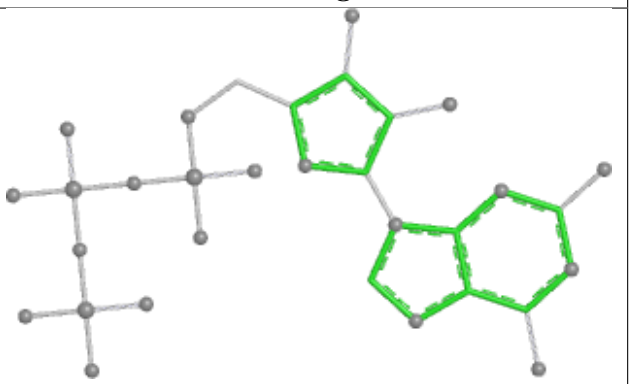
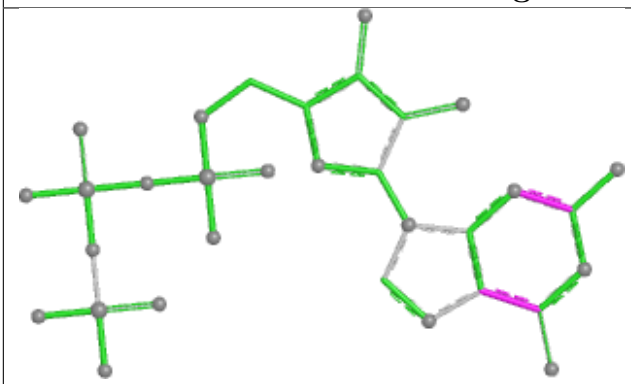
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP D1 501



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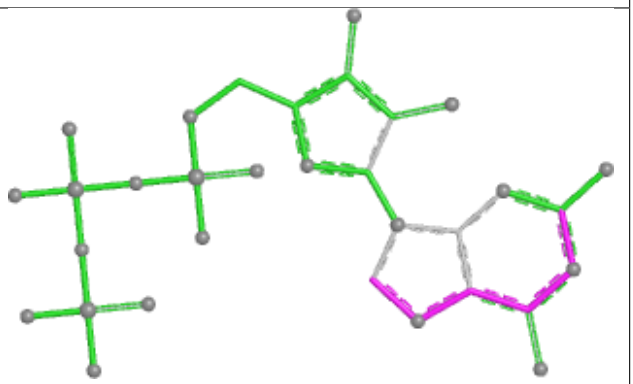

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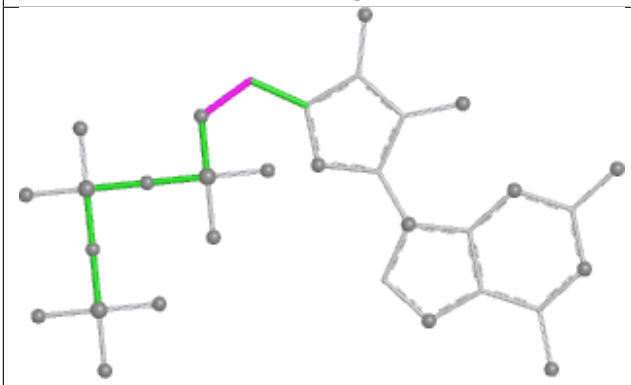

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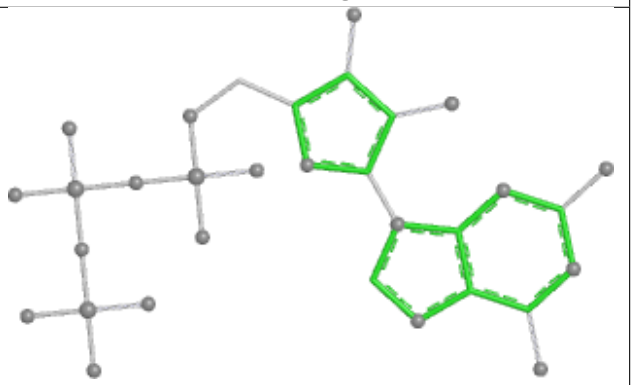
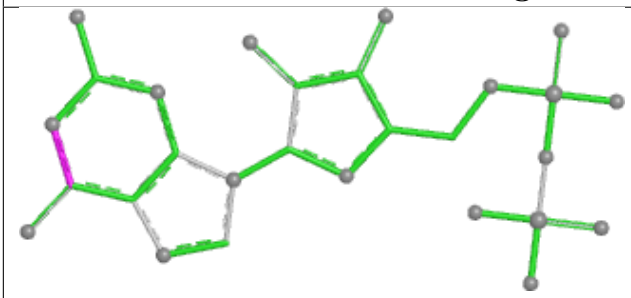


Rings

Ligand GDP P6 503



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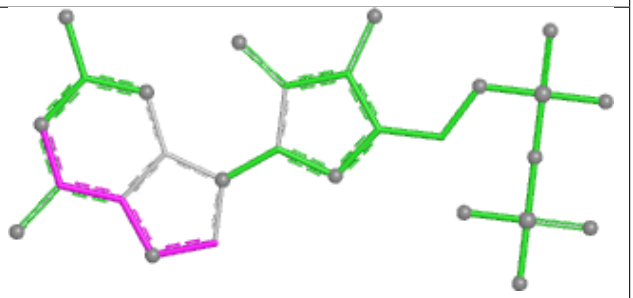

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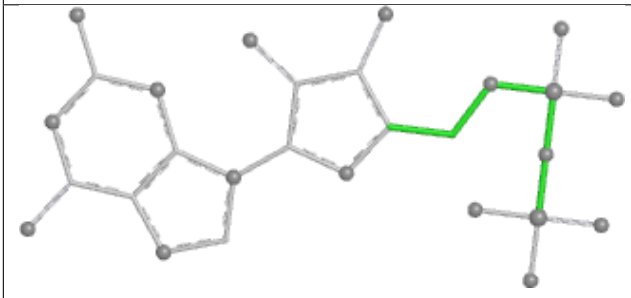

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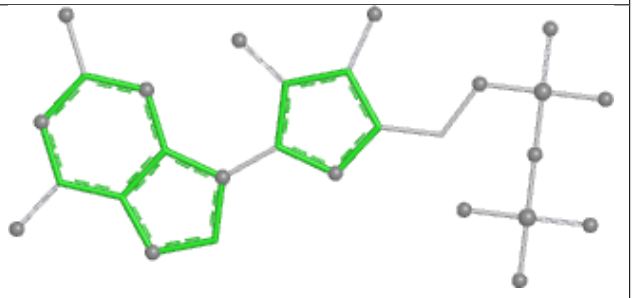
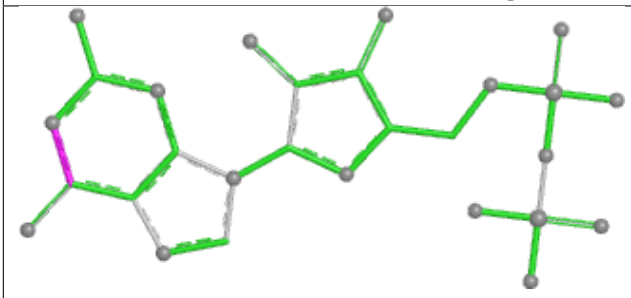
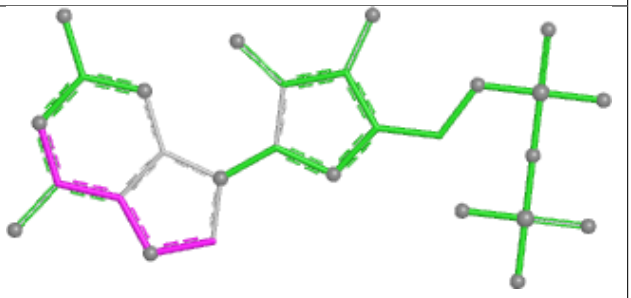
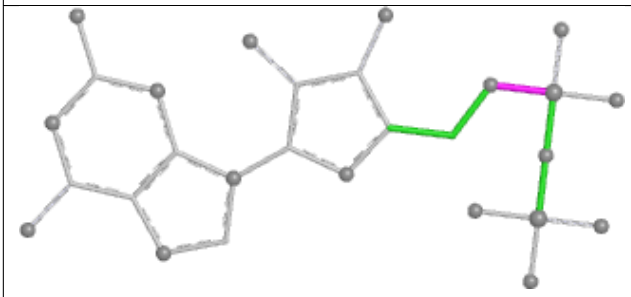
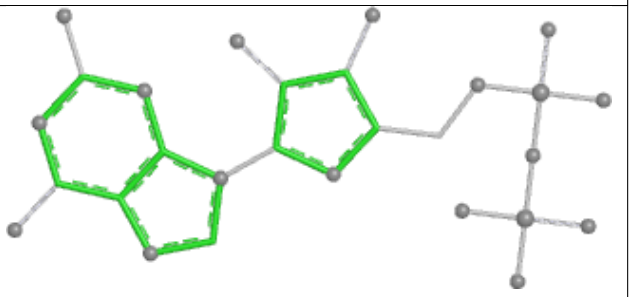
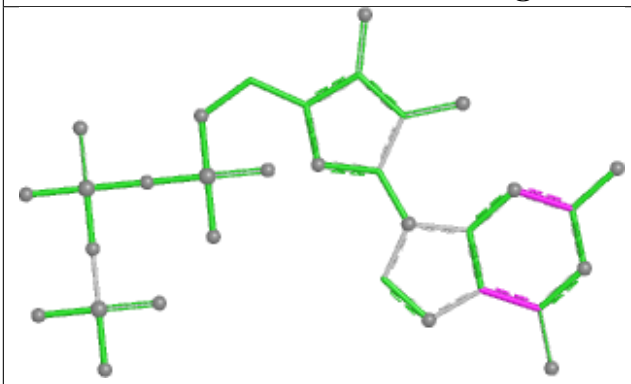
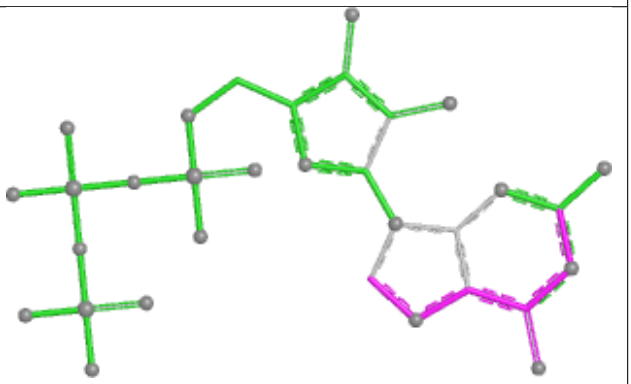
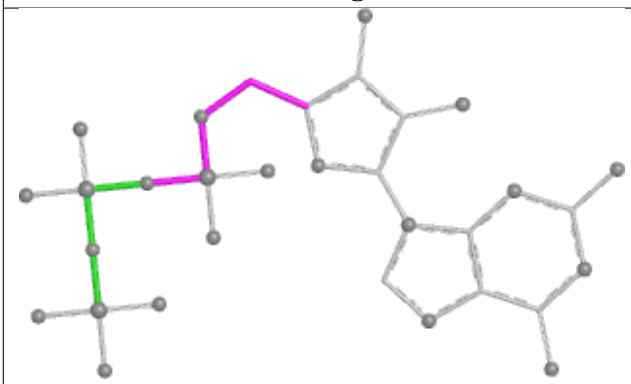
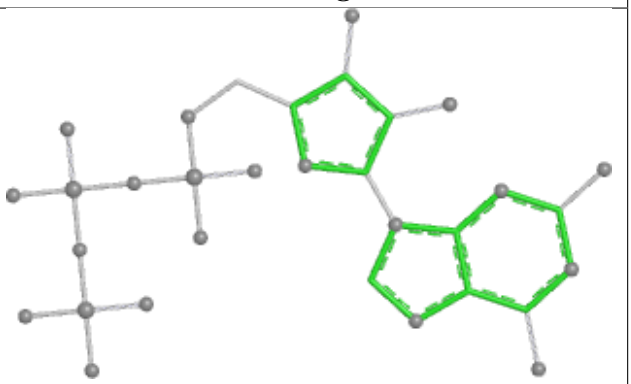
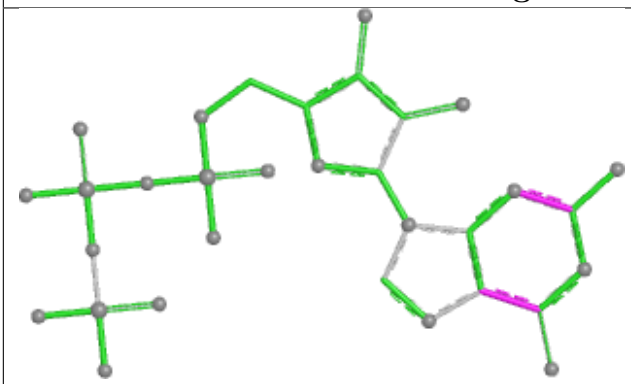


Rings

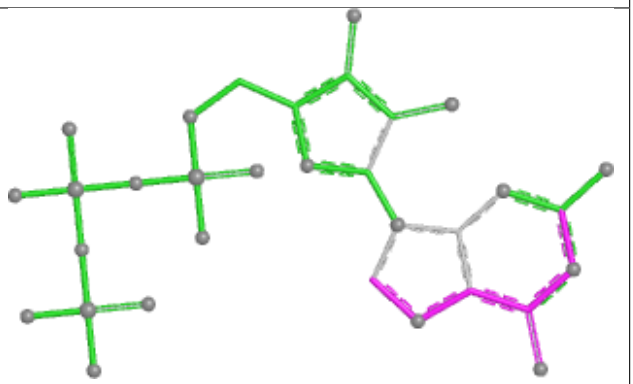
Ligand GDP NW 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP P6 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

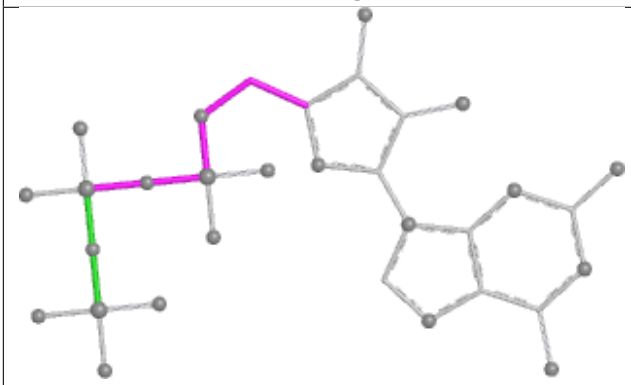
Ligand GTP A1 501



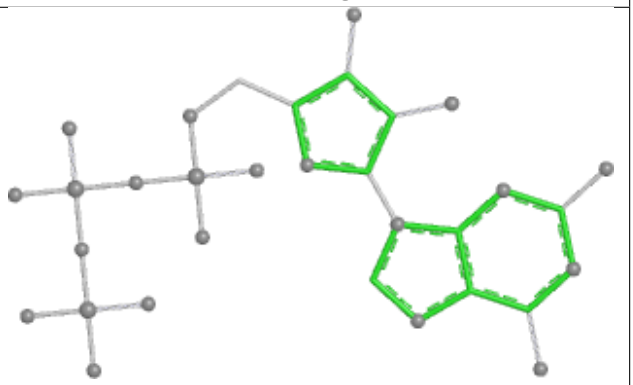
Bond lengths



Bond angles

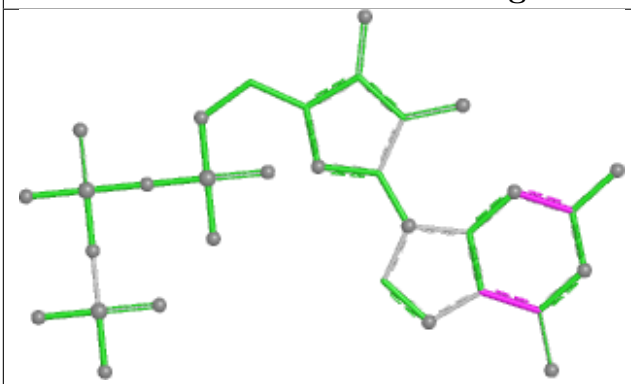


Torsions



Rings

Ligand GTP Mh 501



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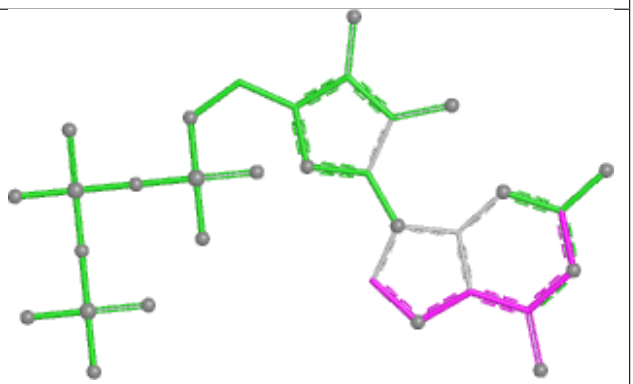
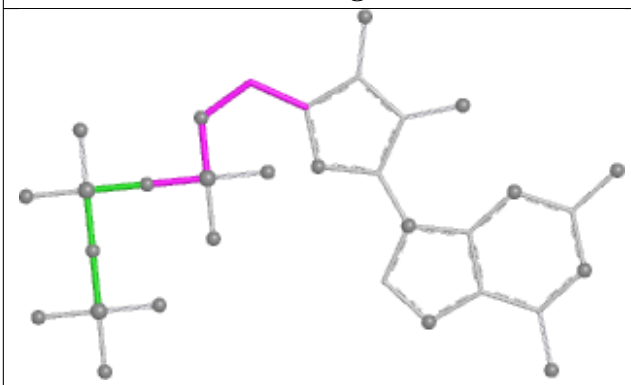


Bond angles



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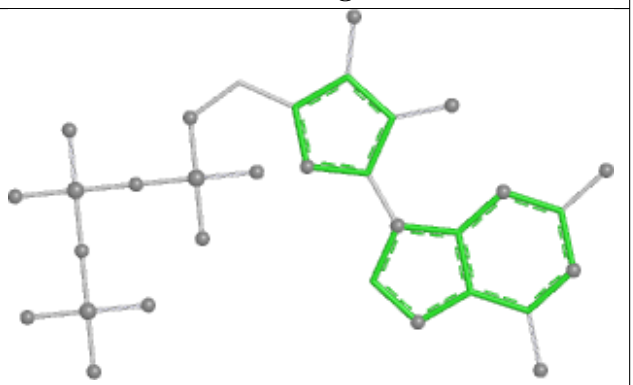
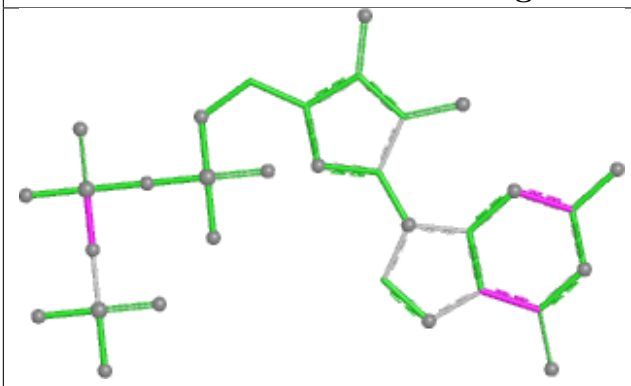
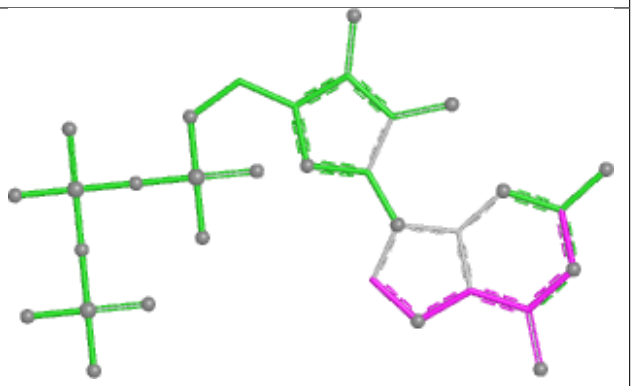


Rings

Ligand GTP 2E 501



Bond lengths



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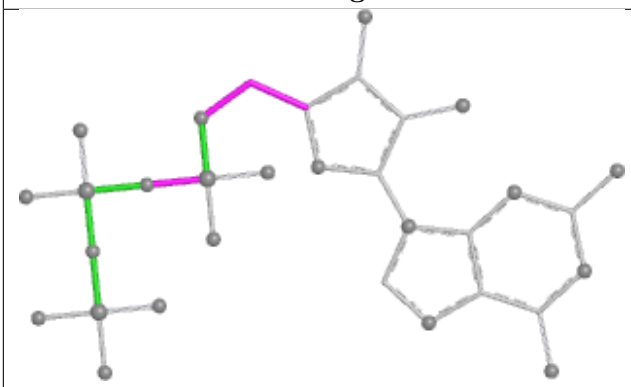
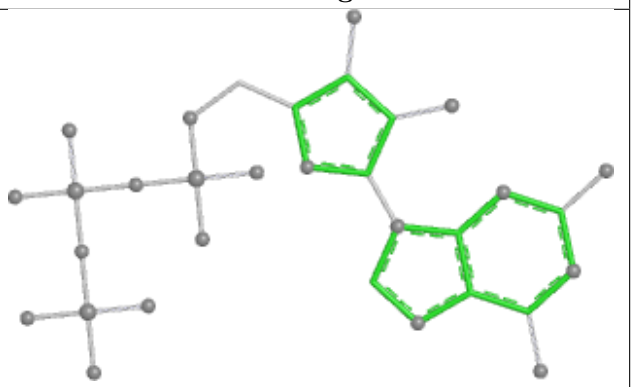
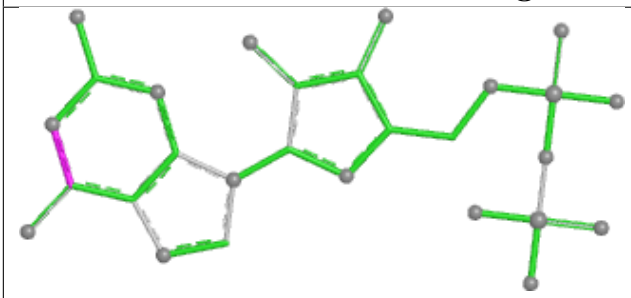


Torsions



Rings

Ligand GDP Es 502



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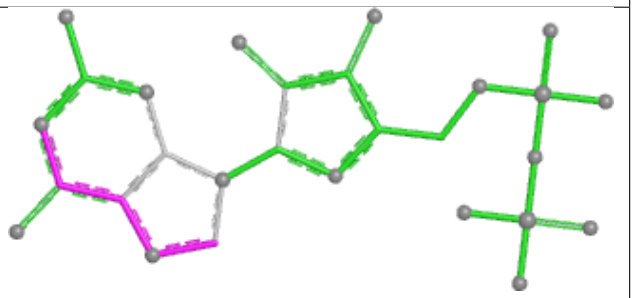

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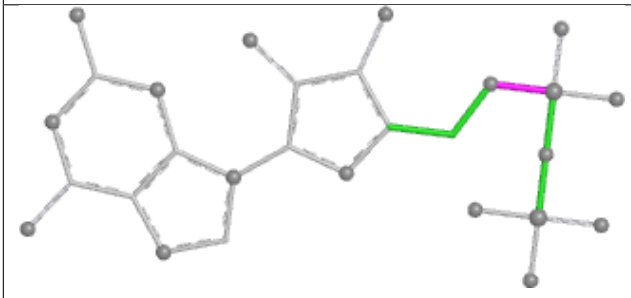

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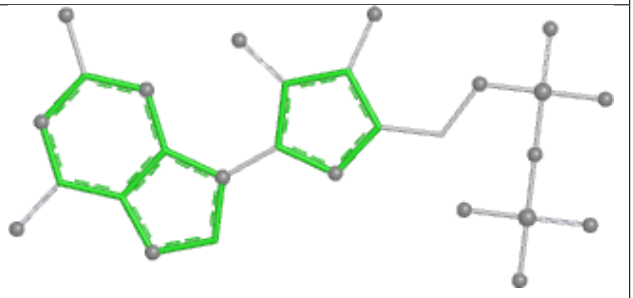
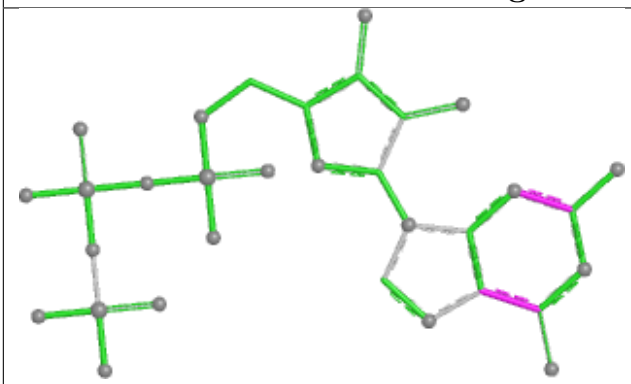


Rings

Ligand GTP CK 501



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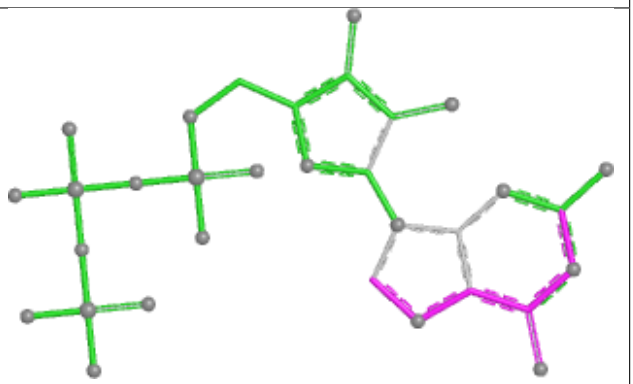

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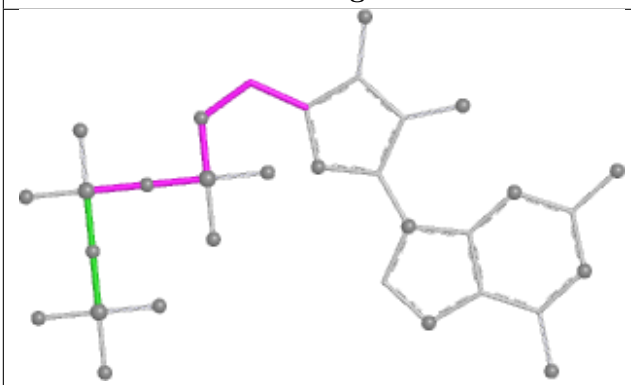

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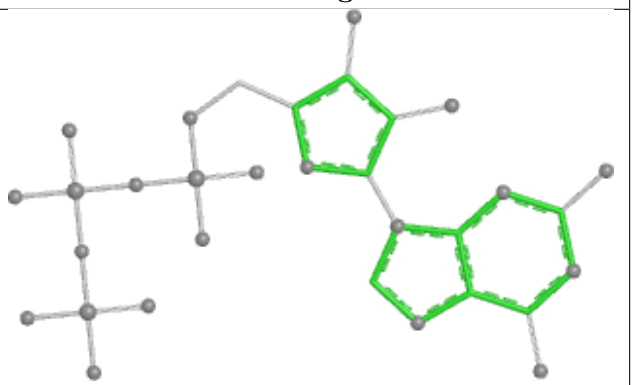
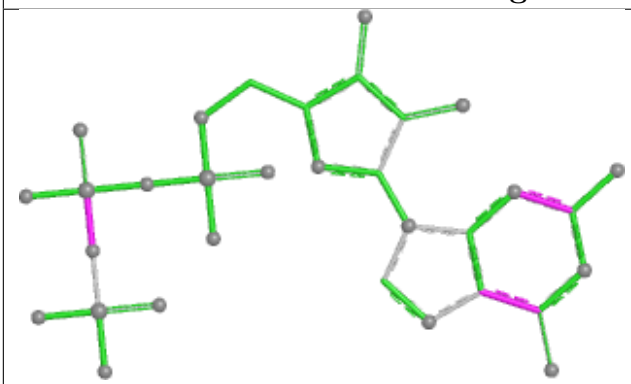


Rings

Ligand GTP M0 501



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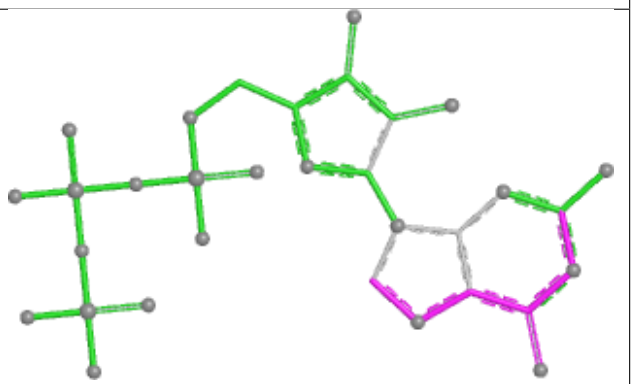

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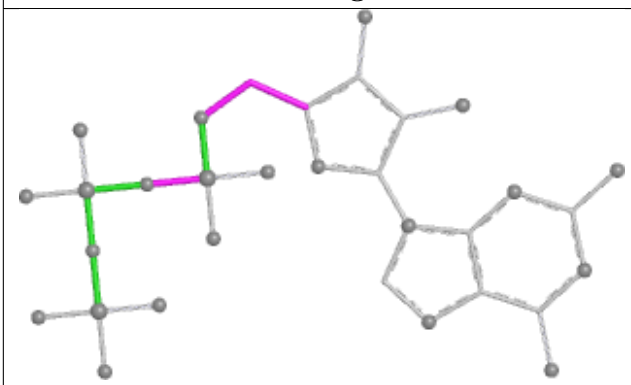

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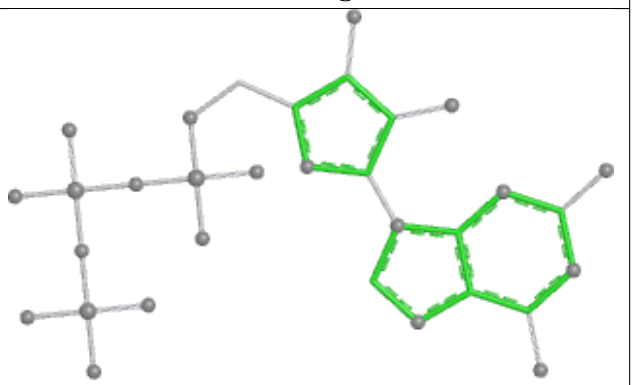
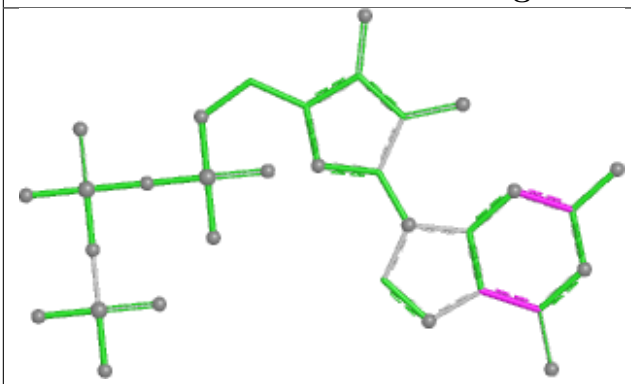


Rings

Ligand GTP R8 502



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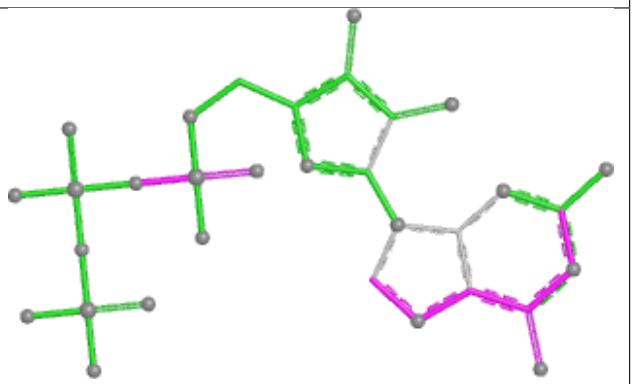

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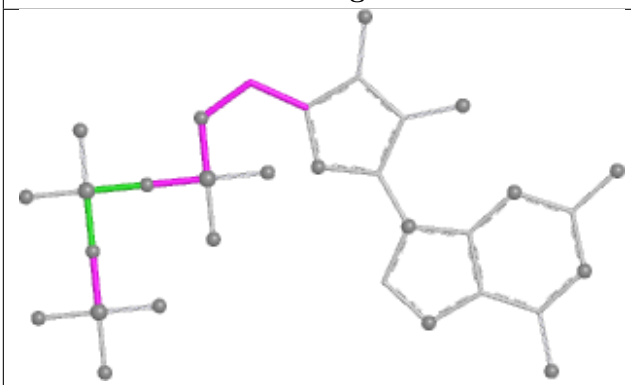

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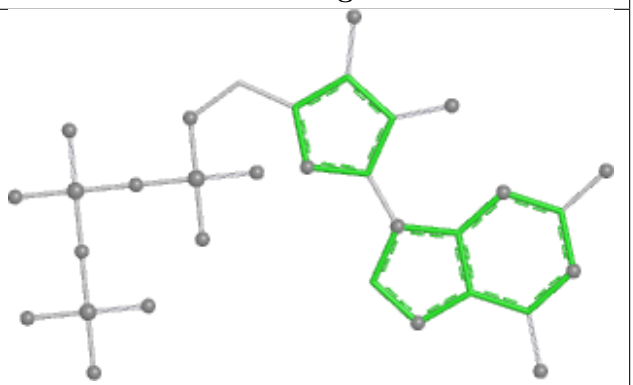
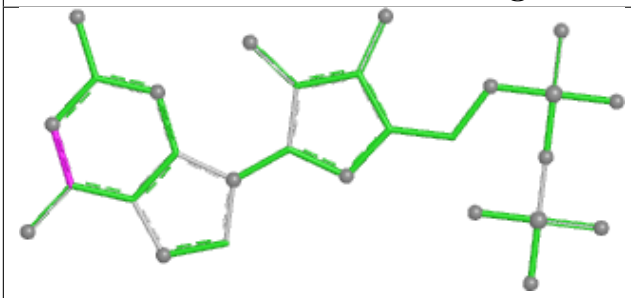


Rings

Ligand GDP DE 502



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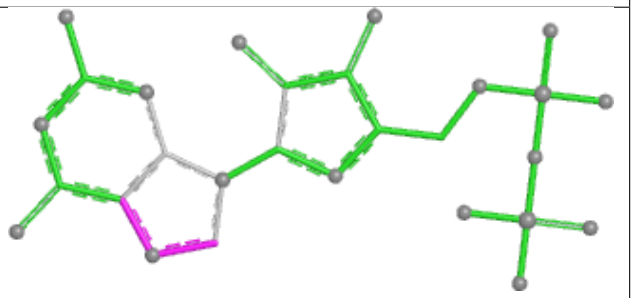

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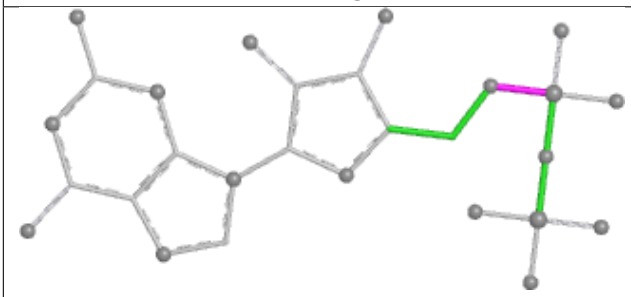

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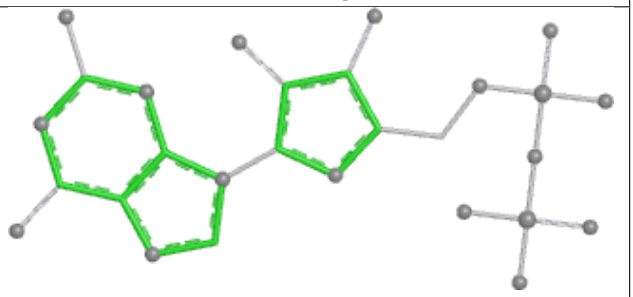
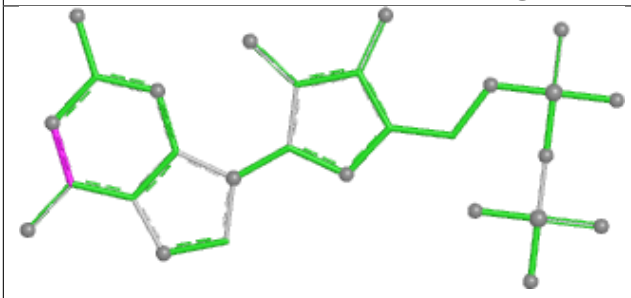
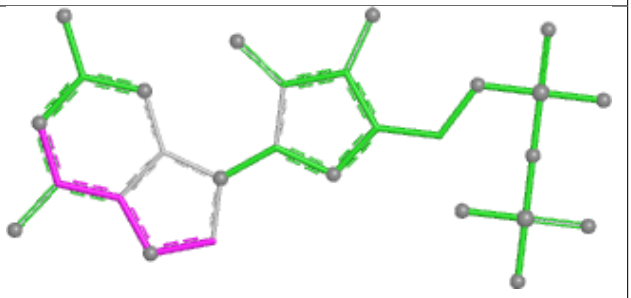
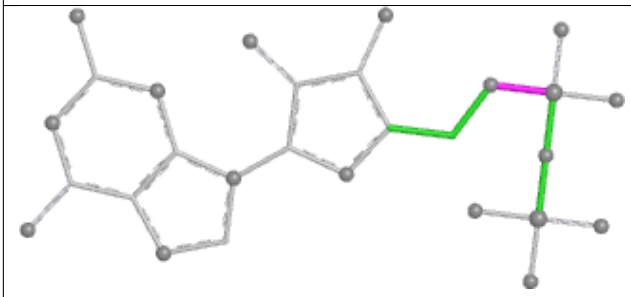
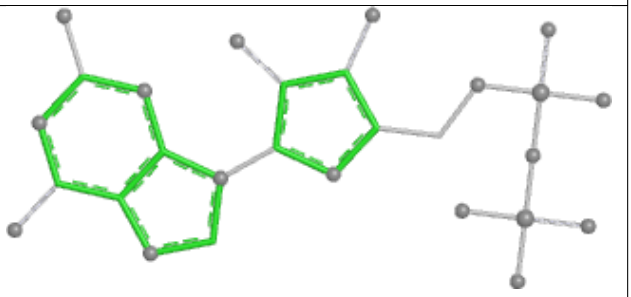


Rings

Ligand GDP Fx 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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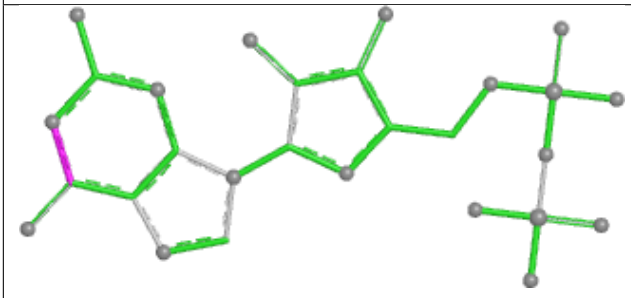
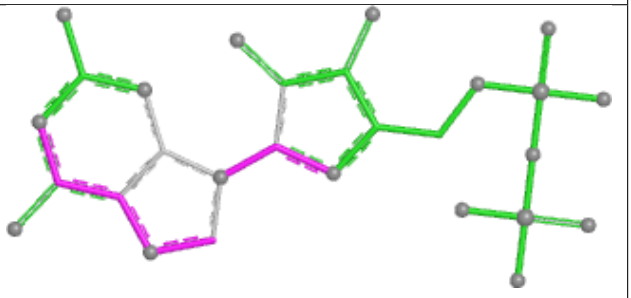
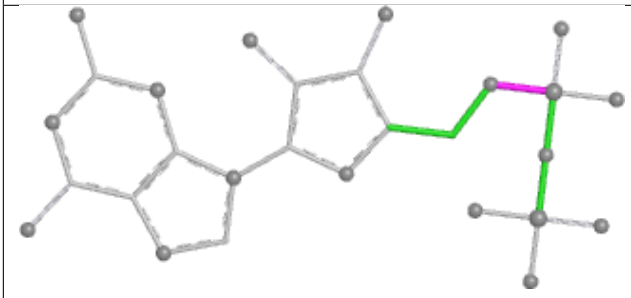
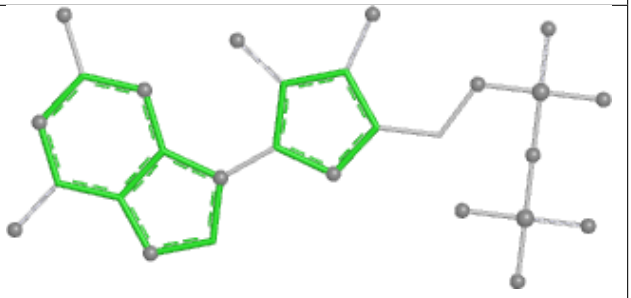
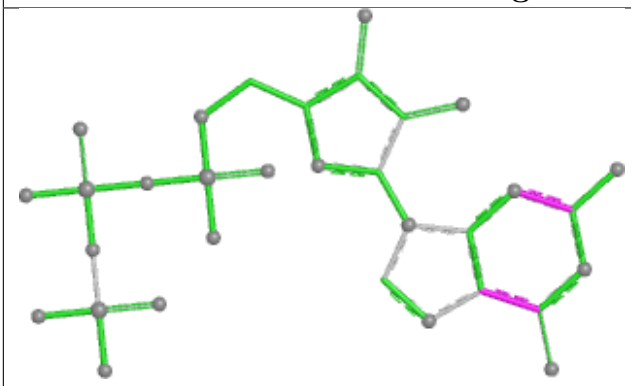
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Du 501



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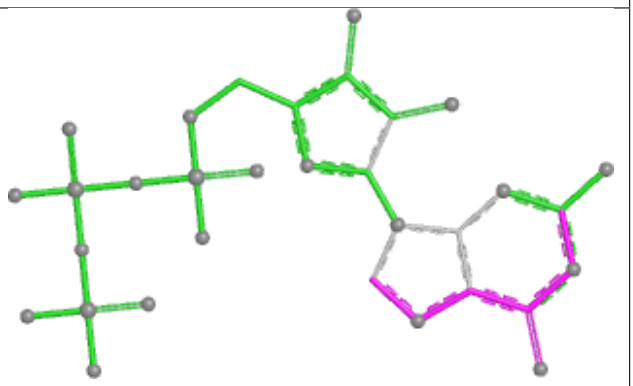

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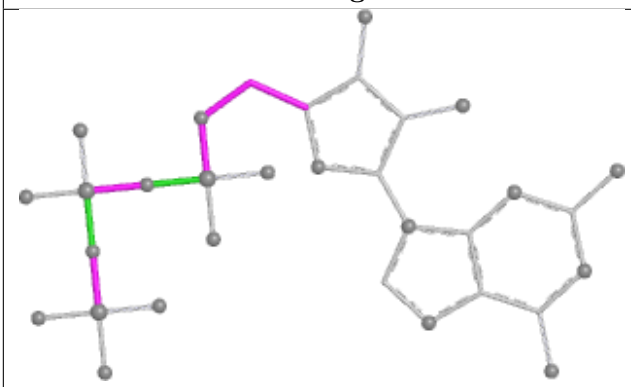

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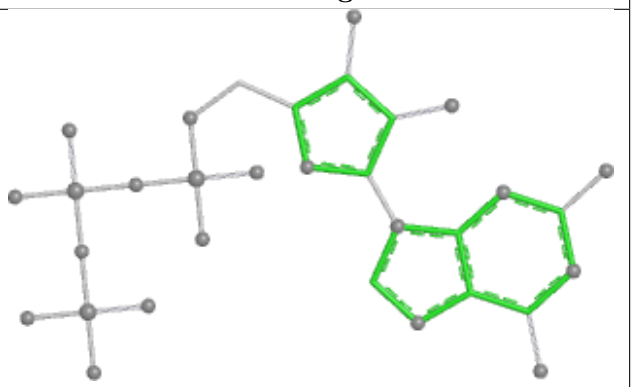
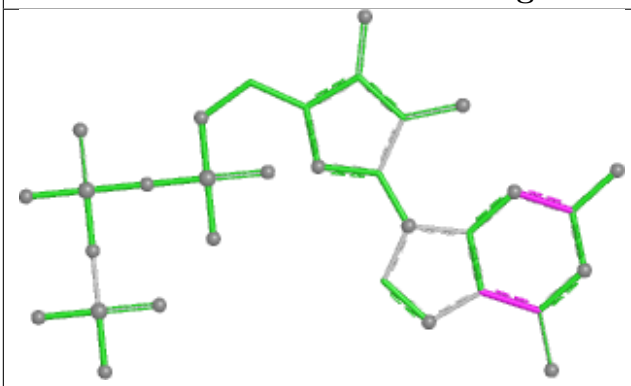


Rings

Ligand GTP 1S 501



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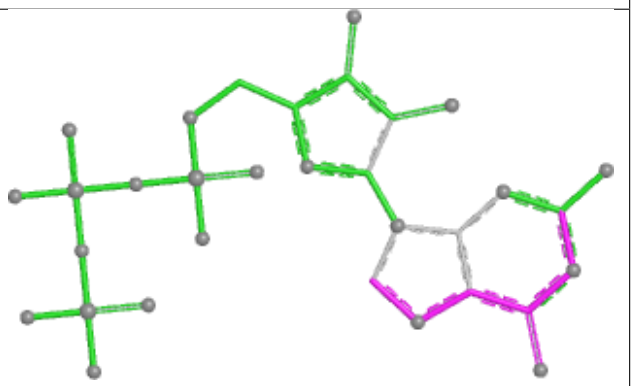

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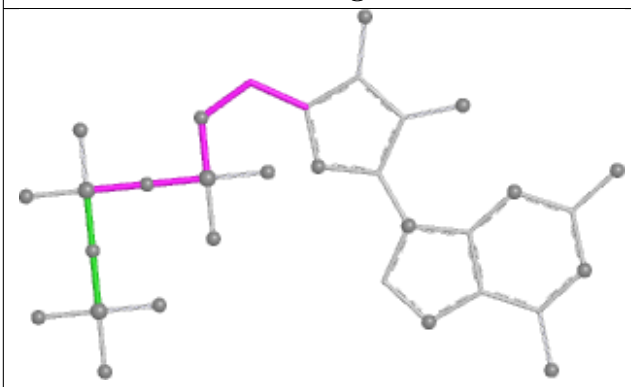

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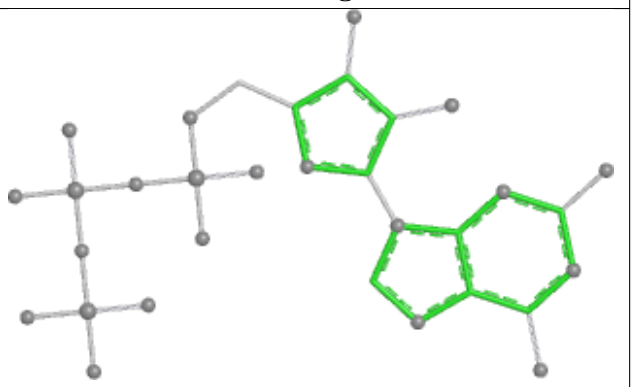
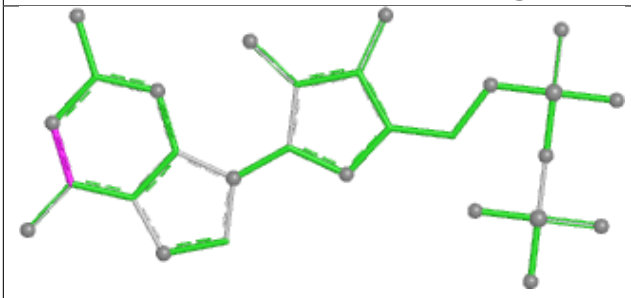


Rings

Ligand GDP FC 501



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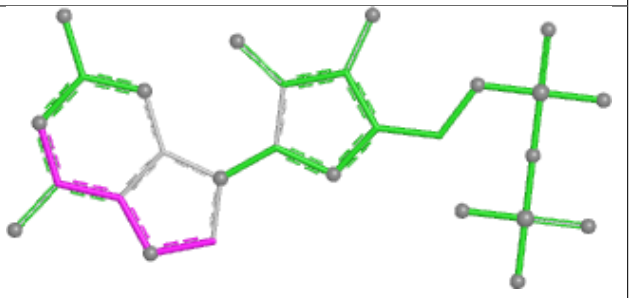

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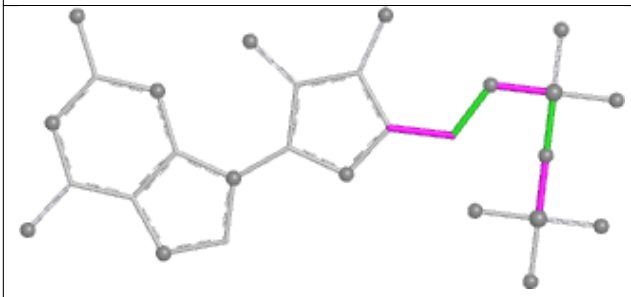

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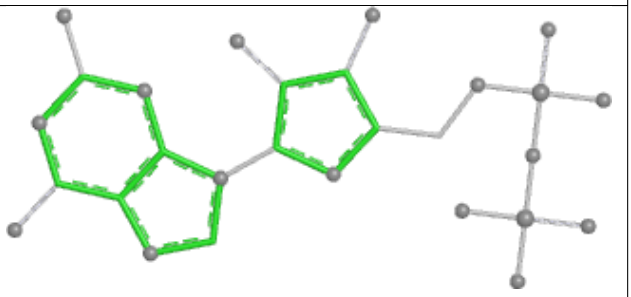
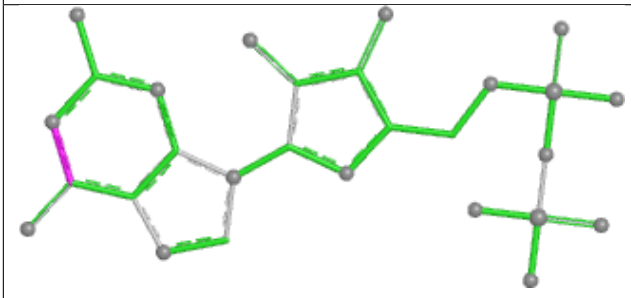


Rings

Ligand GDP H2 502



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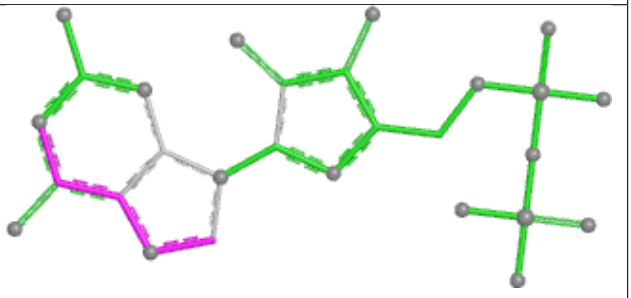
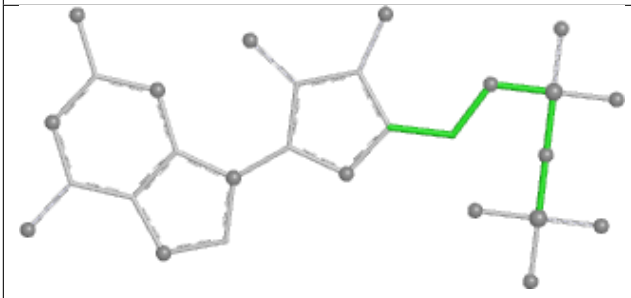


Bond angles



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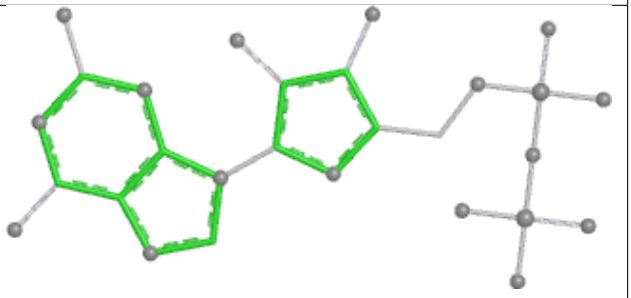
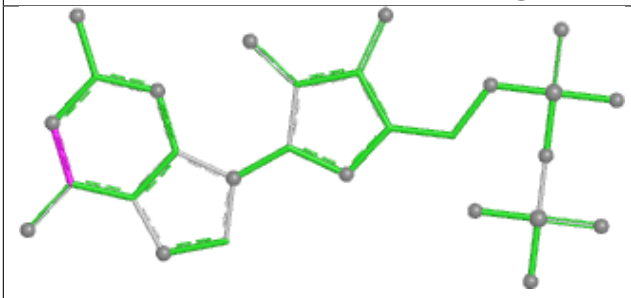
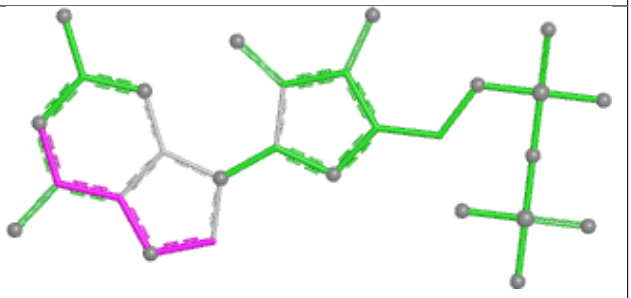
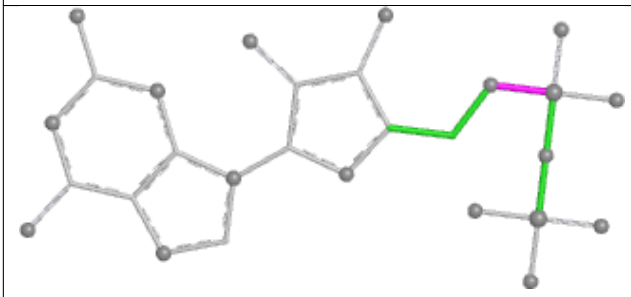
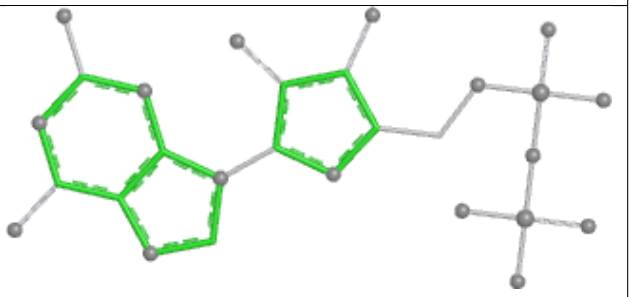
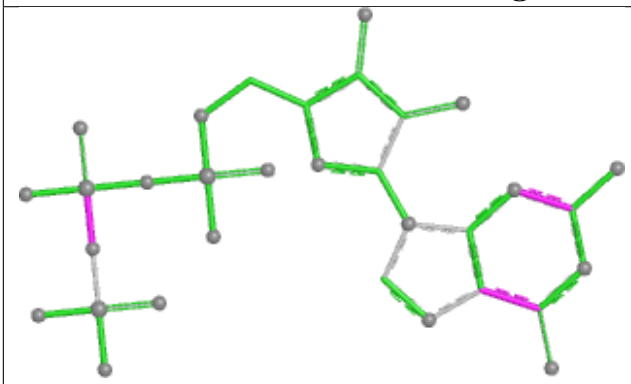
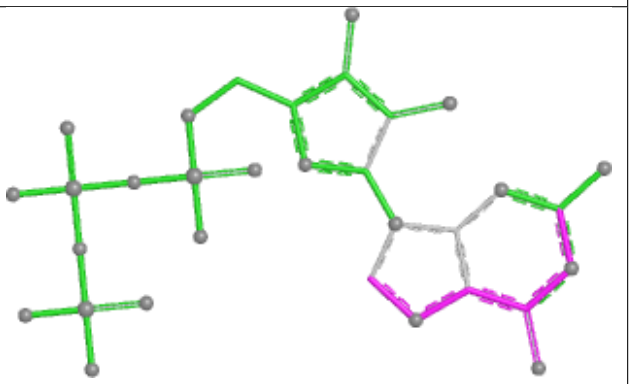
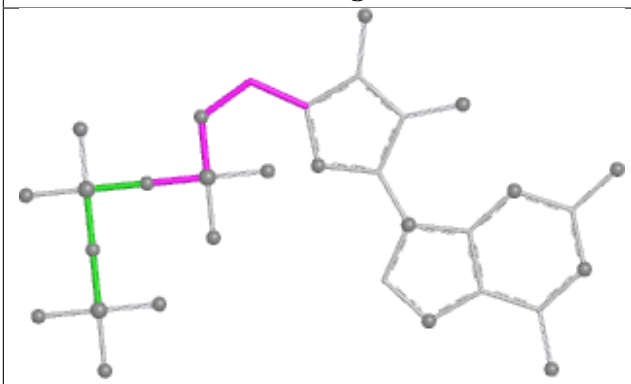
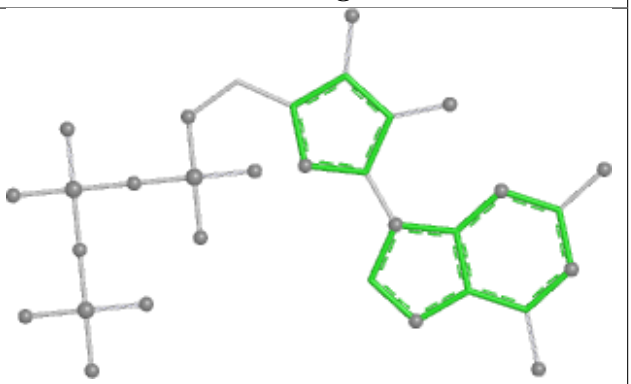
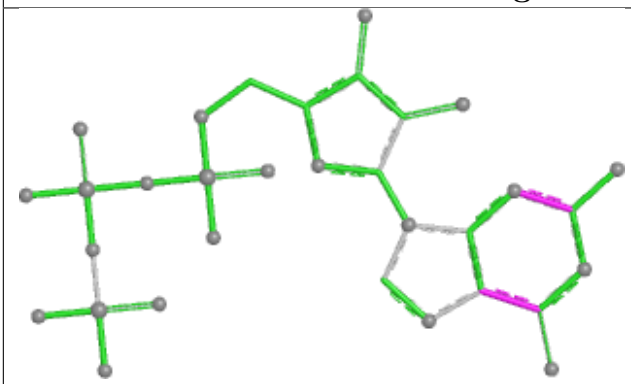


Rings

Ligand GDP B5 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP KL 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Q4 501



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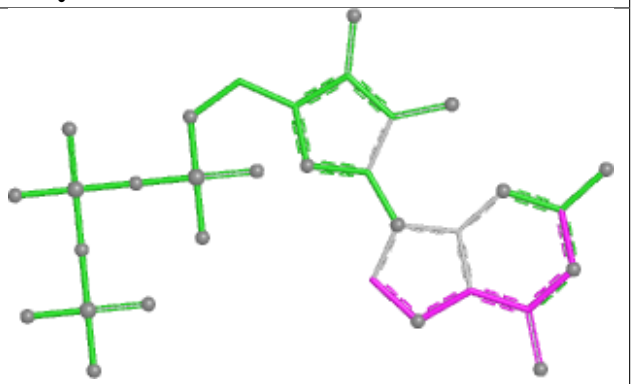

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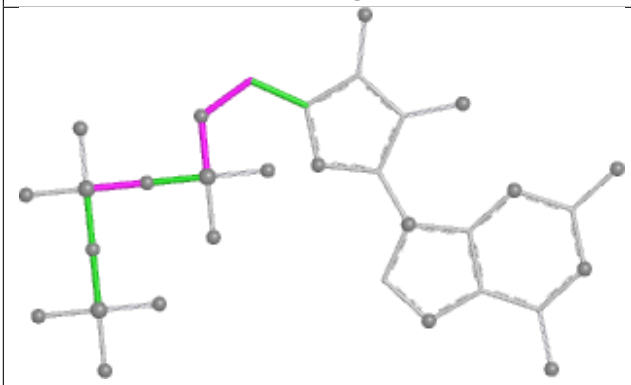

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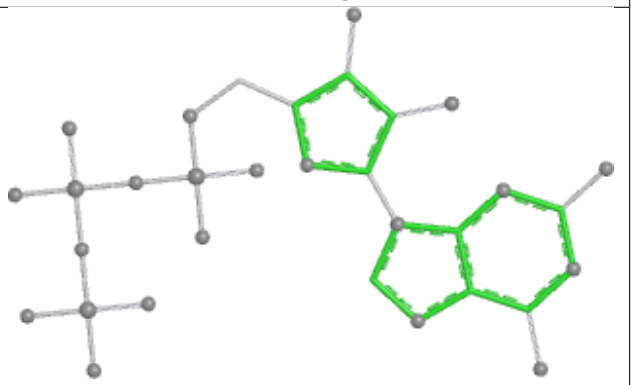
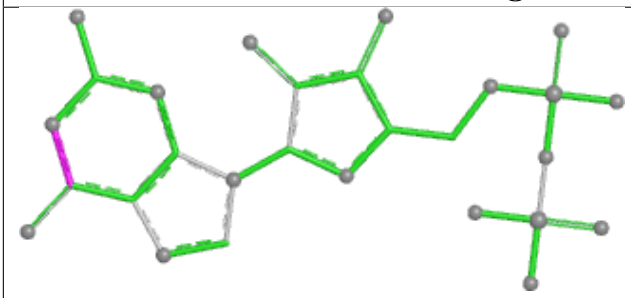


Rings

Ligand GDP DG 502



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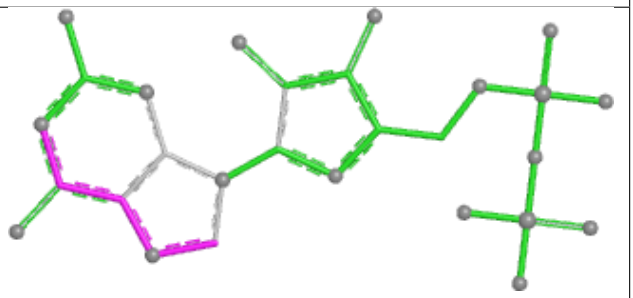

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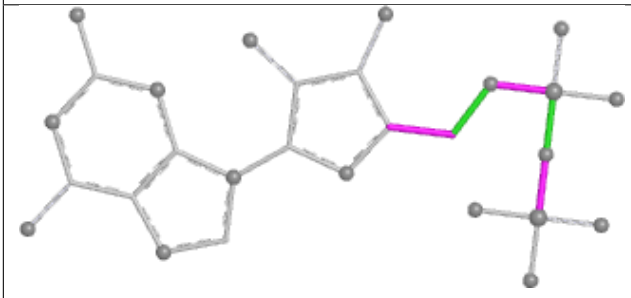

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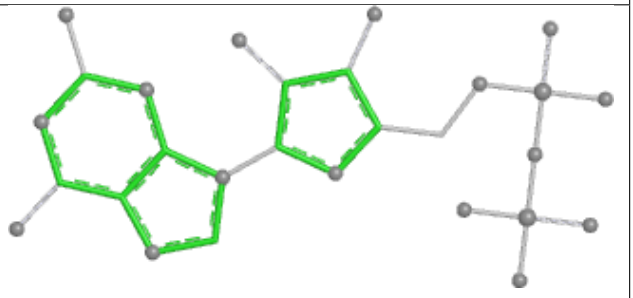

Rings

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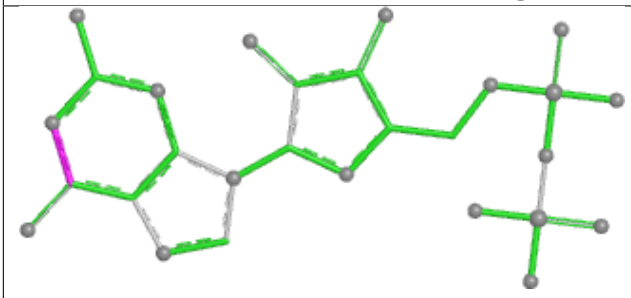
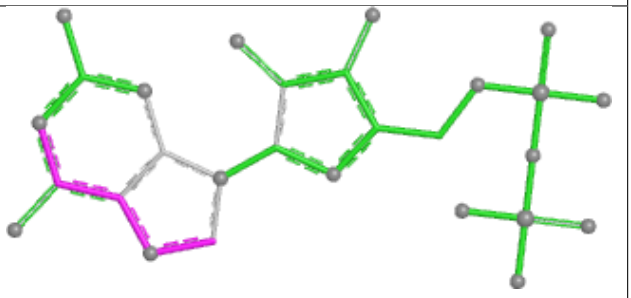
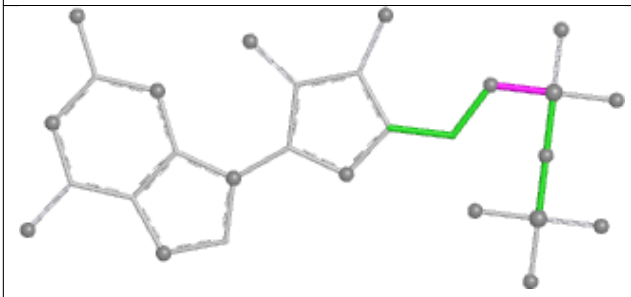
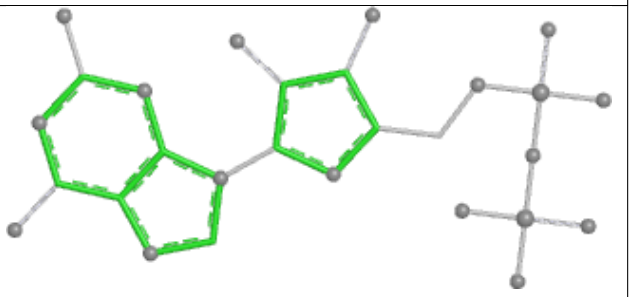
 Bond lengths	 Bond angles
 Torsions	 Rings

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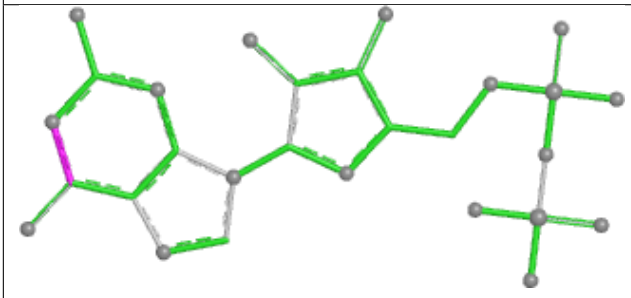
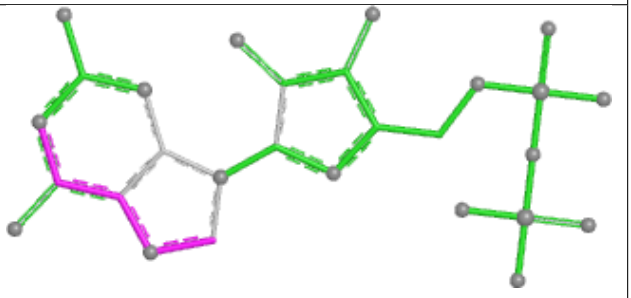
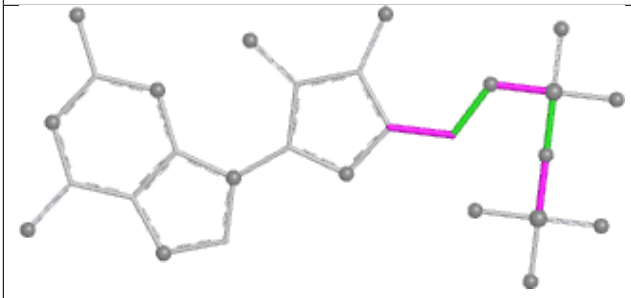
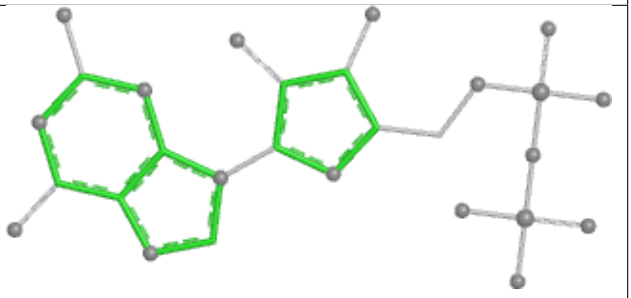
 Bond lengths	 Bond angles
 Torsions	 Rings

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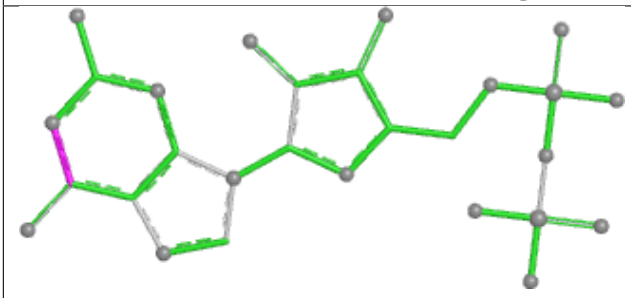
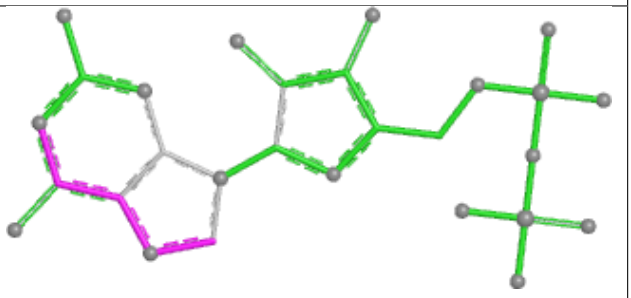
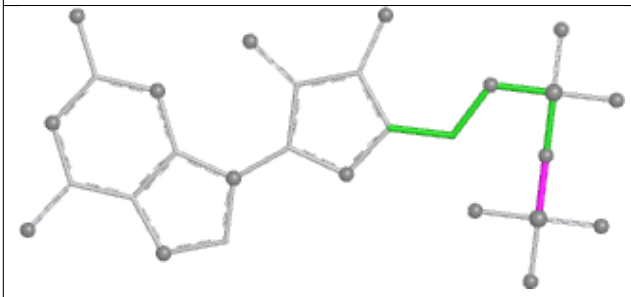
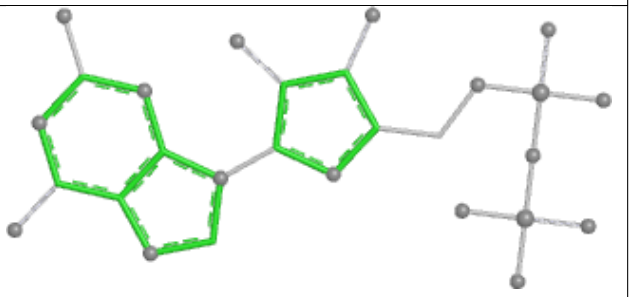
 Bond lengths	 Bond angles
 Torsions	 Rings

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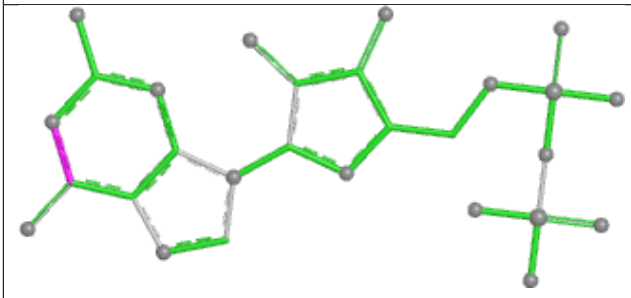
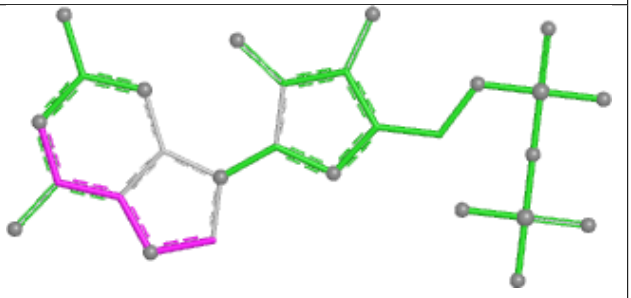
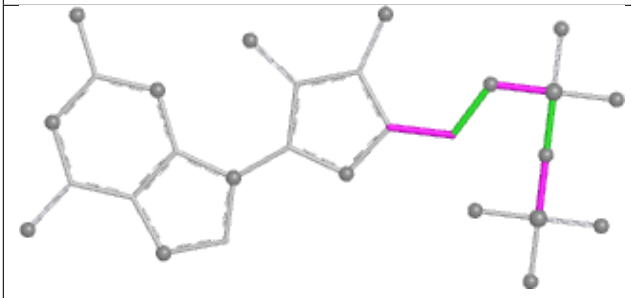
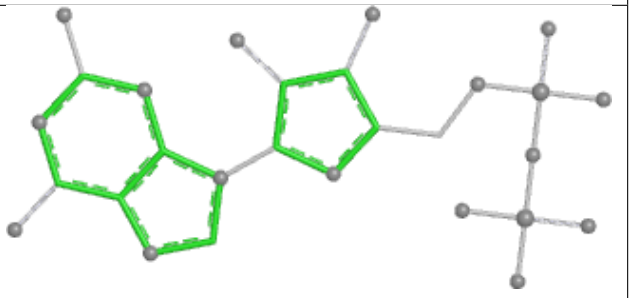
 Bond lengths	 Bond angles
 Torsions	 Rings

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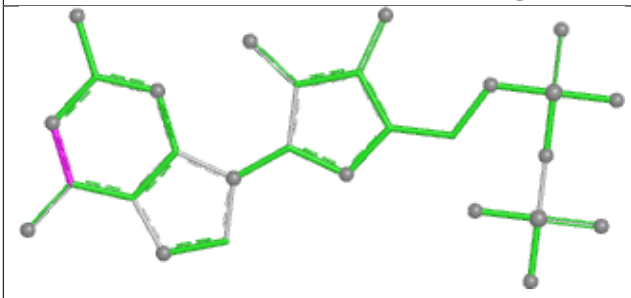
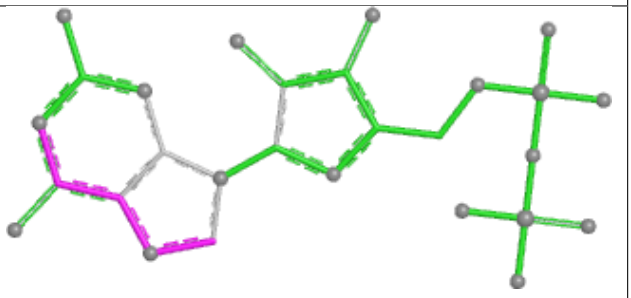
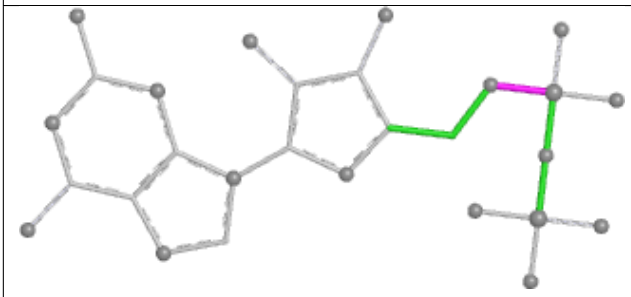
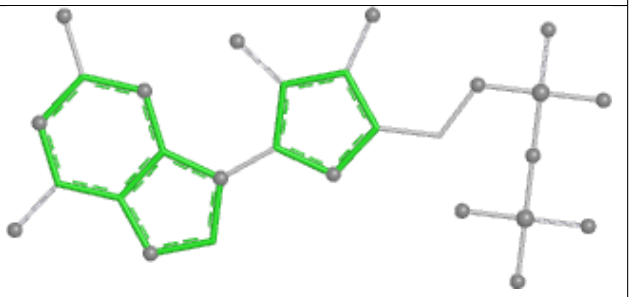
 Bond lengths	 Bond angles
 Torsions	 Rings

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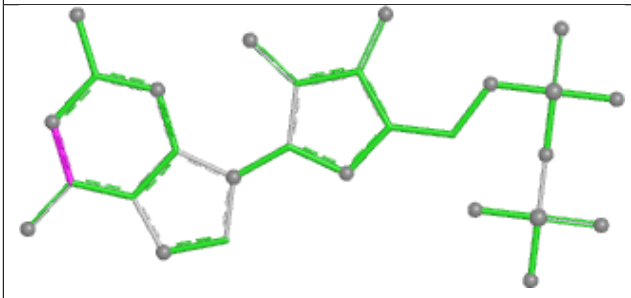
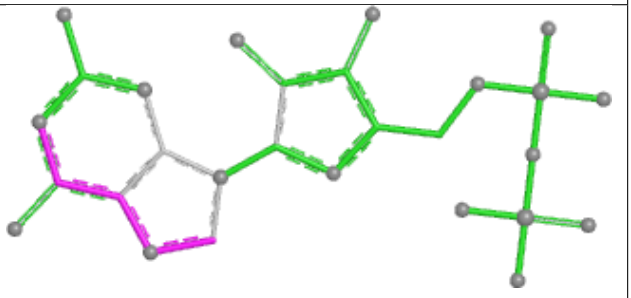
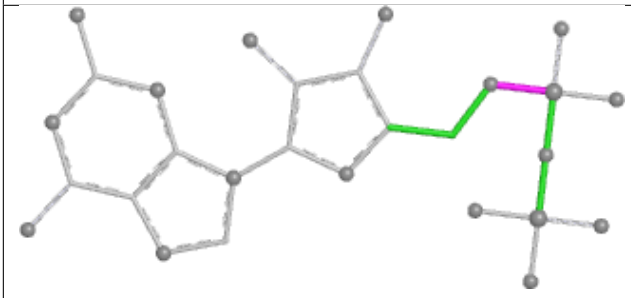
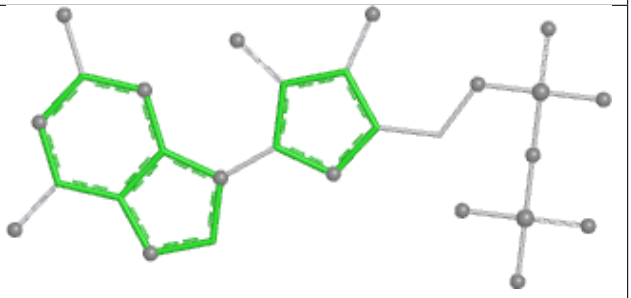
 Bond lengths	 Bond angles
 Torsions	 Rings

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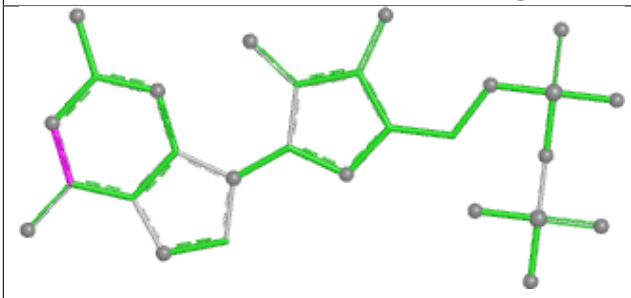
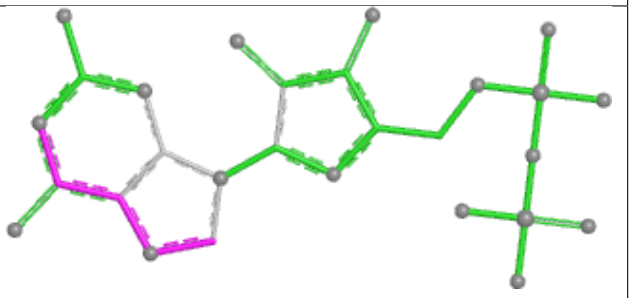
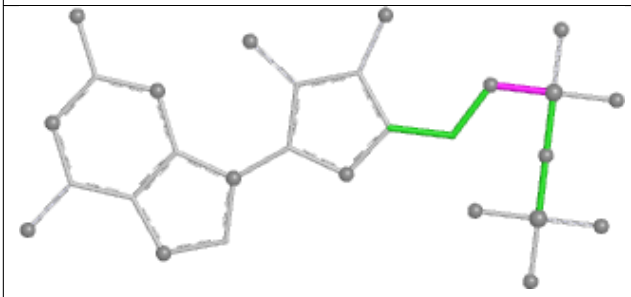
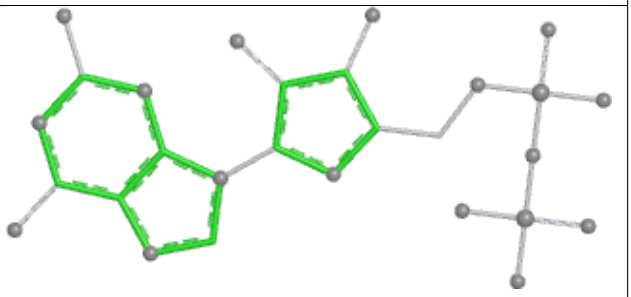
 Bond lengths	 Bond angles
 Torsions	 Rings

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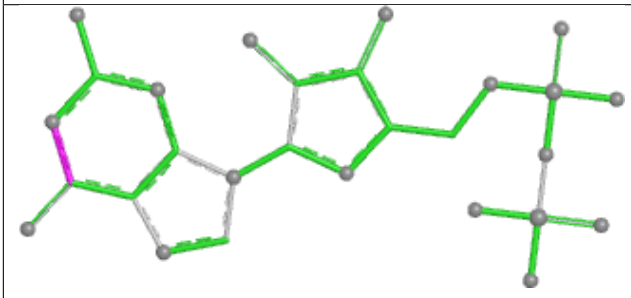
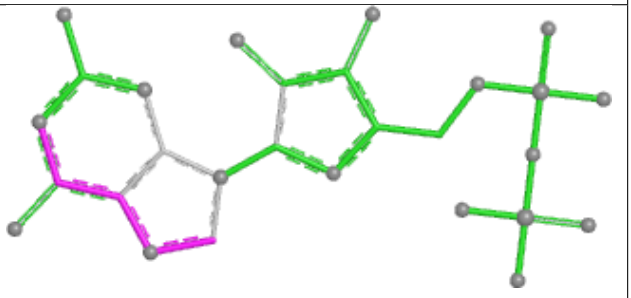
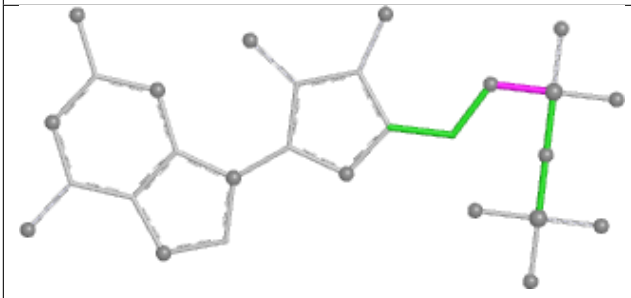
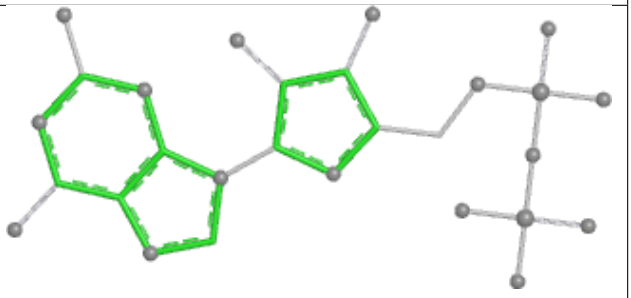
 Bond lengths	 Bond angles
 Torsions	 Rings

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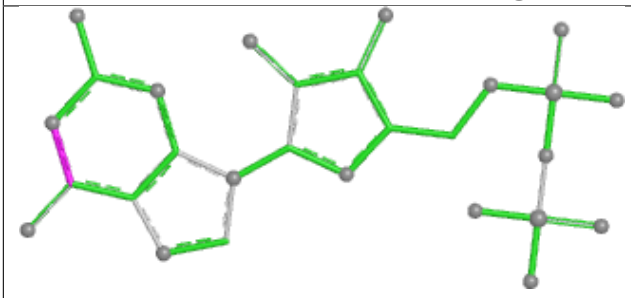

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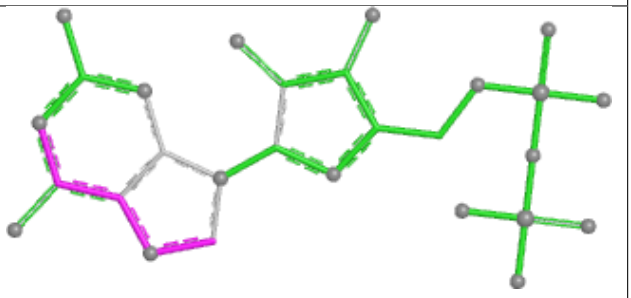

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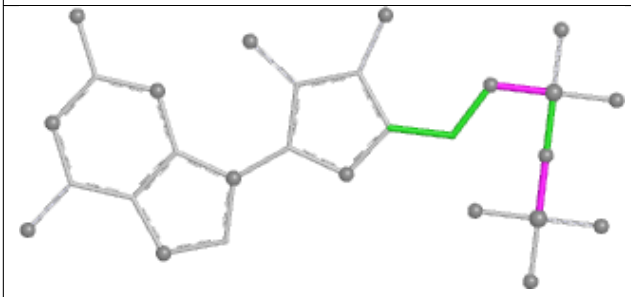

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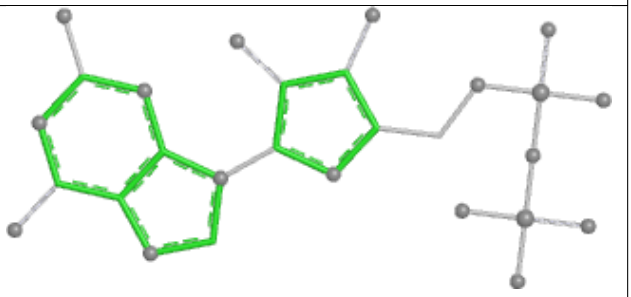
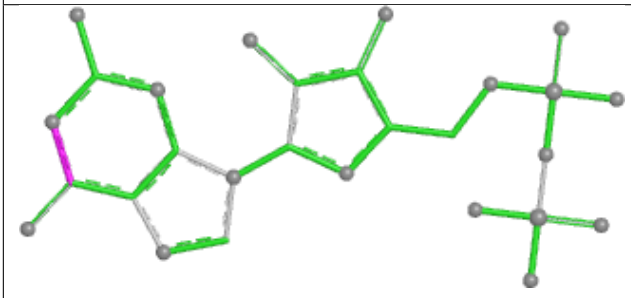


Rings

Ligand GDP DT 502



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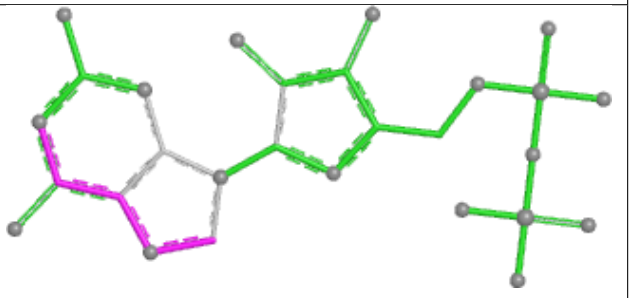

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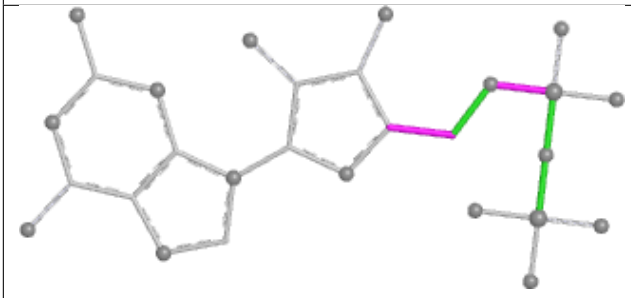

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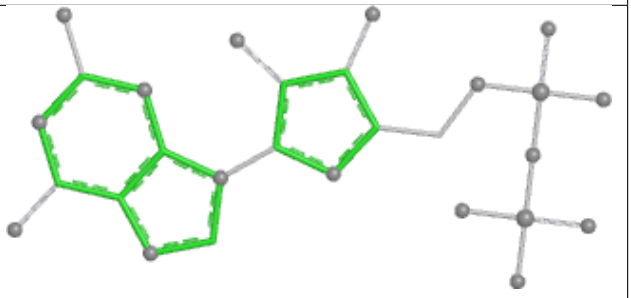
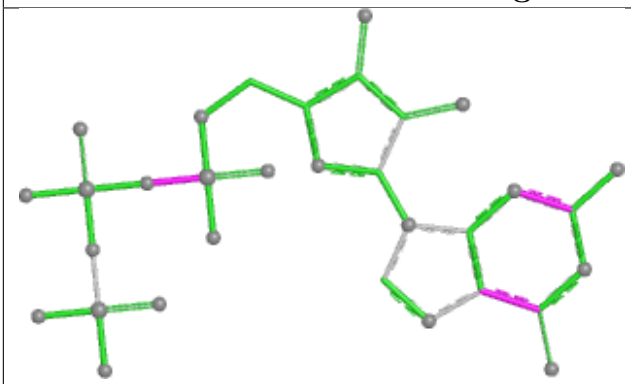


Rings

Ligand GTP 2Q 501



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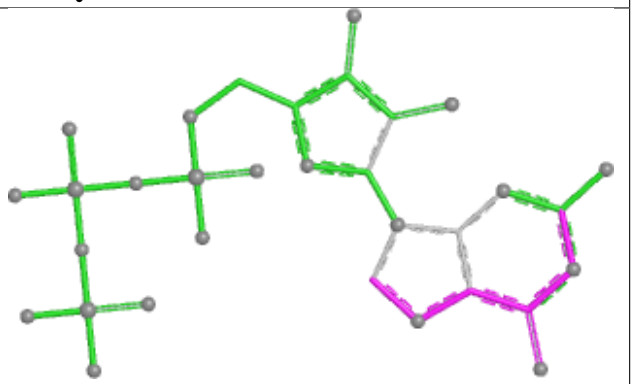

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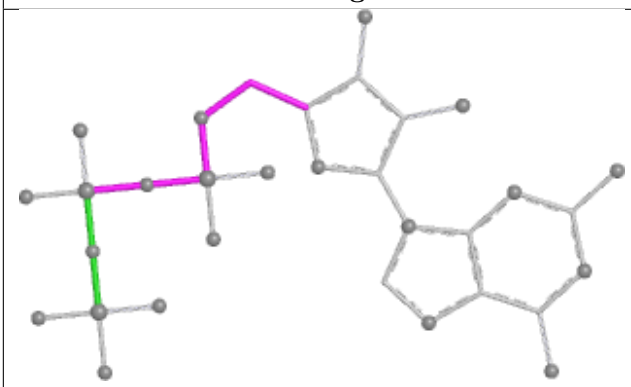

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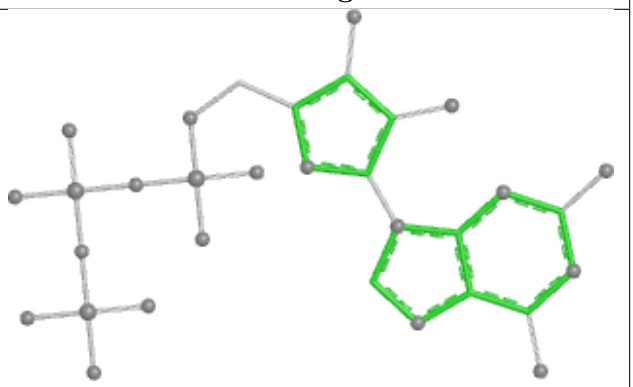

Rings

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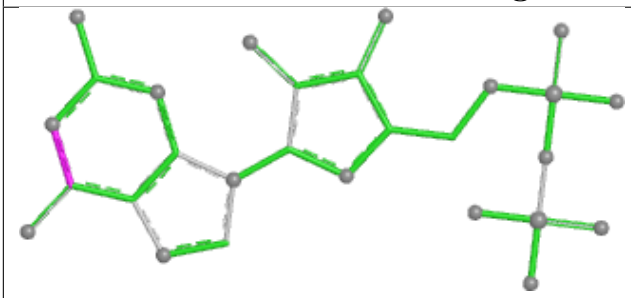

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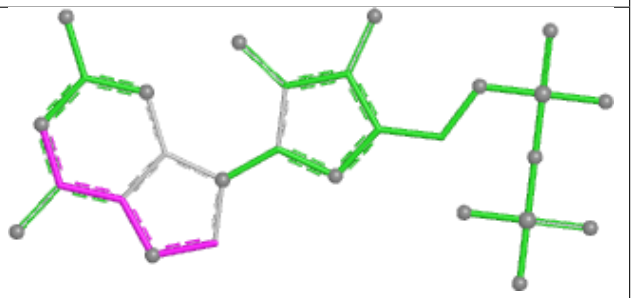

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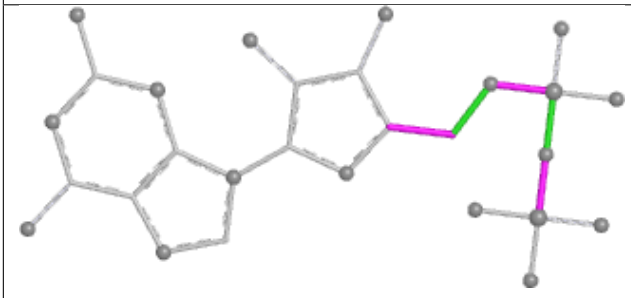
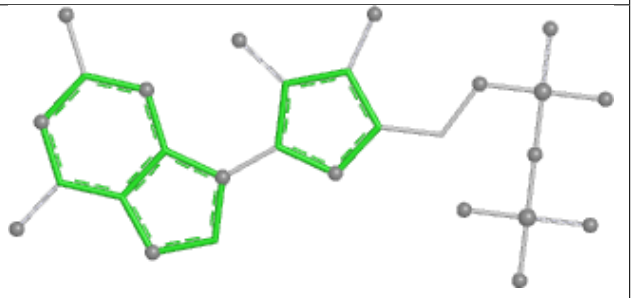
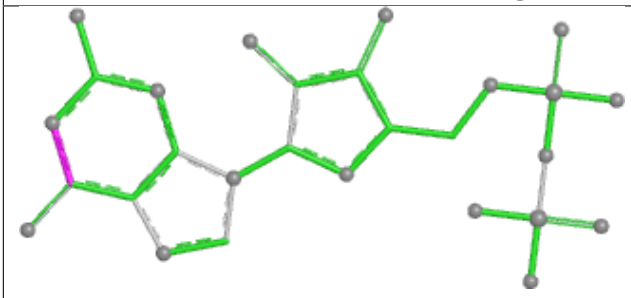
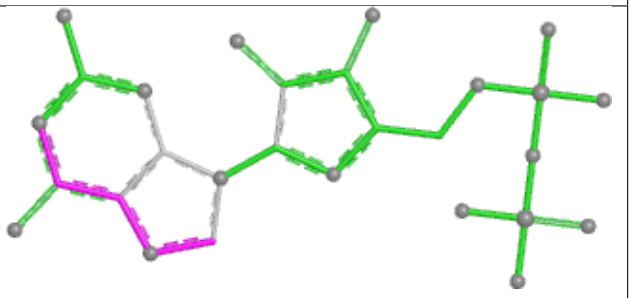
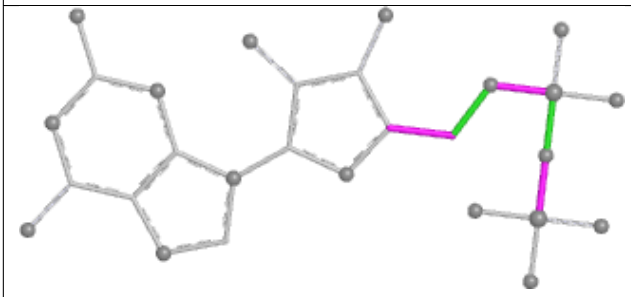
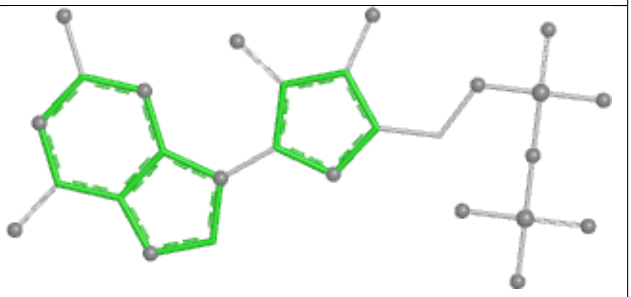
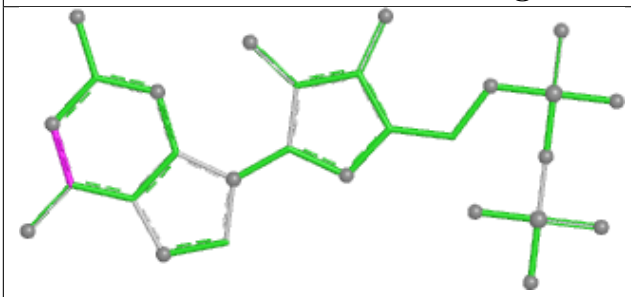
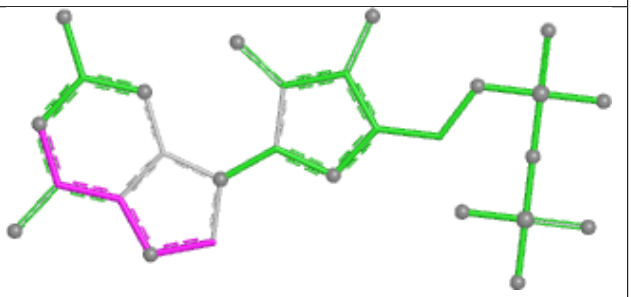
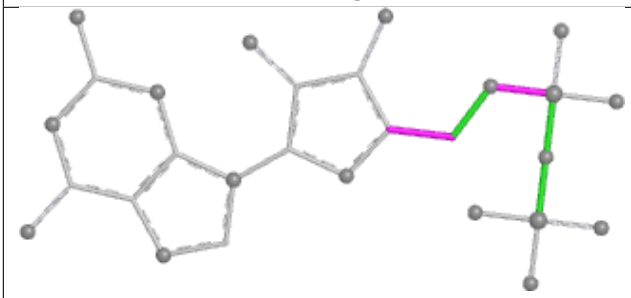
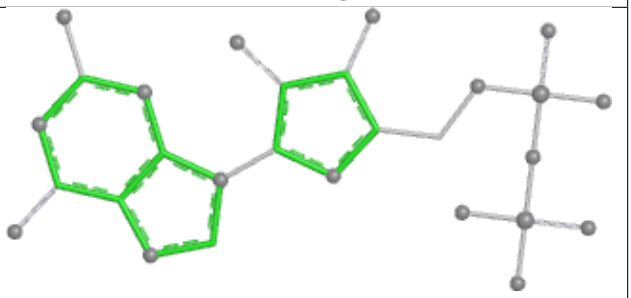


Torsions

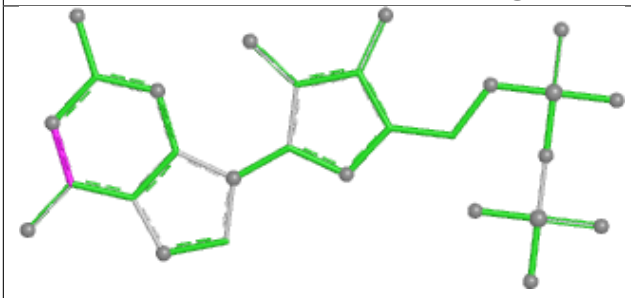


Rings

Ligand GDP Dk 502	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP Dt 502	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP EU 502



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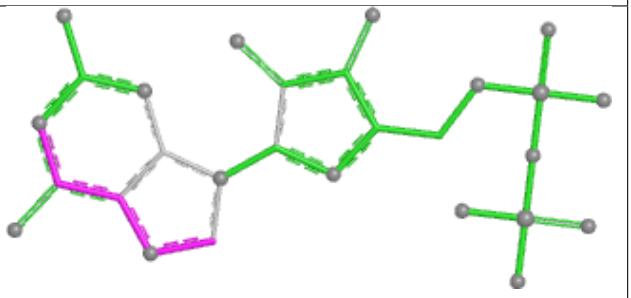

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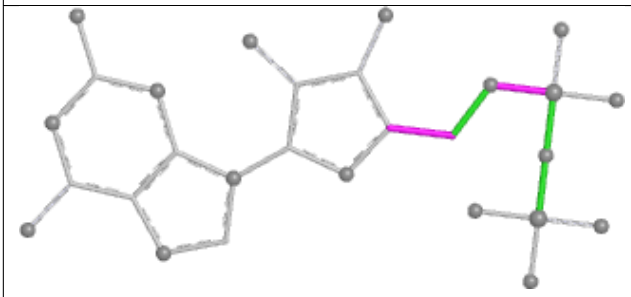

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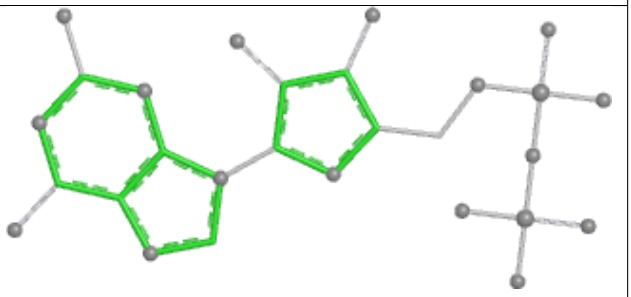
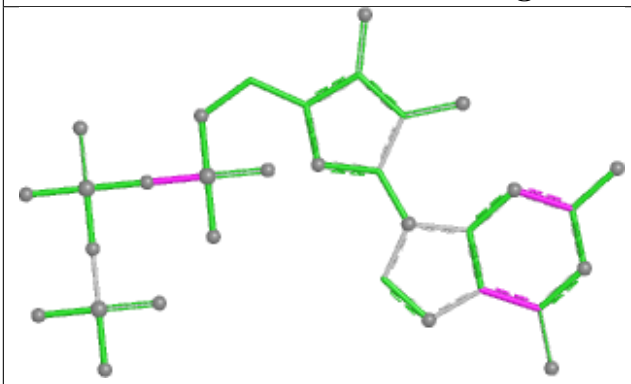


Rings

Ligand GTP LJ 501



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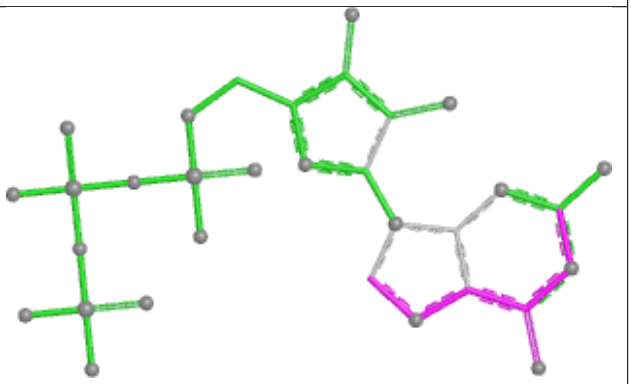

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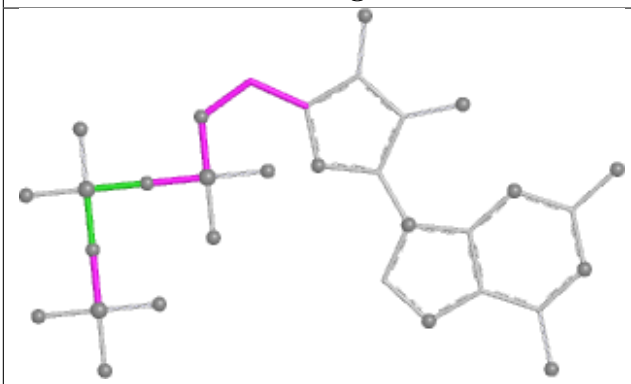

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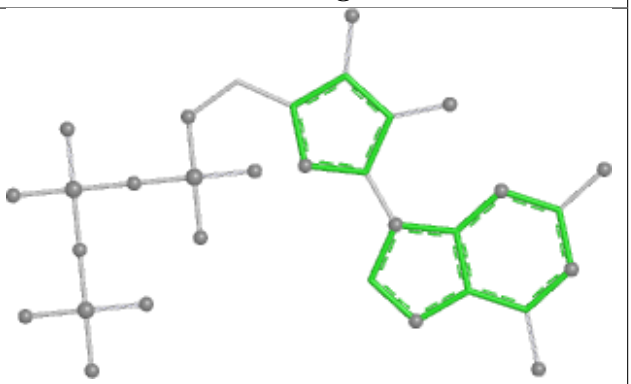
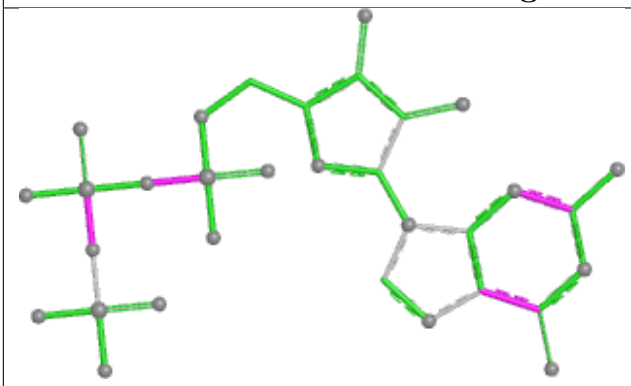


Rings

Ligand GTP 2I 501



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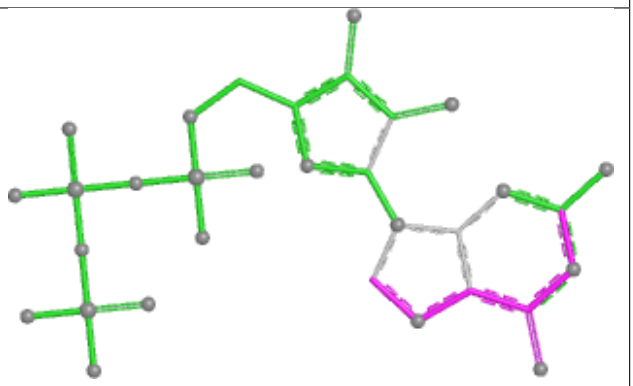

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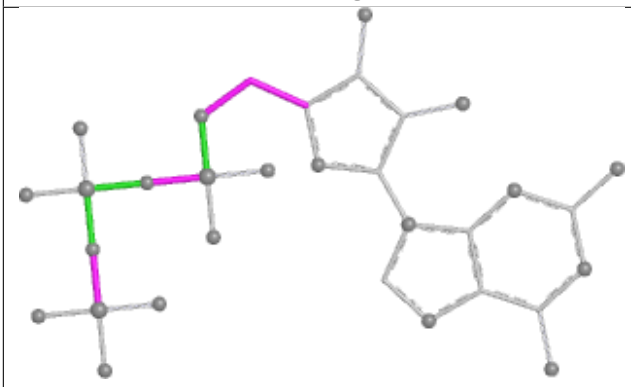

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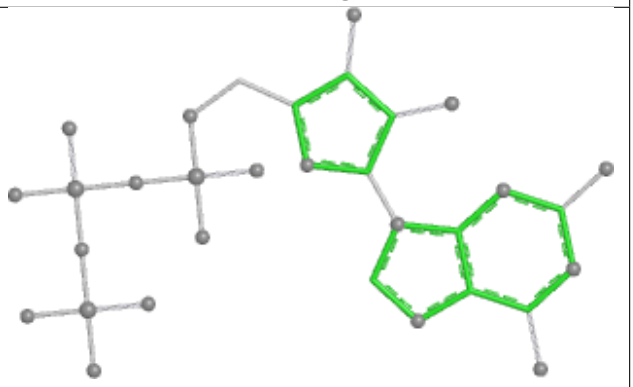
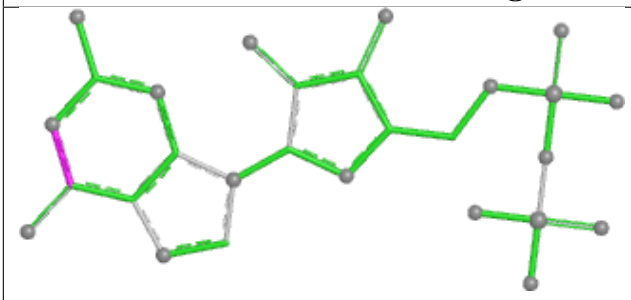


Rings

Ligand GDP GD 502



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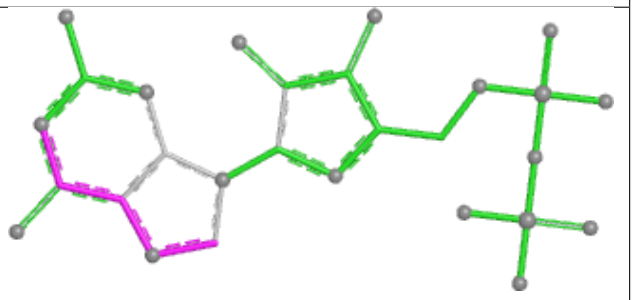

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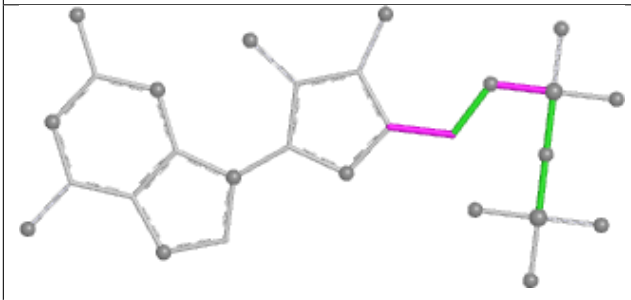

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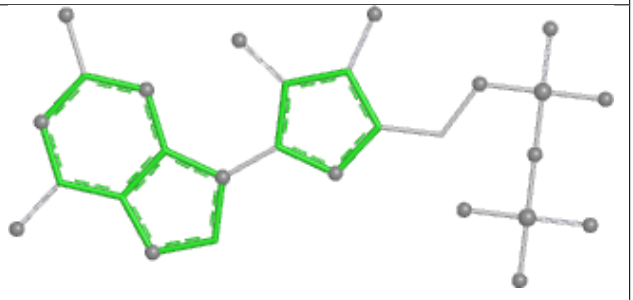
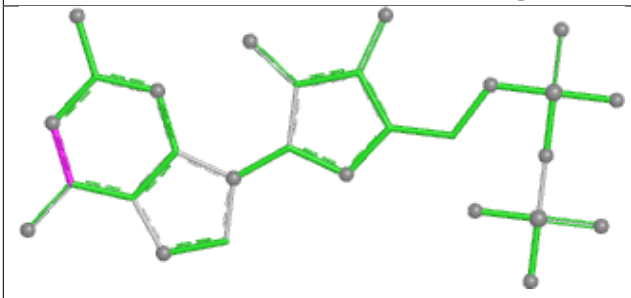
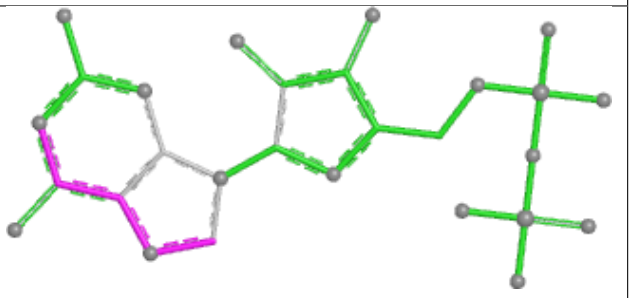
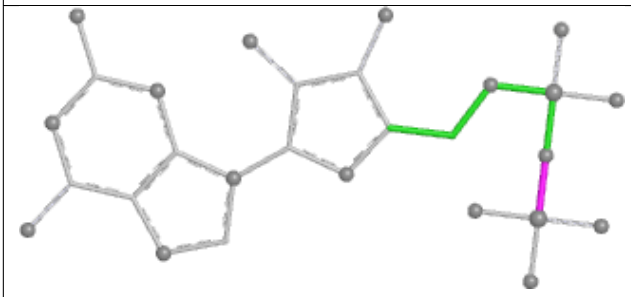
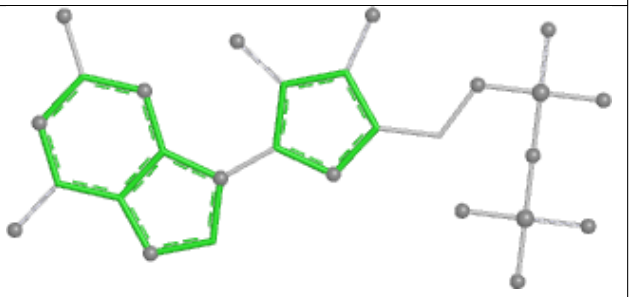


Rings

Ligand GDP Jw 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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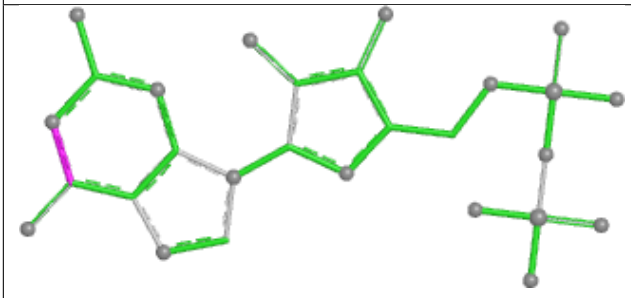
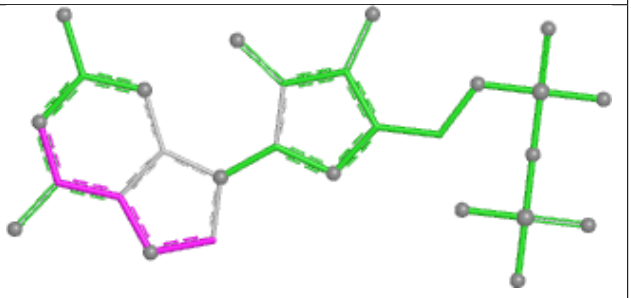
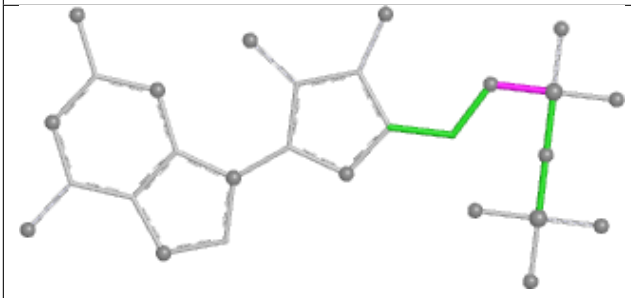
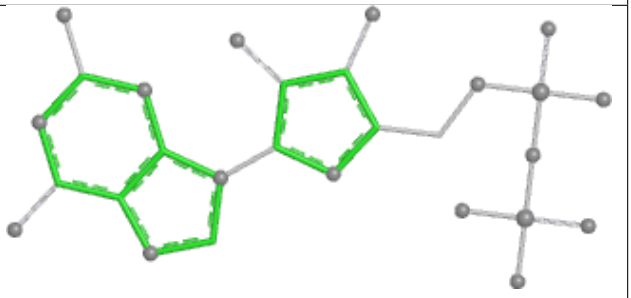
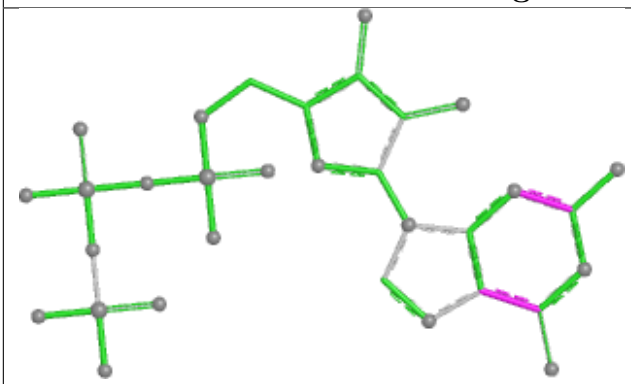
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP H2 501



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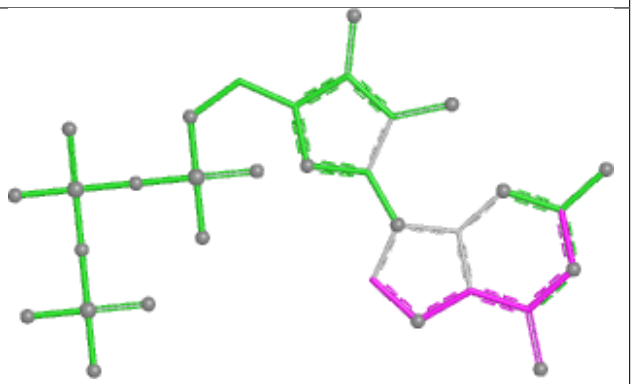

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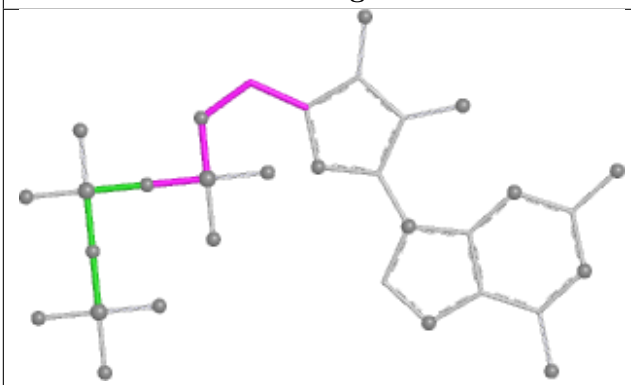

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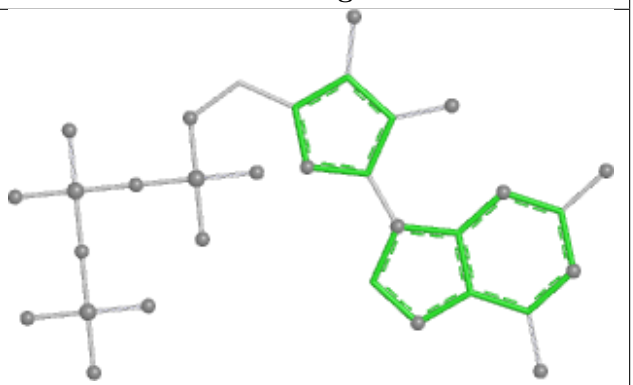
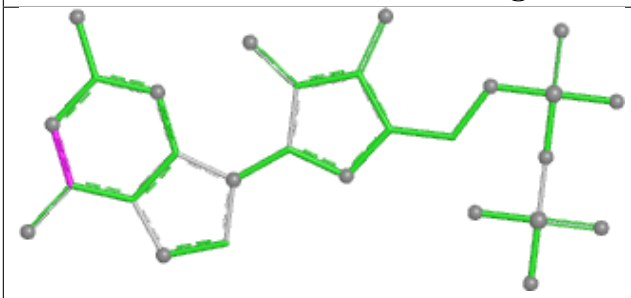


Rings

Ligand GDP FV 502



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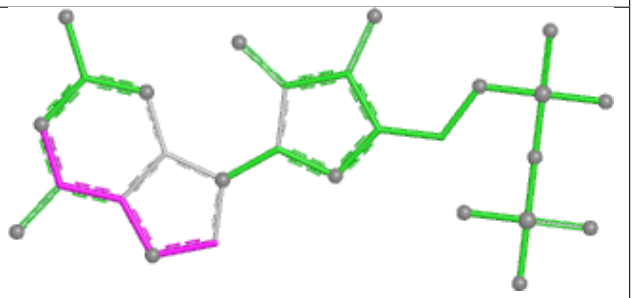

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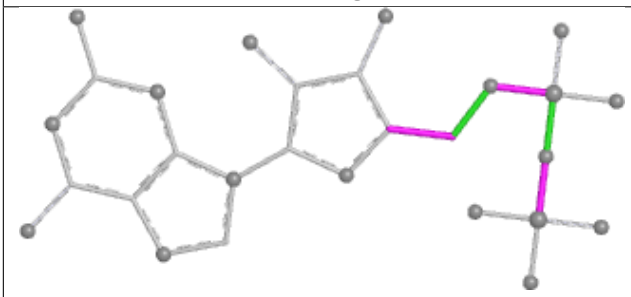

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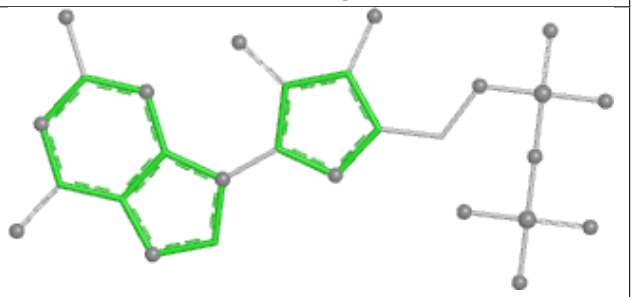

Rings

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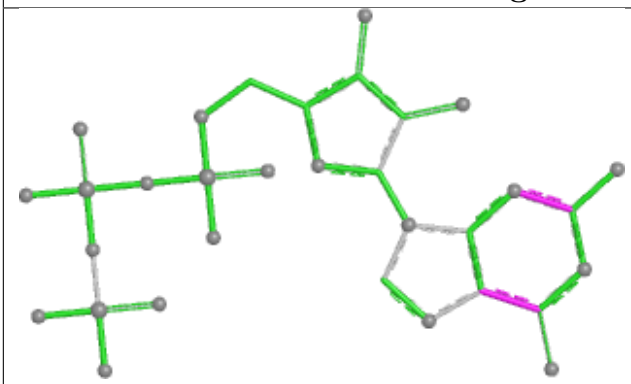

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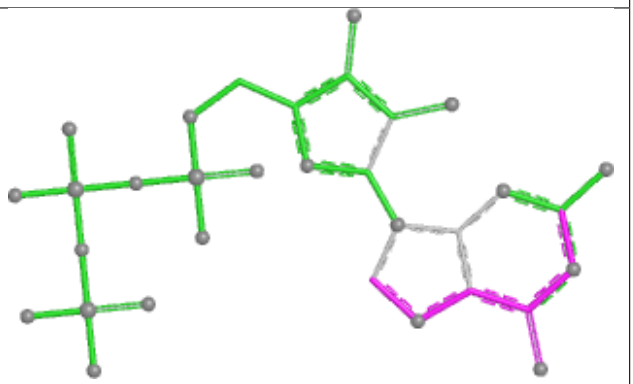

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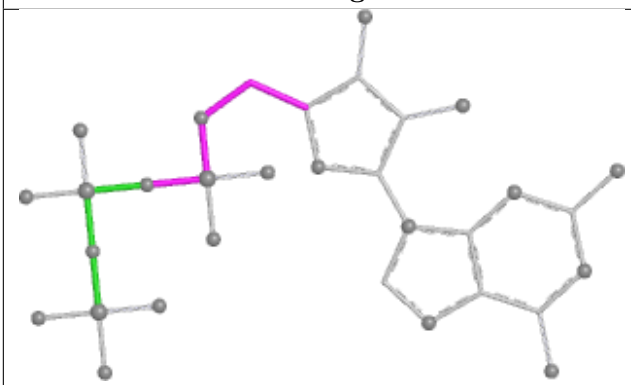

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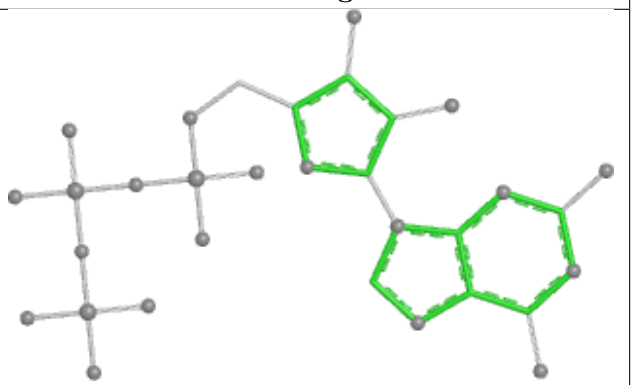

Rings

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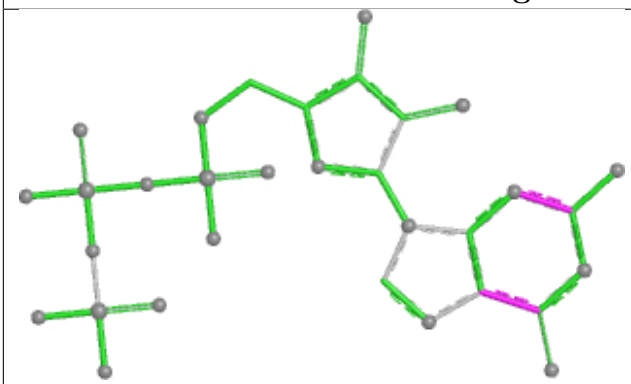

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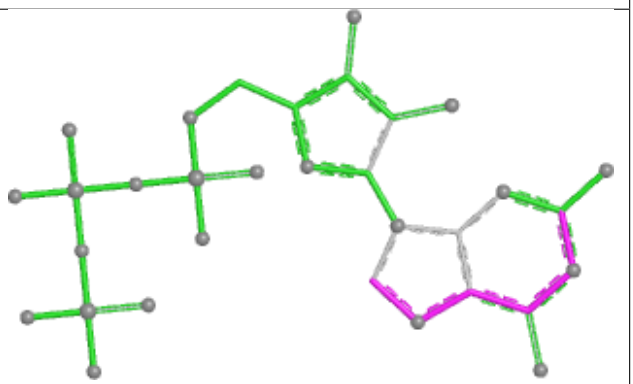

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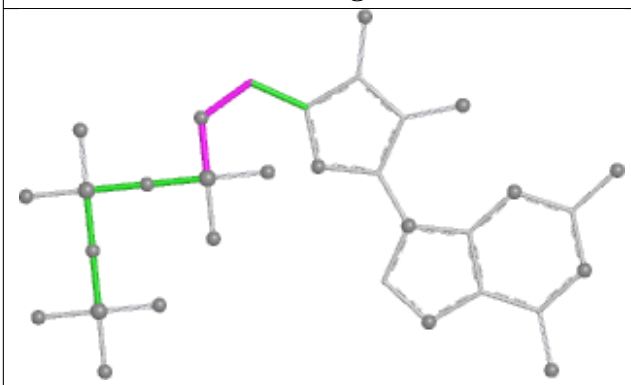

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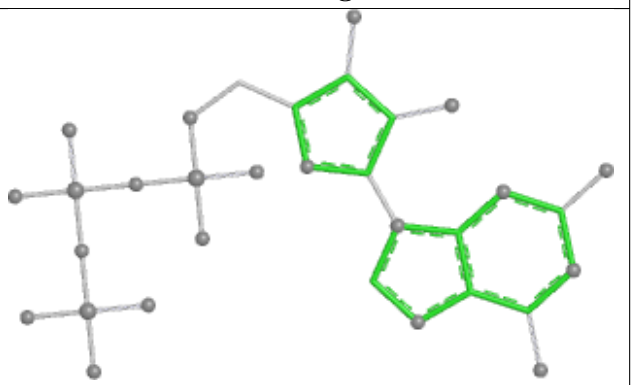
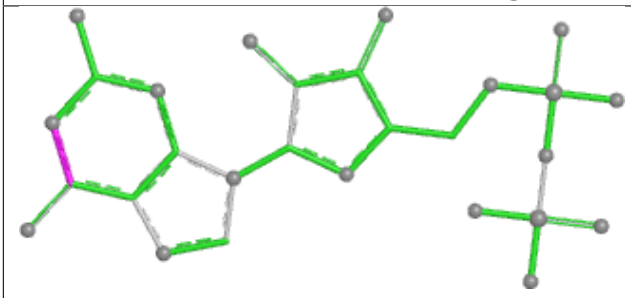
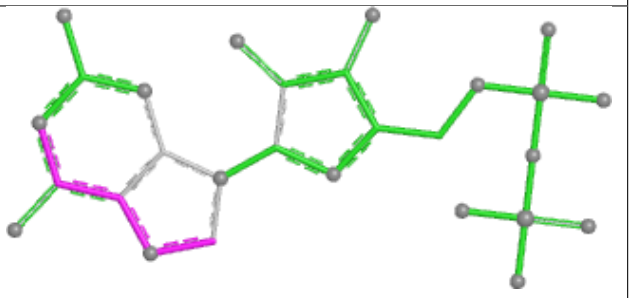
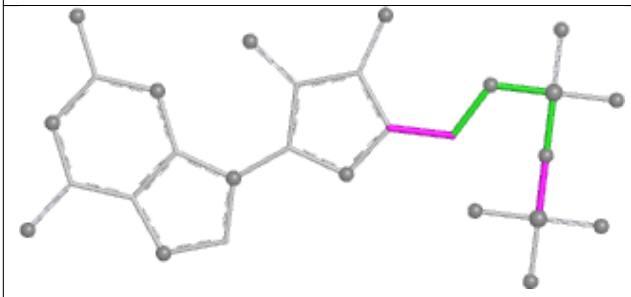
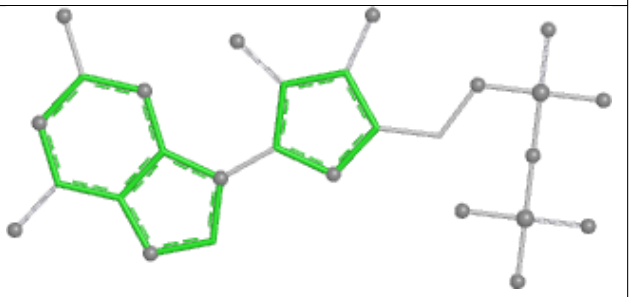


Rings

Ligand GDP MT 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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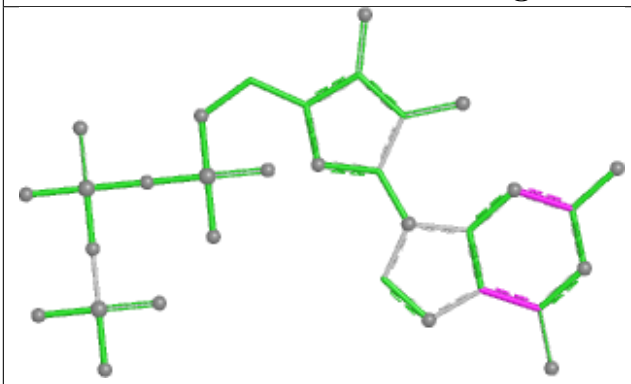
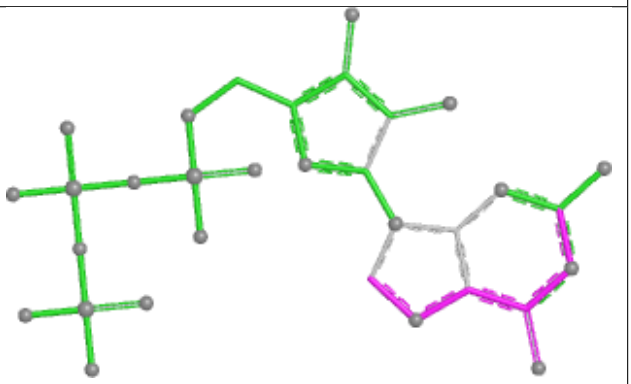
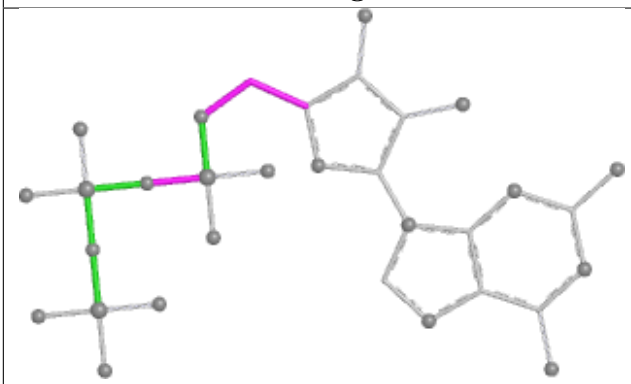
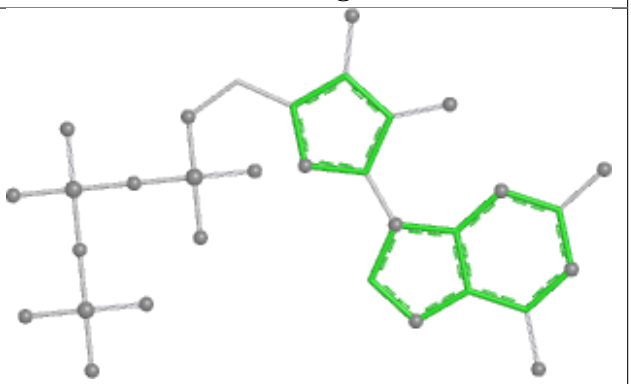
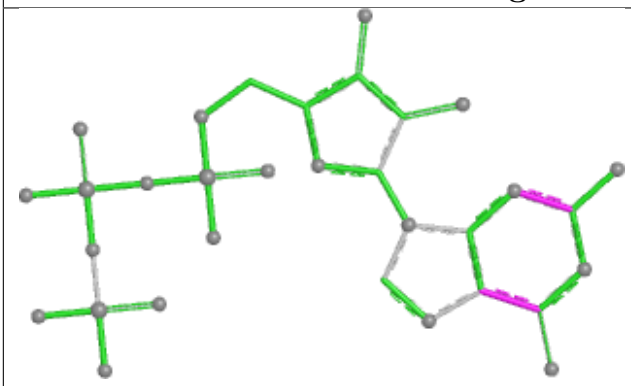
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP CU 501



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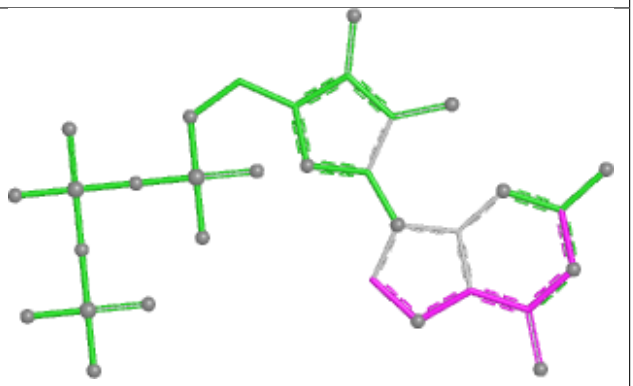

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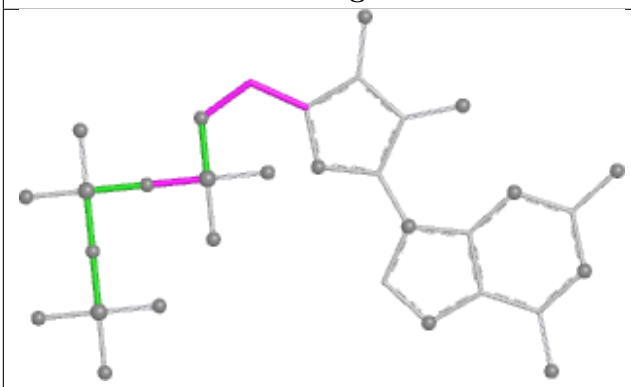

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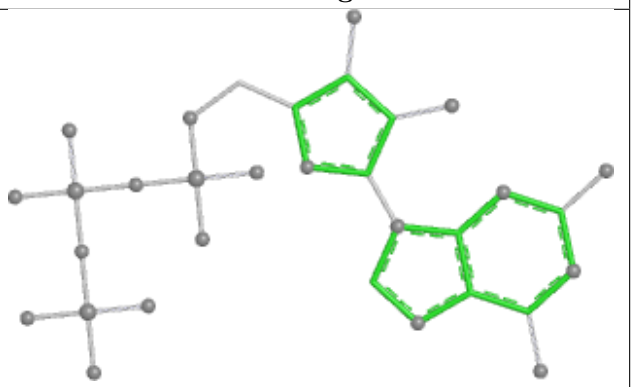
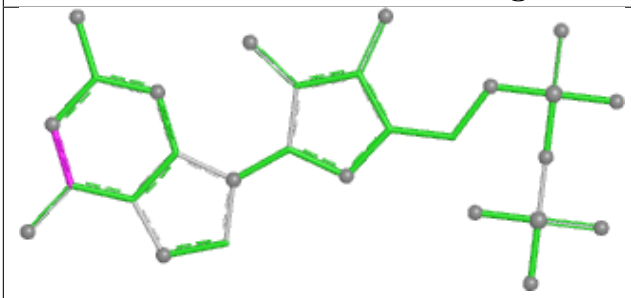


Rings

Ligand GDP CE 501



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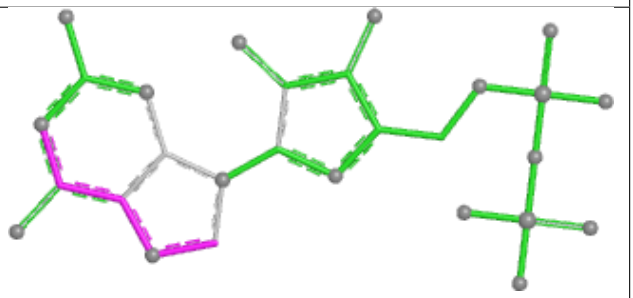

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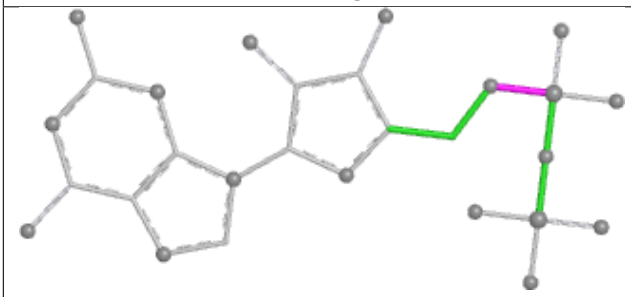

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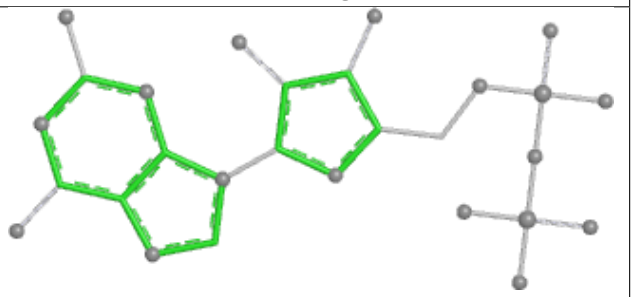

Rings

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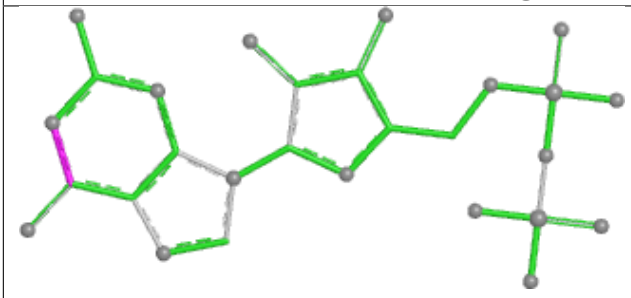	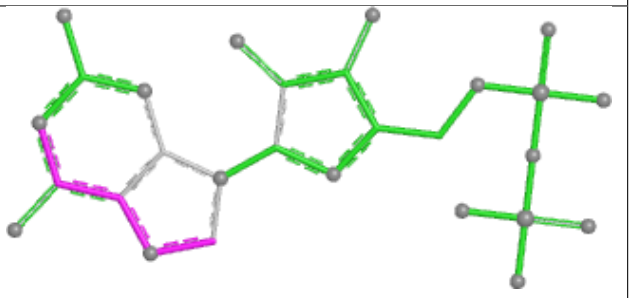
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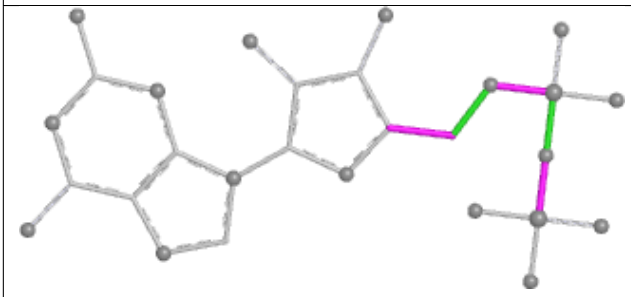	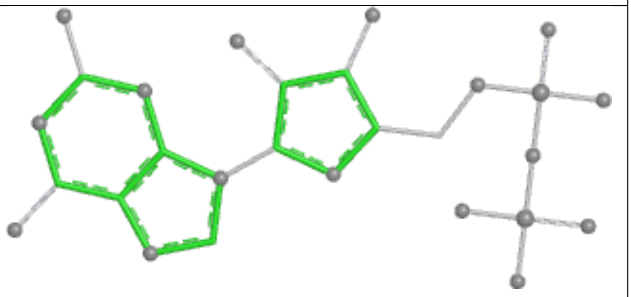
Torsions	Rings

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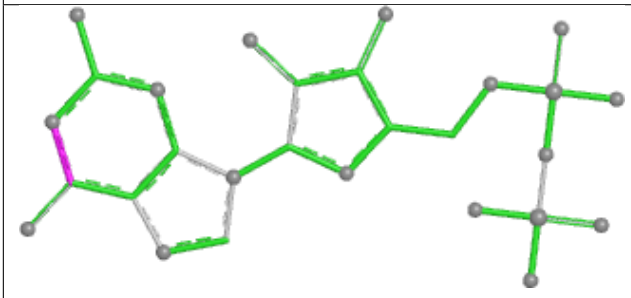	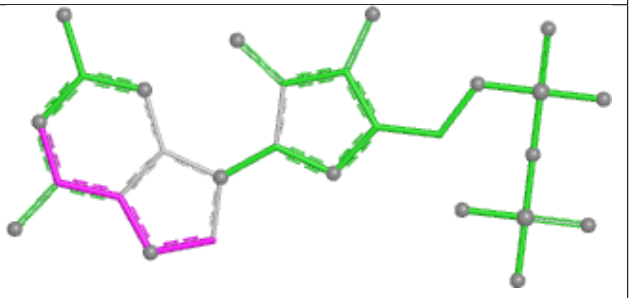
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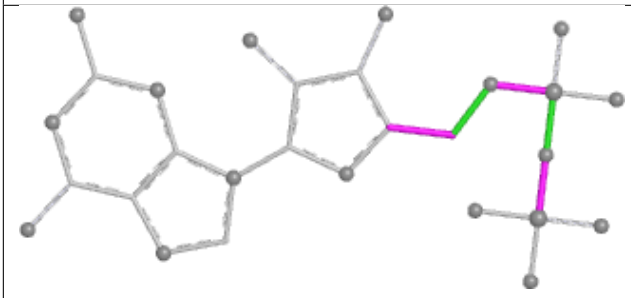
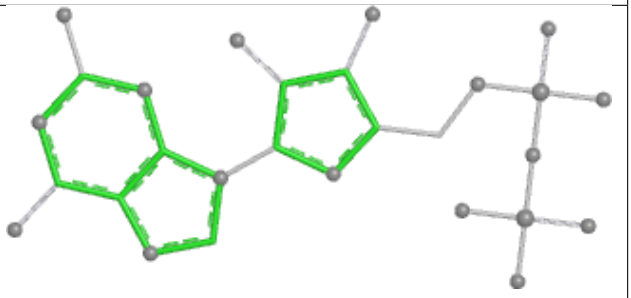
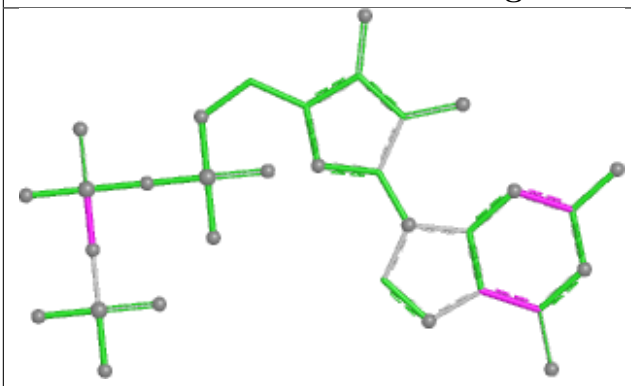
	
Torsions	Rings

Ligand GTP MV 501



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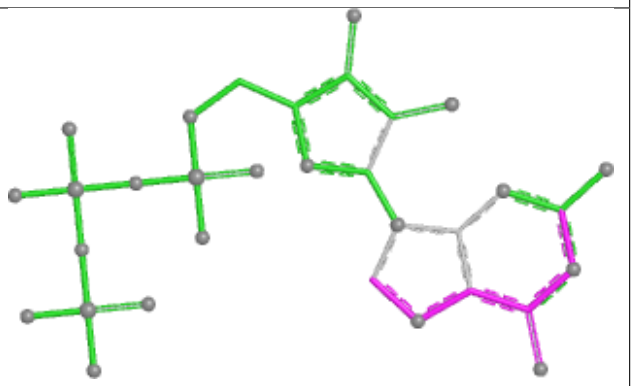

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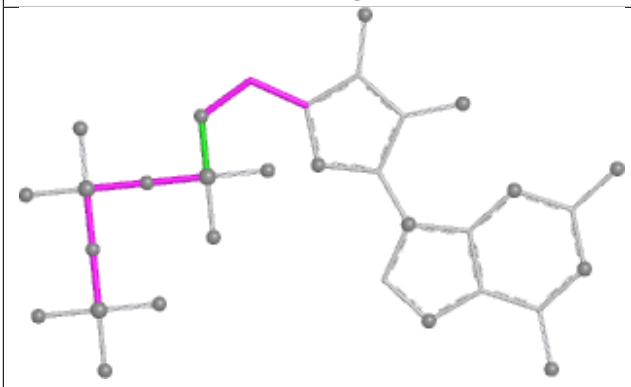

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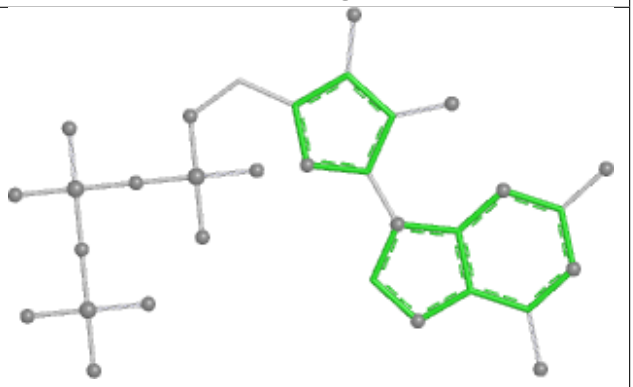

Rings

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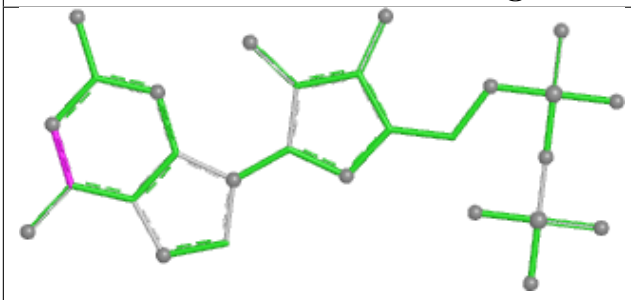

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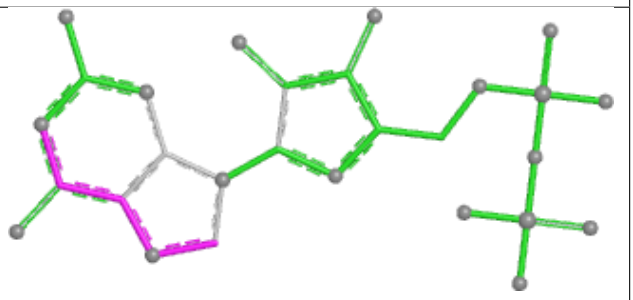

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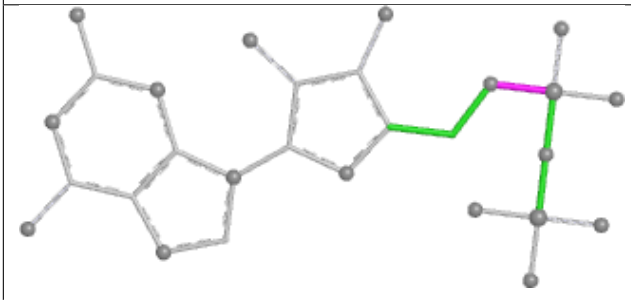

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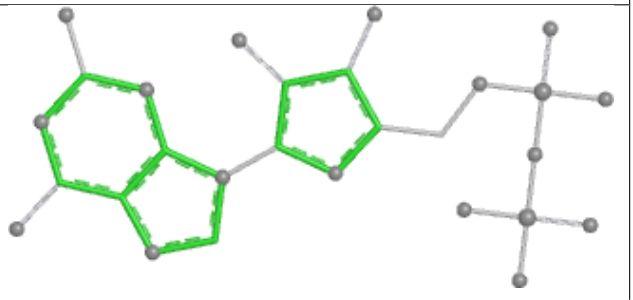

Rings

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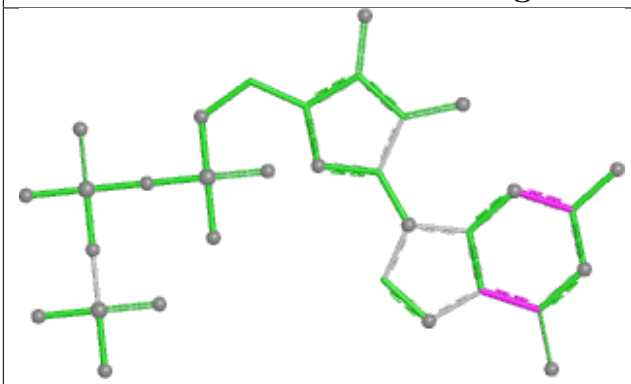

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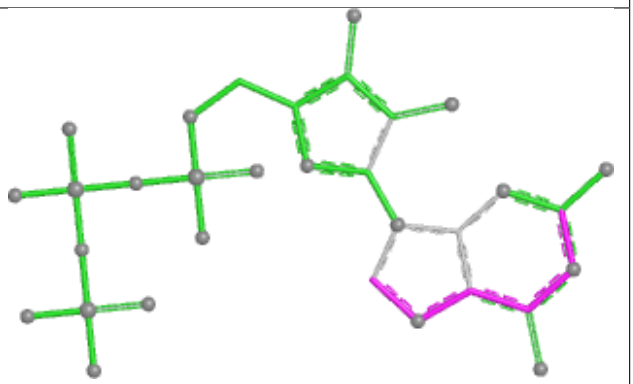

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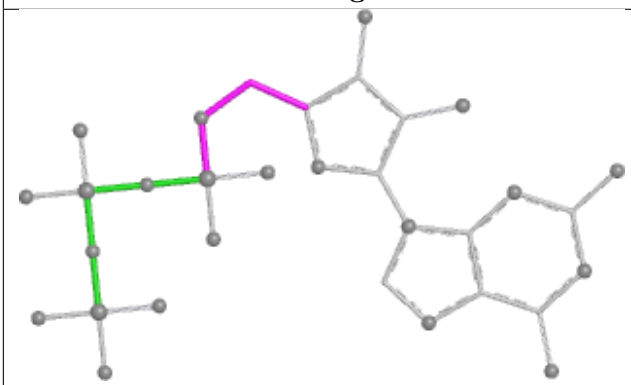

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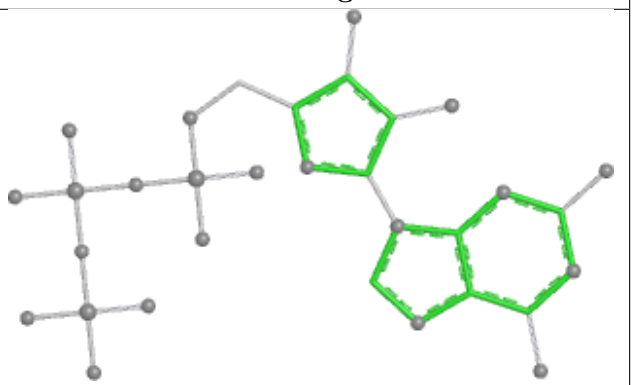

Rings

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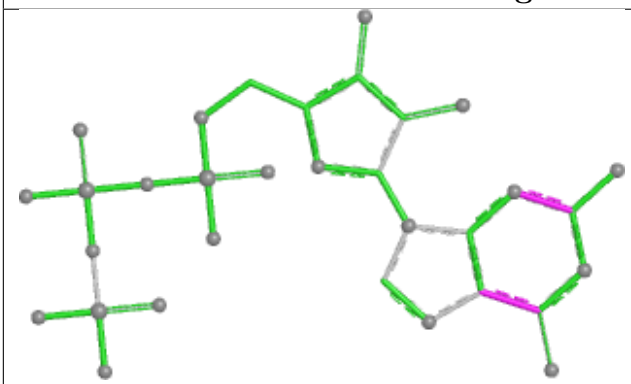

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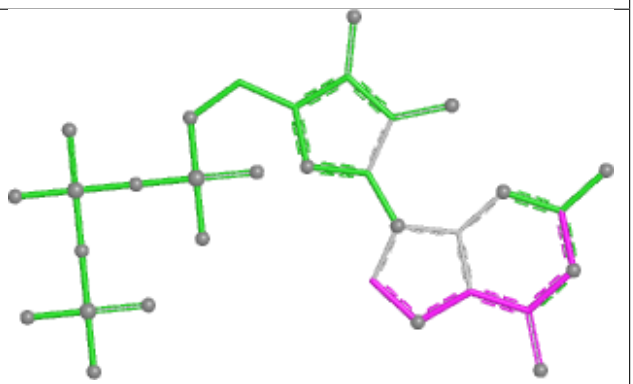

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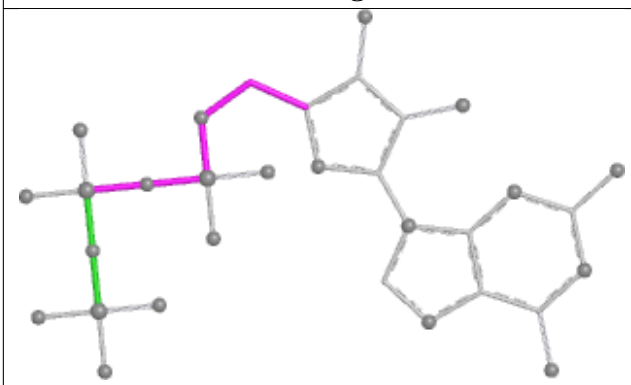

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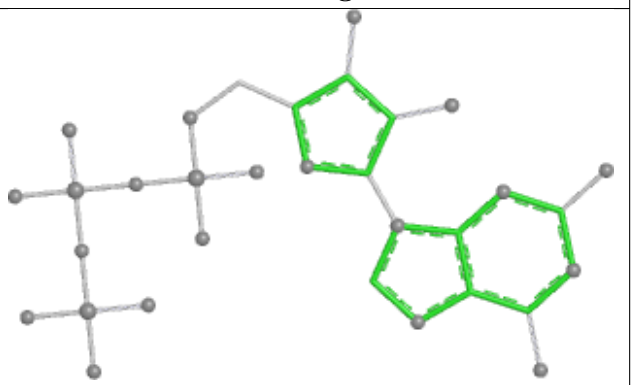

Rings

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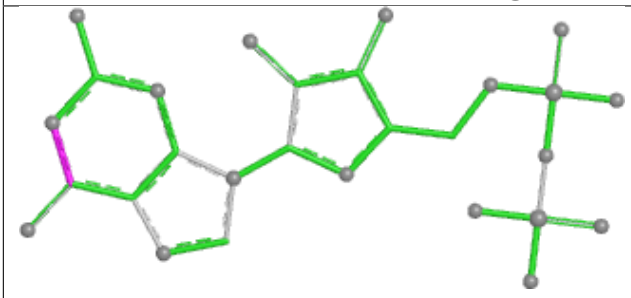
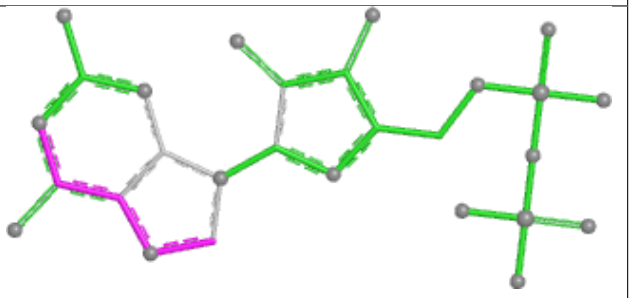
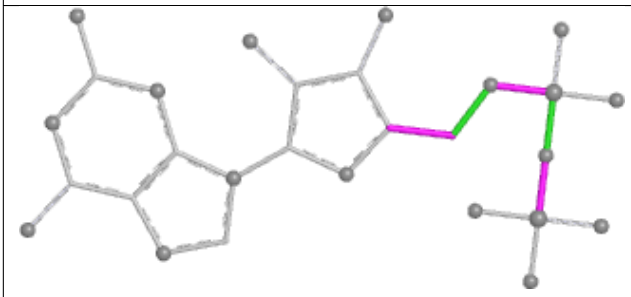
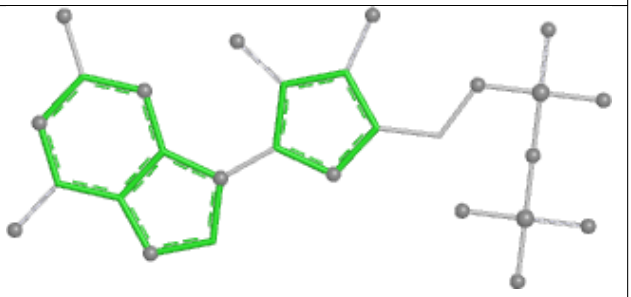
 Bond lengths	 Bond angles
 Torsions	 Rings

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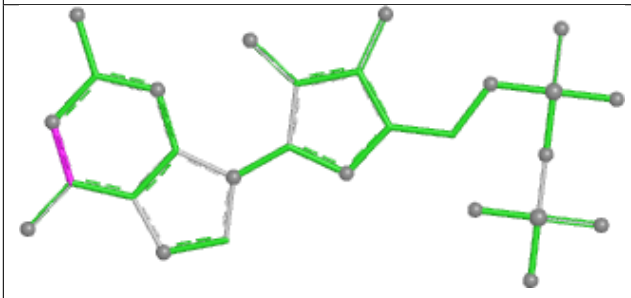
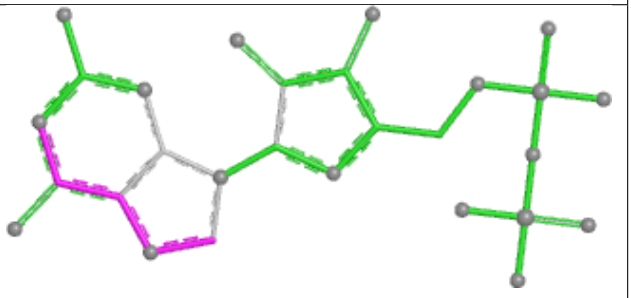
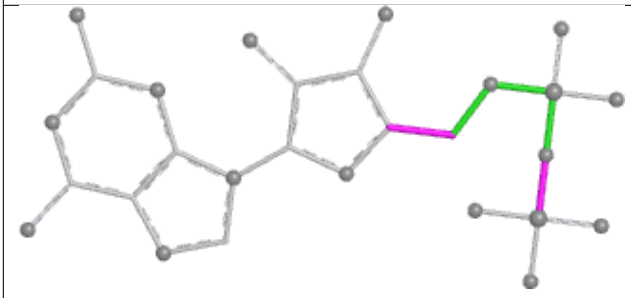
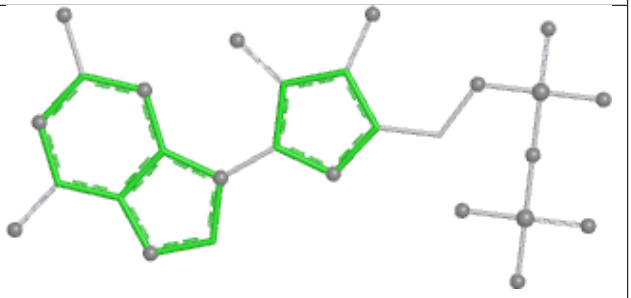
 Bond lengths	 Bond angles
 Torsions	 Rings

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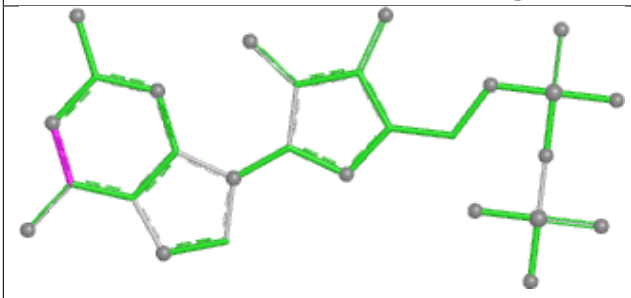
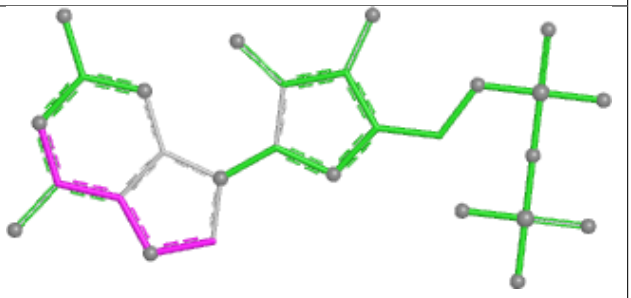
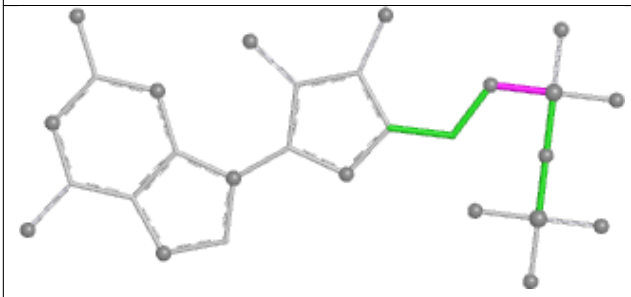
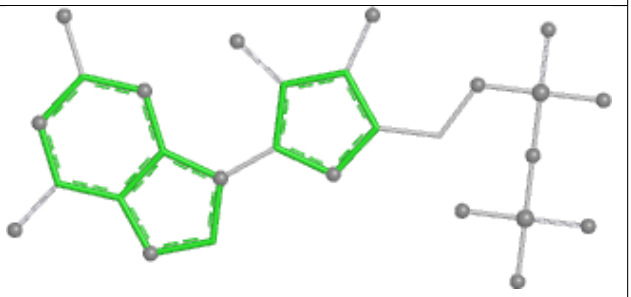
 Bond lengths	 Bond angles
 Torsions	 Rings

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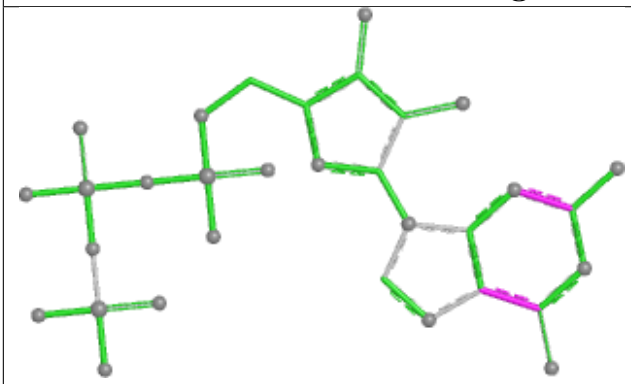
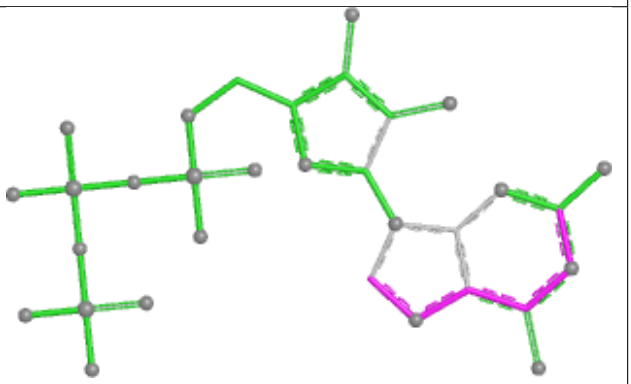
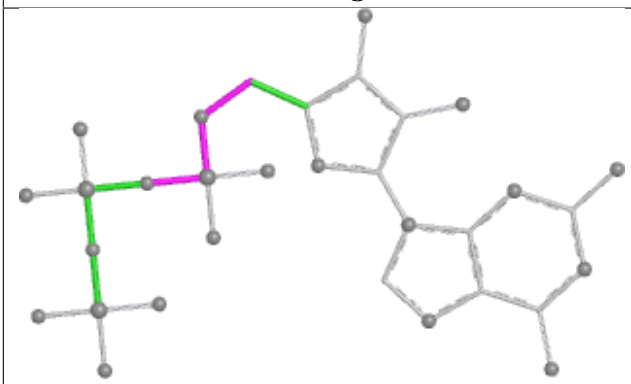
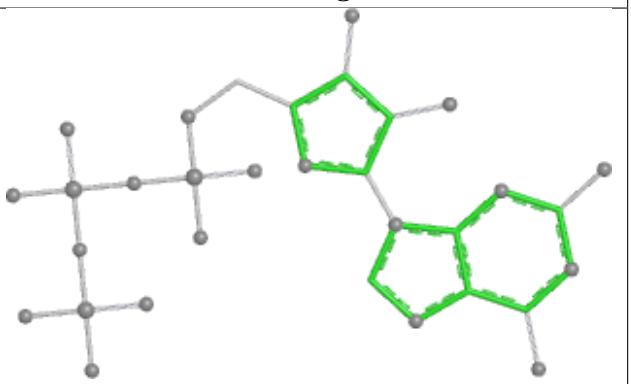
 Bond lengths	 Bond angles
 Torsions	 Rings

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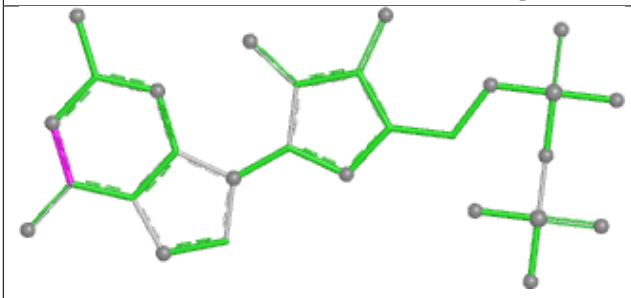
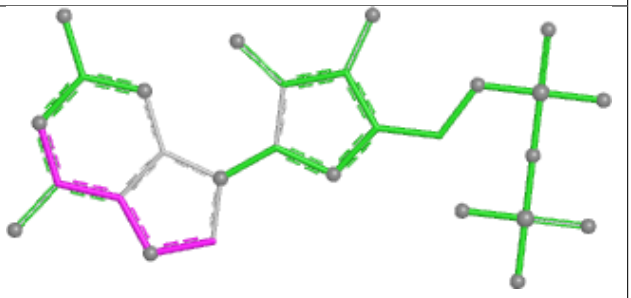
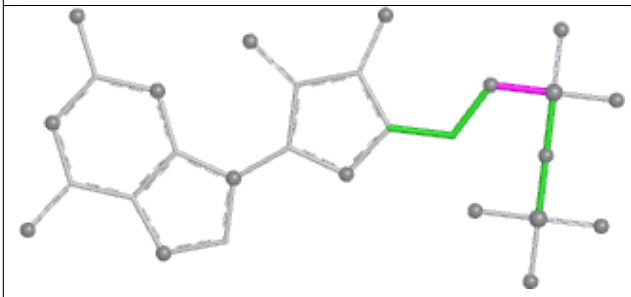
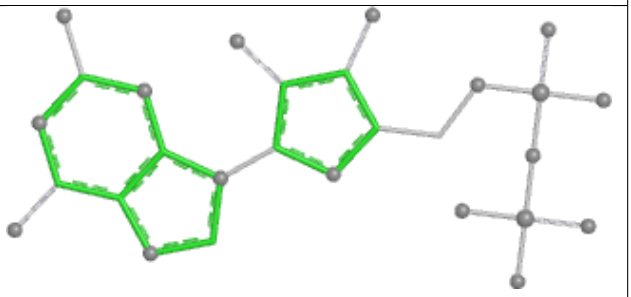
 Bond lengths	 Bond angles
 Torsions	 Rings

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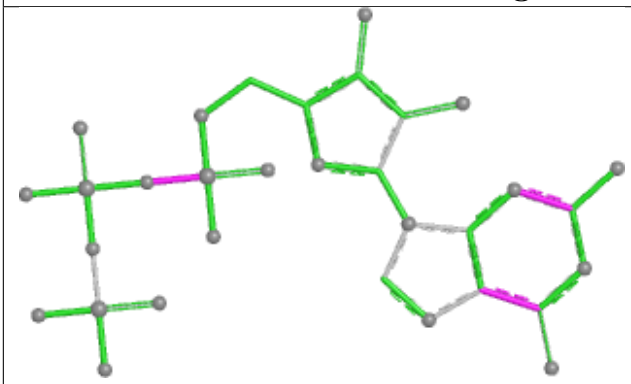
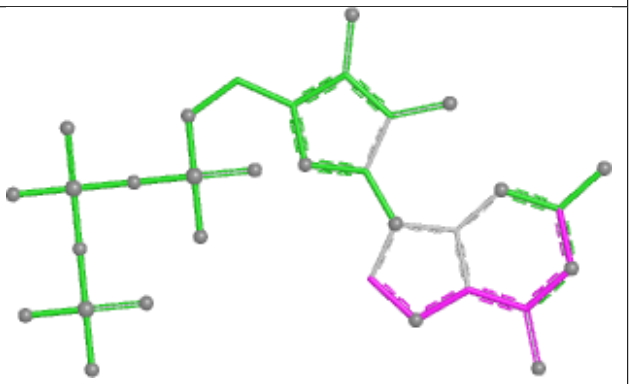
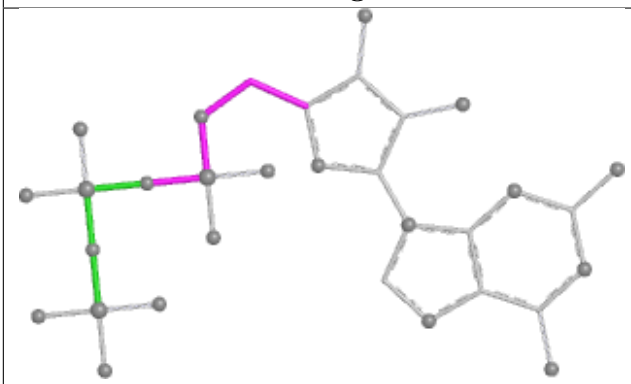
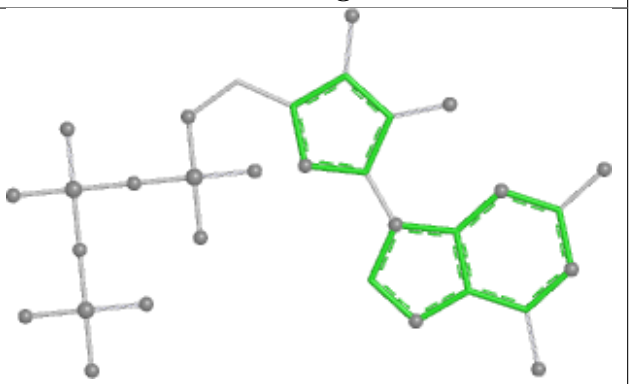
 Bond lengths	 Bond angles
 Torsions	 Rings

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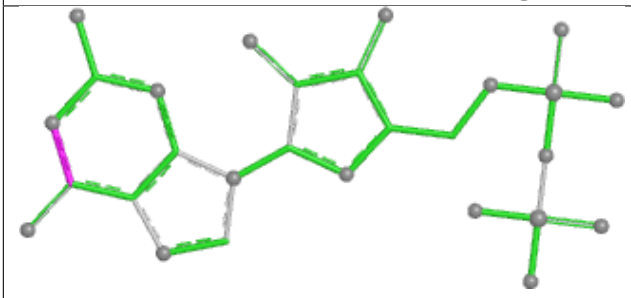
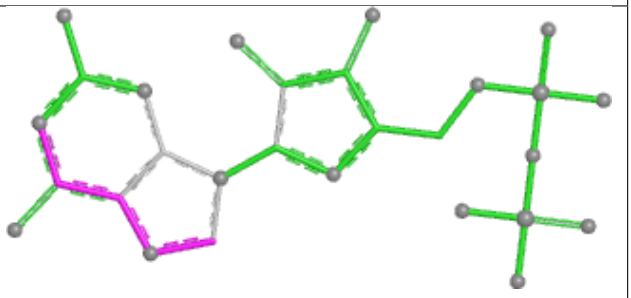
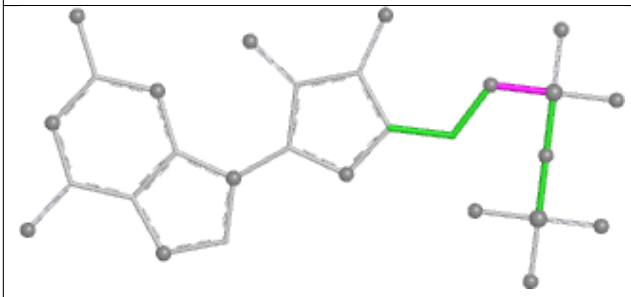
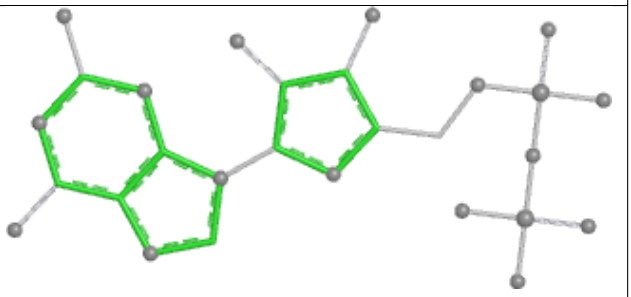
 Bond lengths	 Bond angles
 Torsions	 Rings

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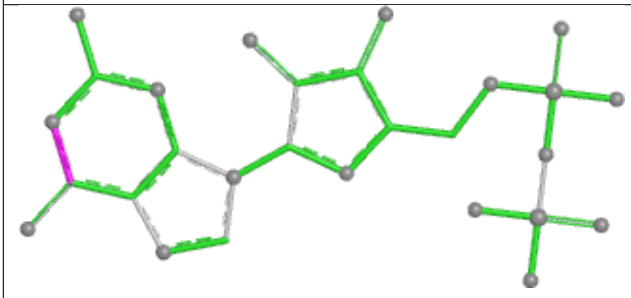
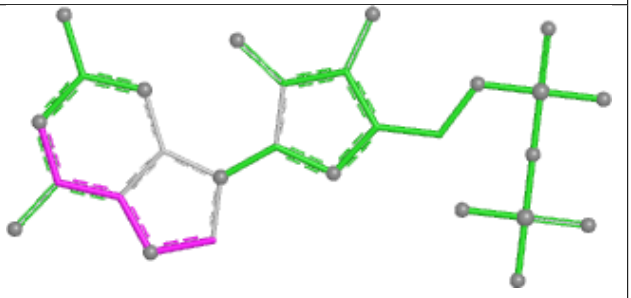
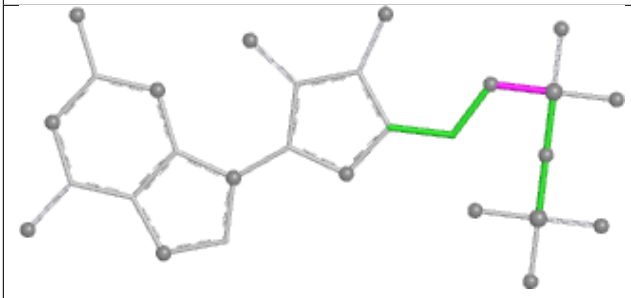
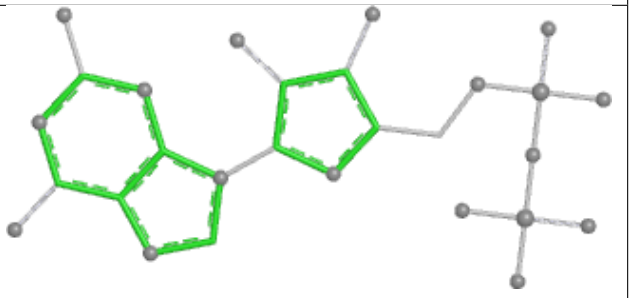
 Bond lengths	 Bond angles
 Torsions	 Rings

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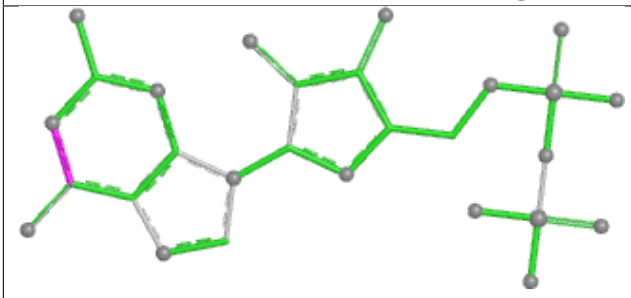	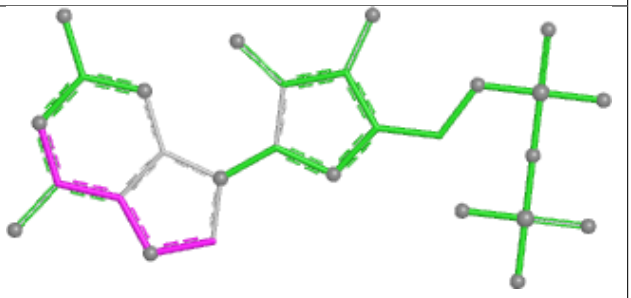
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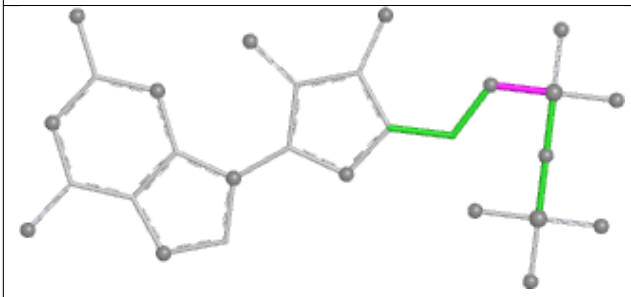	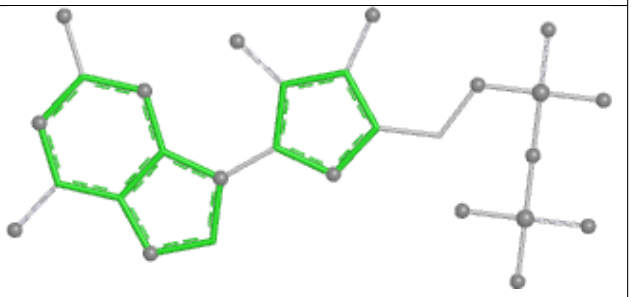
Torsions	Rings

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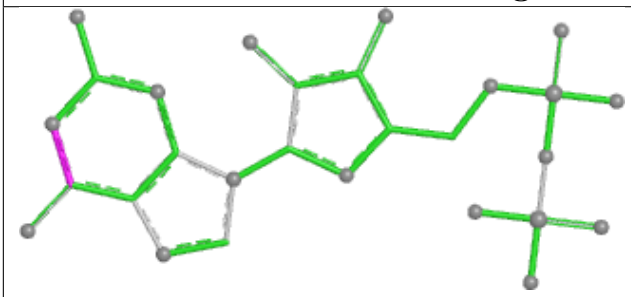	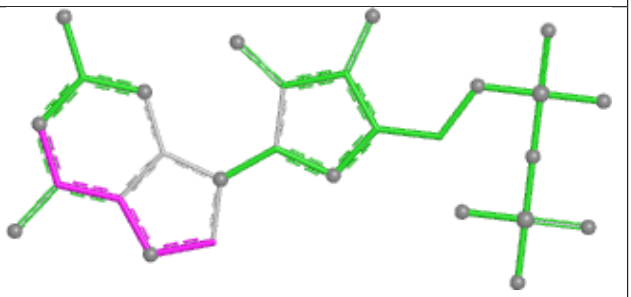
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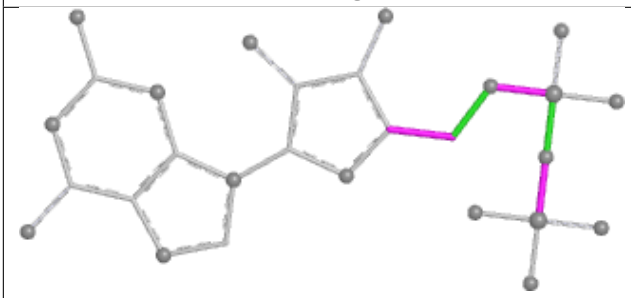
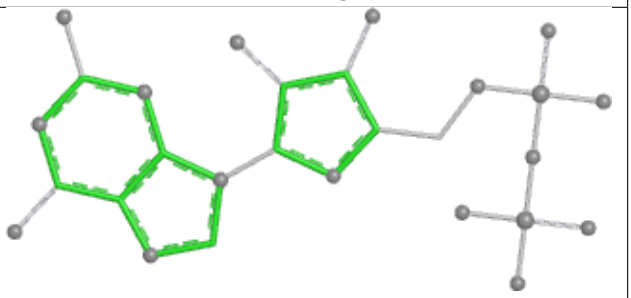
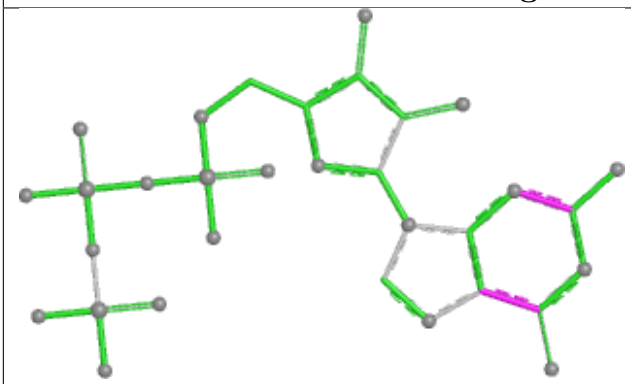
	
Torsions	Rings

Ligand GTP 0I 502



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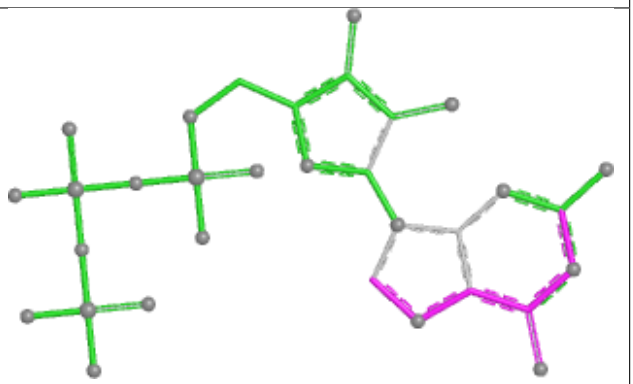

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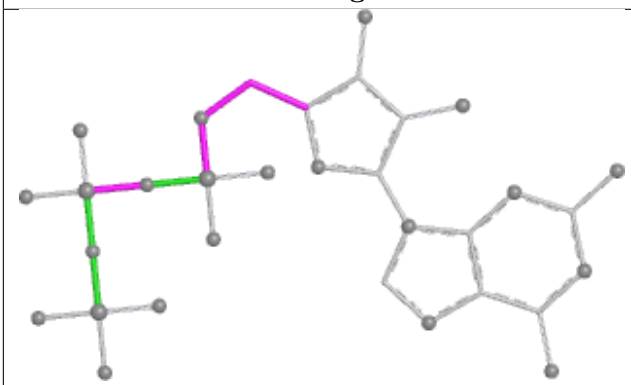

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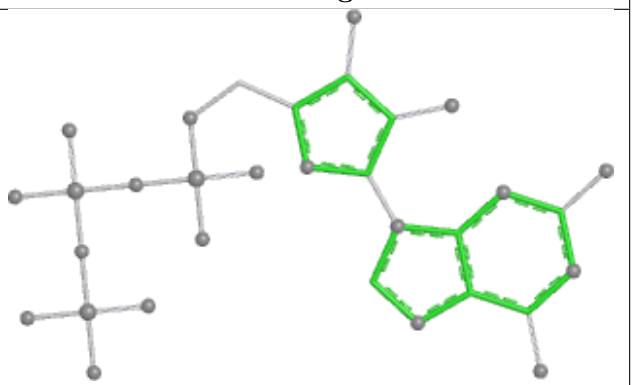

Rings

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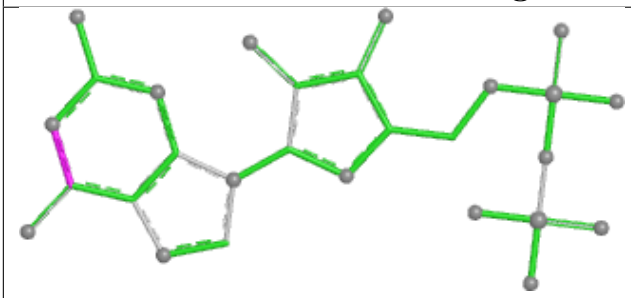

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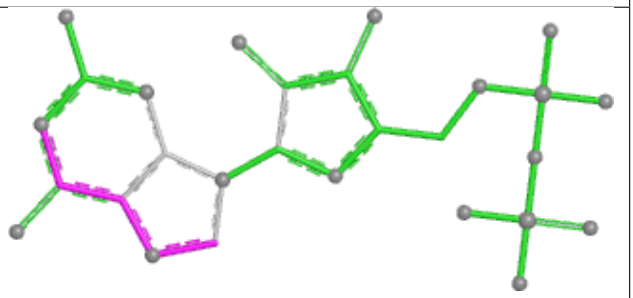

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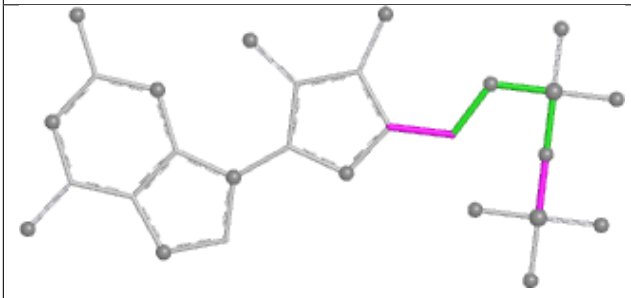

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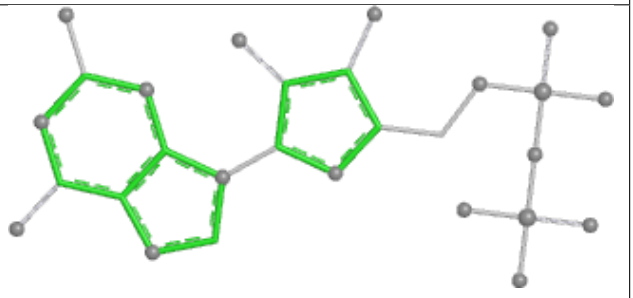

Rings

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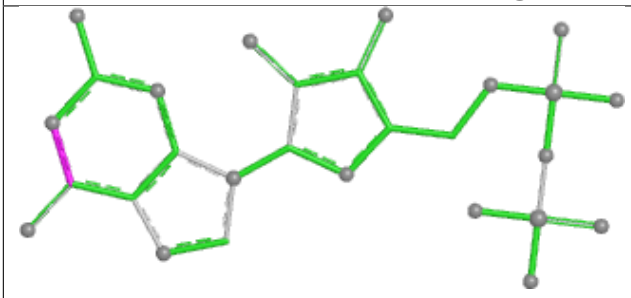
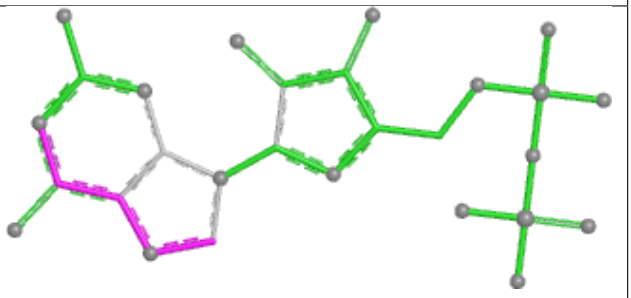
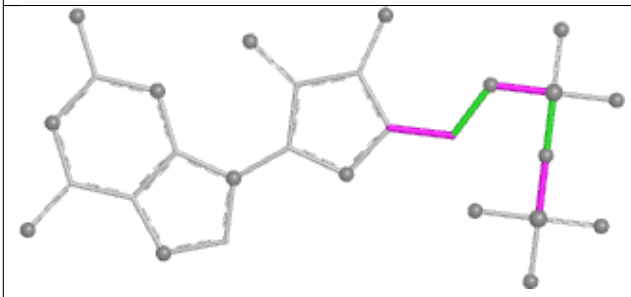
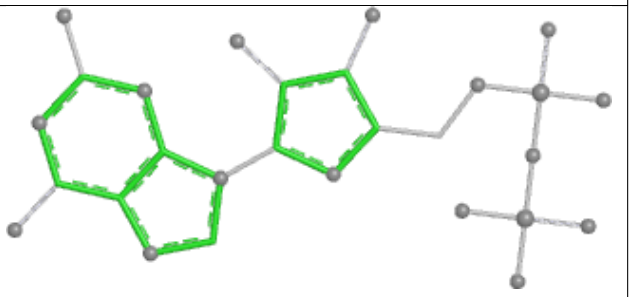
 Bond lengths	 Bond angles
 Torsions	 Rings

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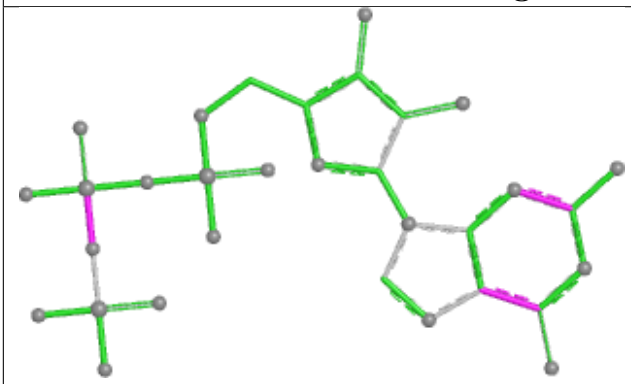
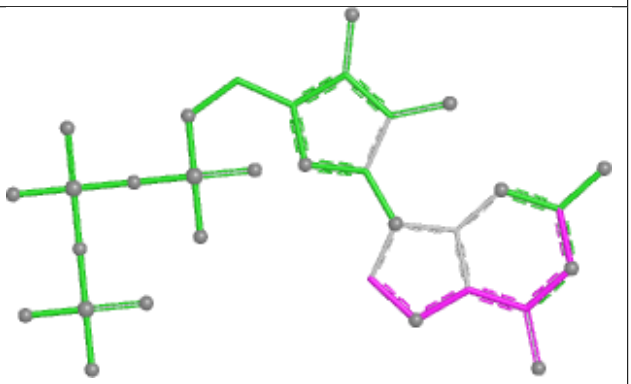
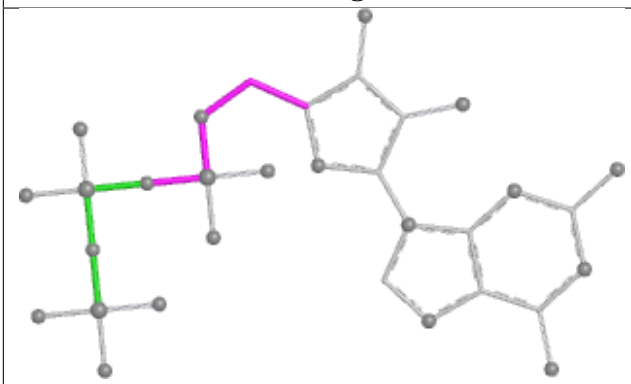
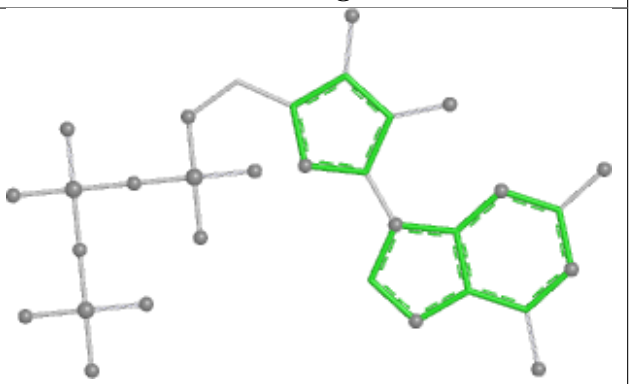
 Bond lengths	 Bond angles
 Torsions	 Rings

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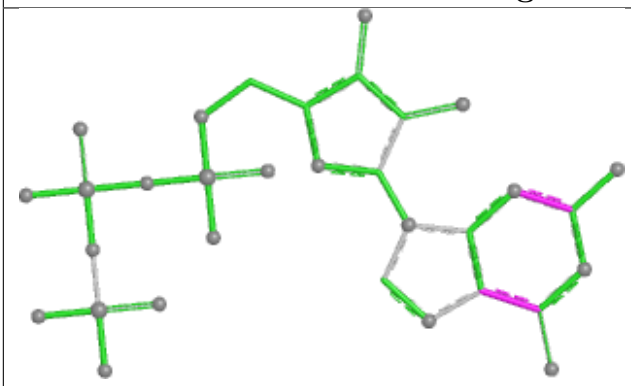

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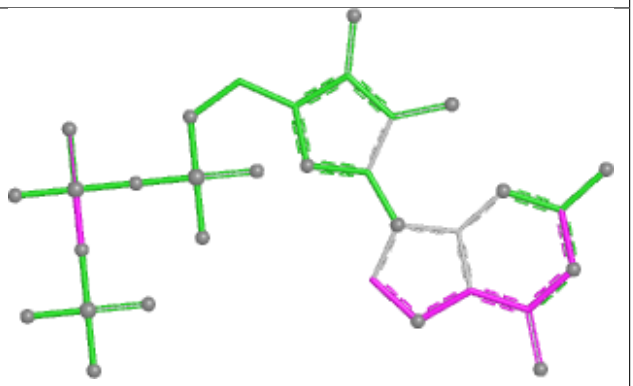

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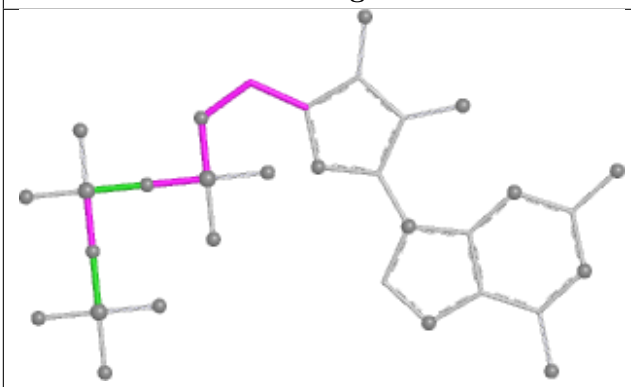

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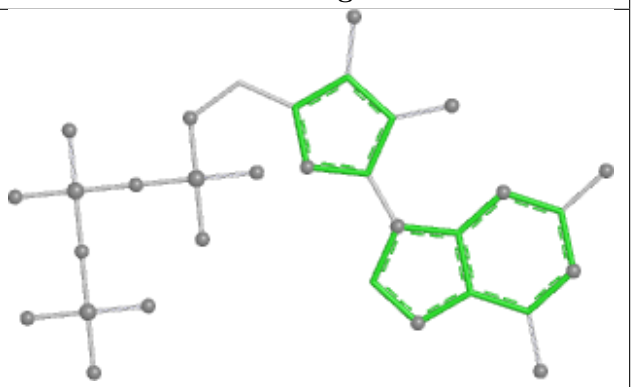

Rings

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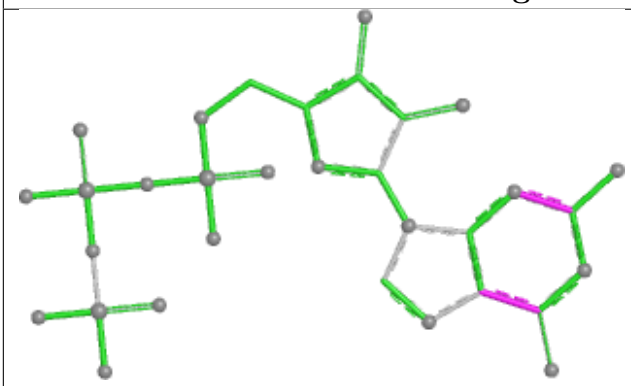

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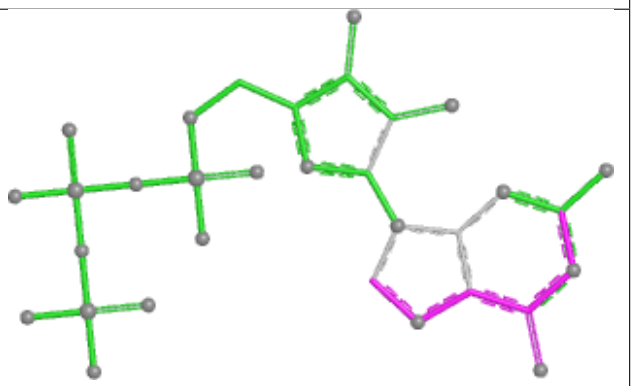

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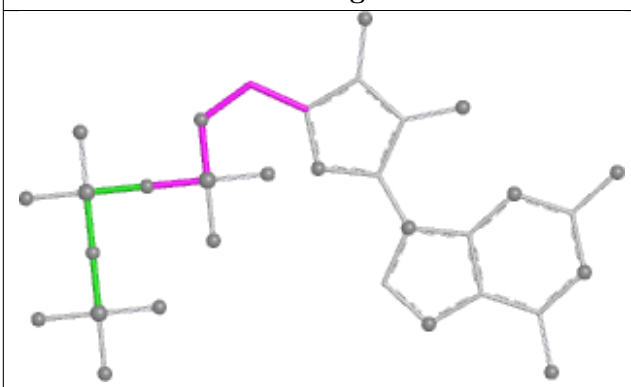

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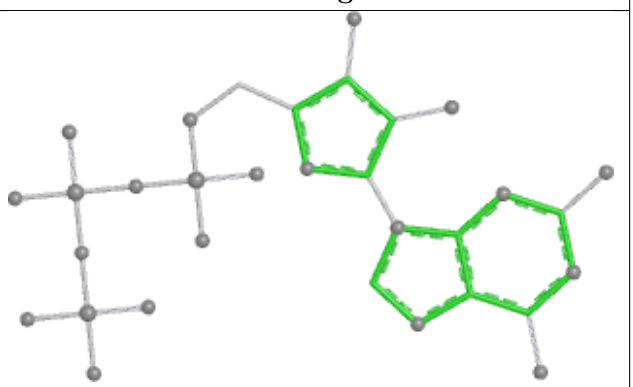

Rings

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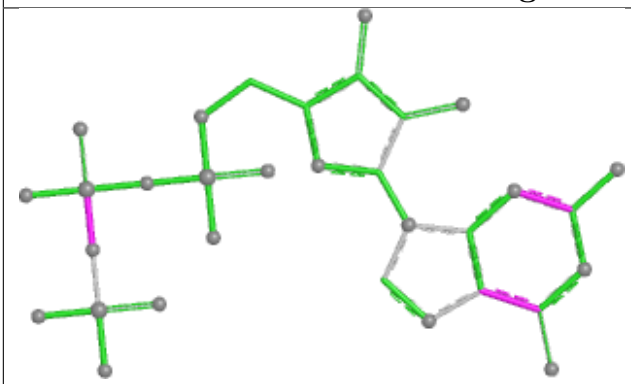

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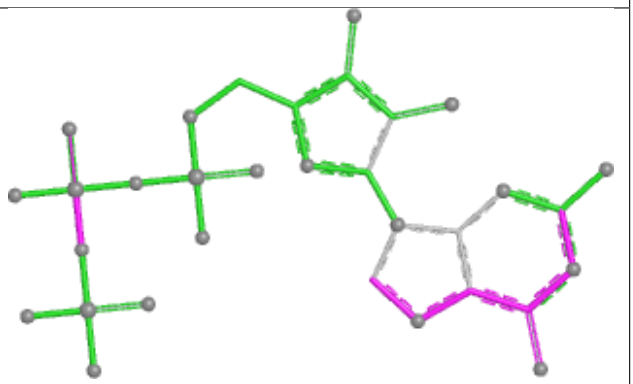

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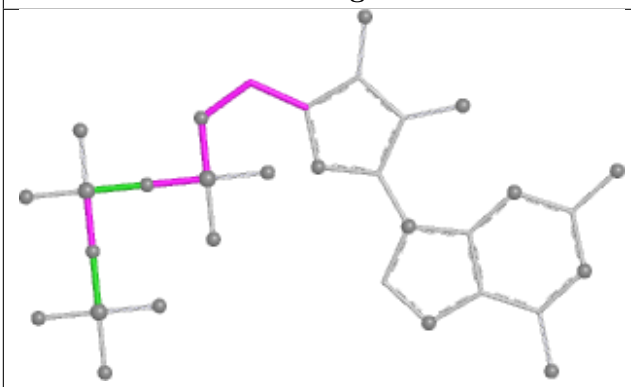

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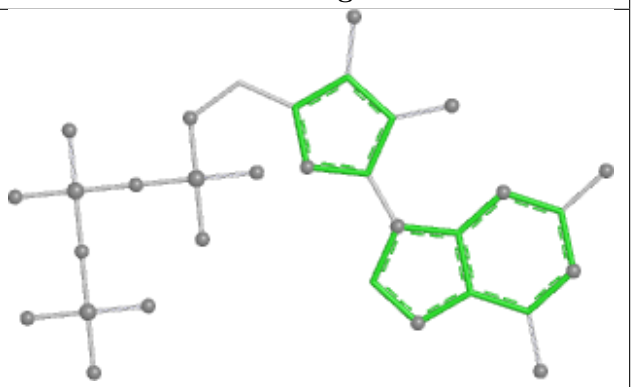
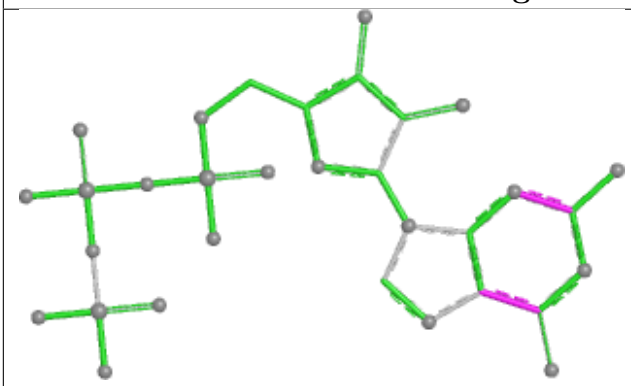


Rings

Ligand GTP K0 501



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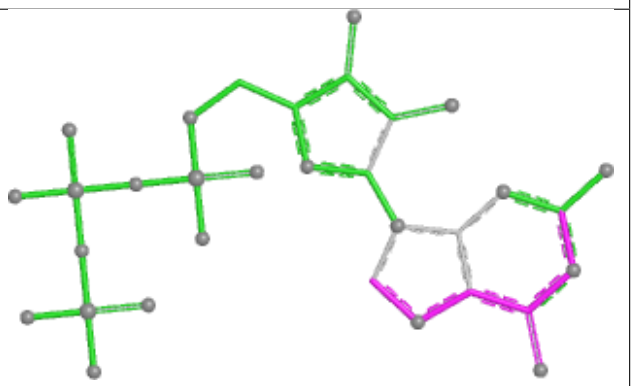

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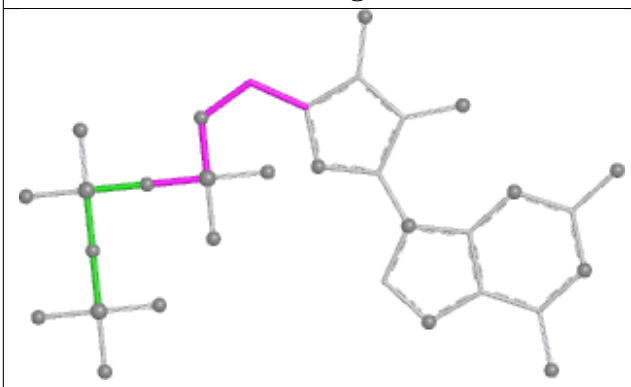

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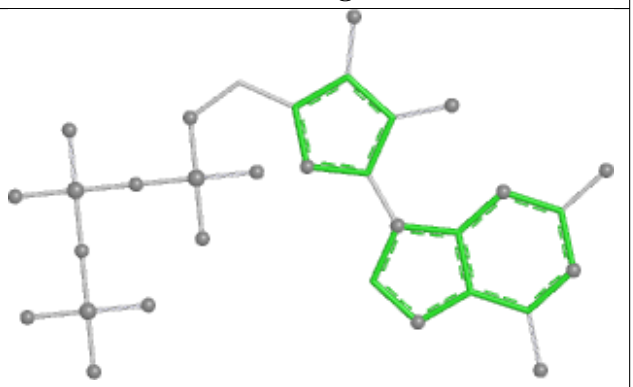

Rings

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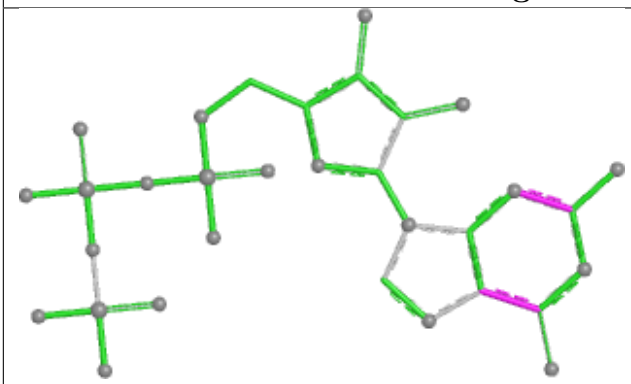

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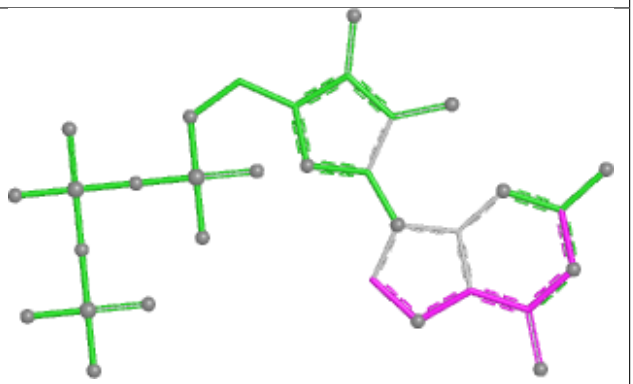
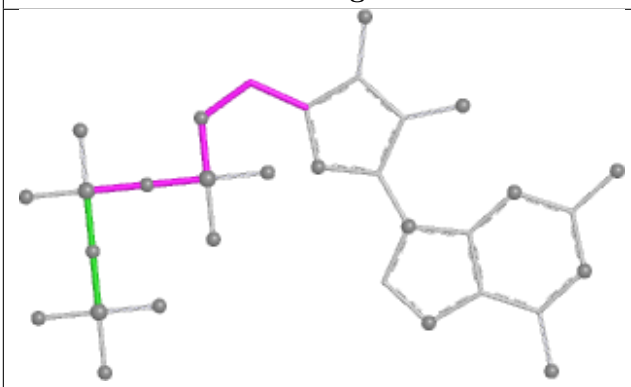
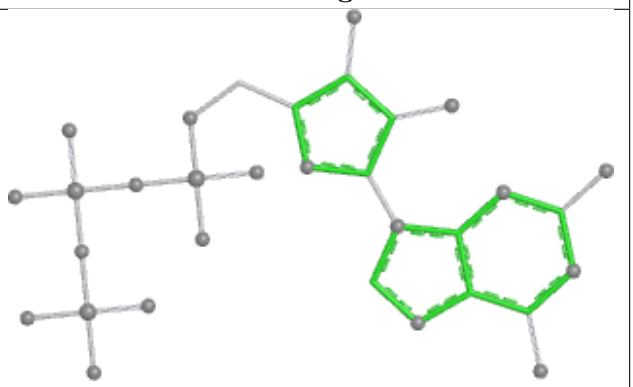


Bond angles

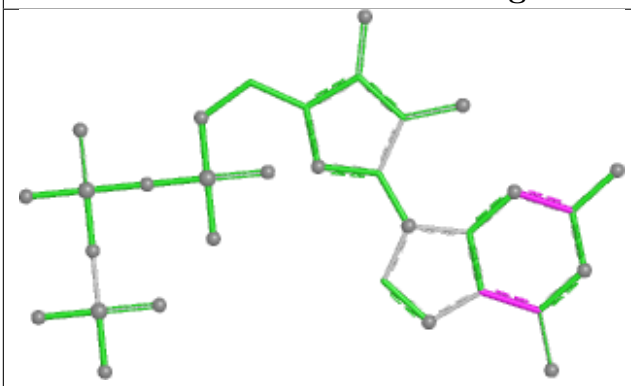


Torsions



Rings

Ligand GTP GB 501



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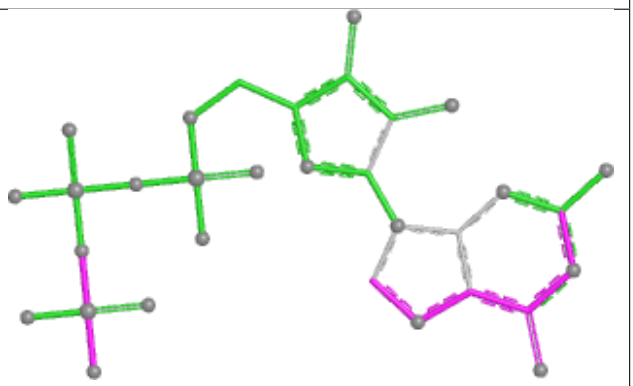

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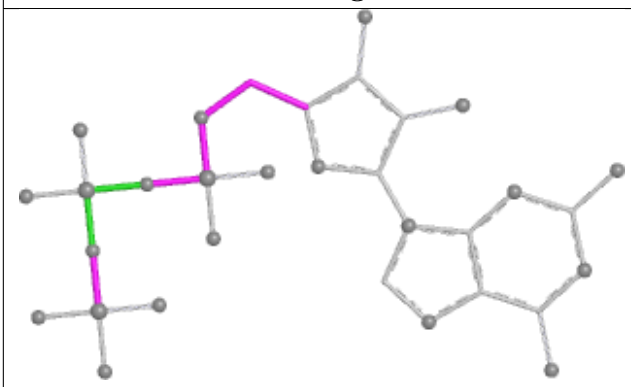

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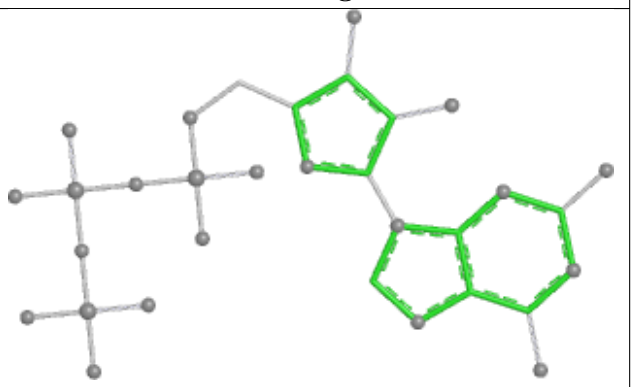
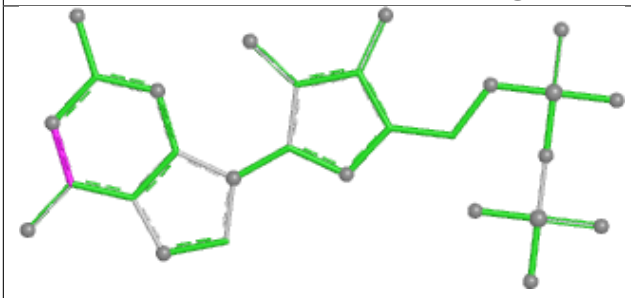


Rings

Ligand GDP EQ 502



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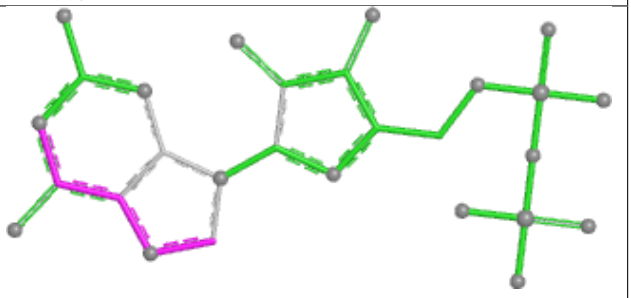

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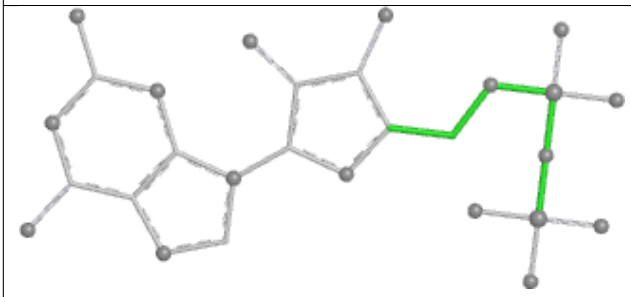

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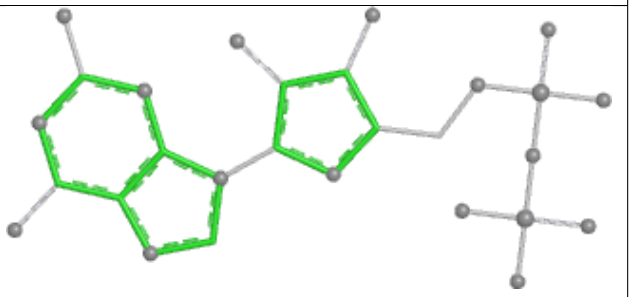
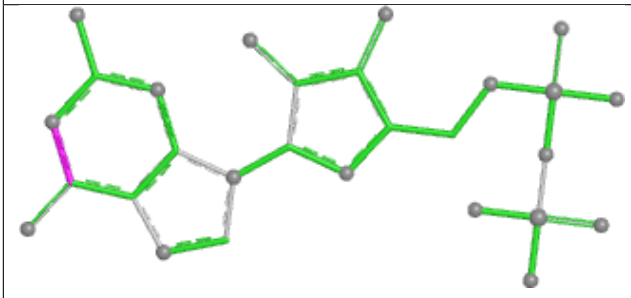


Rings

Ligand GDP BU 502



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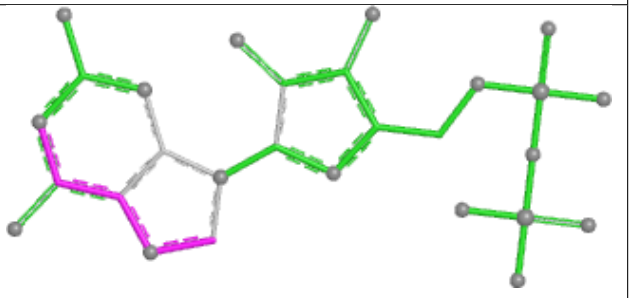

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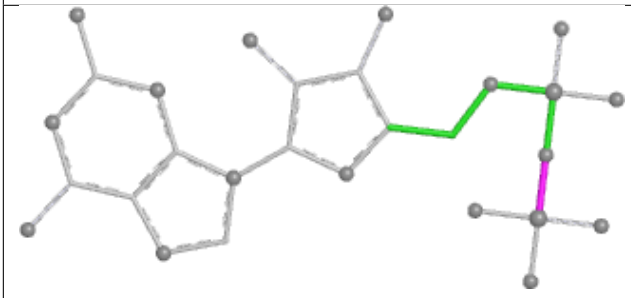

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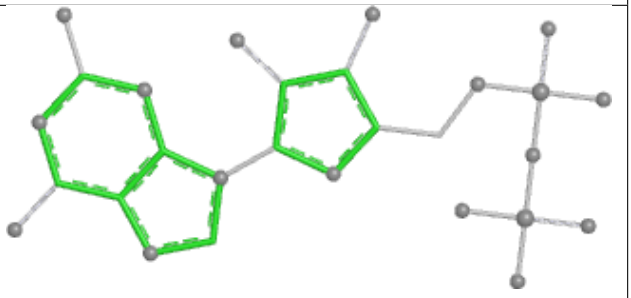
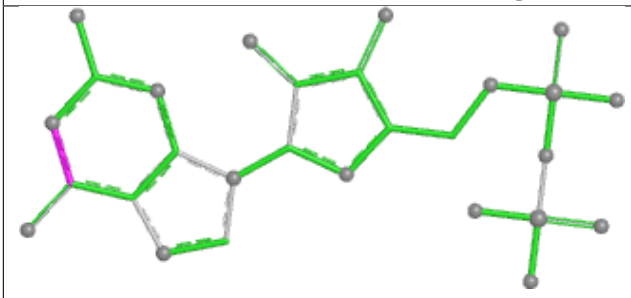
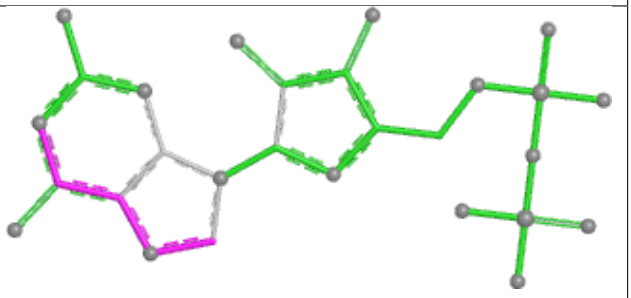
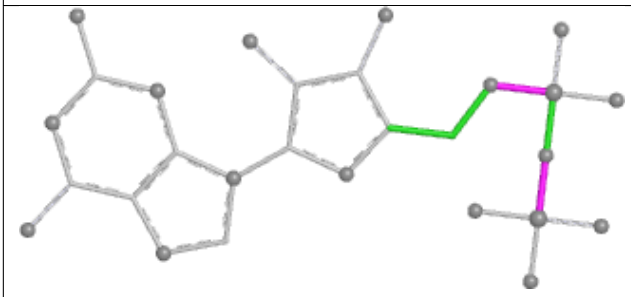
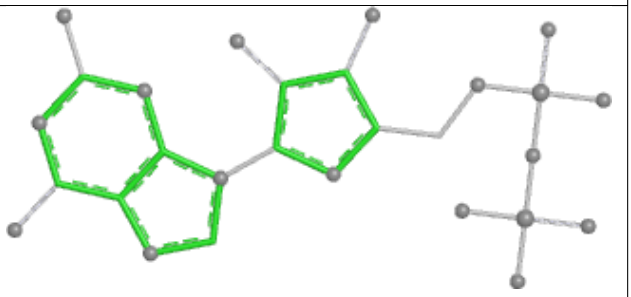
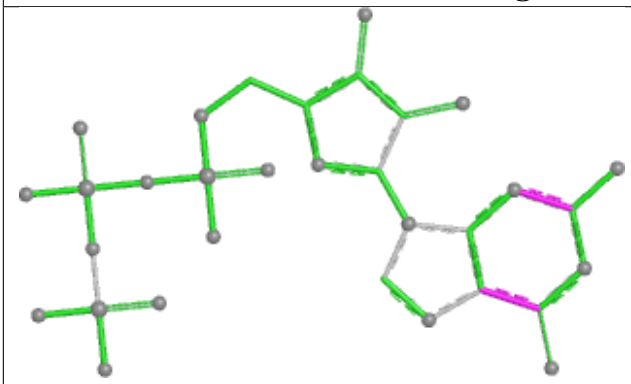
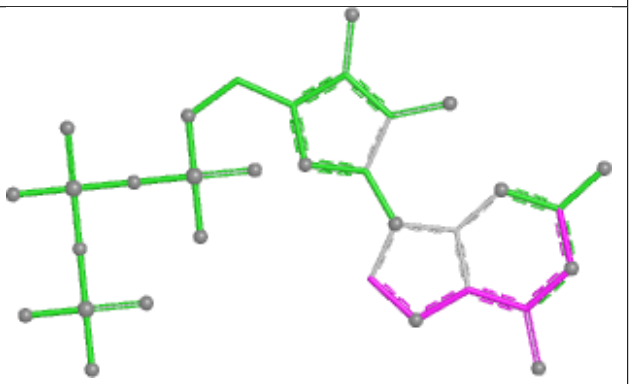
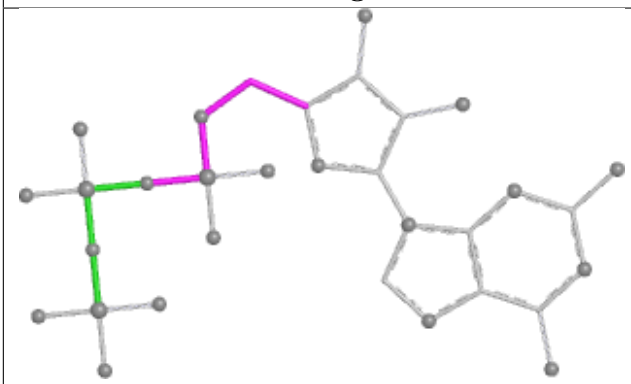
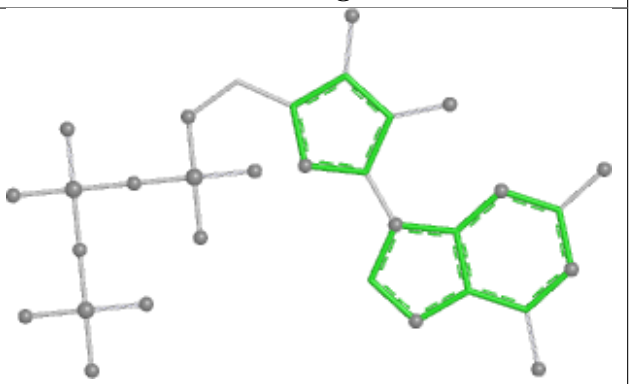
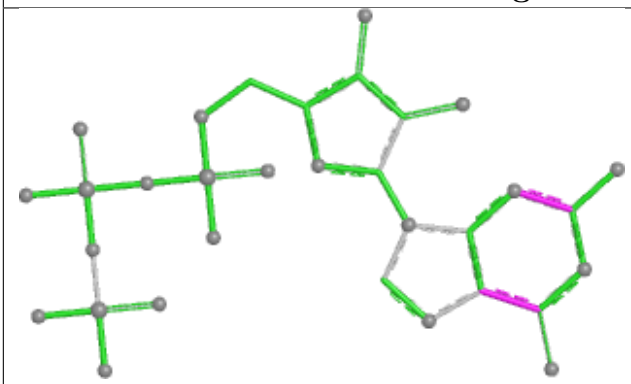


Rings

Ligand GDP NS 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP B0 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP N1 501



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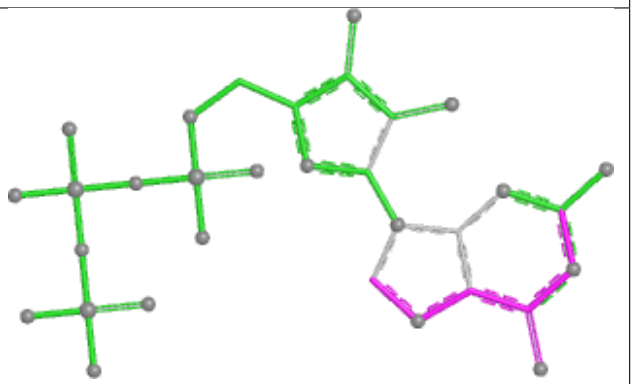

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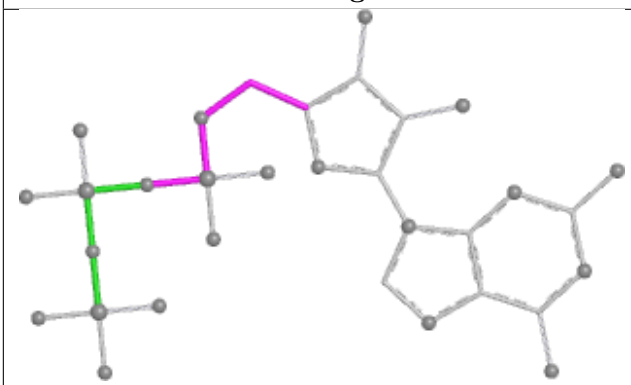
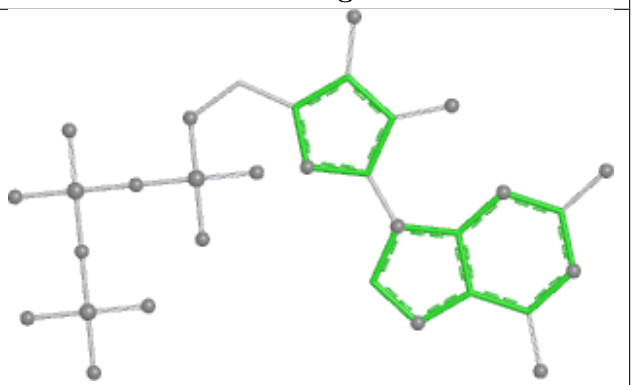
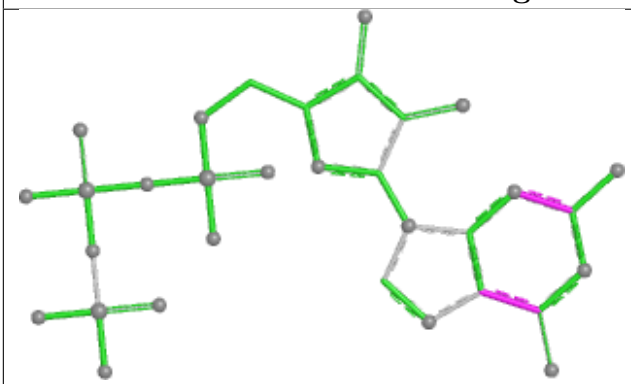


Torsions



Rings

Ligand GTP Y1 501



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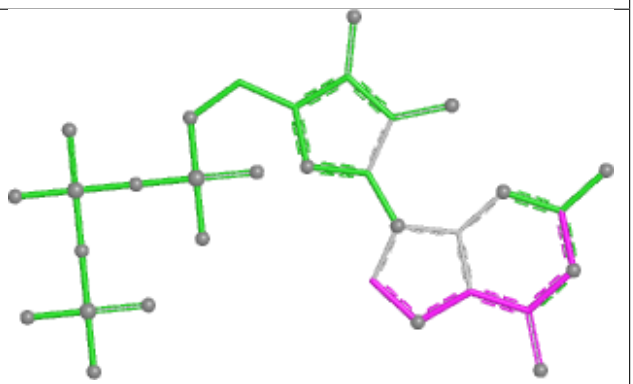

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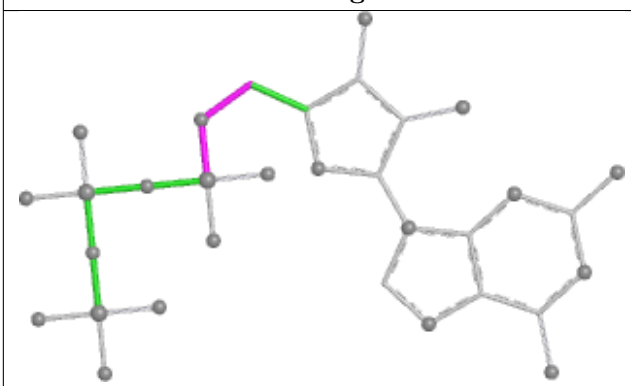

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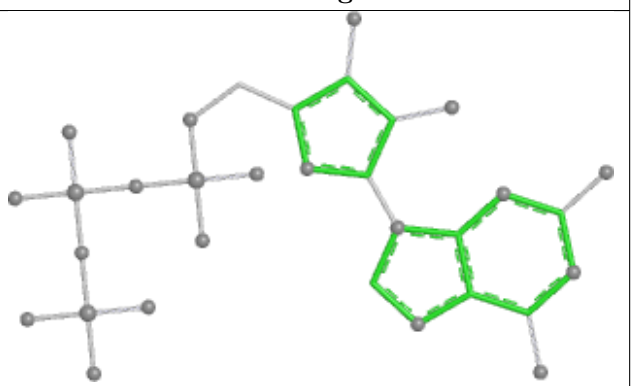
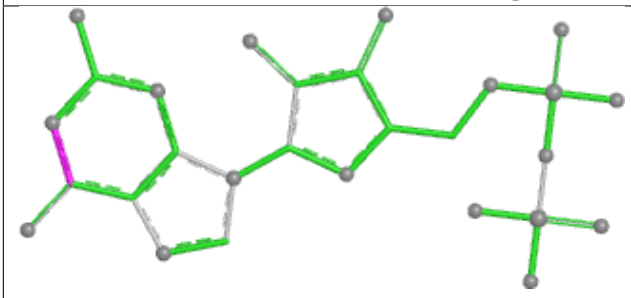
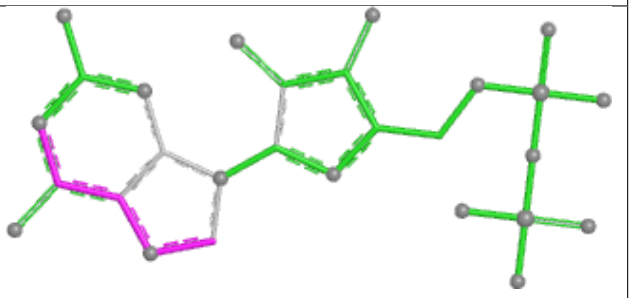
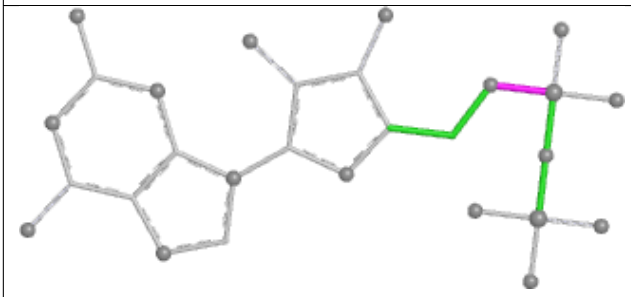
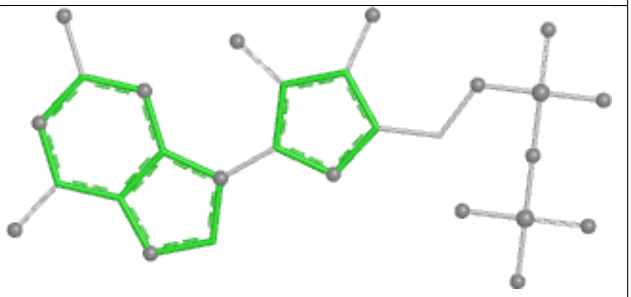
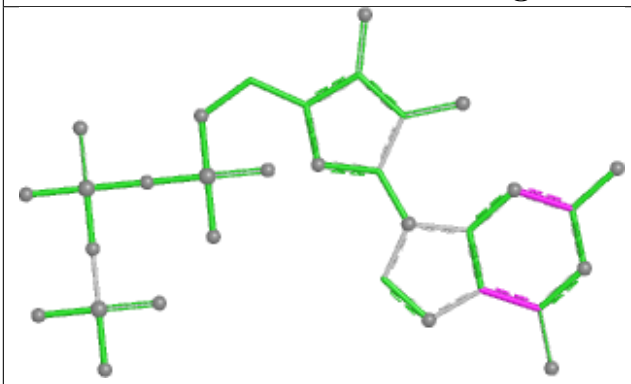
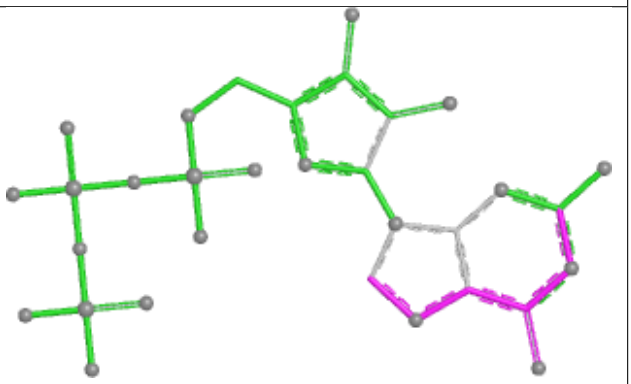
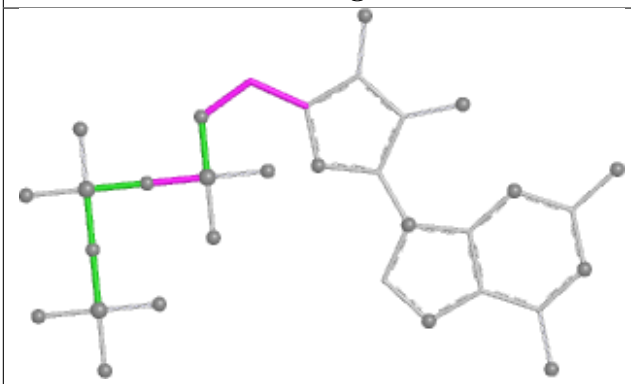
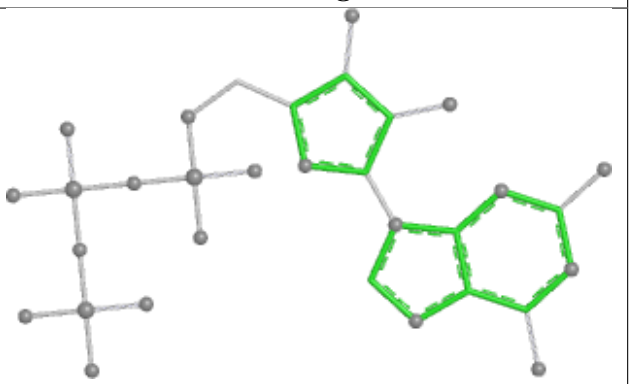
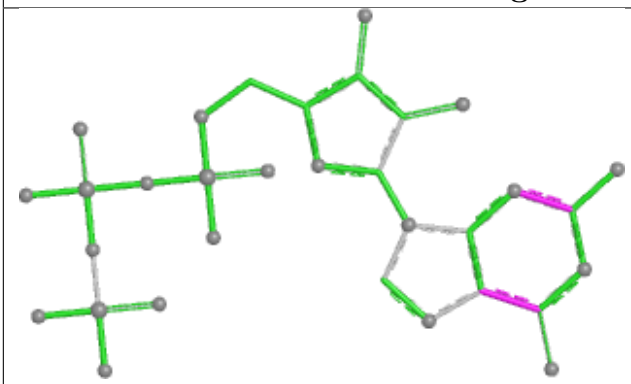


Rings

Ligand GDP W4 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP JK 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP ER 501



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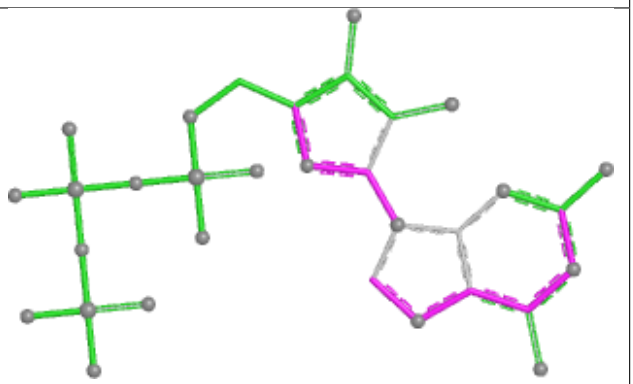
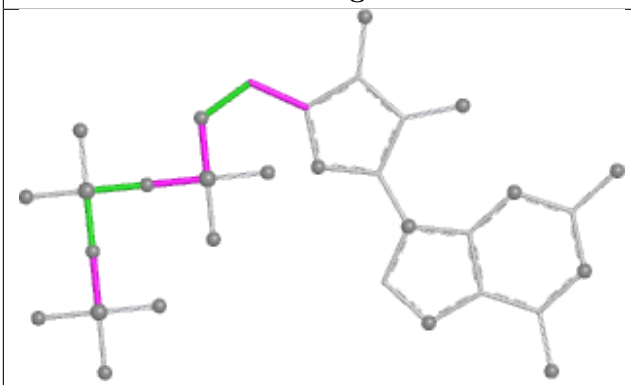
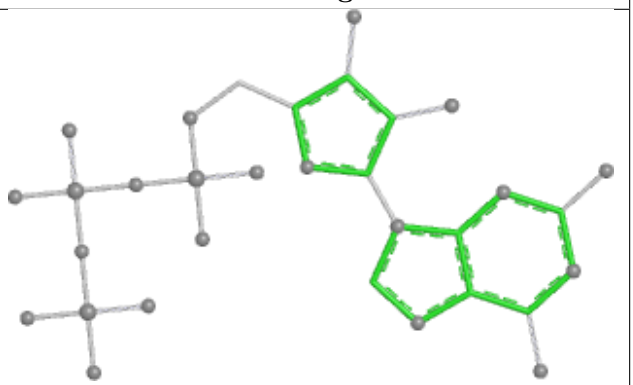


Bond angles

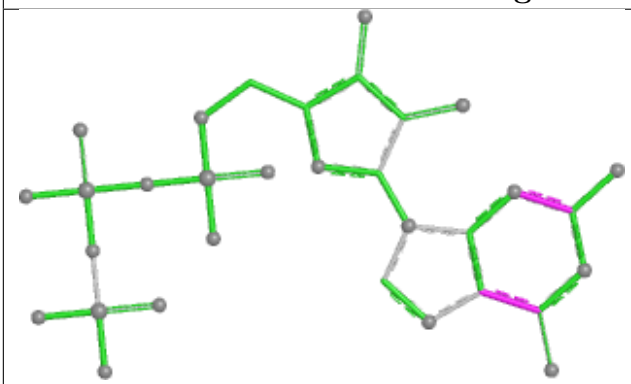


Torsions



Rings

Ligand GTP B2 501



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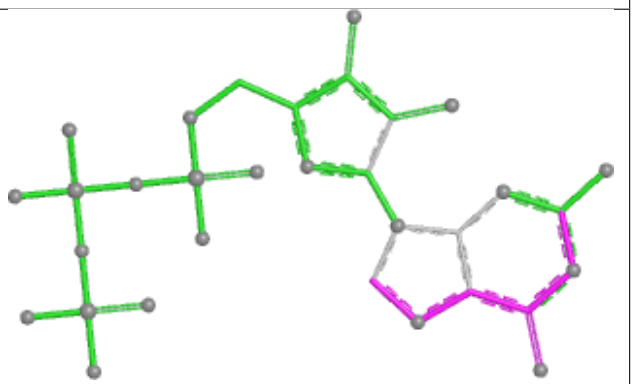
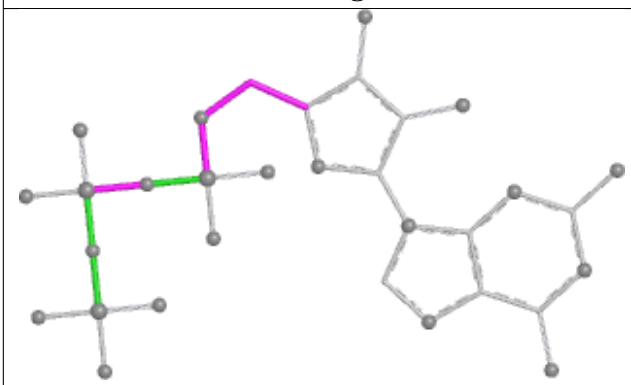


Bond angles



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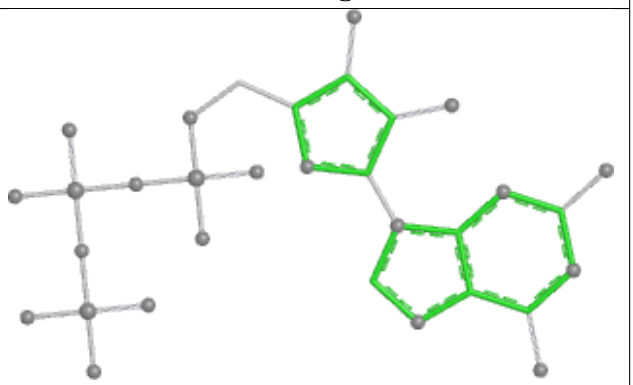
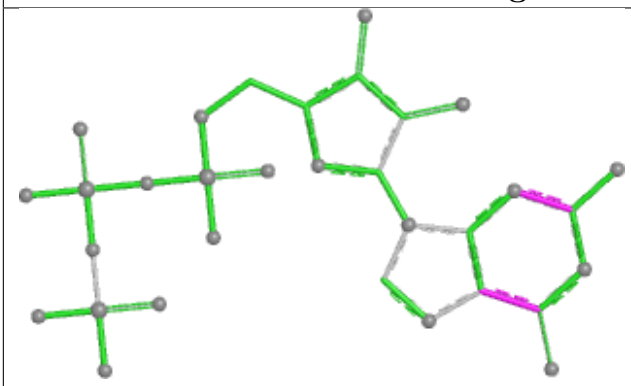


Rings

Ligand GTP DX 501



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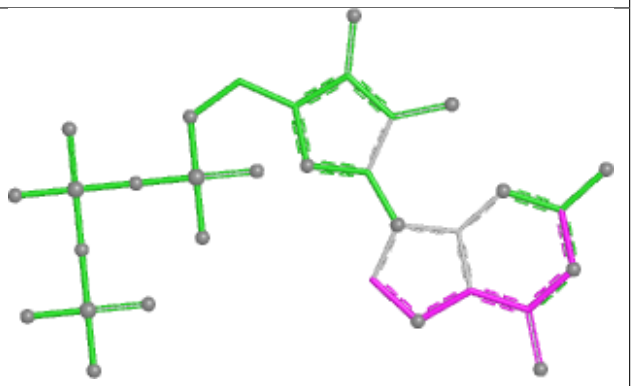
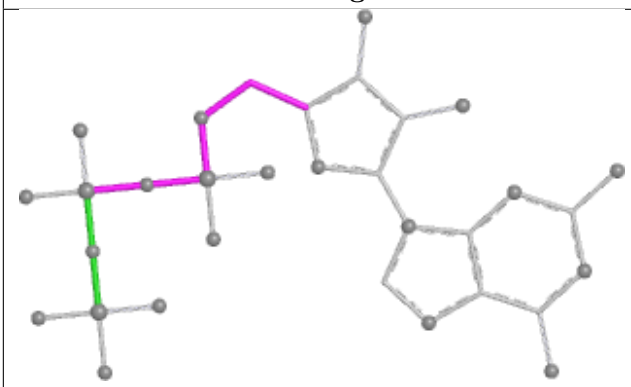


Bond angles



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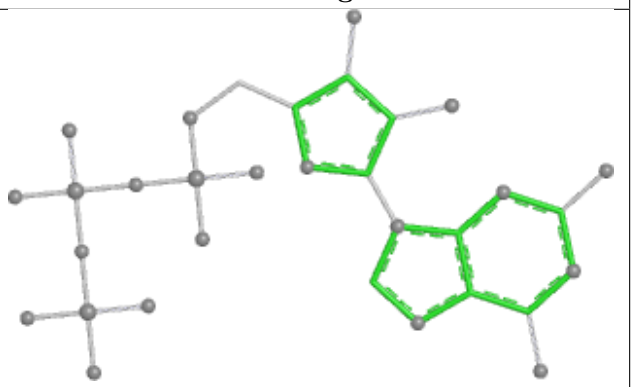
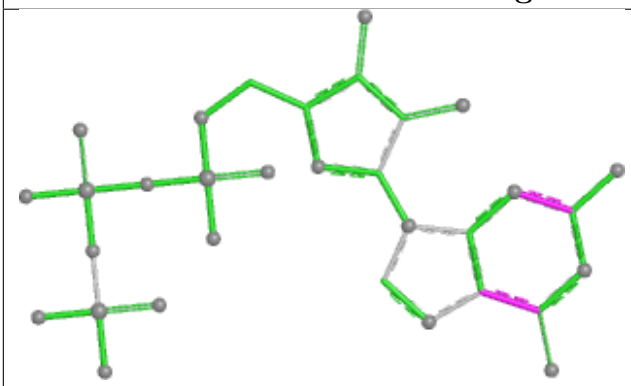


Rings

Ligand GTP IK 501



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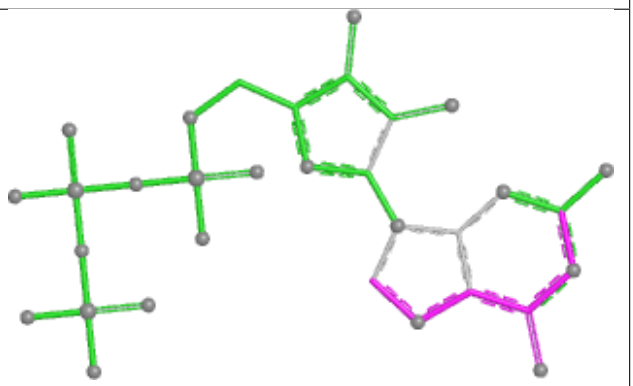
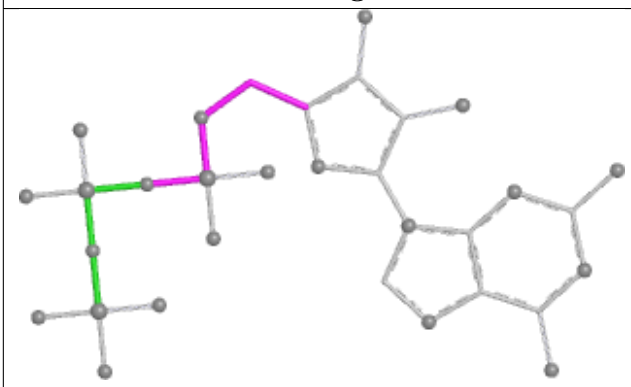
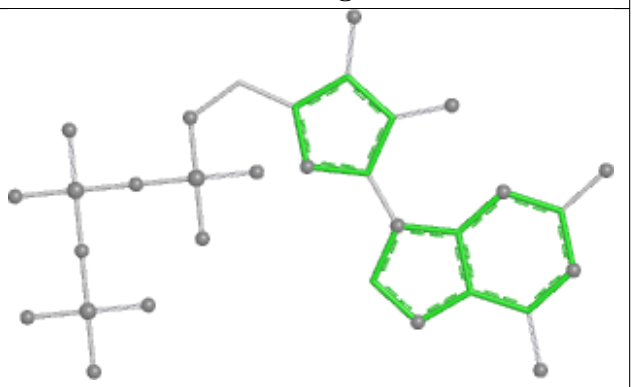


Bond angles

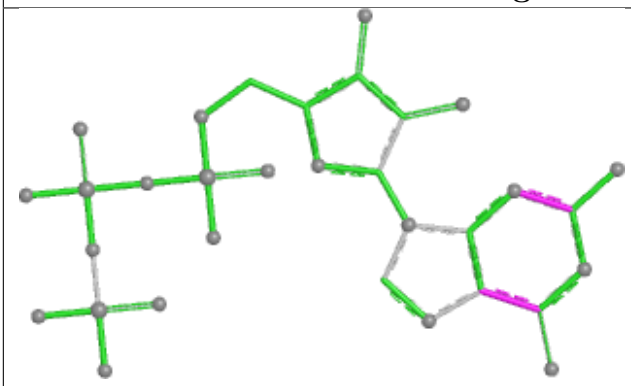


Torsions

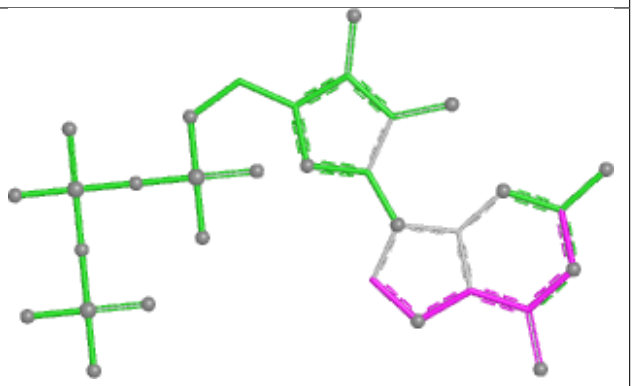


Rings

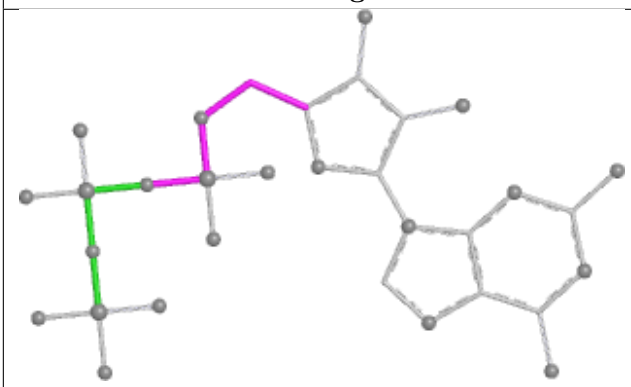
Ligand GTP 0A 501



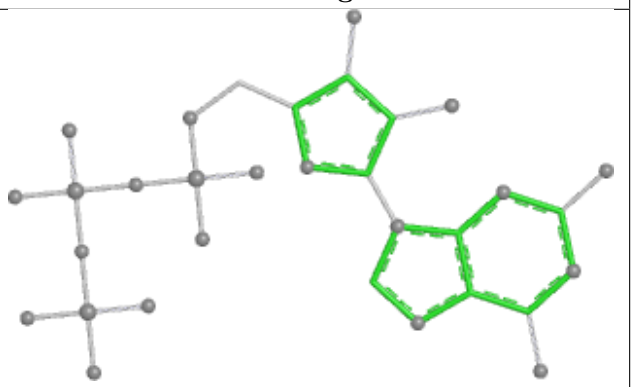
Bond lengths



Bond angles

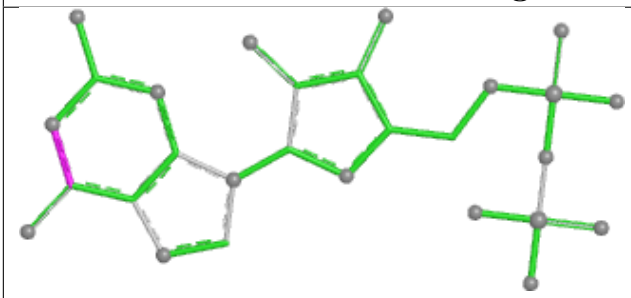


Torsions



Rings

Ligand GDP 1K 501



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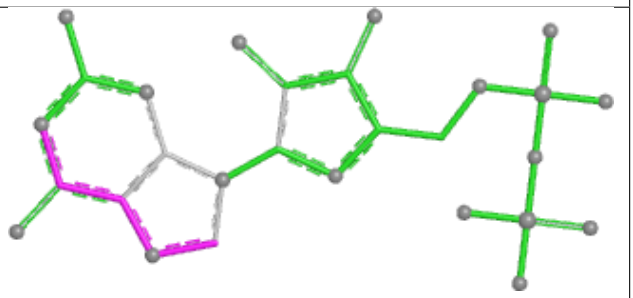

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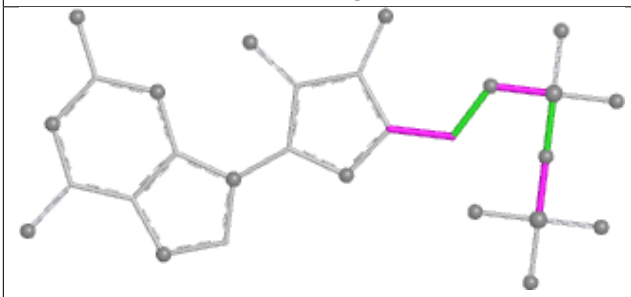

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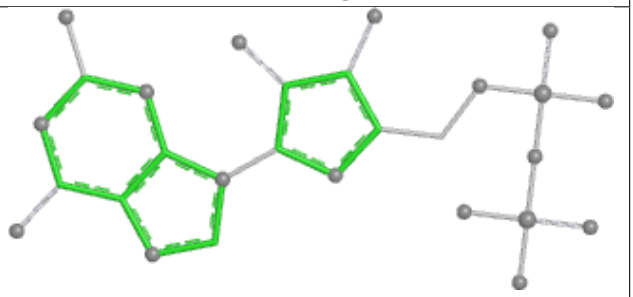
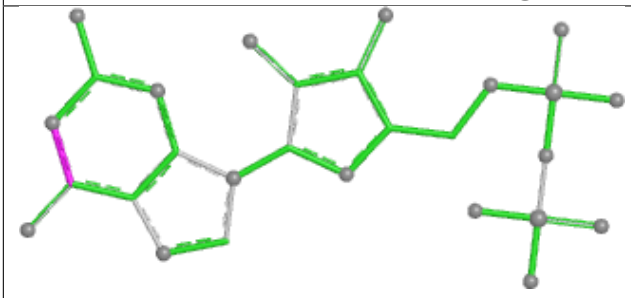


Rings

Ligand GDP Ci 502



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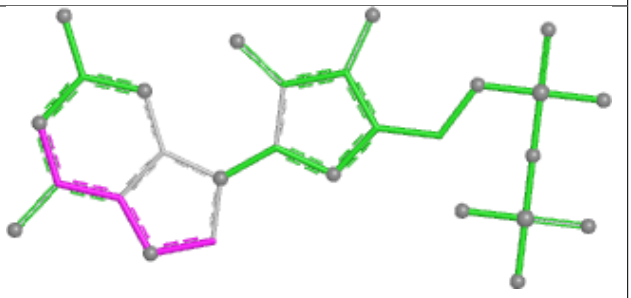

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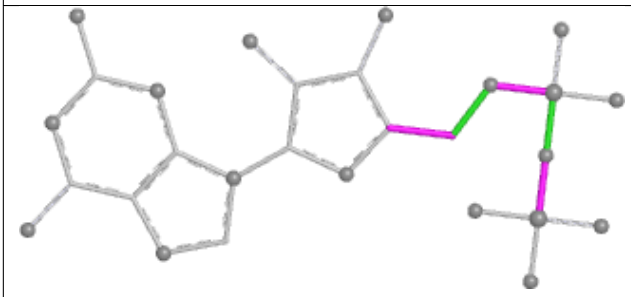

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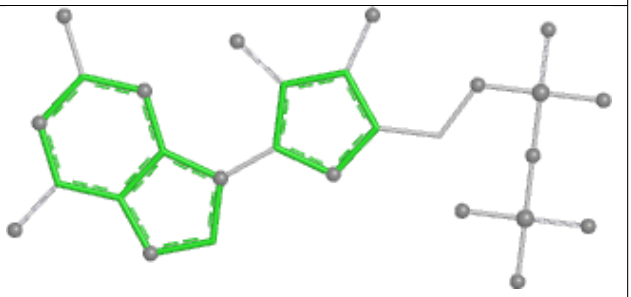
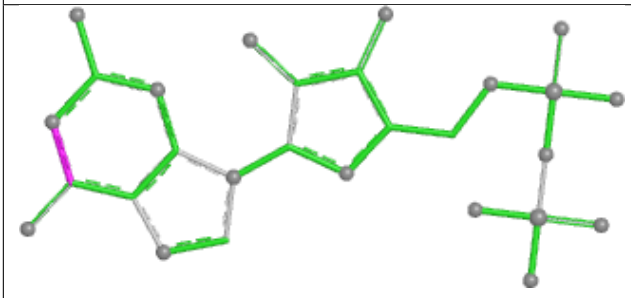


Rings

Ligand GDP KH 502



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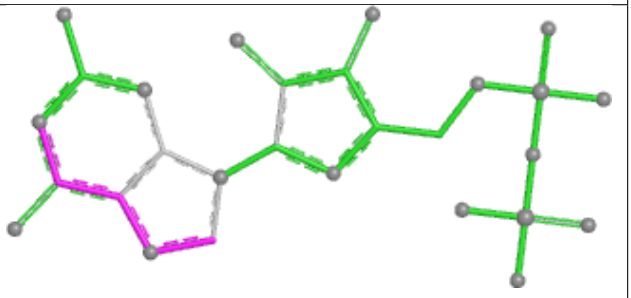

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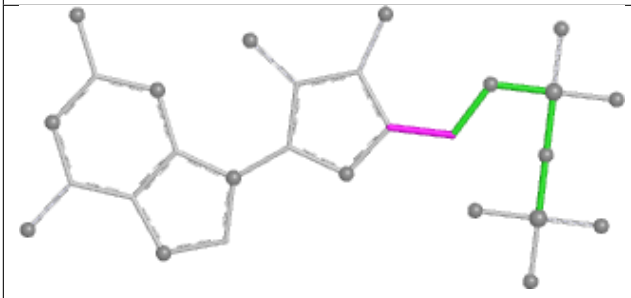

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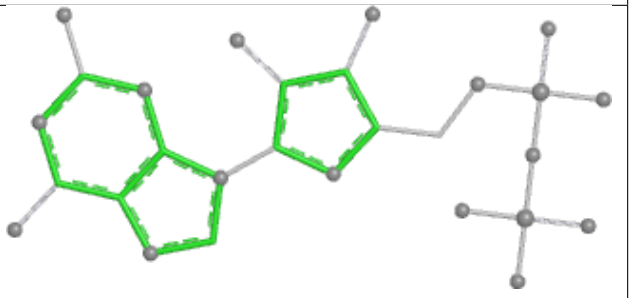
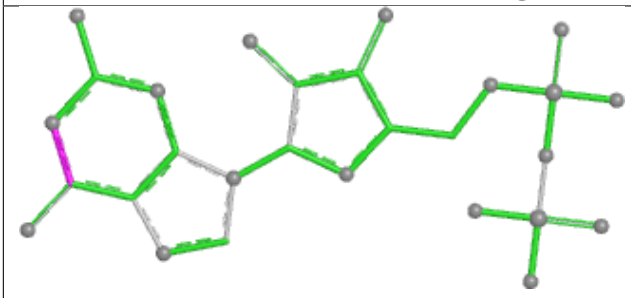
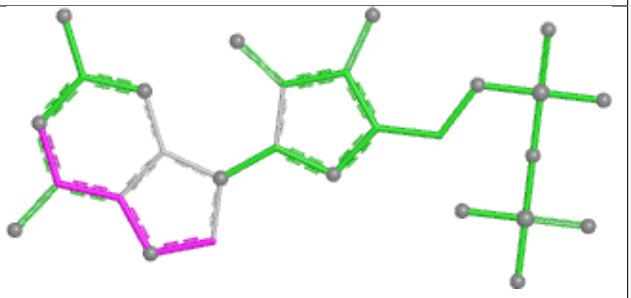
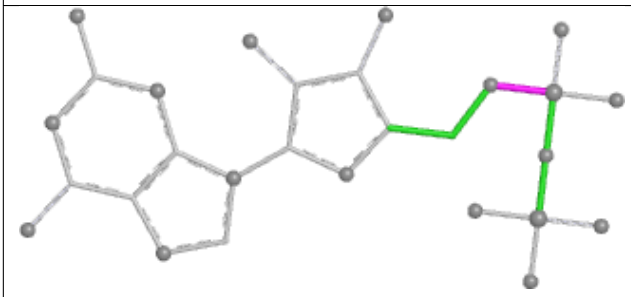
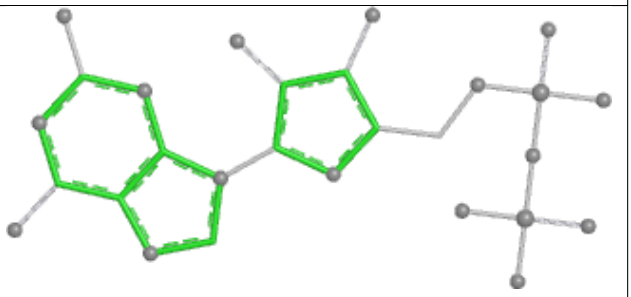
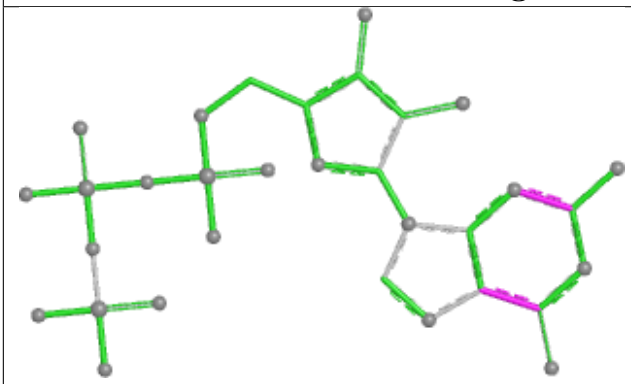
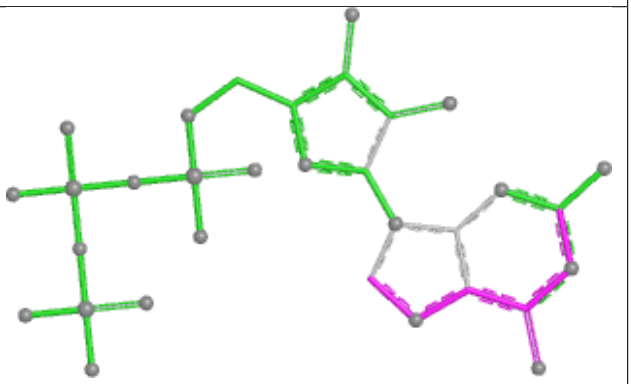
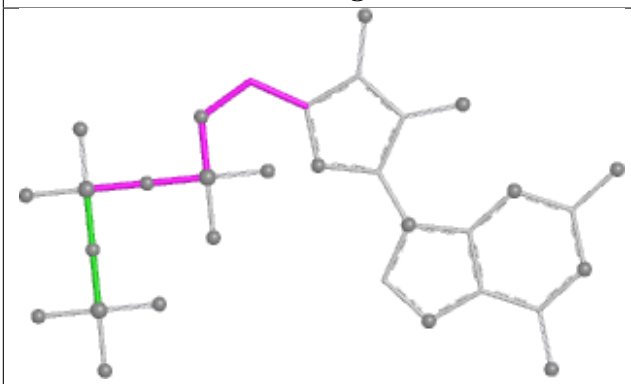
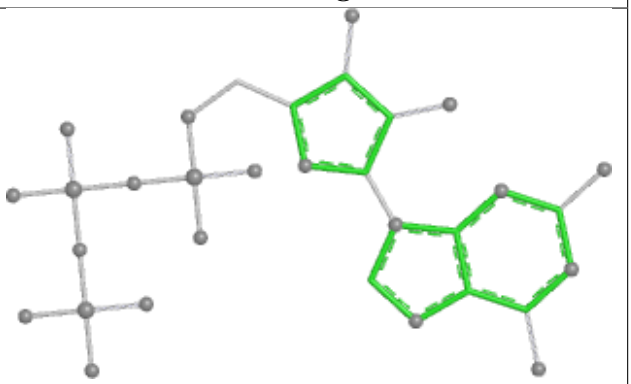
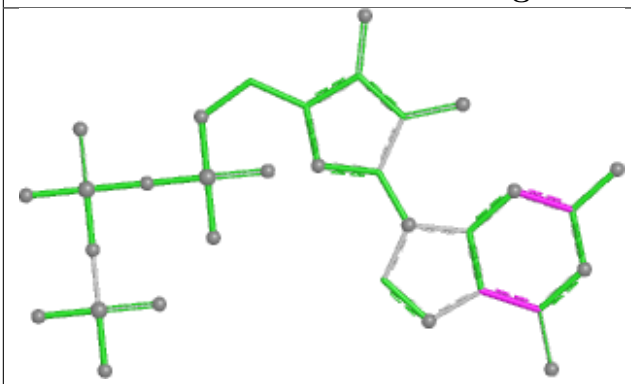


Rings

Ligand GDP P4 503	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GTP Bw 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GTP N0 501



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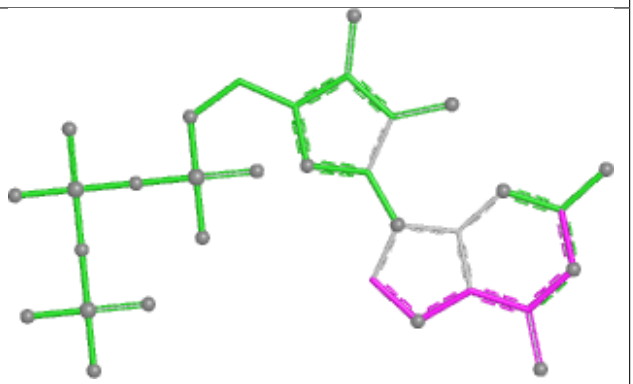
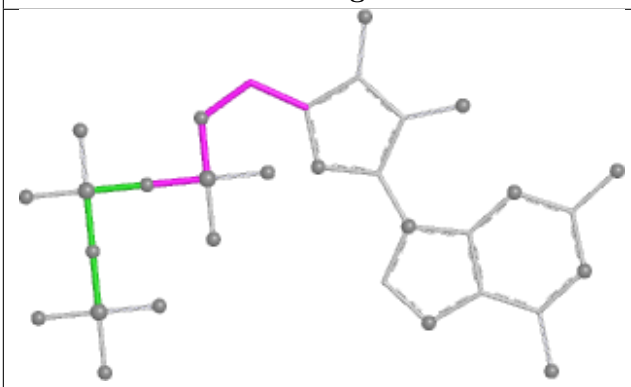
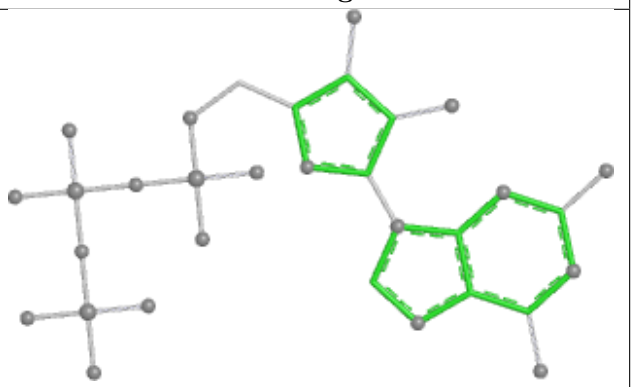


Bond angles

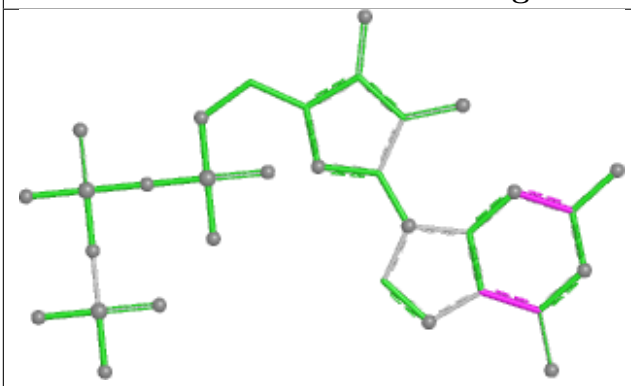


Torsions



Rings

Ligand GTP BL 501



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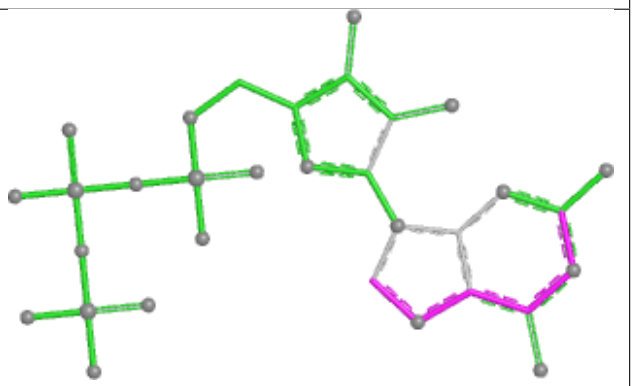

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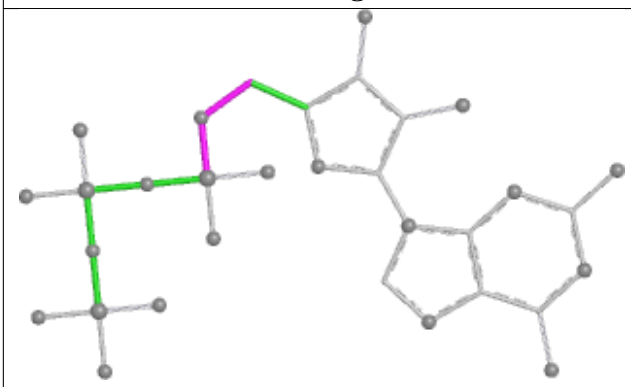

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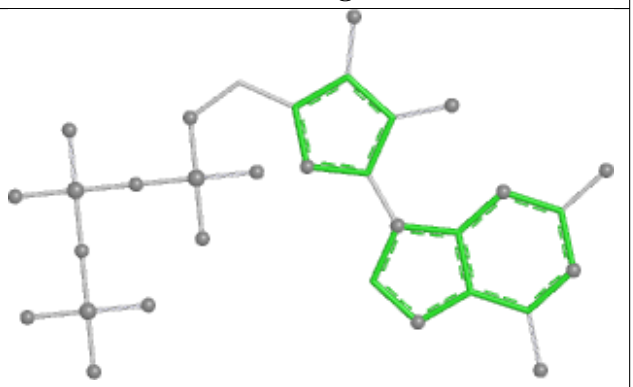
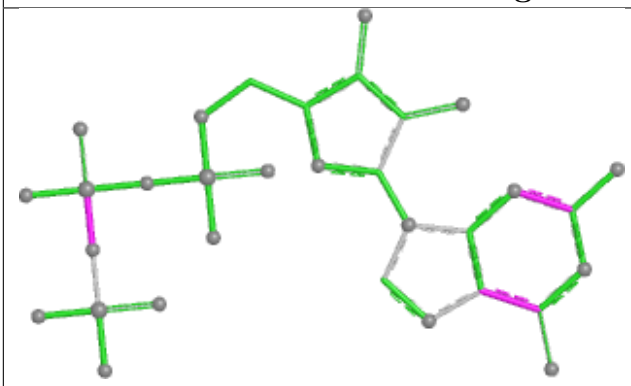


Rings

Ligand GTP T8 501



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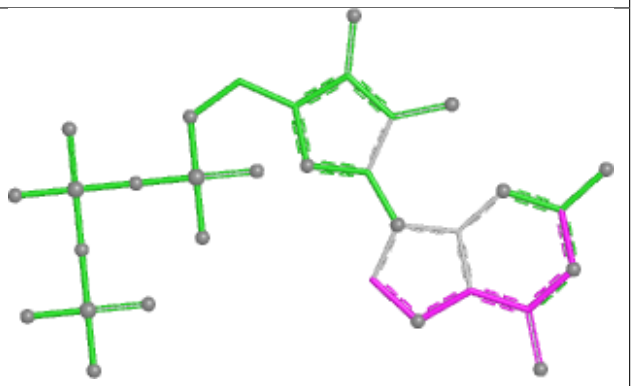

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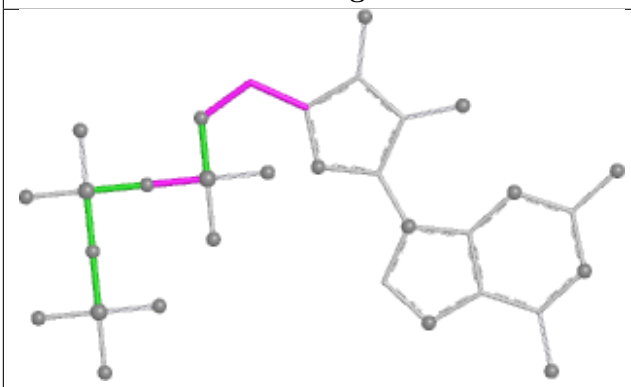

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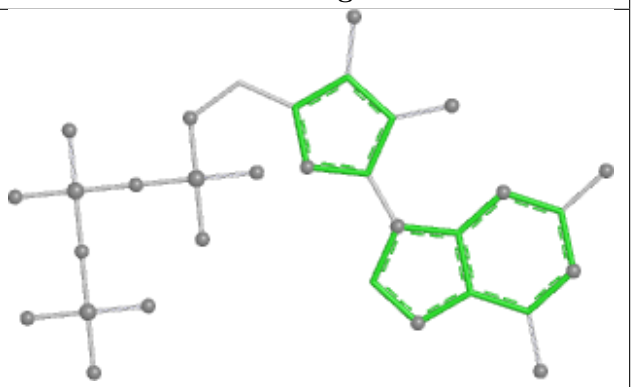
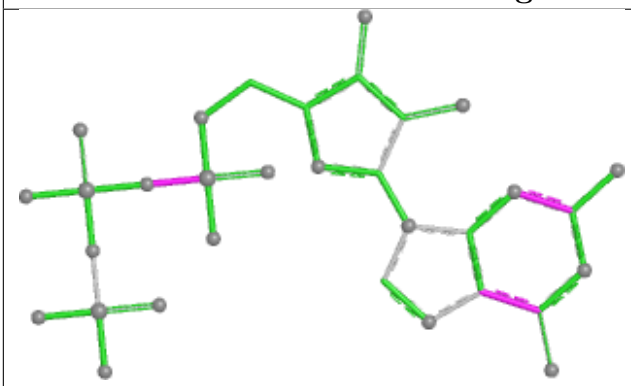


Rings

Ligand GTP Lv 501



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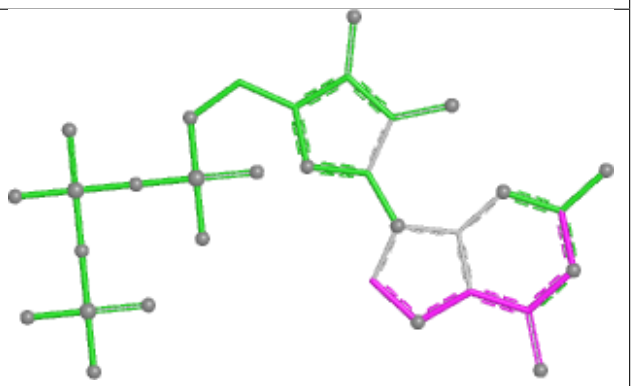
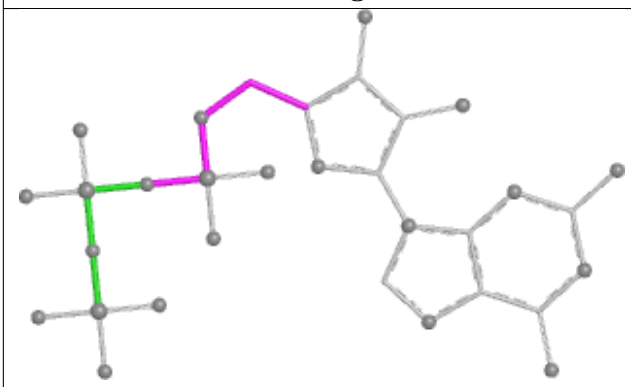


Bond angles



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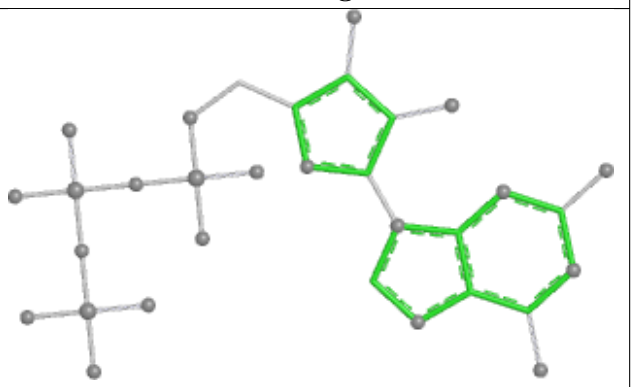
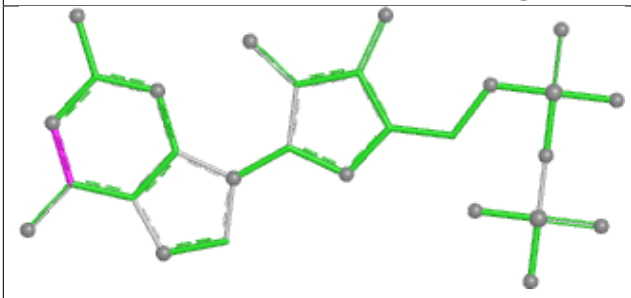
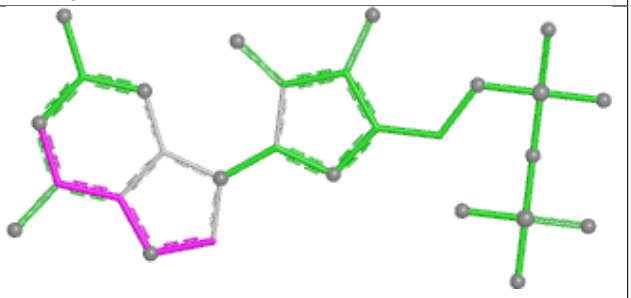
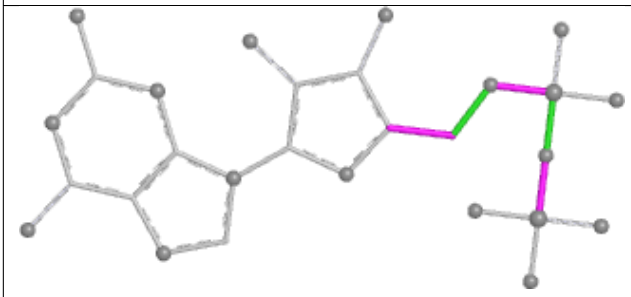
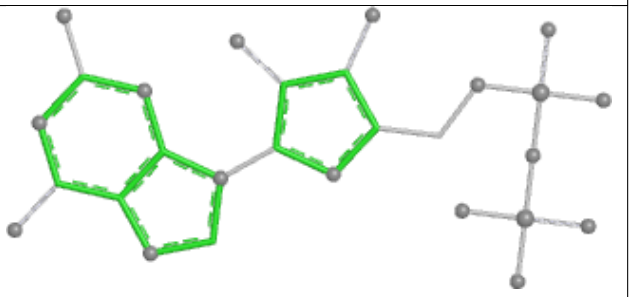
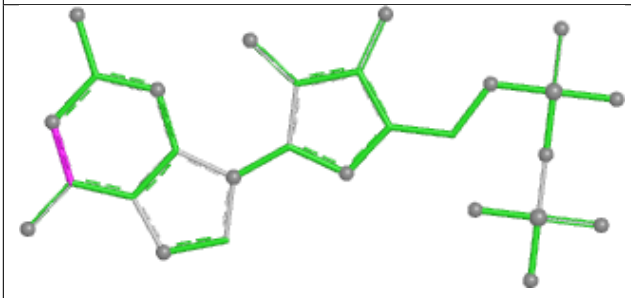
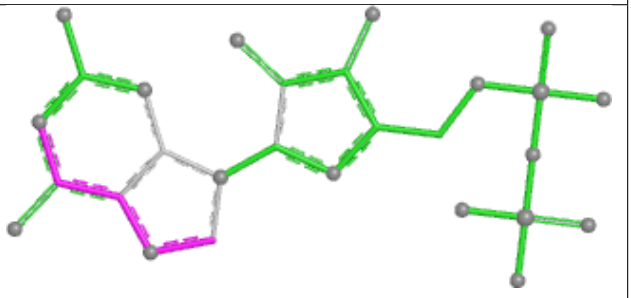
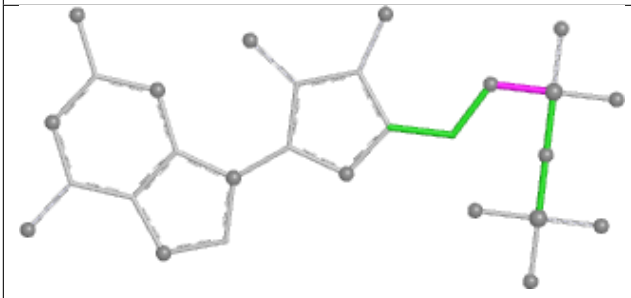
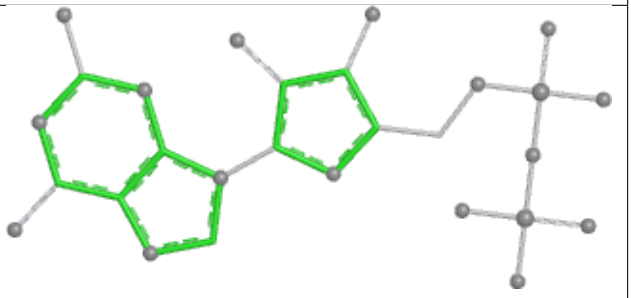
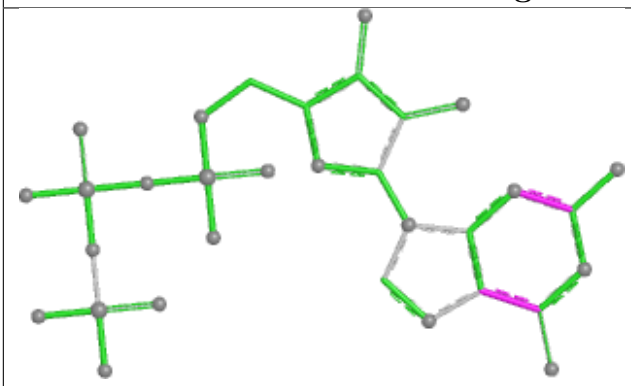


Rings

Ligand GDP Kj 503	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP X8 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Eq 501



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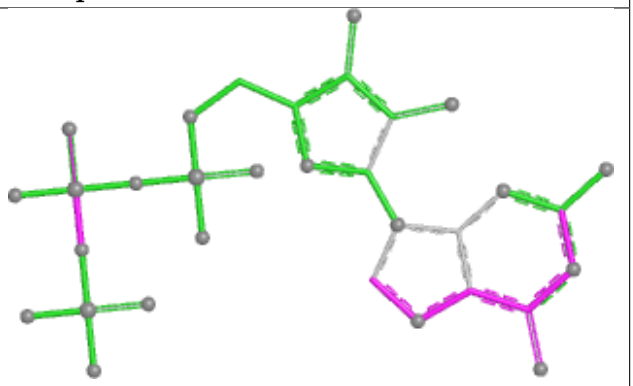
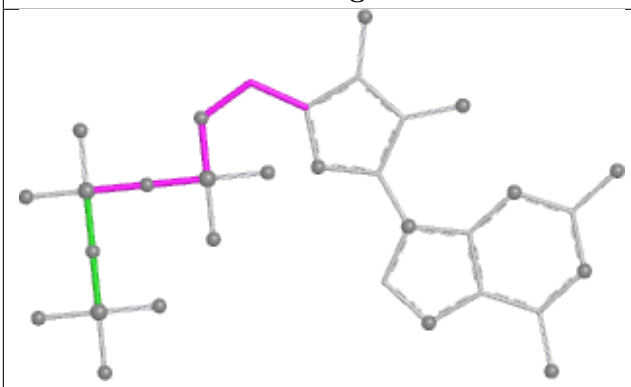
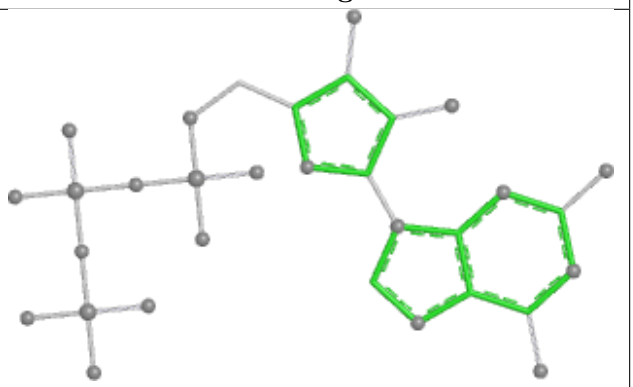


Bond angles

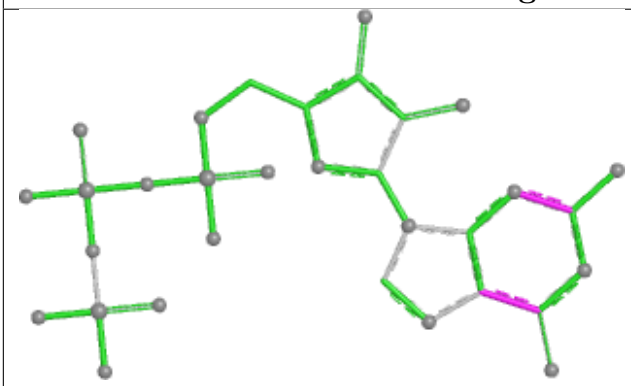


Torsions



Rings

Ligand GTP Fr 501



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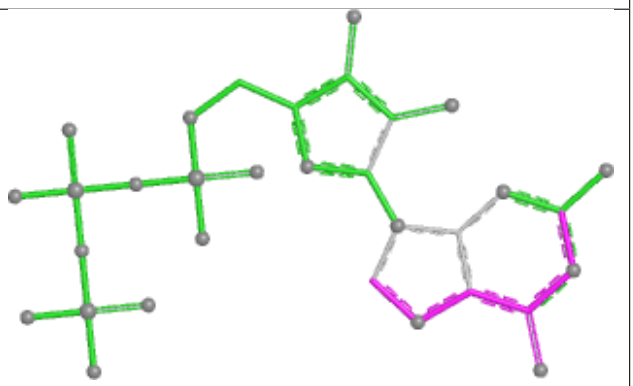
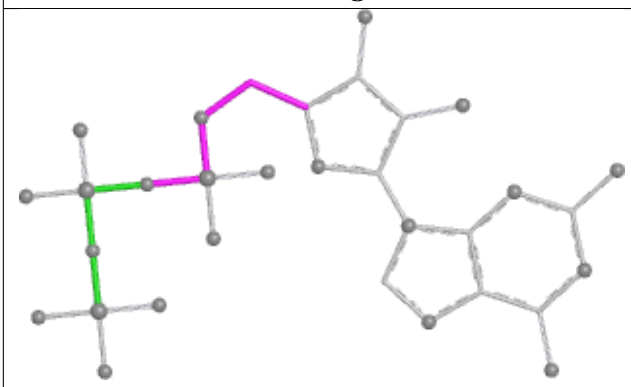
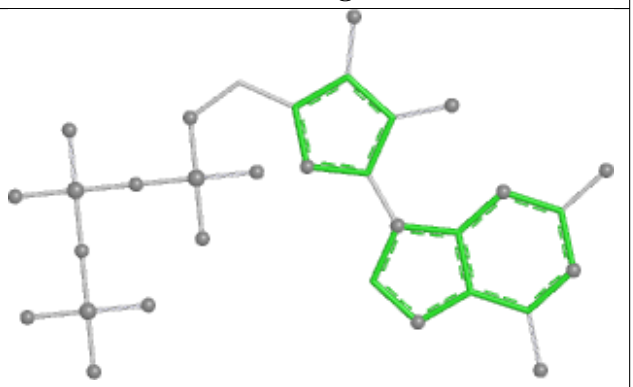


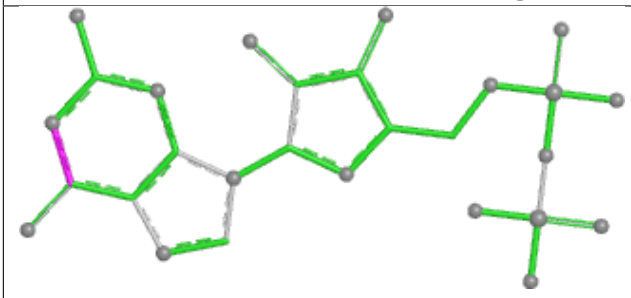
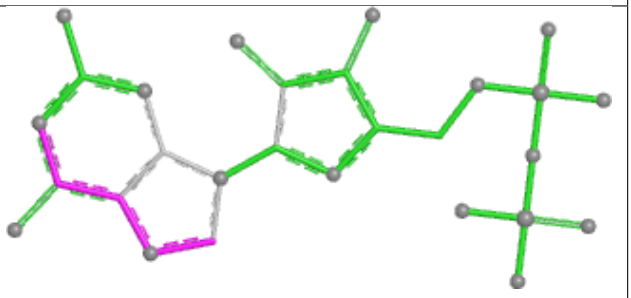
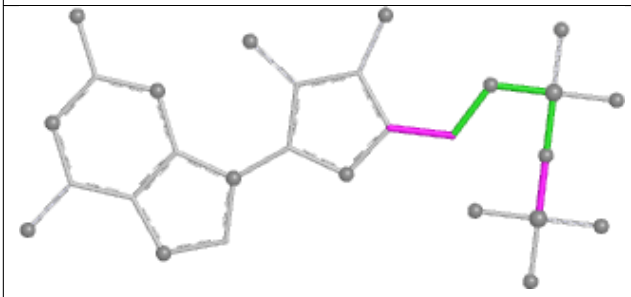
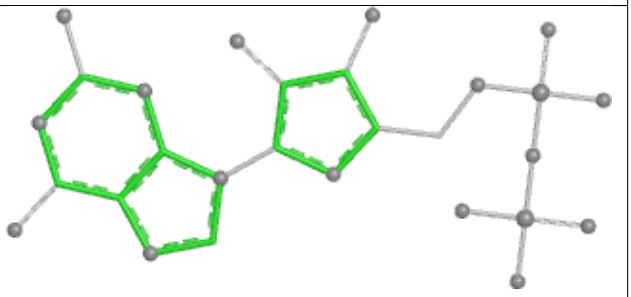
Bond angles

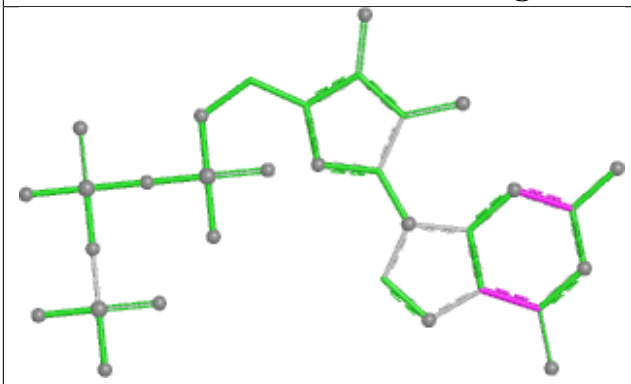
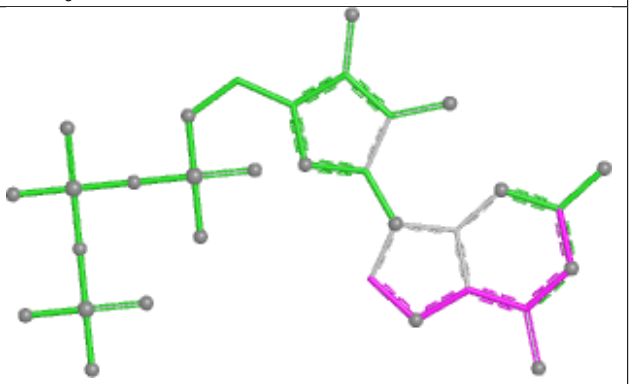
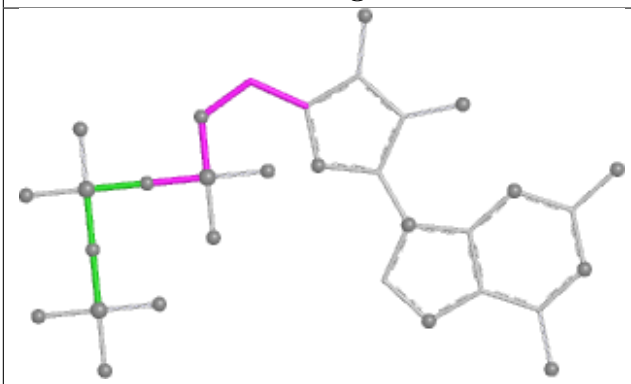
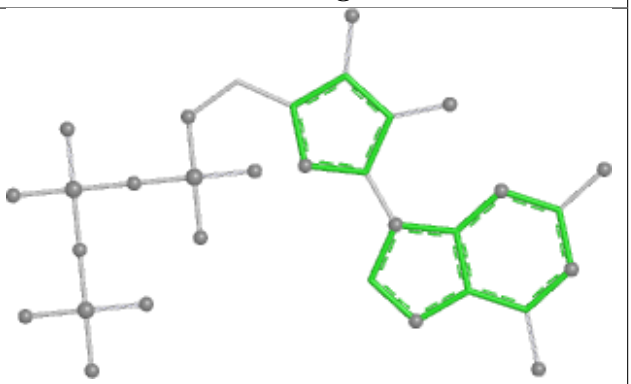


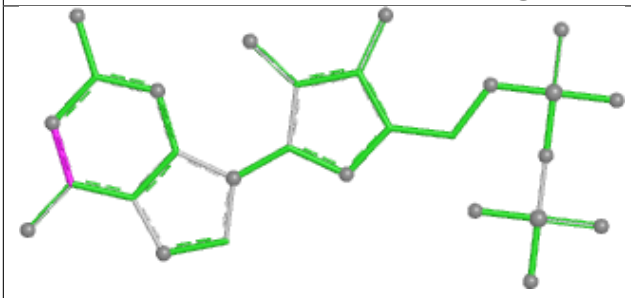
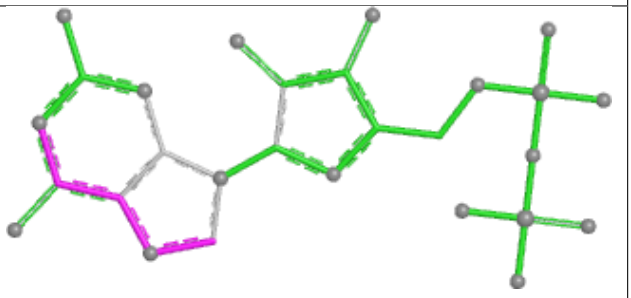
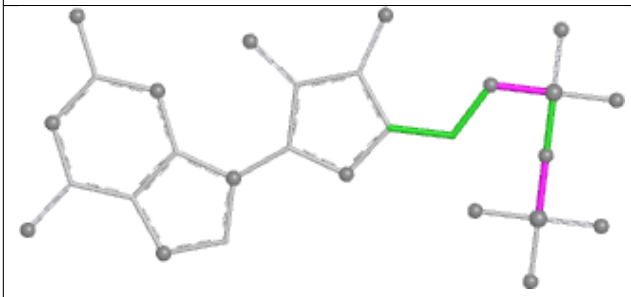
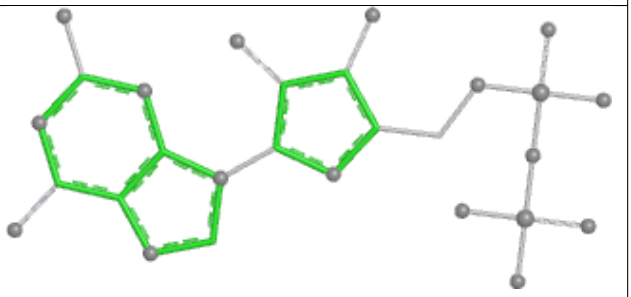
Torsions



Rings

Ligand GDP G4 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP By 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP L6 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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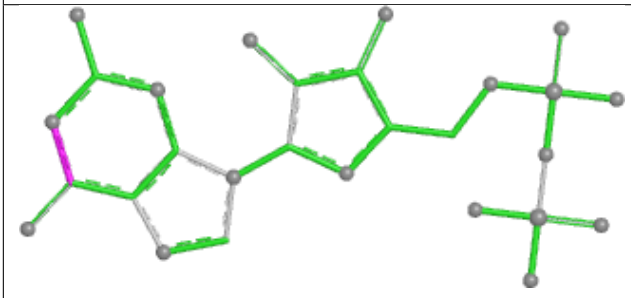
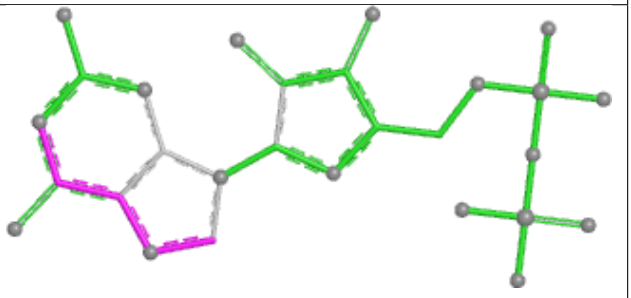
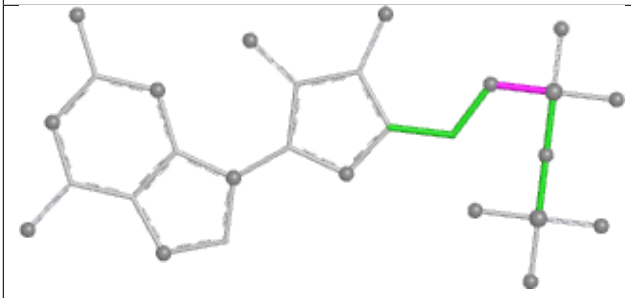
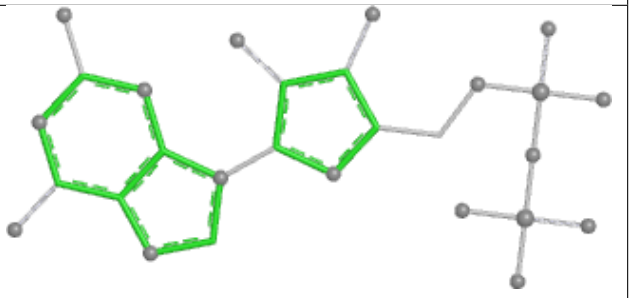
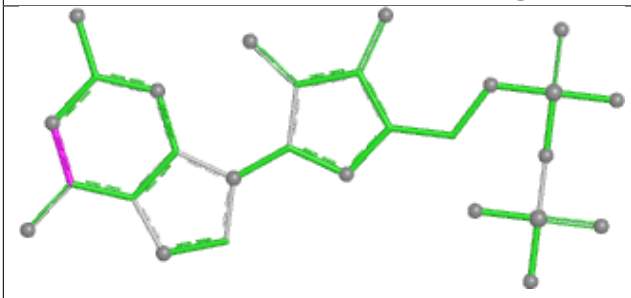
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP V8 502



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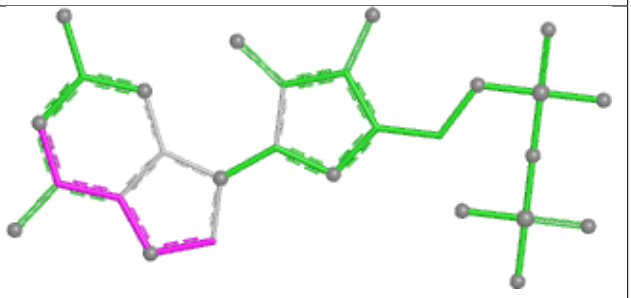

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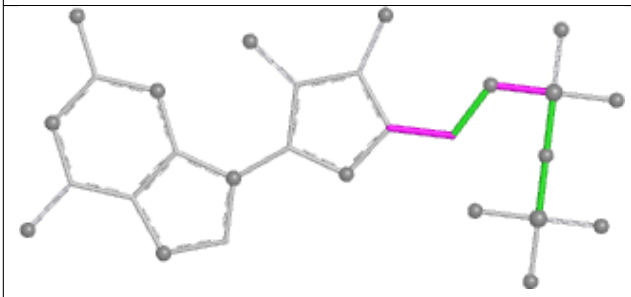

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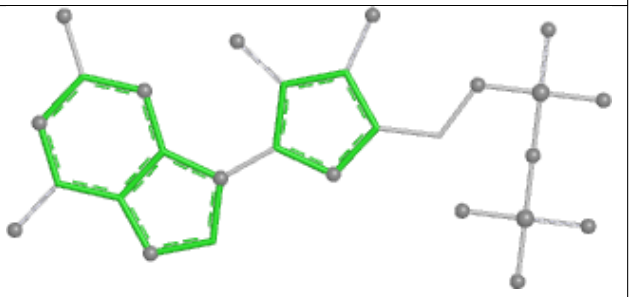
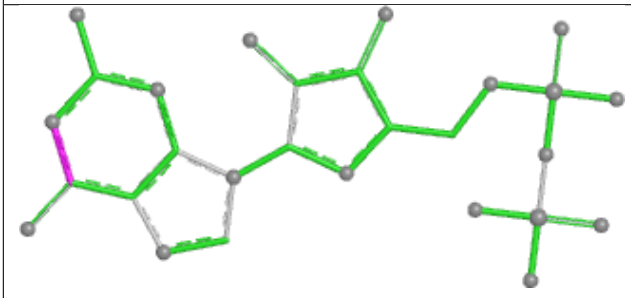


Rings

Ligand GDP LV 501



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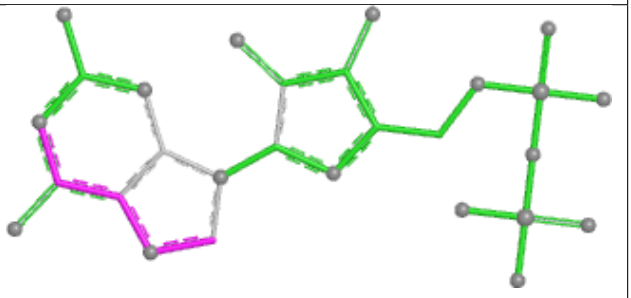

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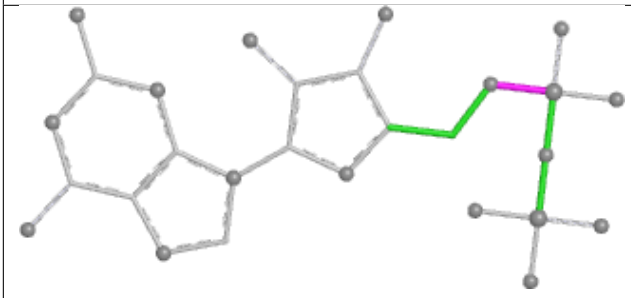

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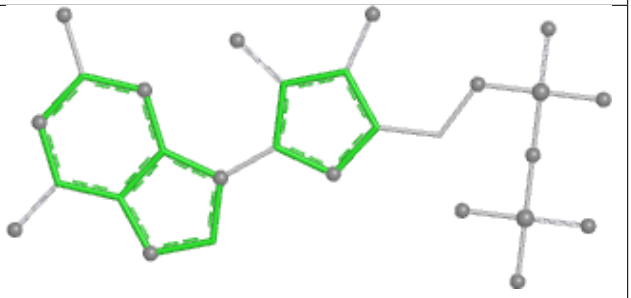
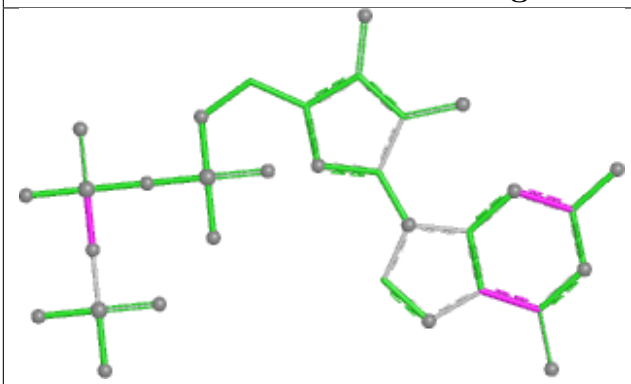


Rings

Ligand GTP FG 501



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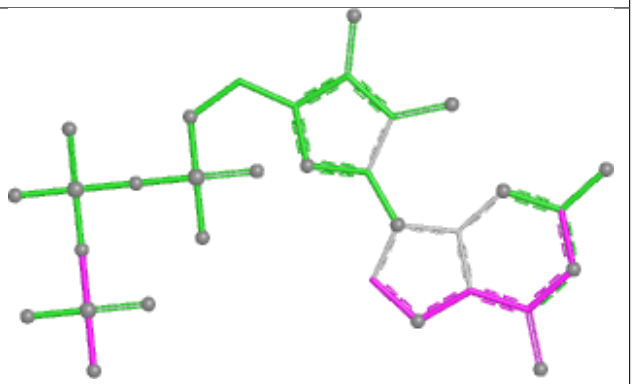

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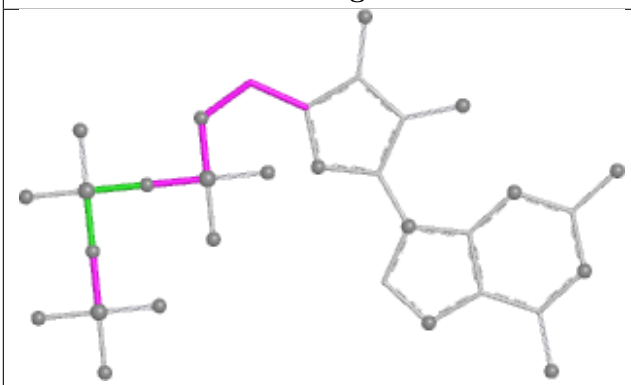

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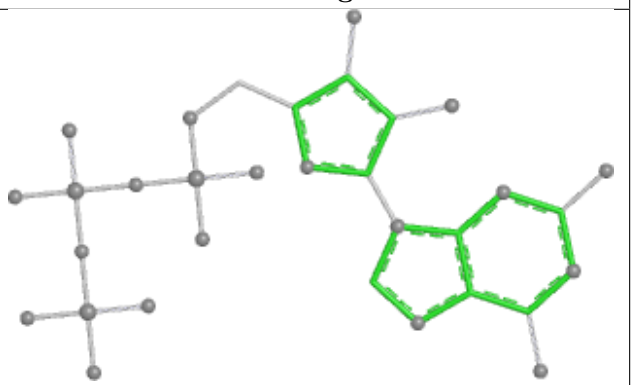
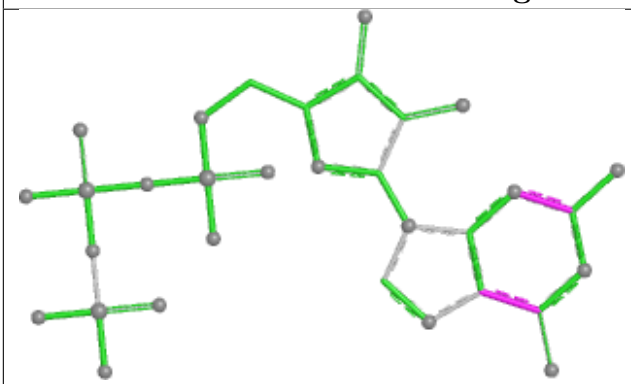


Rings

Ligand GTP 1Q 501



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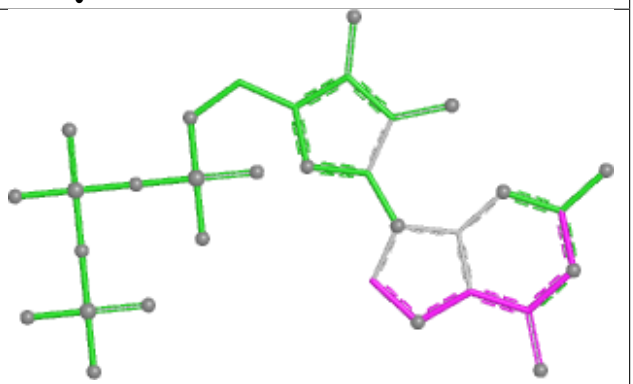

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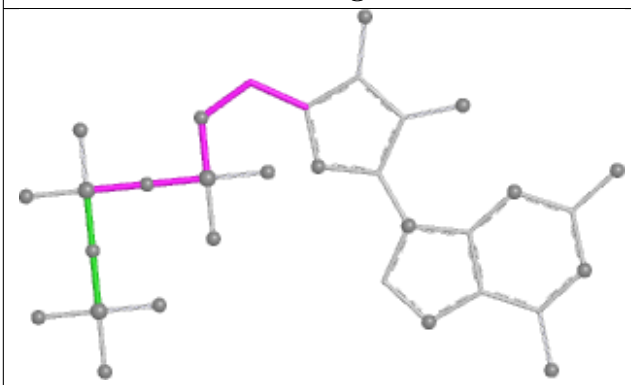

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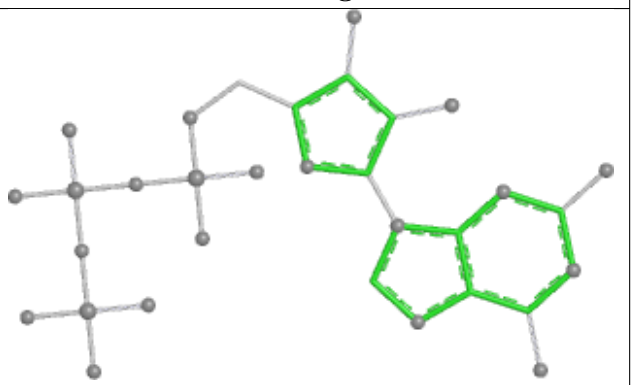
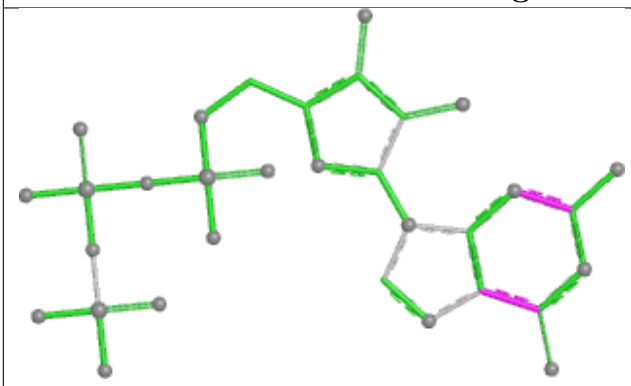


Rings

Ligand GTP An 501



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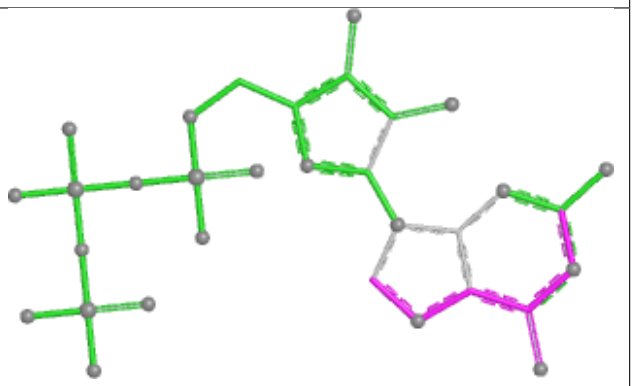

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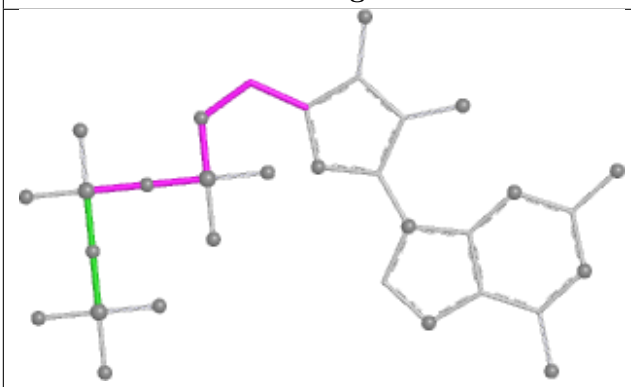

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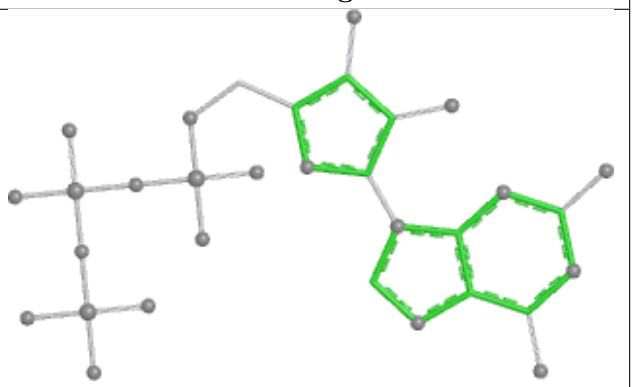

Rings

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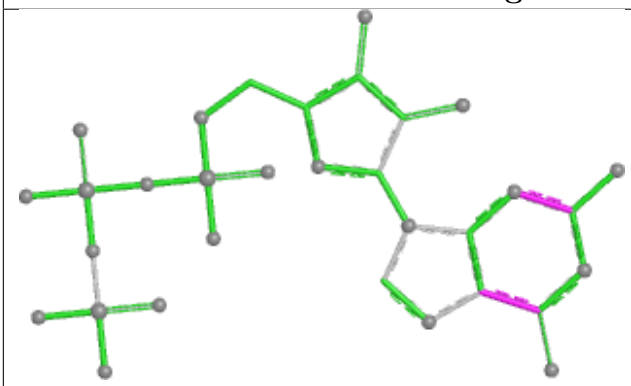

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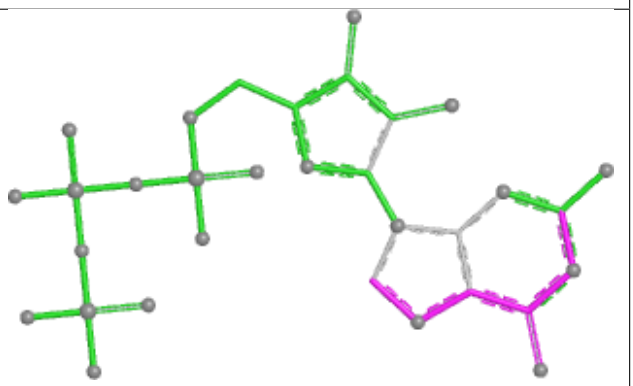

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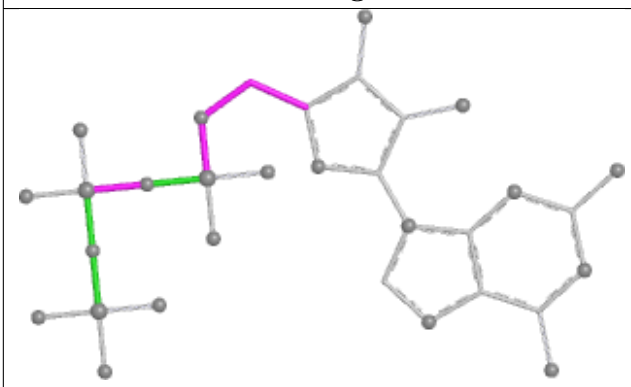

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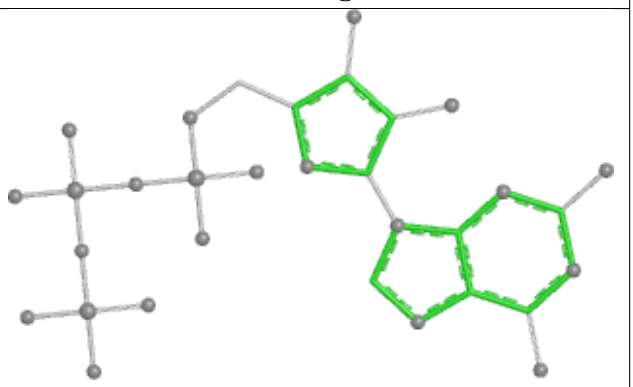

Rings

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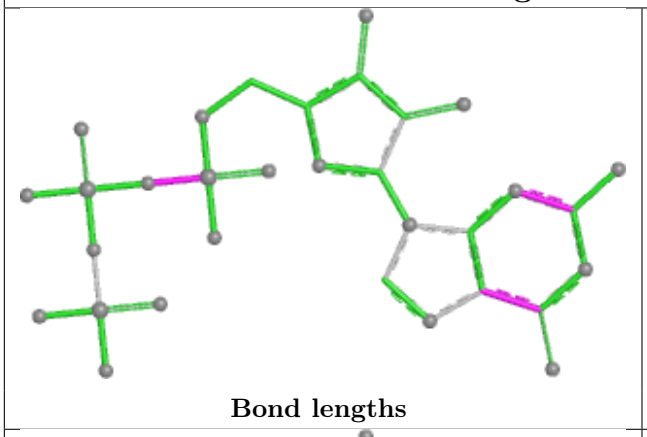

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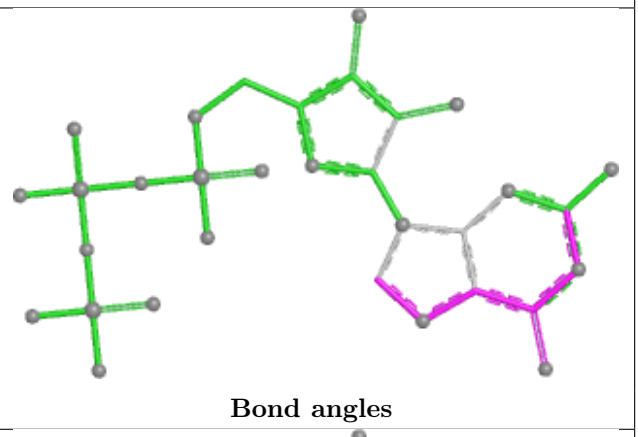

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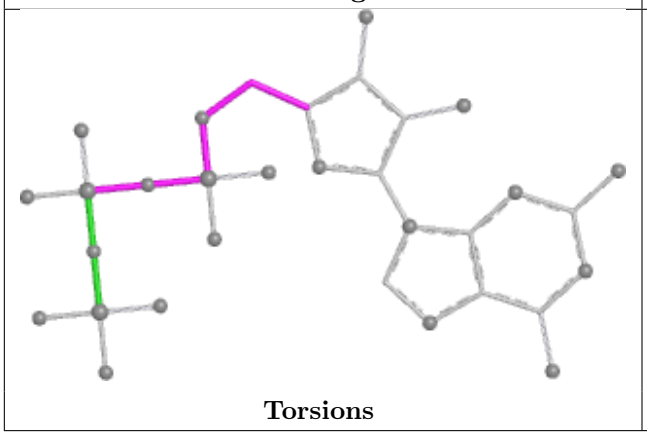

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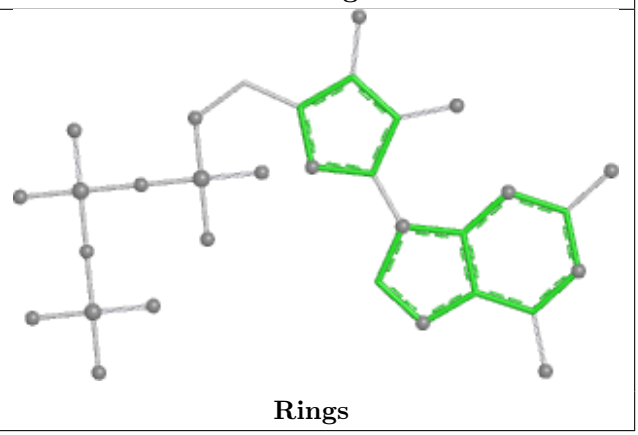
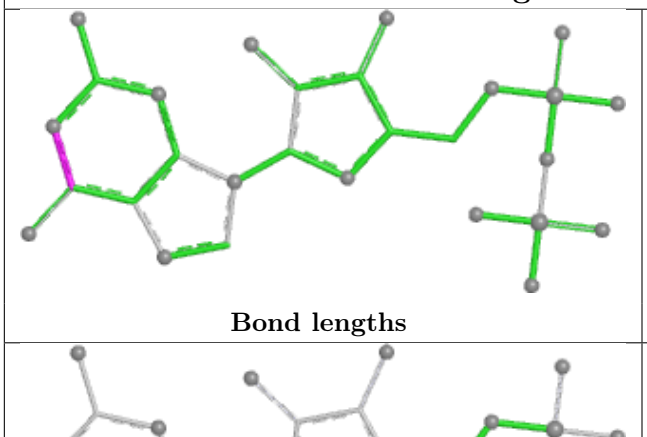


Rings

Ligand GDP A7 501



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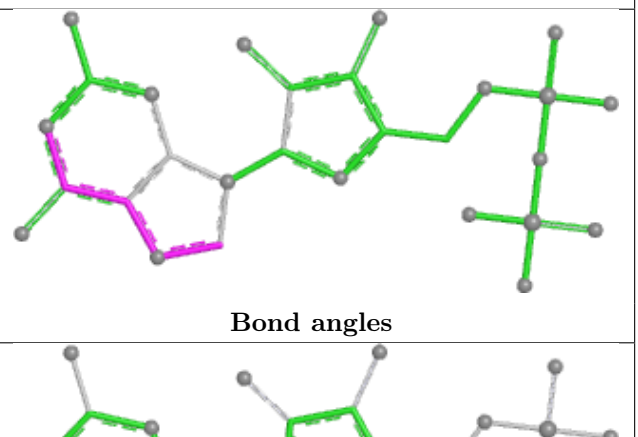

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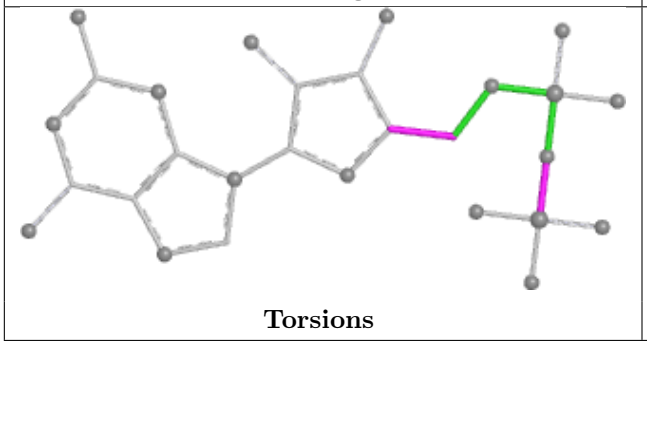

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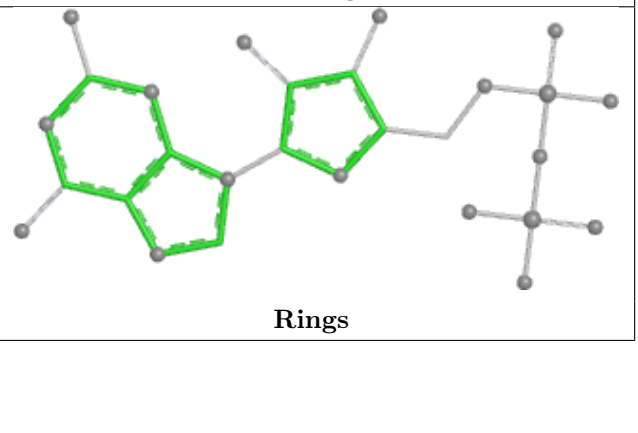
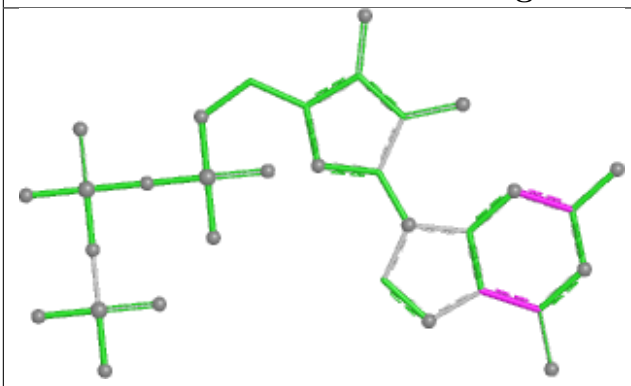


Rings

Ligand GTP At 501



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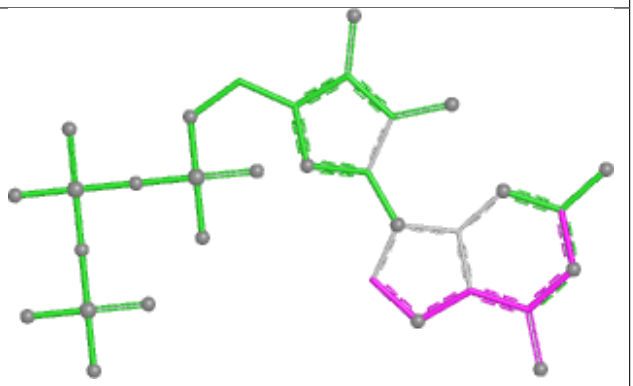

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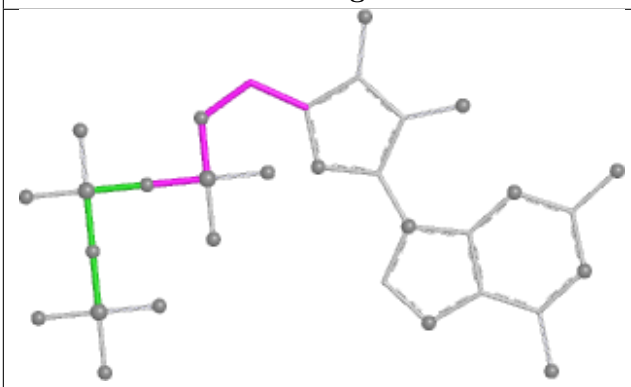

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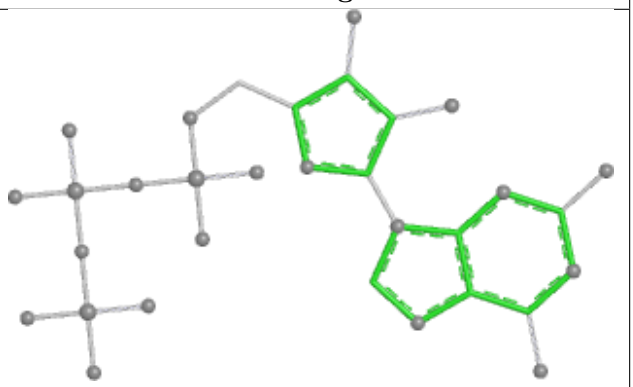
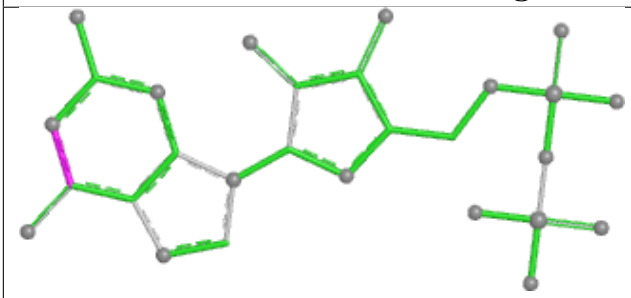


Rings

Ligand GDP B6 501



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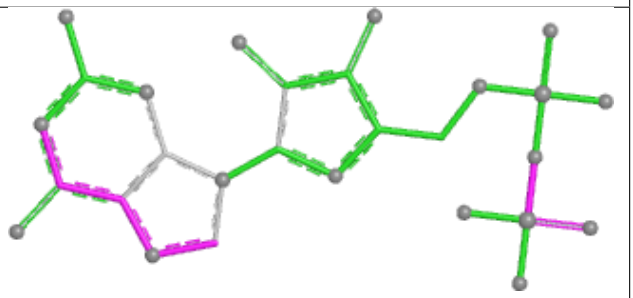

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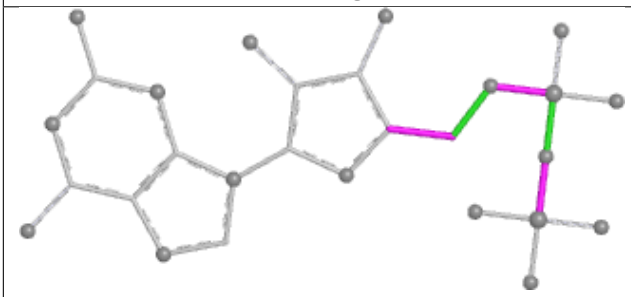

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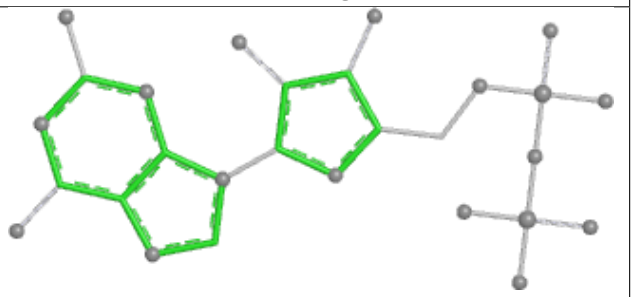
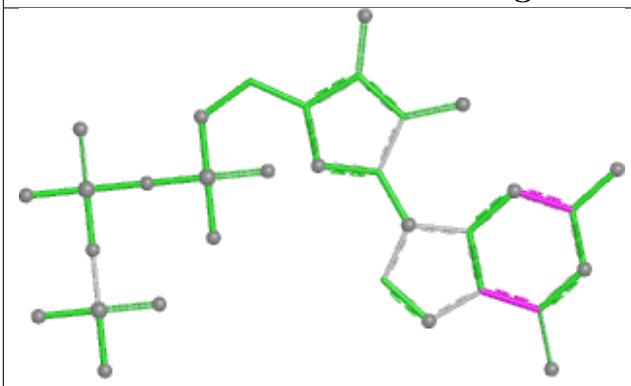


Rings

Ligand GTP Eh 501



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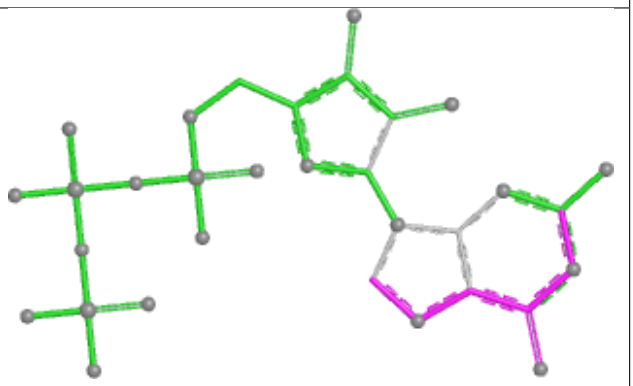

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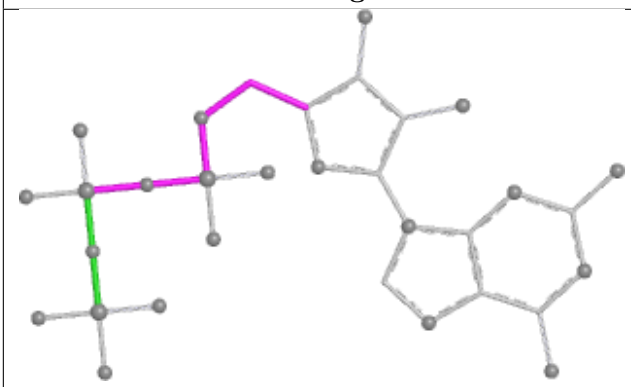
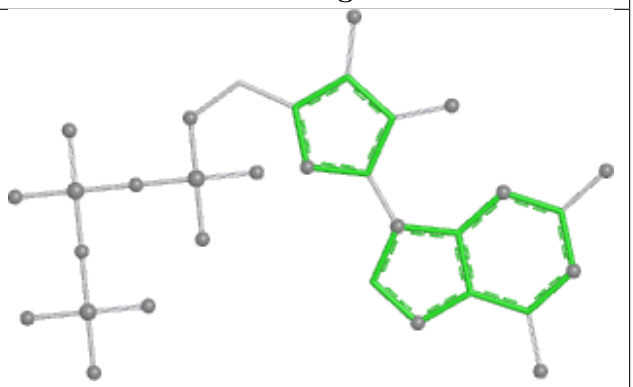
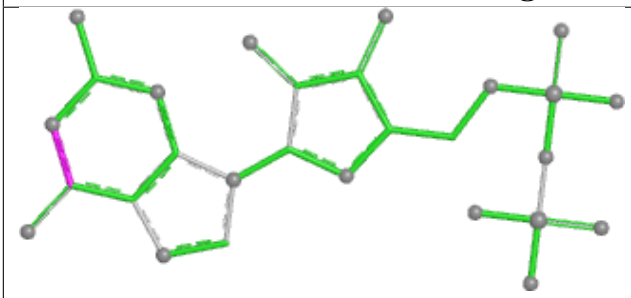


Torsions



Rings

Ligand GDP I8 502



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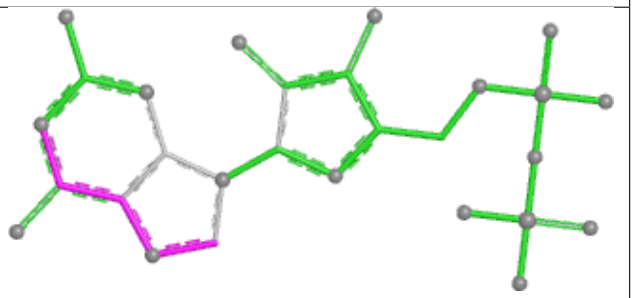

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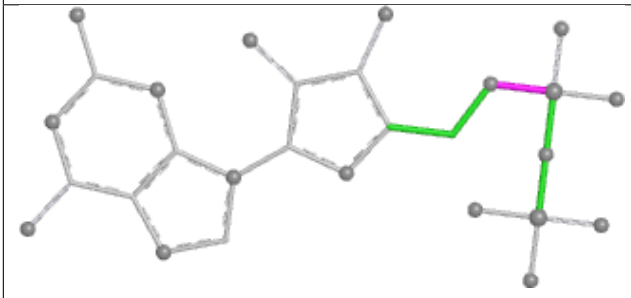

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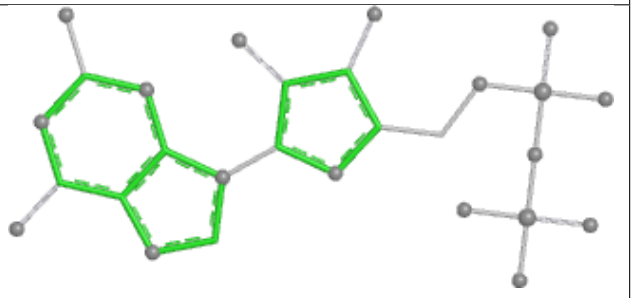
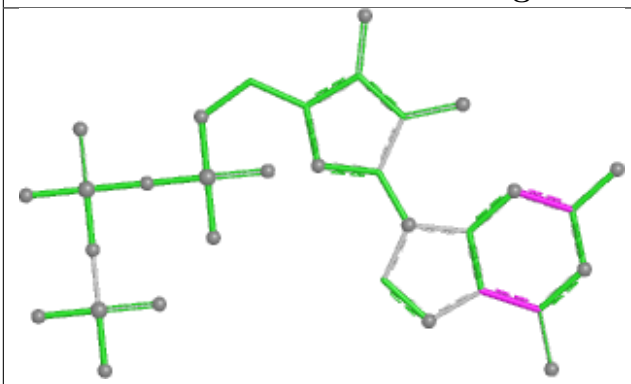


Rings

Ligand GTP 3A 501



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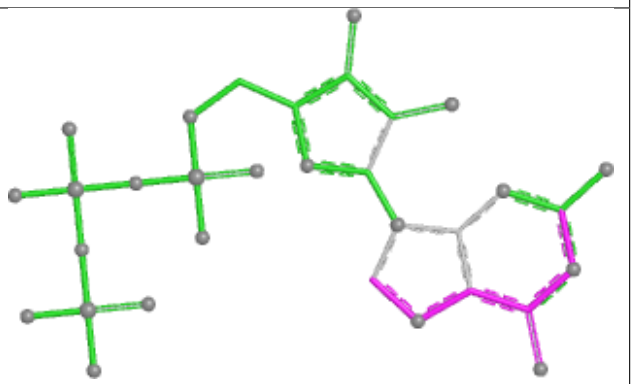

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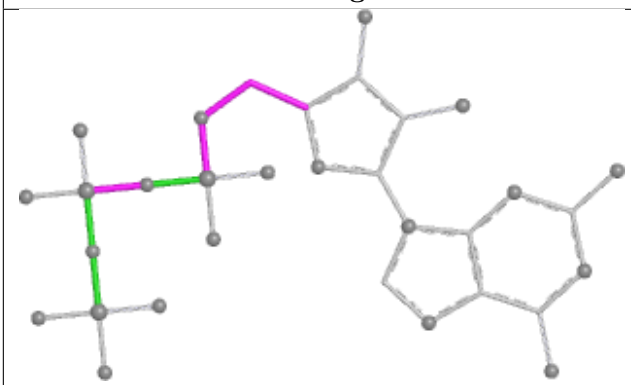

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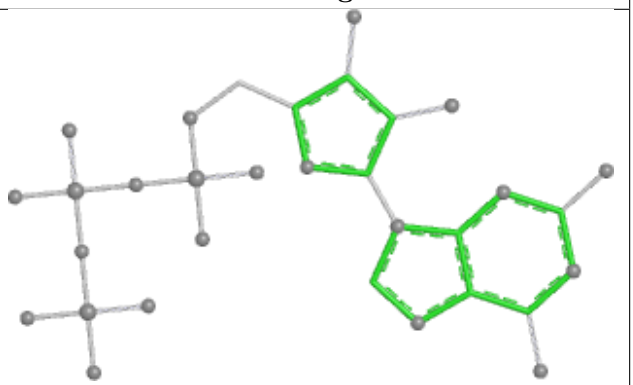
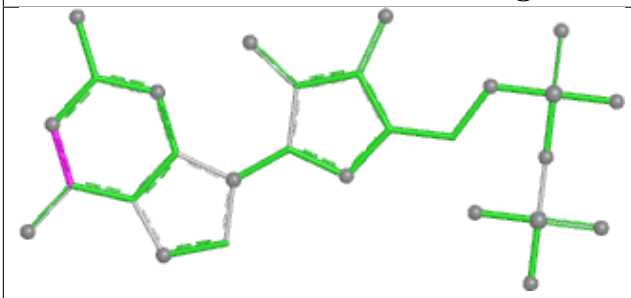


Rings

Ligand GDP Bs 501



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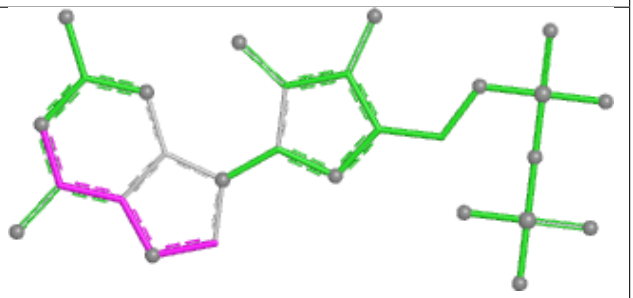

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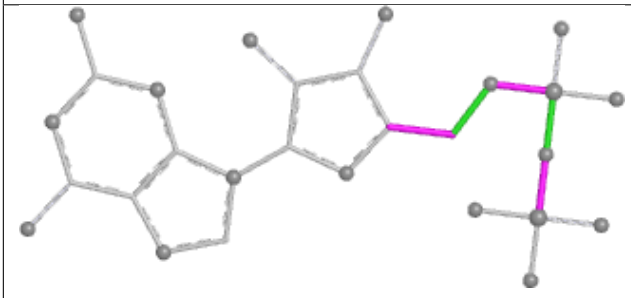

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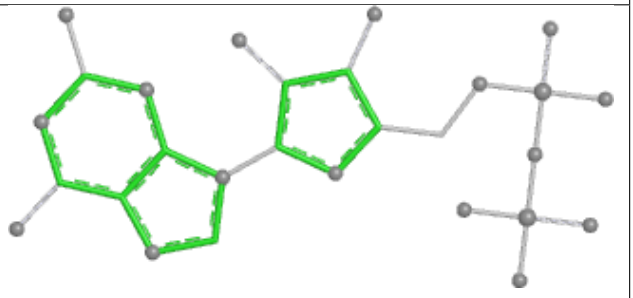
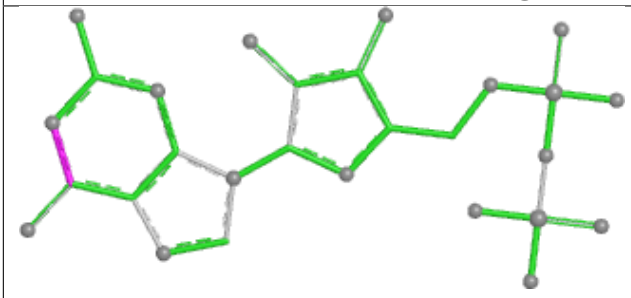
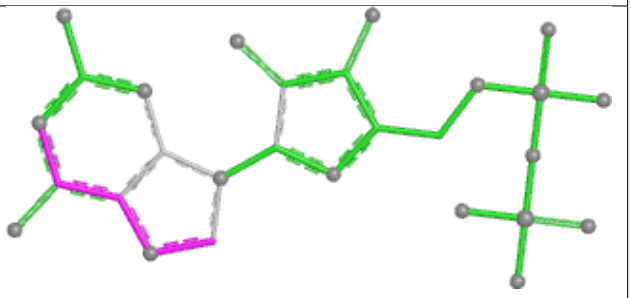
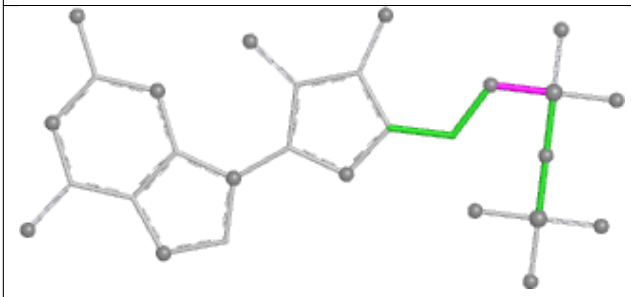
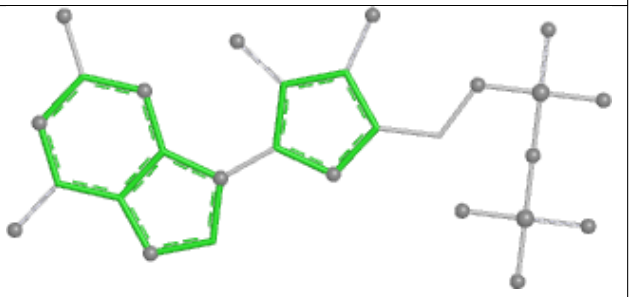


Rings

Ligand GDP 8J 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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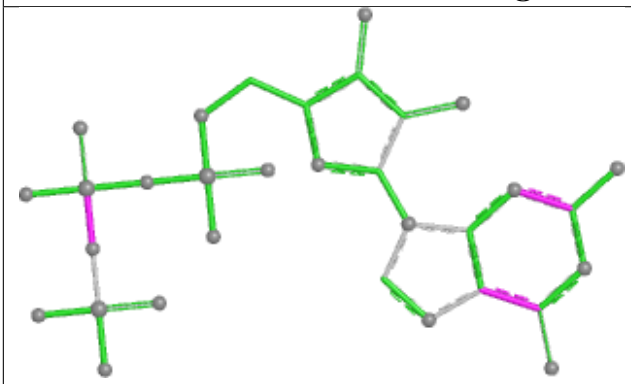
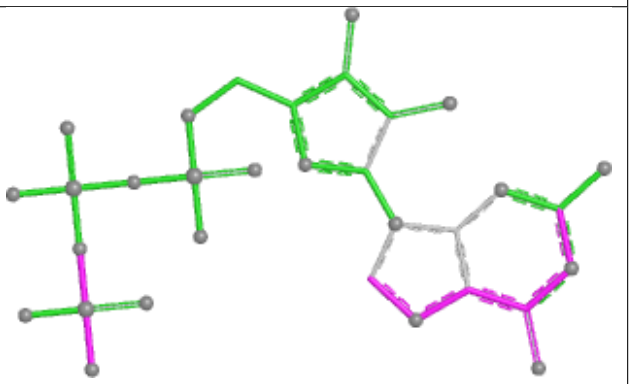
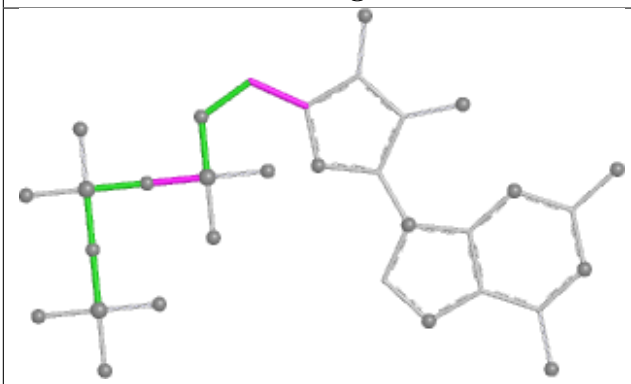
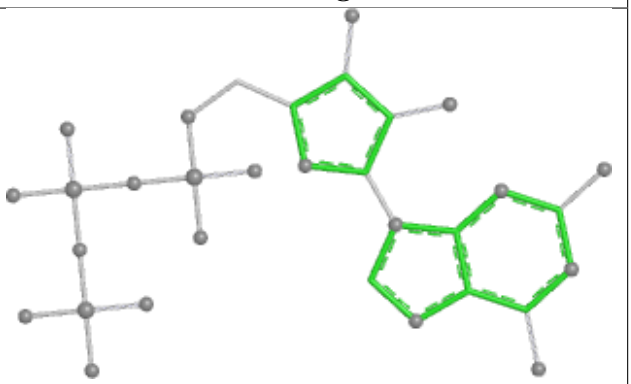
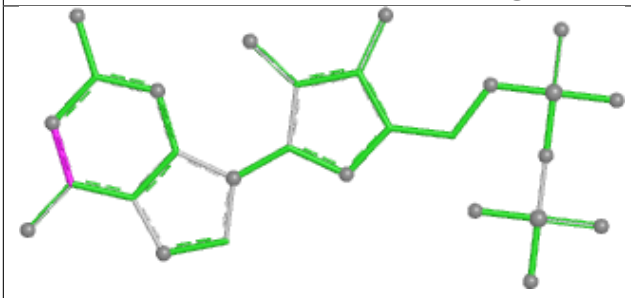
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP BO 501



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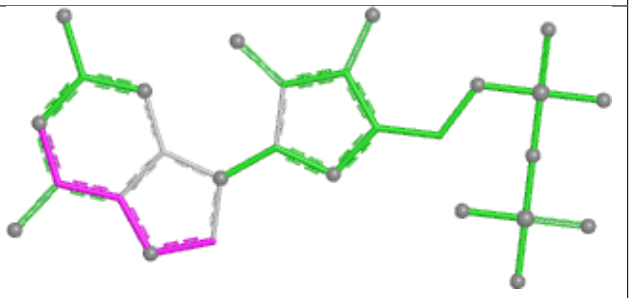

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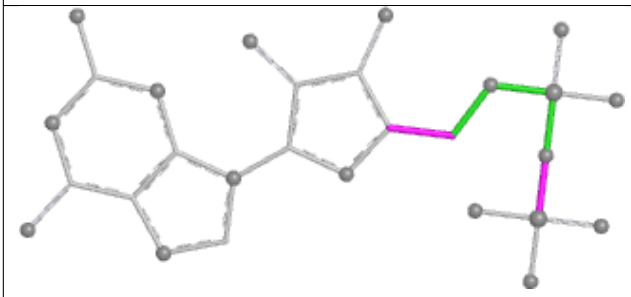

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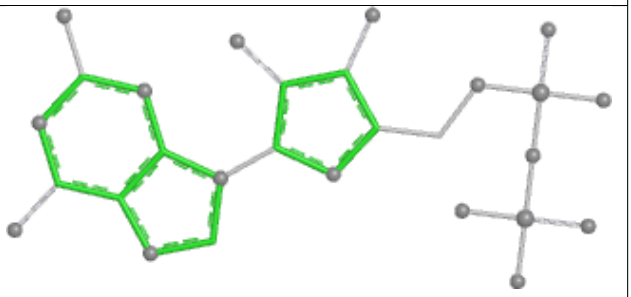
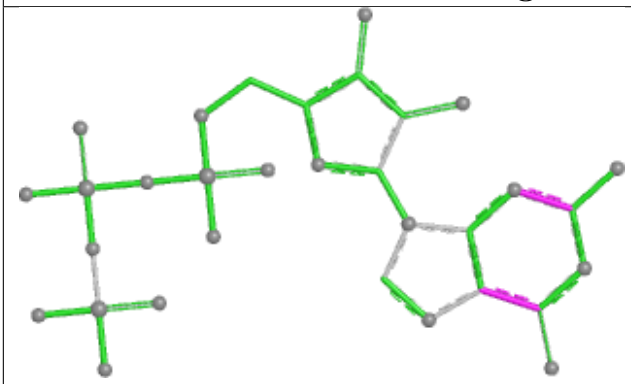


Rings

Ligand GTP Fg 501



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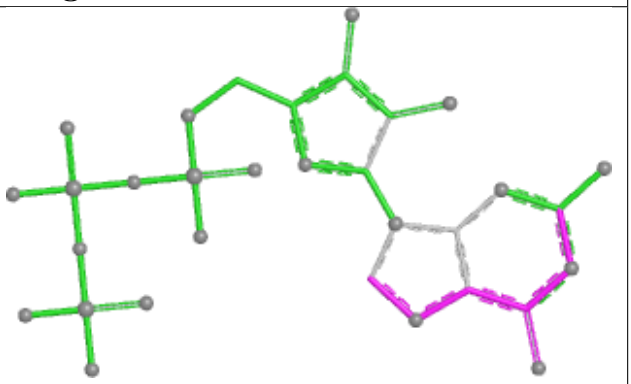

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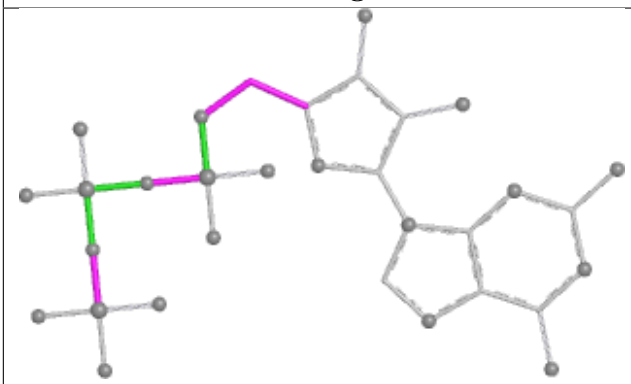

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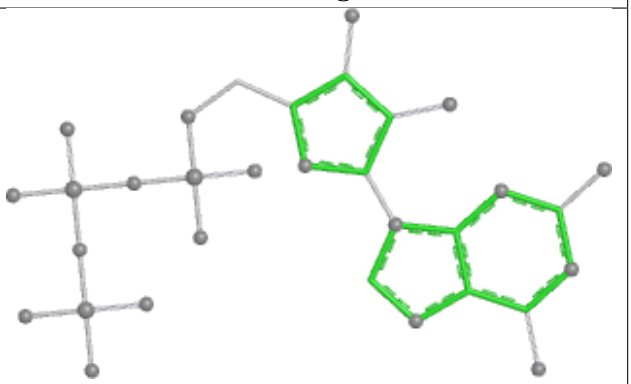
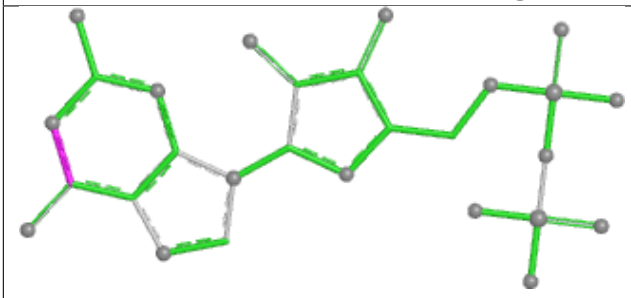
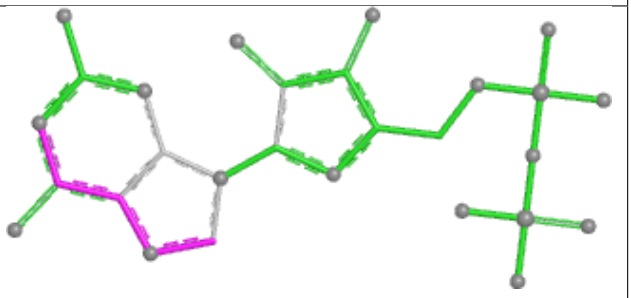
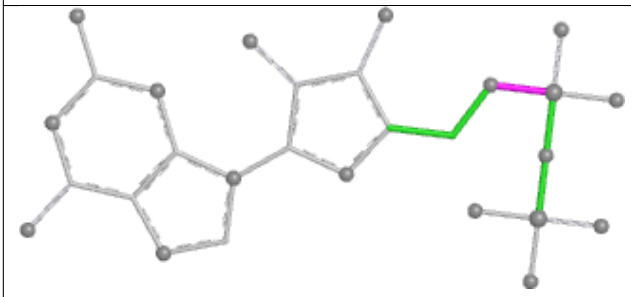
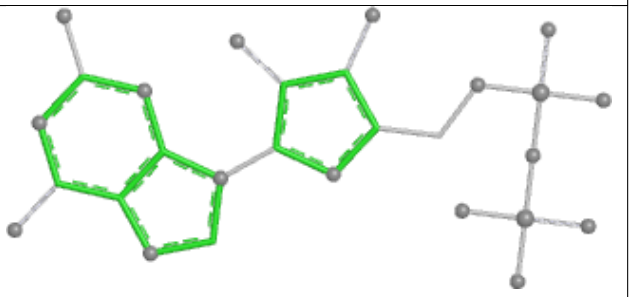
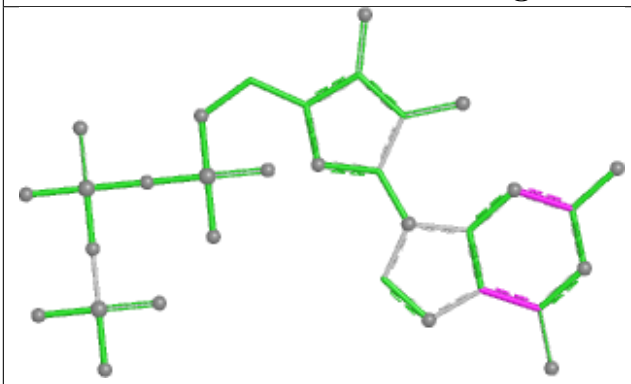
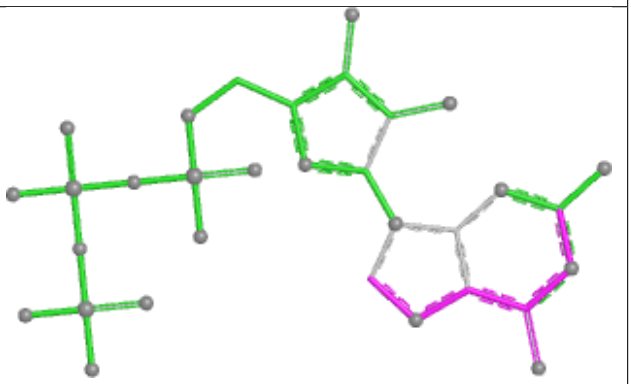
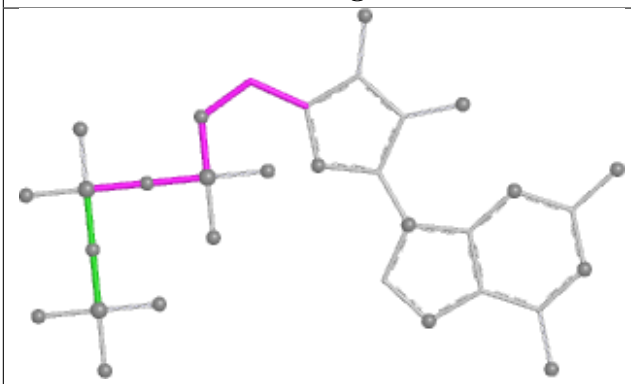
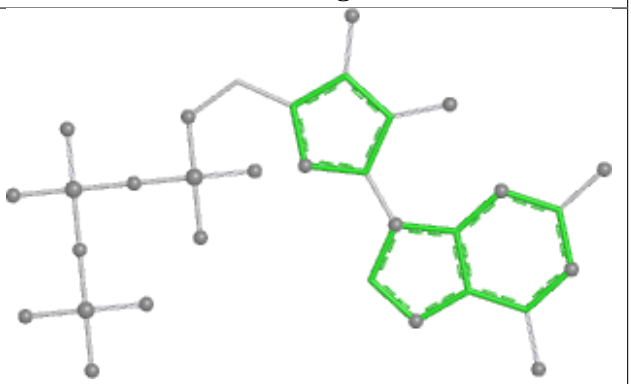
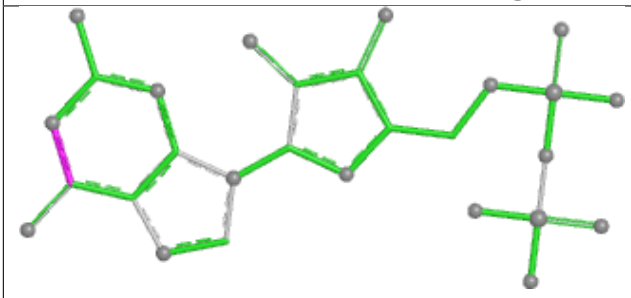


Rings

Ligand GDP 8H 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP G1 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP NF 502



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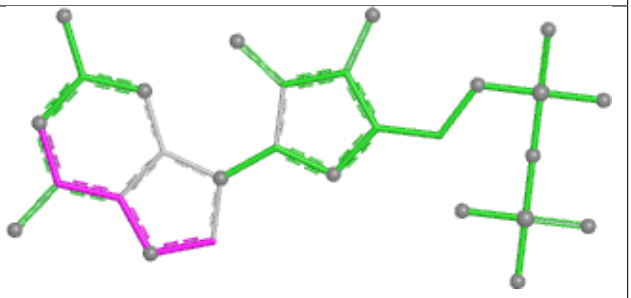

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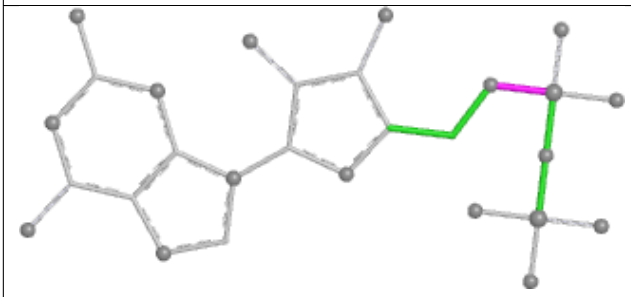
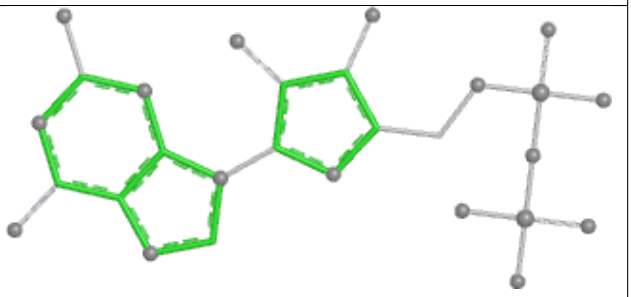
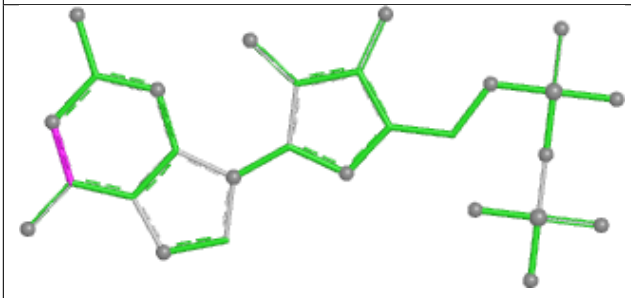


Torsions



Rings

Ligand GDP K8 501



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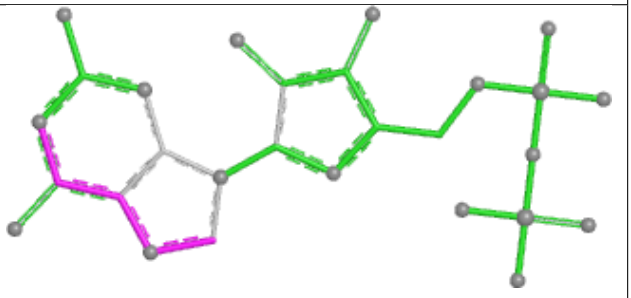

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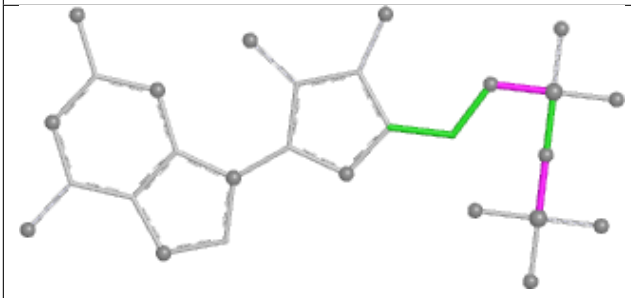

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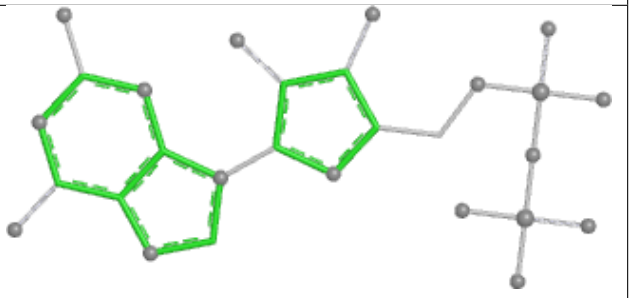
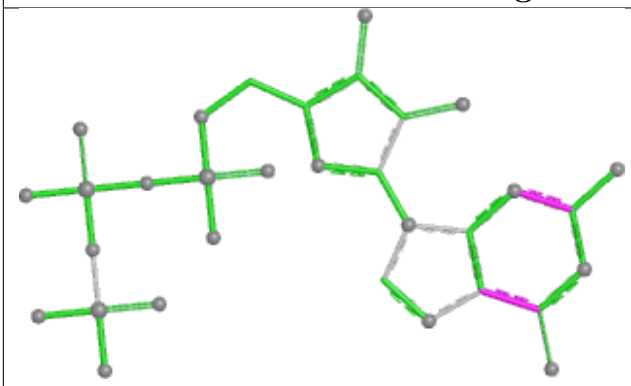


Rings

Ligand GTP Ce 502



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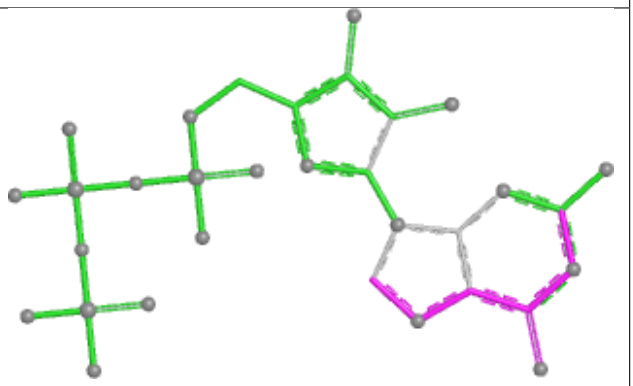

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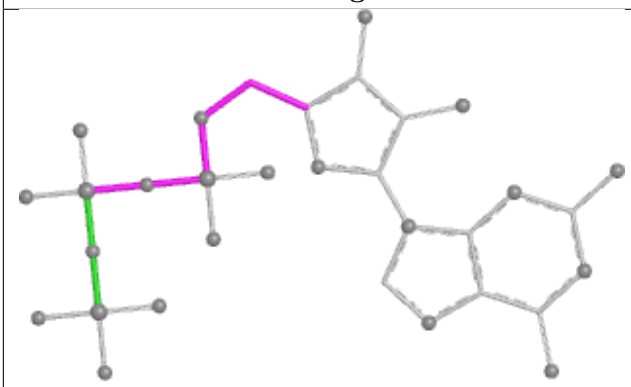

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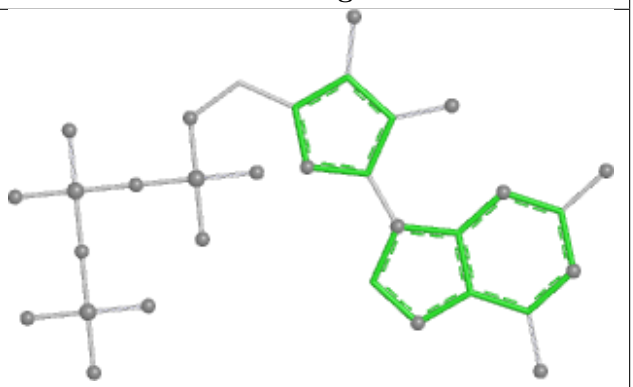
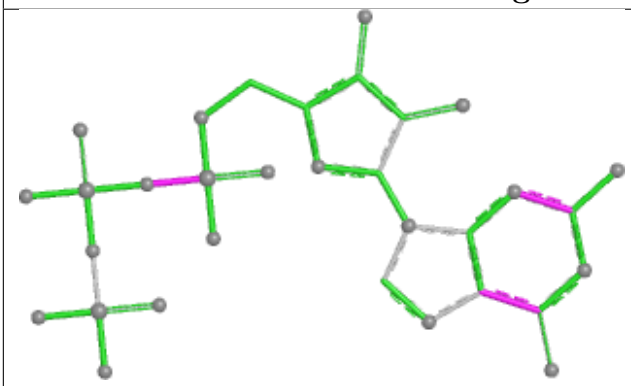


Rings

Ligand GTP K9 501



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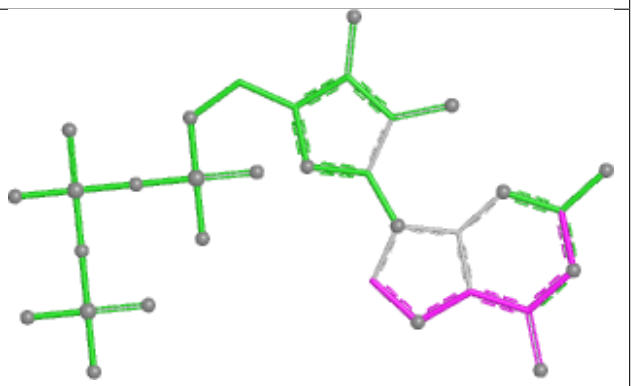
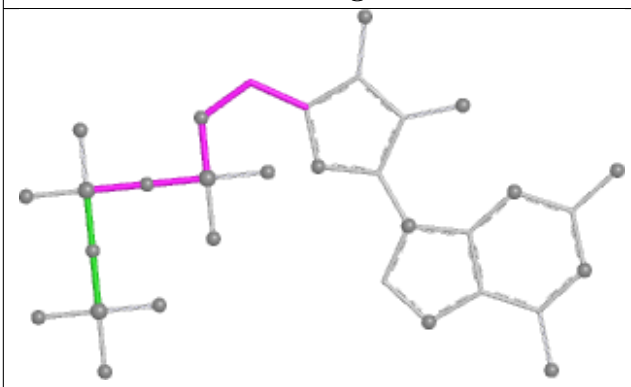


Bond angles



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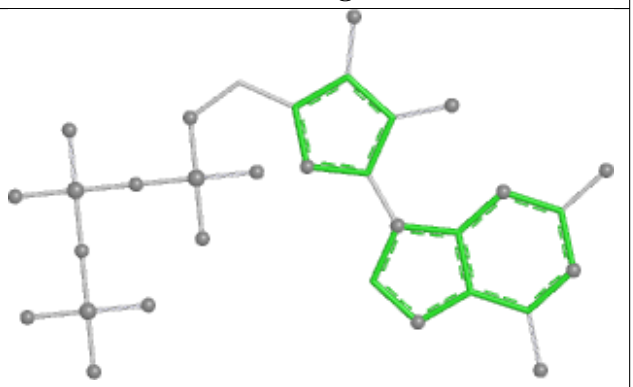
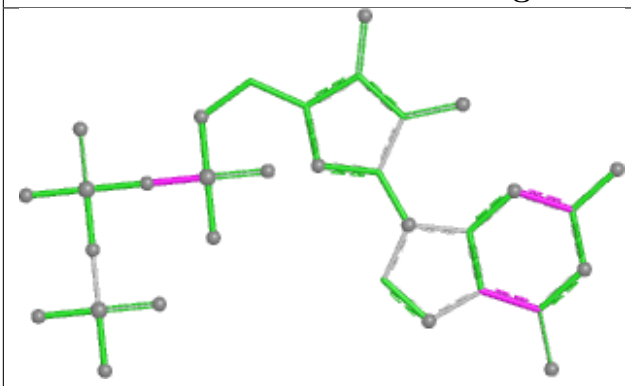


Rings

Ligand GTP X6 501



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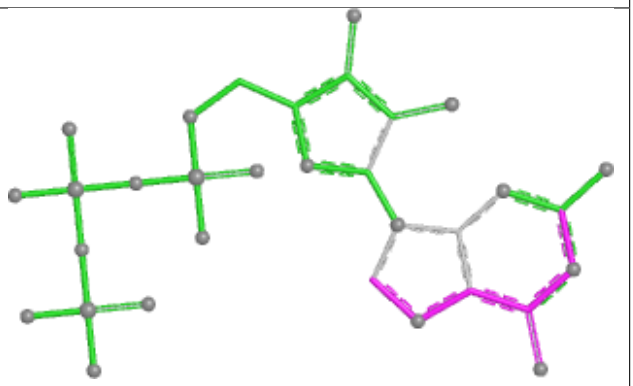

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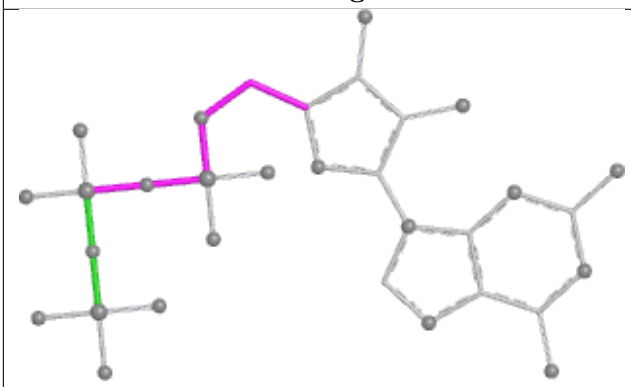

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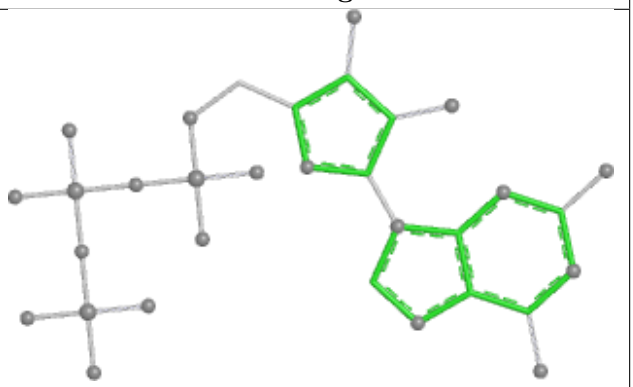
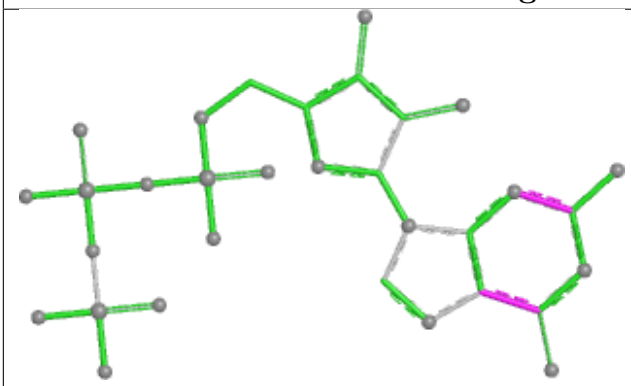


Rings

Ligand GTP Ei 501



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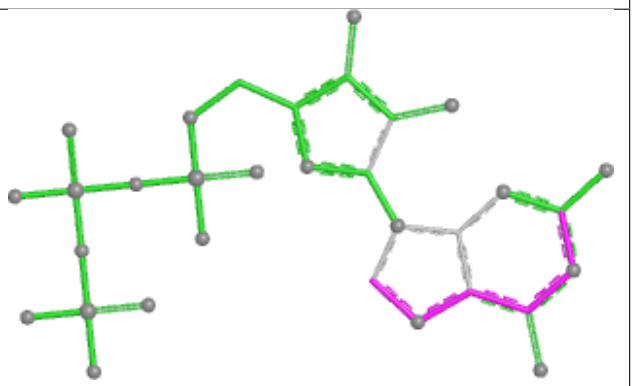

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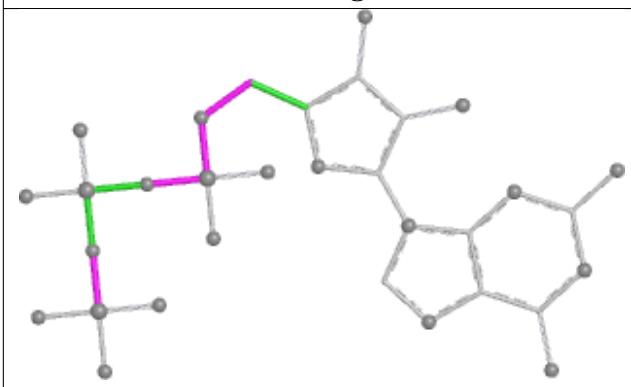

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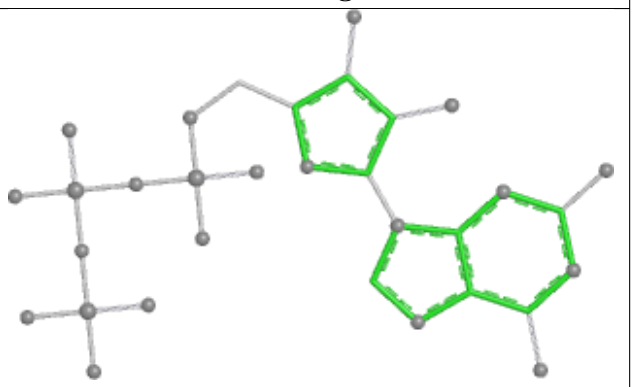
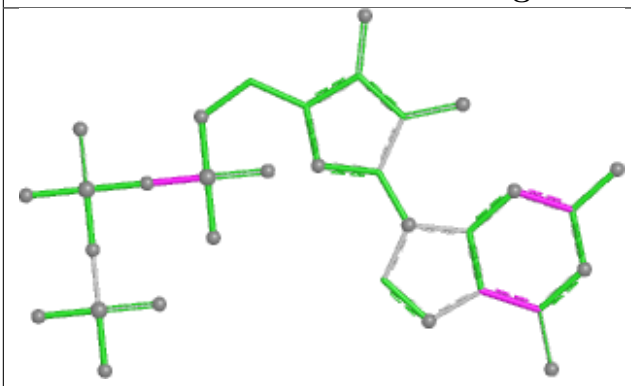


Rings

Ligand GTP V8 501



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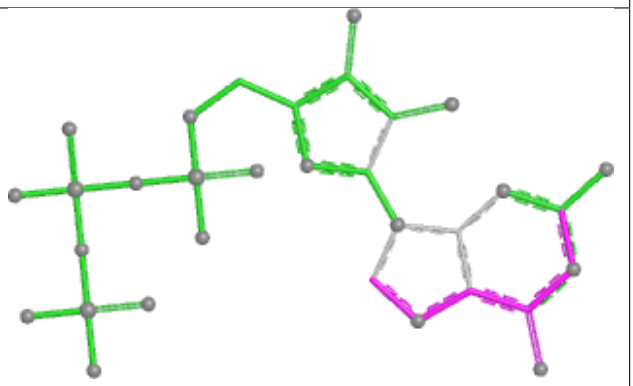

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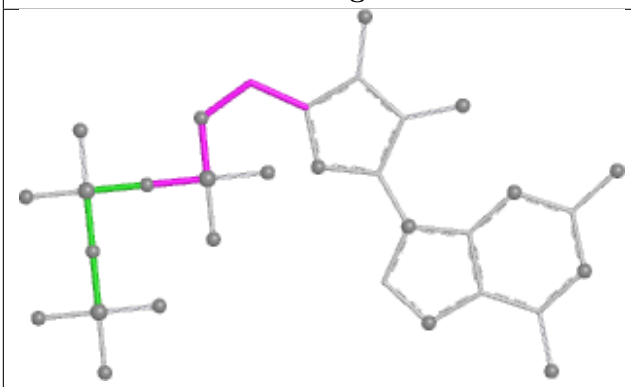

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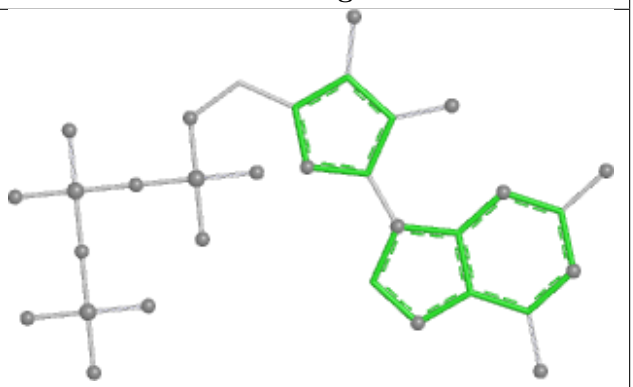
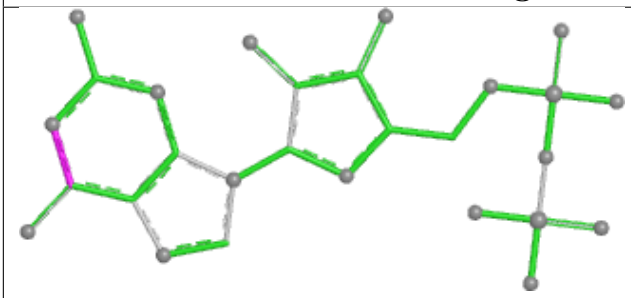


Rings

Ligand GDP Fk 502



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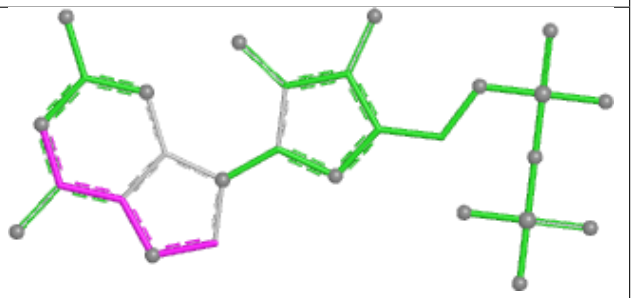

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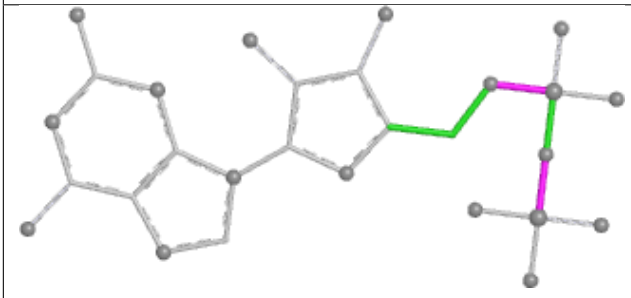

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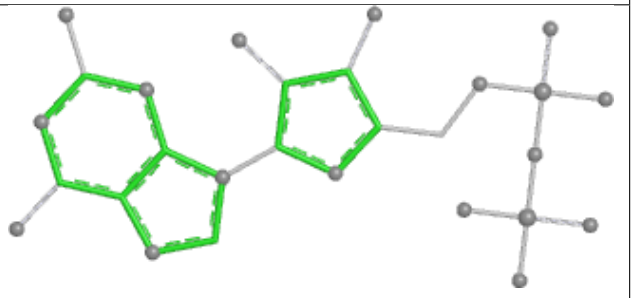
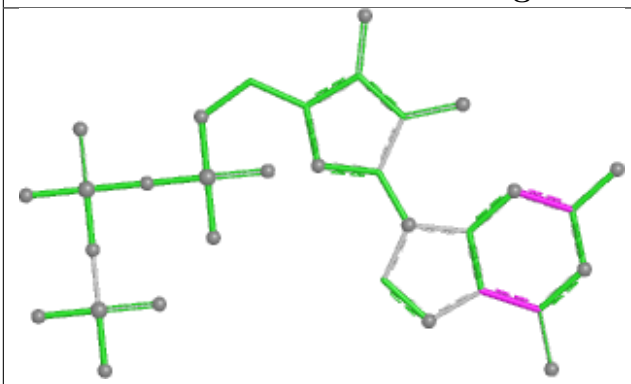


Rings

Ligand GTP O4 502



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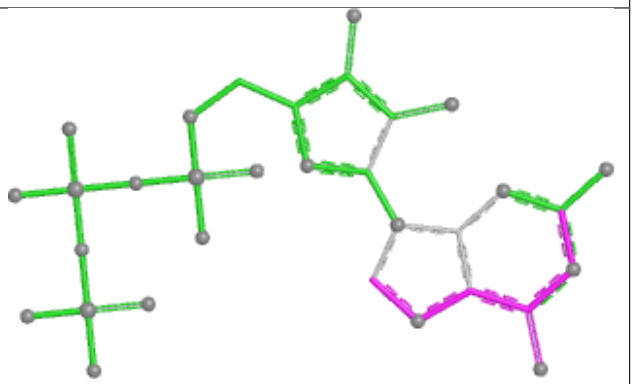

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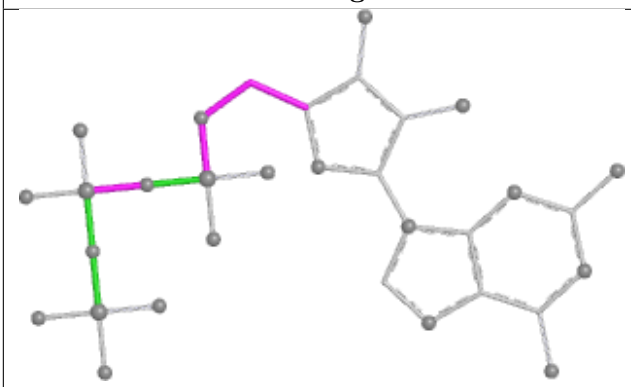

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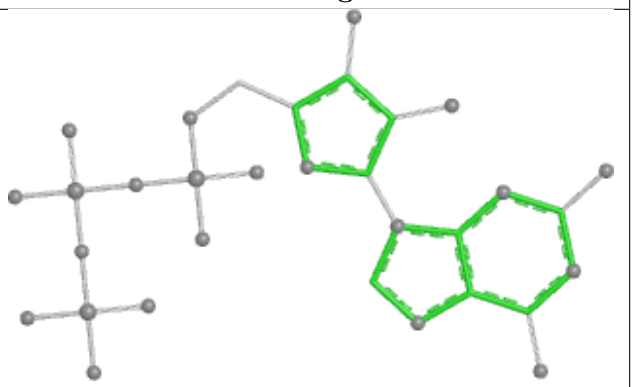
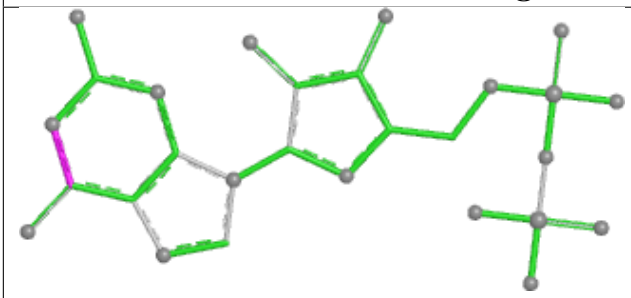


Rings

Ligand GDP Nf 502



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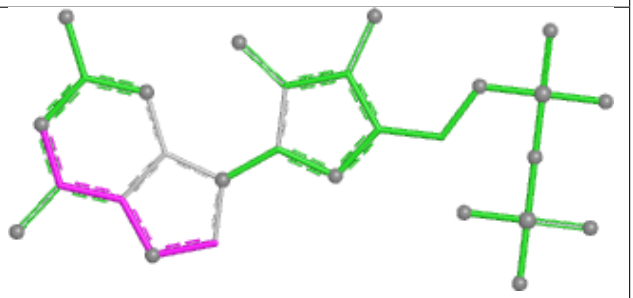

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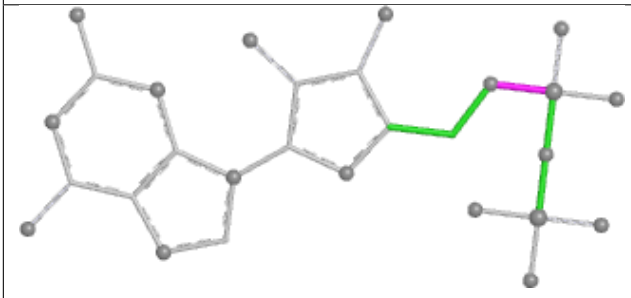

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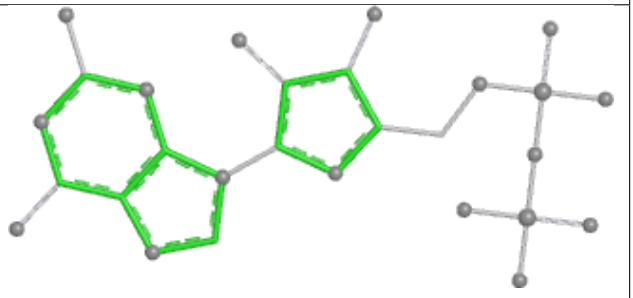
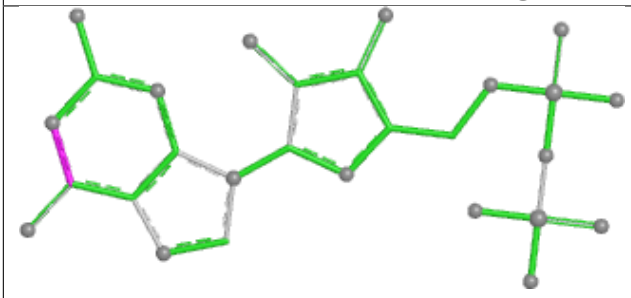
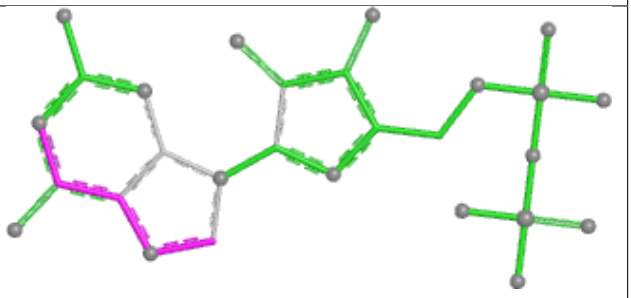
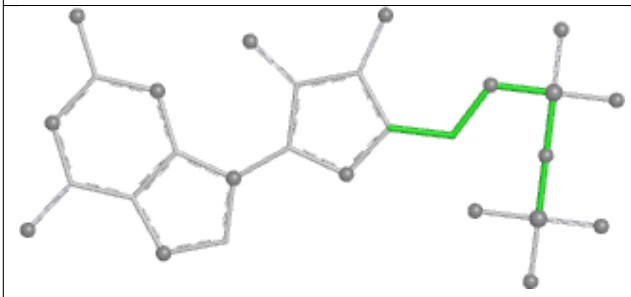
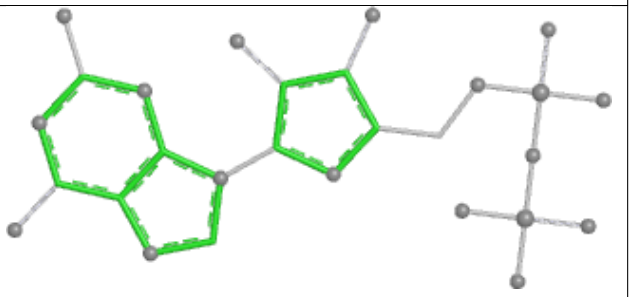


Rings

Ligand GDP Z0 502	
	
Bond lengths	Bond angles
	
Torsions	Rings

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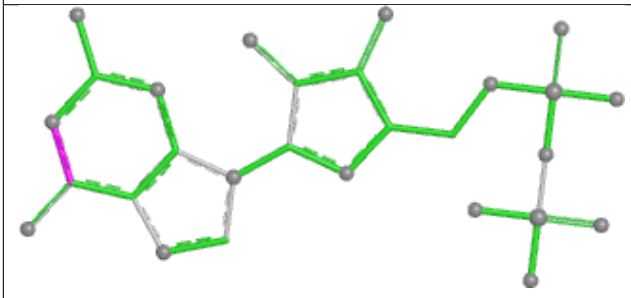	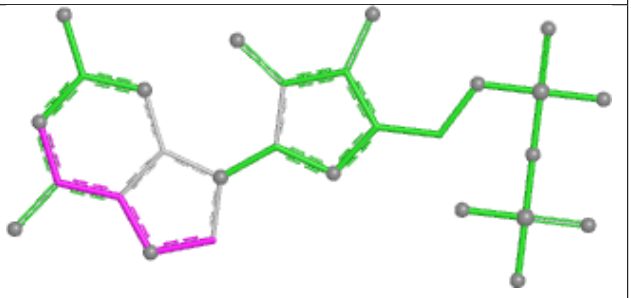
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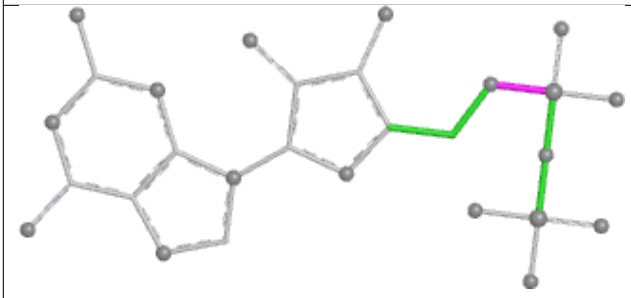	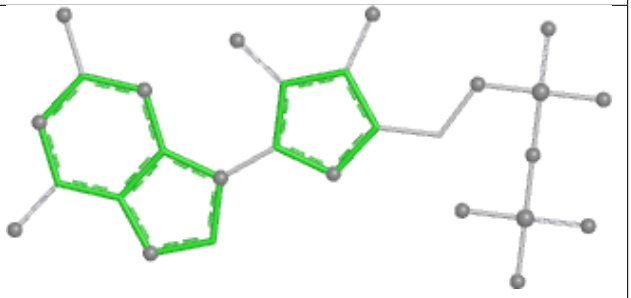
Torsions	Rings

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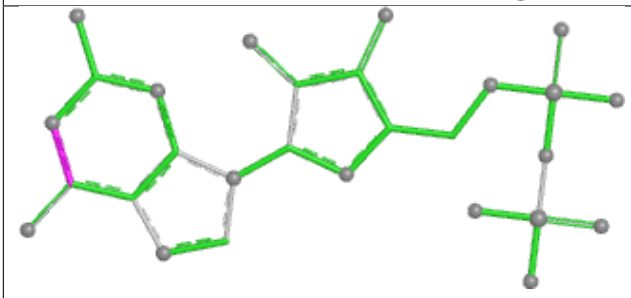
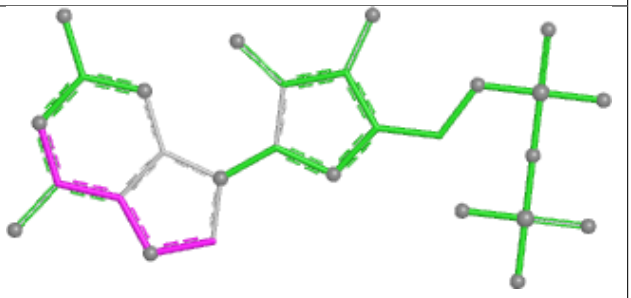
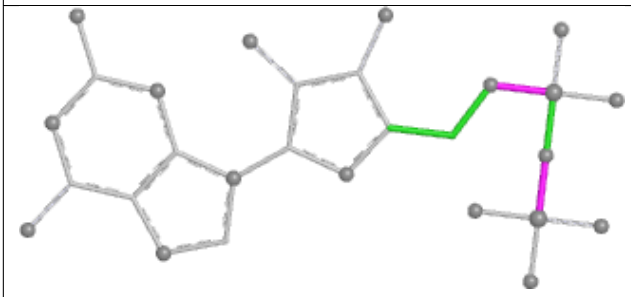
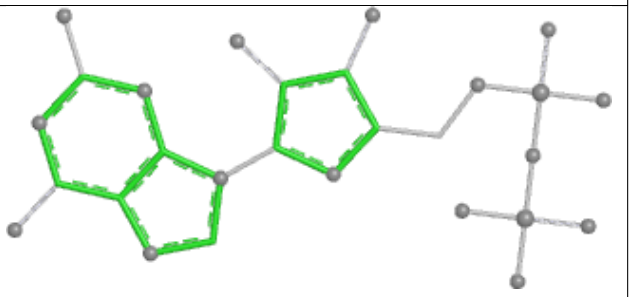
 Bond lengths	 Bond angles
 Torsions	 Rings

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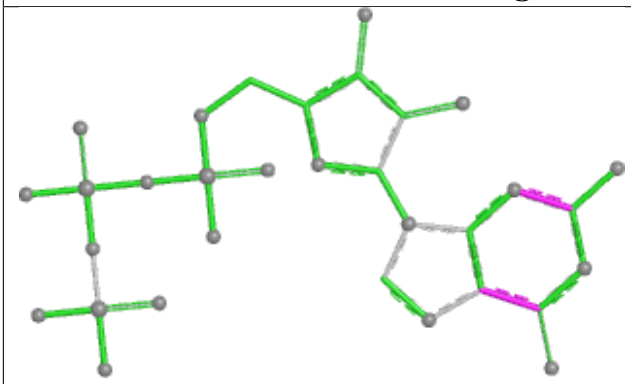
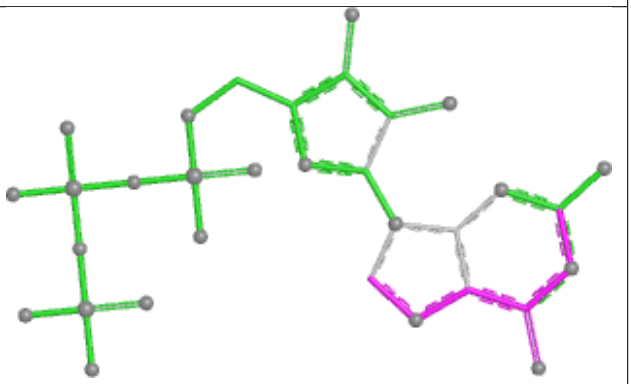
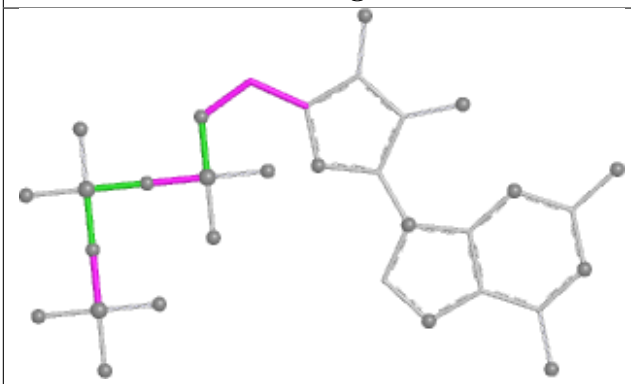
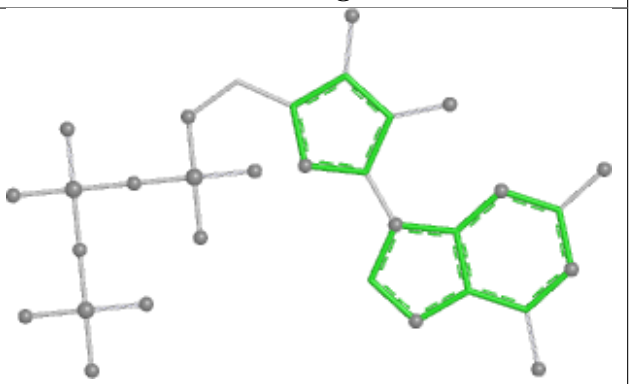
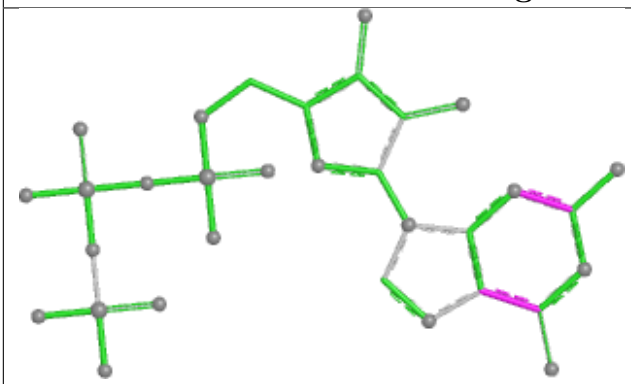
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Fx 501



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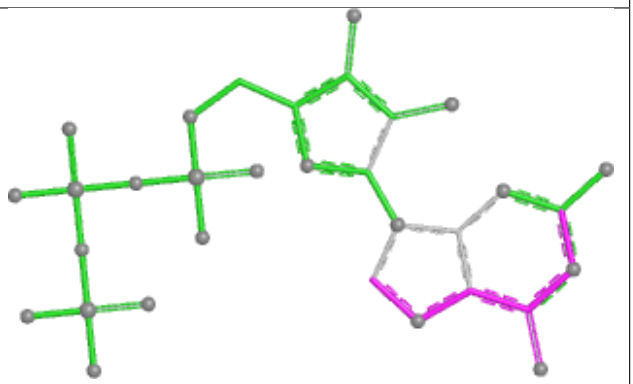

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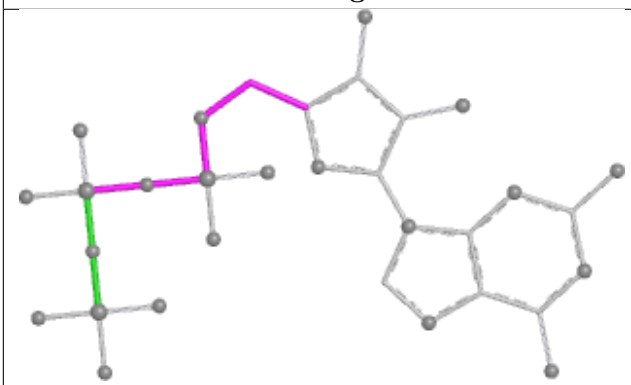

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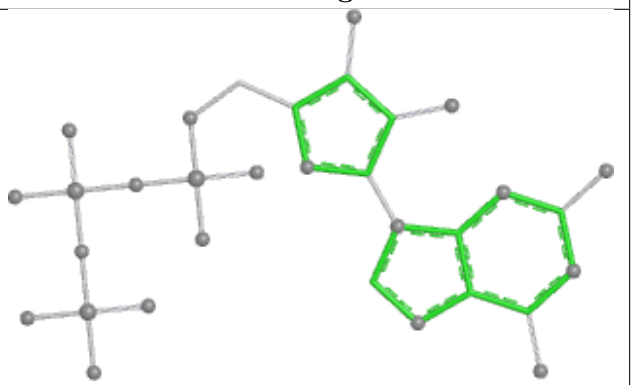
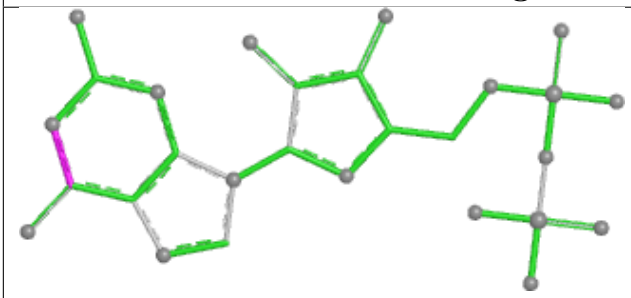


Rings

Ligand GDP Y6 502



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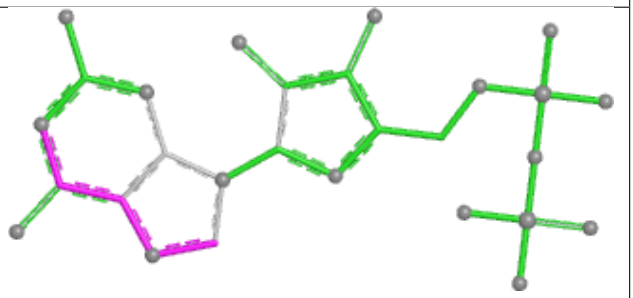
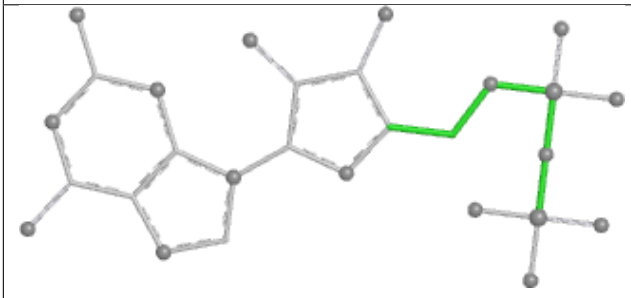


Bond angles



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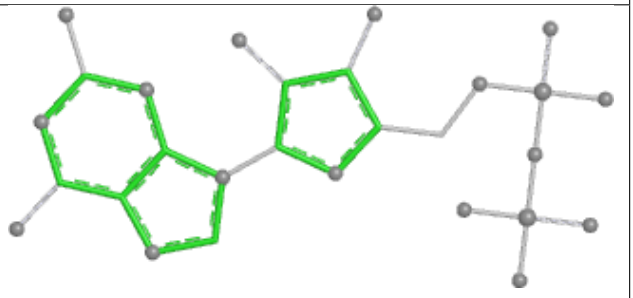
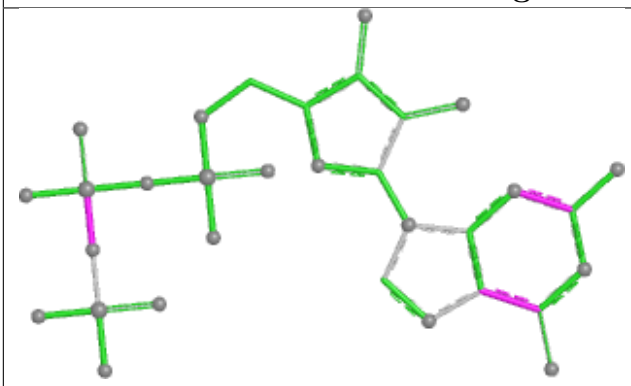


Rings

Ligand GTP 0V 501



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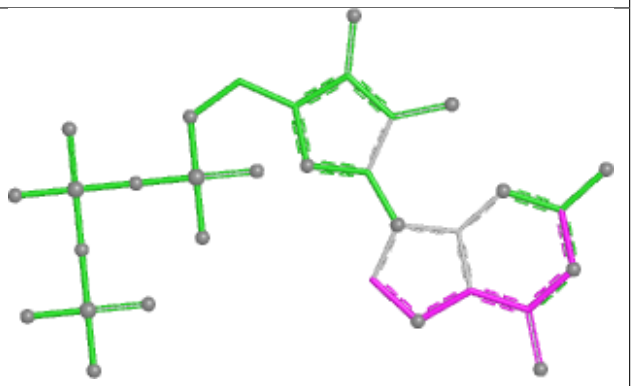
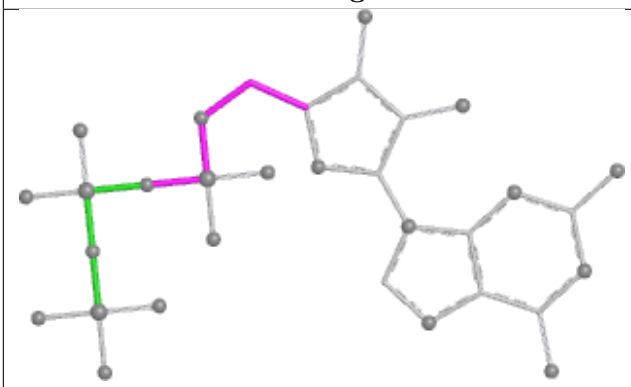


Bond angles



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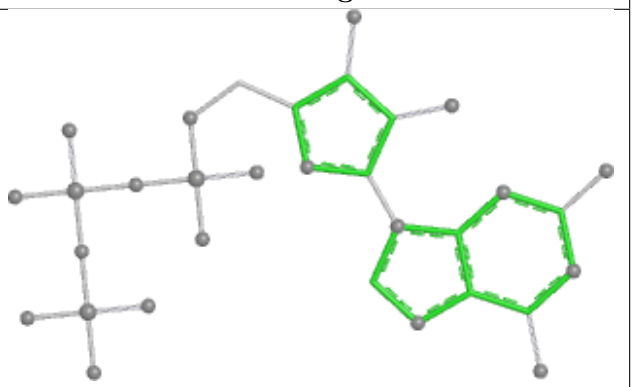
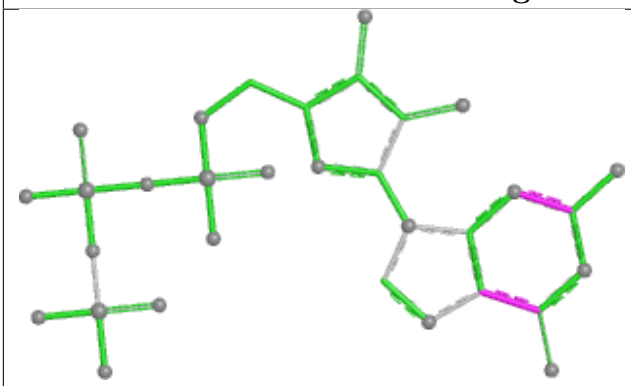


Rings

Ligand GTP K6 501



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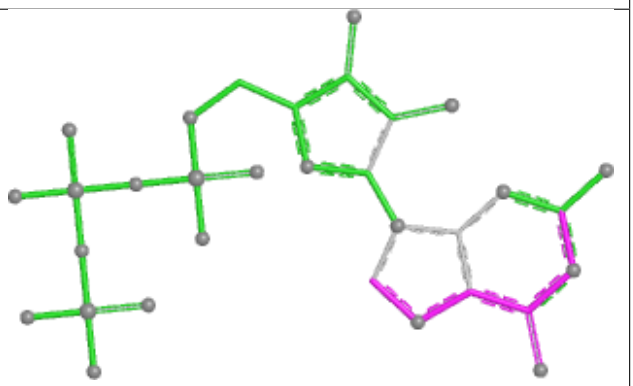

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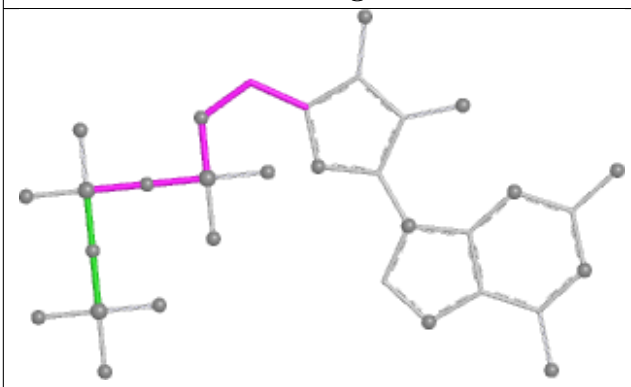

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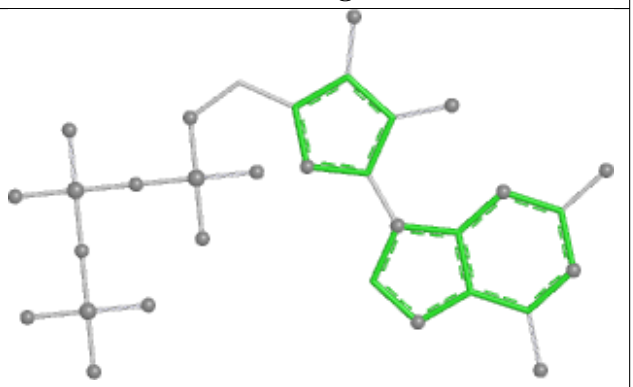
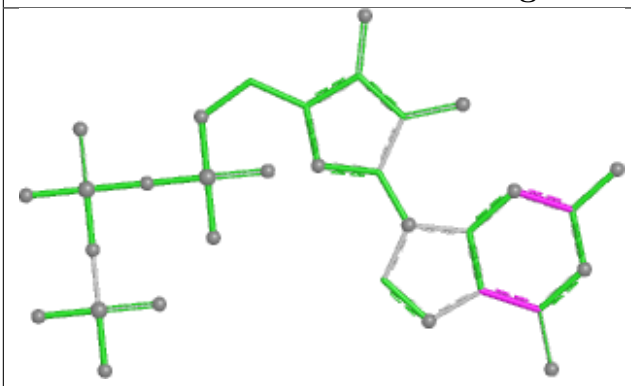


Rings

Ligand GTP Fl 501



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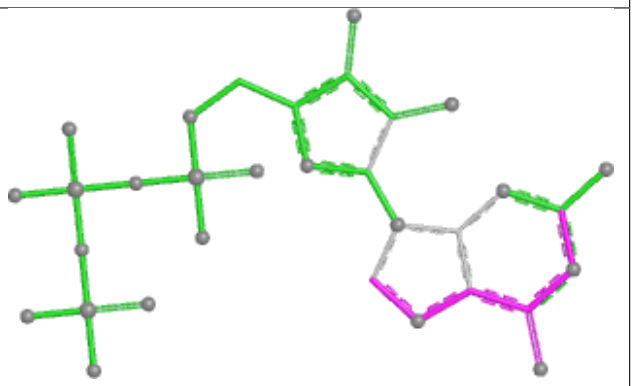

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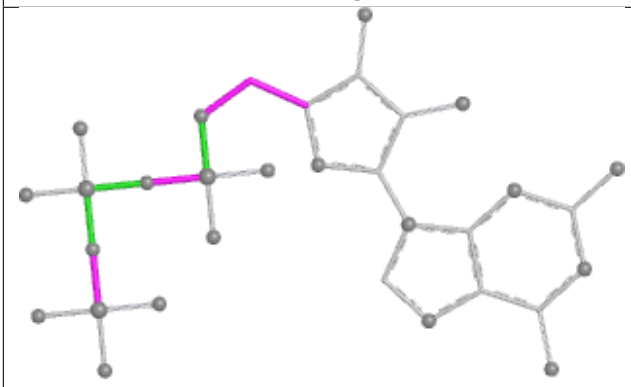
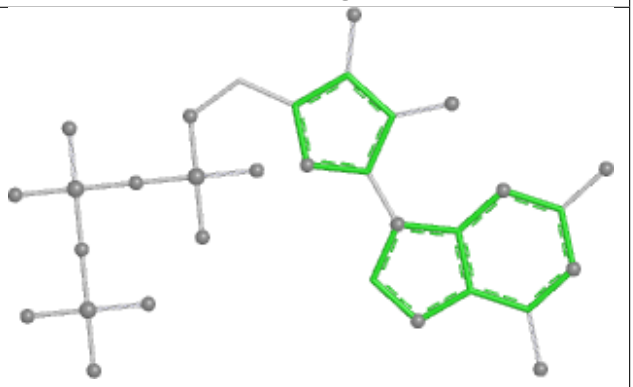
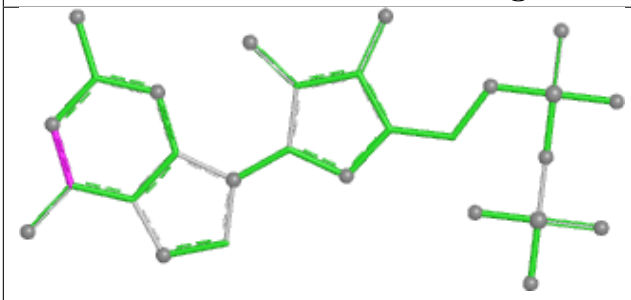


Torsions



Rings

Ligand GDP DZ 502



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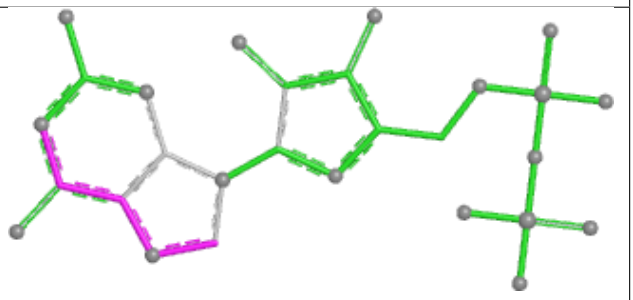

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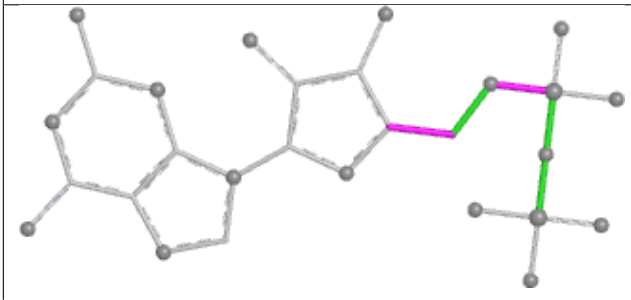

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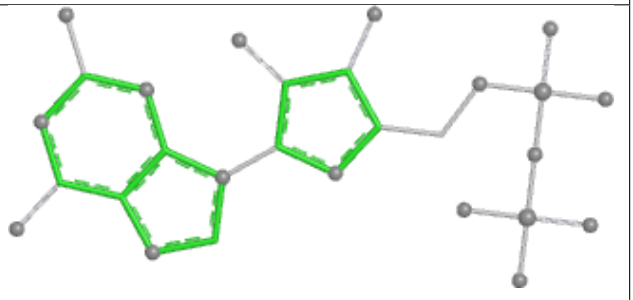
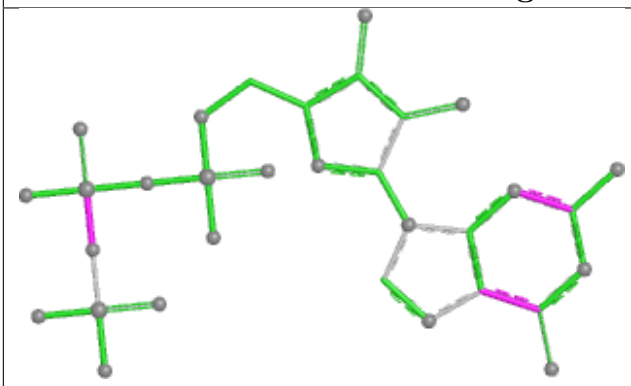


Rings

Ligand GTP 2S 501



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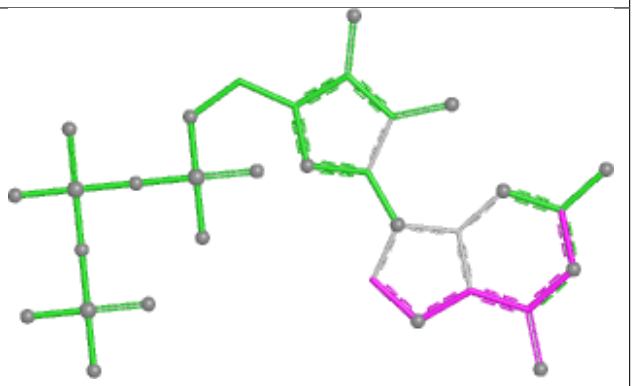

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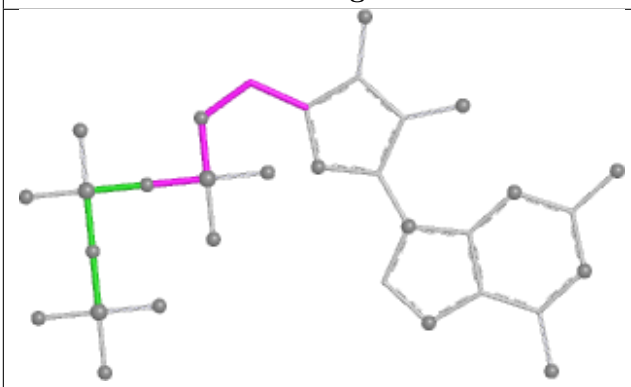

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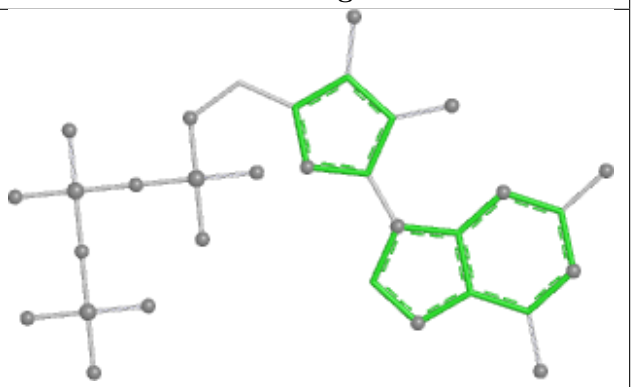
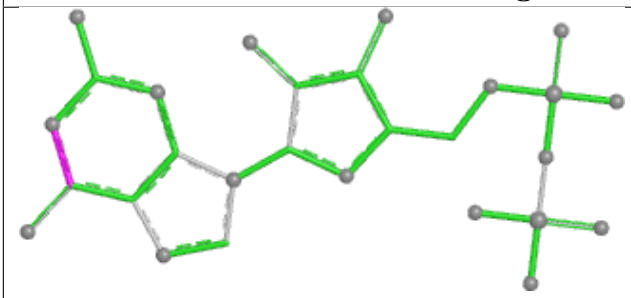


Rings

Ligand GDP Jh 503



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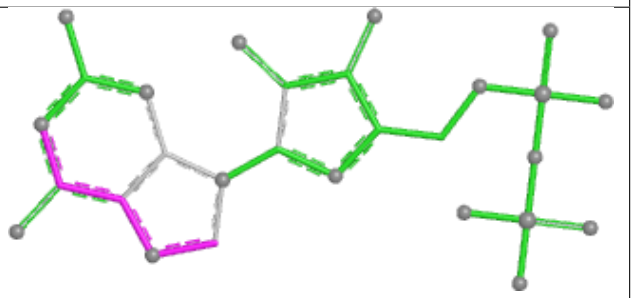

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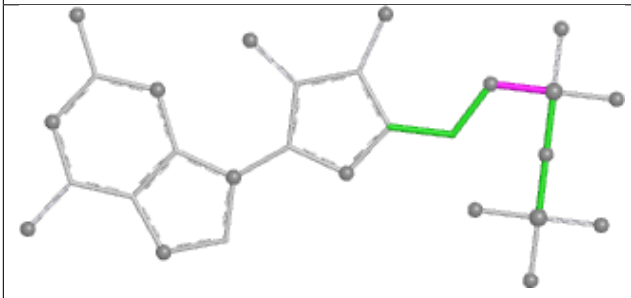

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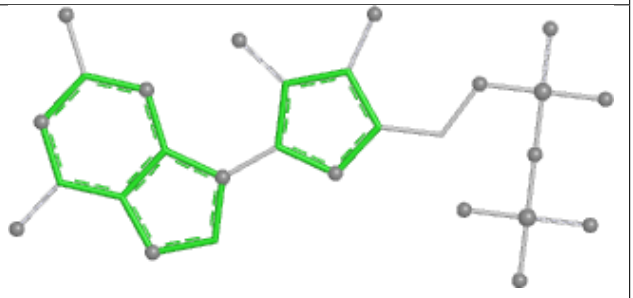
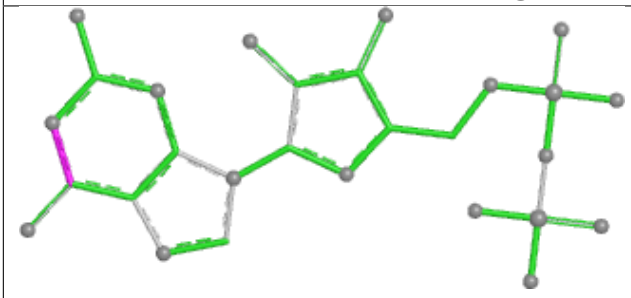
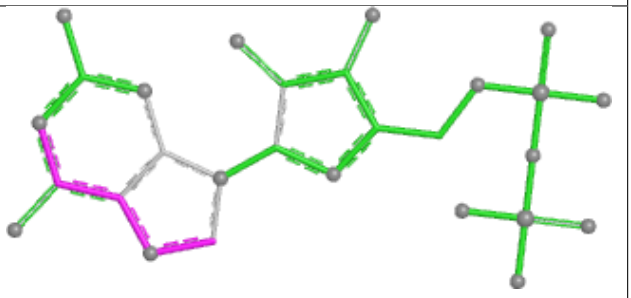
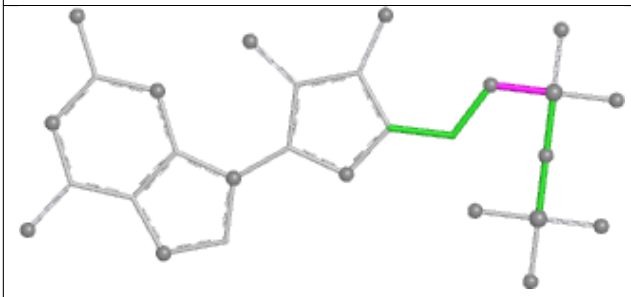
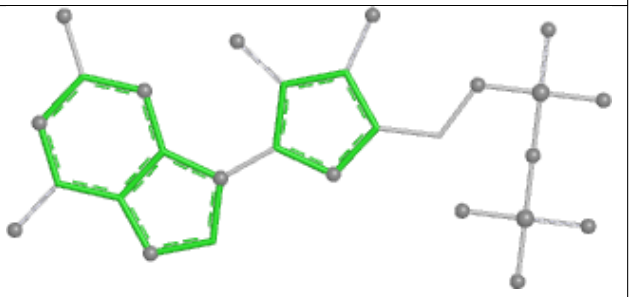


Rings

Ligand GDP R0 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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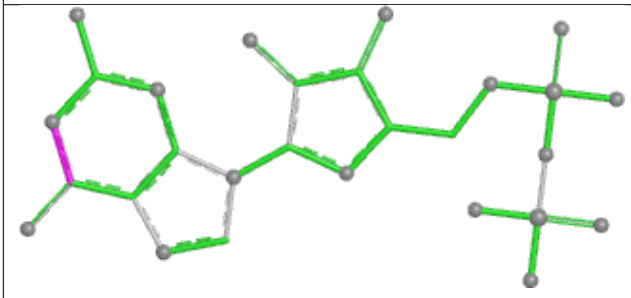
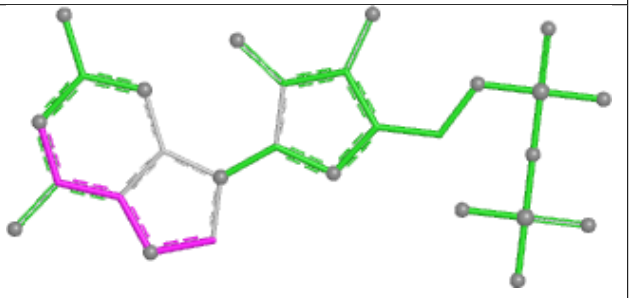
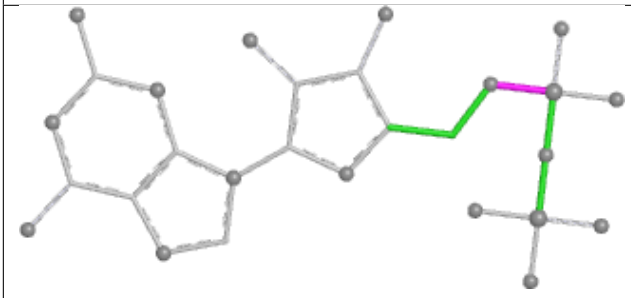
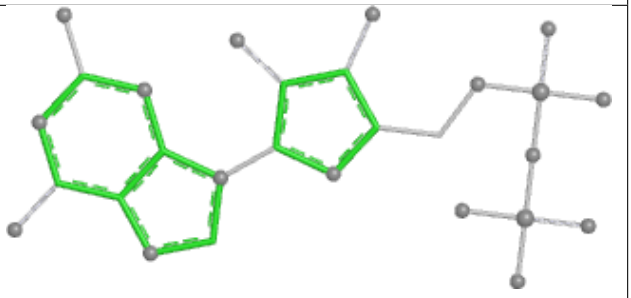
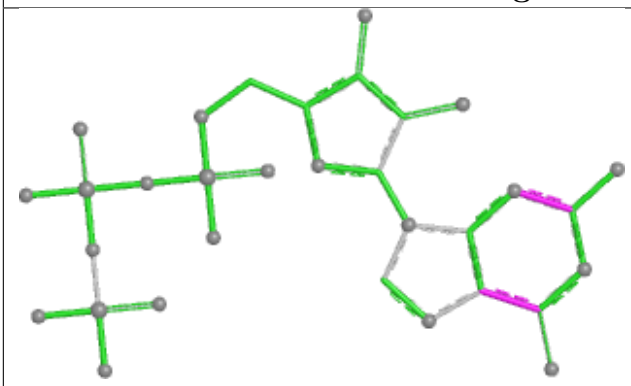
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP D7 501



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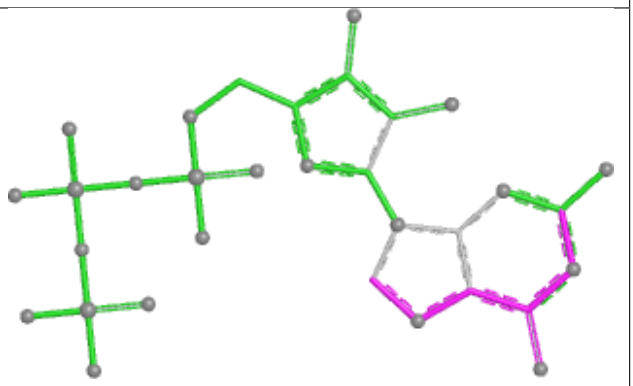

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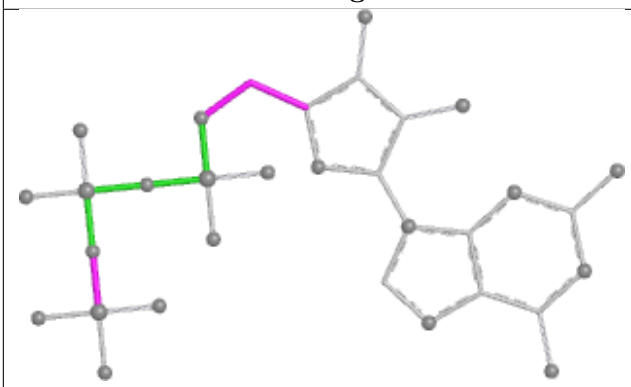
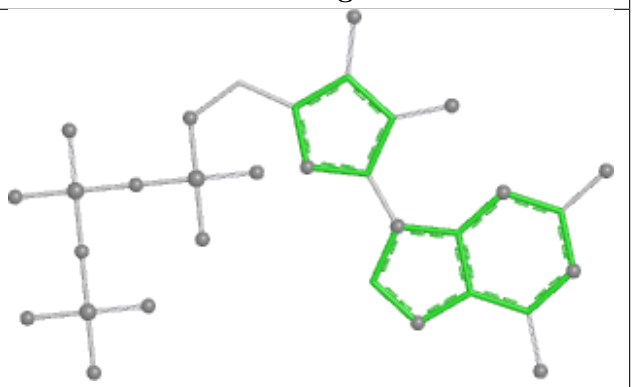
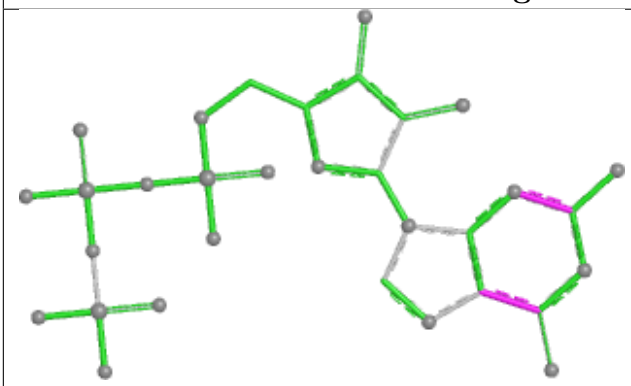


Torsions



Rings

Ligand GTP R2 502



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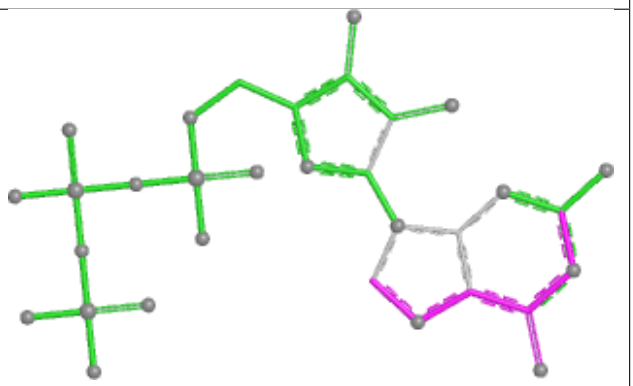

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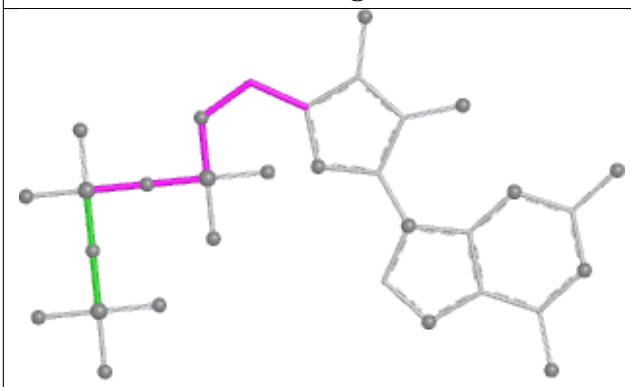

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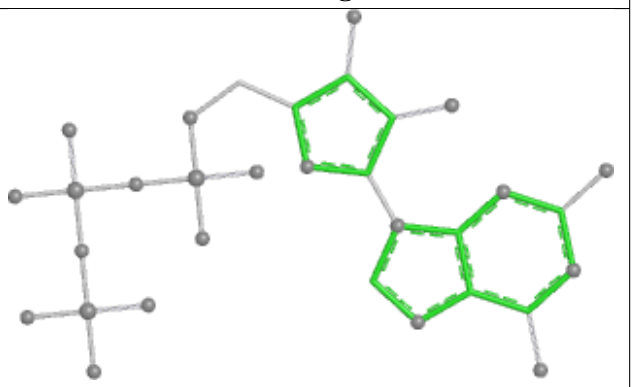
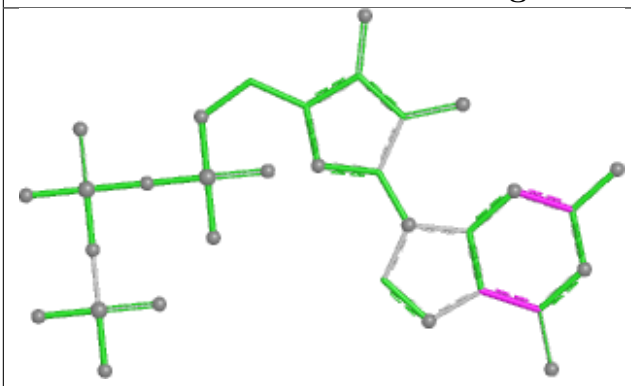


Rings

Ligand GTP DT 501



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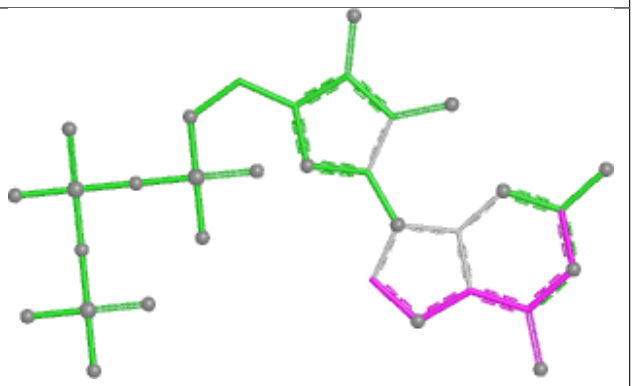

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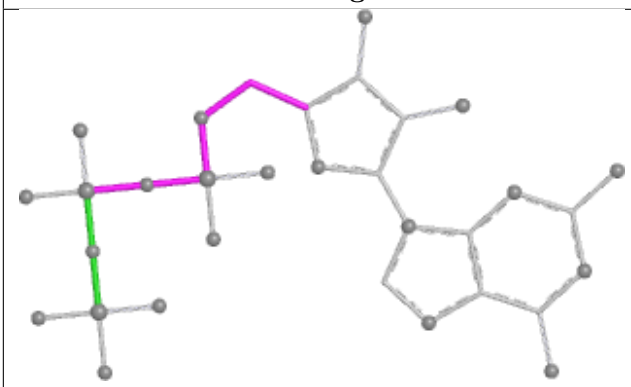

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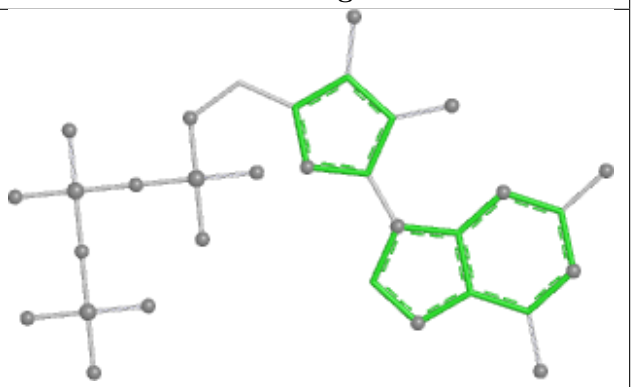
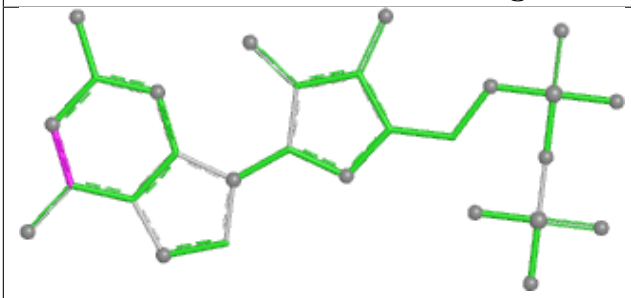


Rings

Ligand GDP ED 502



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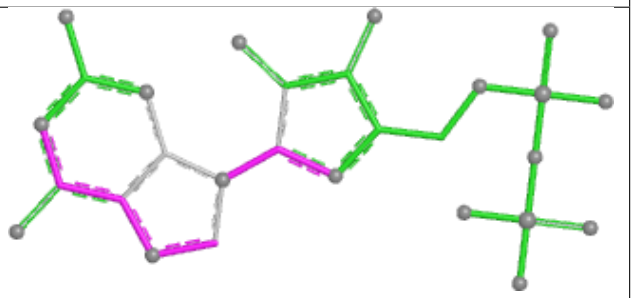

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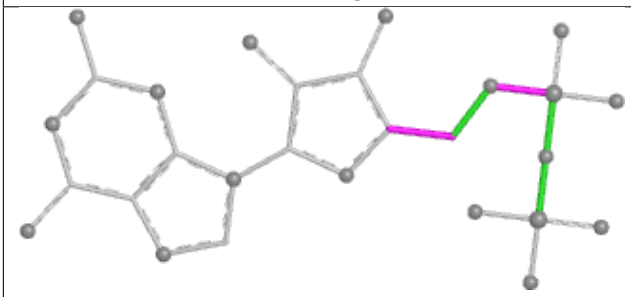

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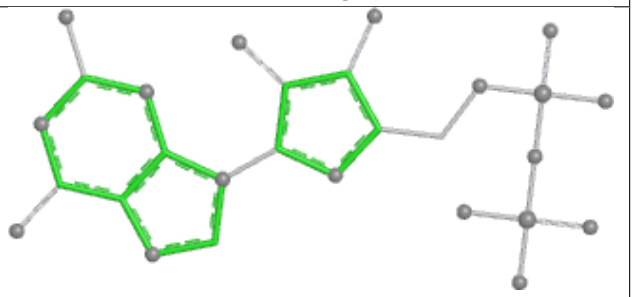
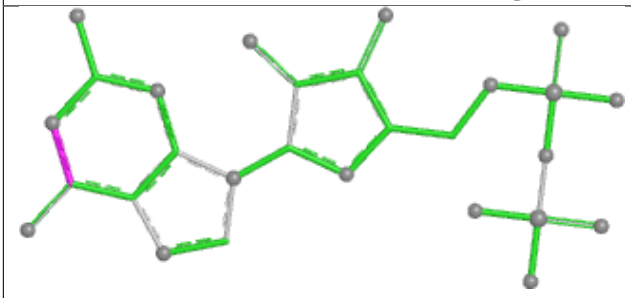
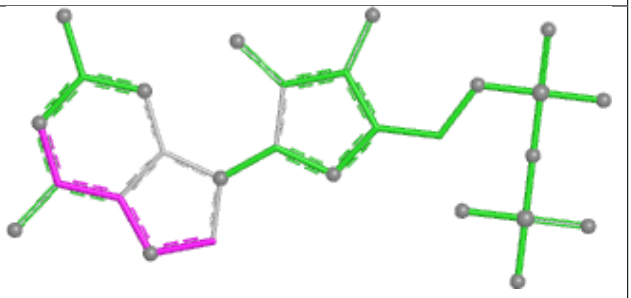
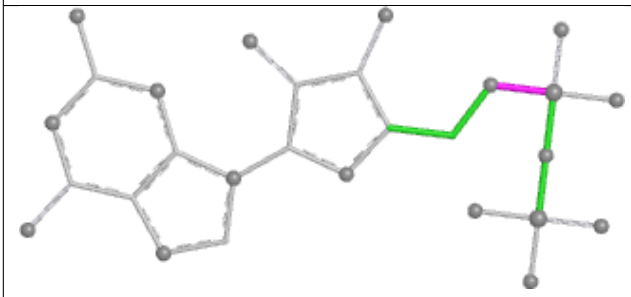
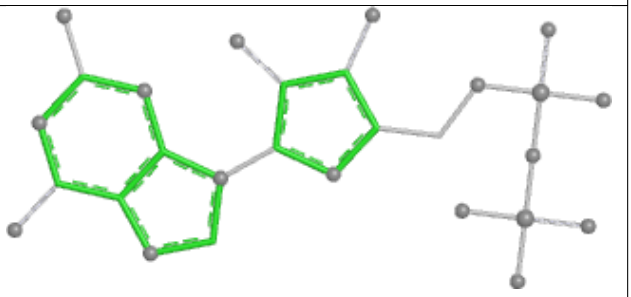
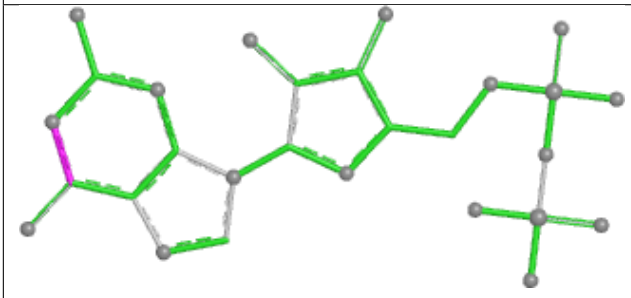
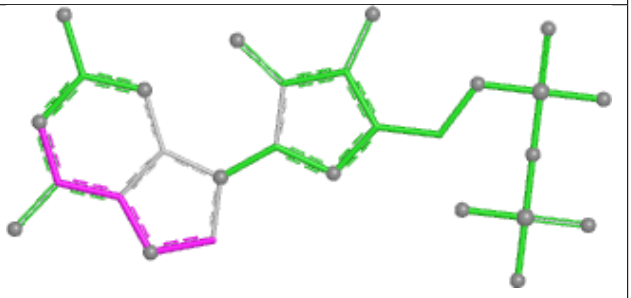
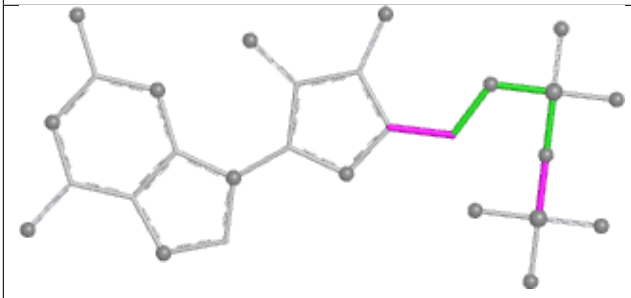
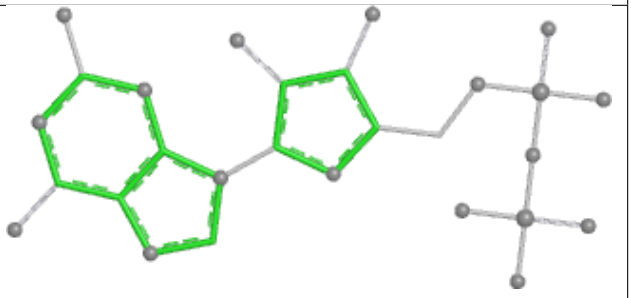
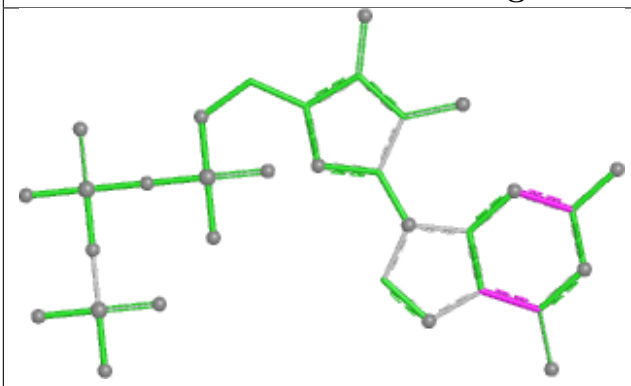


Rings

Ligand GDP M4 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP U8 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP GH 501



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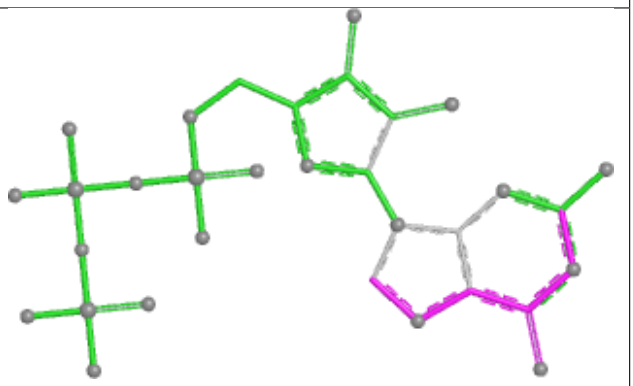
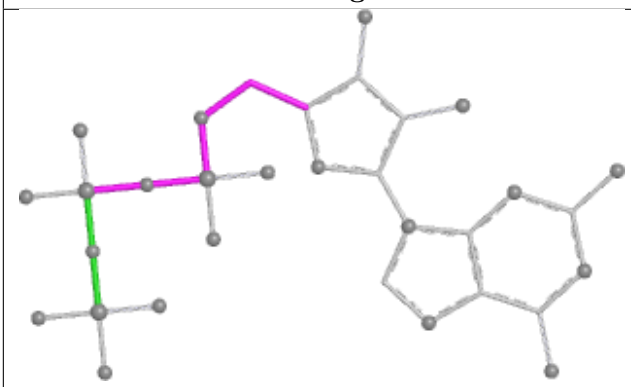
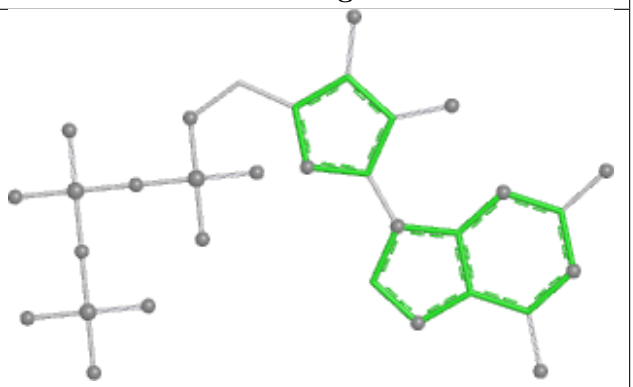


Bond angles

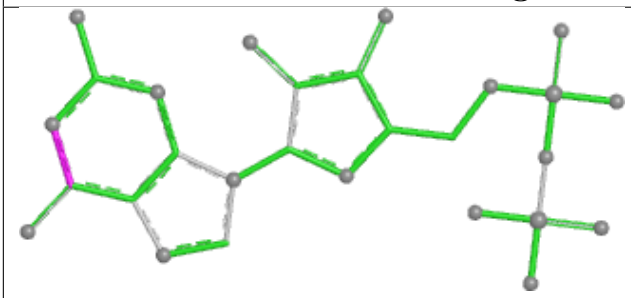


Torsions



Rings

Ligand GDP X4 502



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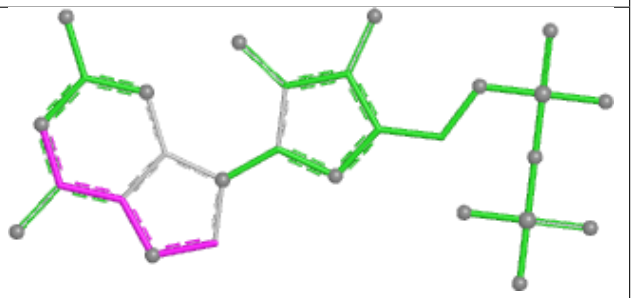

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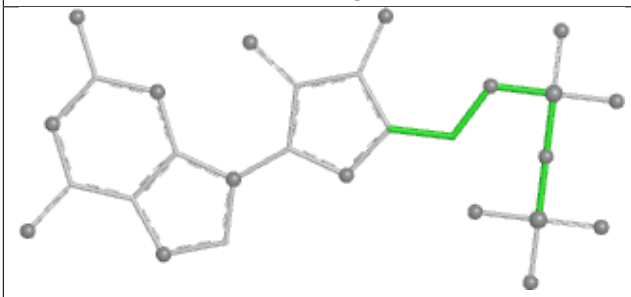

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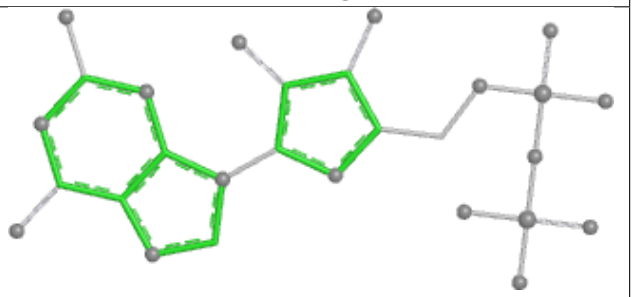
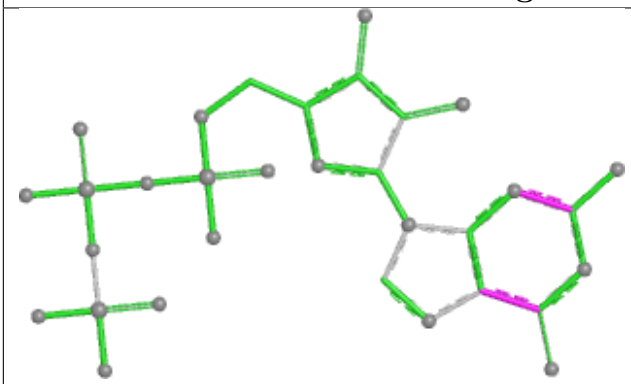


Rings

Ligand GTP Fp 501



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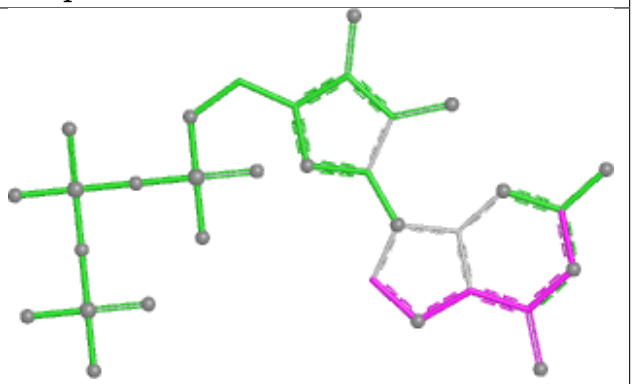

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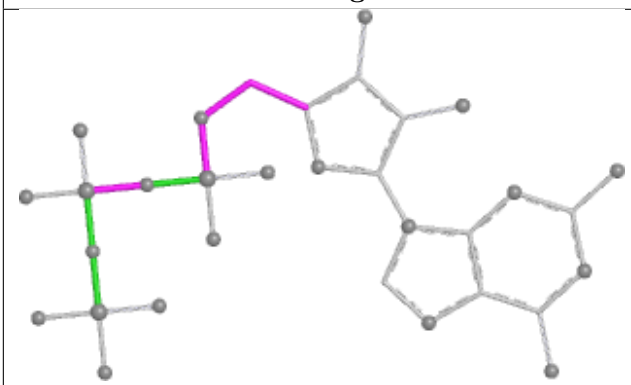
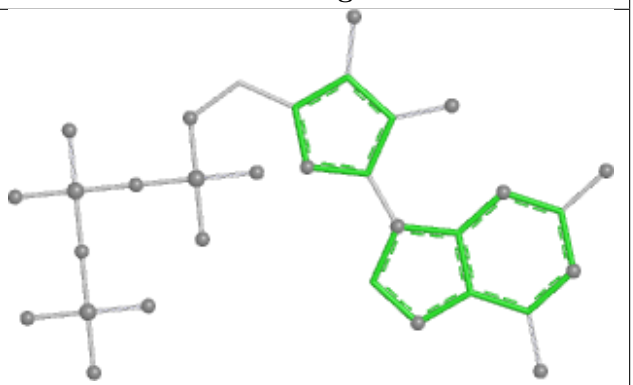
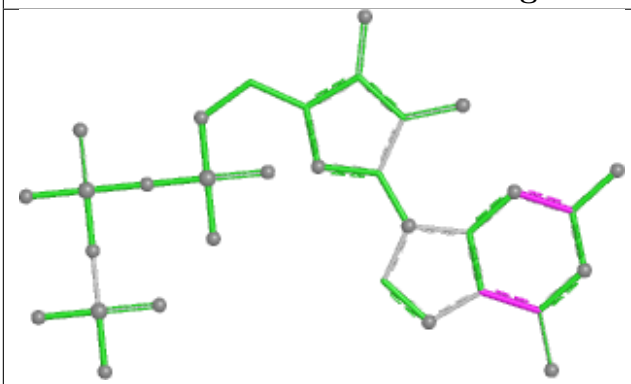


Torsions



Rings

Ligand GTP I1 501



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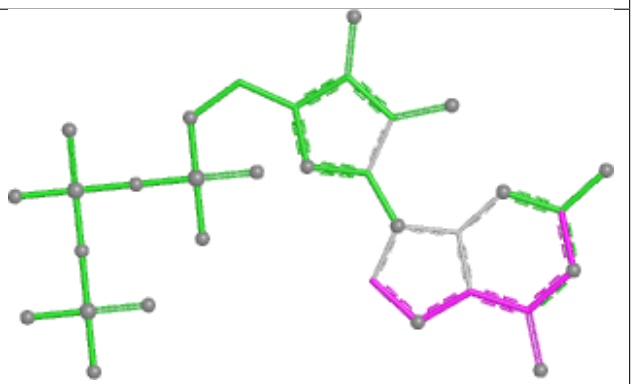

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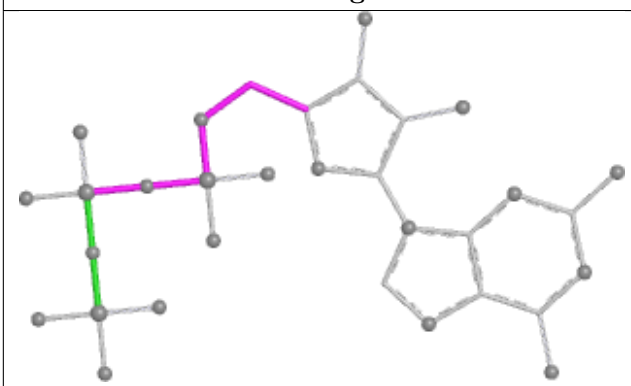

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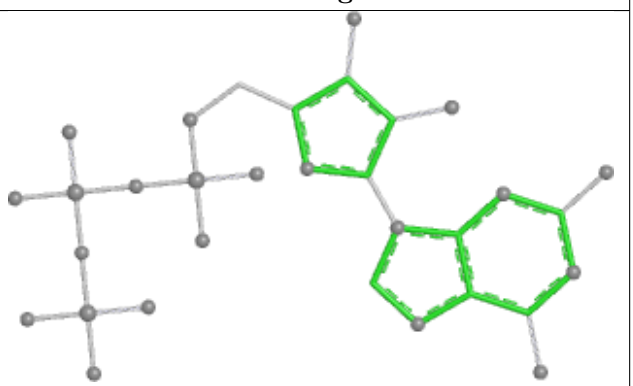
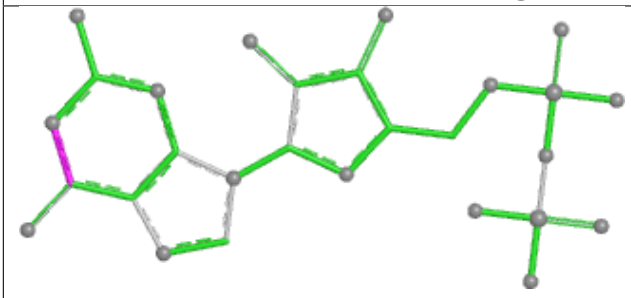
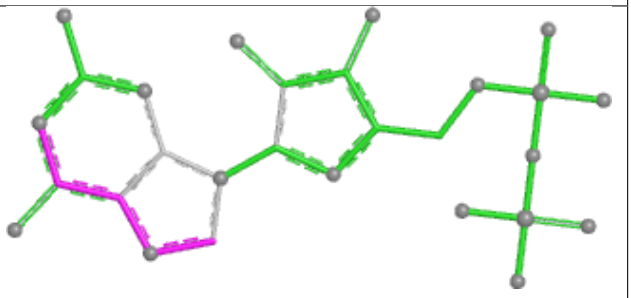
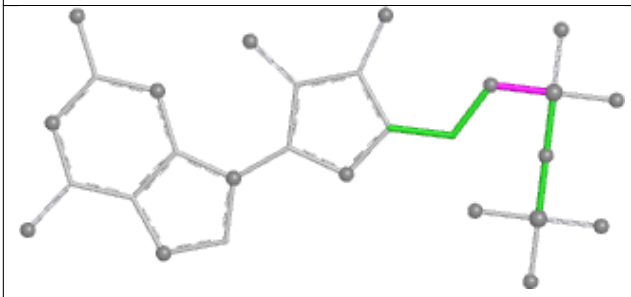
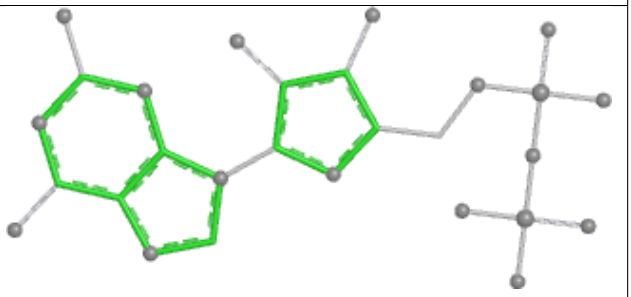
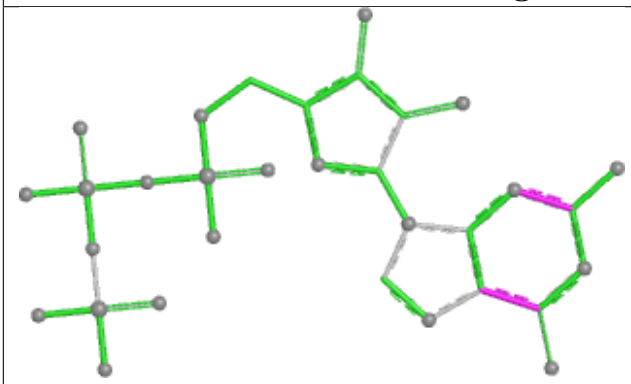
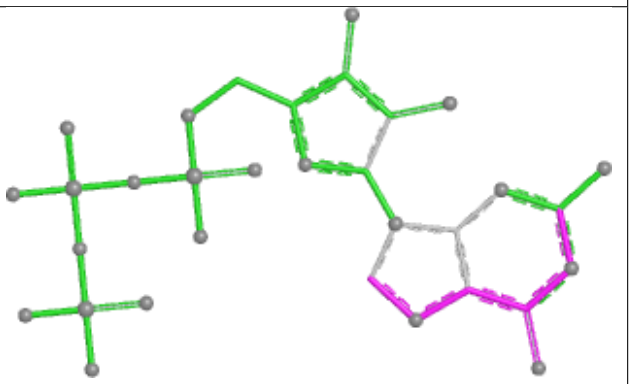
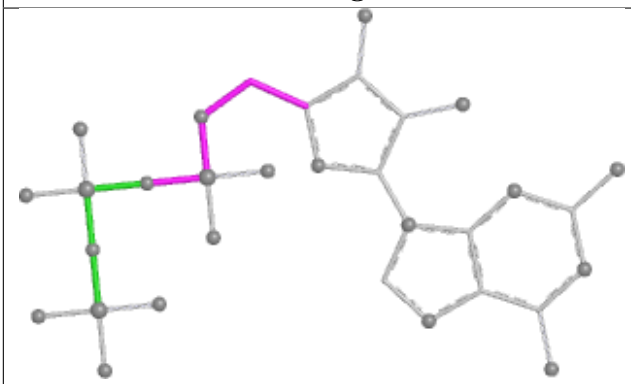
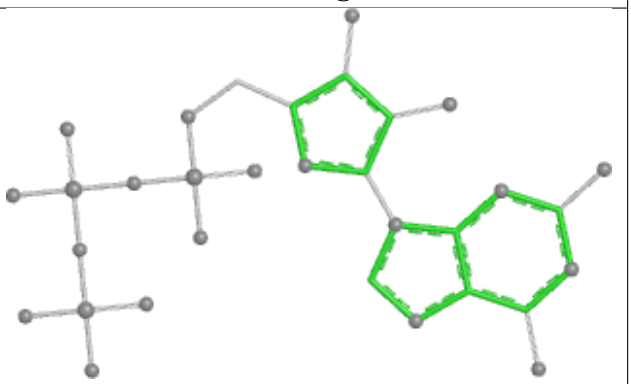
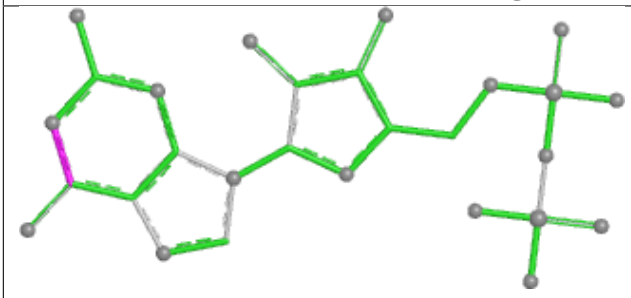
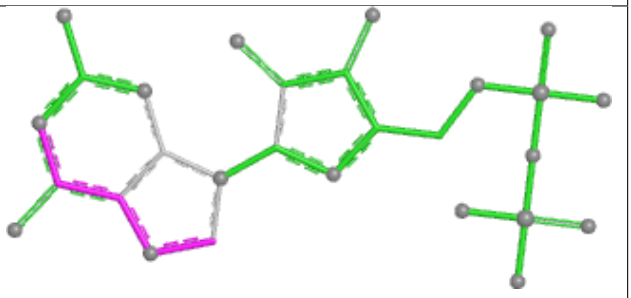
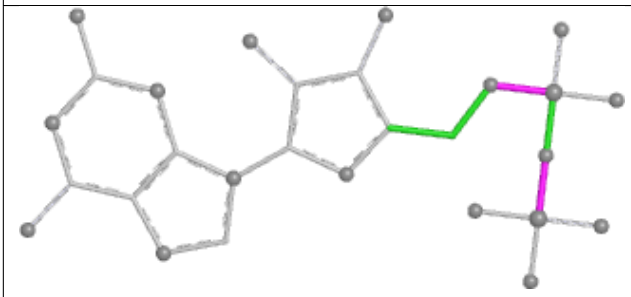
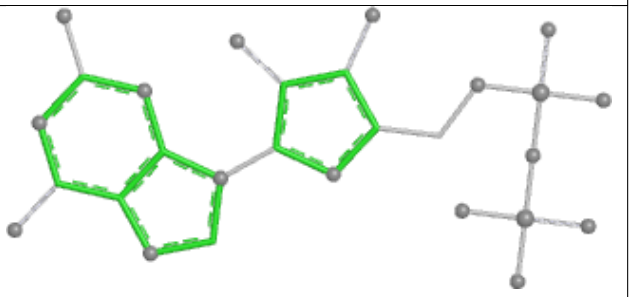
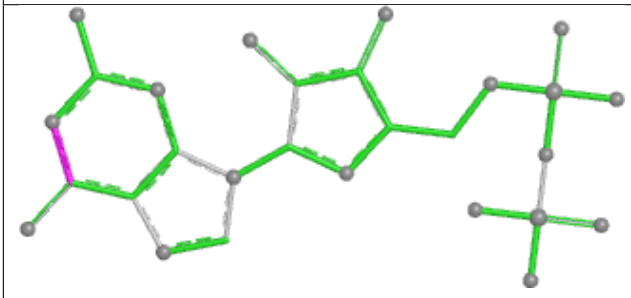
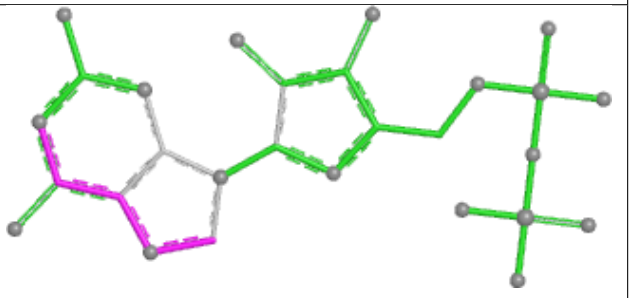
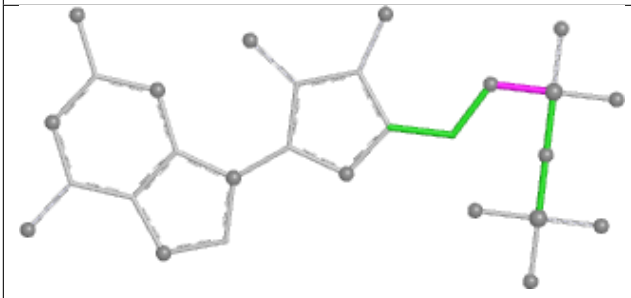
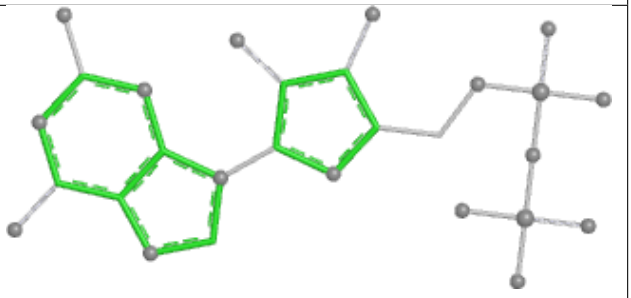


Rings

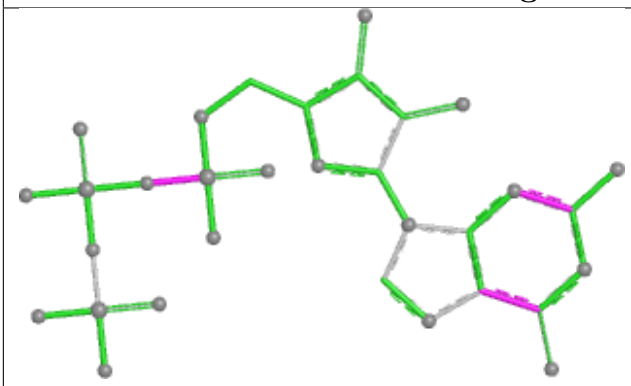
Ligand GDP C0 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP V3 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP M2 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP EH 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Li 501



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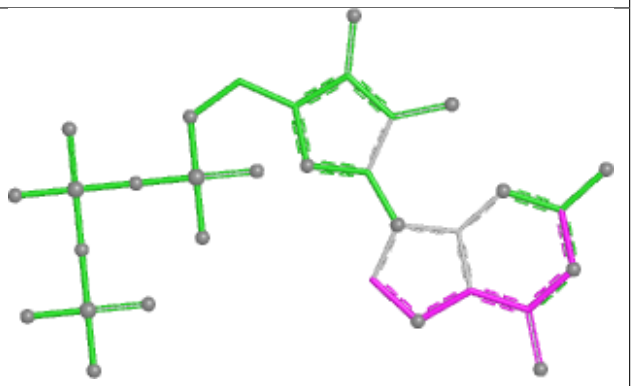

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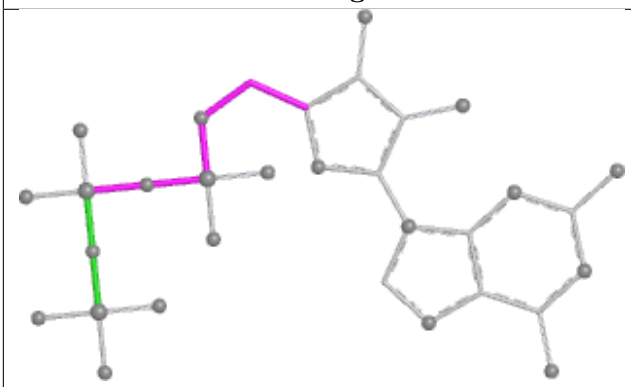

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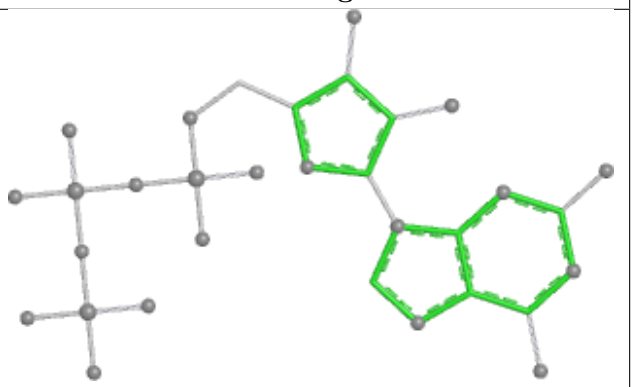
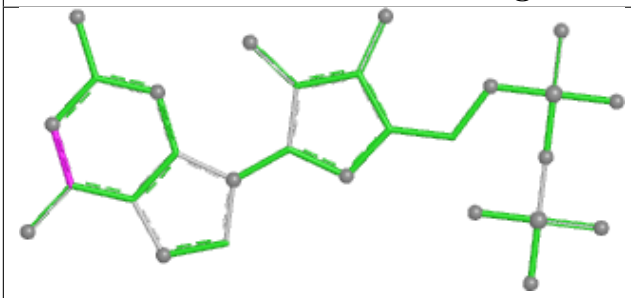


Rings

Ligand GDP E2 501



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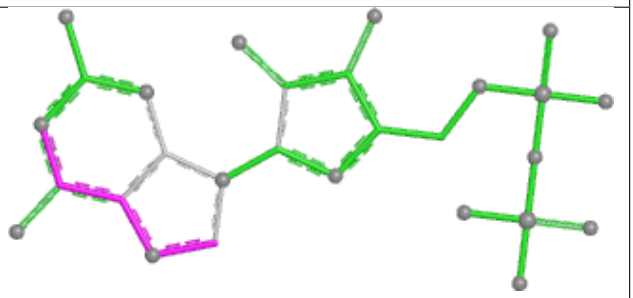

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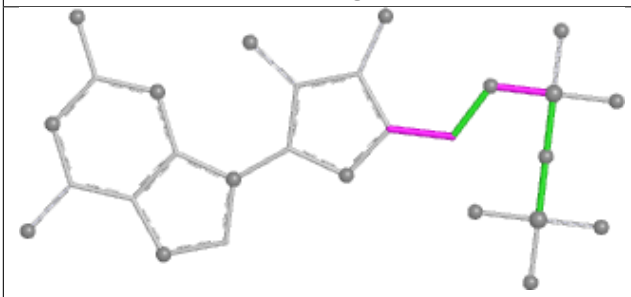

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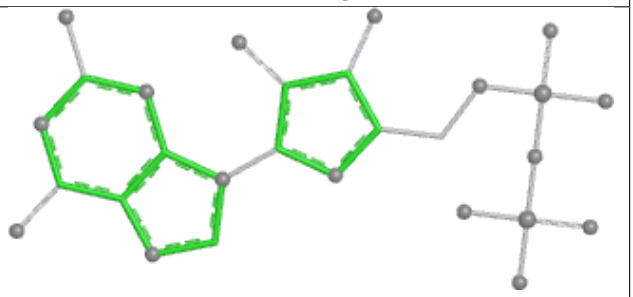

Rings

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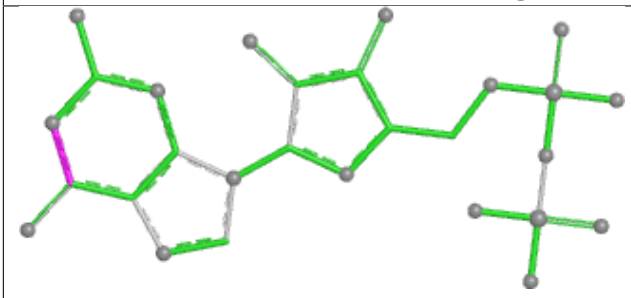

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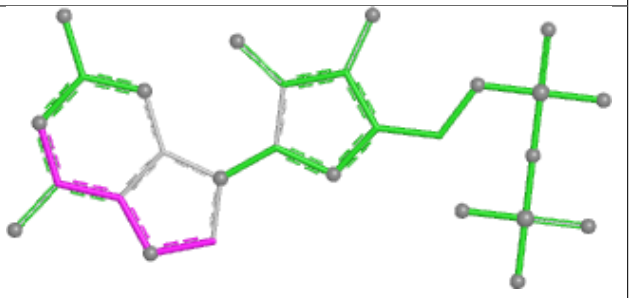

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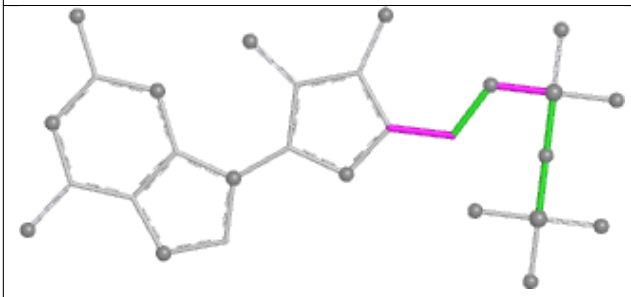

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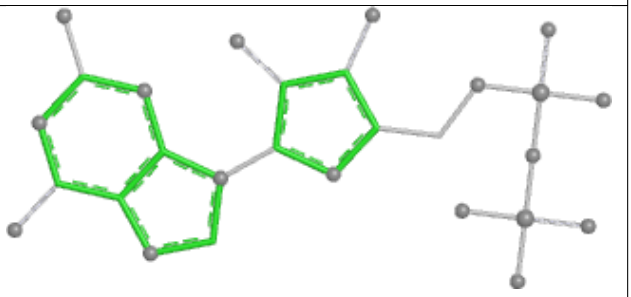
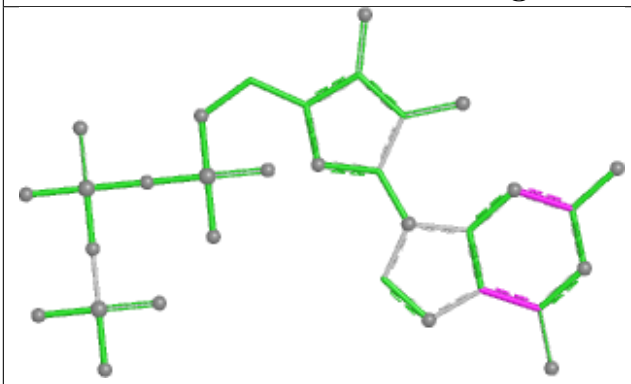


Rings

Ligand GTP NF 501



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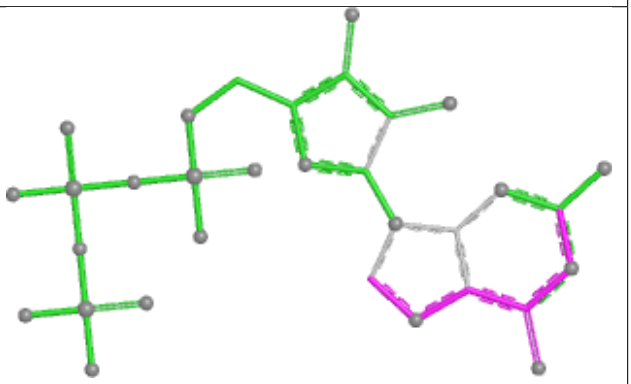

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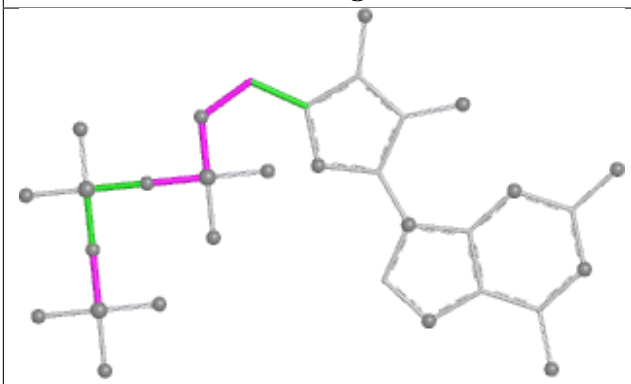

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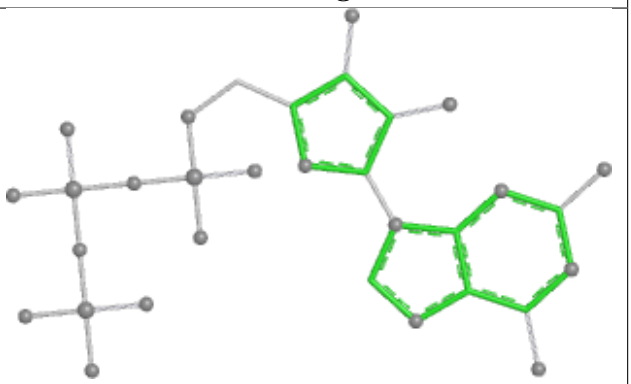
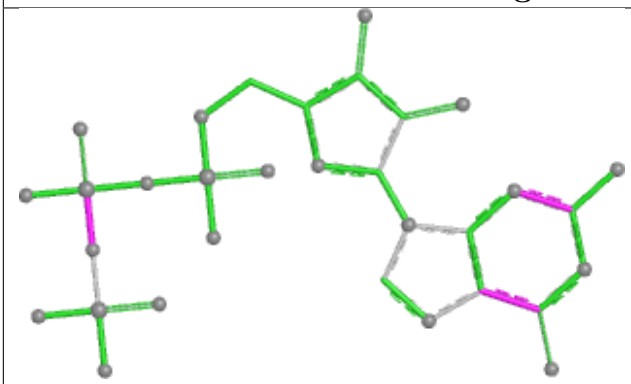


Rings

Ligand GTP Eu 501



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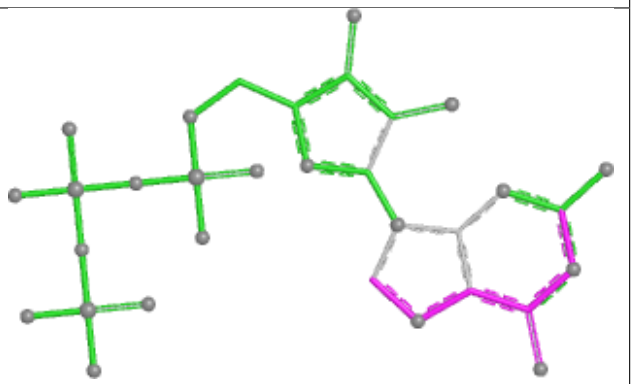

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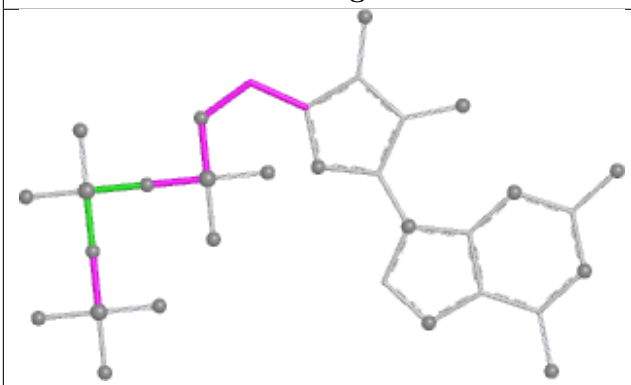

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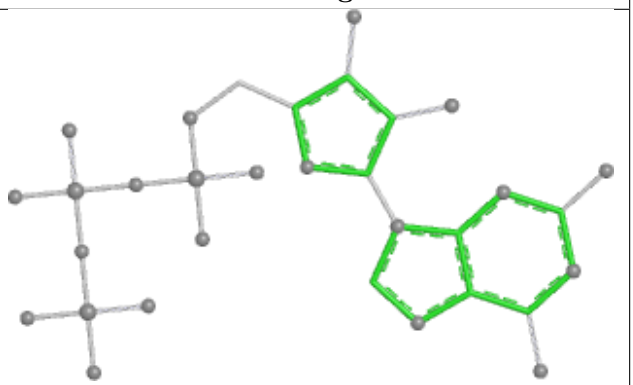
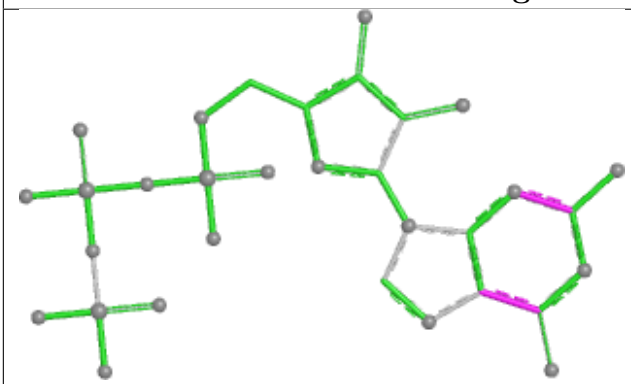


Rings

Ligand GTP N6 501



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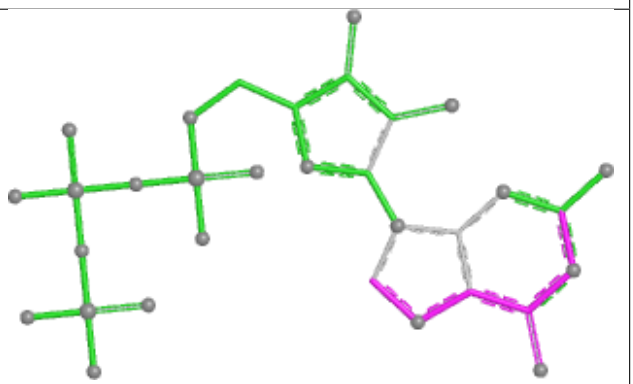

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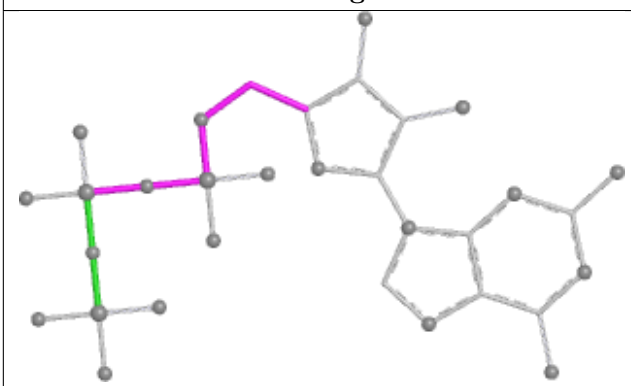

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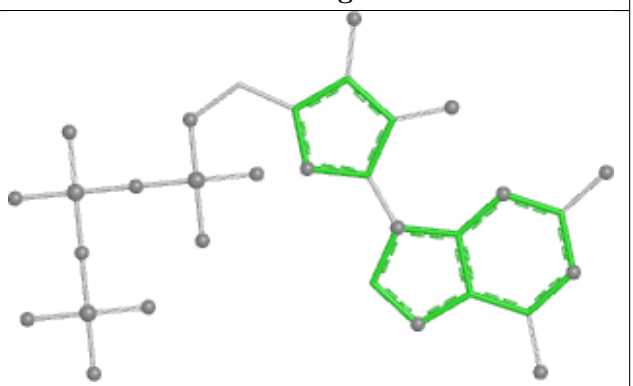
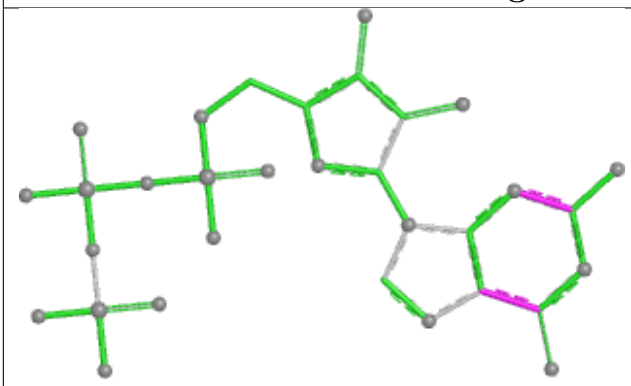


Rings

Ligand GTP 2W 501



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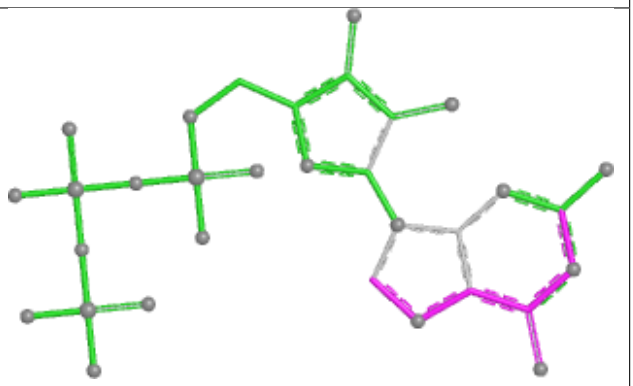

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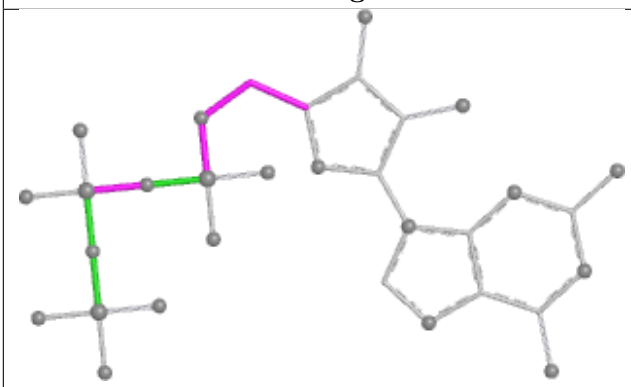

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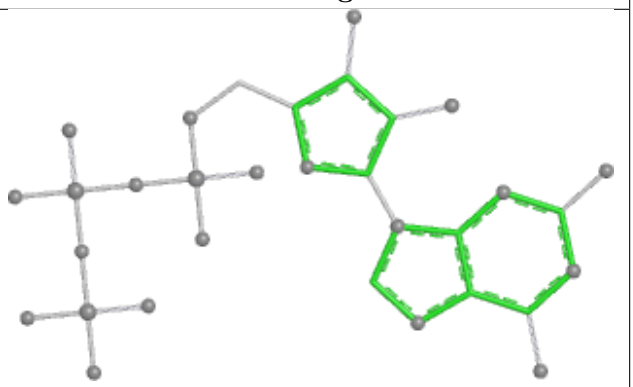
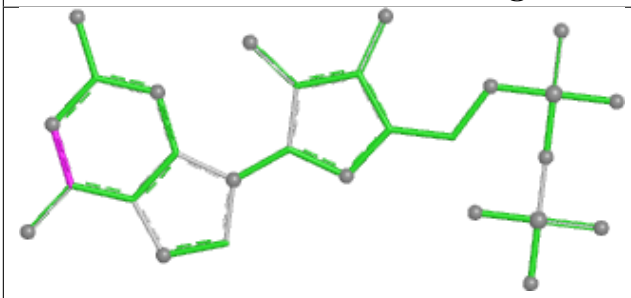


Rings

Ligand GDP M6 502



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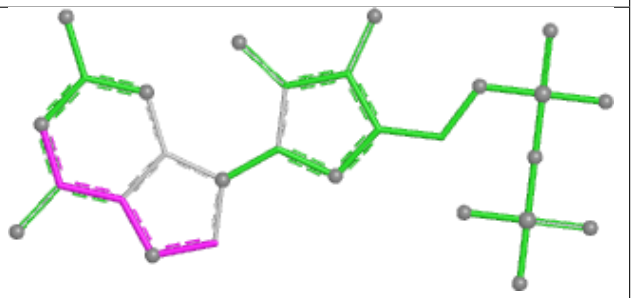
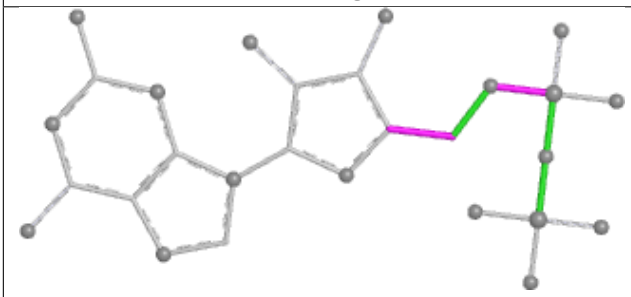


Bond angles



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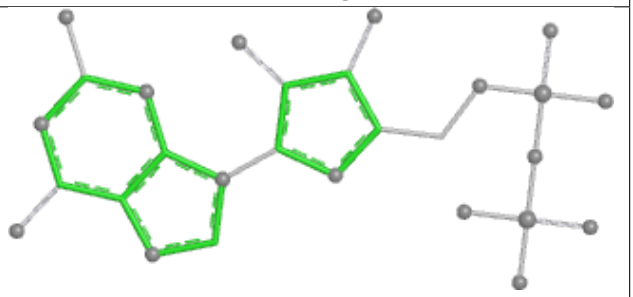
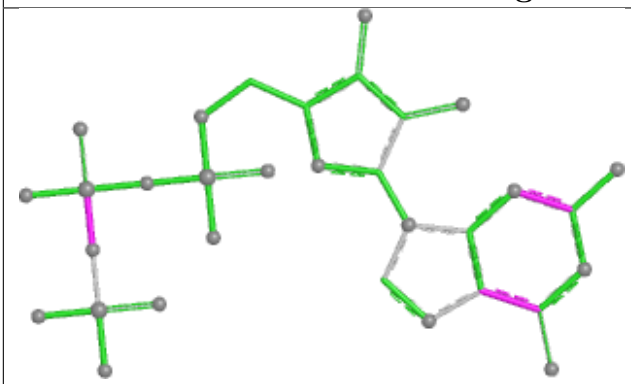
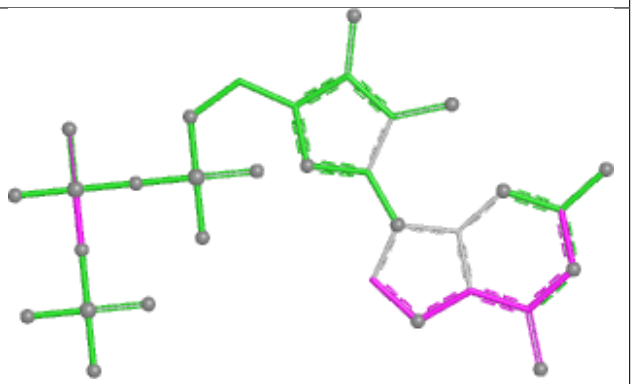


Rings

Ligand GTP Cr 502



Bond lengths



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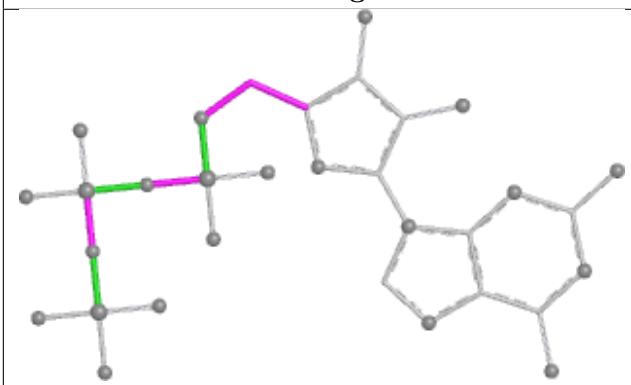
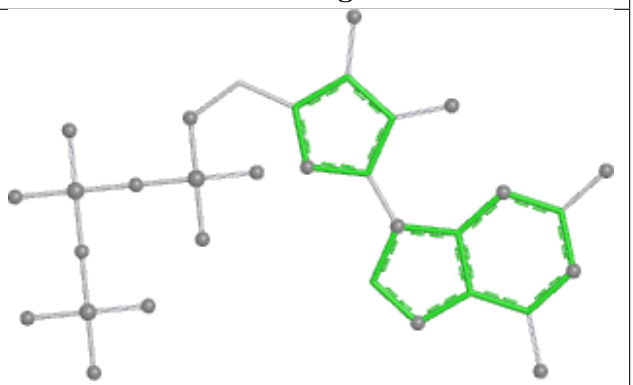
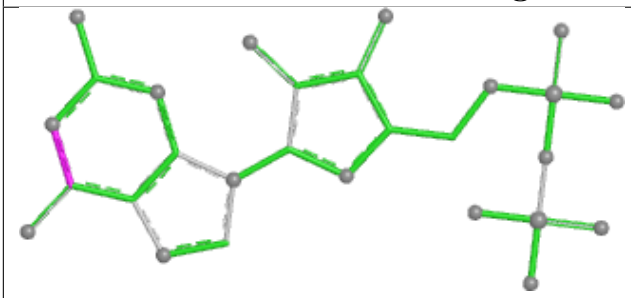


Torsions



Rings

Ligand GDP 1U 501



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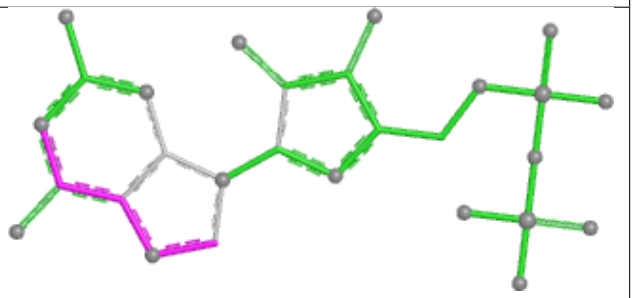

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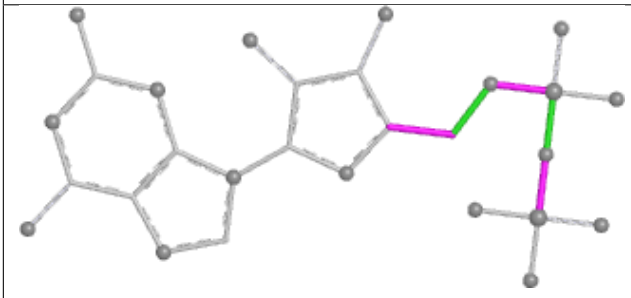

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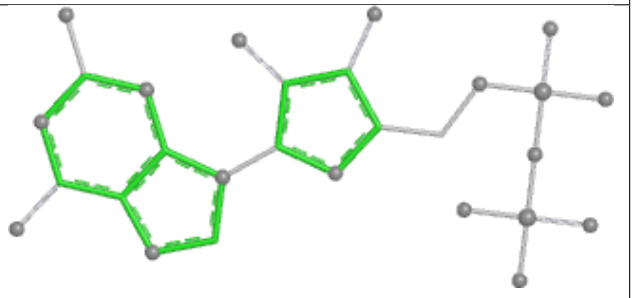
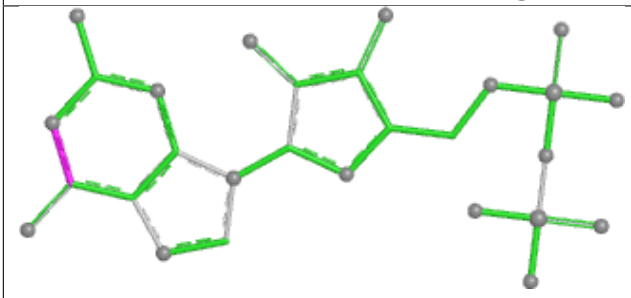
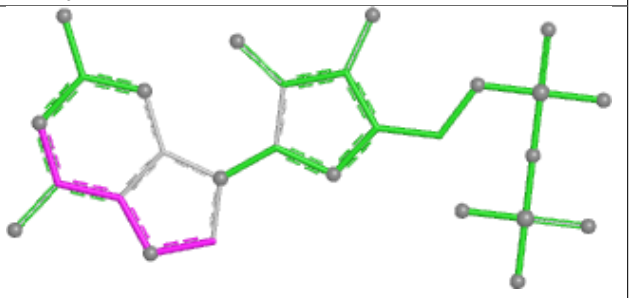
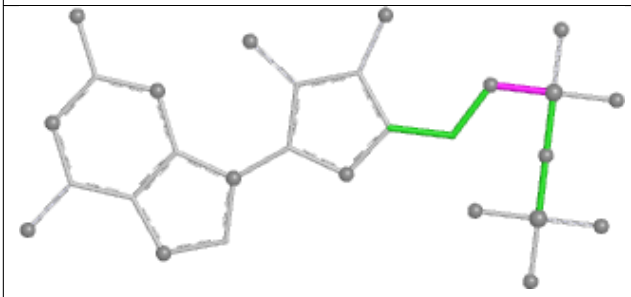
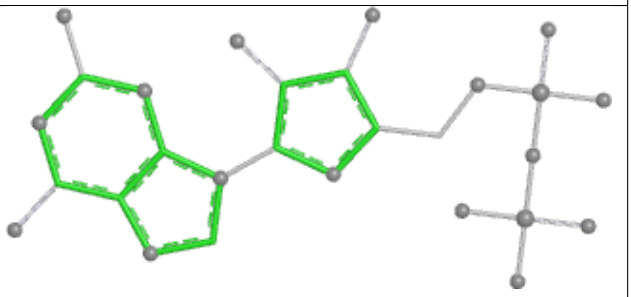
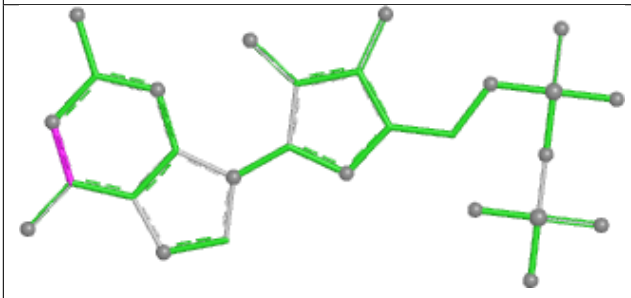
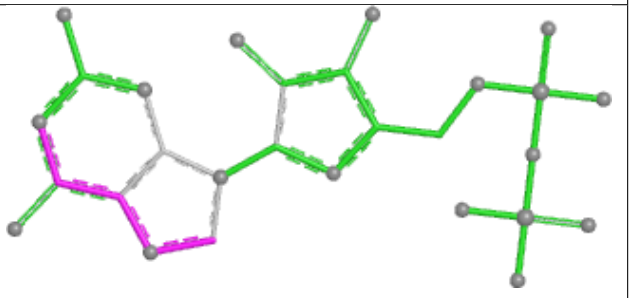
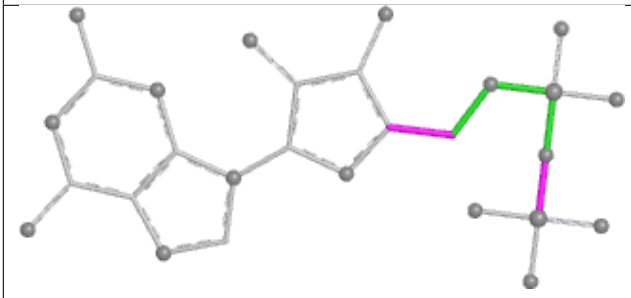
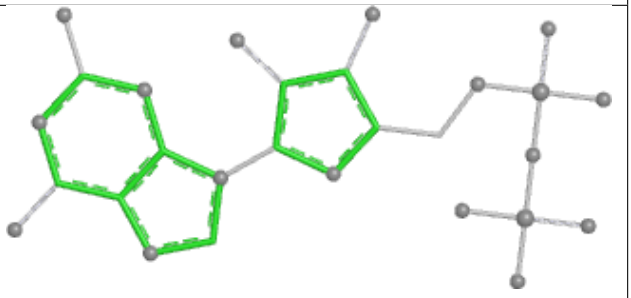
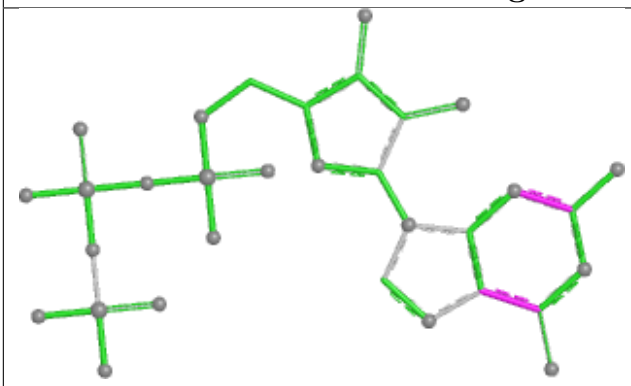


Rings

Ligand GDP Ay 503	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP DV 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP W5 501



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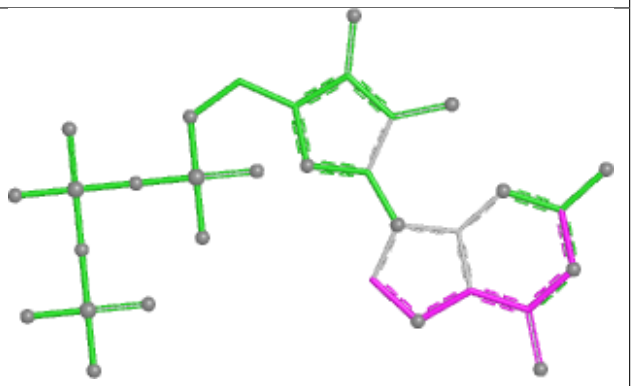

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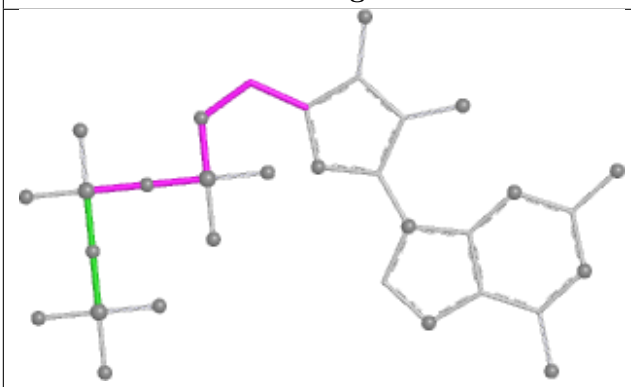

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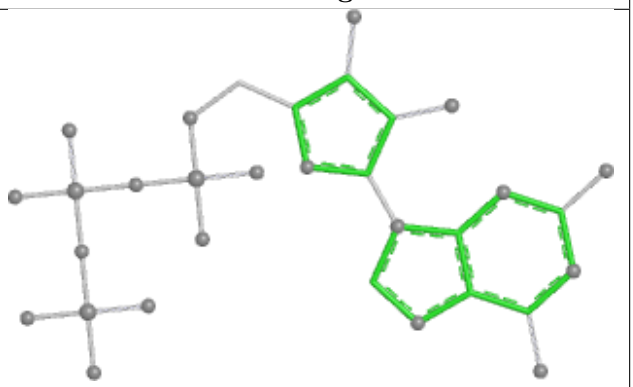
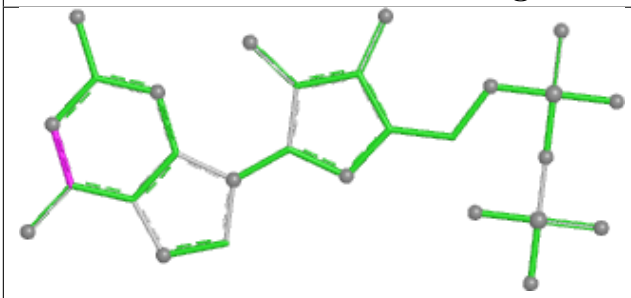


Rings

Ligand GDP 0Y 502



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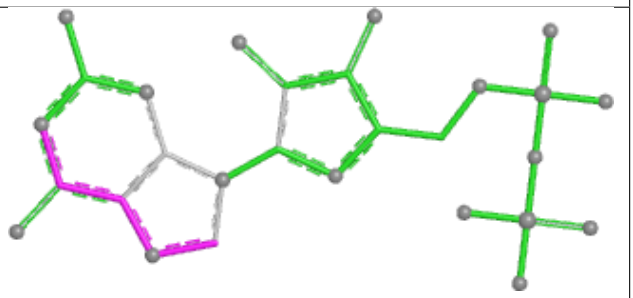

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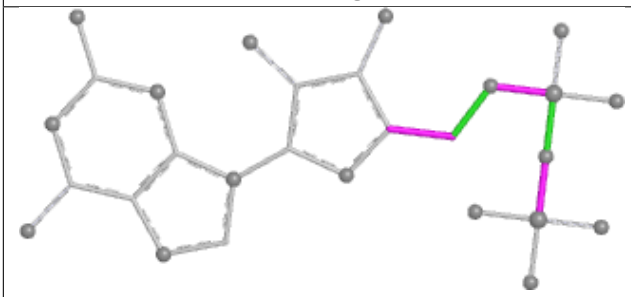

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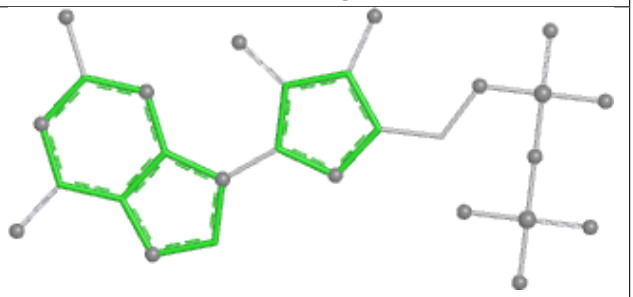
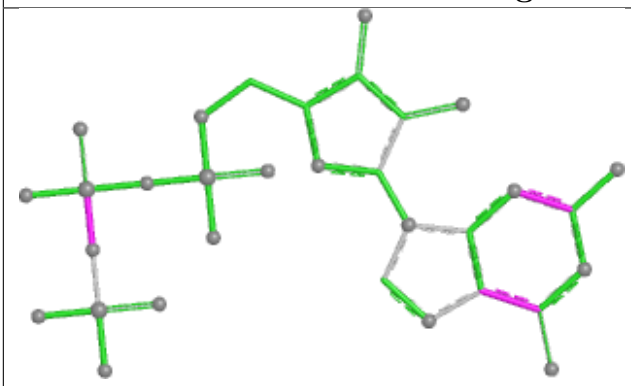


Rings

Ligand GTP Z6 501



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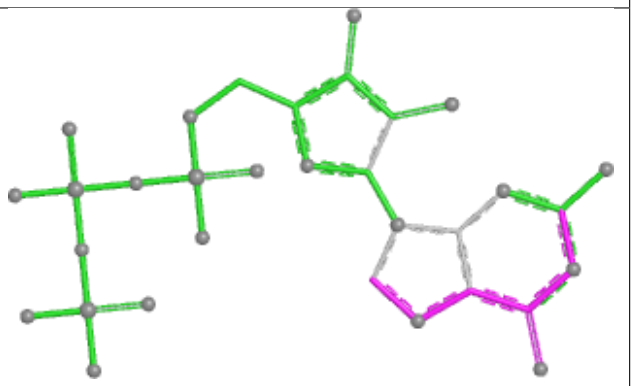

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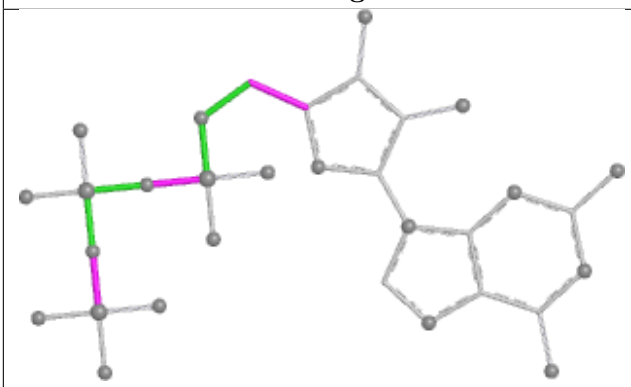

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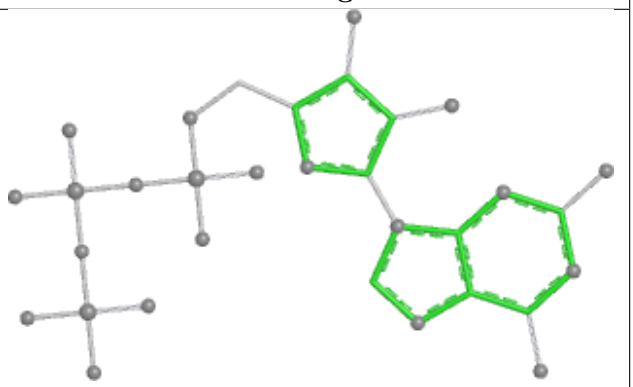
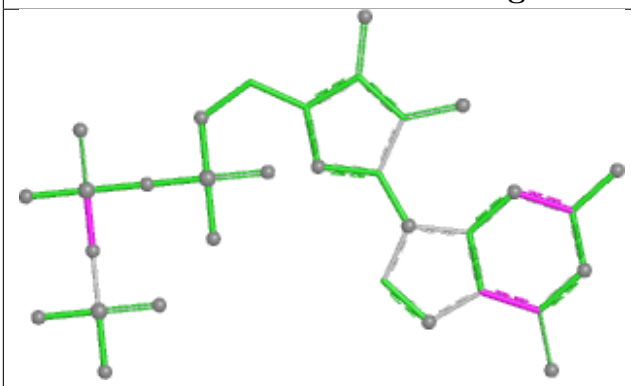


Rings

Ligand GTP KY 501



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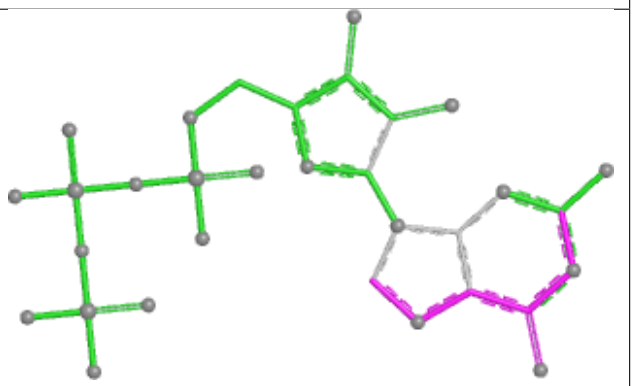

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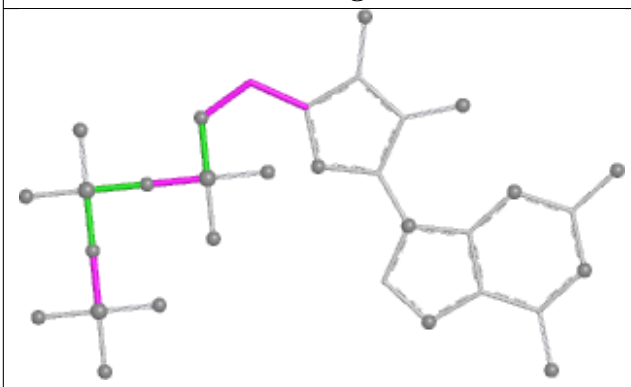

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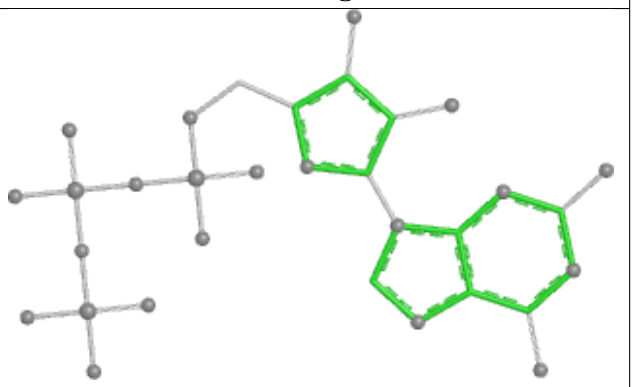
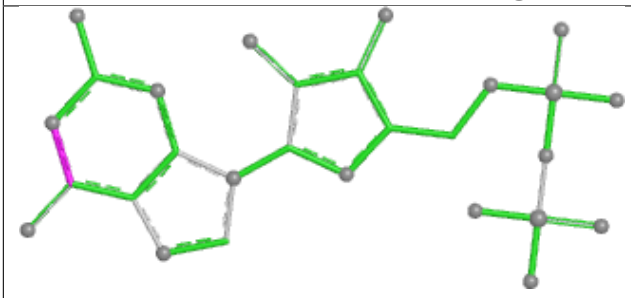
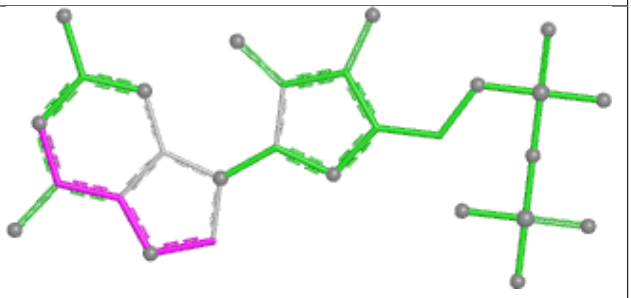
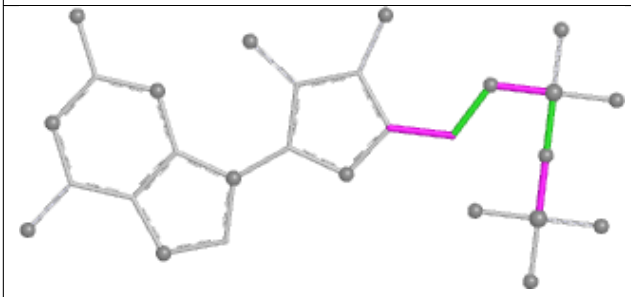
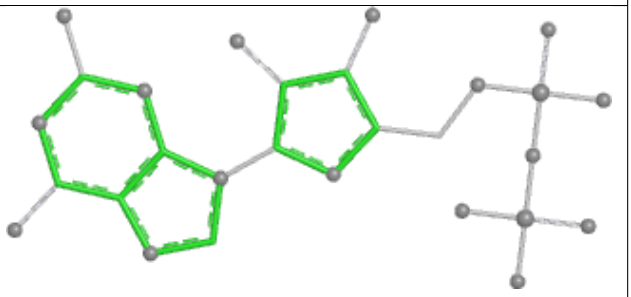
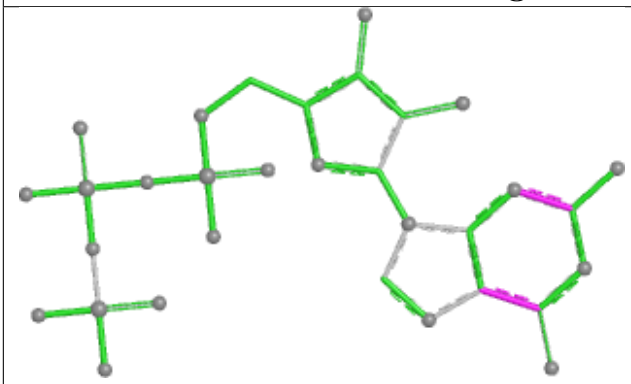
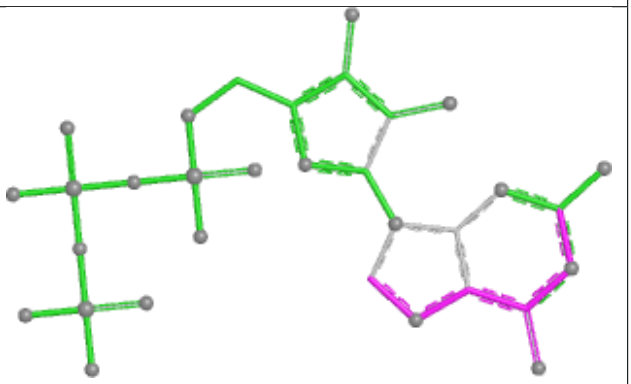
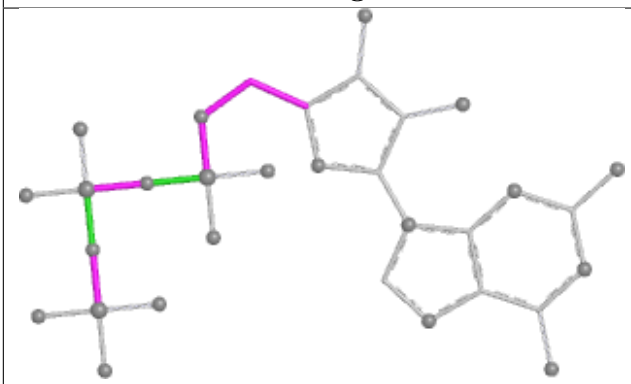
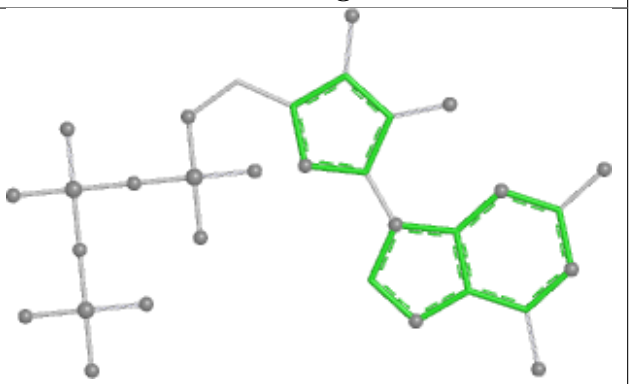
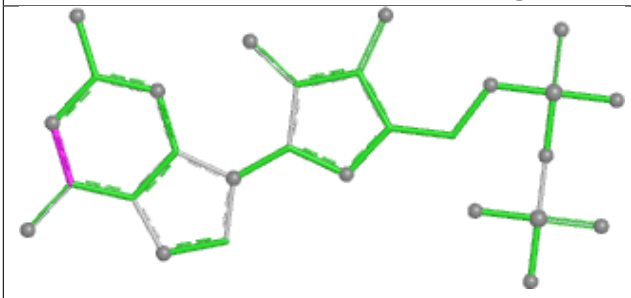
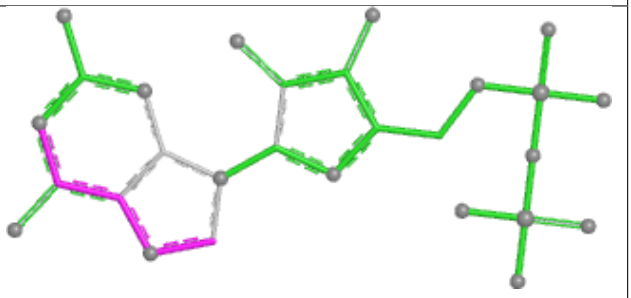
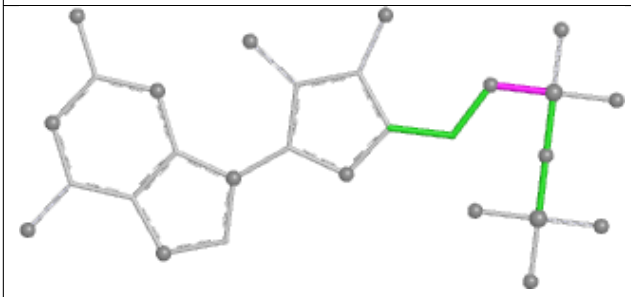
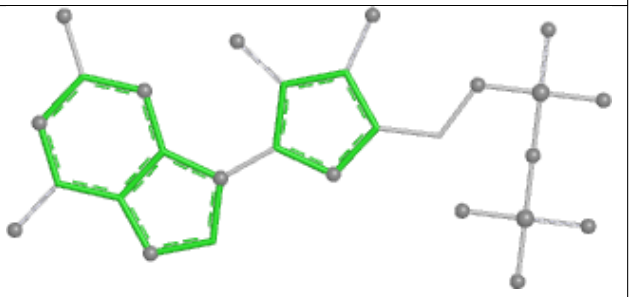
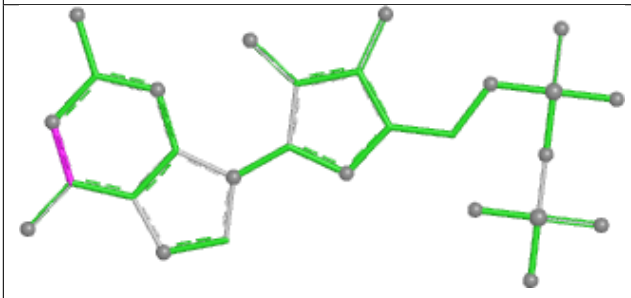
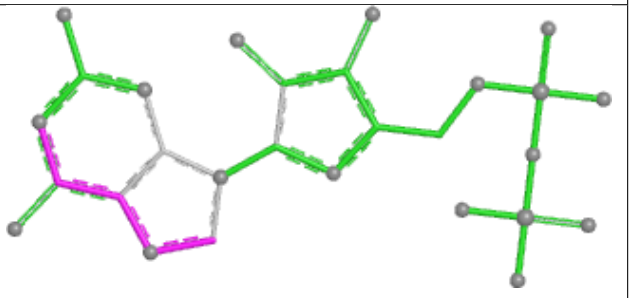
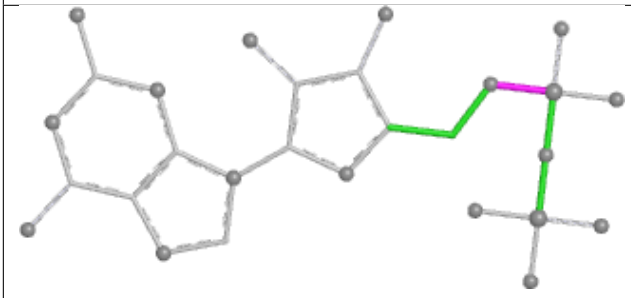
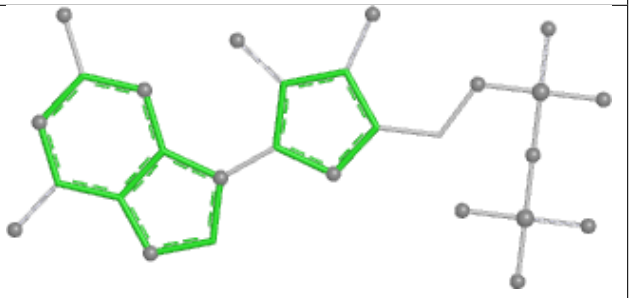


Rings

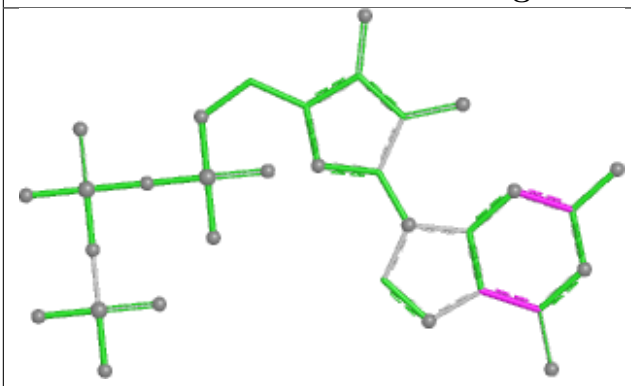
Ligand GDP Mt 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP DH 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Lw 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP J4 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Ag 501



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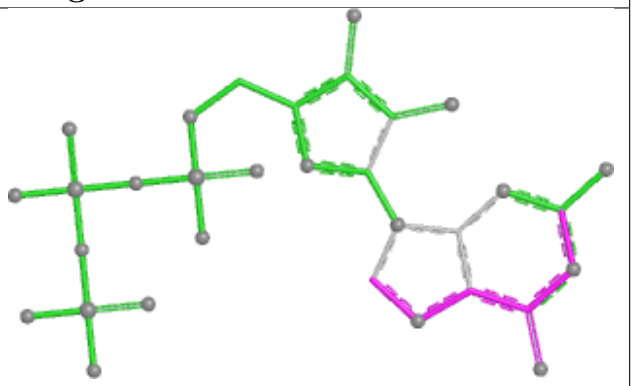
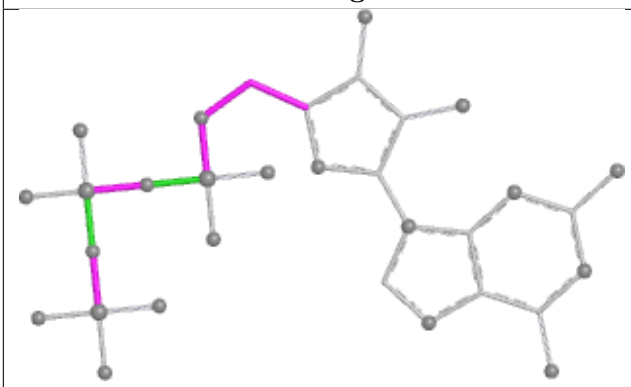
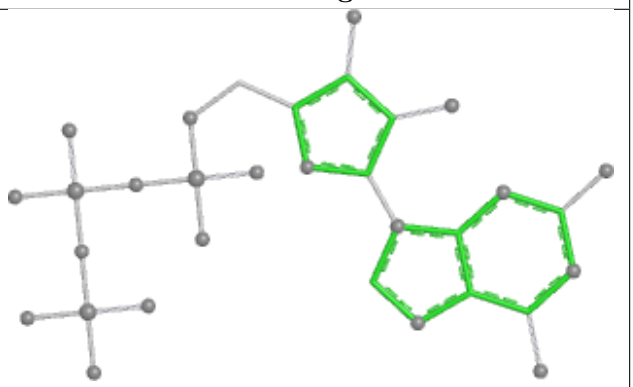


Bond angles

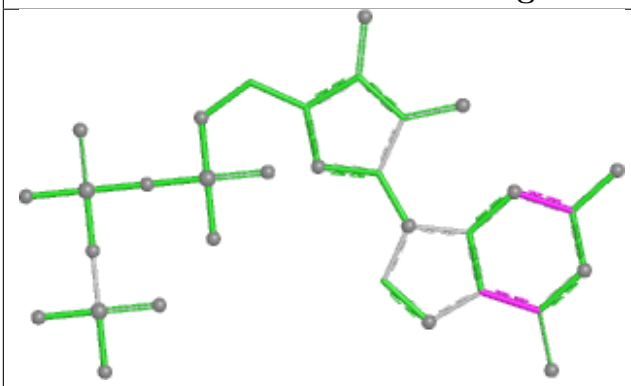


Torsions



Rings

Ligand GTP Bf 502



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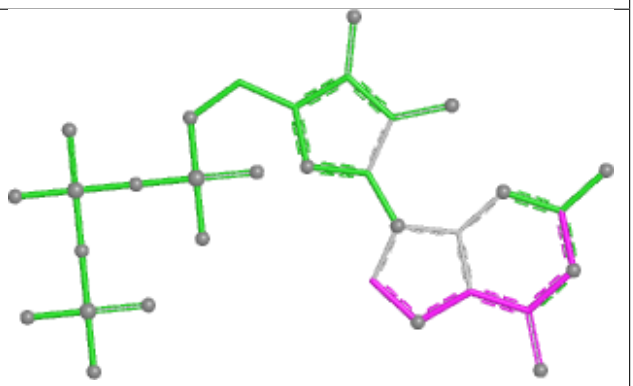

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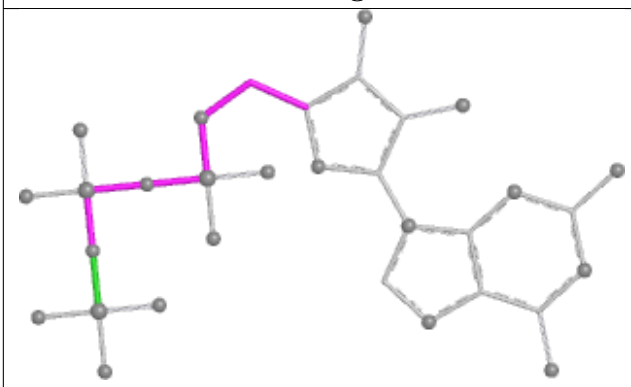

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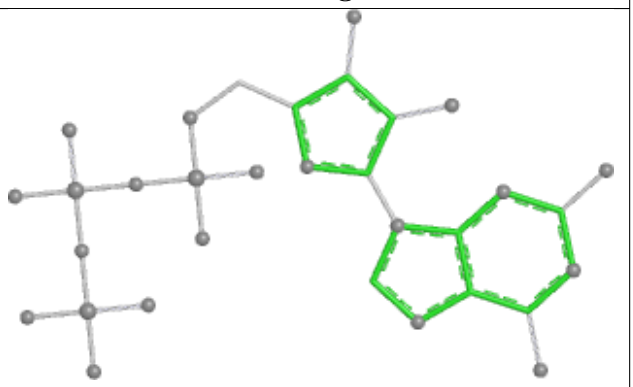
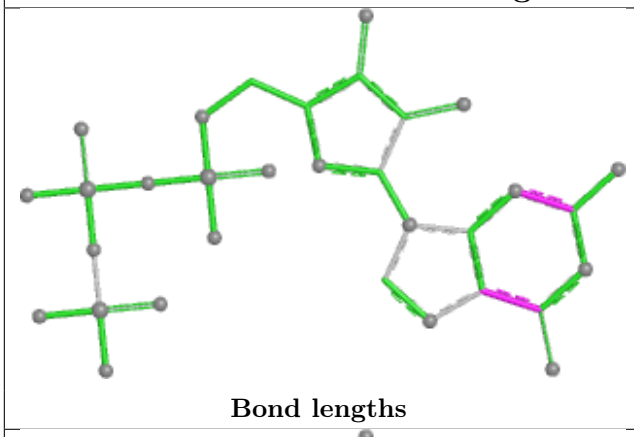


Rings

Ligand GTP Dk 501



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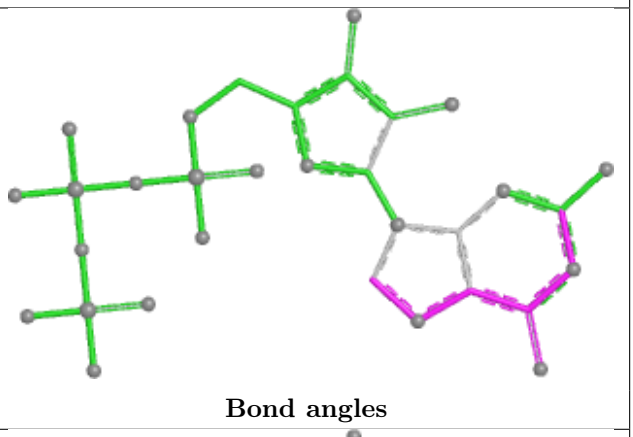

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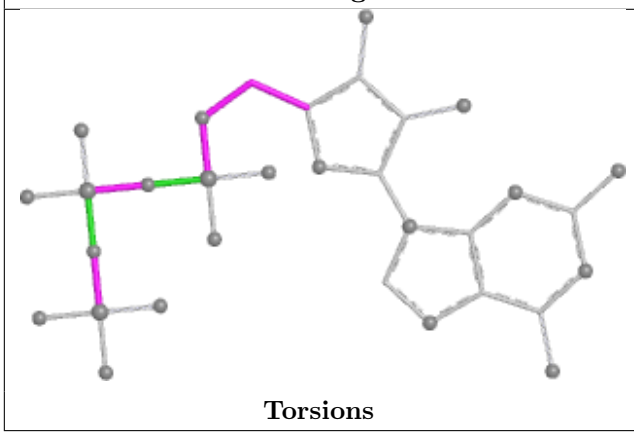
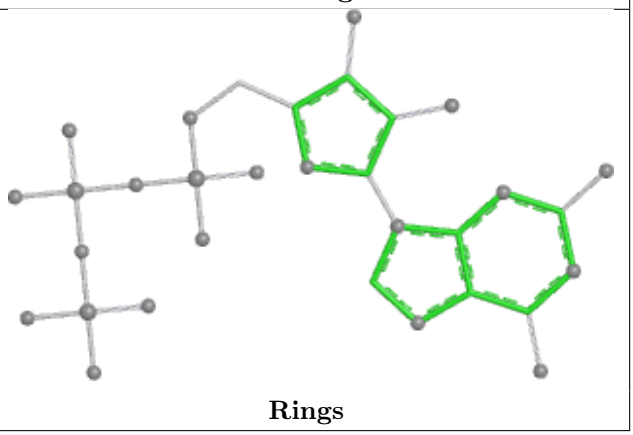
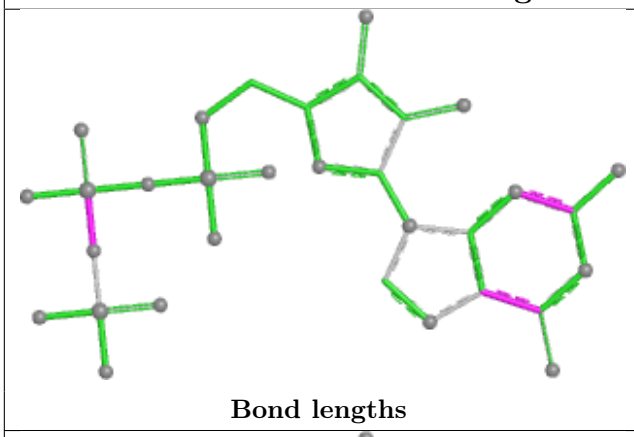


Torsions



Rings

Ligand GTP Jw 501



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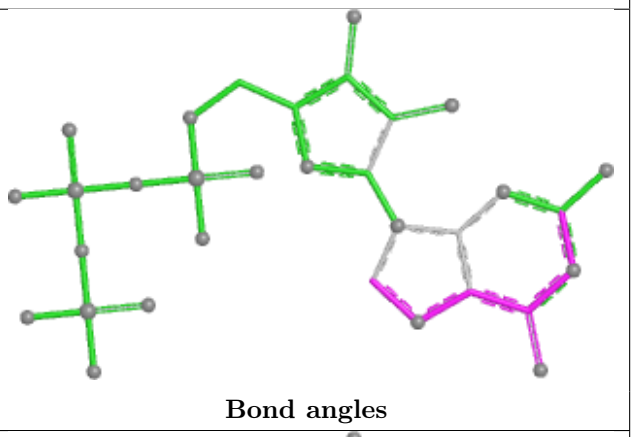

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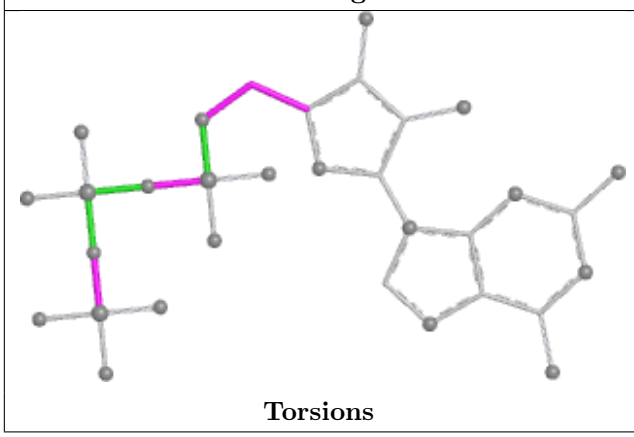

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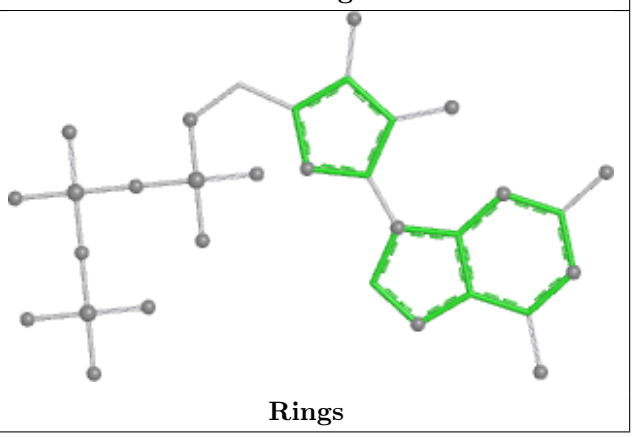
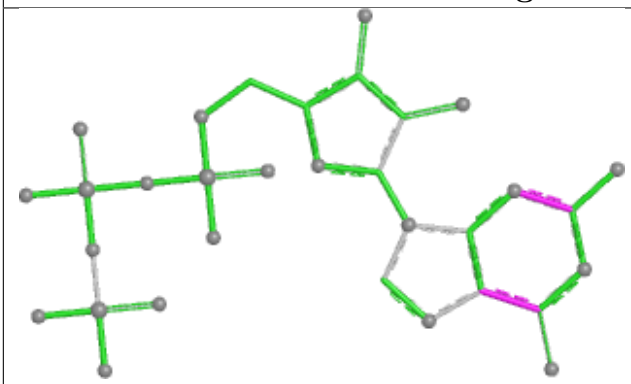


Rings

Ligand GTP Kj 502



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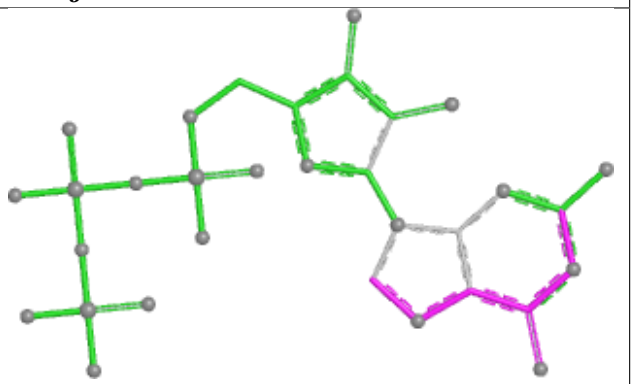

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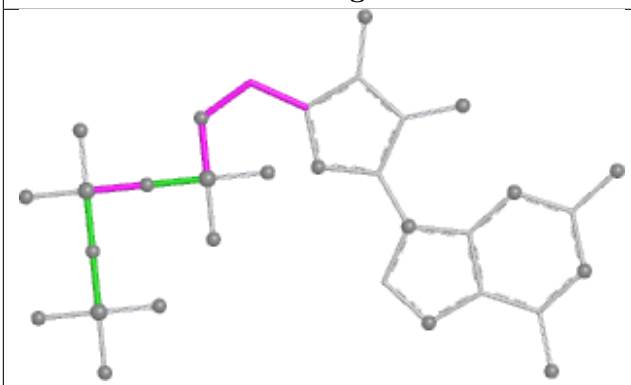

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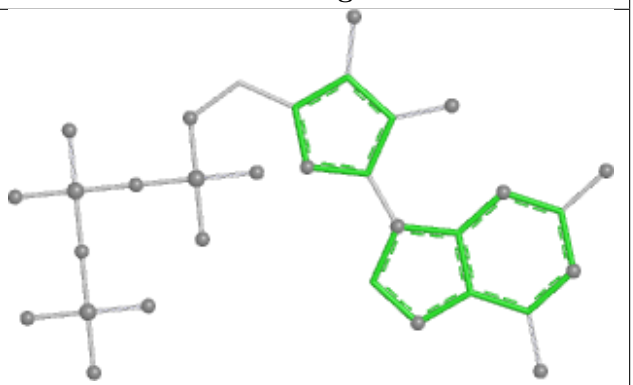
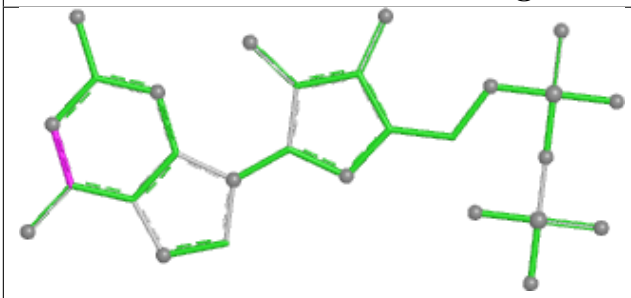


Rings

Ligand GDP Aj 502



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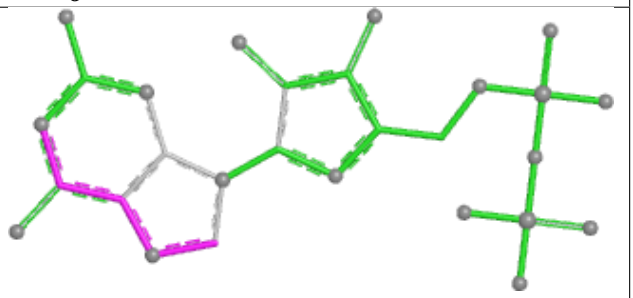

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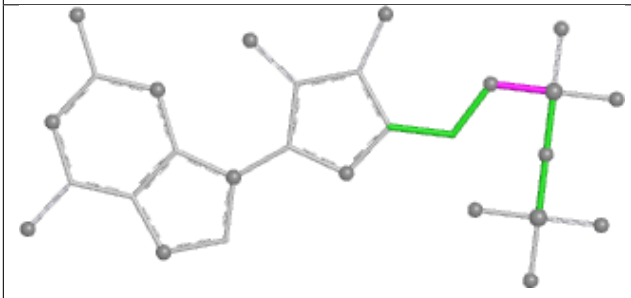

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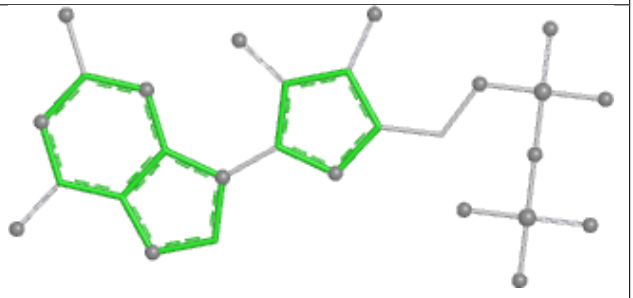
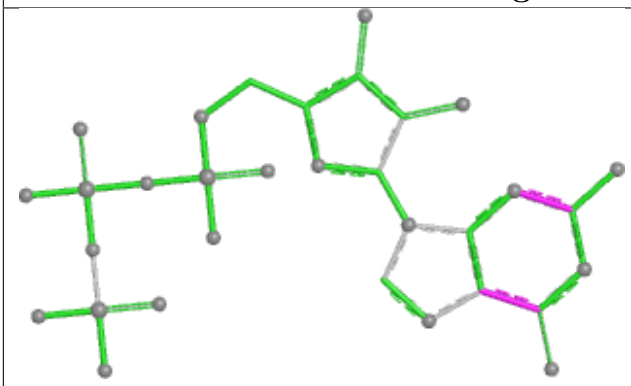


Rings

Ligand GTP G7 501



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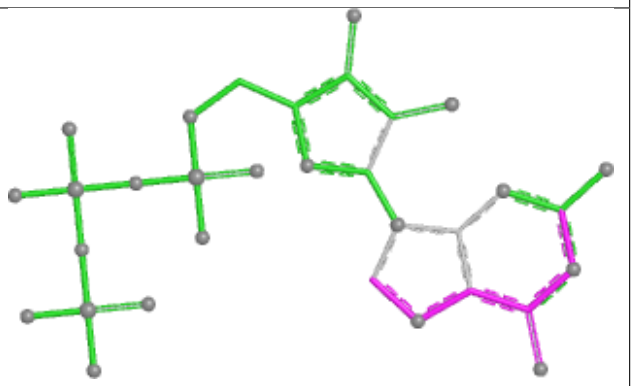

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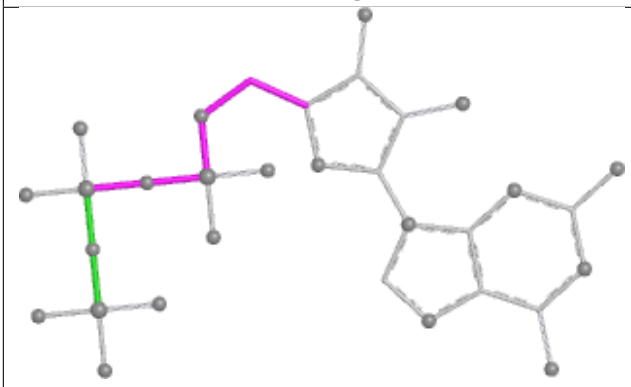

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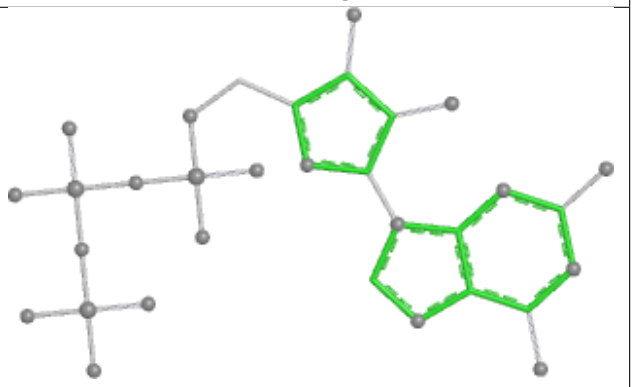
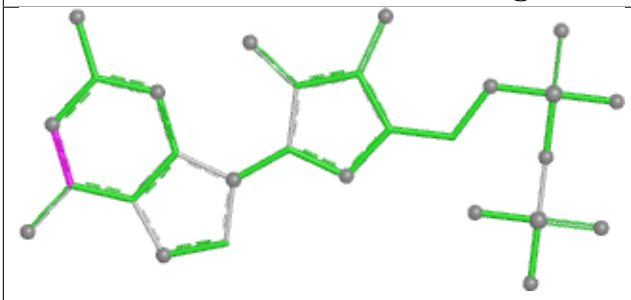


Rings

Ligand GDP O6 502



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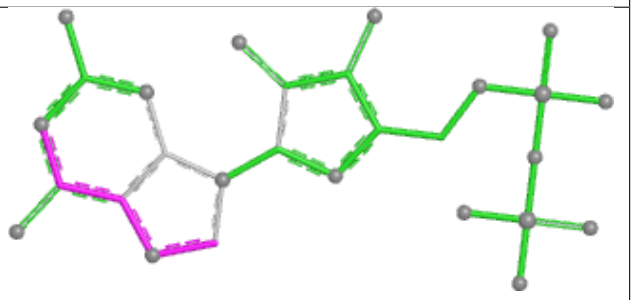

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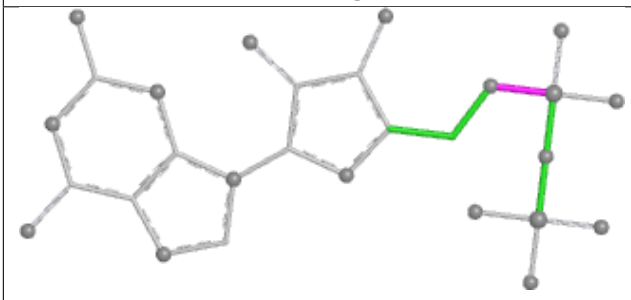

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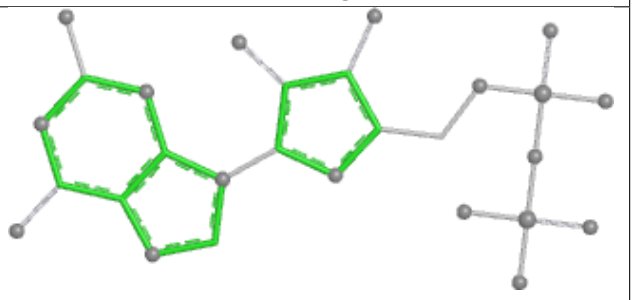
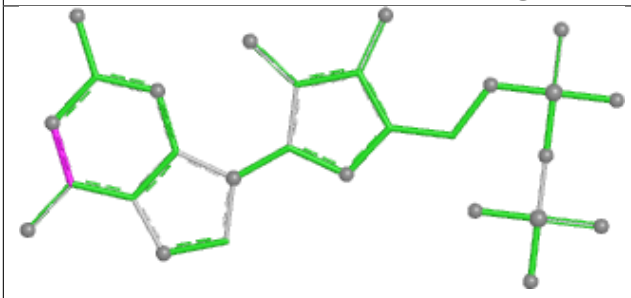
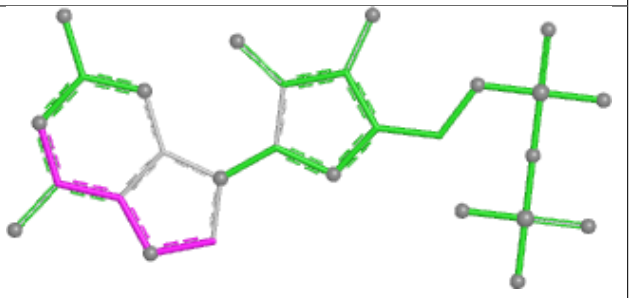
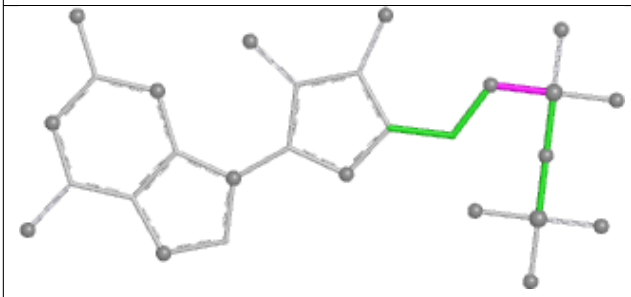
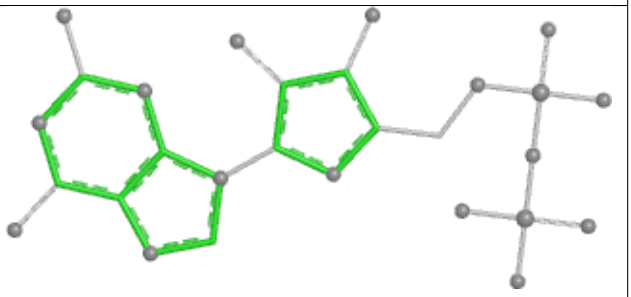


Rings

Ligand GDP Z4 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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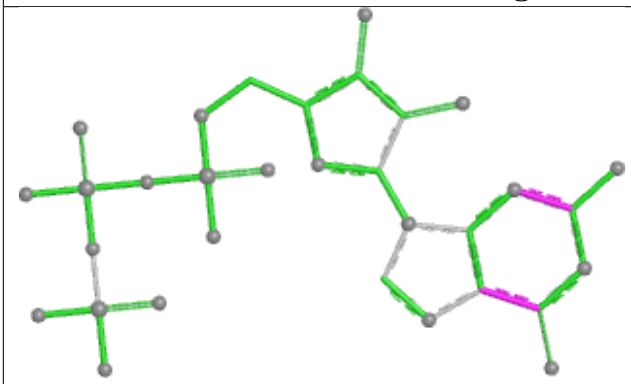
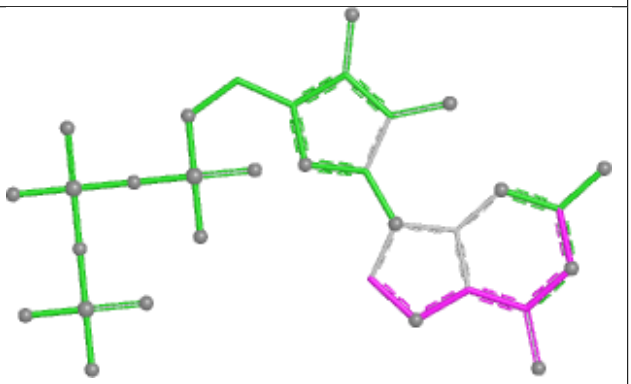
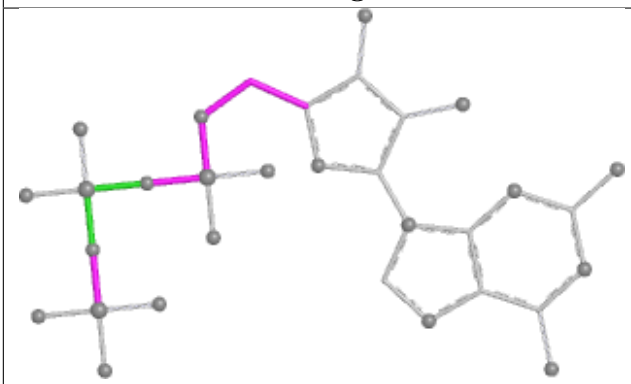
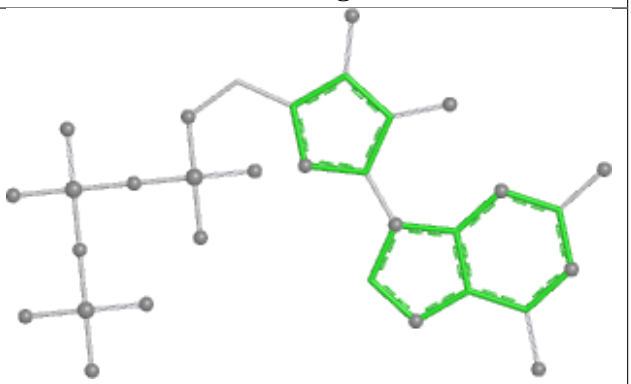
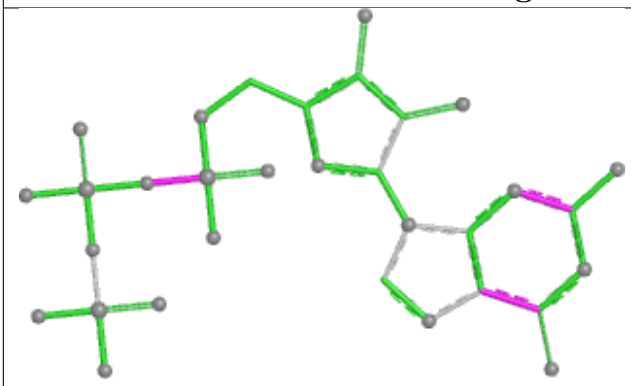
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP GI 501



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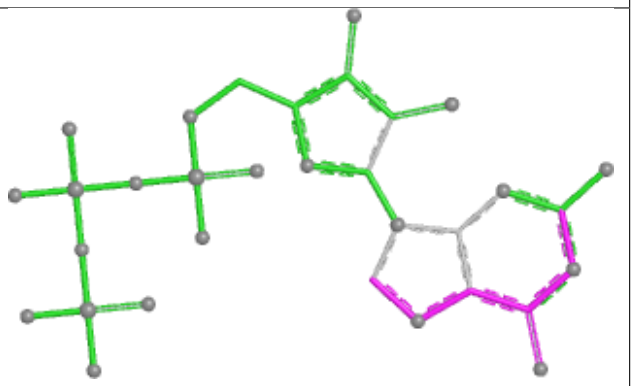

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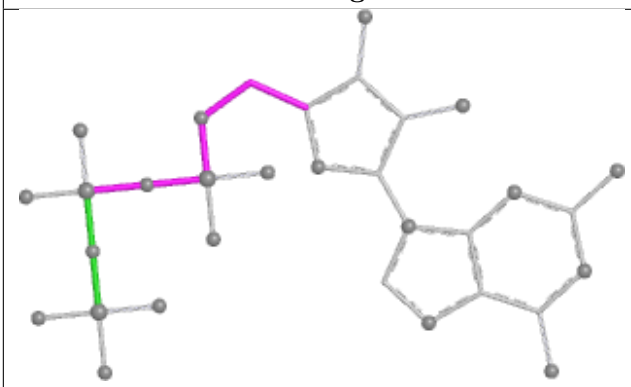

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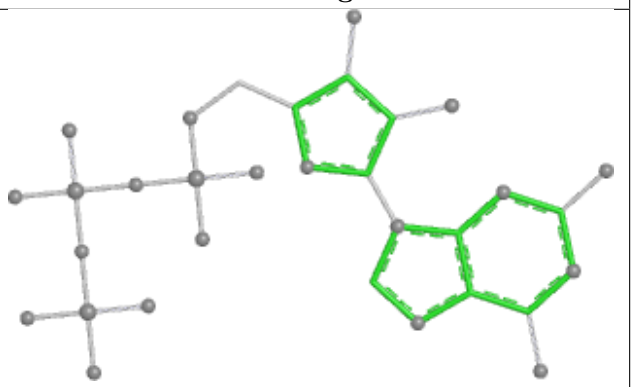
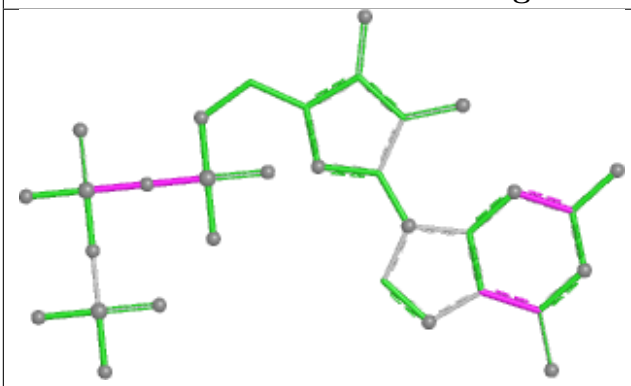


Rings

Ligand GTP U7 501



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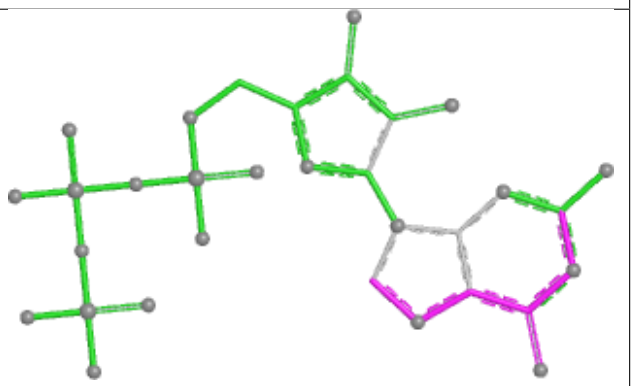

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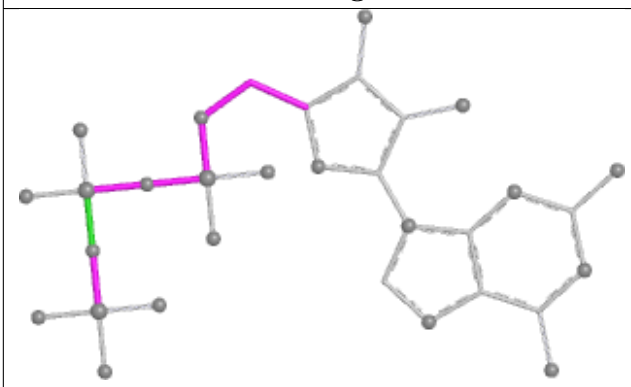

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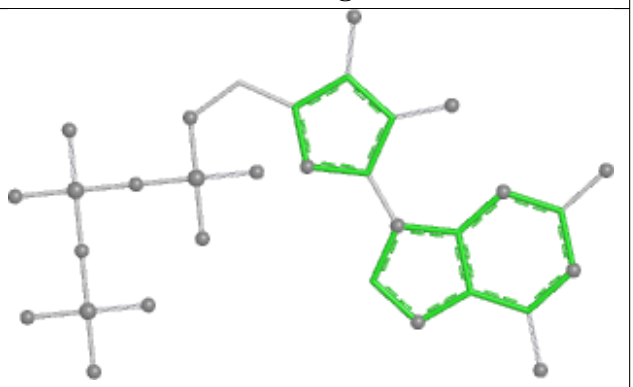
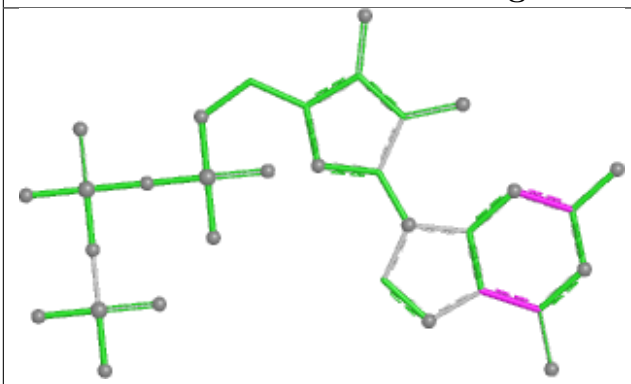


Rings

Ligand GTP W8 501



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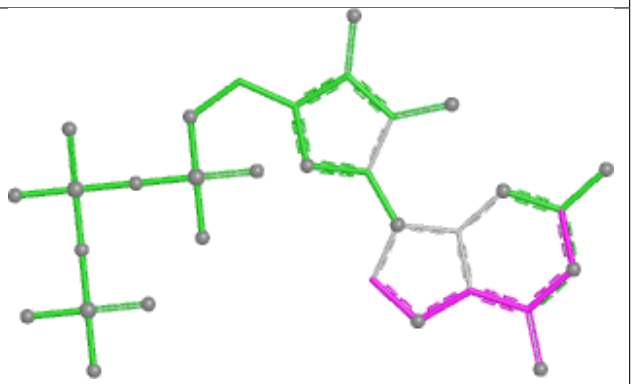

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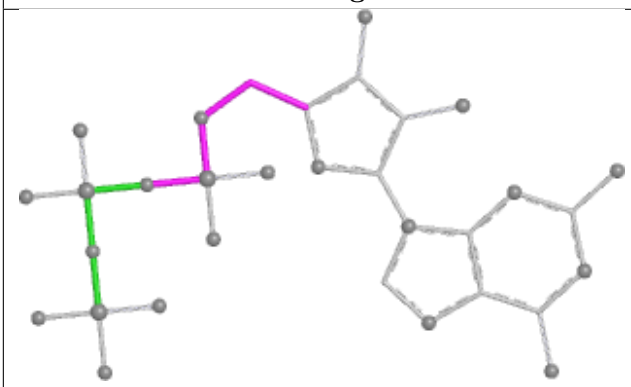

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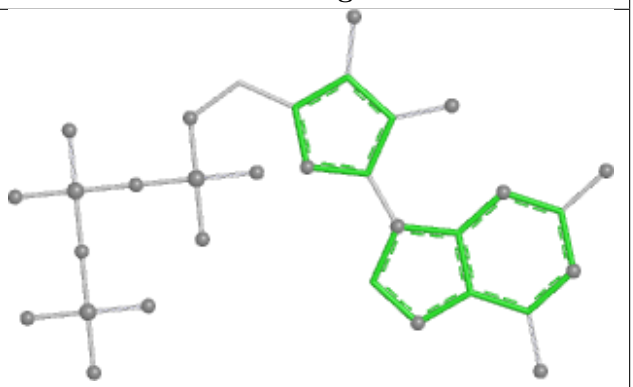
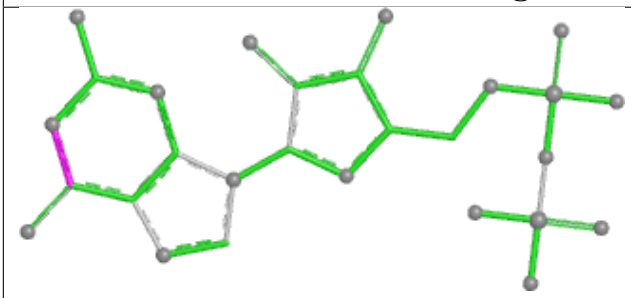


Rings

Ligand GDP O2 502



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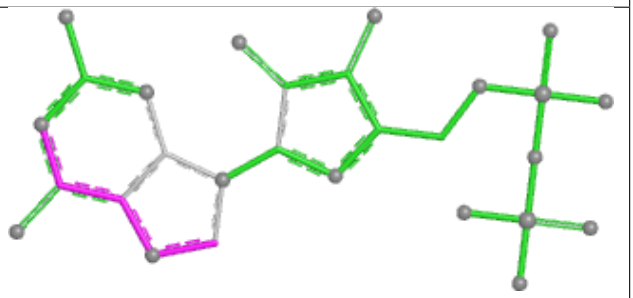
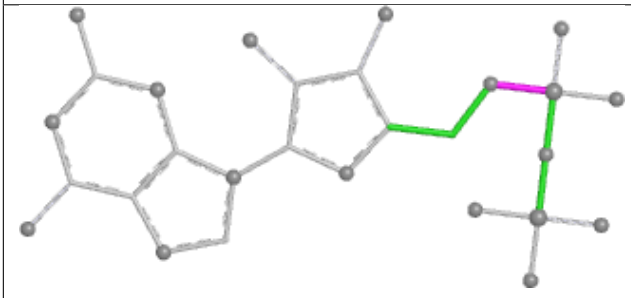
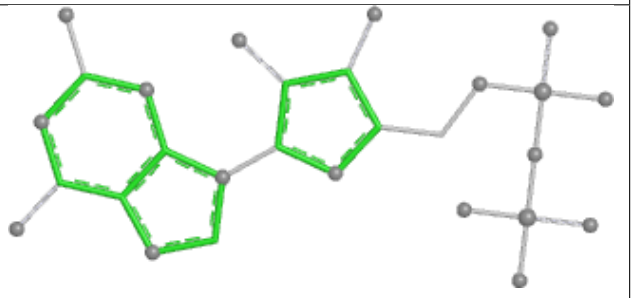


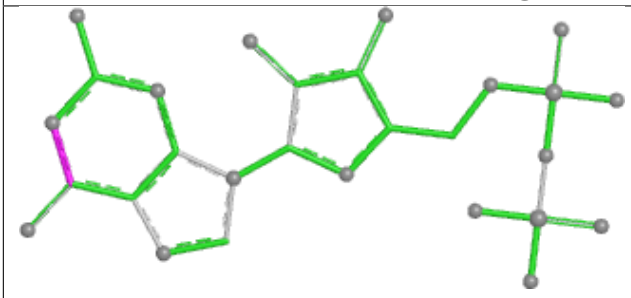
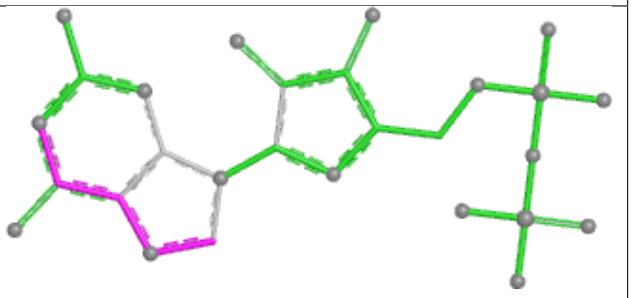
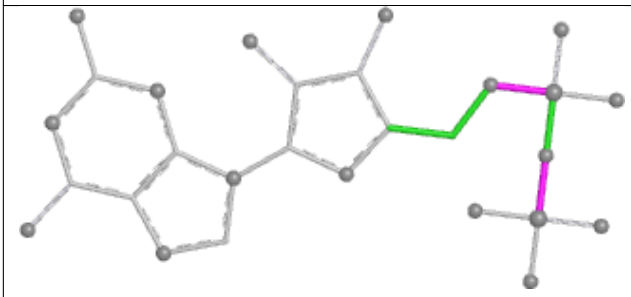
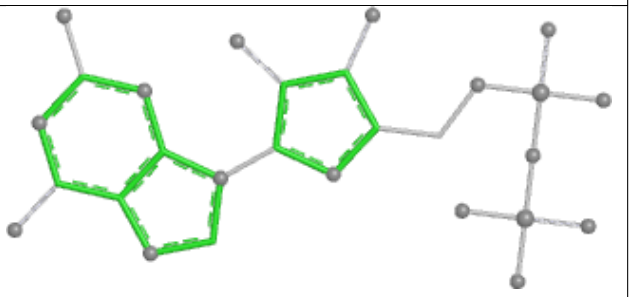
Bond angles

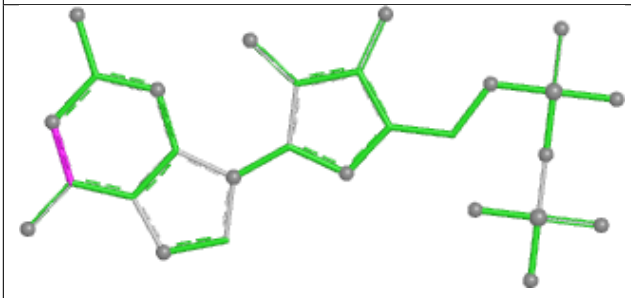
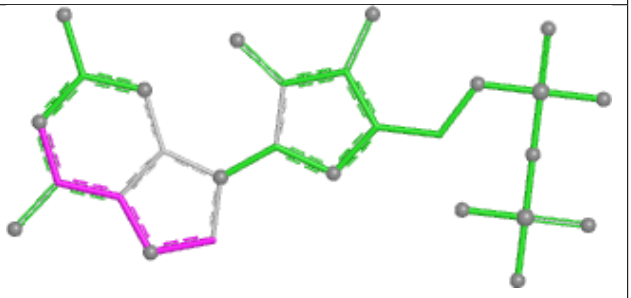
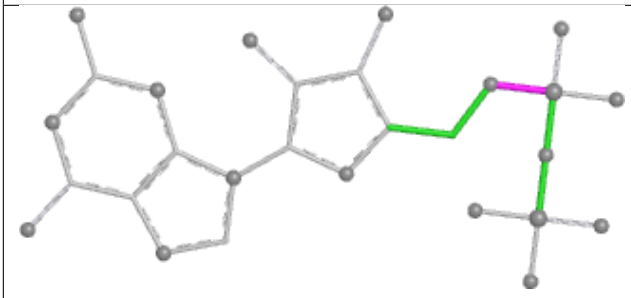
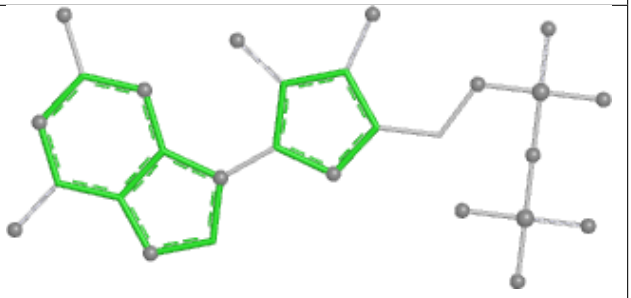


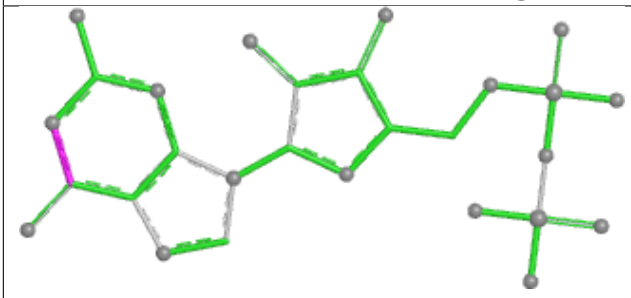
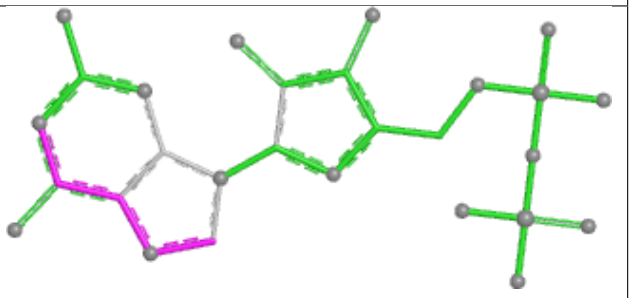
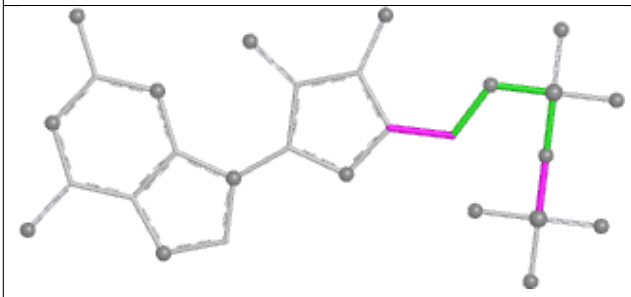
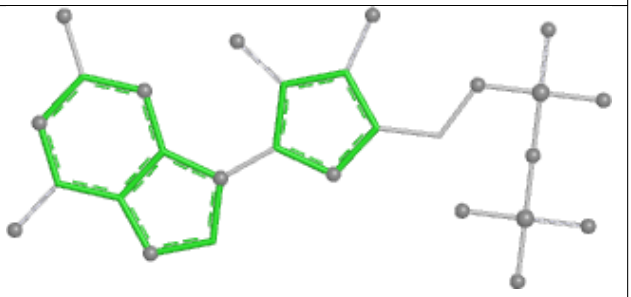
Torsions



Rings

Ligand GDP Ft 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP KU 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP LT 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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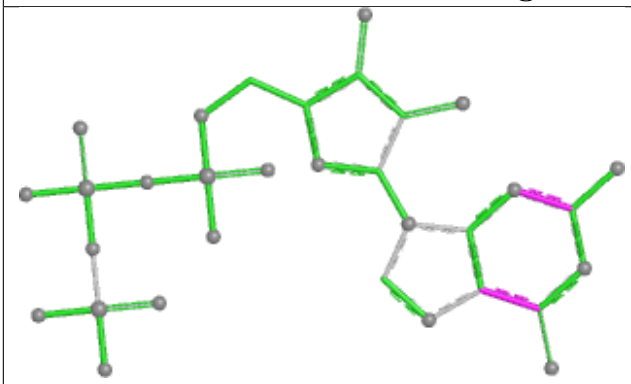
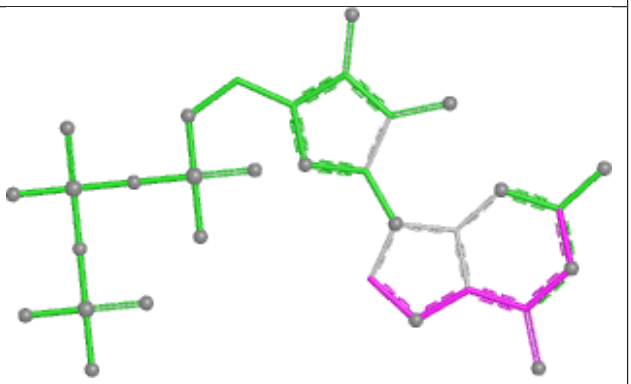
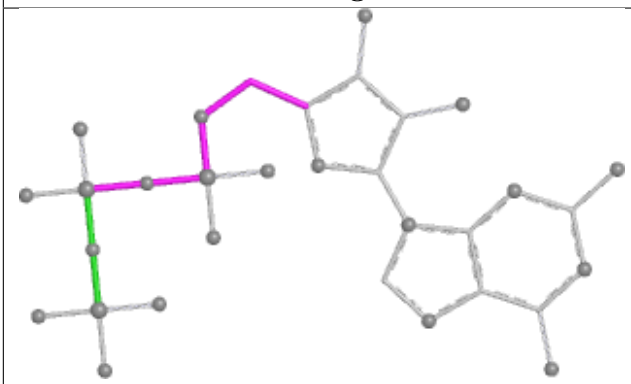
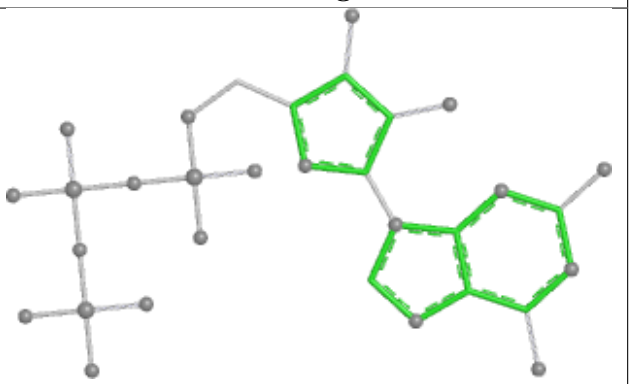
 Bond lengths	 Bond angles
 Torsions	 Rings

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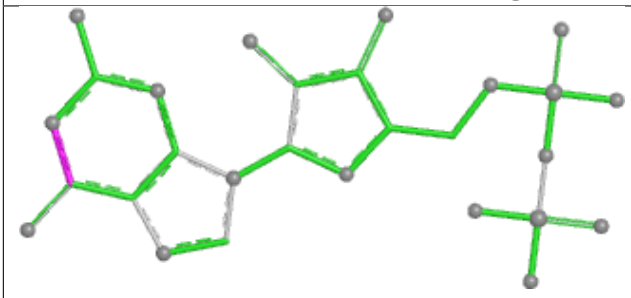
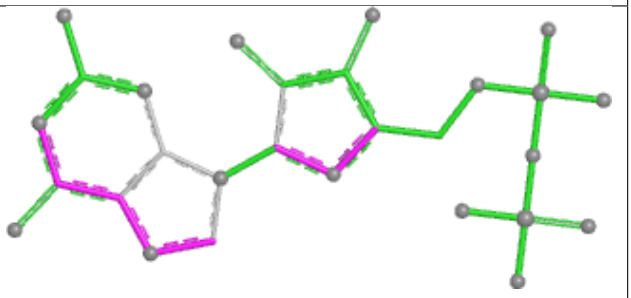
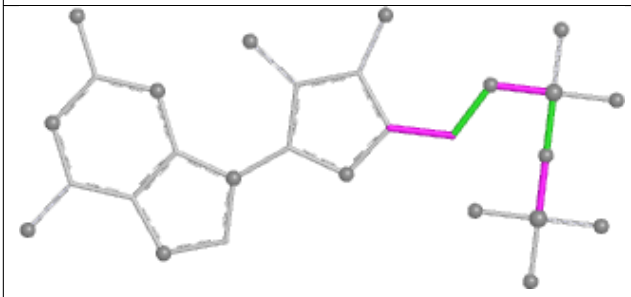
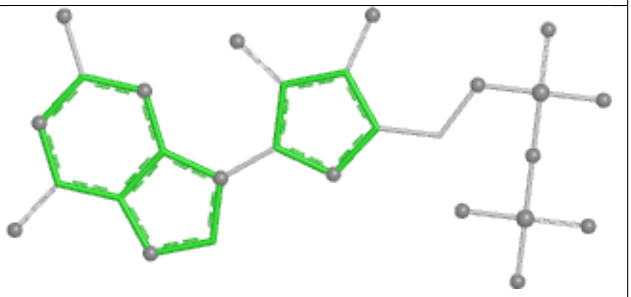
 Bond lengths	 Bond angles
 Torsions	 Rings

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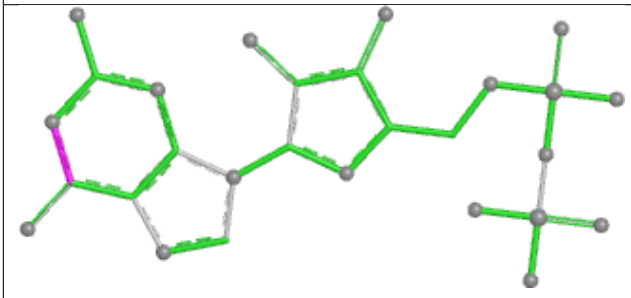
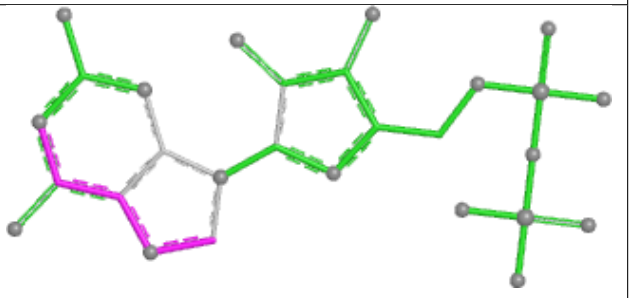
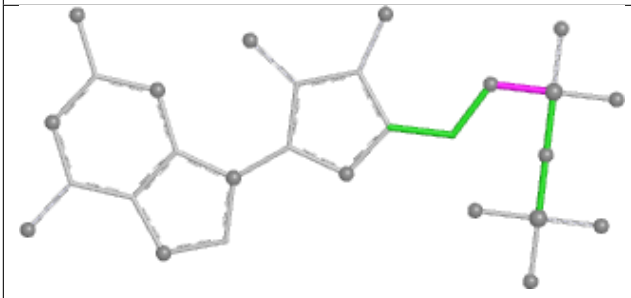
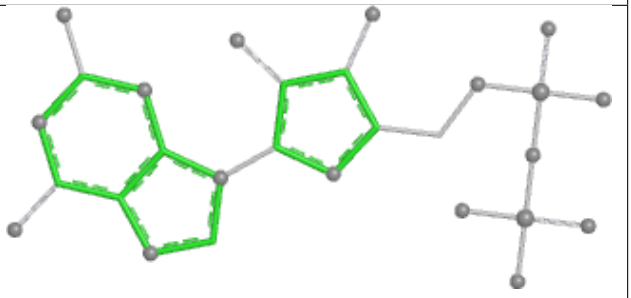
 Bond lengths	 Bond angles
 Torsions	 Rings

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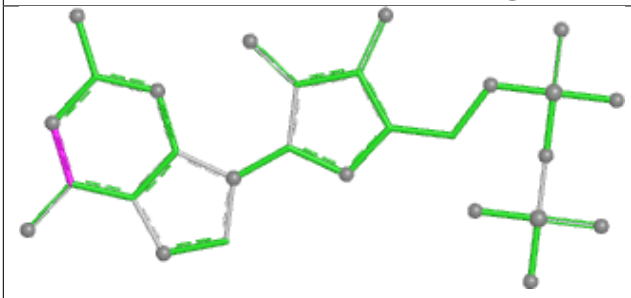
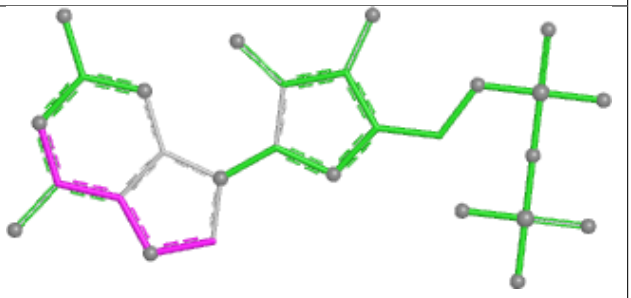
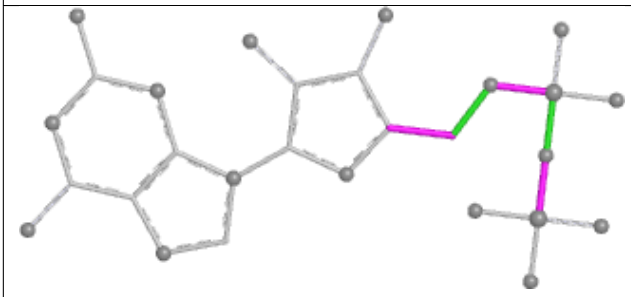
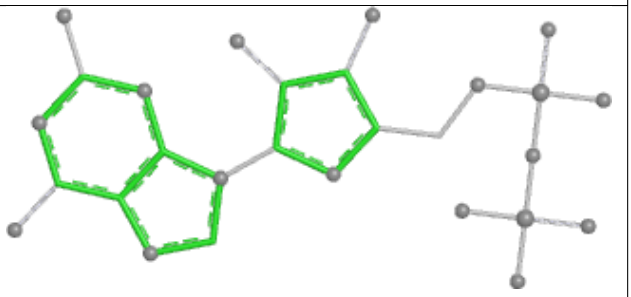
 Bond lengths	 Bond angles
 Torsions	 Rings

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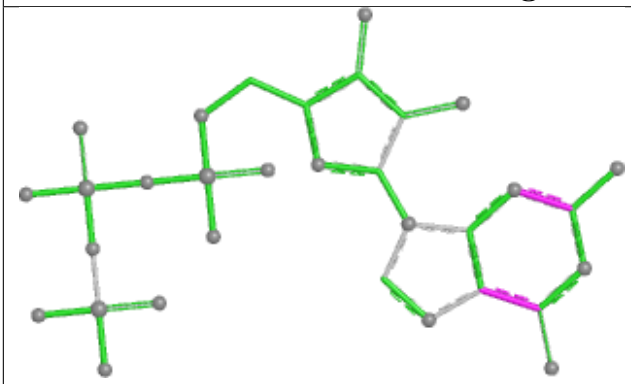
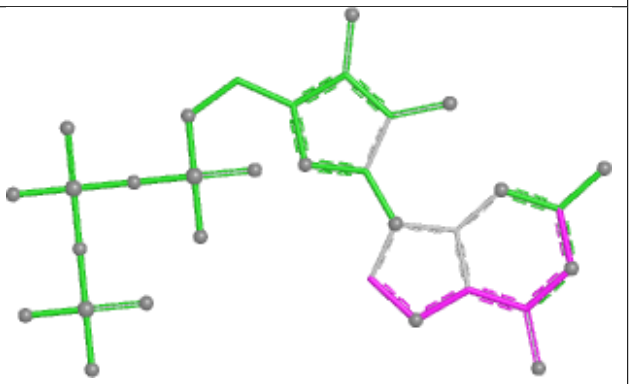
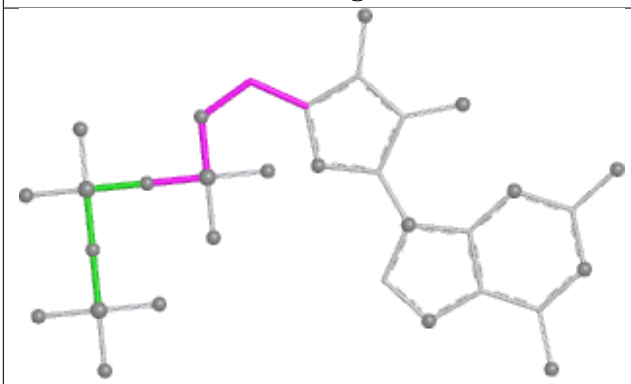
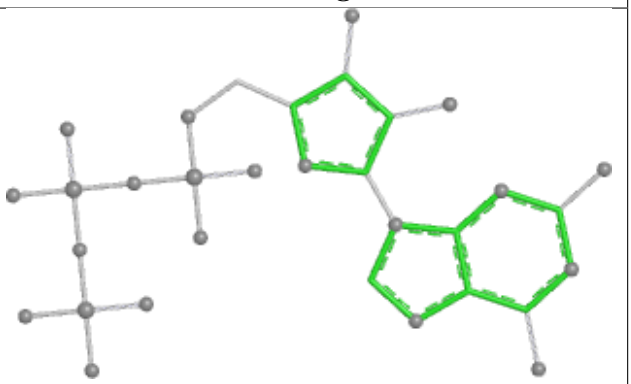
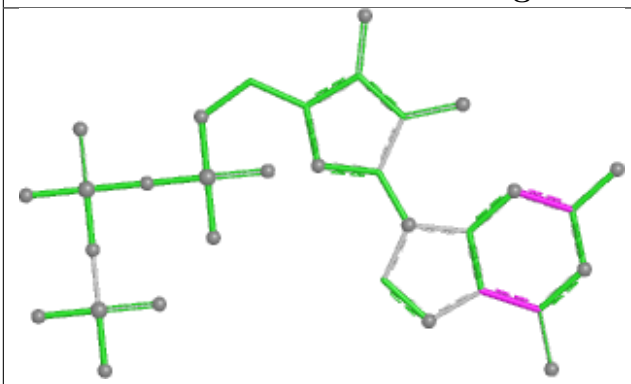
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP O6 501



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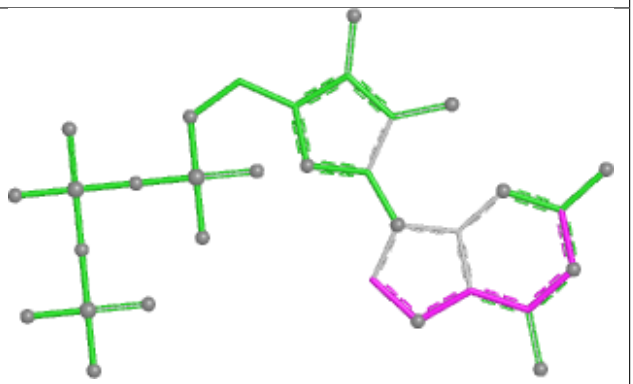

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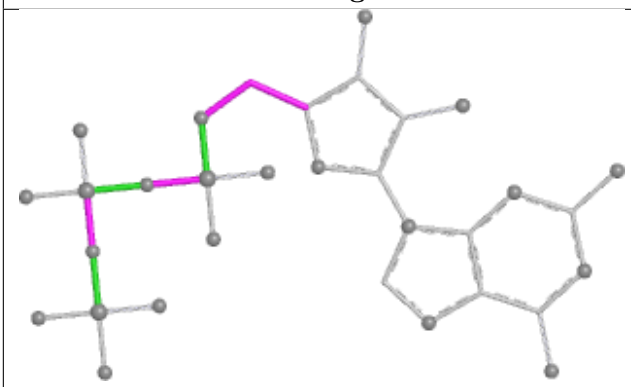

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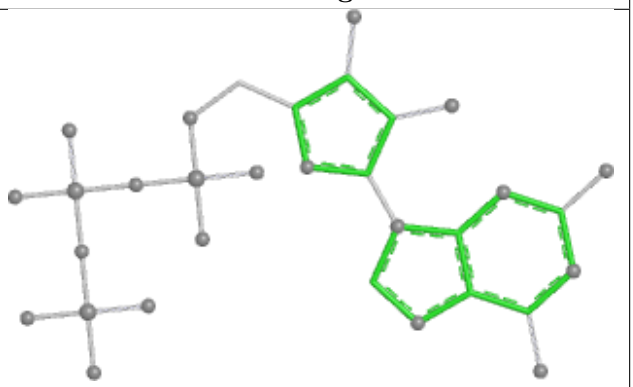
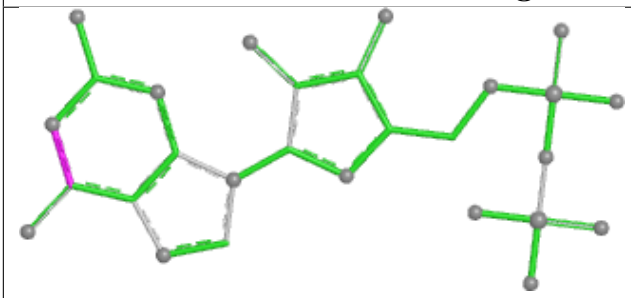


Rings

Ligand GDP S4 501



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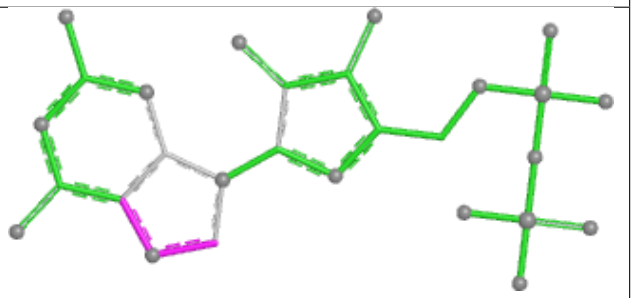

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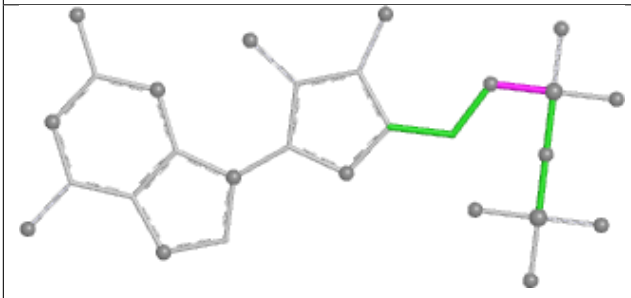

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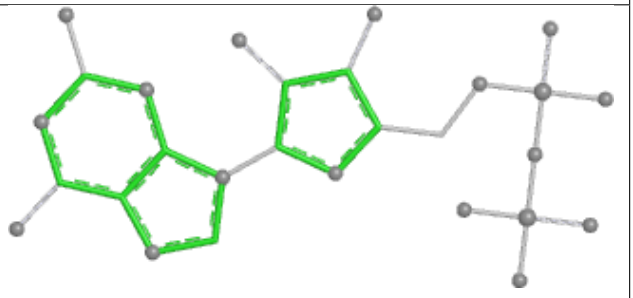

Rings

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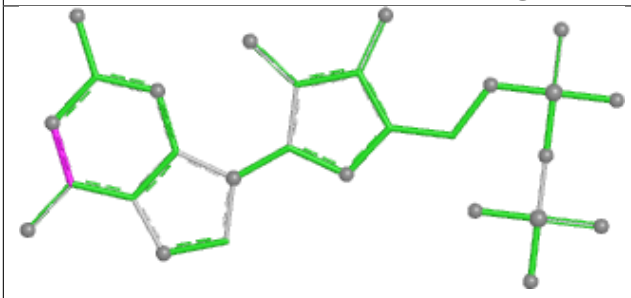
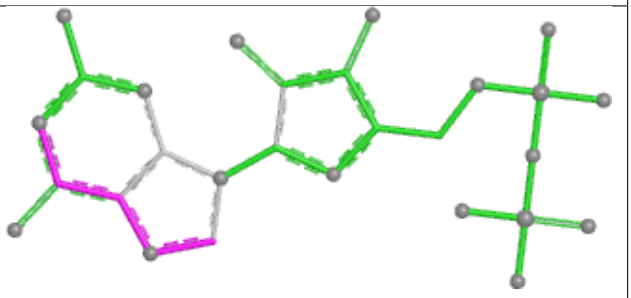
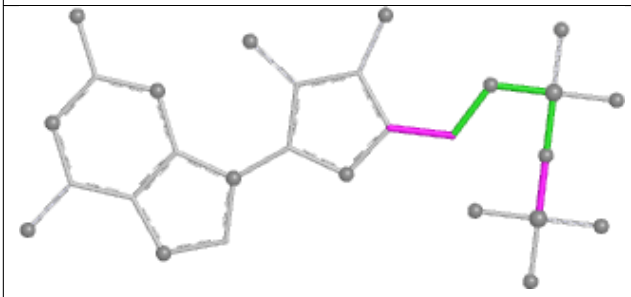
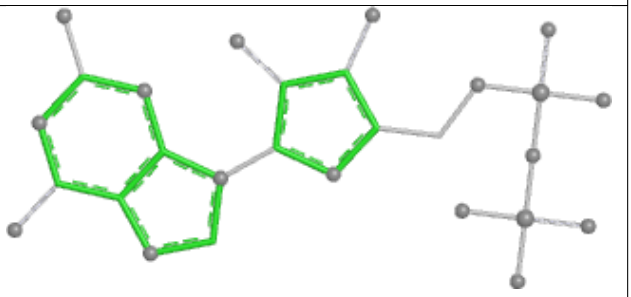
 Bond lengths	 Bond angles
 Torsions	 Rings

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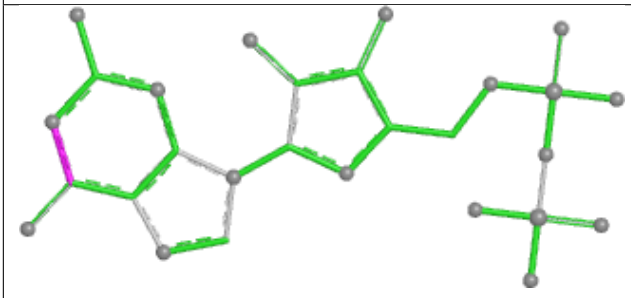
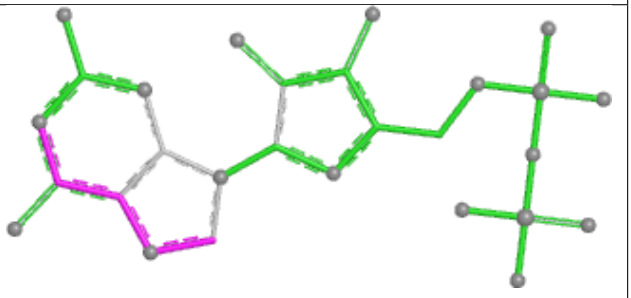
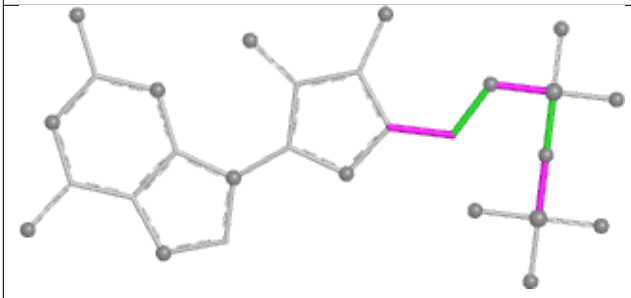
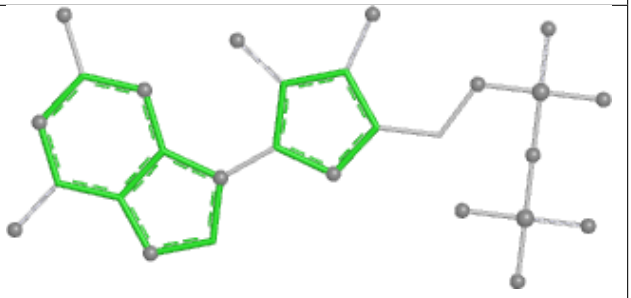
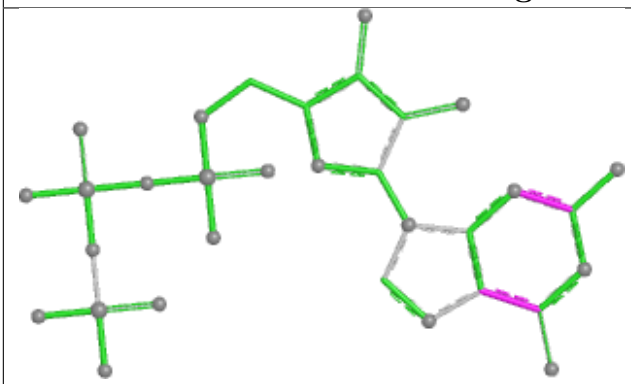
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP E0 502



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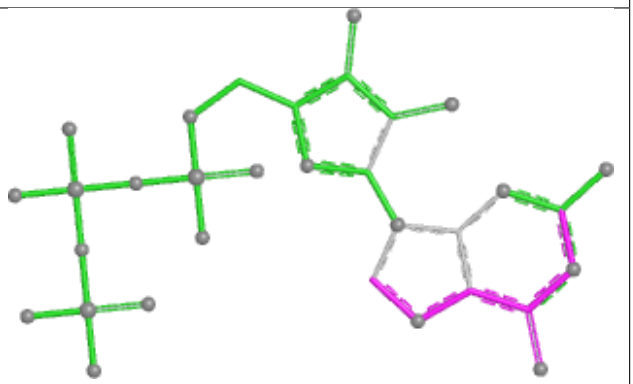

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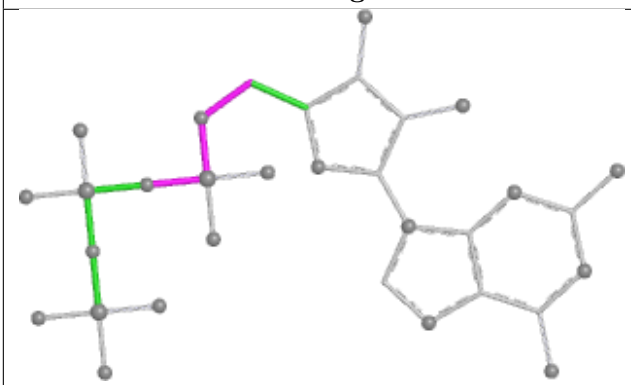
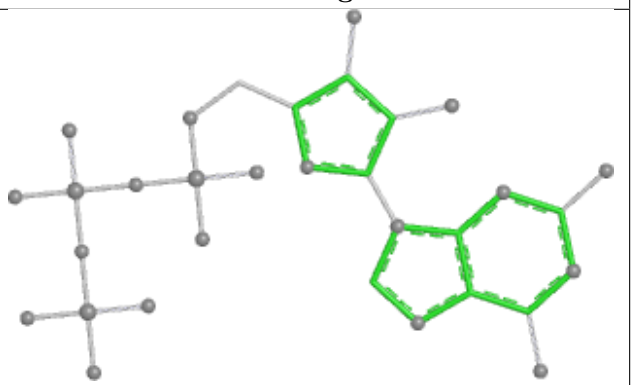
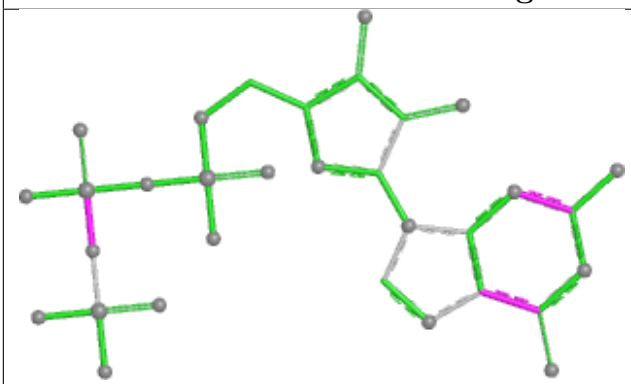


Torsions



Rings

Ligand GTP L2 501



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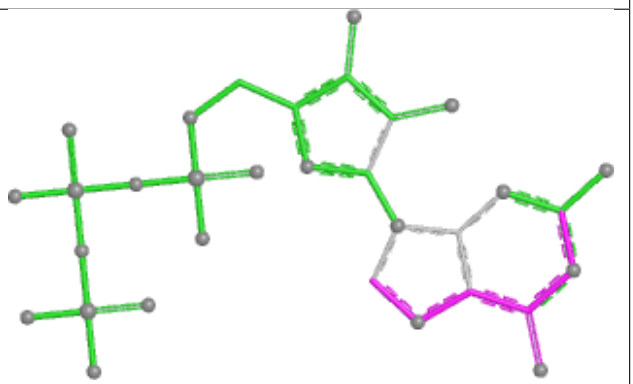

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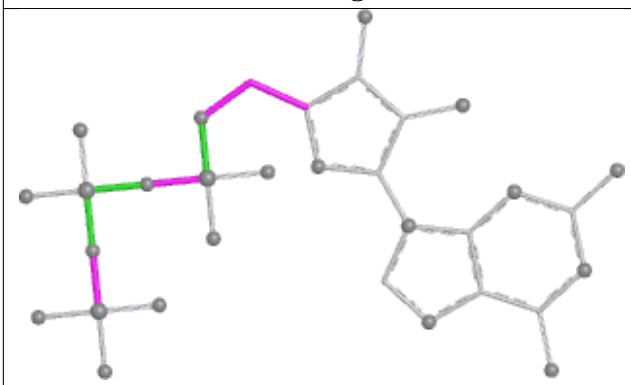

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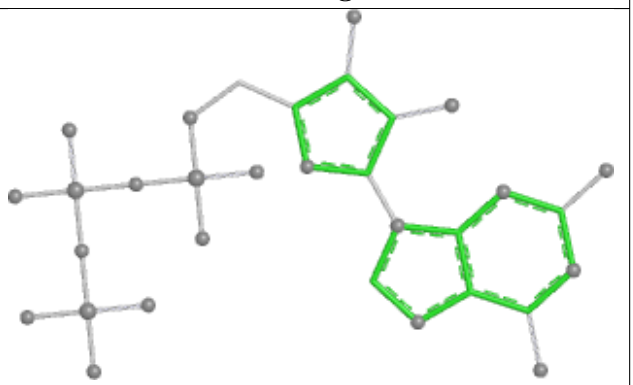
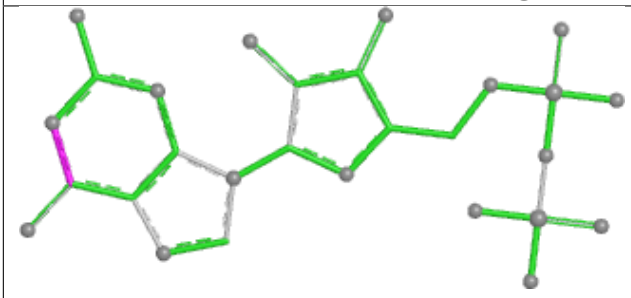
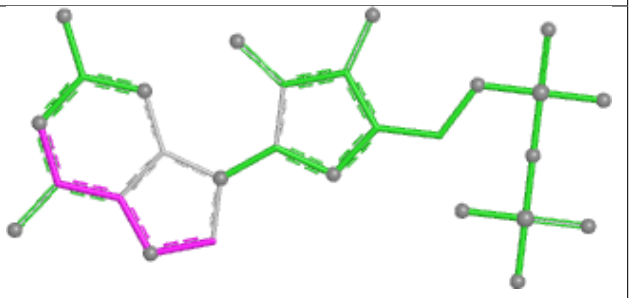
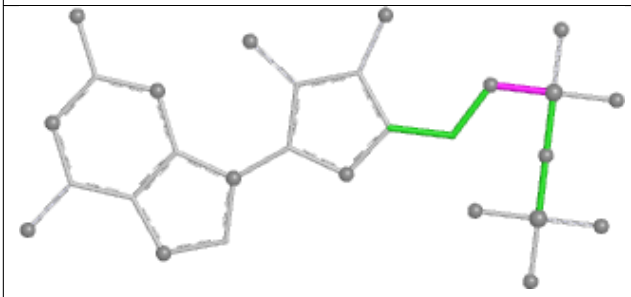
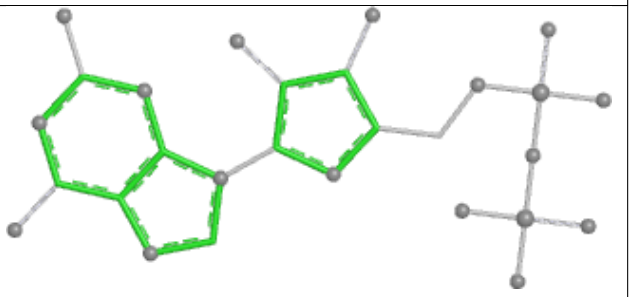


Rings

Ligand GDP S8 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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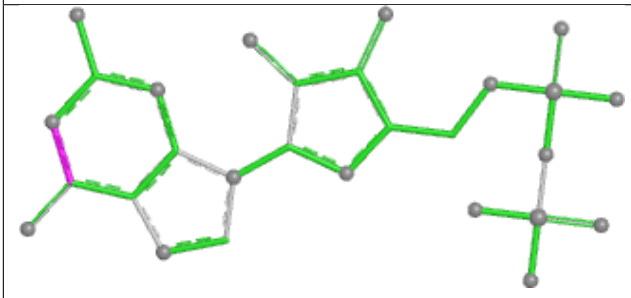
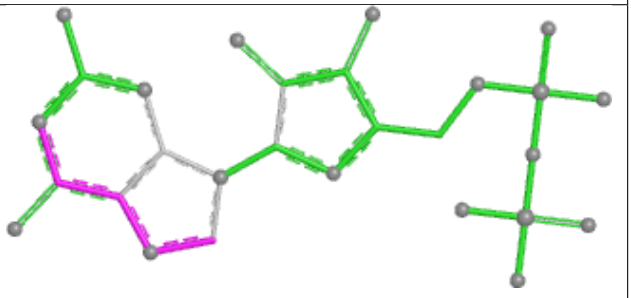
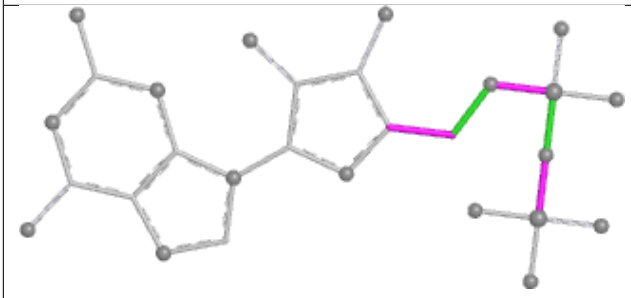
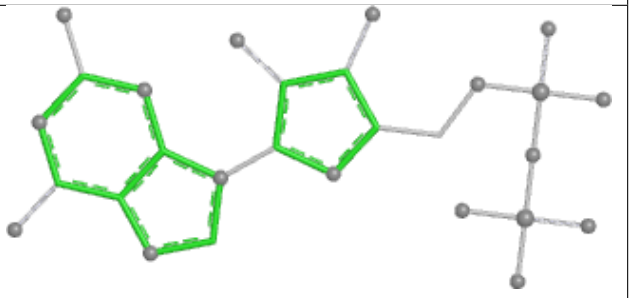
 Bond lengths	 Bond angles
 Torsions	 Rings

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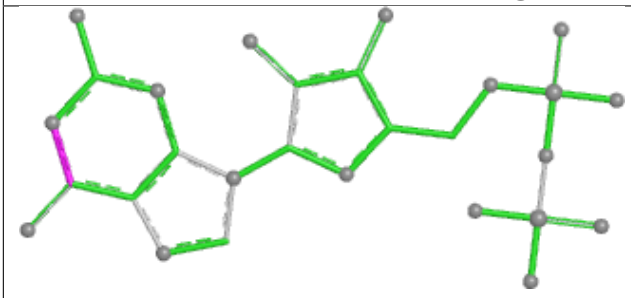
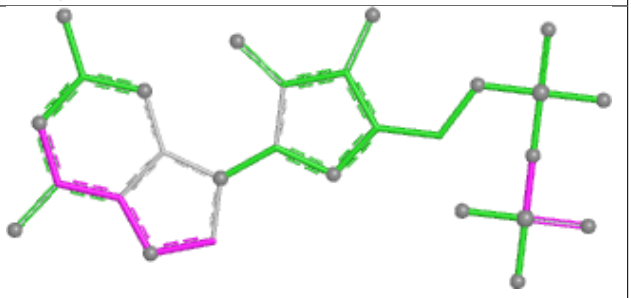
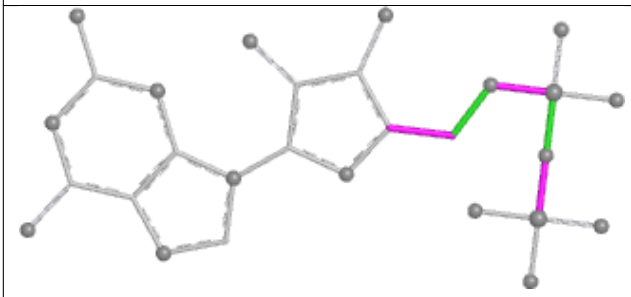
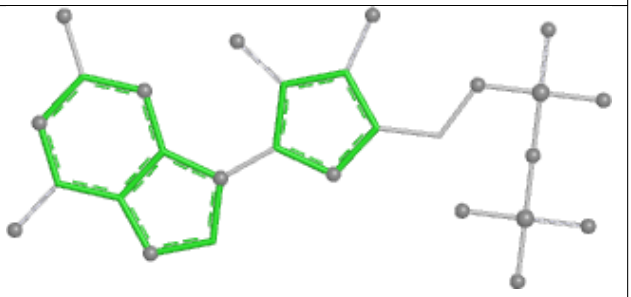
 Bond lengths	 Bond angles
 Torsions	 Rings

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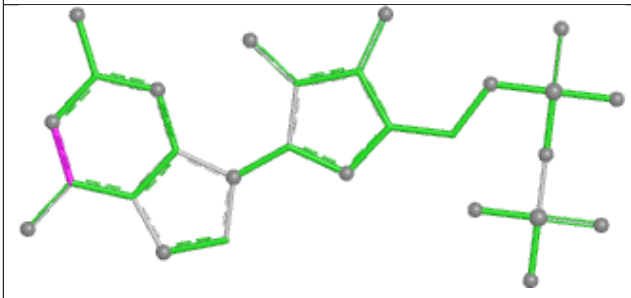
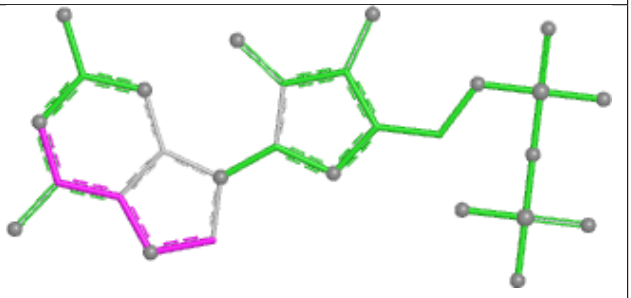
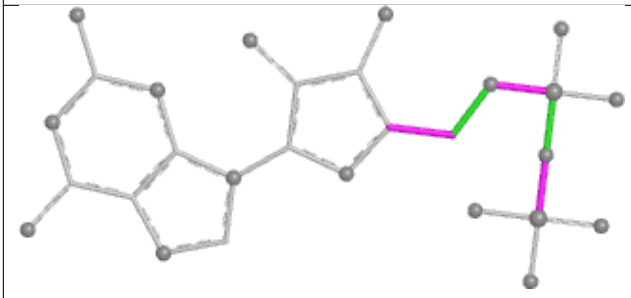
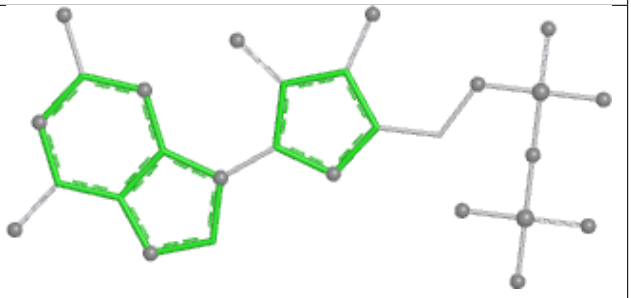
 Bond lengths	 Bond angles
 Torsions	 Rings

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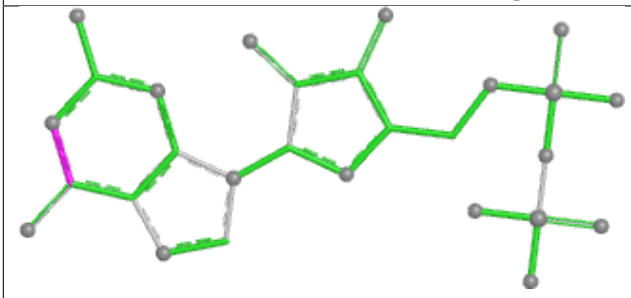

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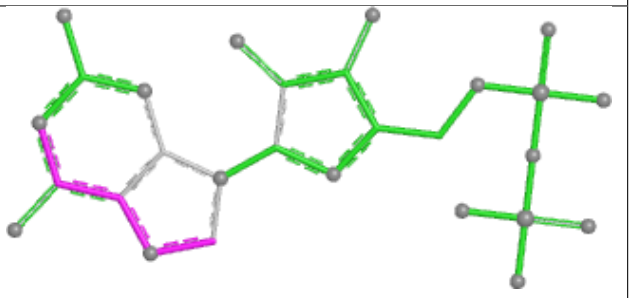

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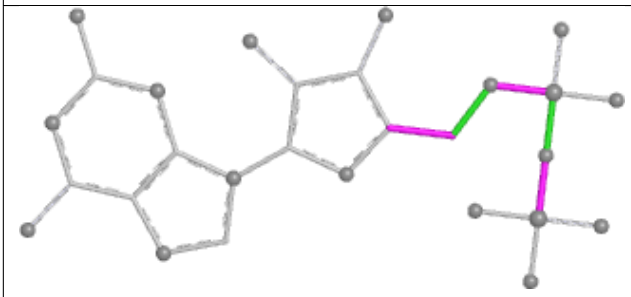

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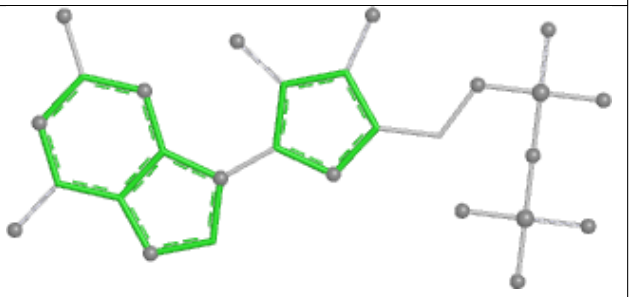
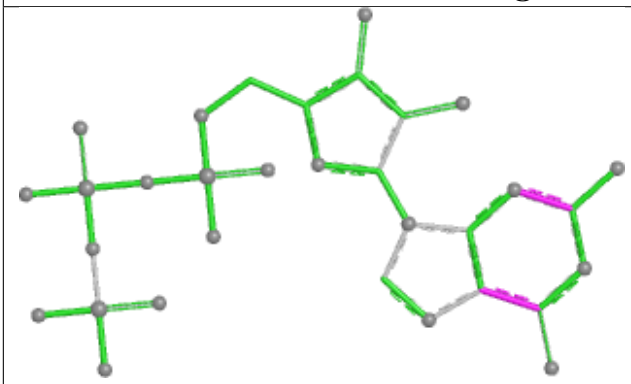


Rings

Ligand GTP B7 501



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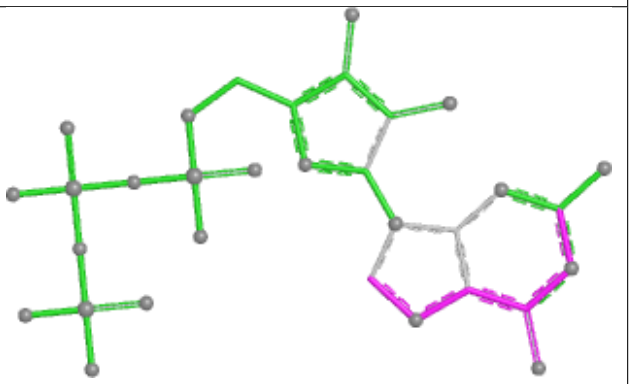

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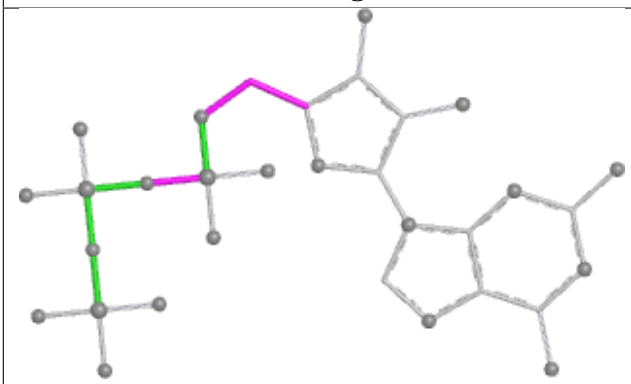

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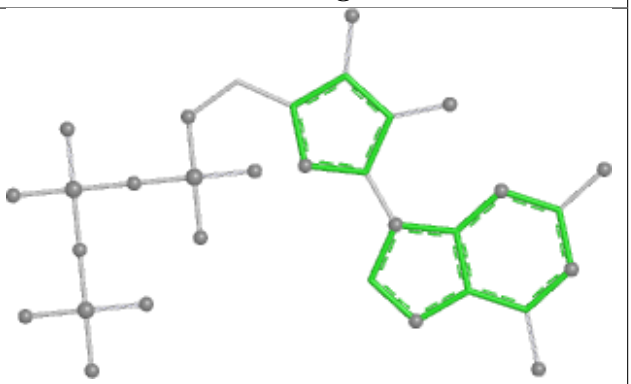

Rings

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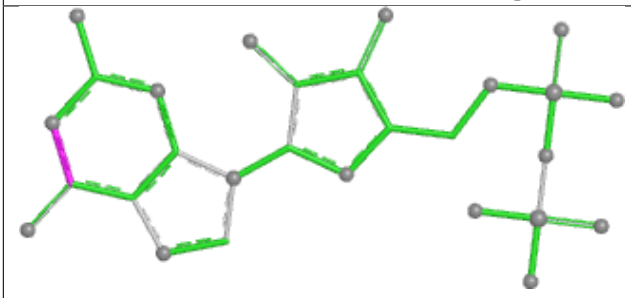
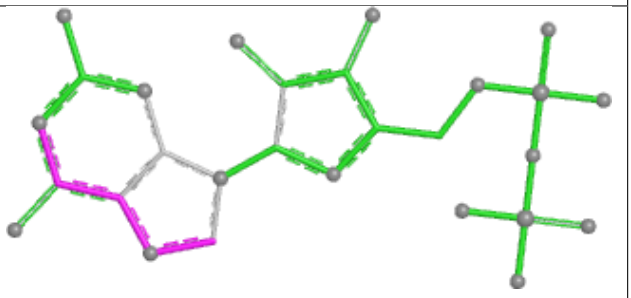
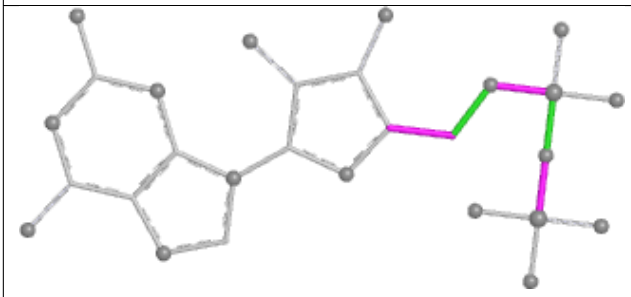
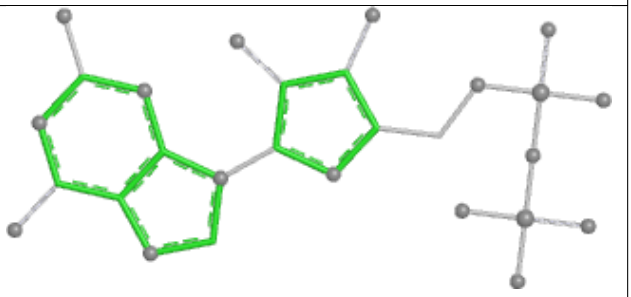
 Bond lengths	 Bond angles
 Torsions	 Rings

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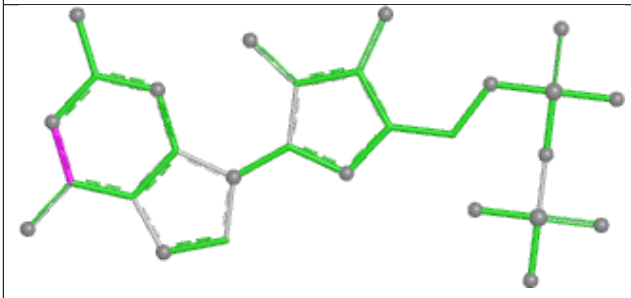
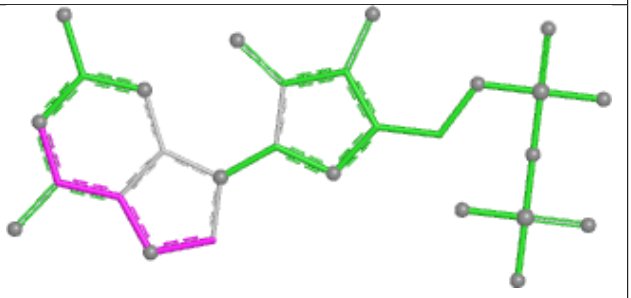
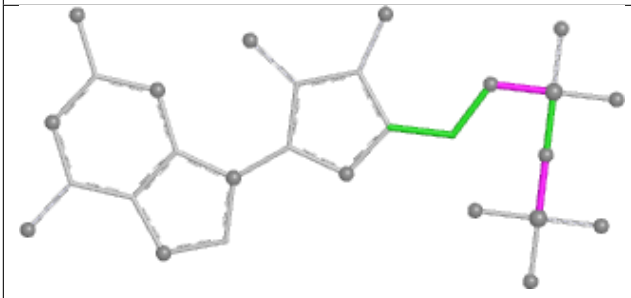
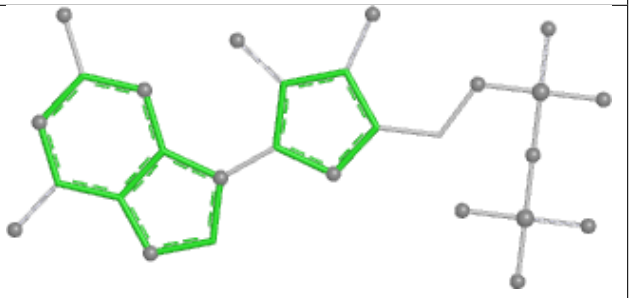
 Bond lengths	 Bond angles
 Torsions	 Rings

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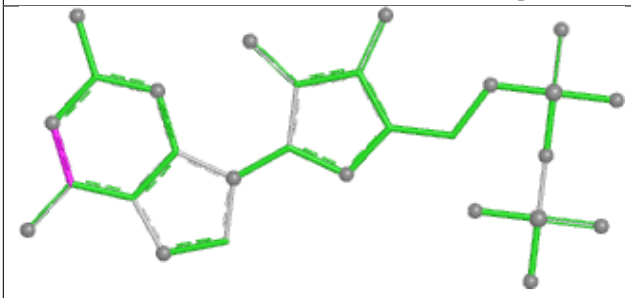
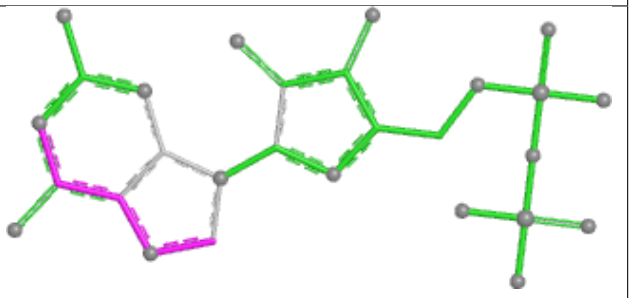
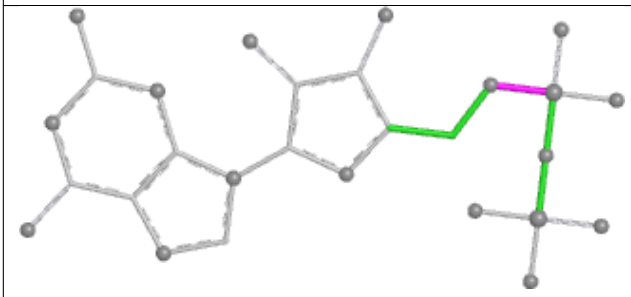
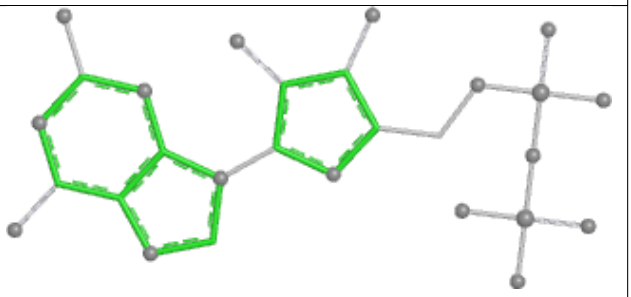
 Bond lengths	 Bond angles
 Torsions	 Rings

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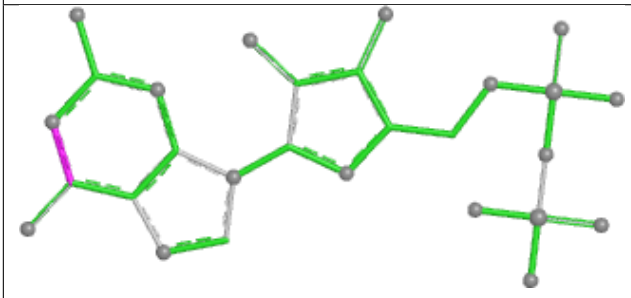
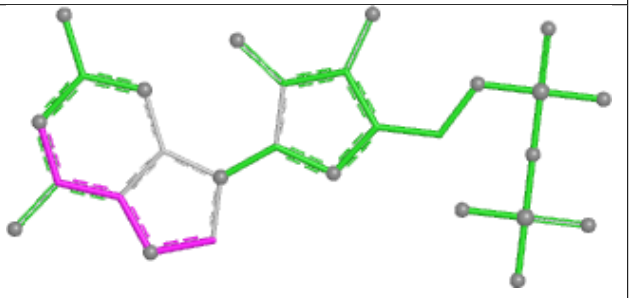
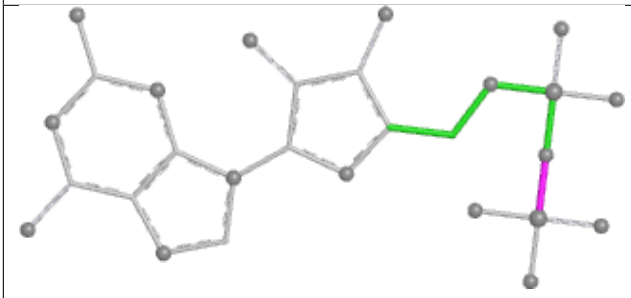
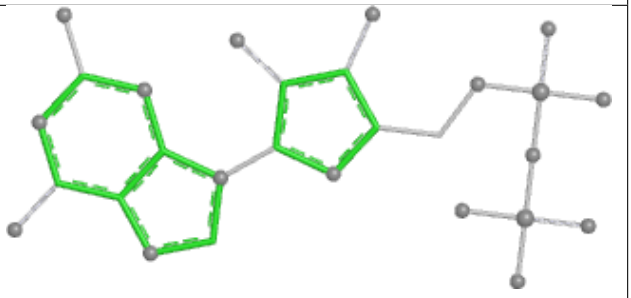
 Bond lengths	 Bond angles
 Torsions	 Rings

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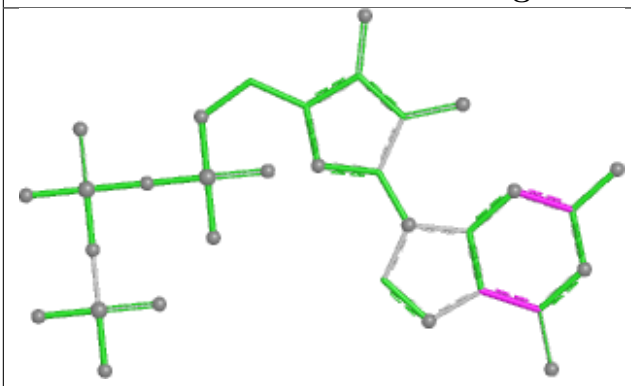

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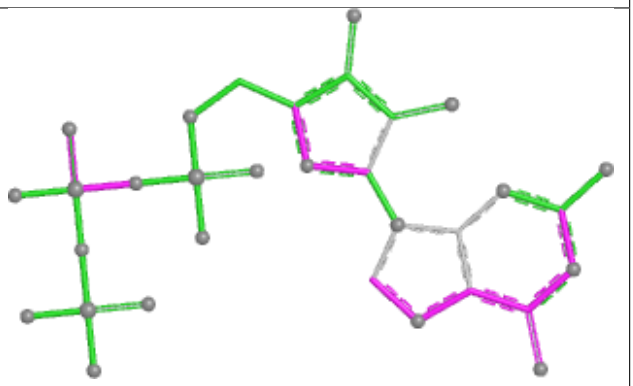

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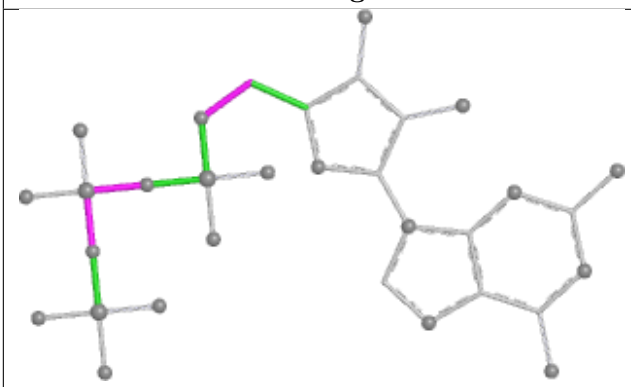

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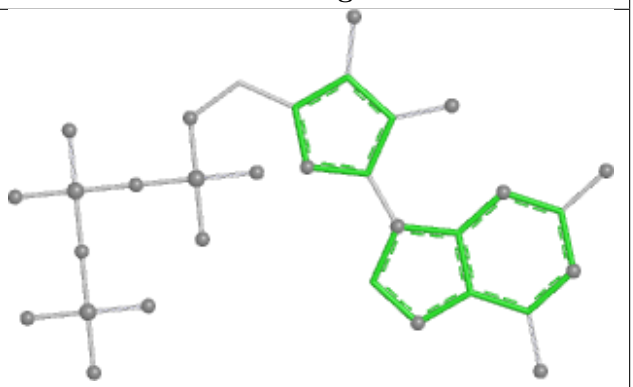

Rings

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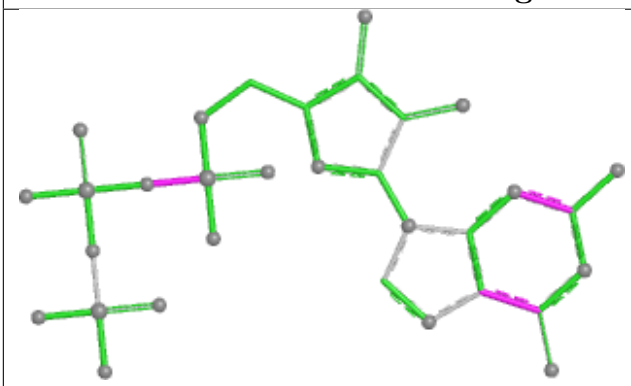

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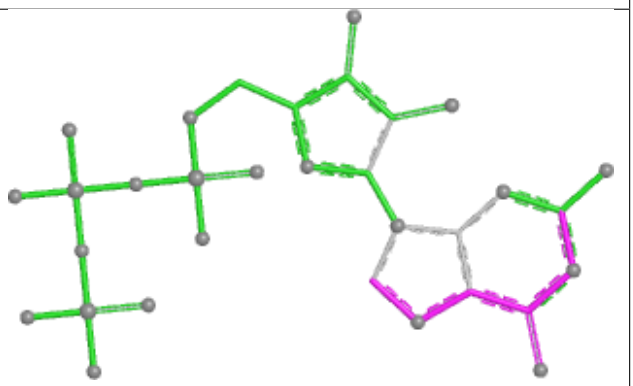

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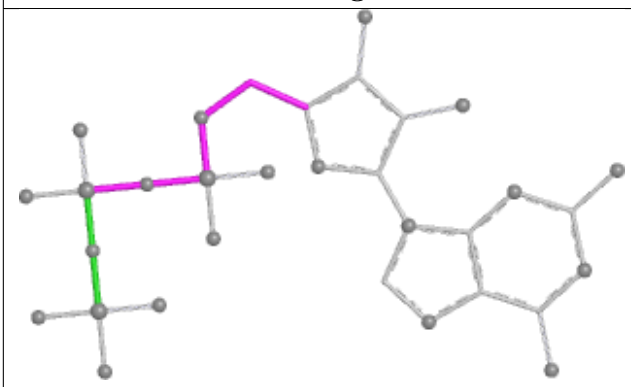

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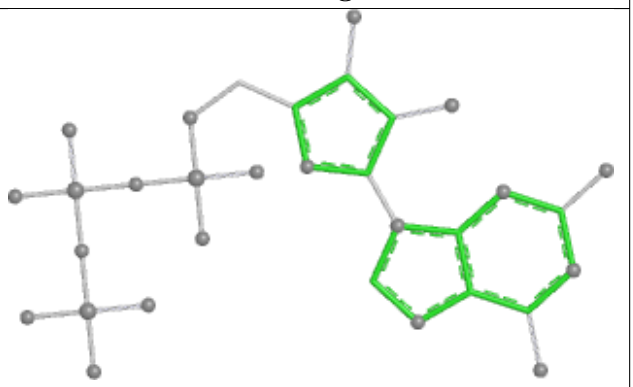
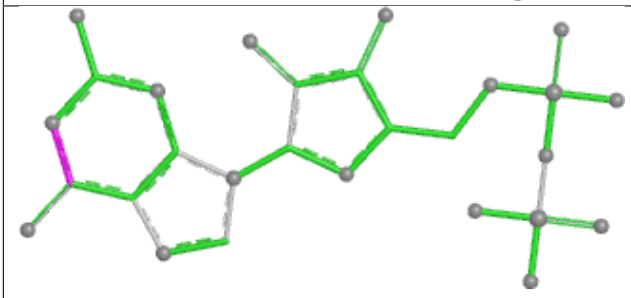


Rings

Ligand GDP BB 502



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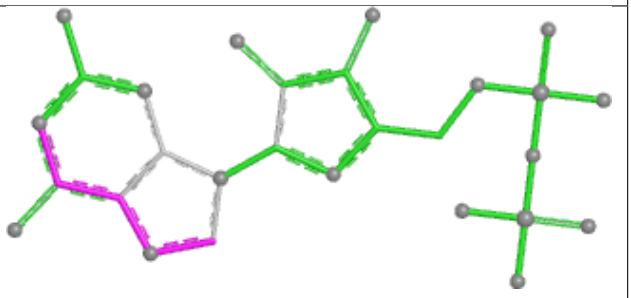

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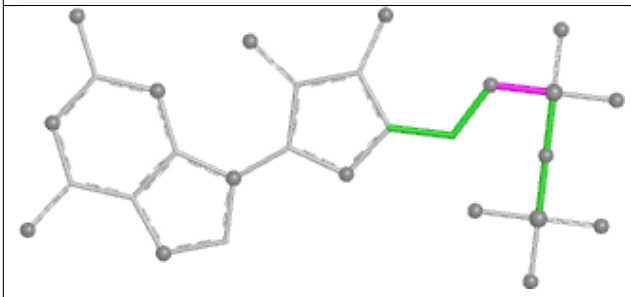

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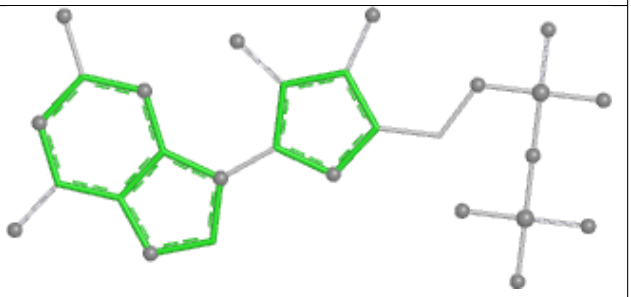

Rings

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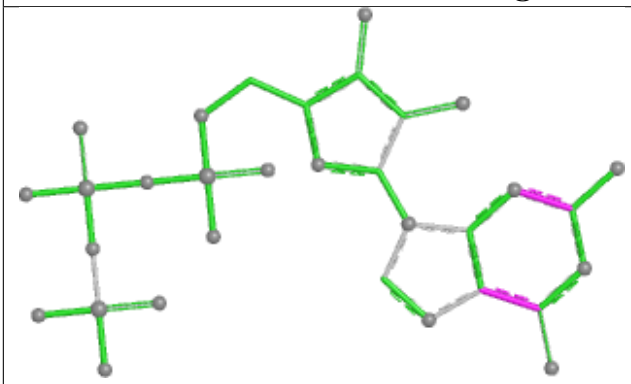

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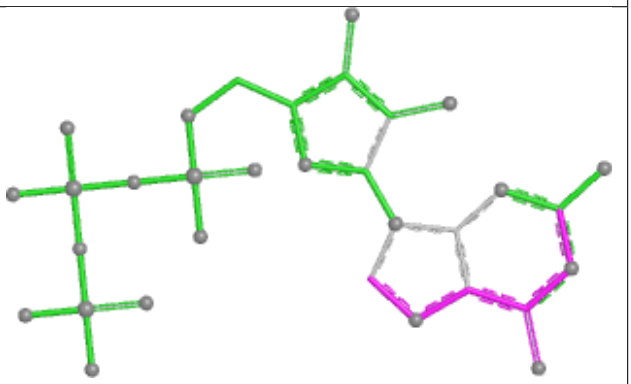

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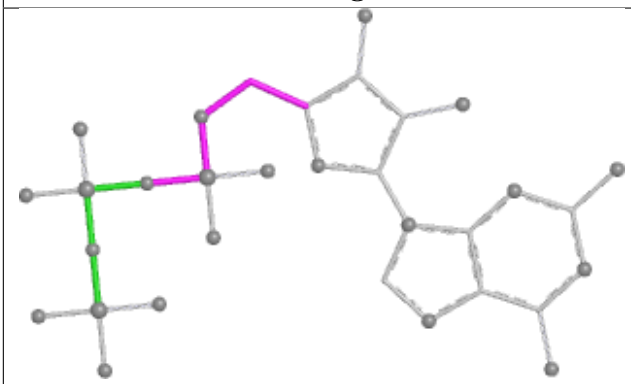

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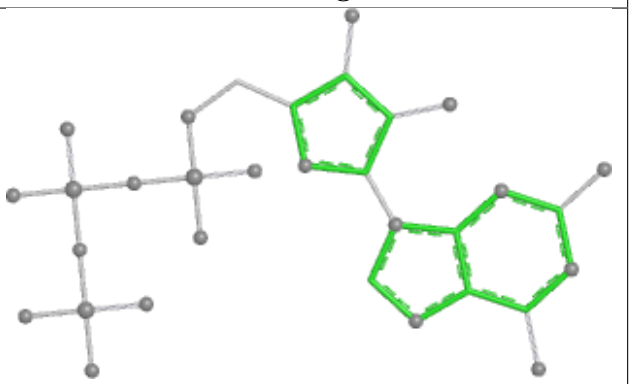

Rings

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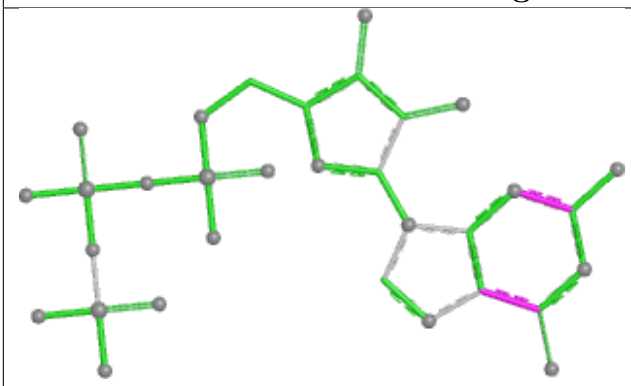

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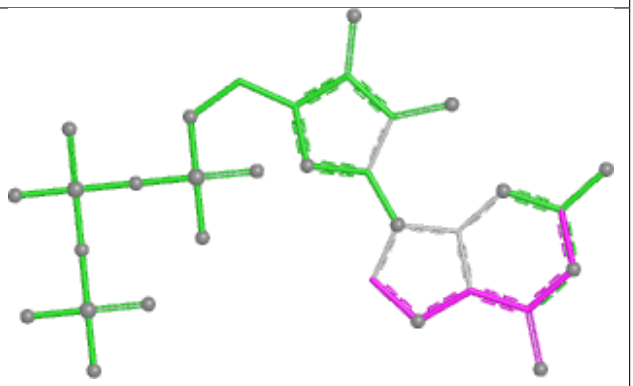

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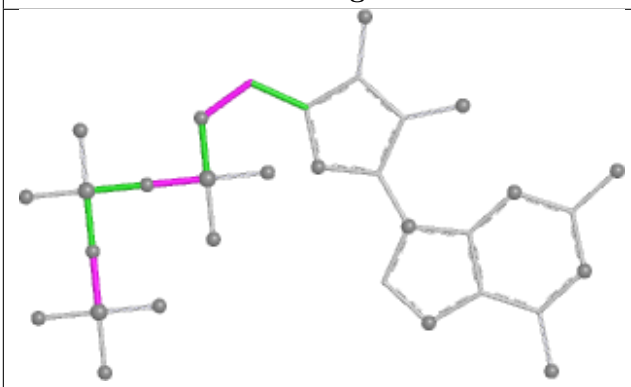

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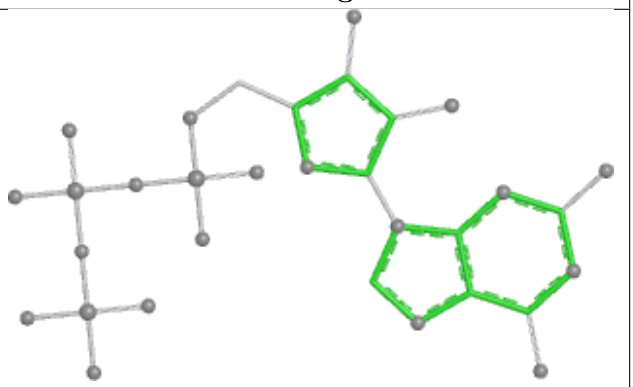
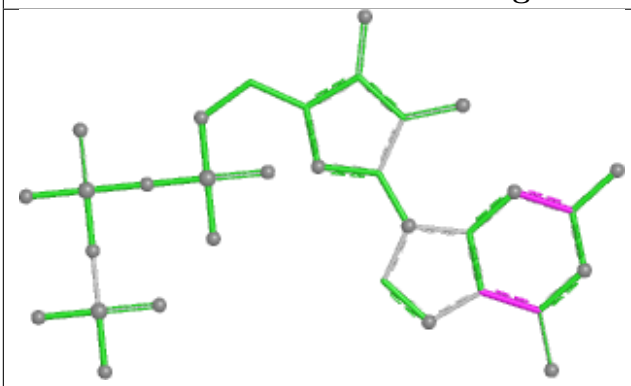
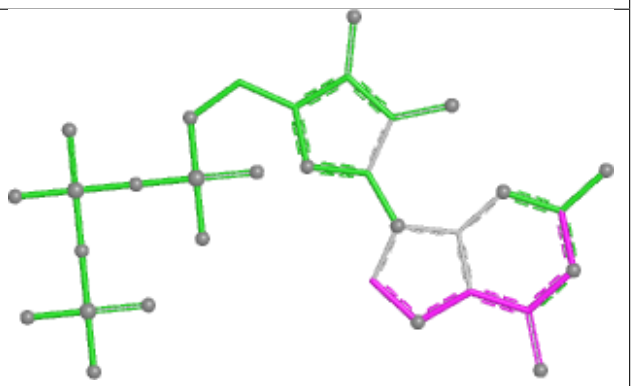


Rings

Ligand GTP 1N 501



Bond lengths



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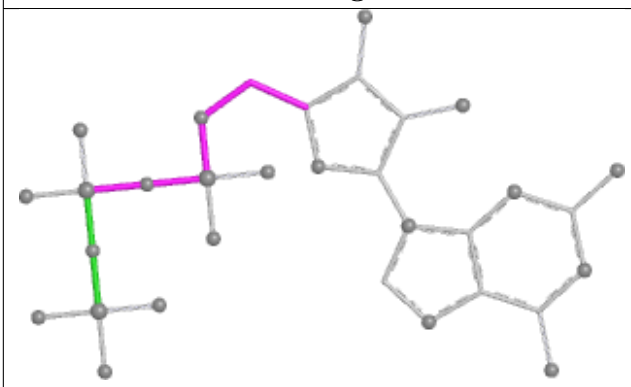
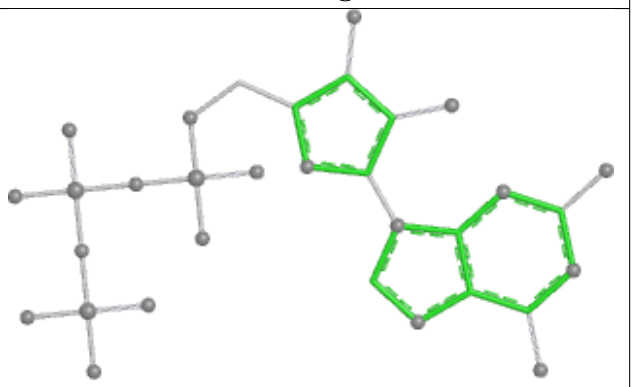
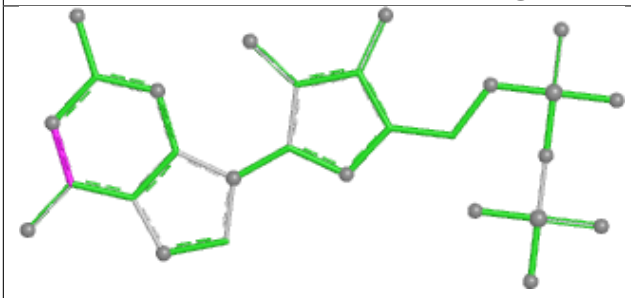
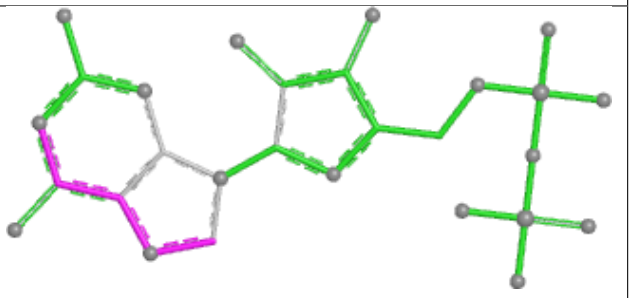
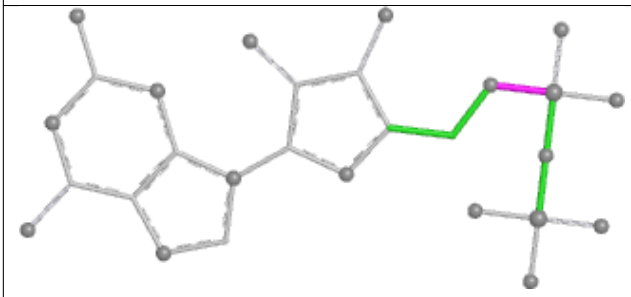
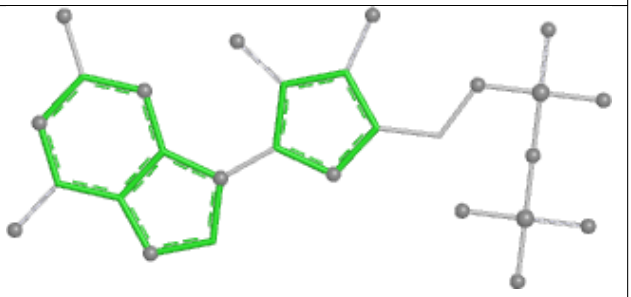
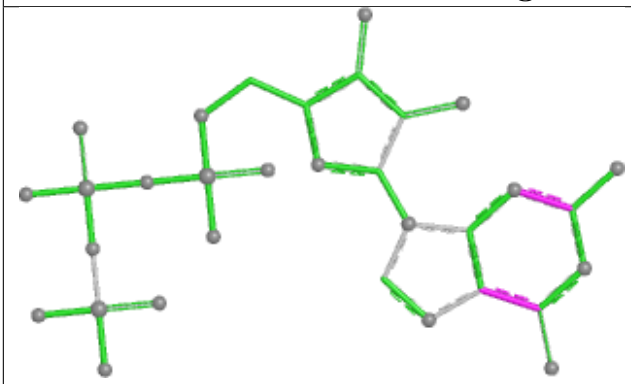
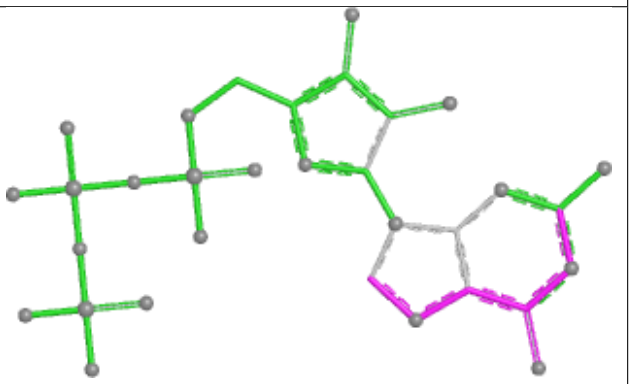
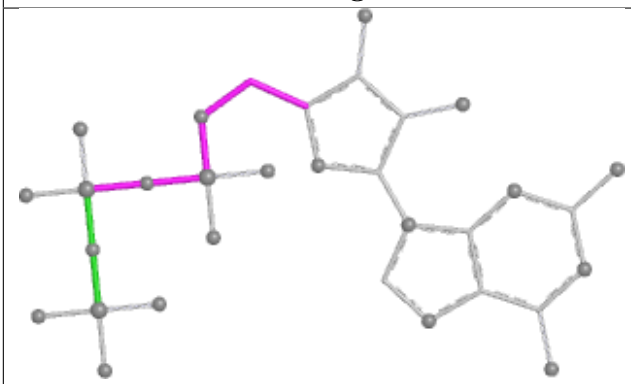
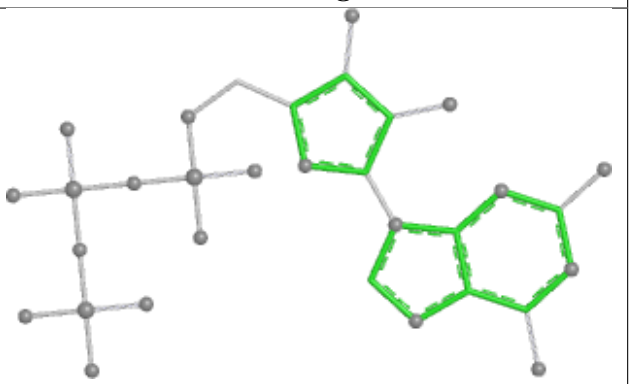


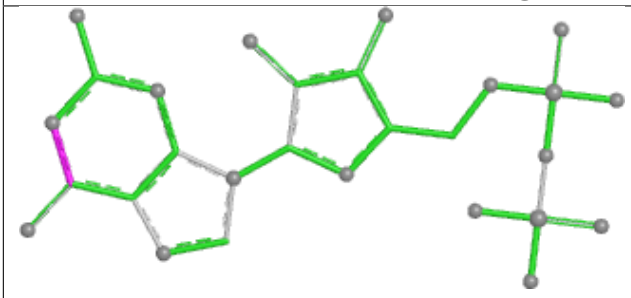
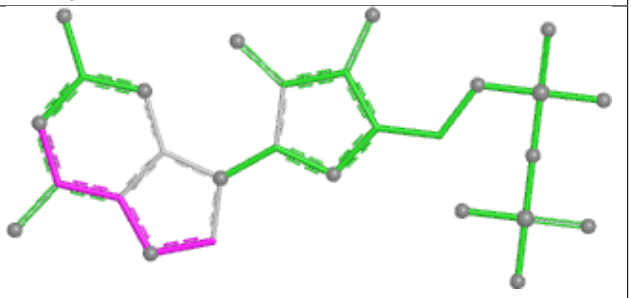
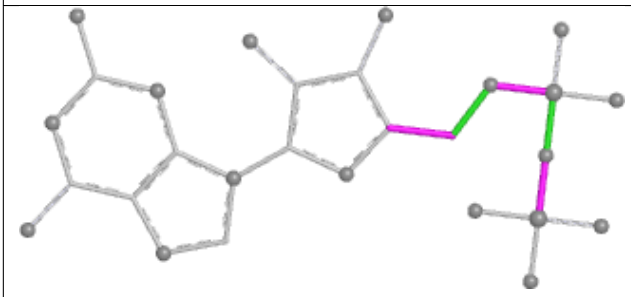
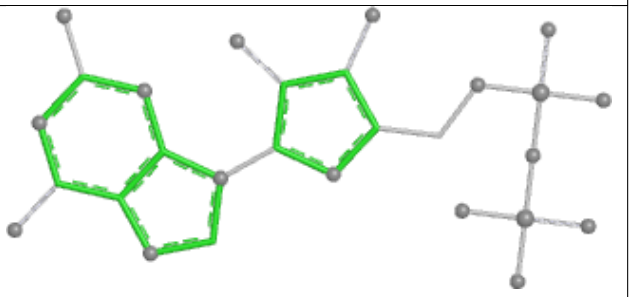
Torsions

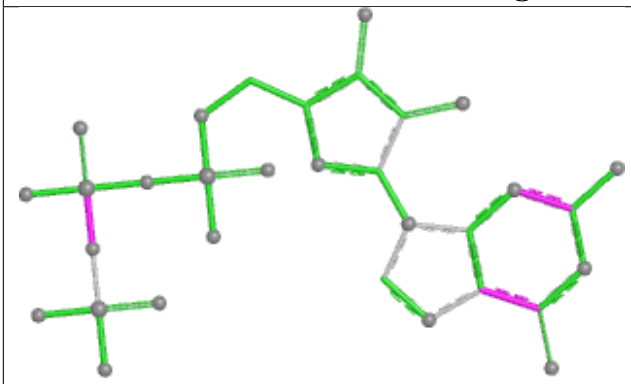
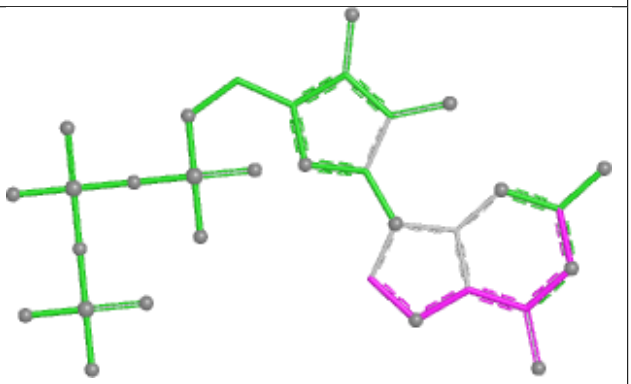
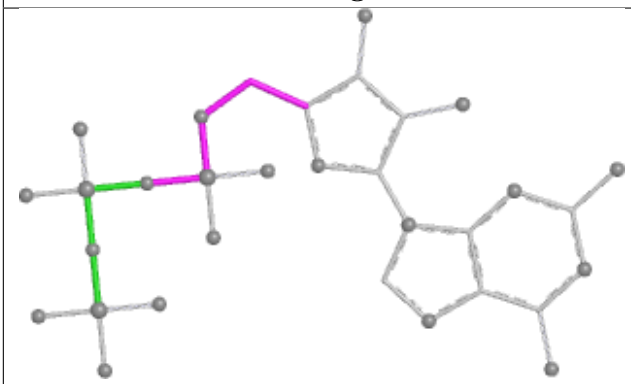
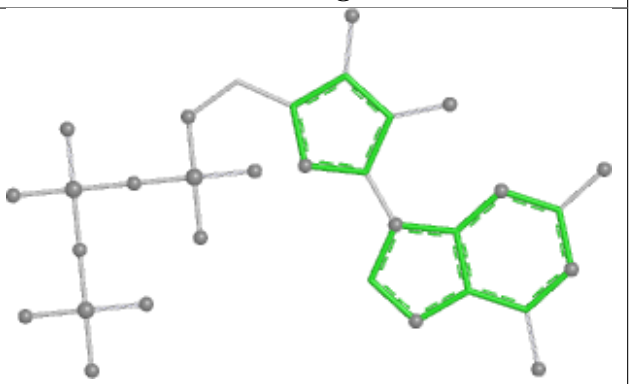


Rings

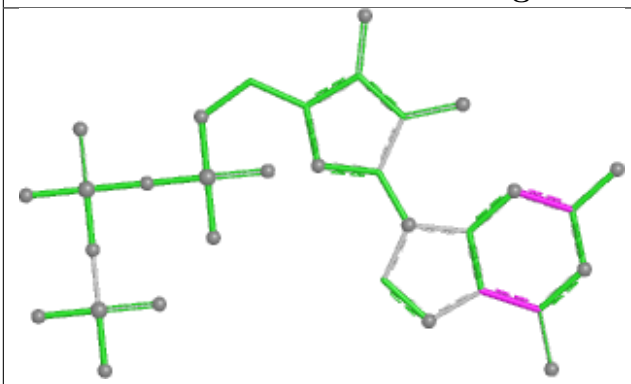
Ligand GDP Y4 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP S9 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Bj 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 0R 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP CS 501



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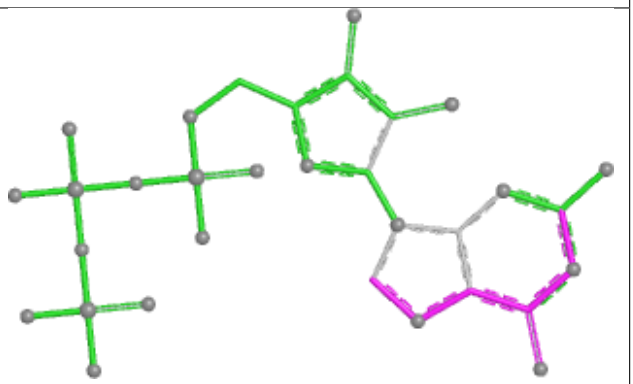

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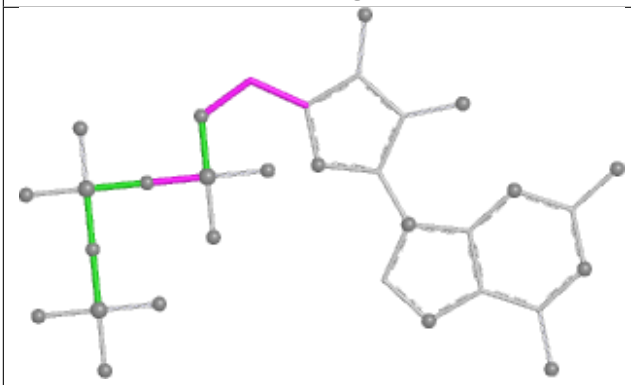

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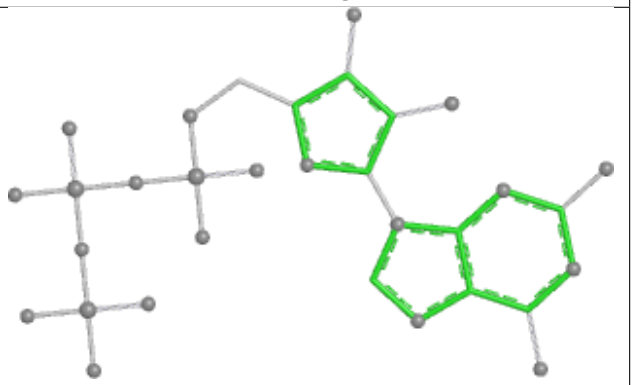
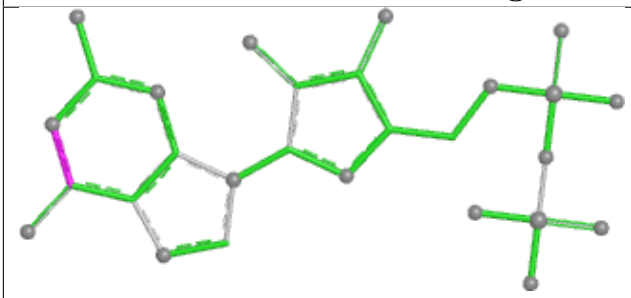


Rings

Ligand GDP W6 501



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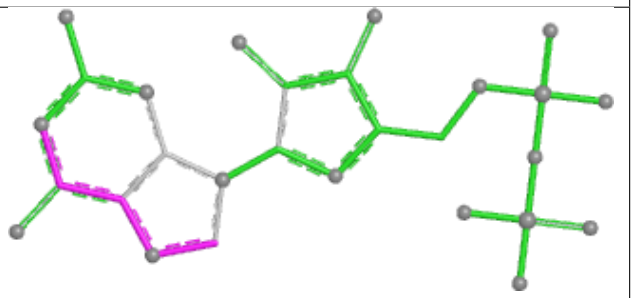

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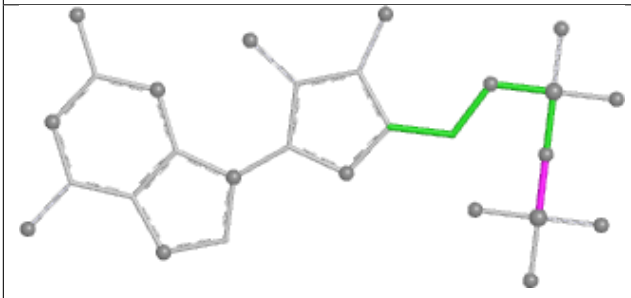

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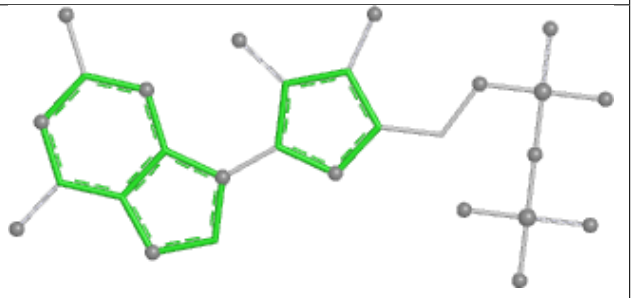
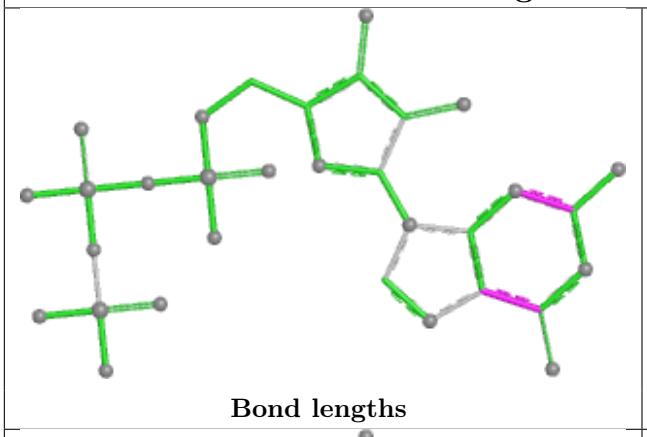


Rings

Ligand GTP T6 501



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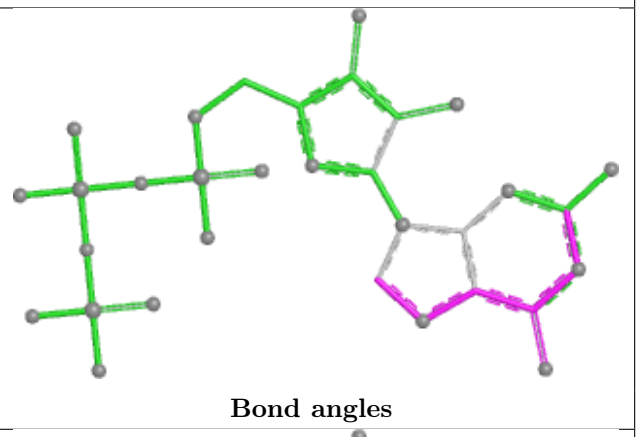

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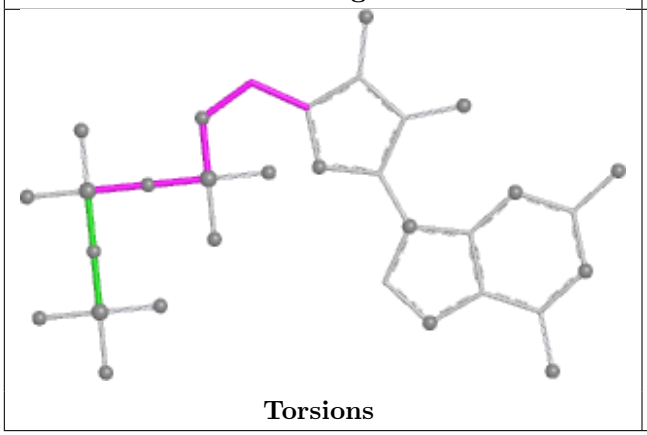

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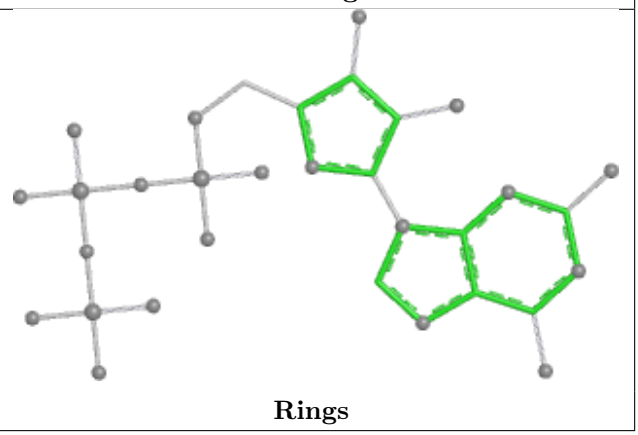
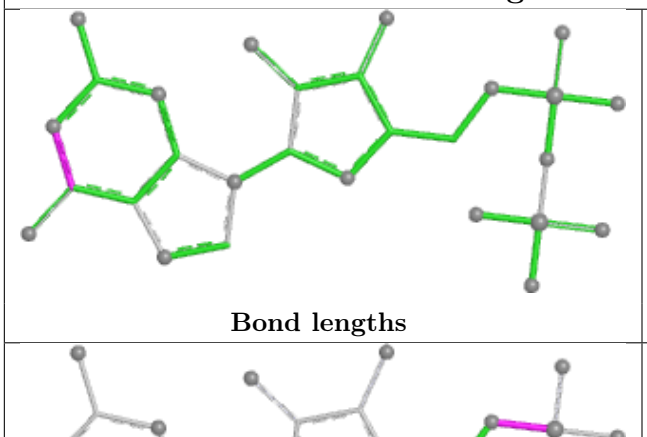


Rings

Ligand GDP Dm 502



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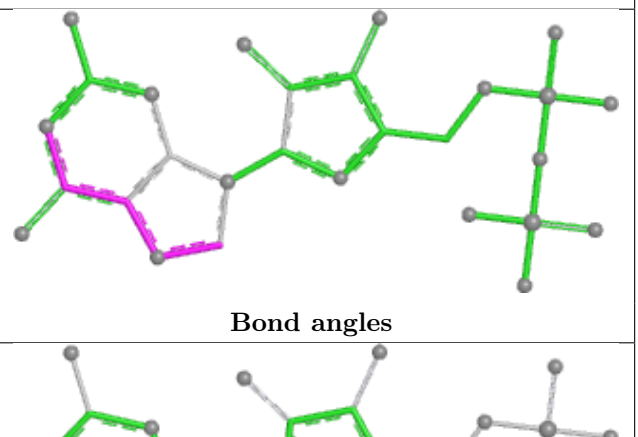

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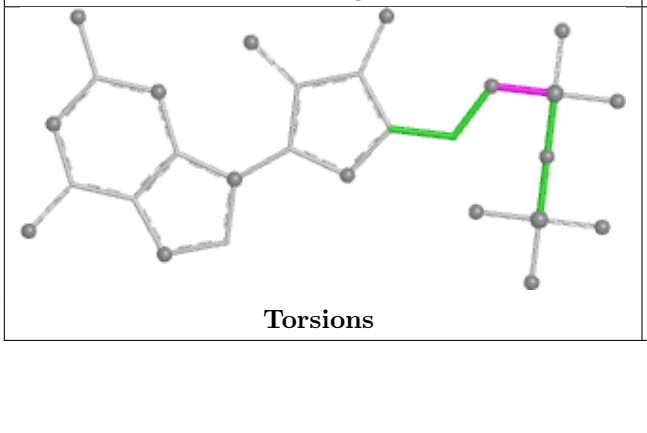

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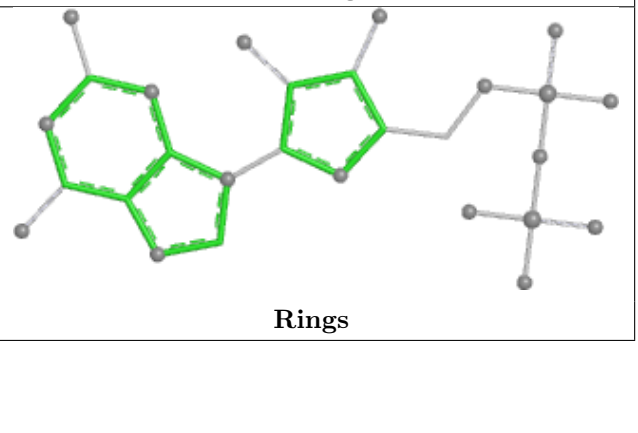
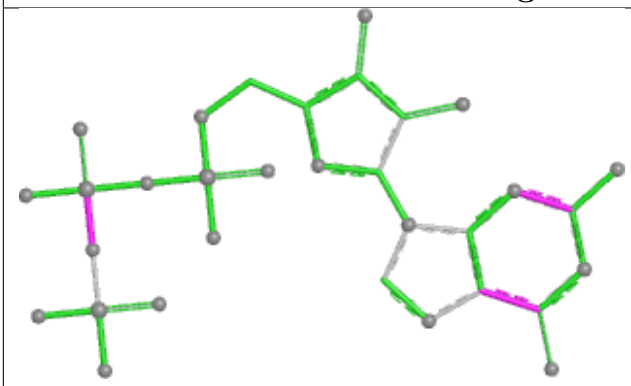


Rings

Ligand GTP J2 501



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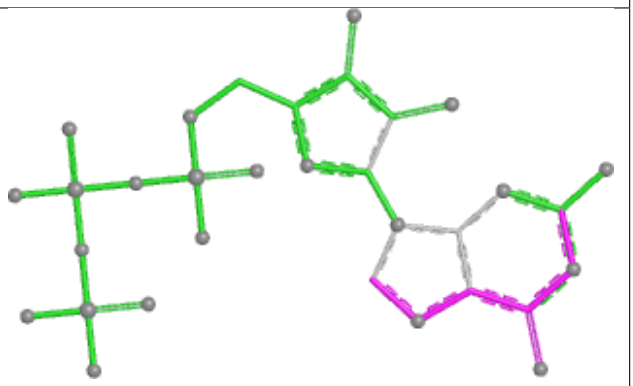

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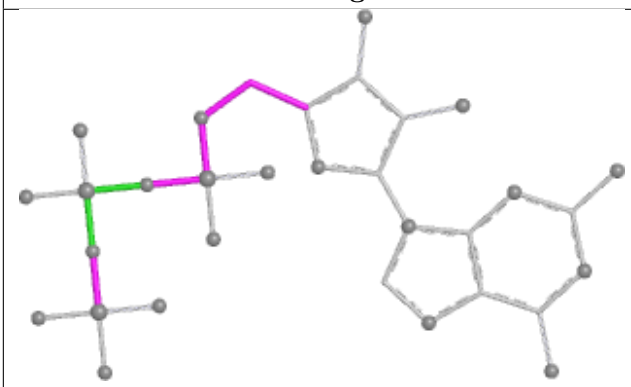

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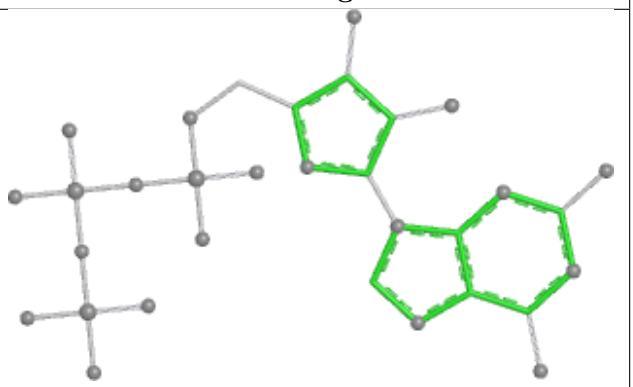
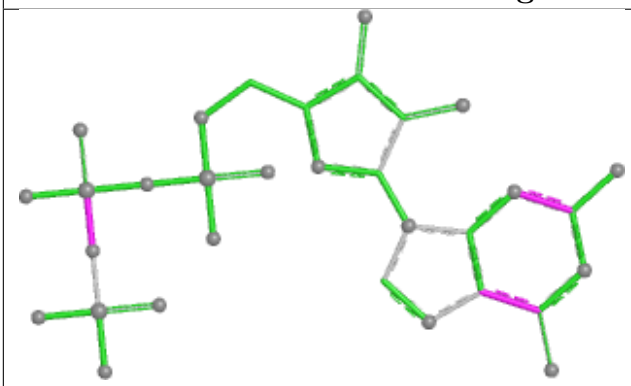


Rings

Ligand GTP S8 501



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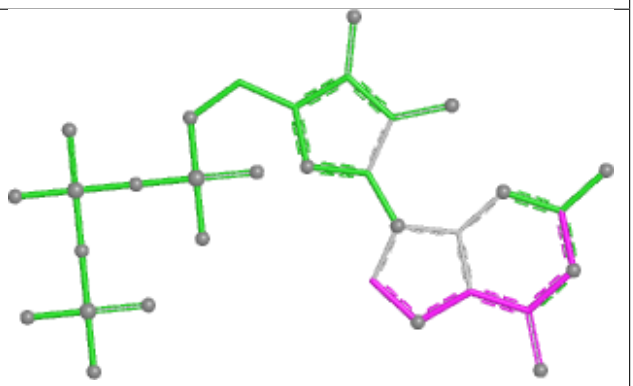

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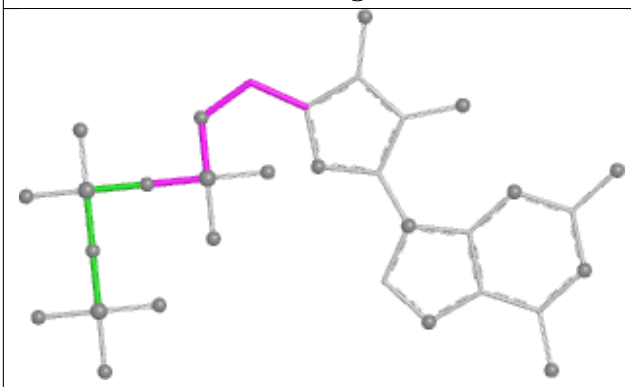

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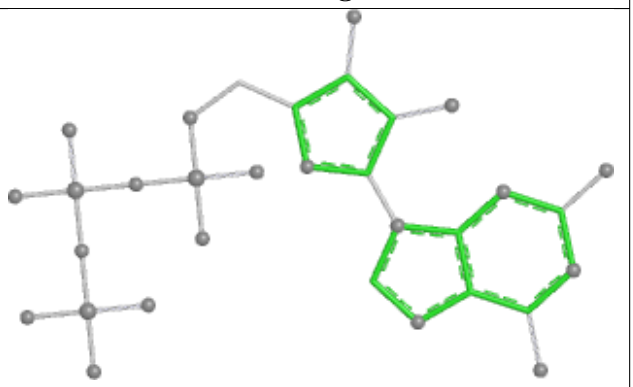
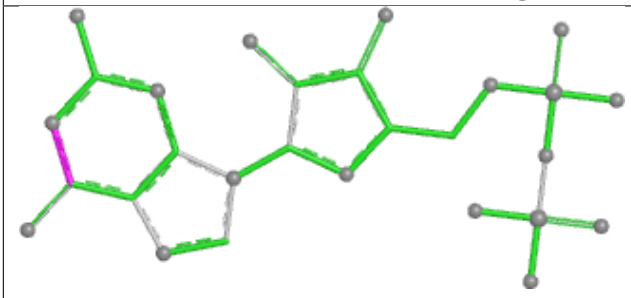
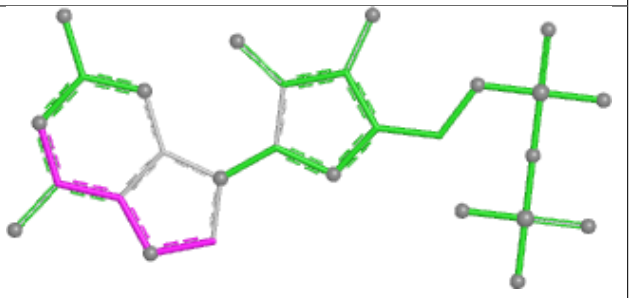
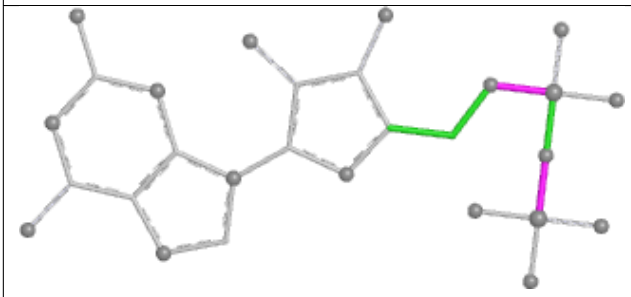
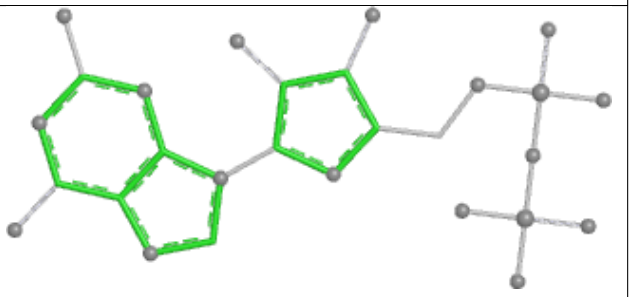
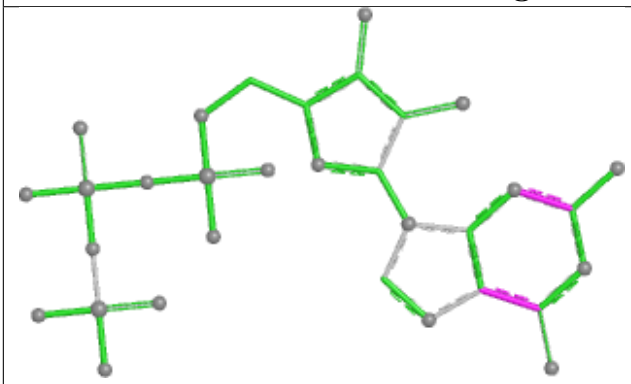
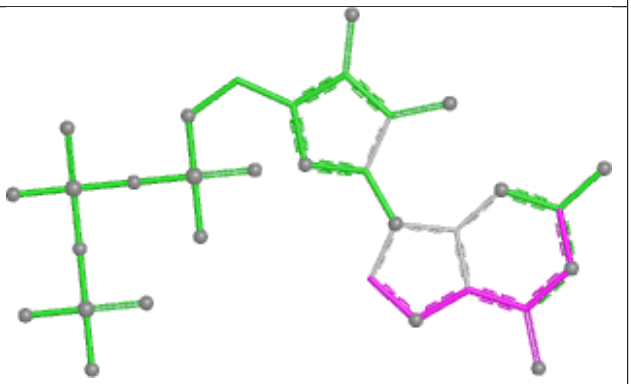
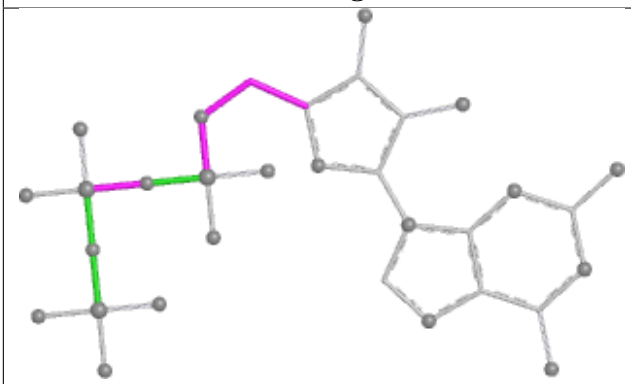
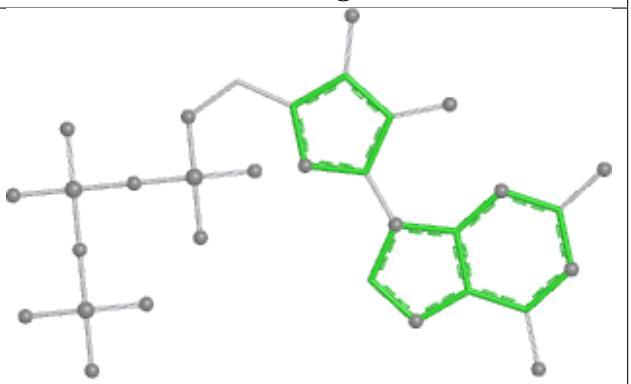
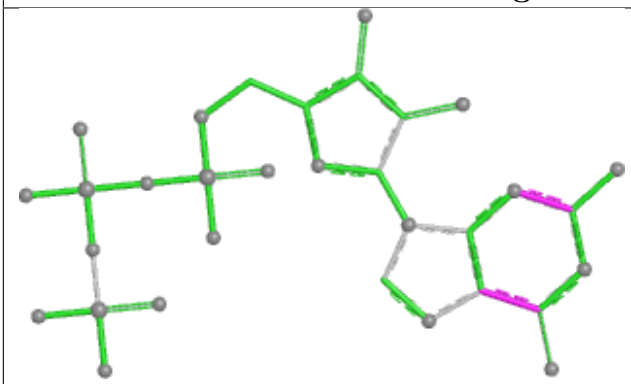


Rings

Ligand GDP 2E 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP EL 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP JX 501



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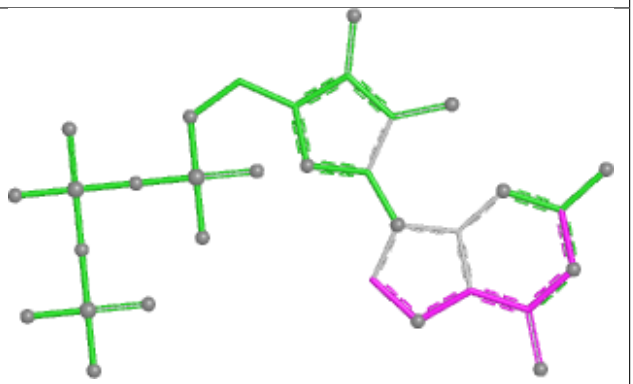
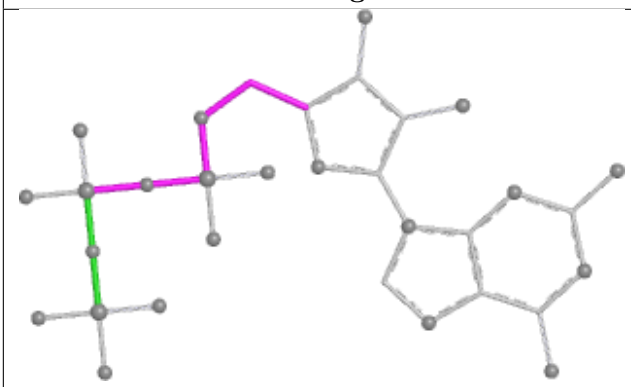
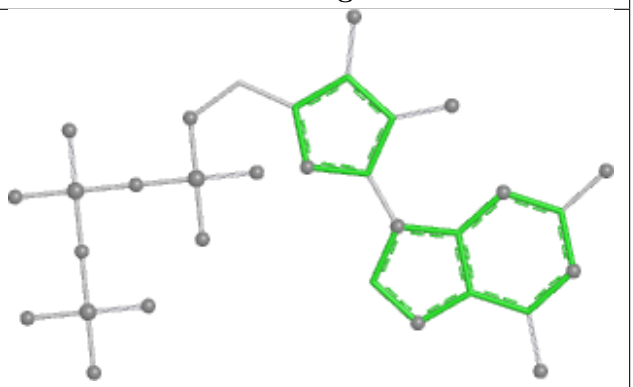


Bond angles

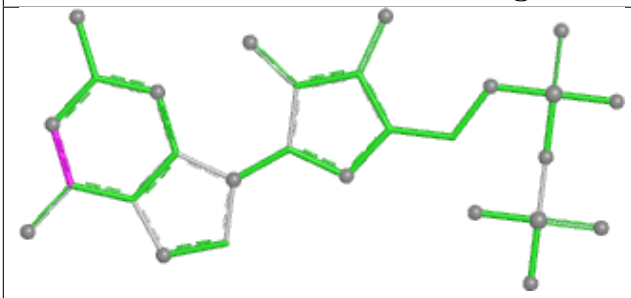


Torsions

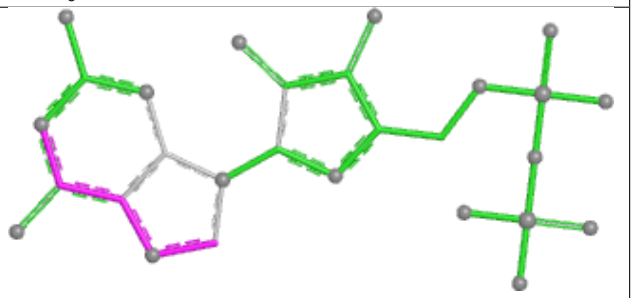


Rings

Ligand GDP By 503



Bond lengths



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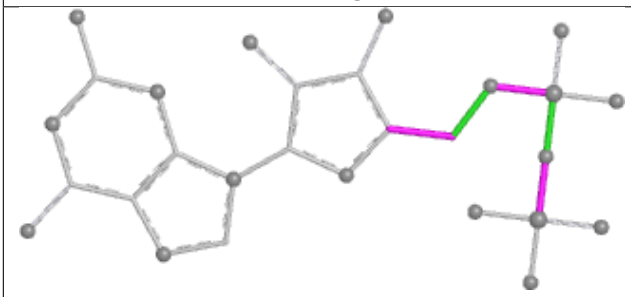
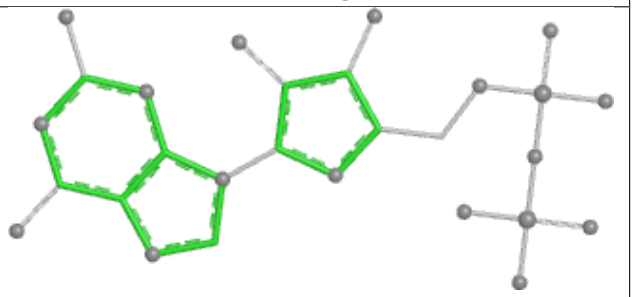
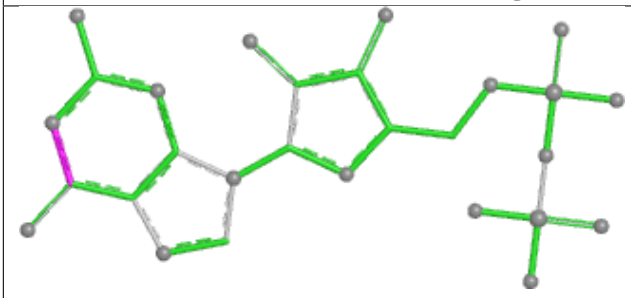
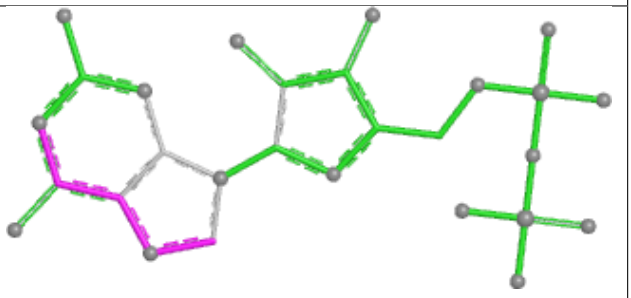
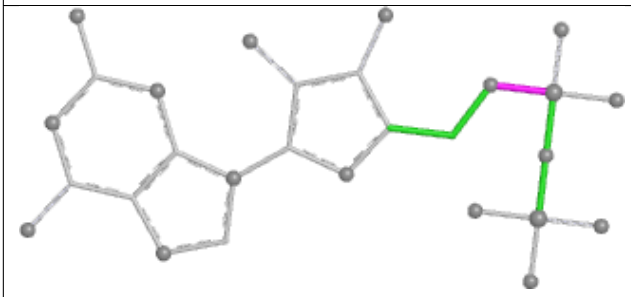
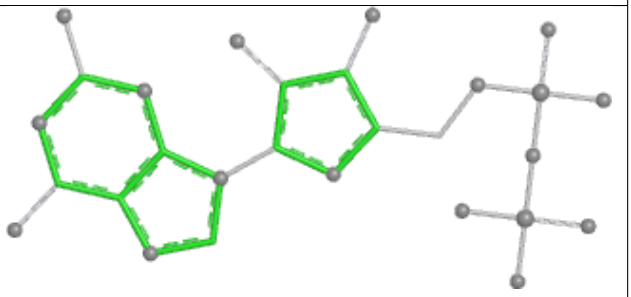
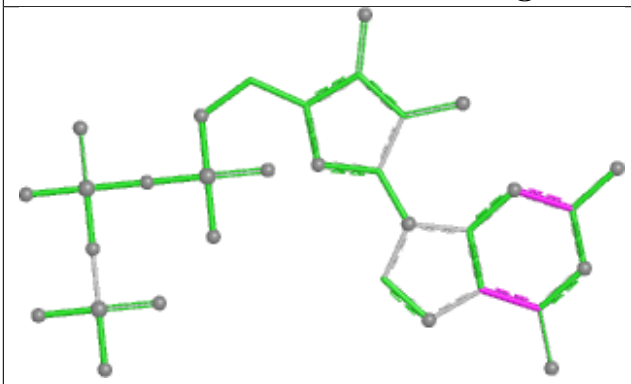
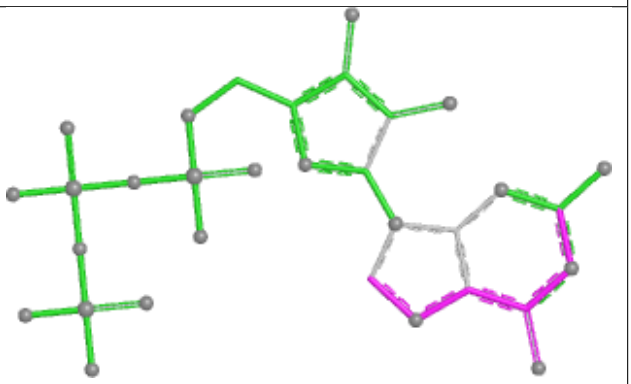
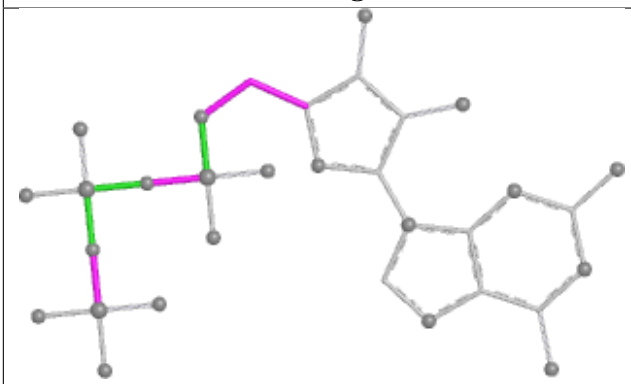
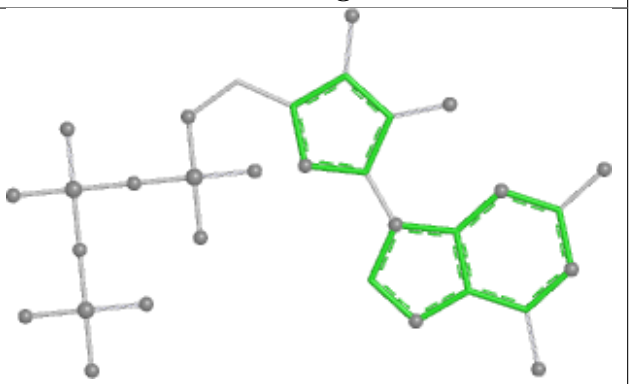


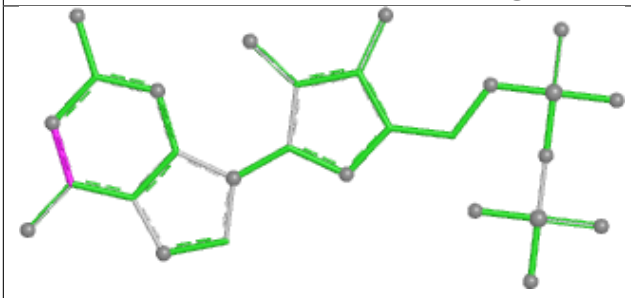
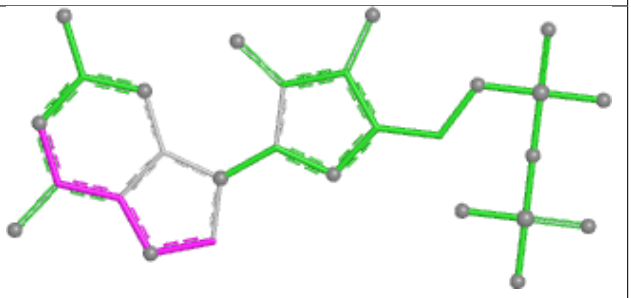
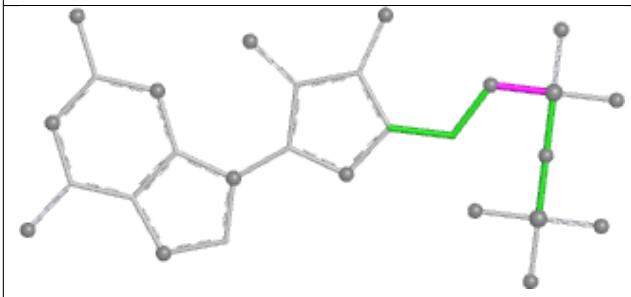
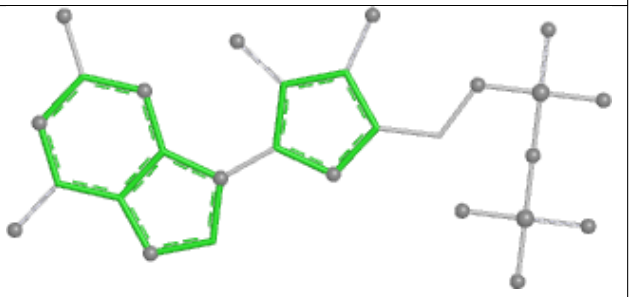
Torsions

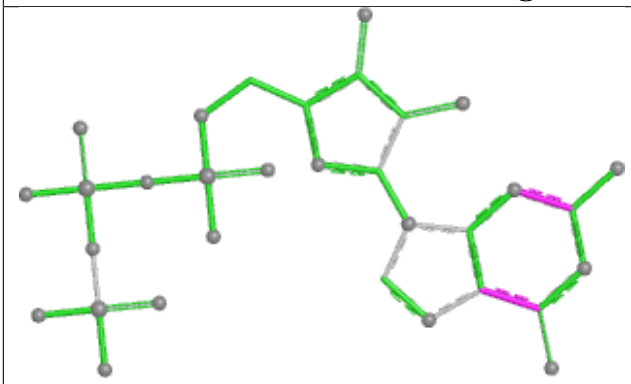
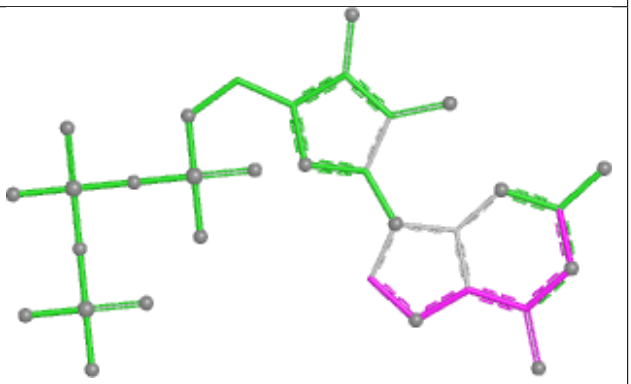
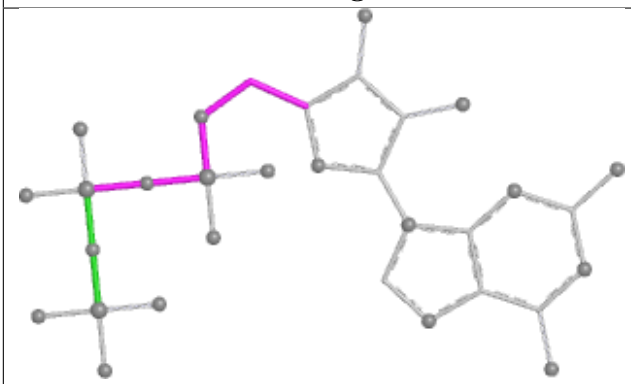
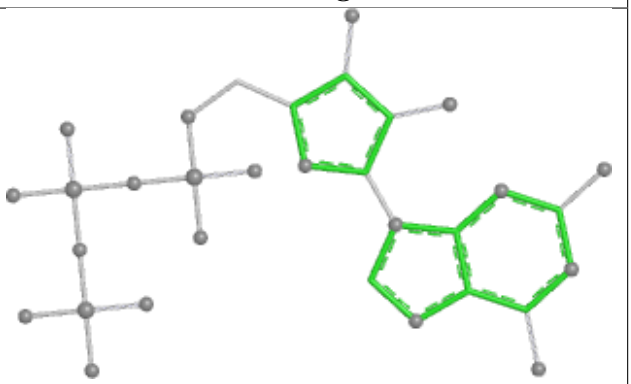


Rings

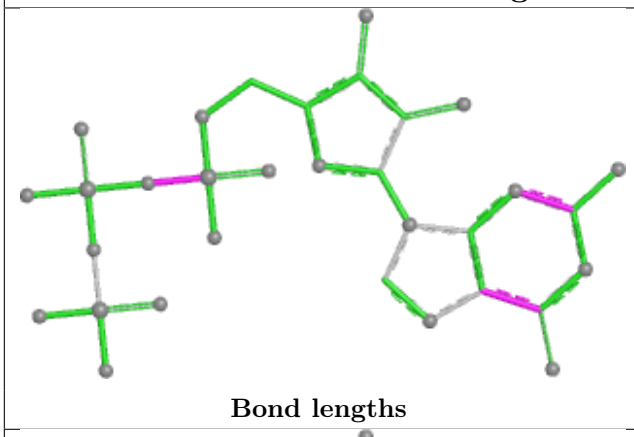
Ligand GDP M8 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 2L 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP M0 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP J8 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP 0M 501



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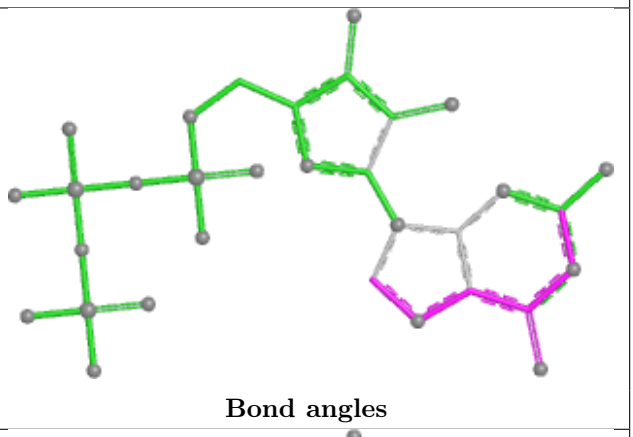

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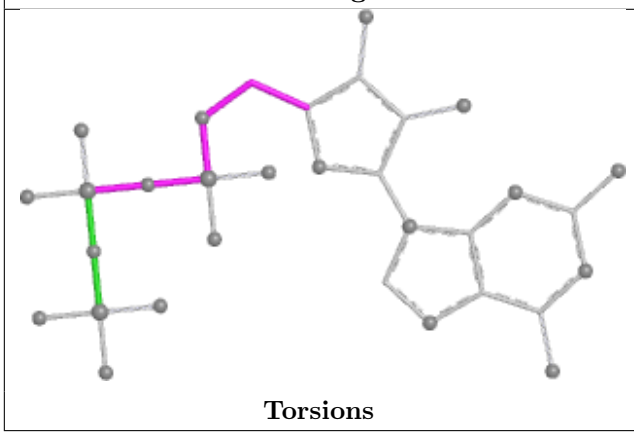

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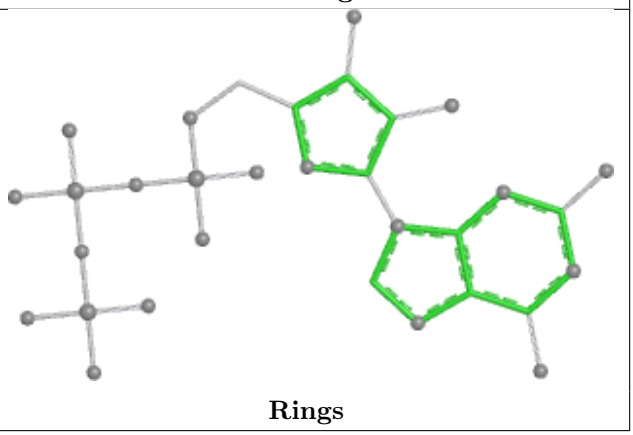
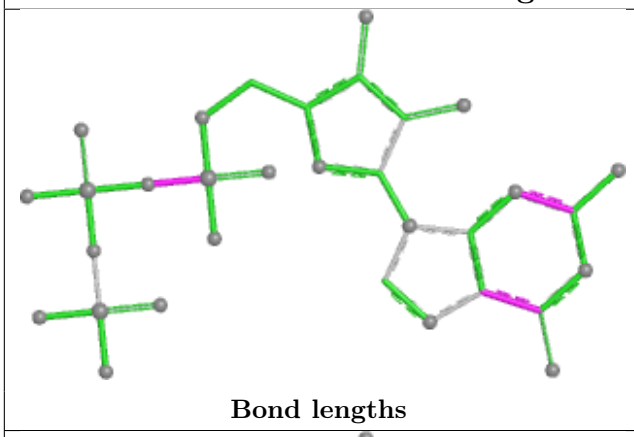


Rings

Ligand GTP Nf 501



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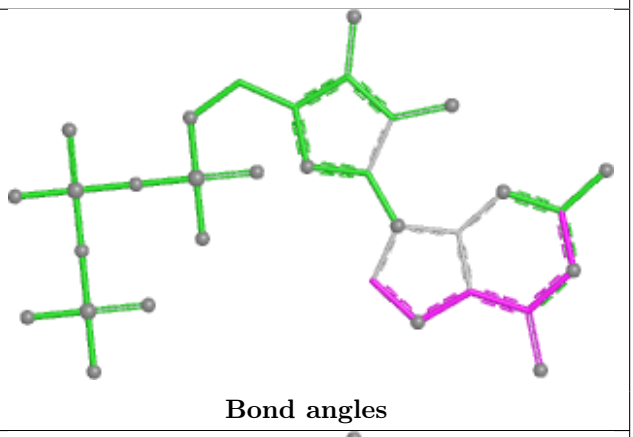

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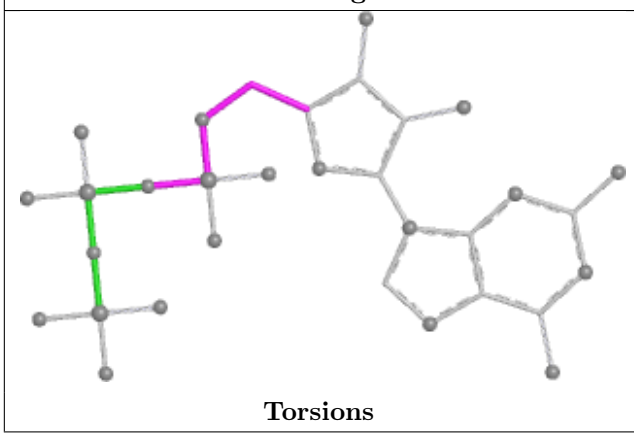

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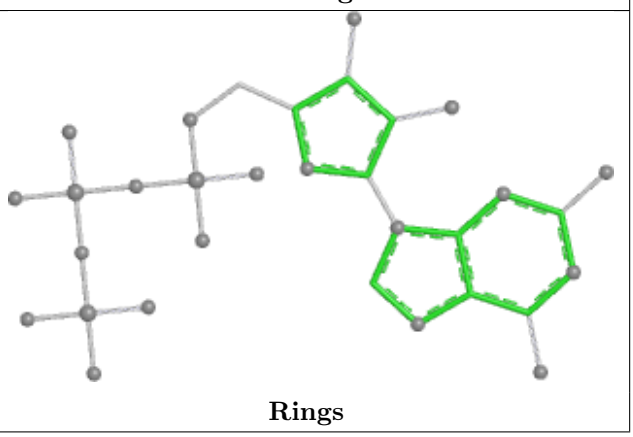
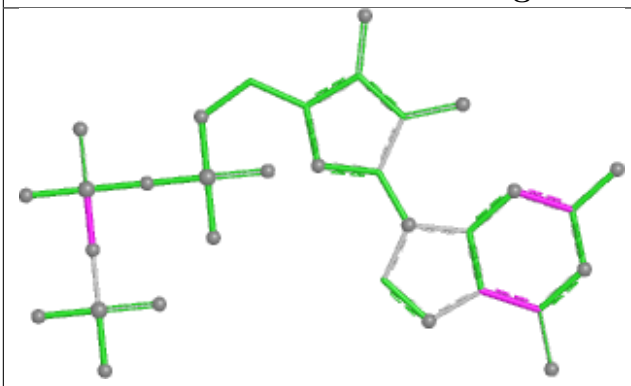


Rings

Ligand GTP R0 501



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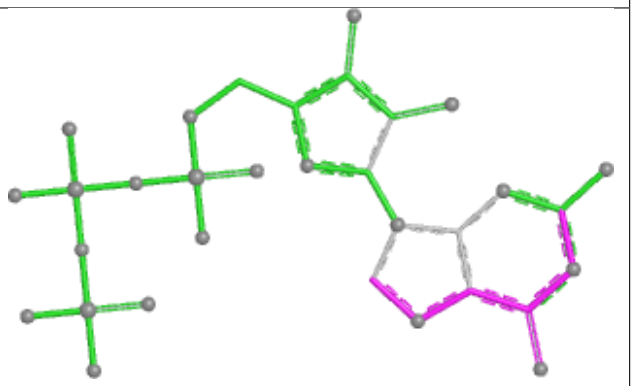

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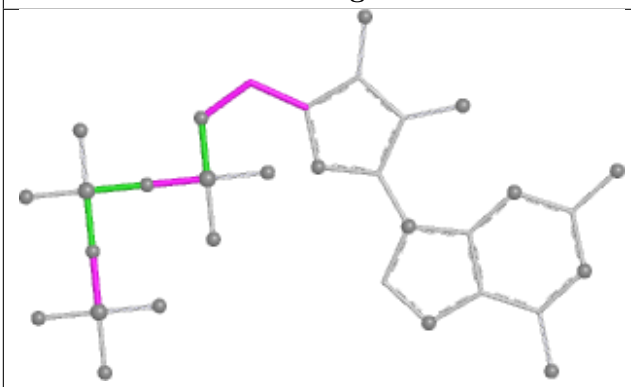

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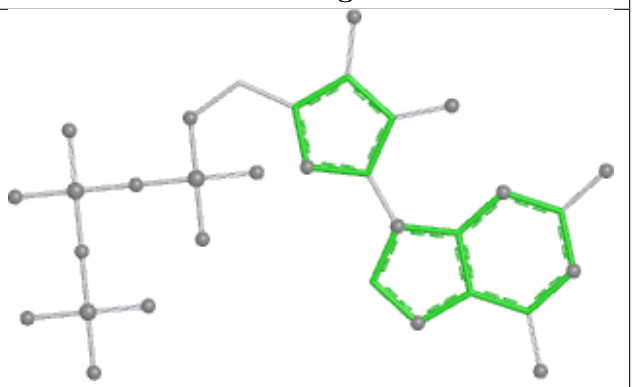

Rings

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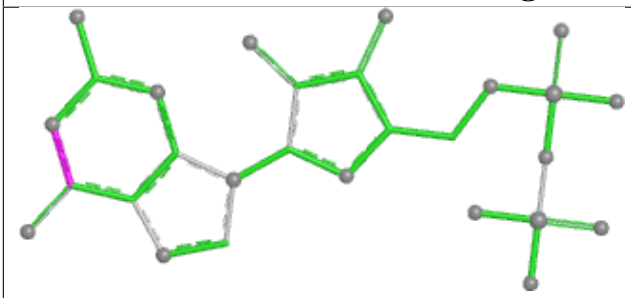

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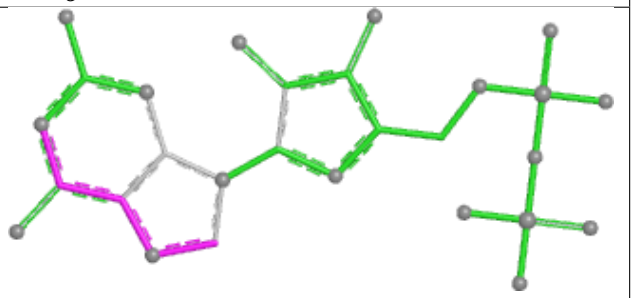

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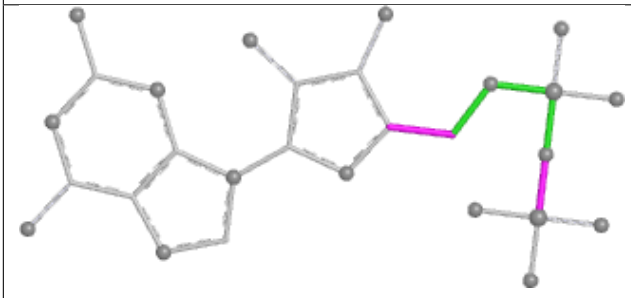

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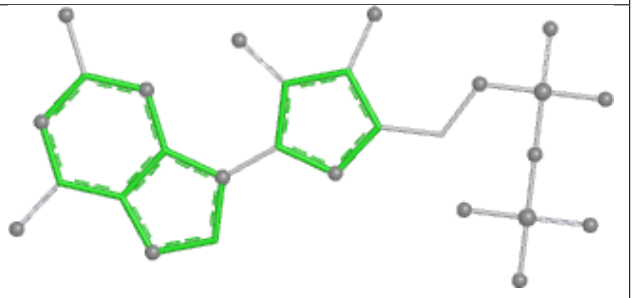
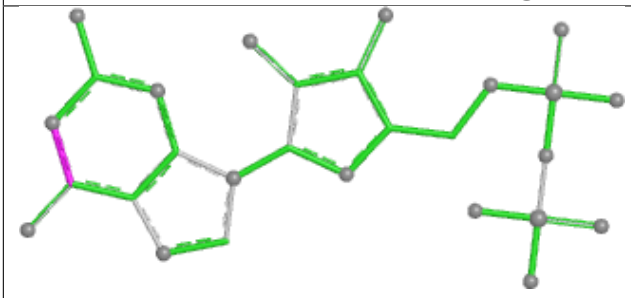
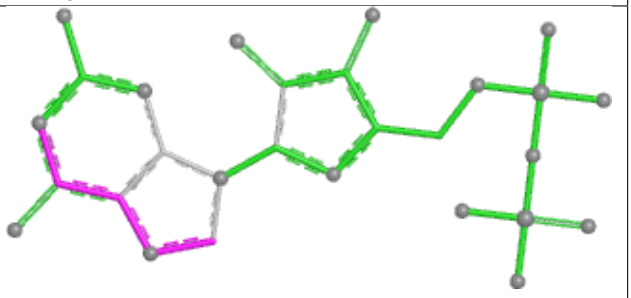
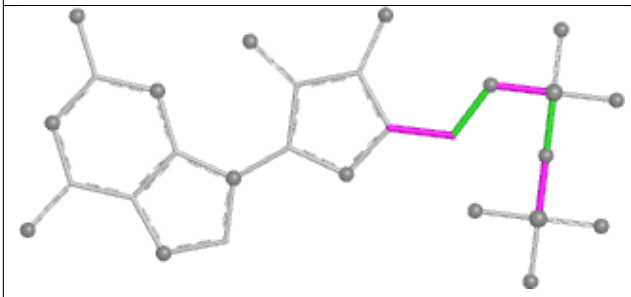
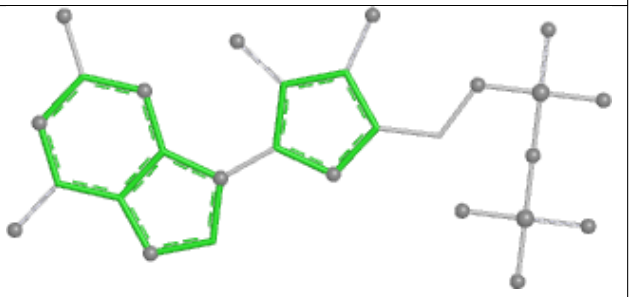
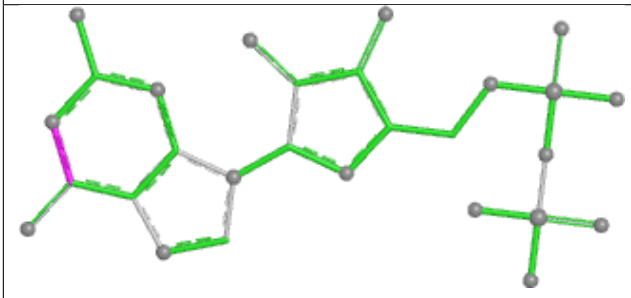
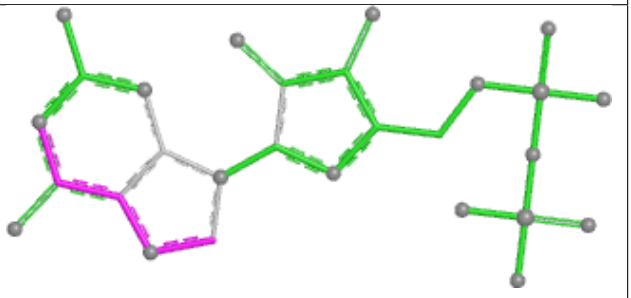
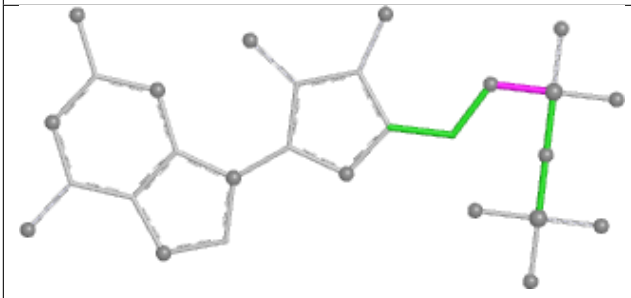
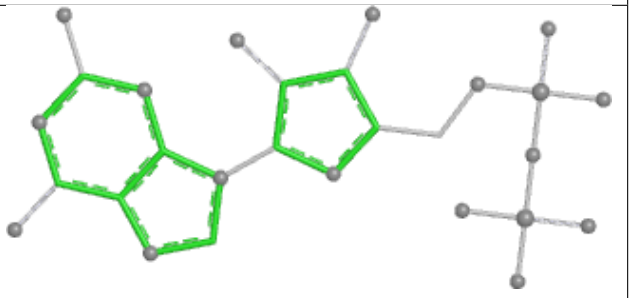
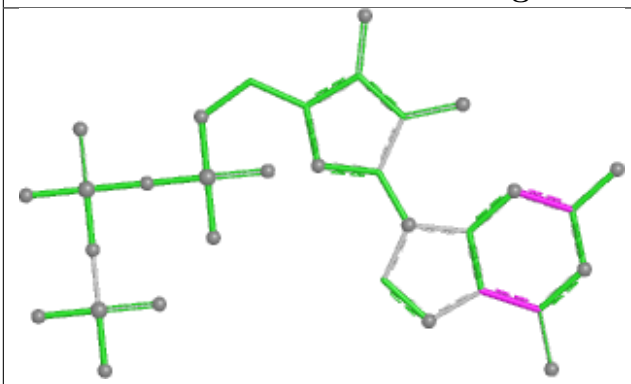


Rings

Ligand GDP Lj 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP N8 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Kx 501



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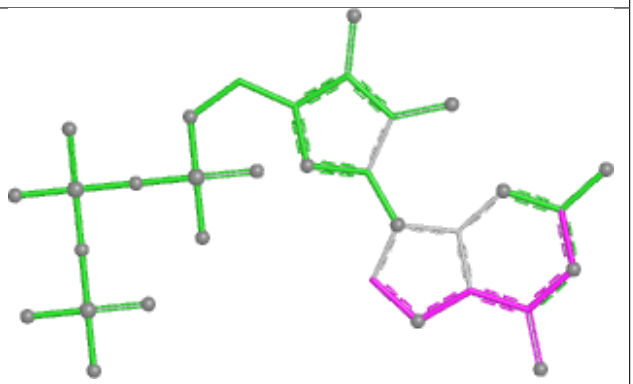
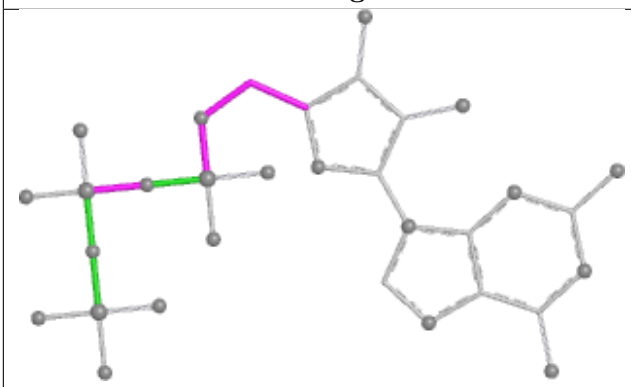
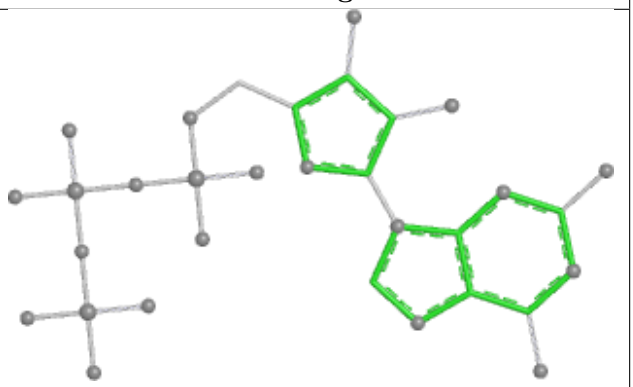


Bond angles

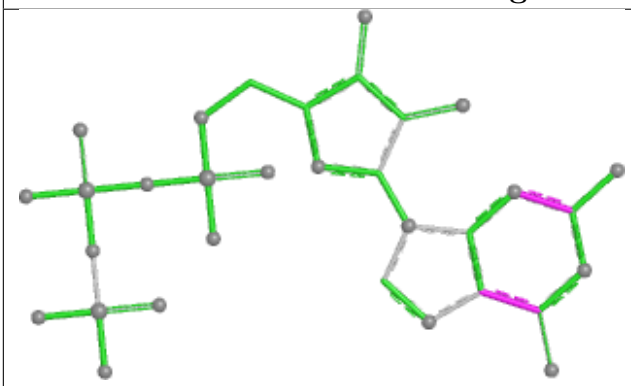


Torsions



Rings

Ligand GTP M7 501



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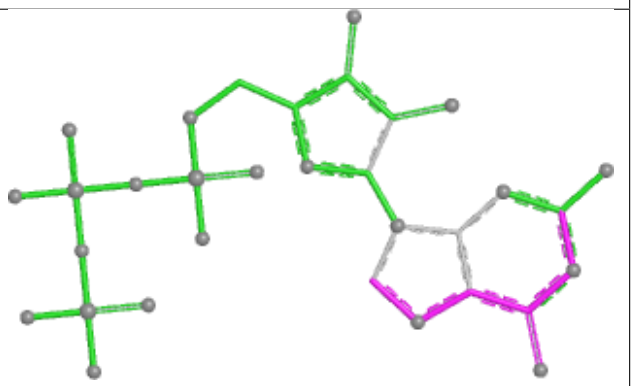
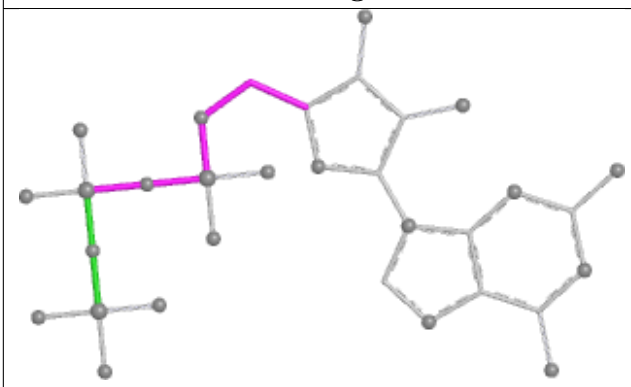


Bond angles



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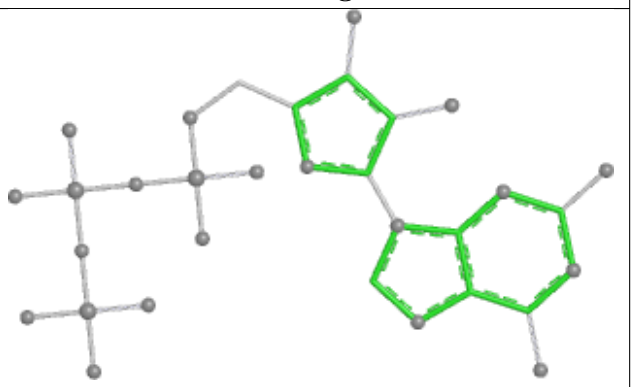
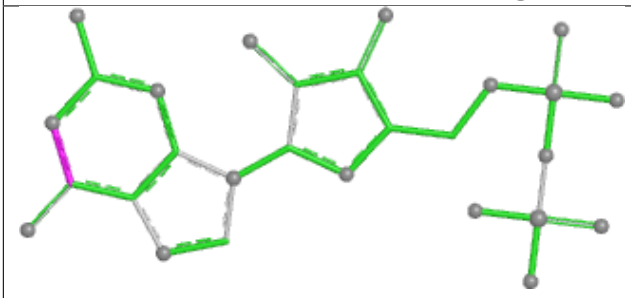
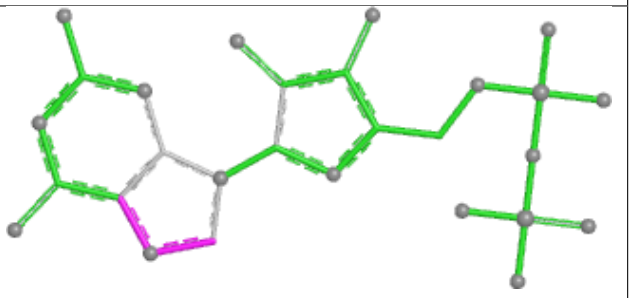
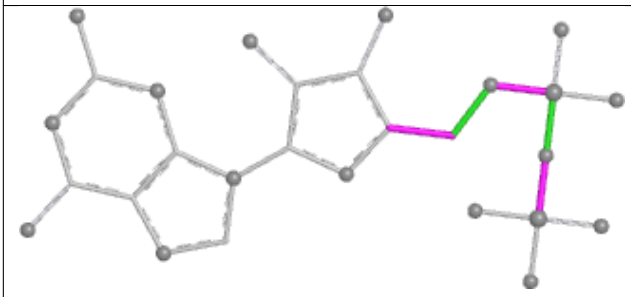
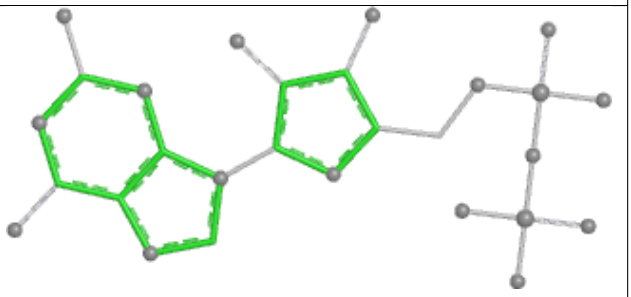
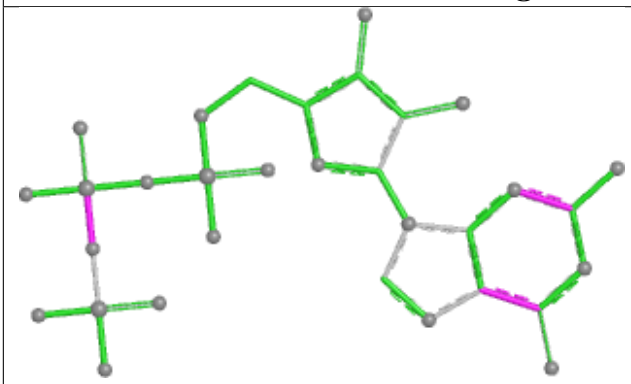
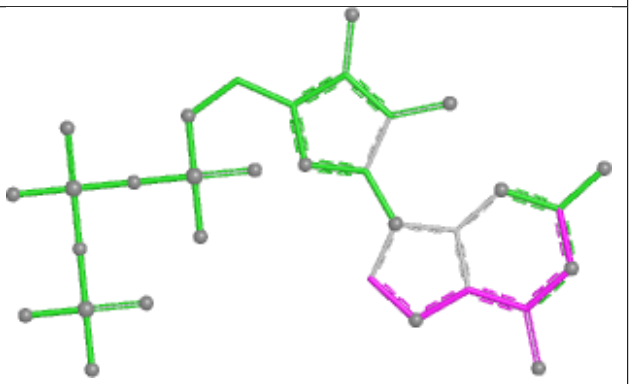


Rings

Ligand GDP V6 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GTP E4 501	
	
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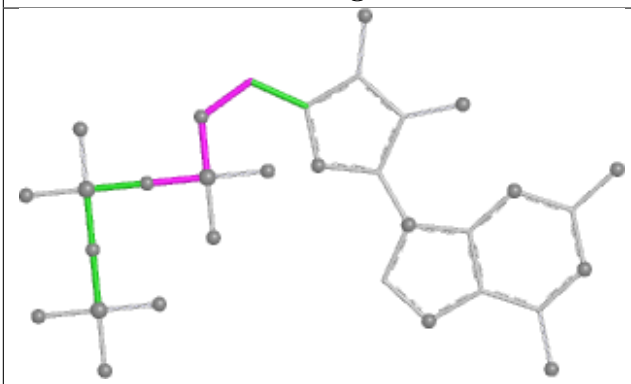
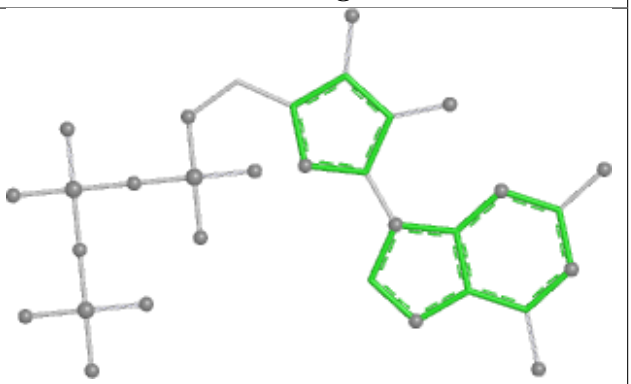
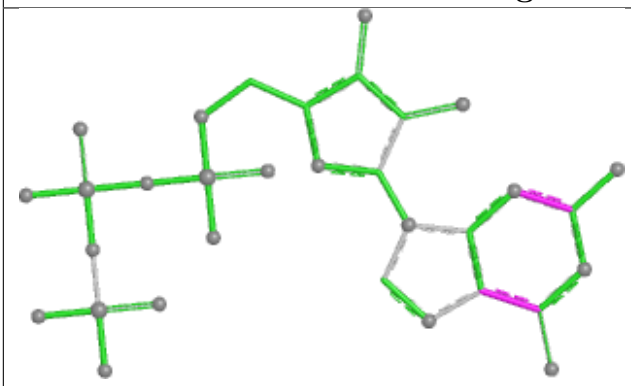
	
Torsions	Rings

Ligand GTP CI 501



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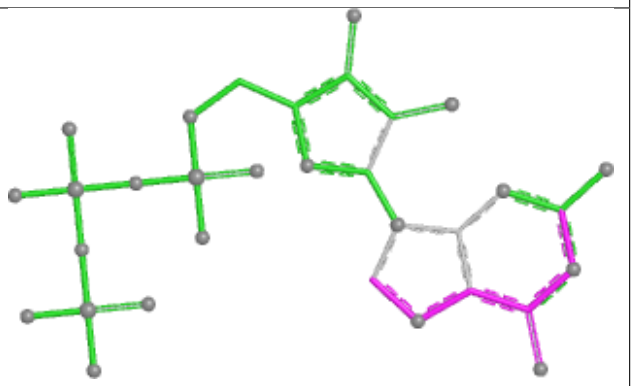

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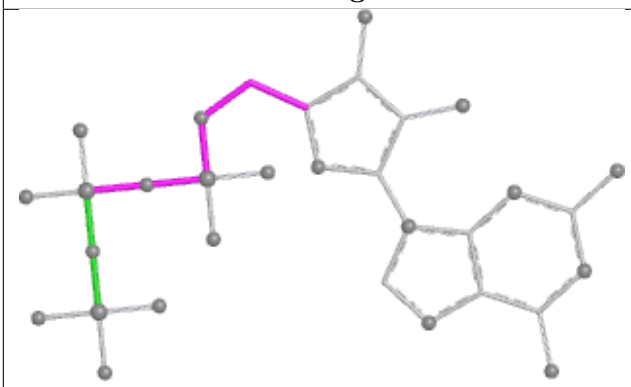

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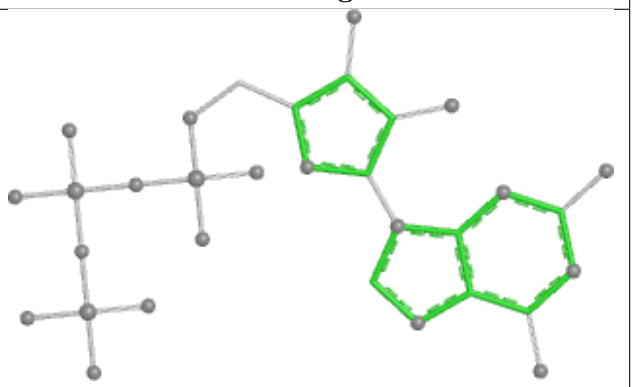
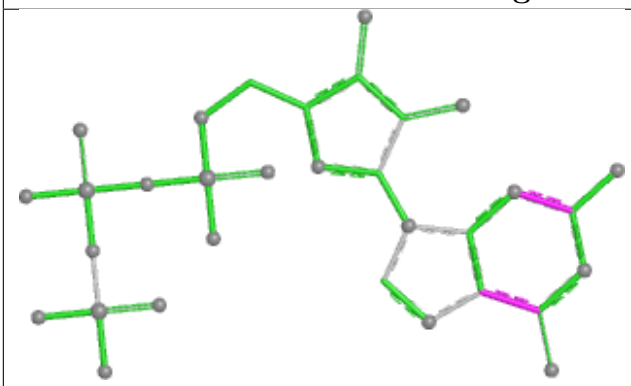


Rings

Ligand GTP Y0 501



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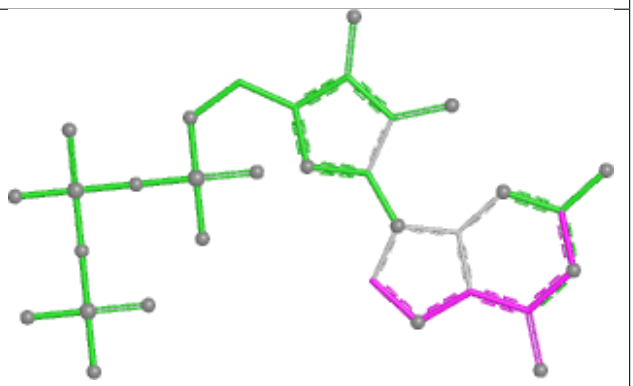

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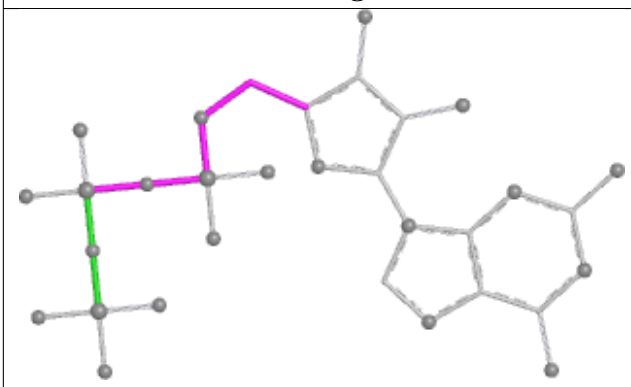

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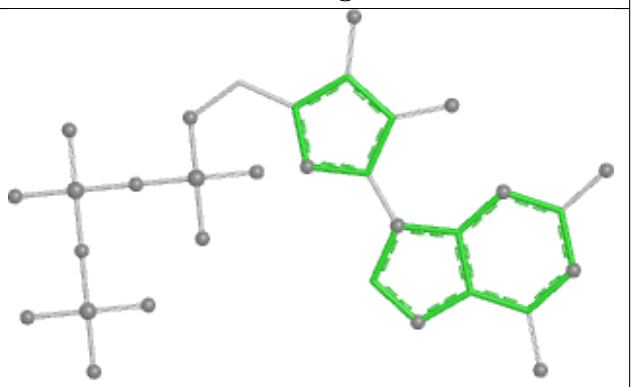

Rings

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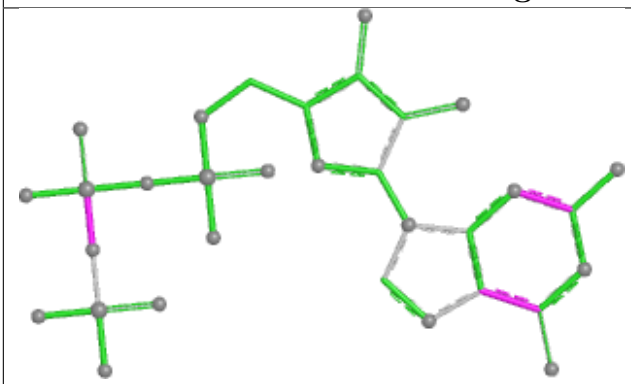

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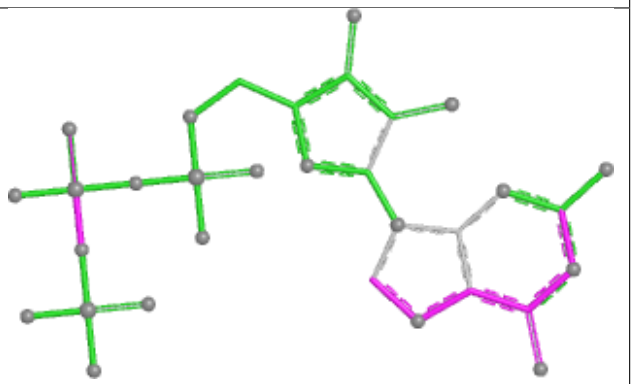

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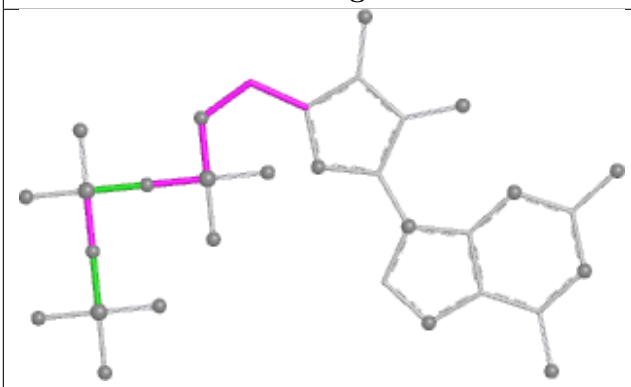

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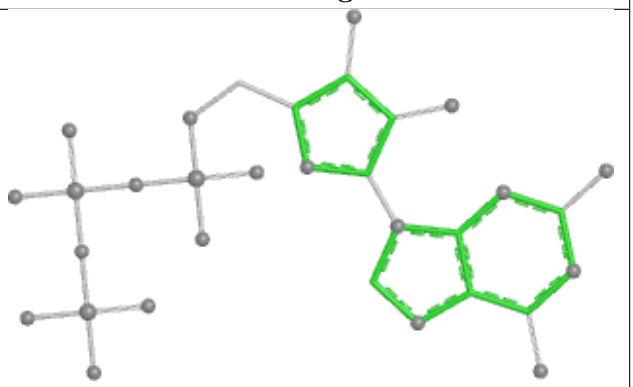
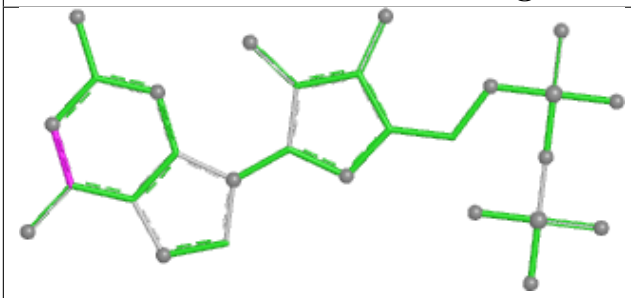


Rings

Ligand GDP J8 503



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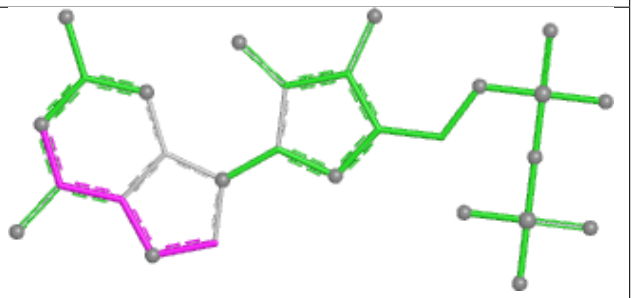

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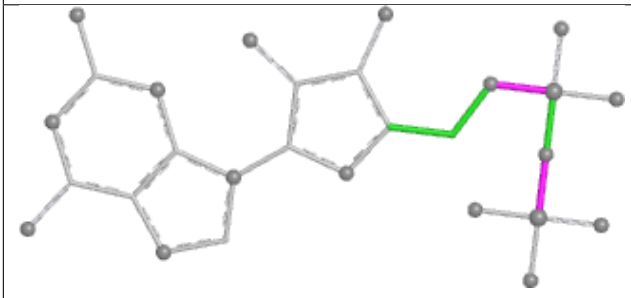

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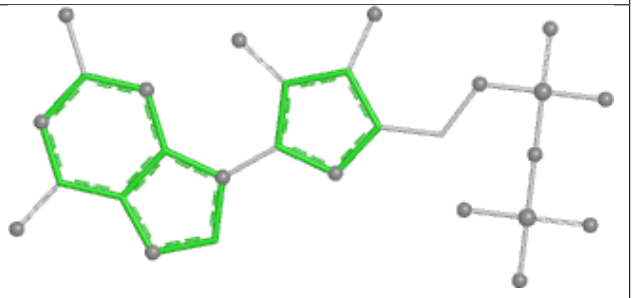
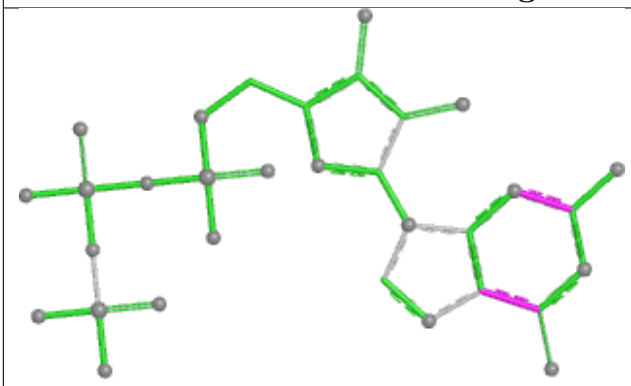


Rings

Ligand GTP Fc 501



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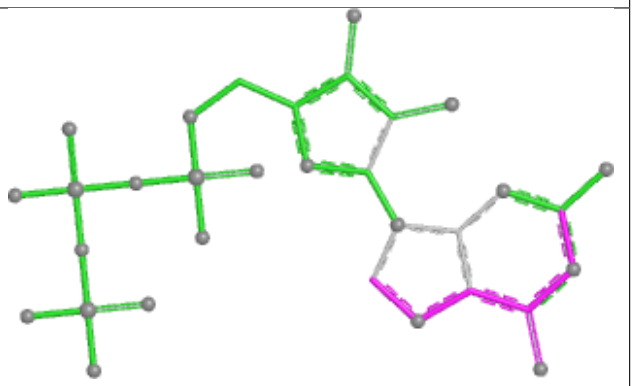

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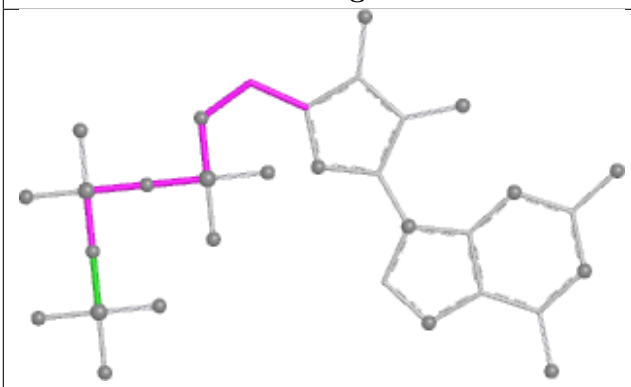

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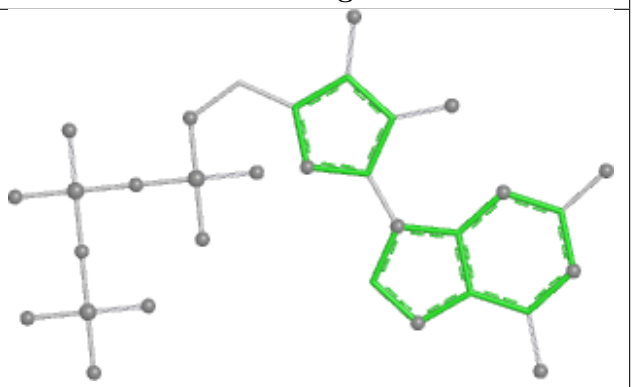
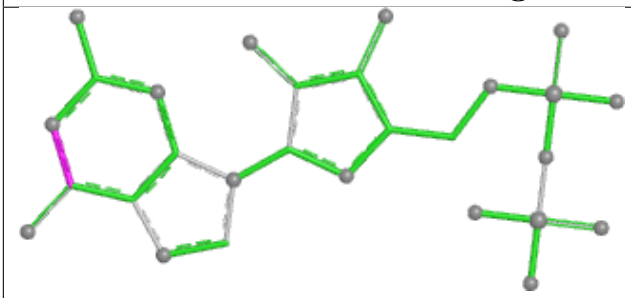


Rings

Ligand GDP FR 501



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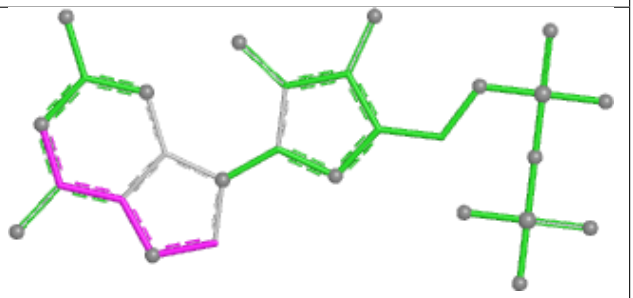

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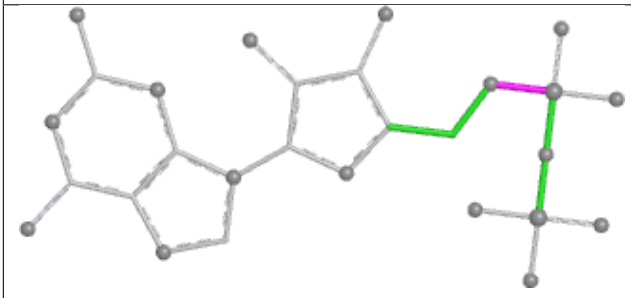

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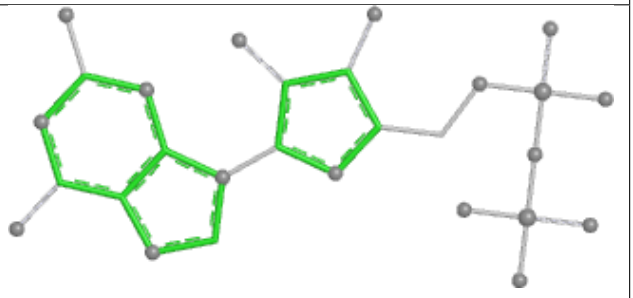
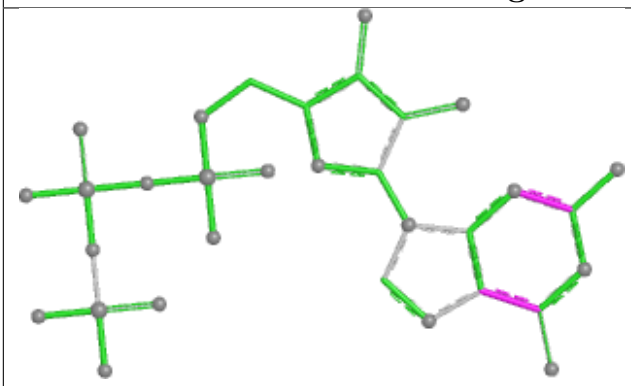


Rings

Ligand GTP KU 501



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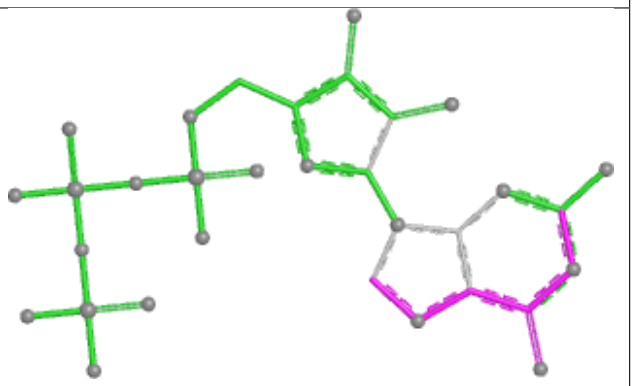

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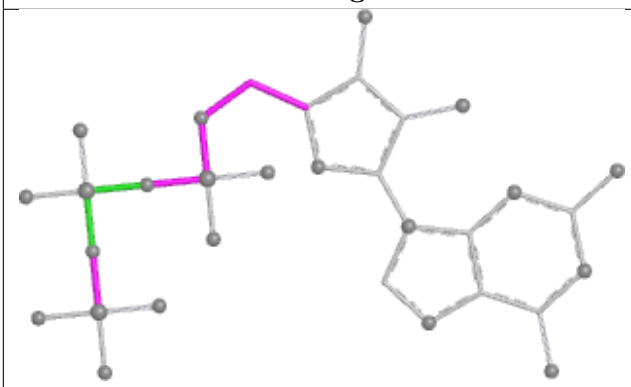

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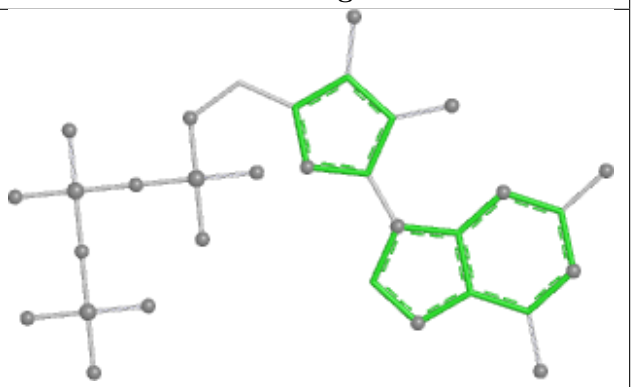
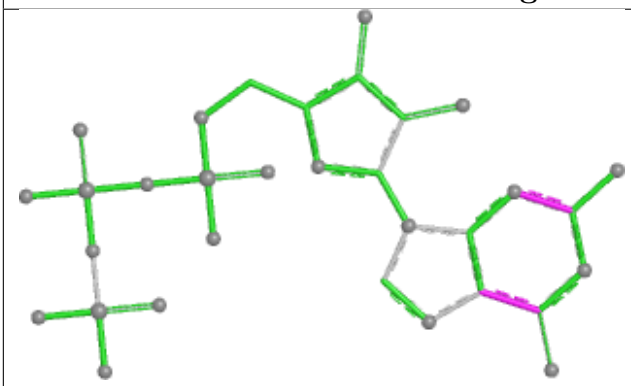


Rings

Ligand GTP 8I 501



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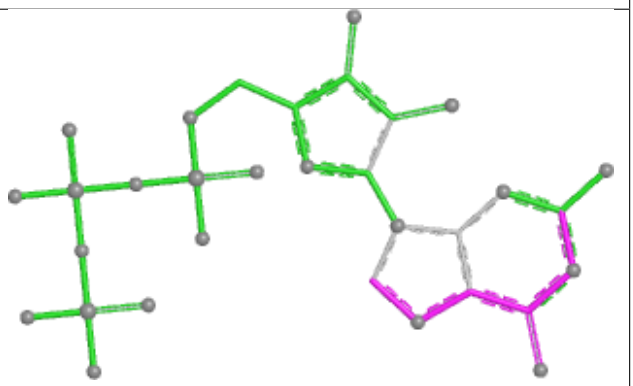

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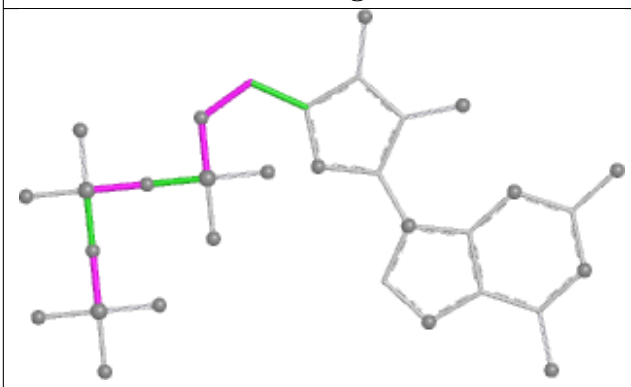

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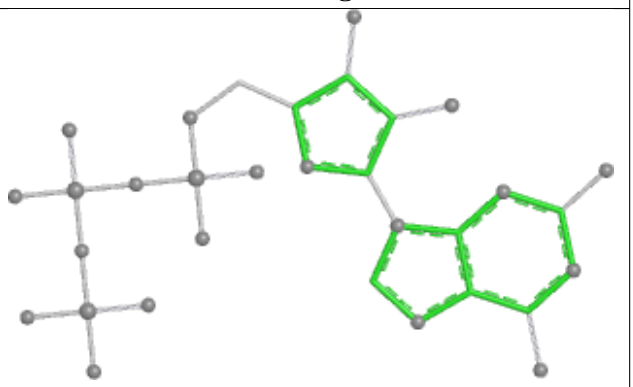
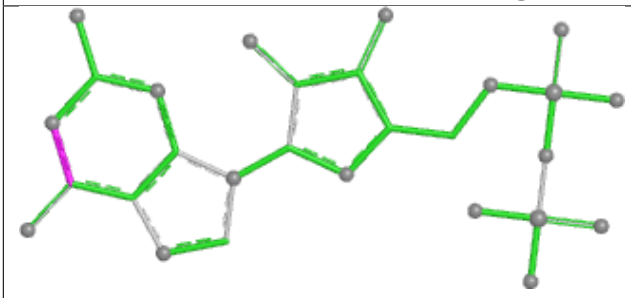
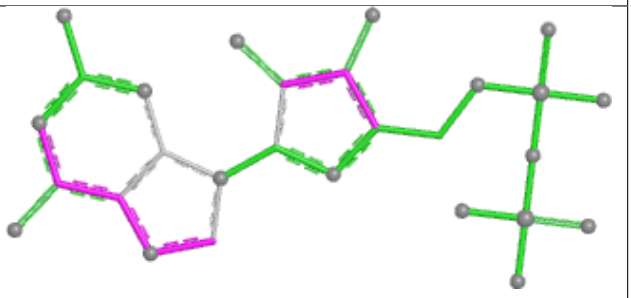
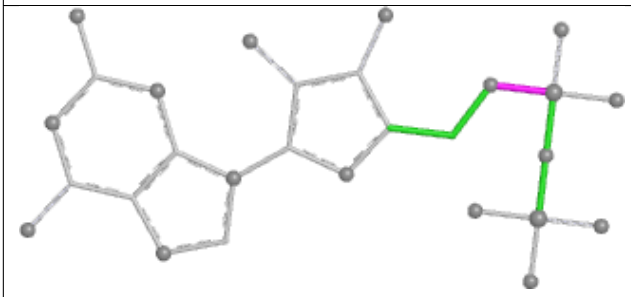
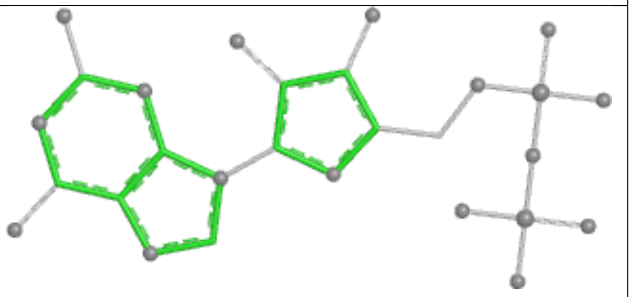
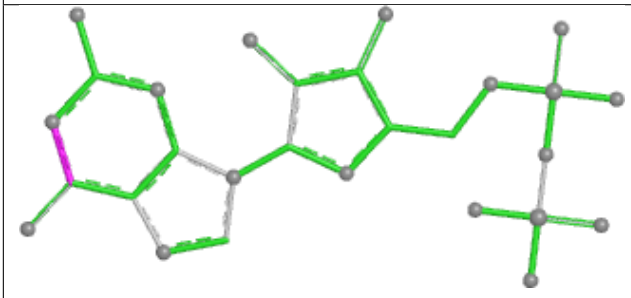
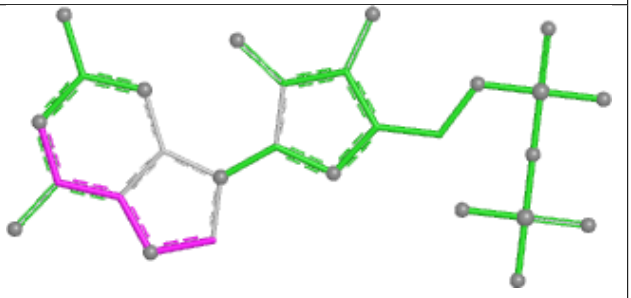


Rings

Ligand GDP Ed 502	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand GDP IK 502	
	
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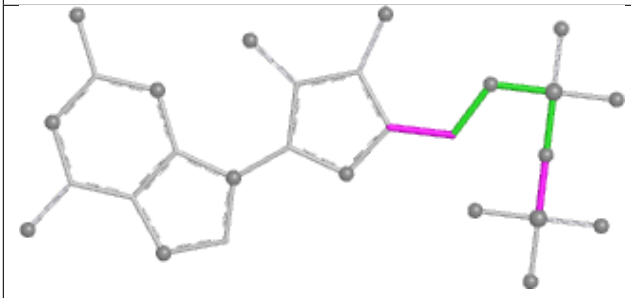
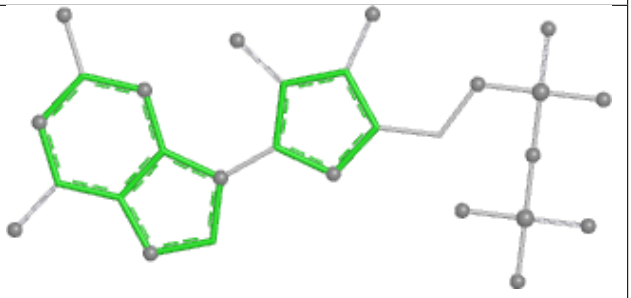
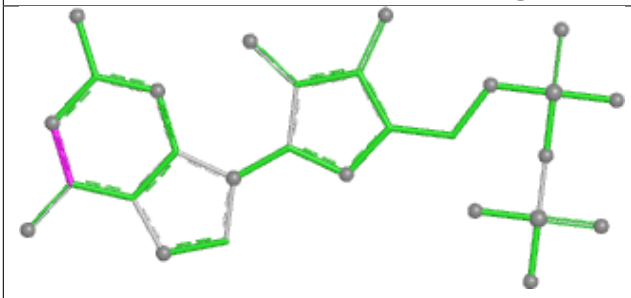
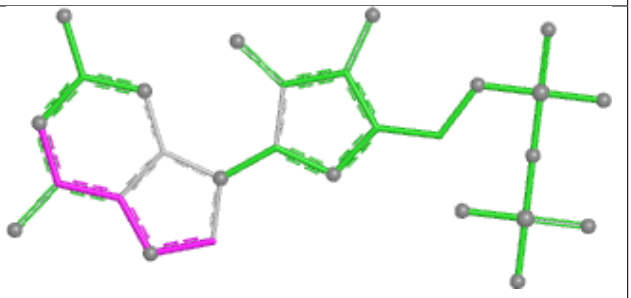
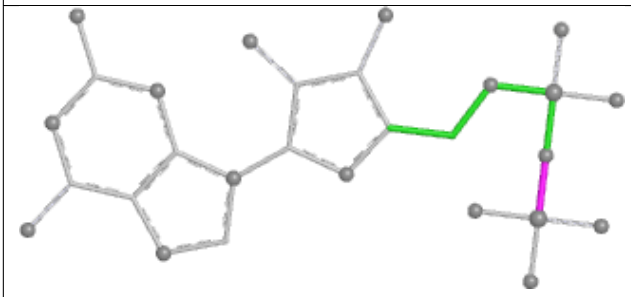
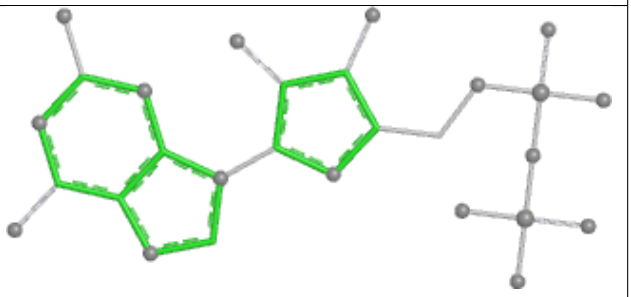
	
Torsions	Rings

Ligand GDP A5 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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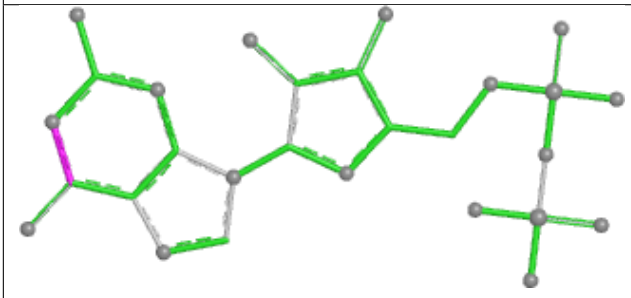
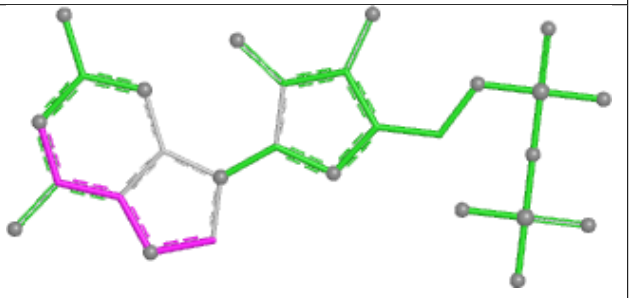
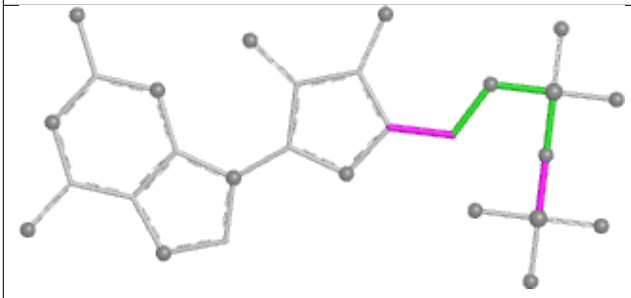
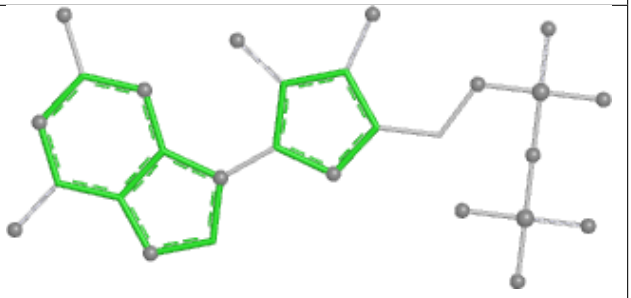
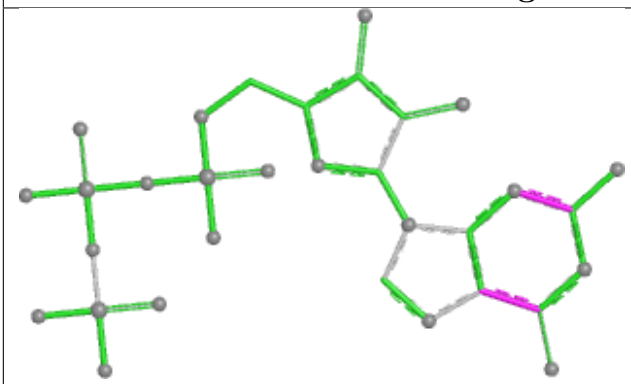
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Bl 501



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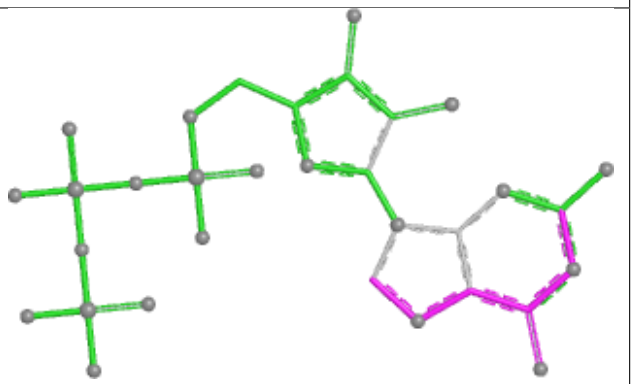
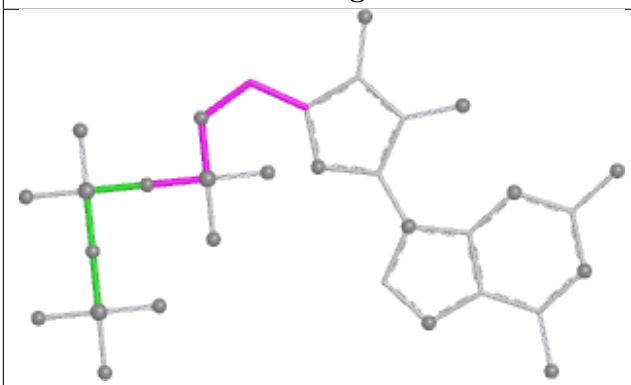
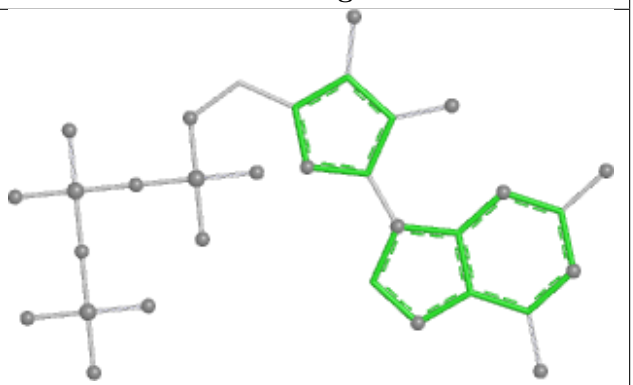


Bond angles

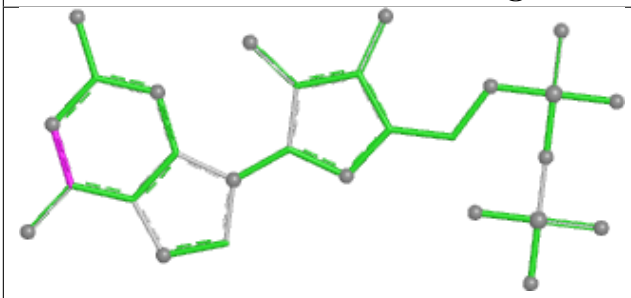


Torsions



Rings

Ligand GDP W0 502



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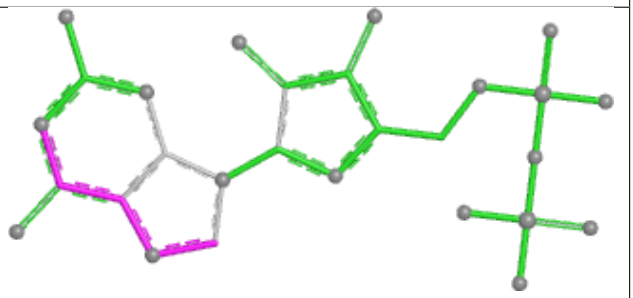

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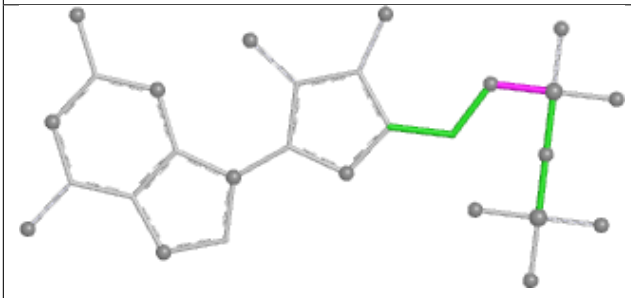

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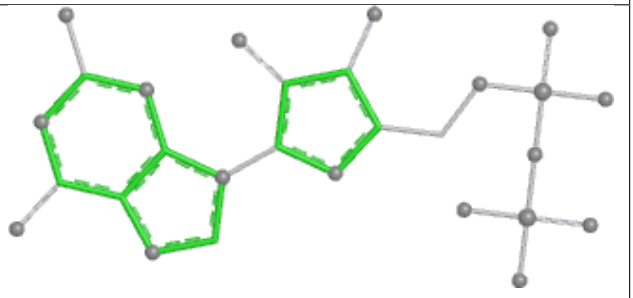
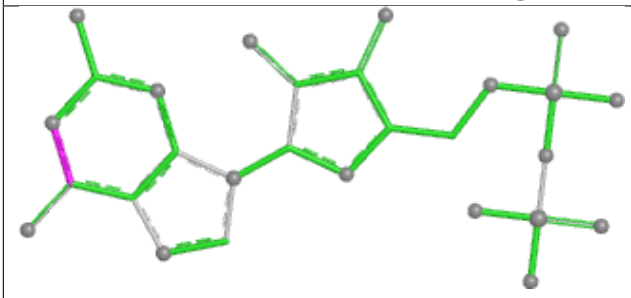


Rings

Ligand GDP 2Y 502



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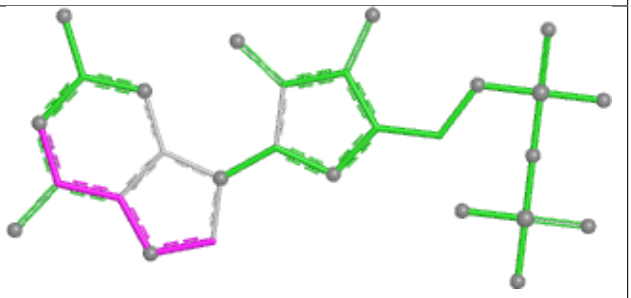

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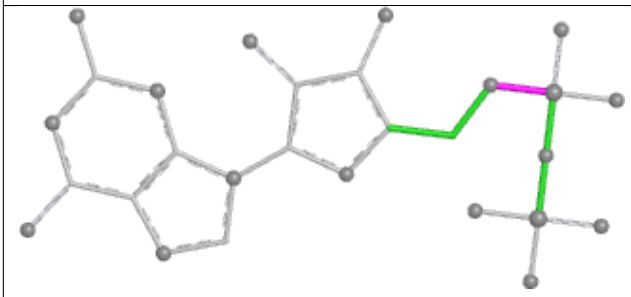

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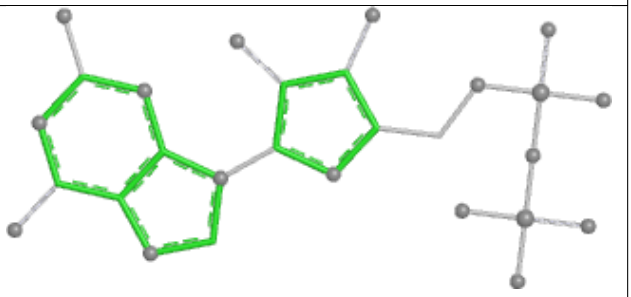
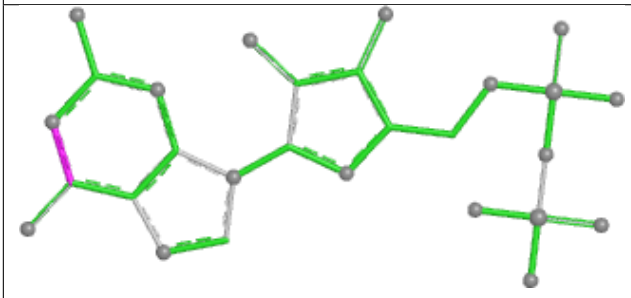


Rings

Ligand GDP EF 502



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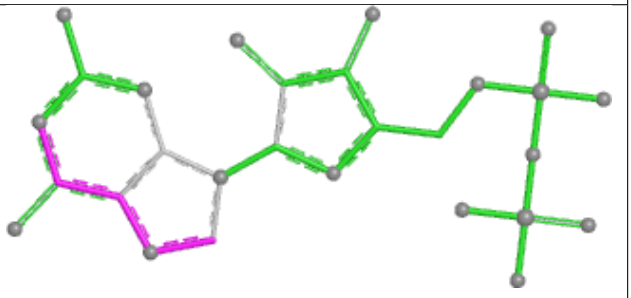

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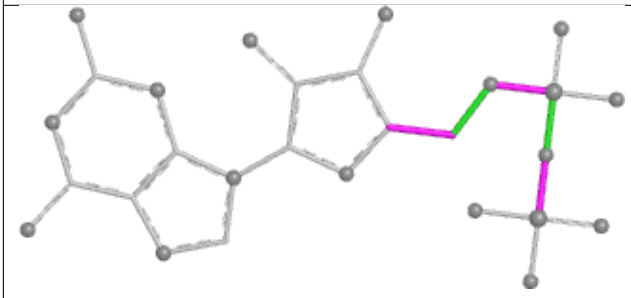

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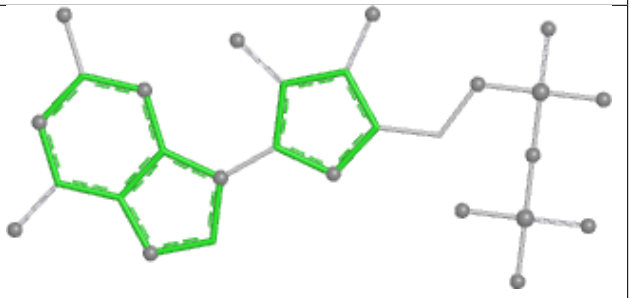
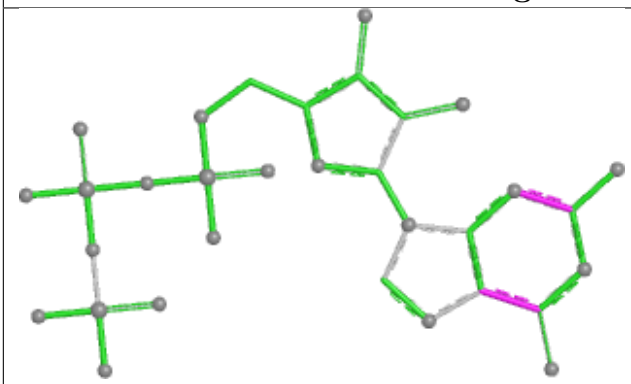


Rings

Ligand GTP De 501



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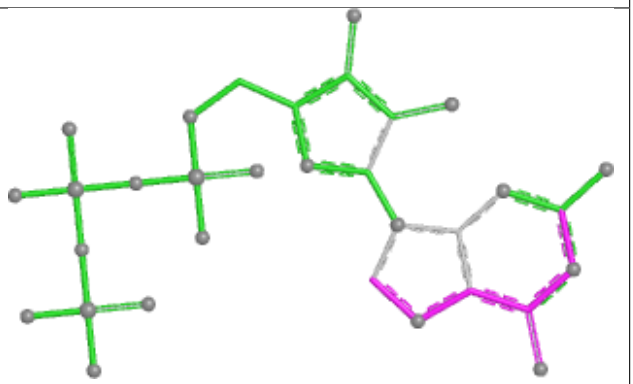

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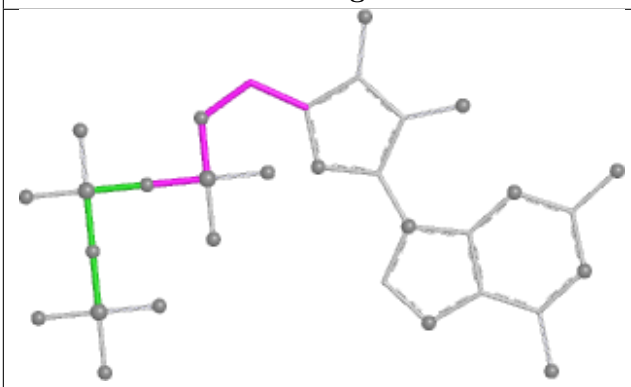

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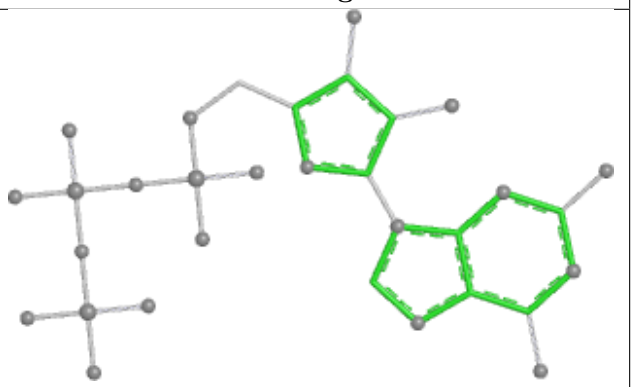
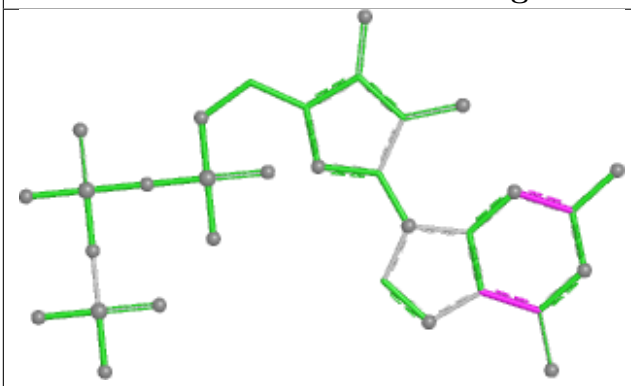


Rings

Ligand GTP DZ 501



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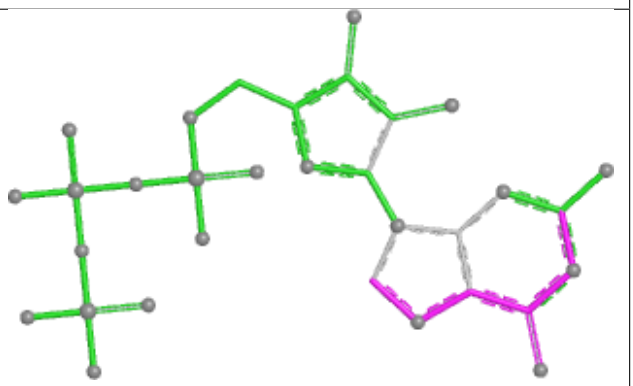

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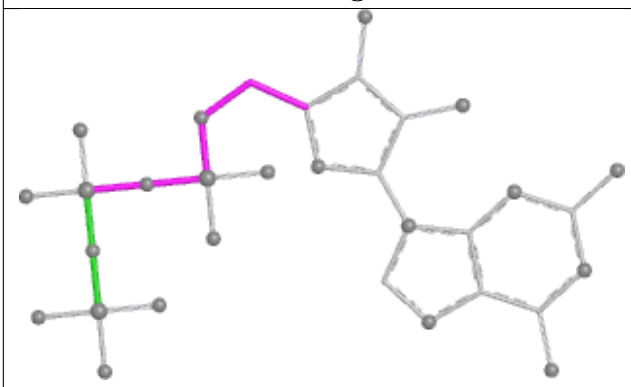

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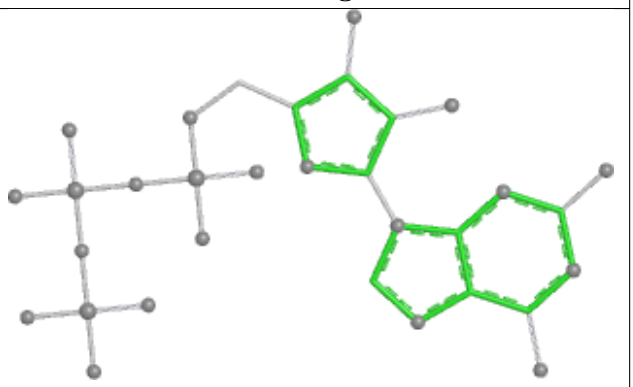
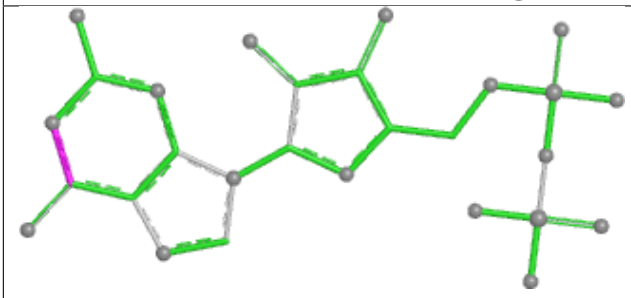
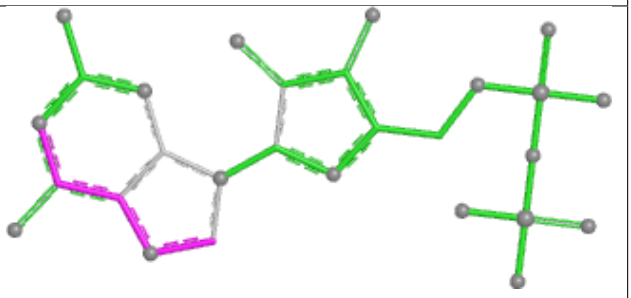
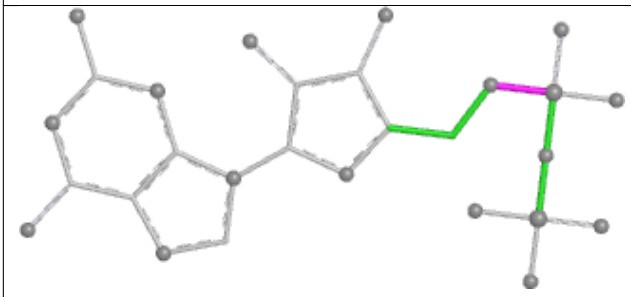
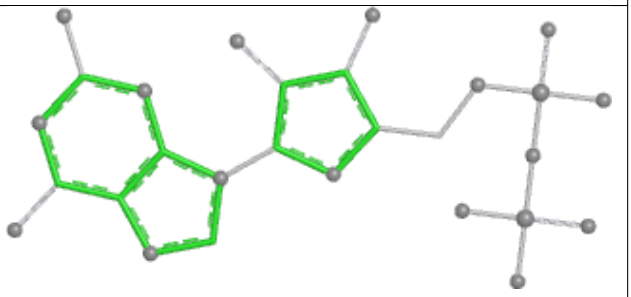


Rings

Ligand GDP LX 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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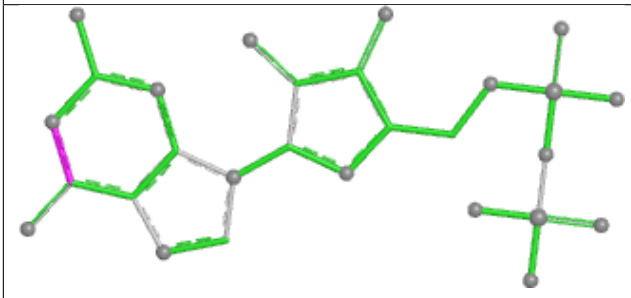
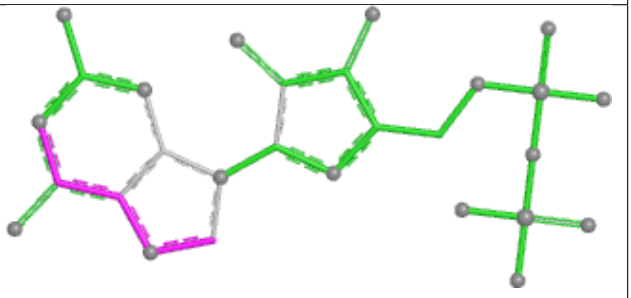
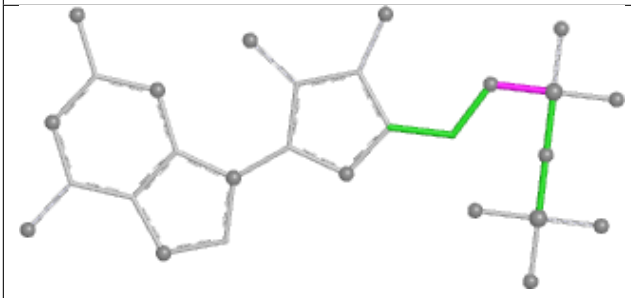
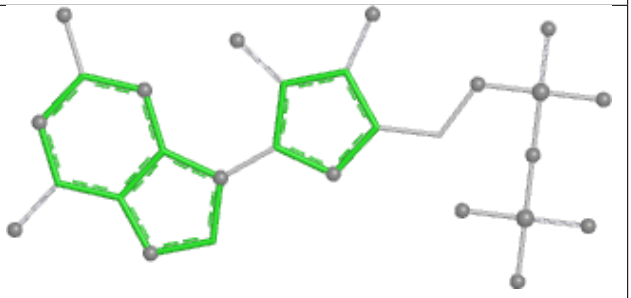
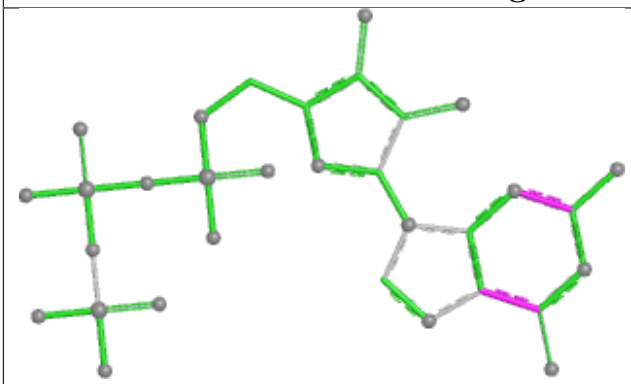
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP DV 501



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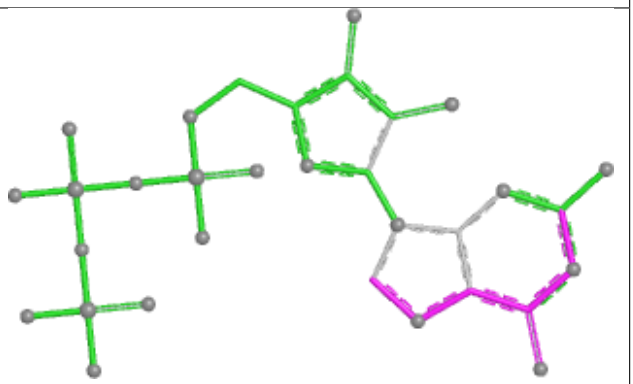

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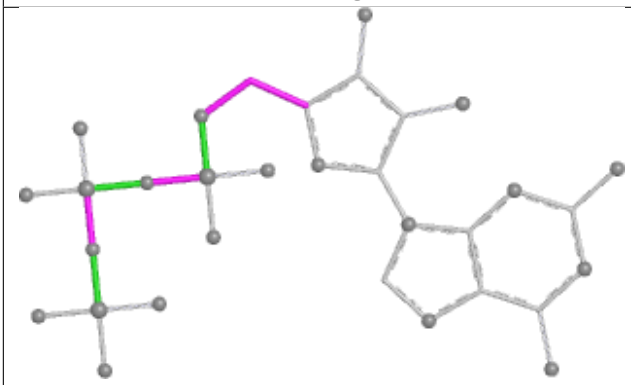

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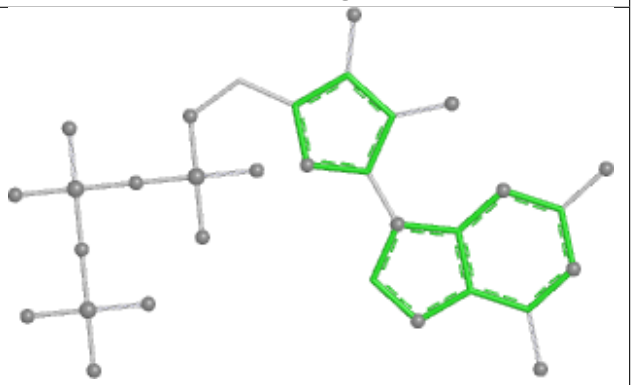

Rings

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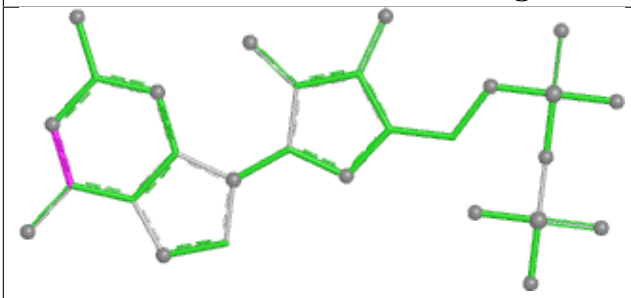

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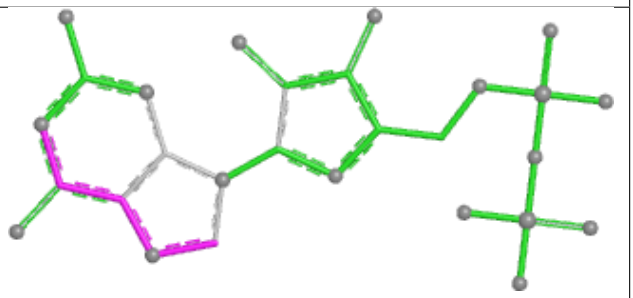

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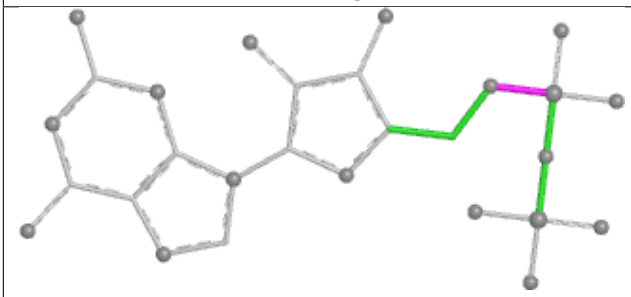

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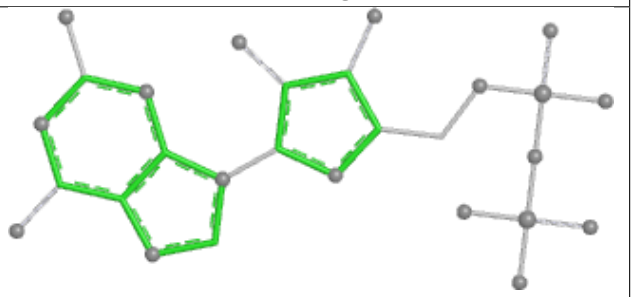

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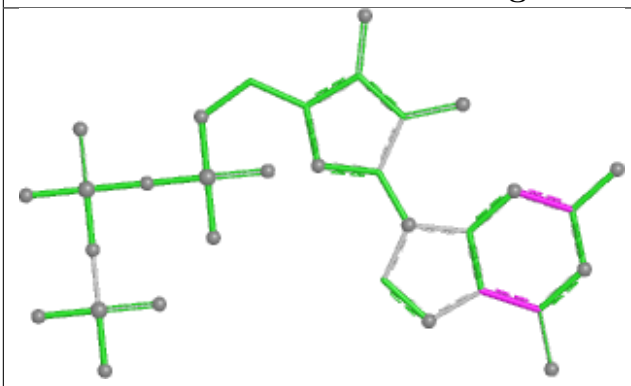

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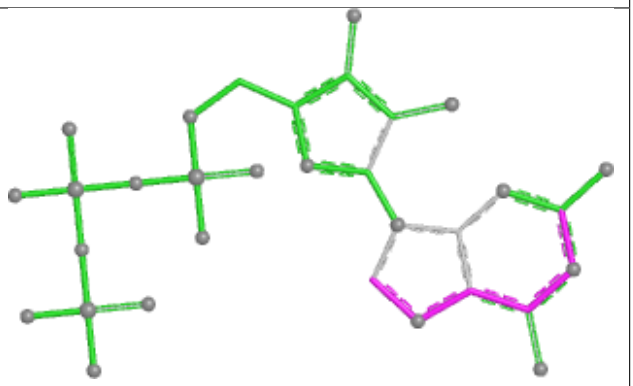

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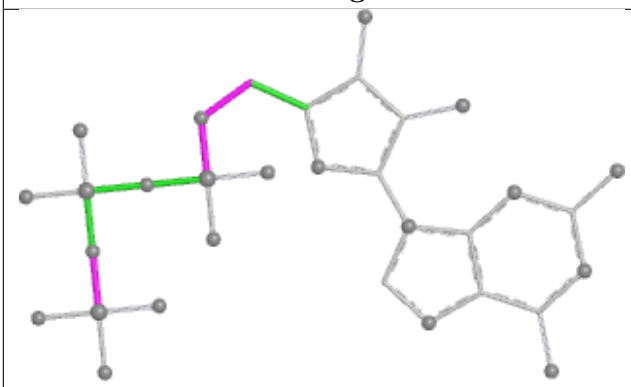

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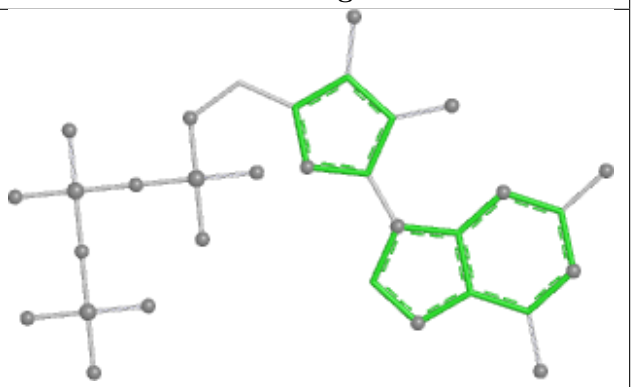

Rings

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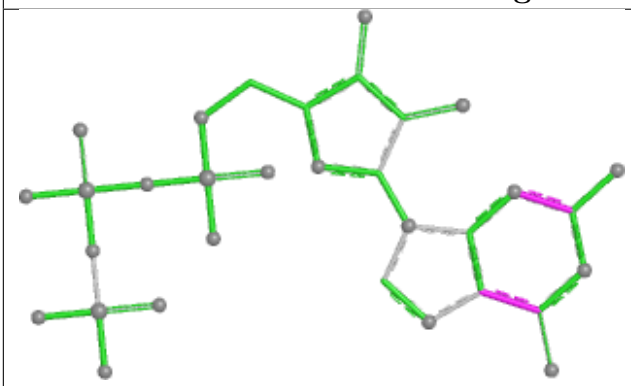

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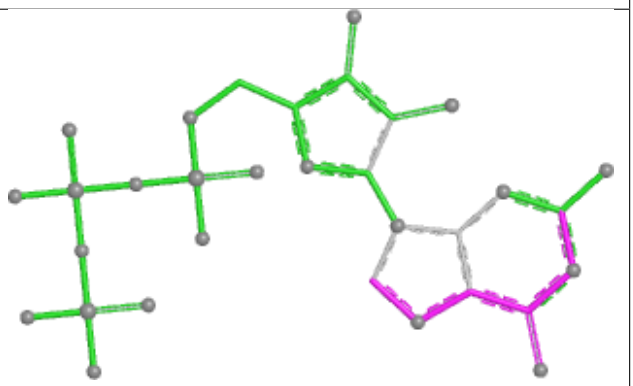

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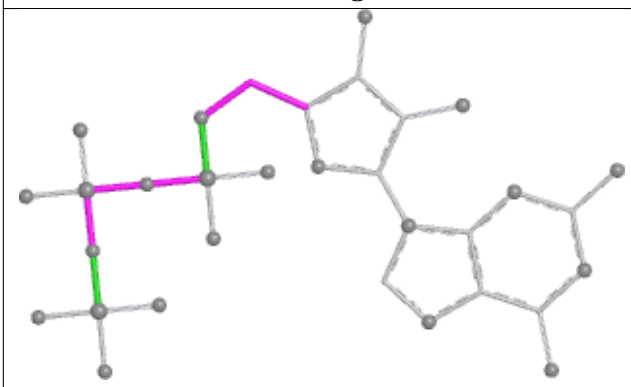

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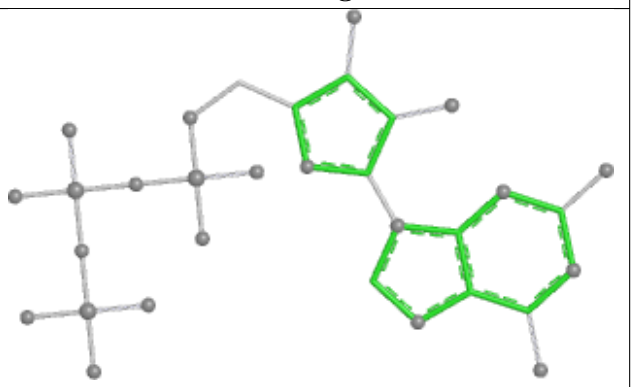

Rings

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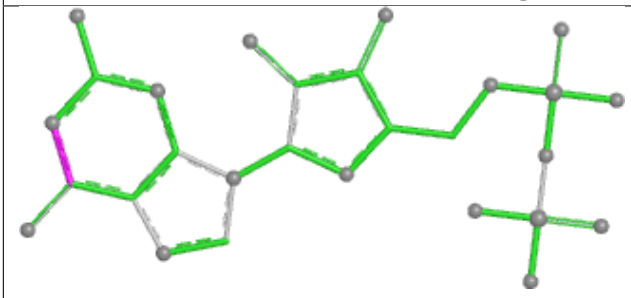

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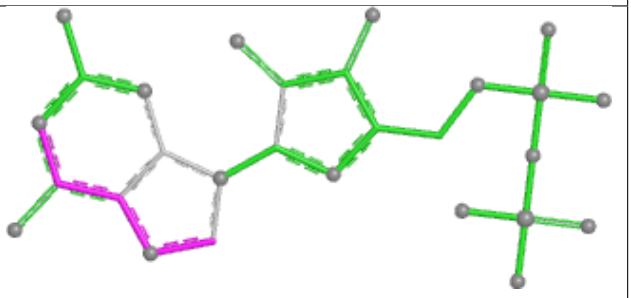

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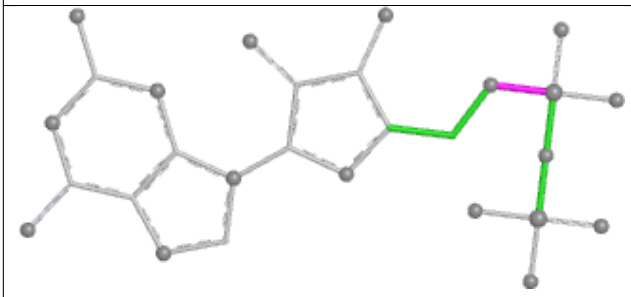

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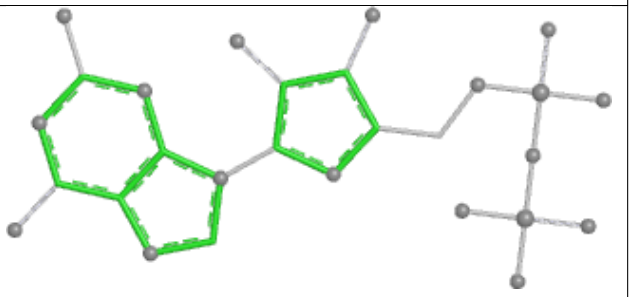
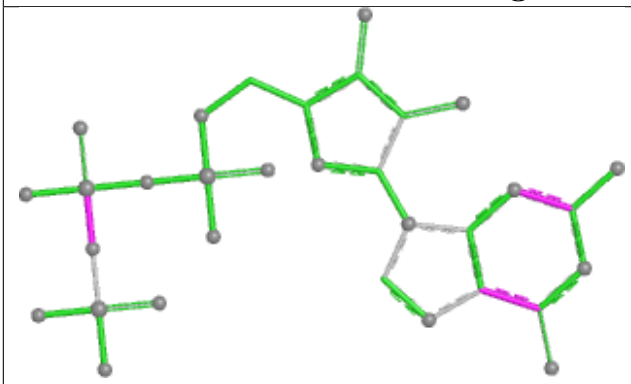


Rings

Ligand GTP M2 501



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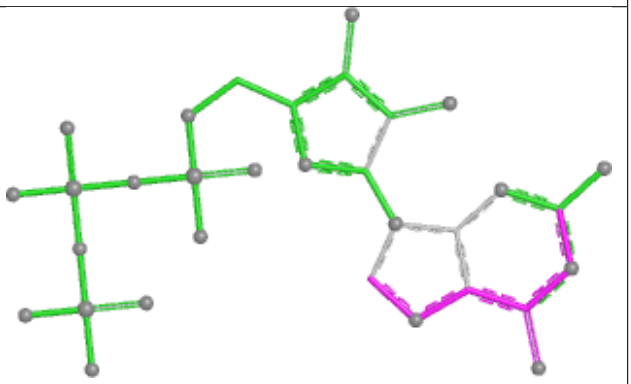

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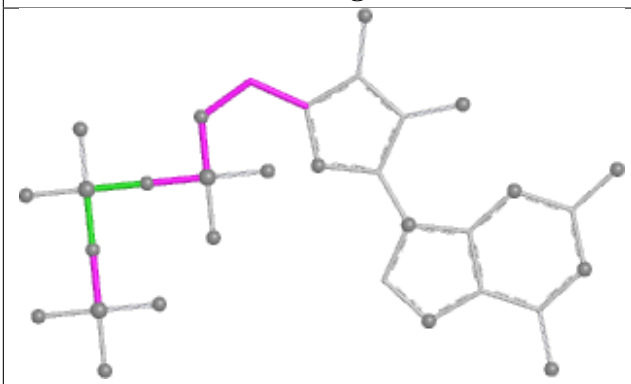

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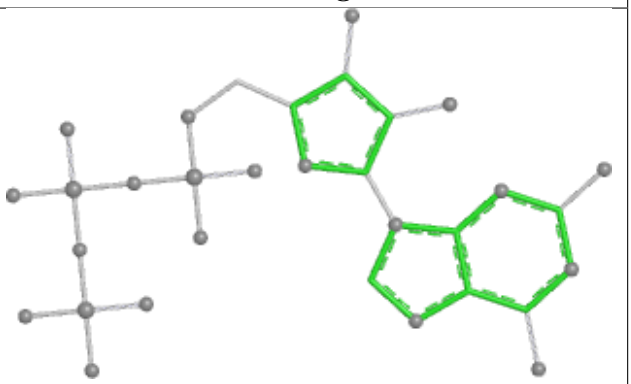
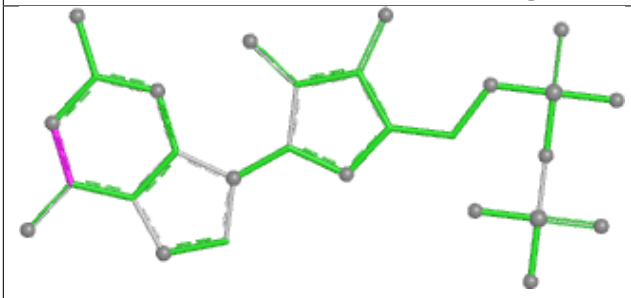
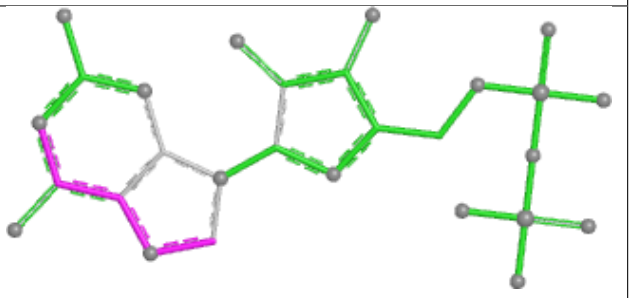
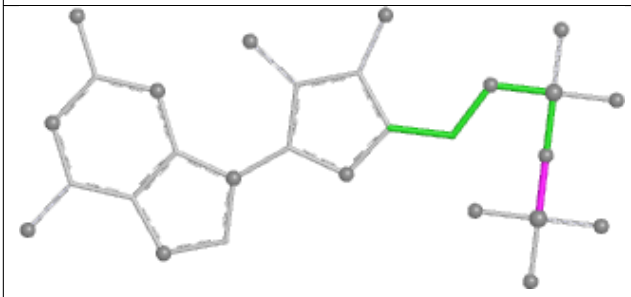
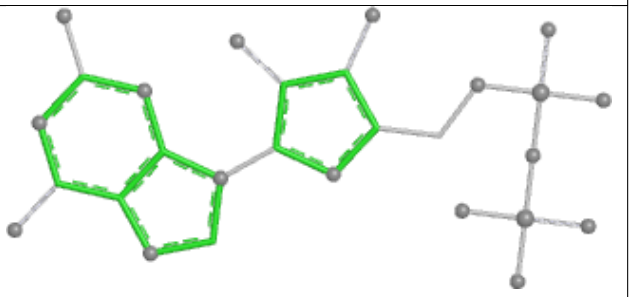
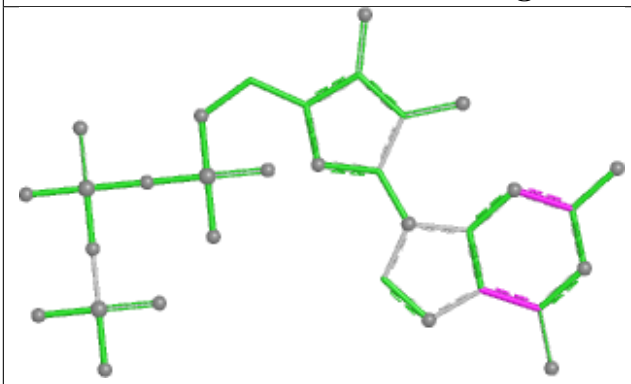
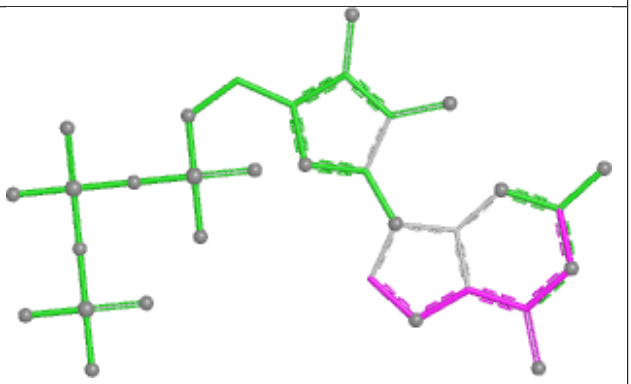
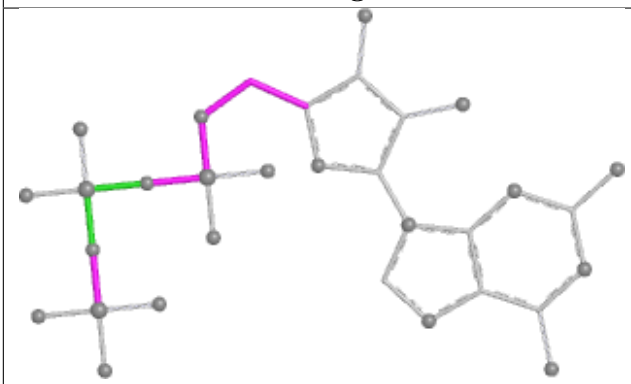
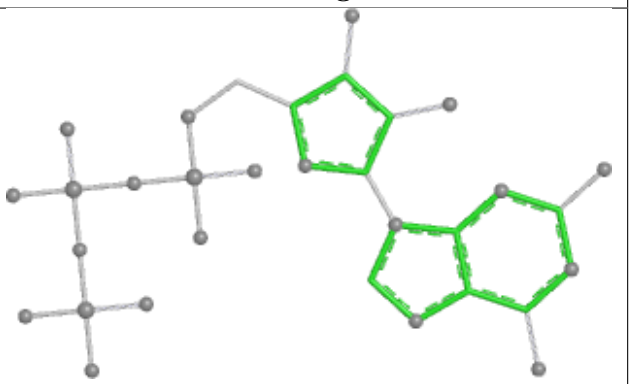


Rings

Ligand GDP Il 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Ee 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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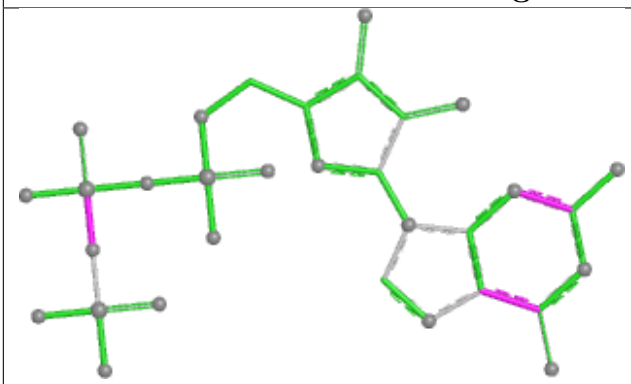

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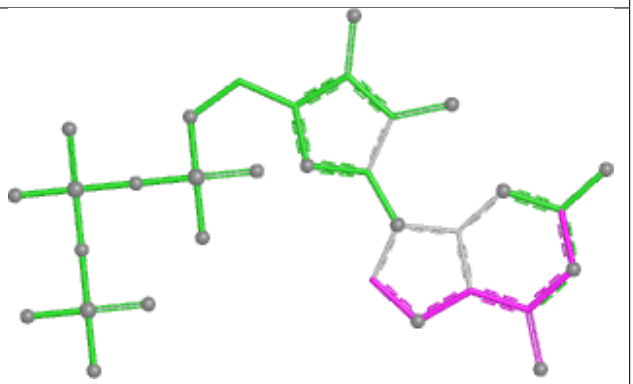

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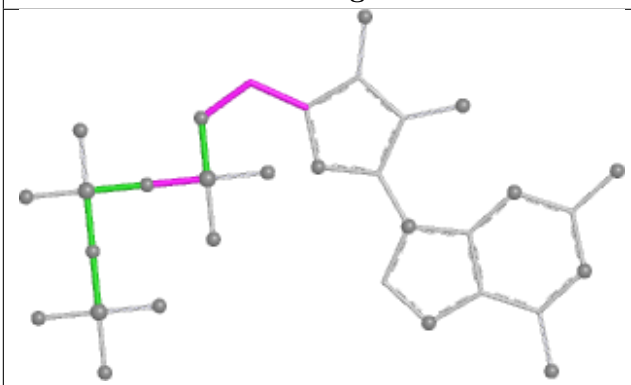

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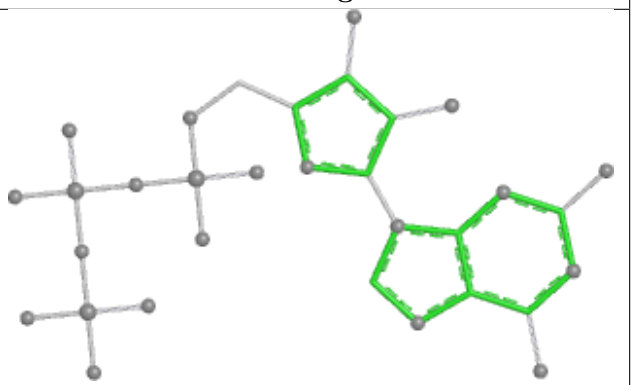
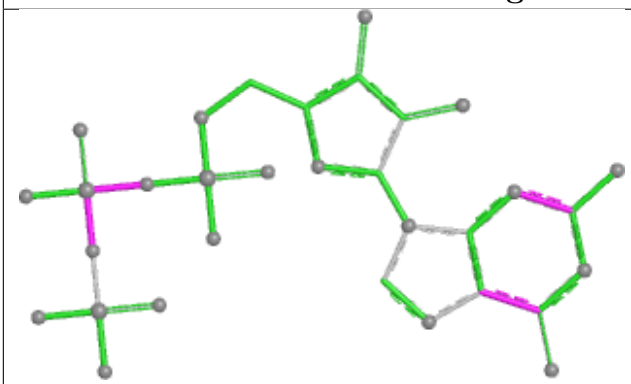


Rings

Ligand GTP MT 501



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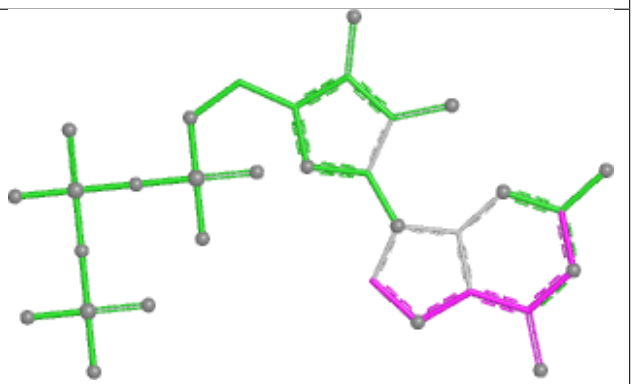

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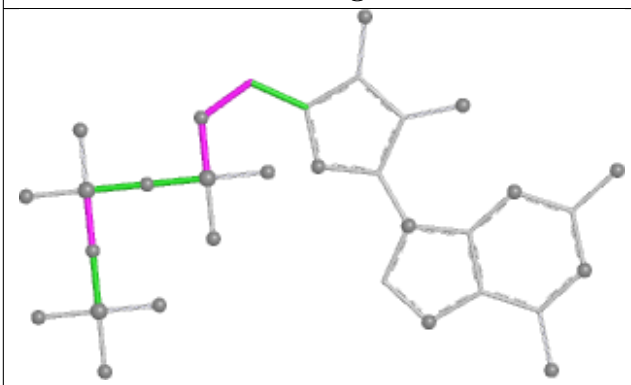

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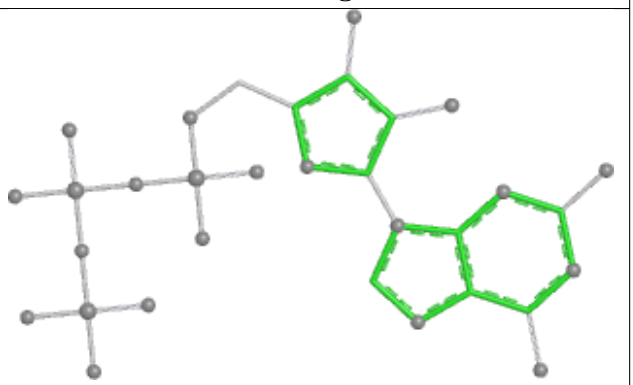
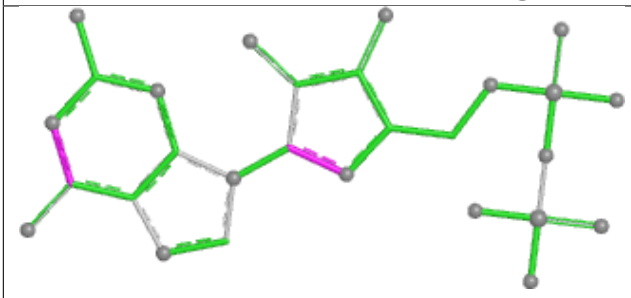
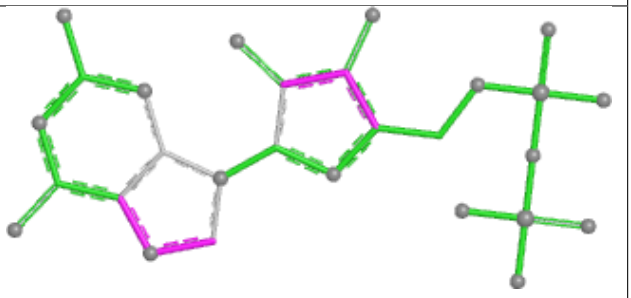
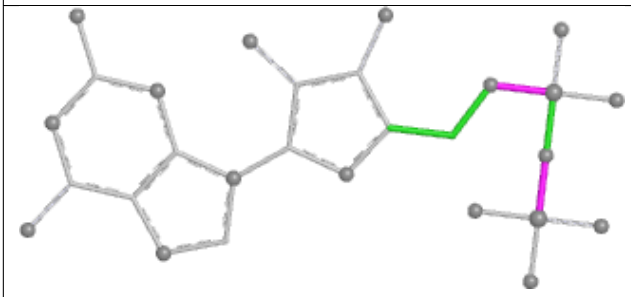
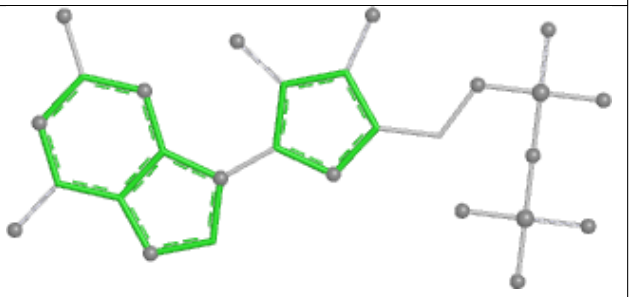


Rings

Ligand GDP 0E 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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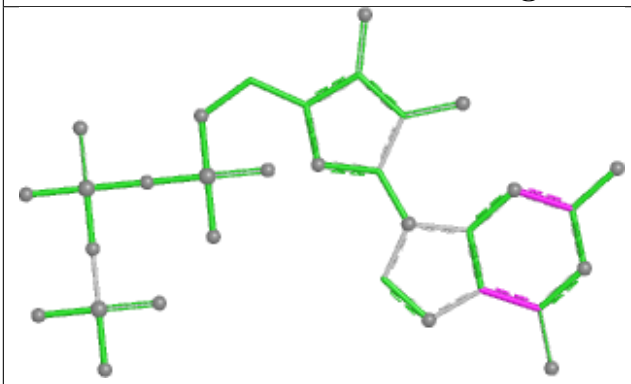
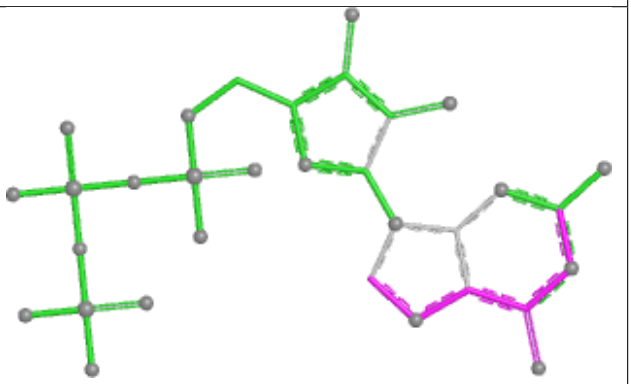
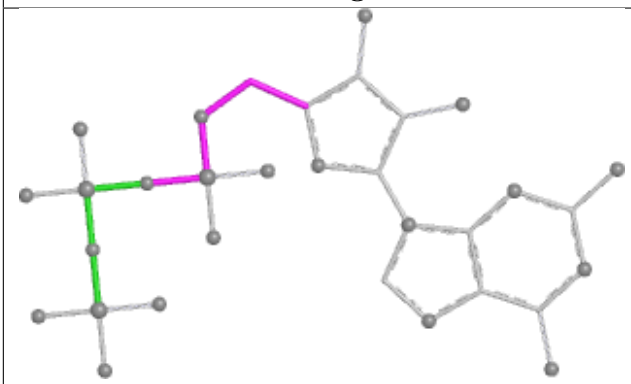
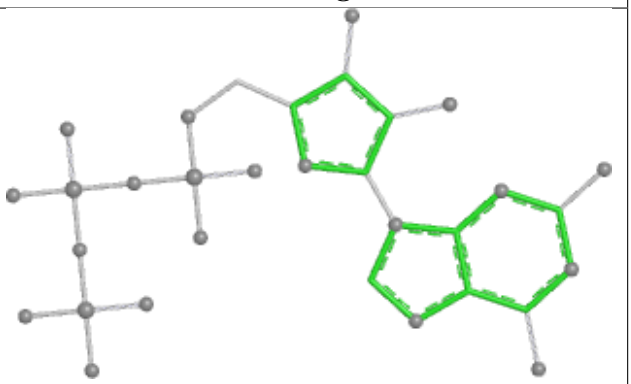
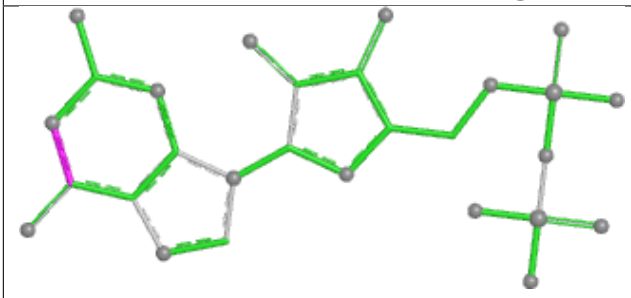
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP U4 502



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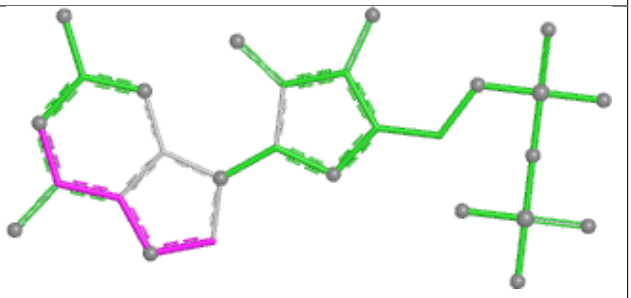

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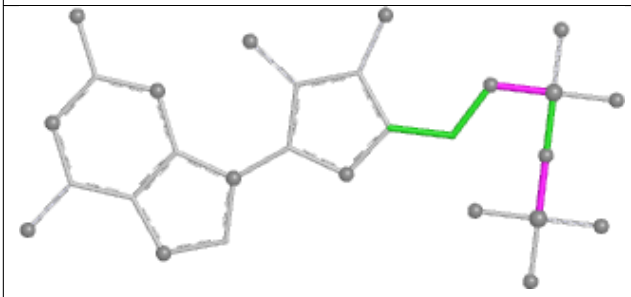

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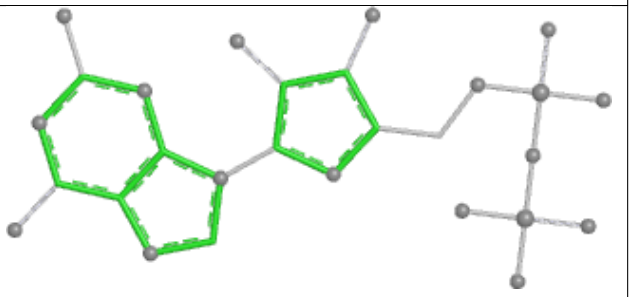
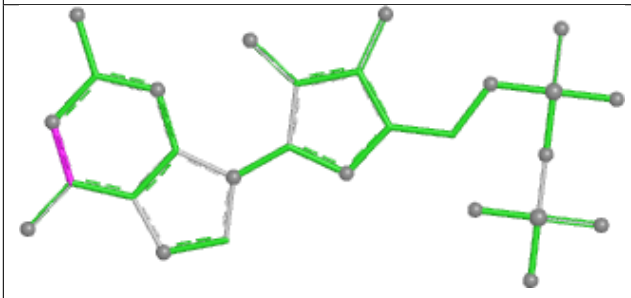


Rings

Ligand GDP Ef 501



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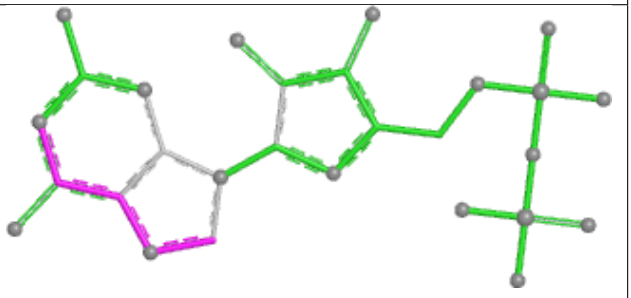

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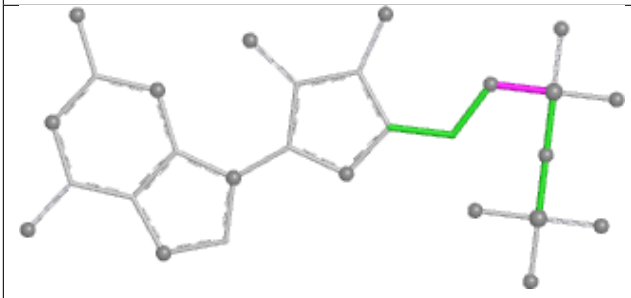

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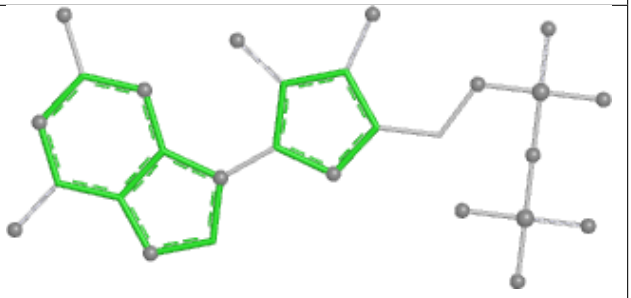

Rings

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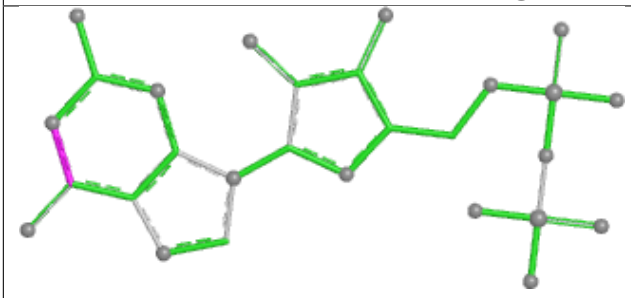
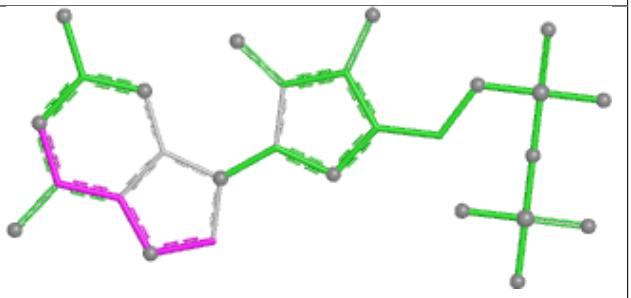
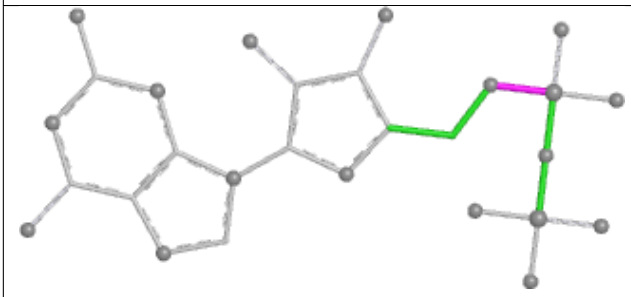
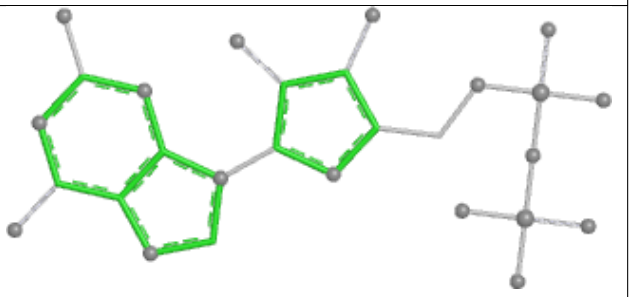
 Bond lengths	 Bond angles
 Torsions	 Rings

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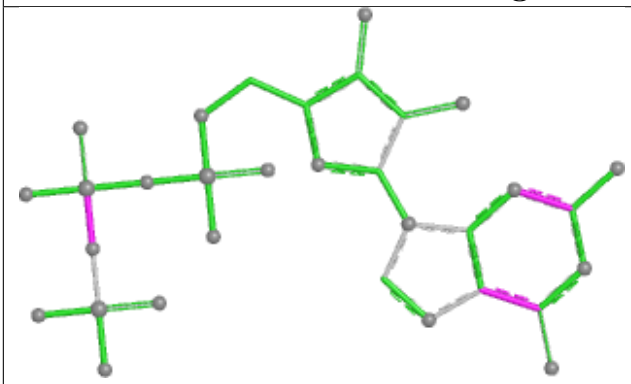
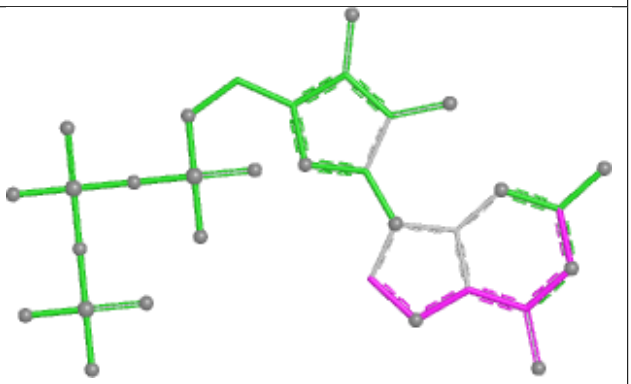
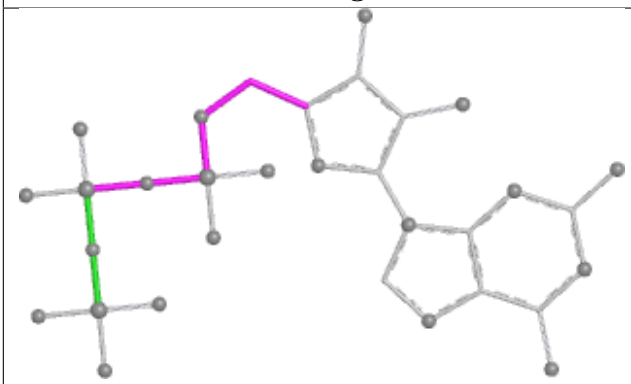
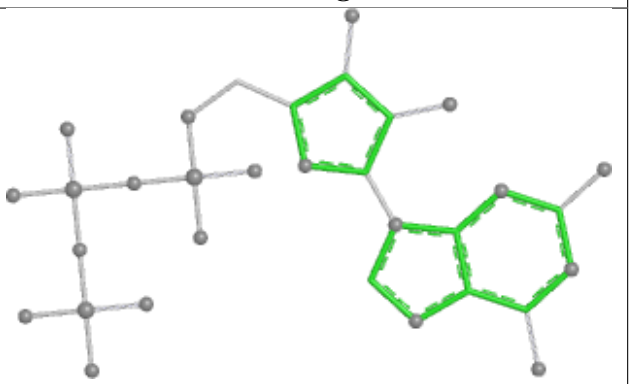
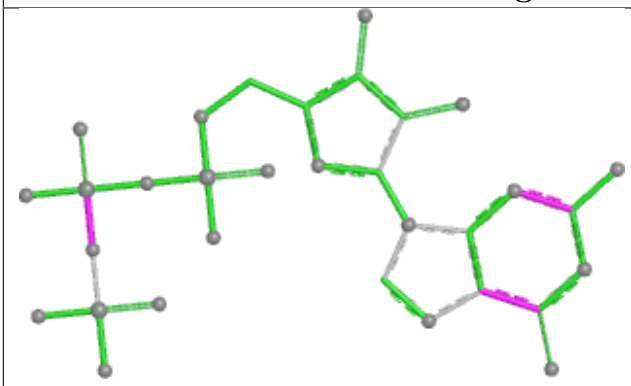
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP E6 501



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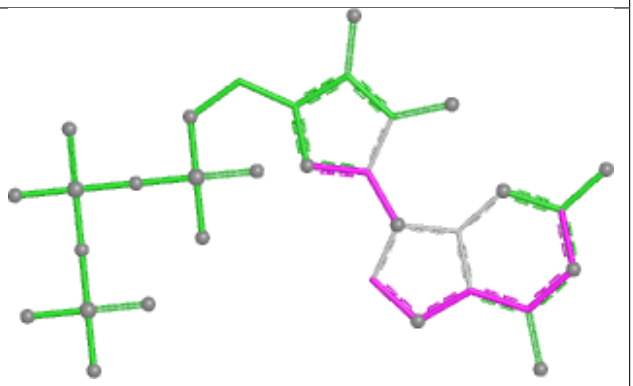

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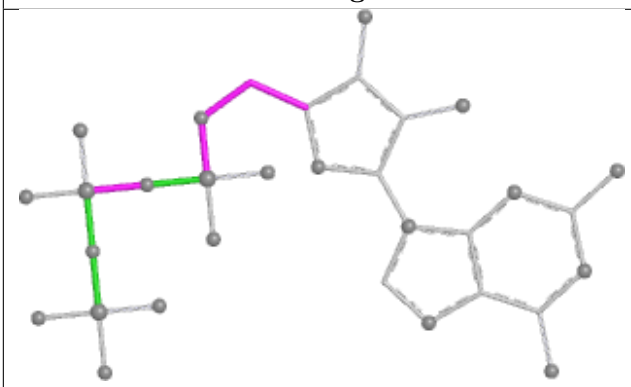

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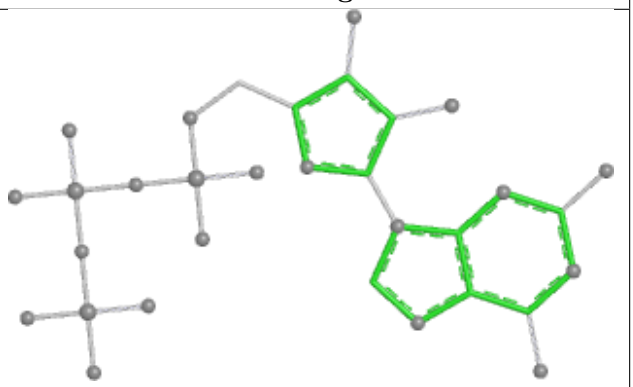
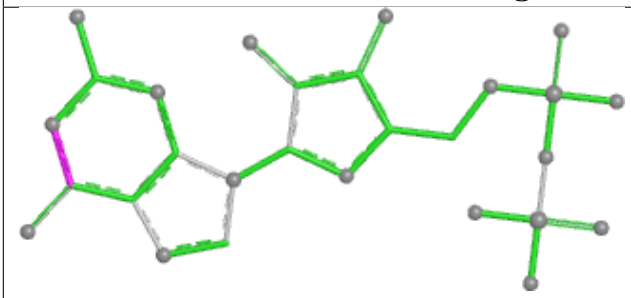


Rings

Ligand GDP T6 502



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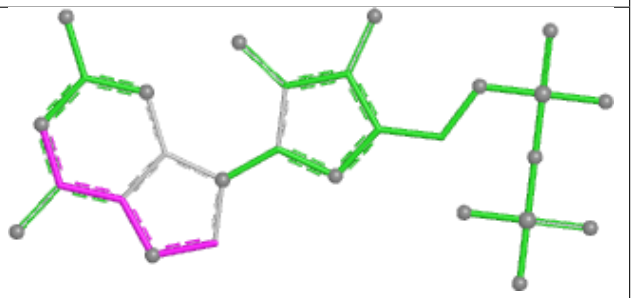

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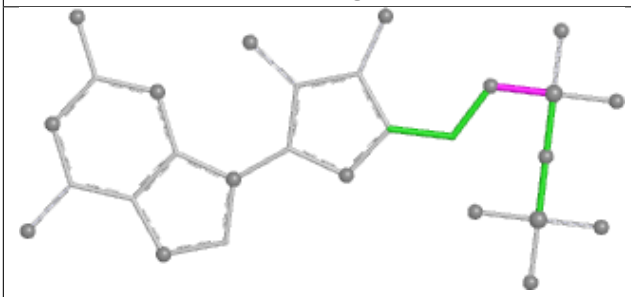

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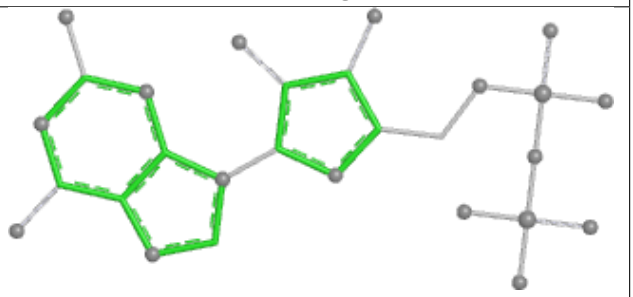
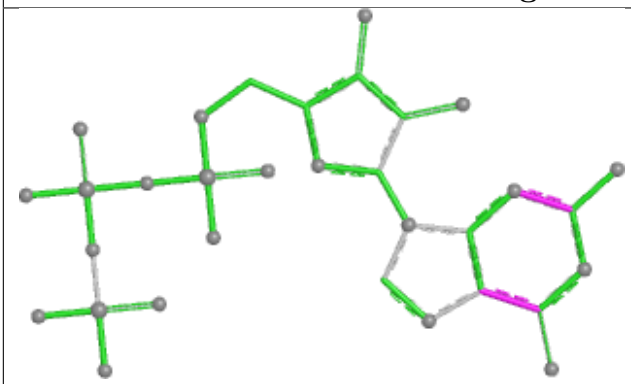


Rings

Ligand GTP JI 502



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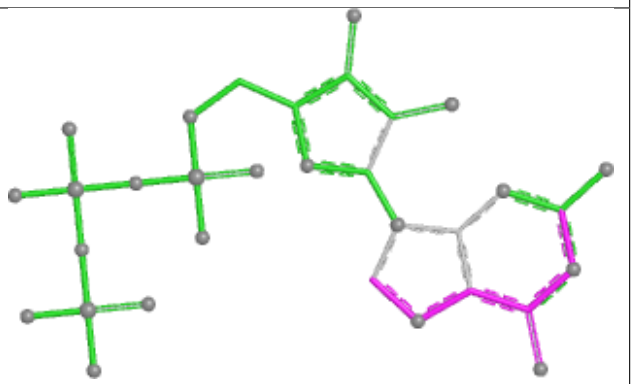

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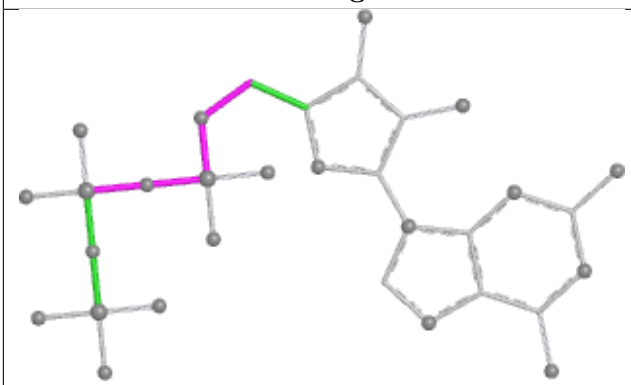

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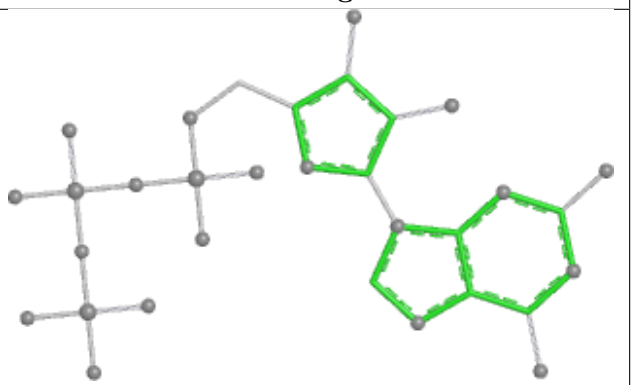

Rings

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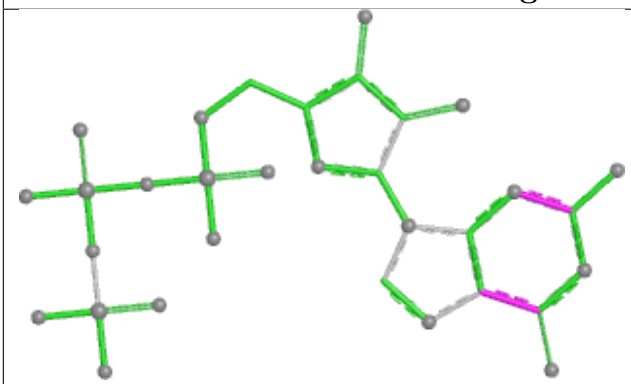

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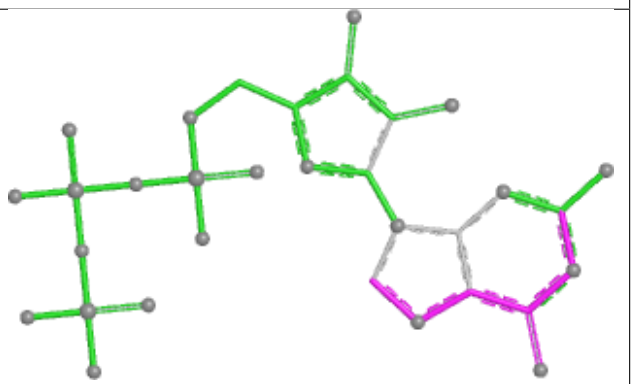

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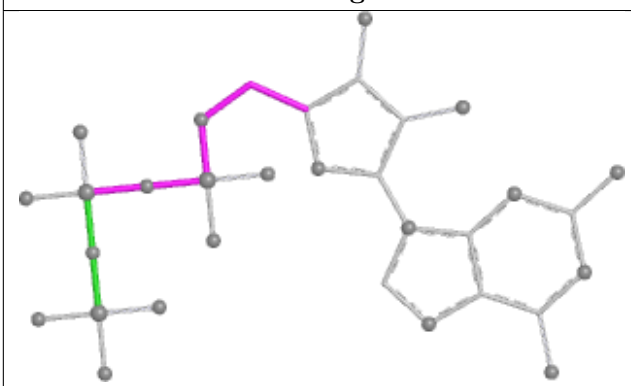

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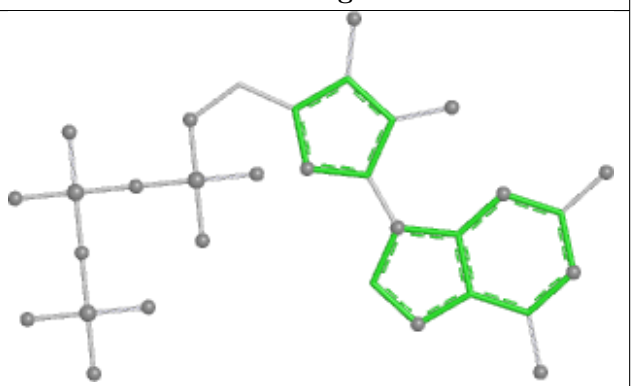

Rings

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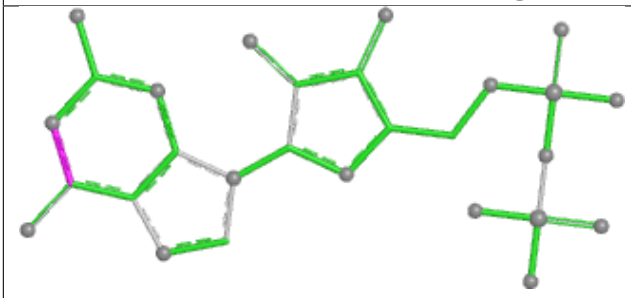
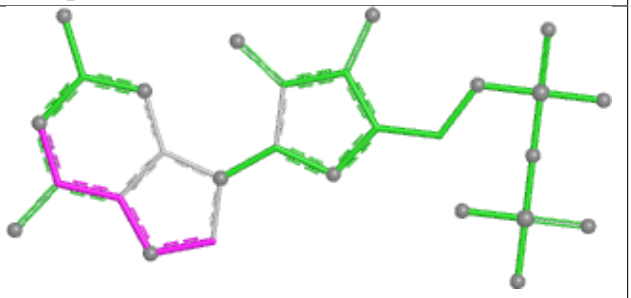
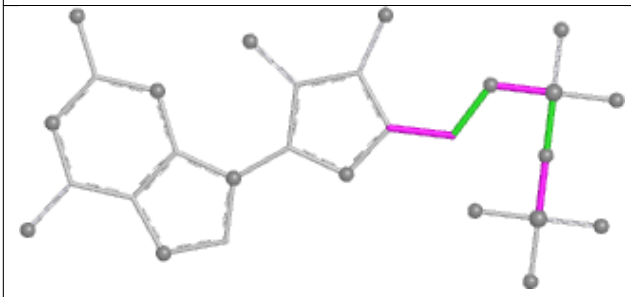
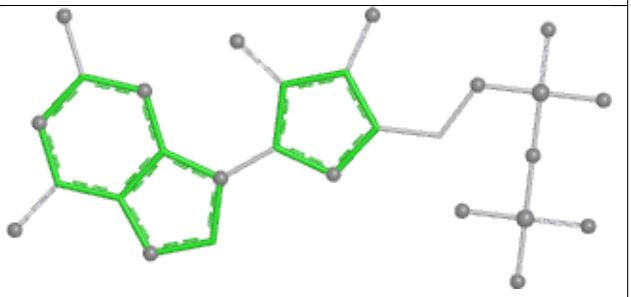
 Bond lengths	 Bond angles
 Torsions	 Rings

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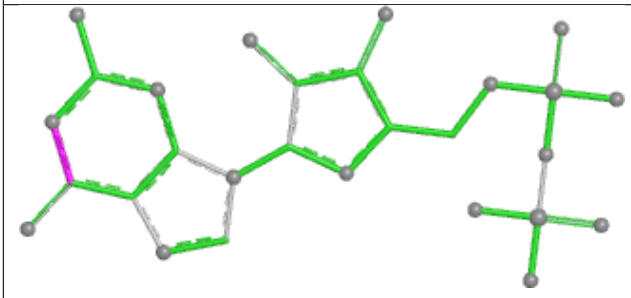
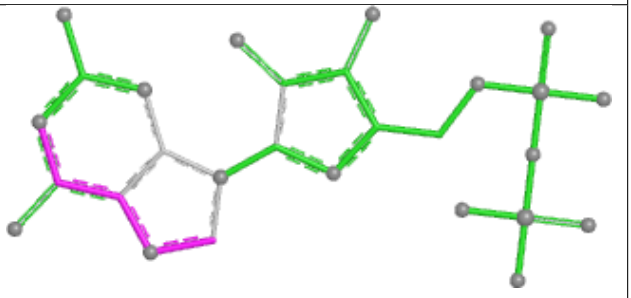
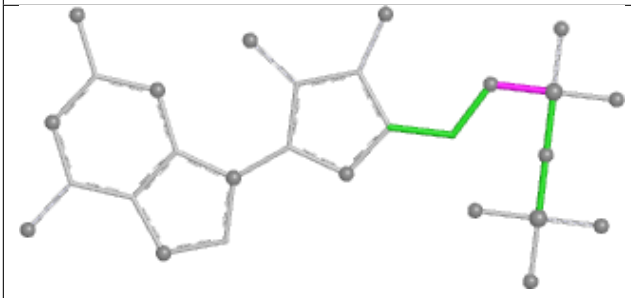
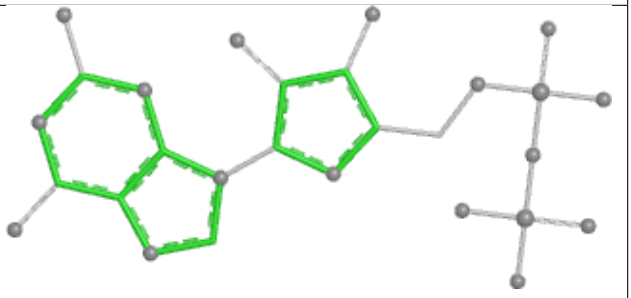
 Bond lengths	 Bond angles
 Torsions	 Rings

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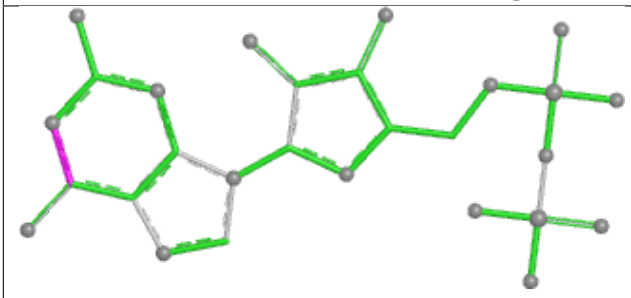
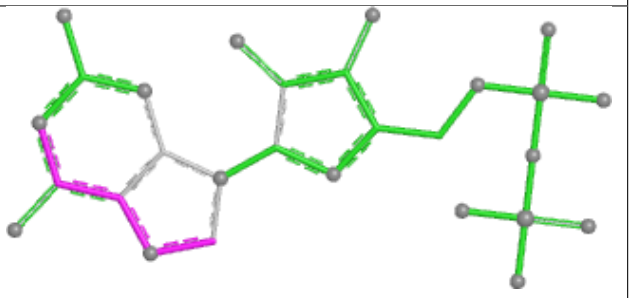
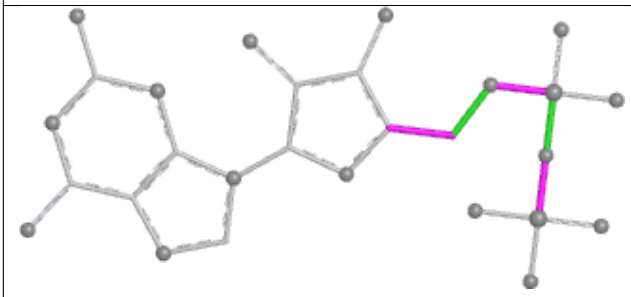
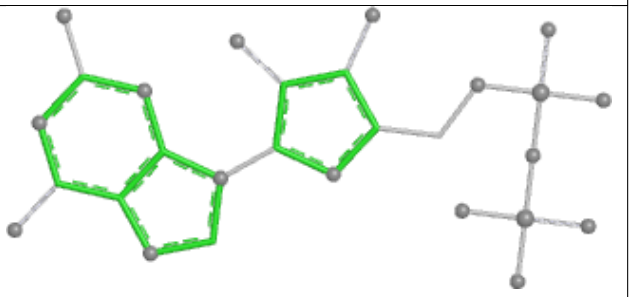
 Bond lengths	 Bond angles
 Torsions	 Rings

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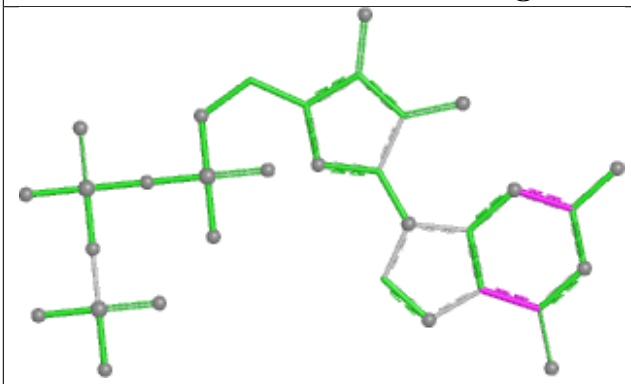
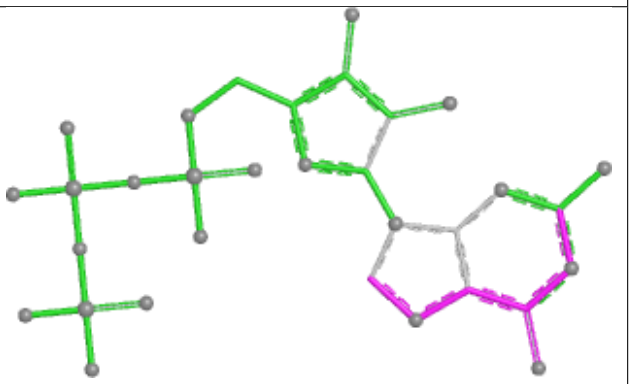
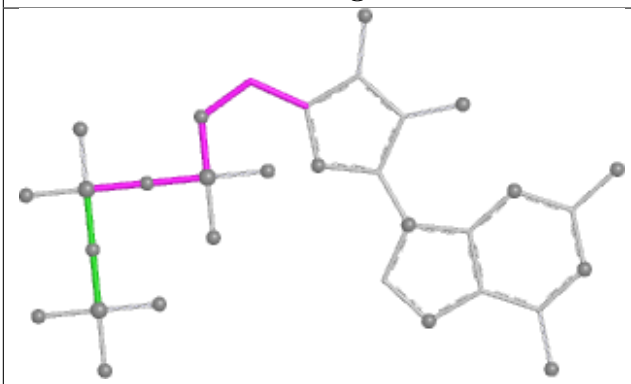
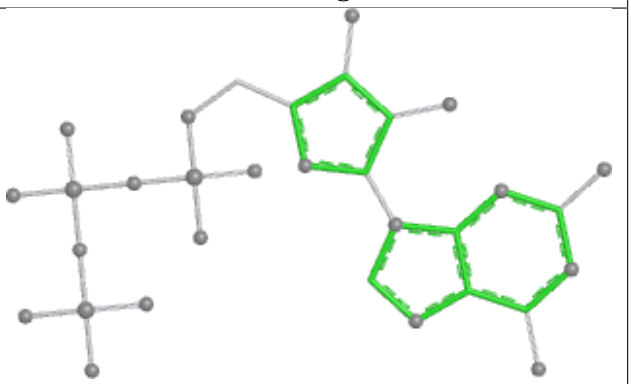
 Bond lengths	 Bond angles
 Torsions	 Rings

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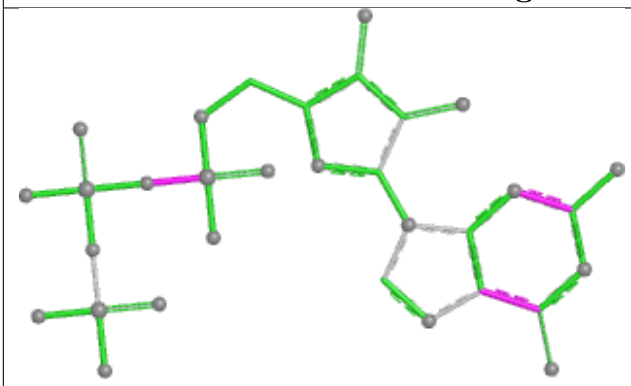

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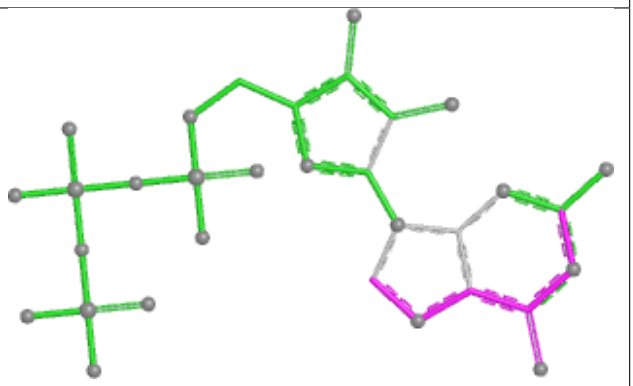

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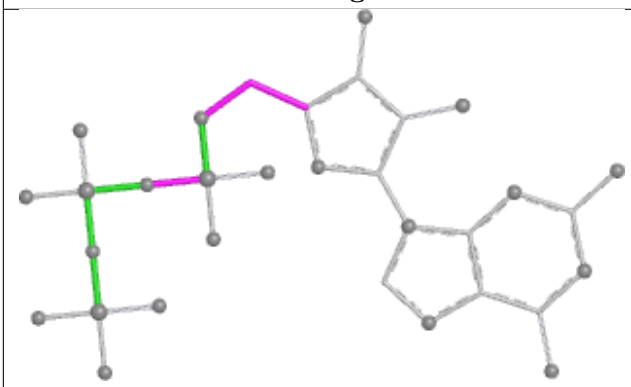

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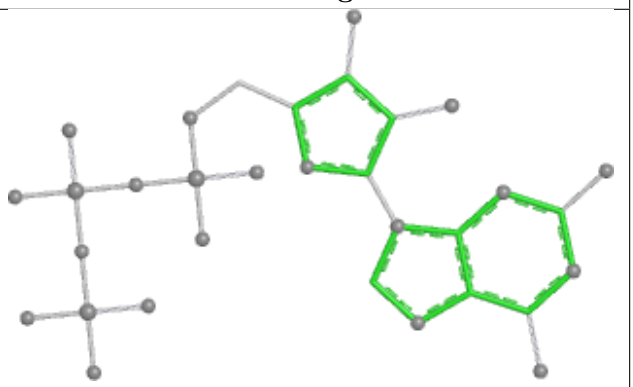
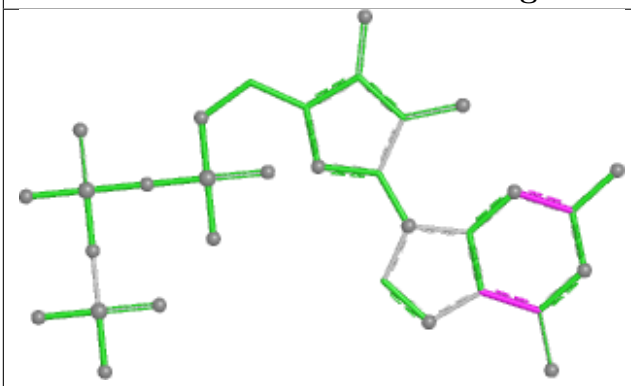


Rings

Ligand GTP 3I 501



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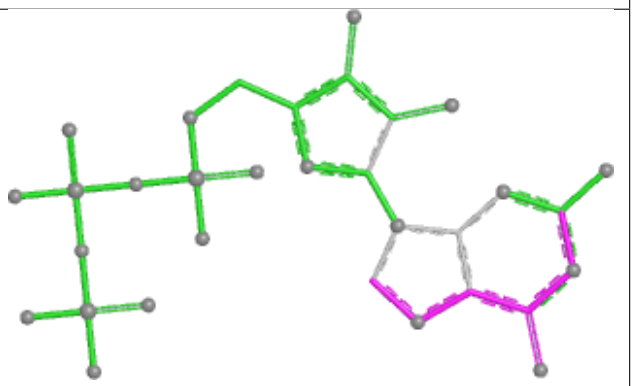

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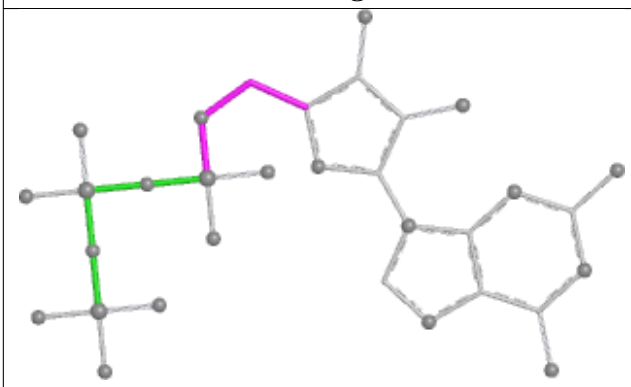

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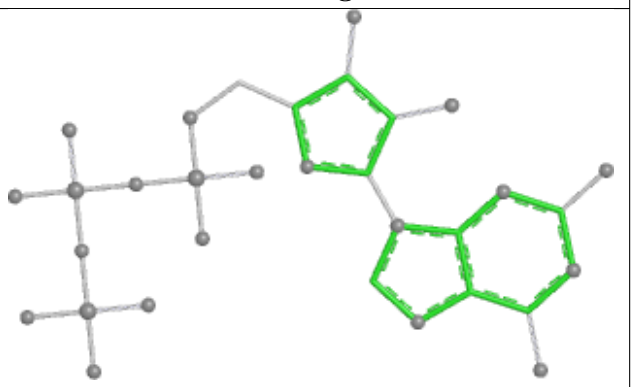

Rings

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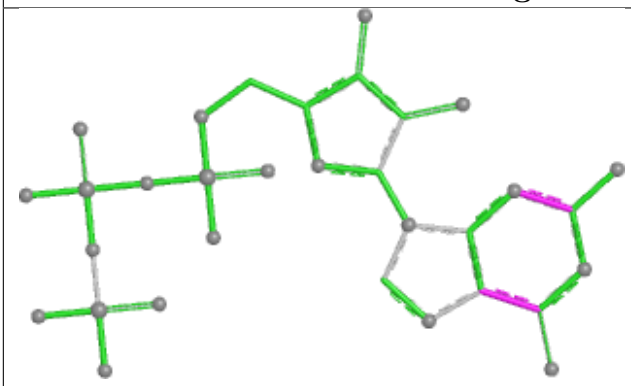

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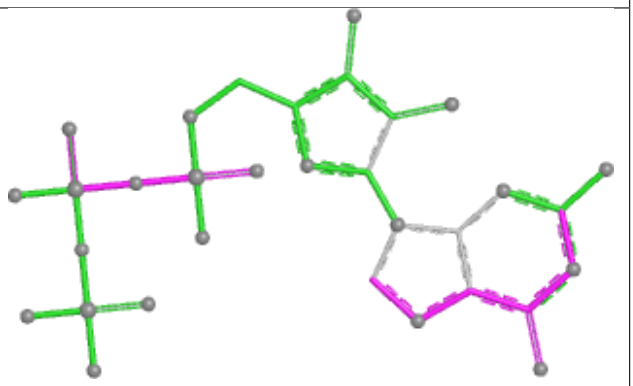

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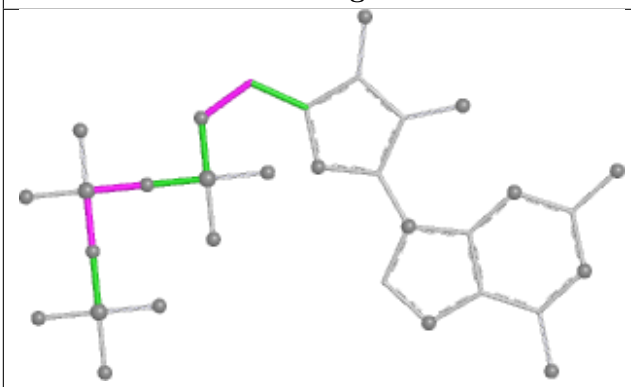

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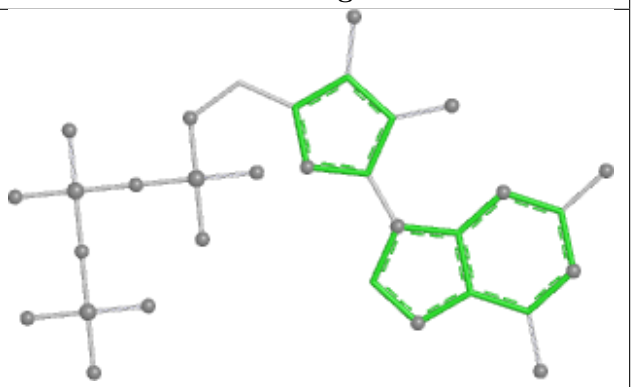

Rings

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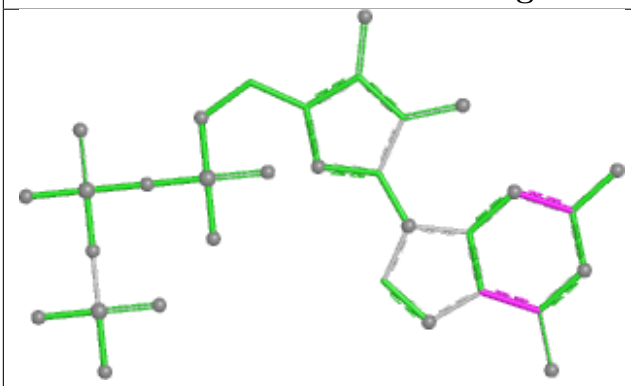

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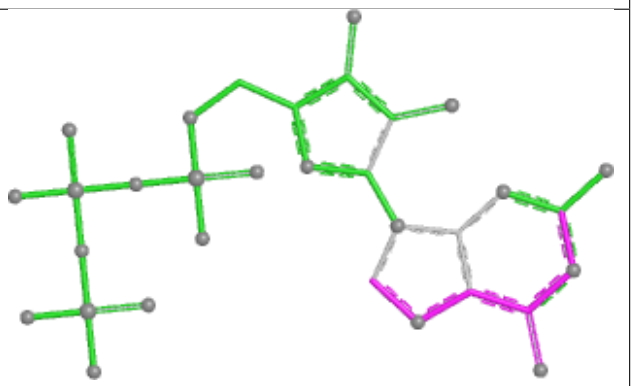

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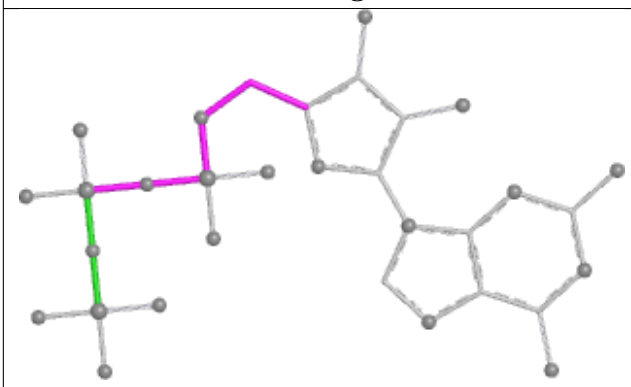

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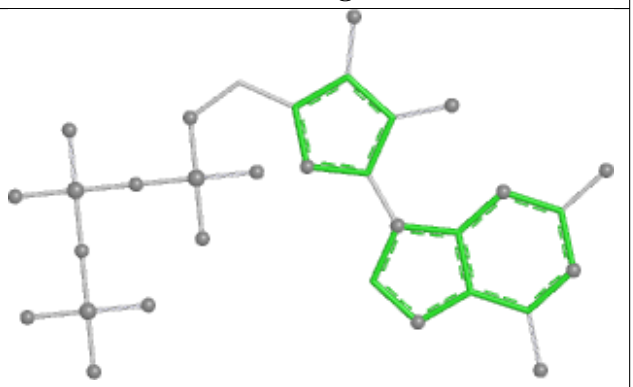

Rings

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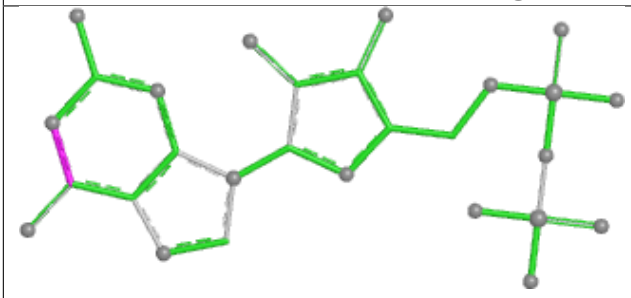
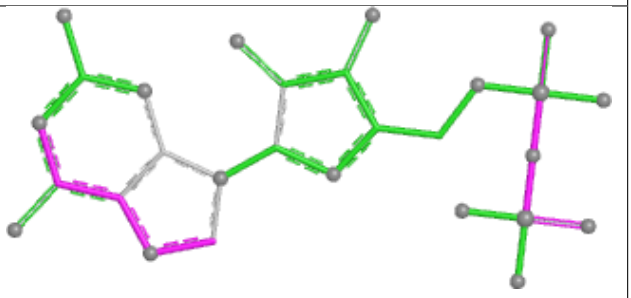
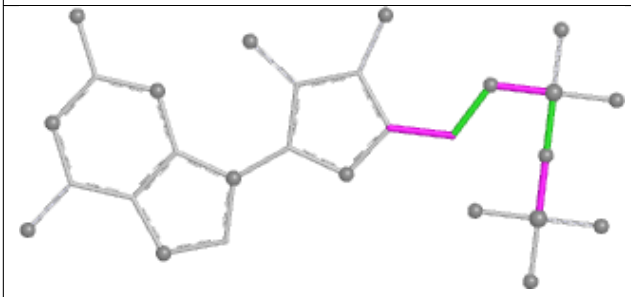
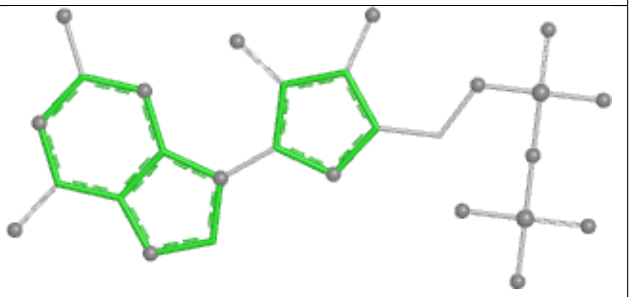
 Bond lengths	 Bond angles
 Torsions	 Rings

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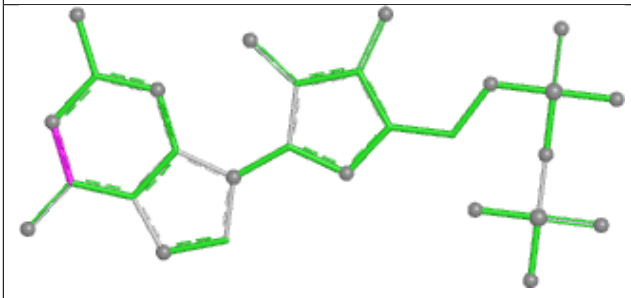
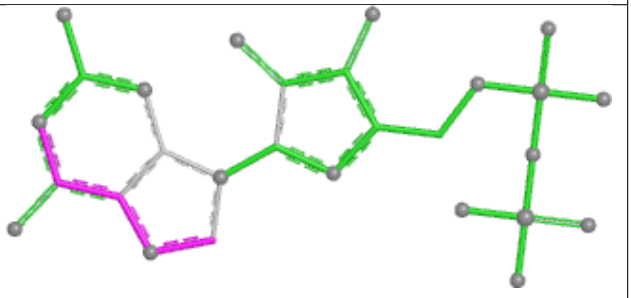
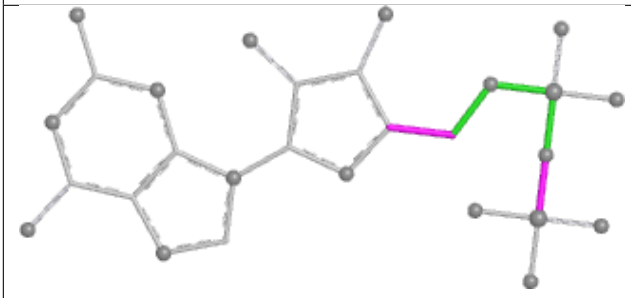
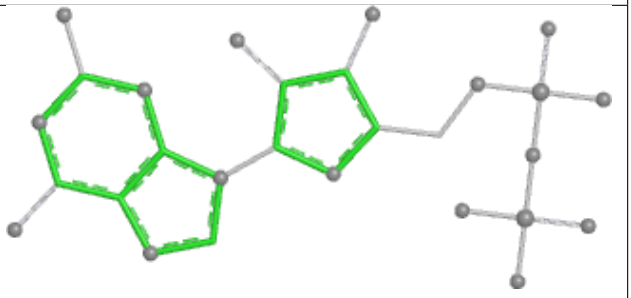
 Bond lengths	 Bond angles
 Torsions	 Rings

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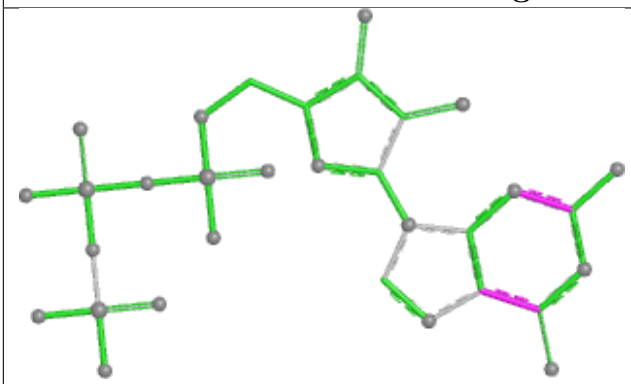

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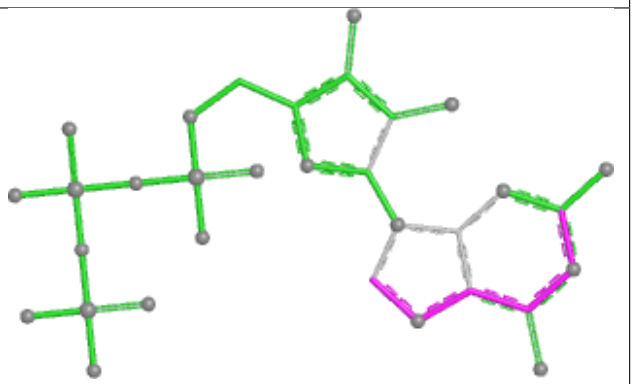

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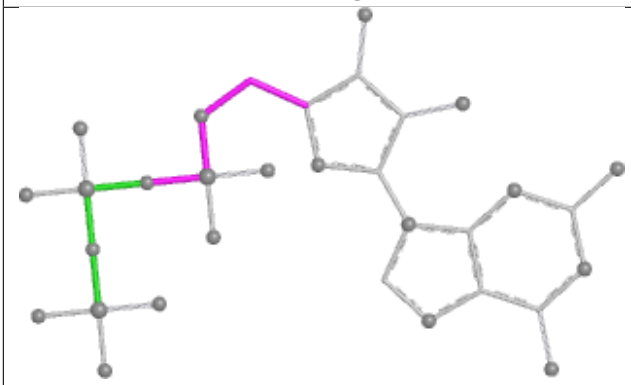

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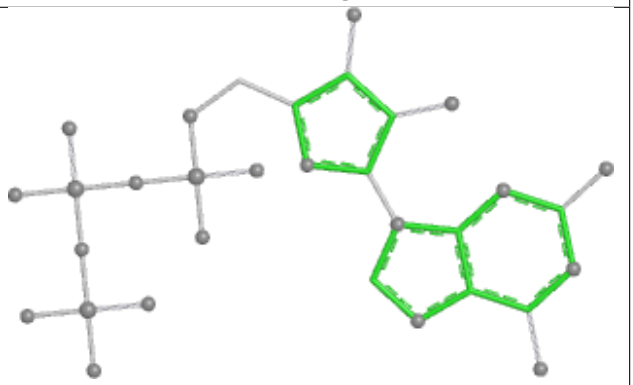
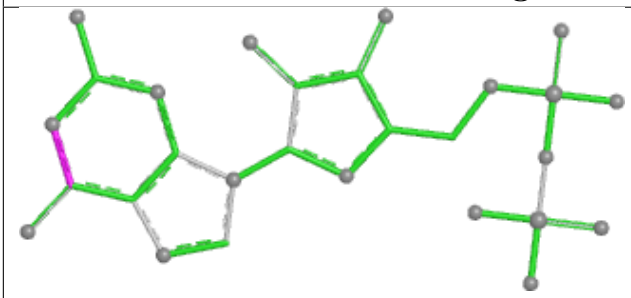


Rings

Ligand GDP R2 503



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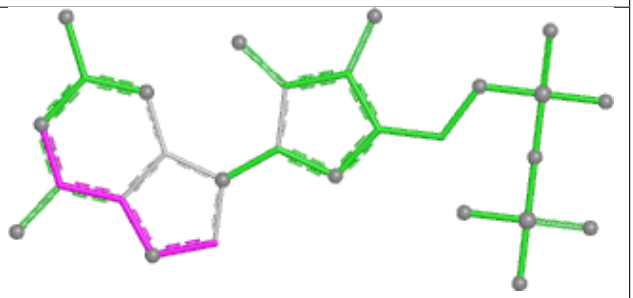

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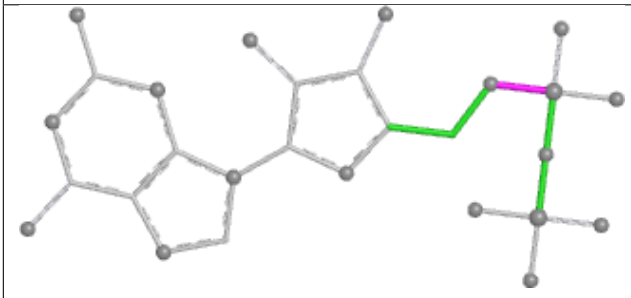

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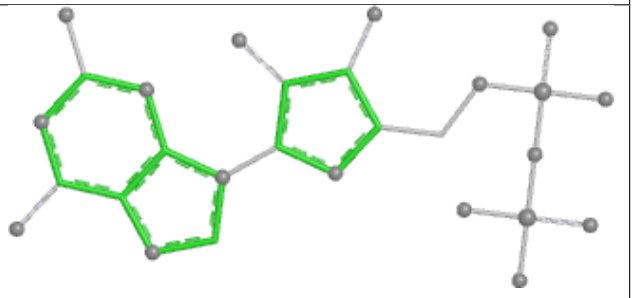

Rings

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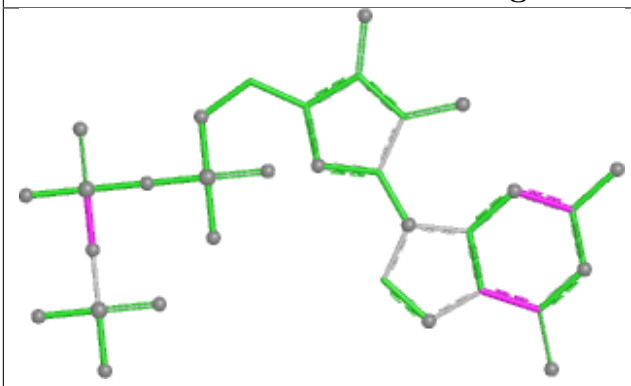

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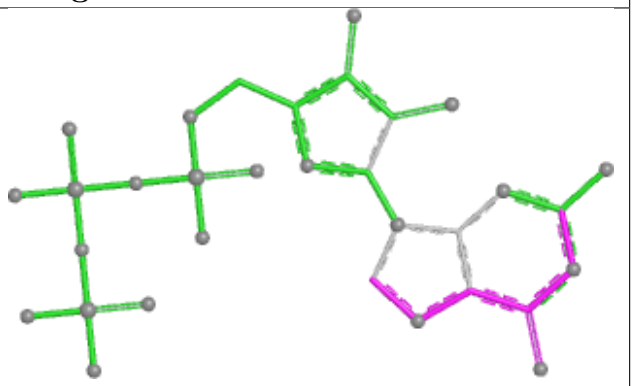

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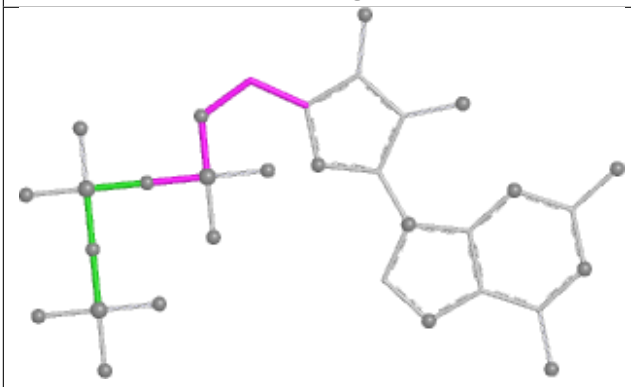

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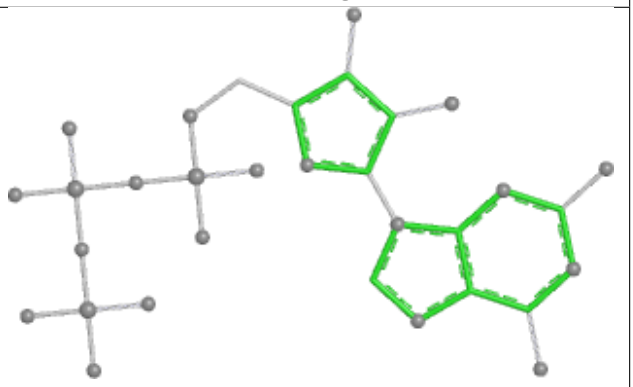

Rings

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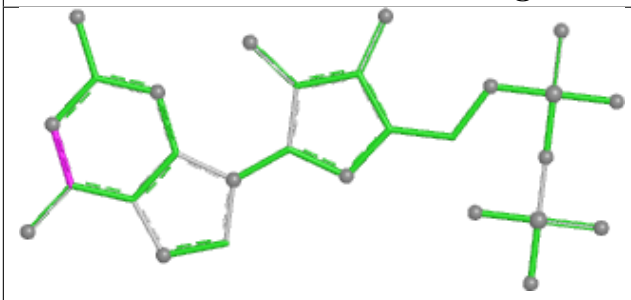

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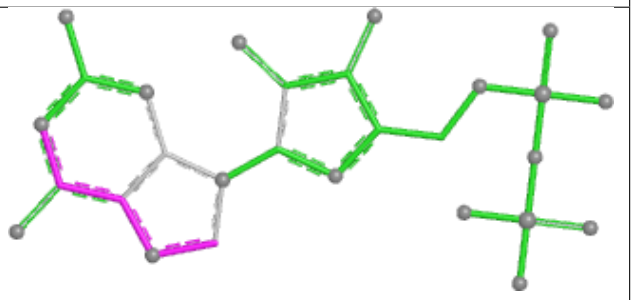

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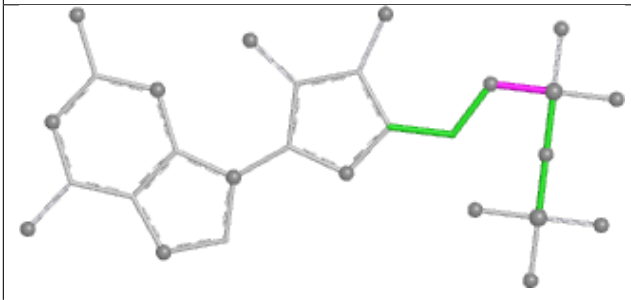

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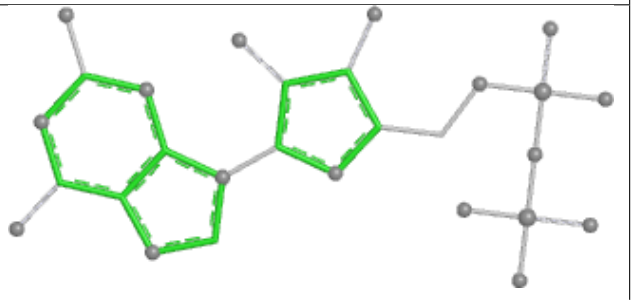
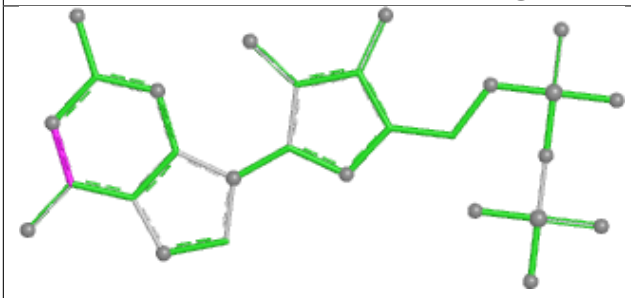
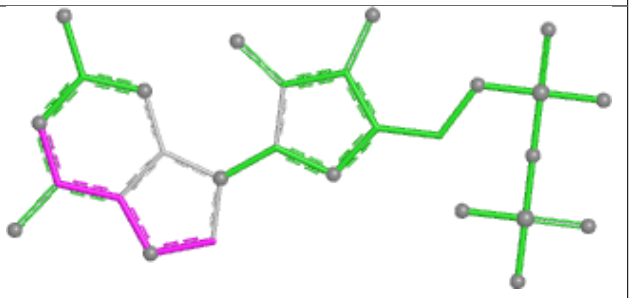
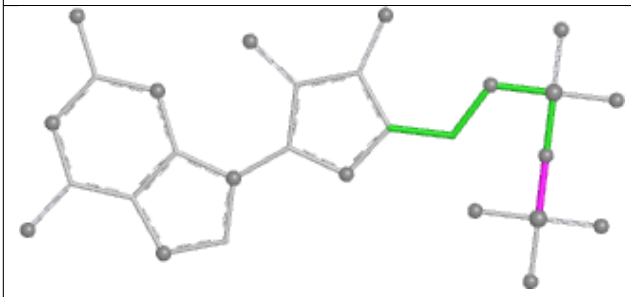
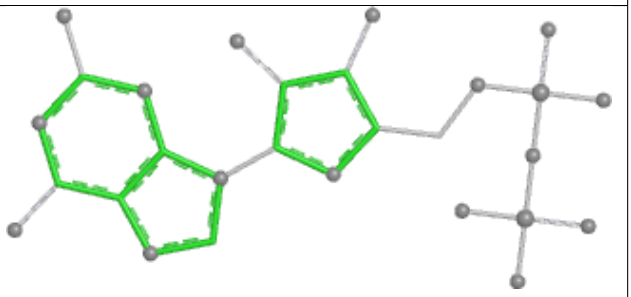
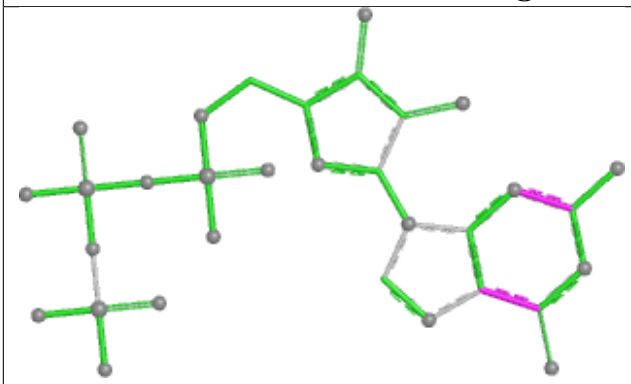
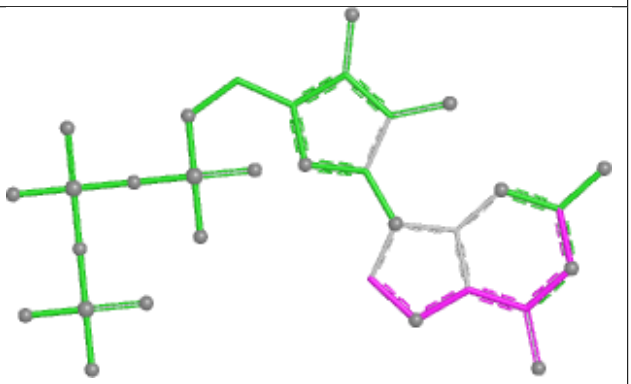
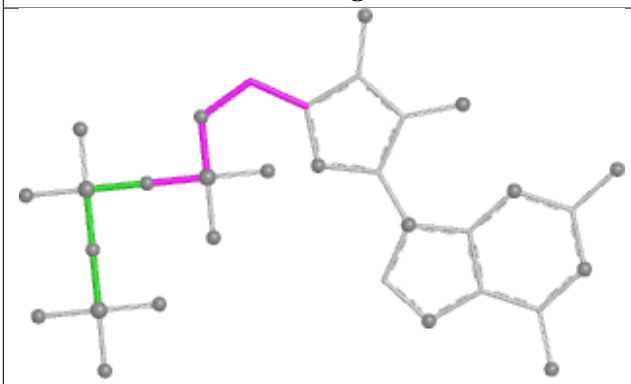
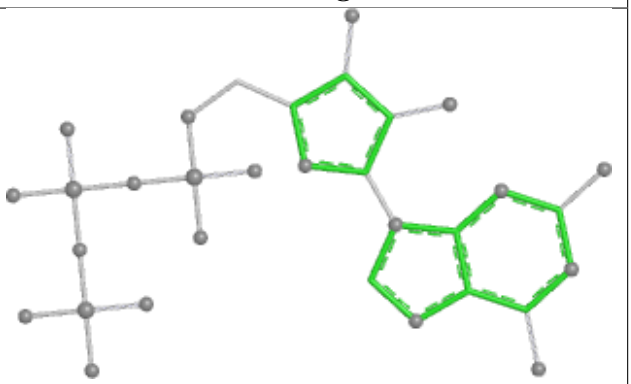
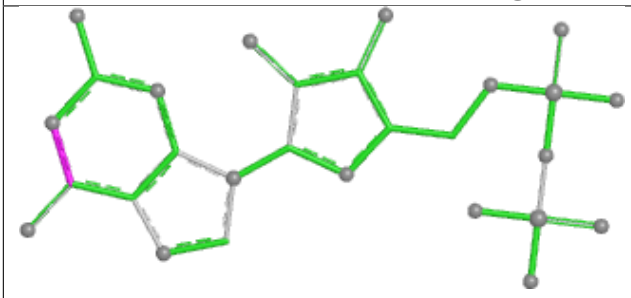


Rings

Ligand GDP C6 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Z2 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP EY 502



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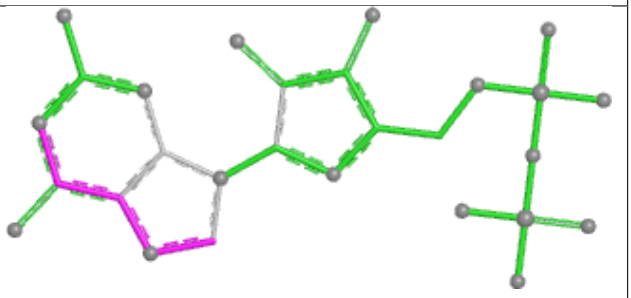

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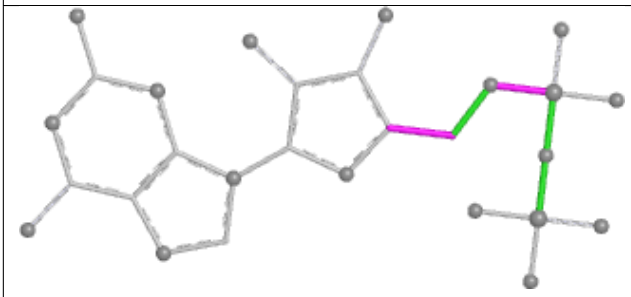

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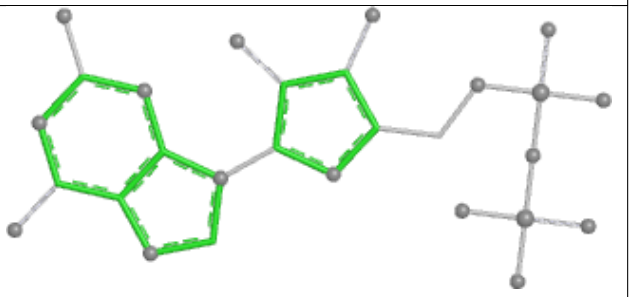
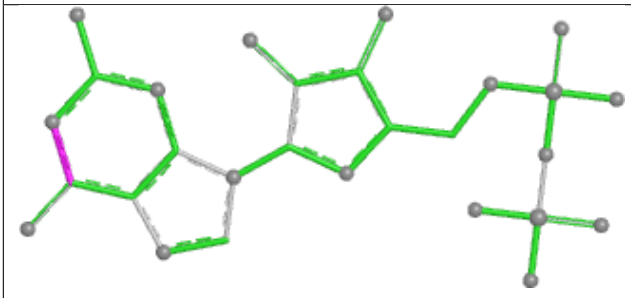


Rings

Ligand GDP KL 502



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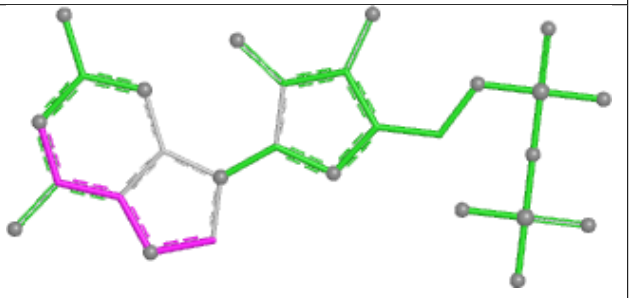

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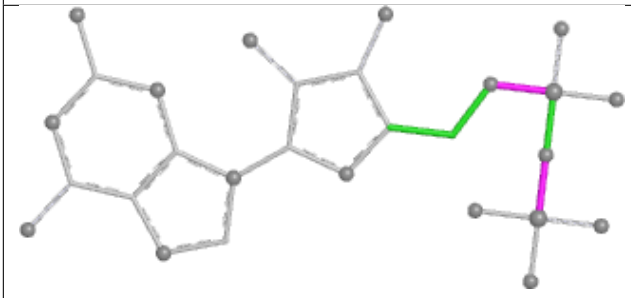

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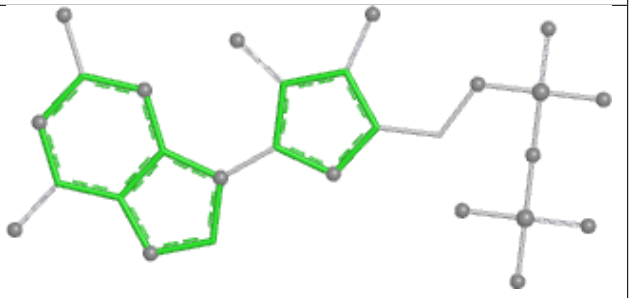
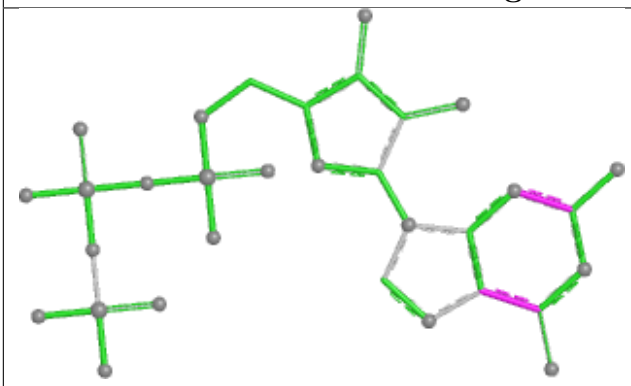


Rings

Ligand GTP MG 501



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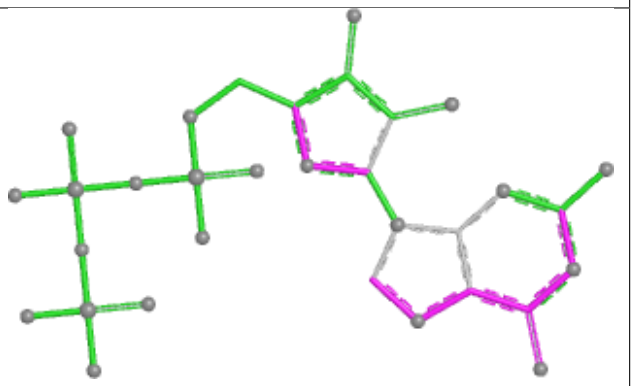

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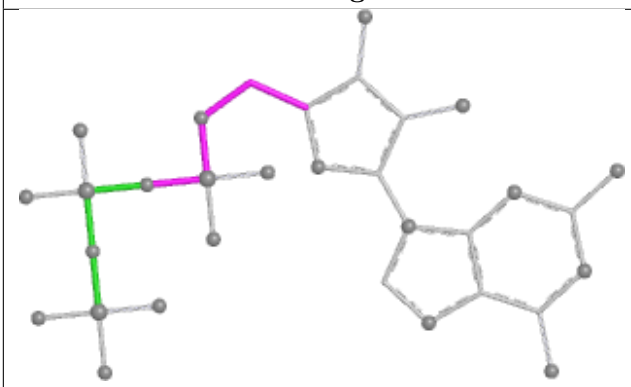

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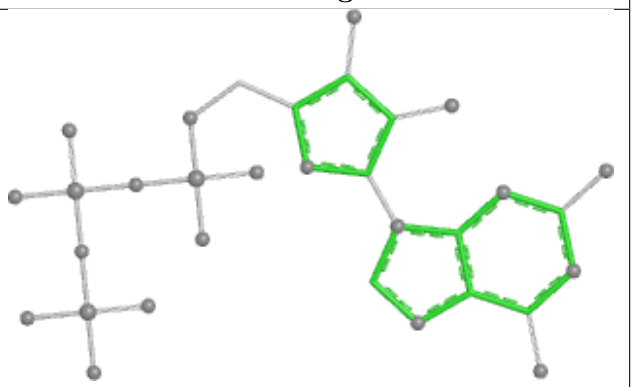
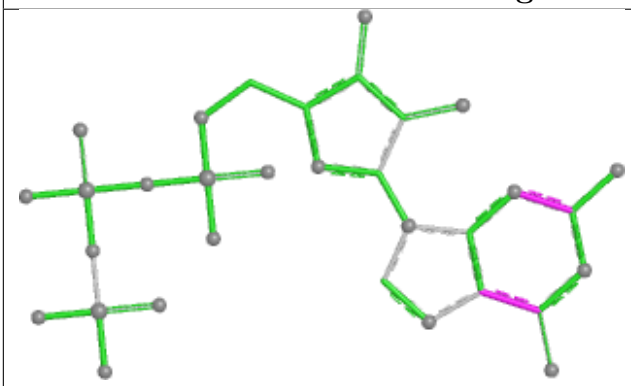


Rings

Ligand GTP L4 501



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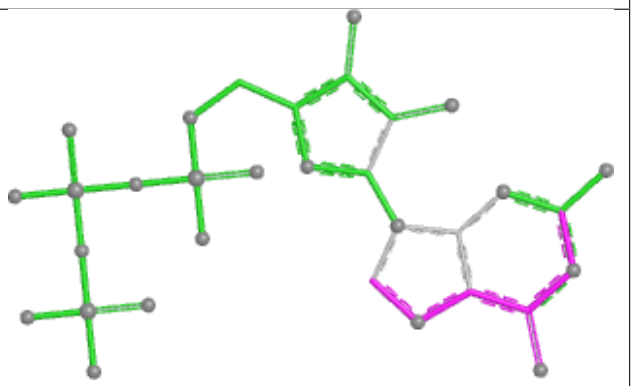

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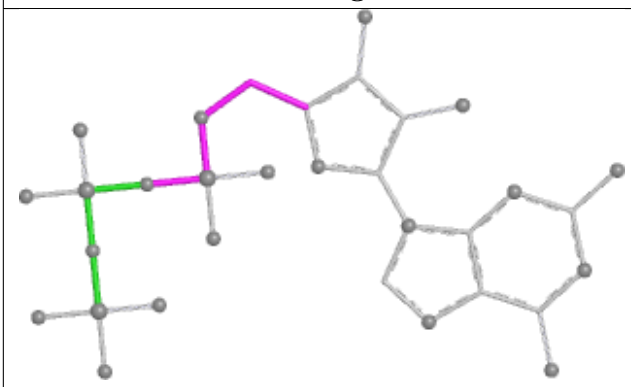

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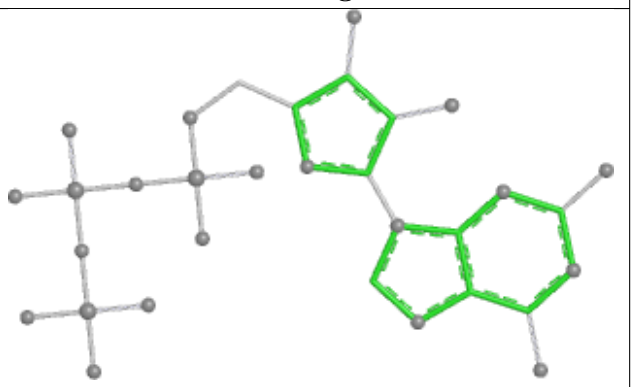
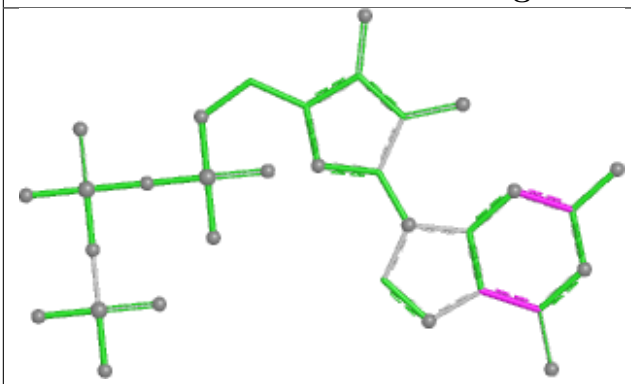


Rings

Ligand GTP Q6 501



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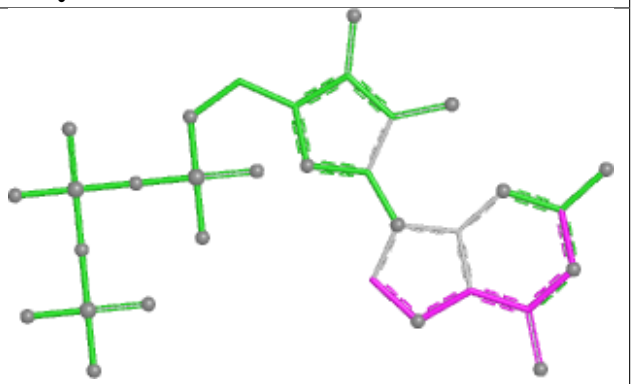

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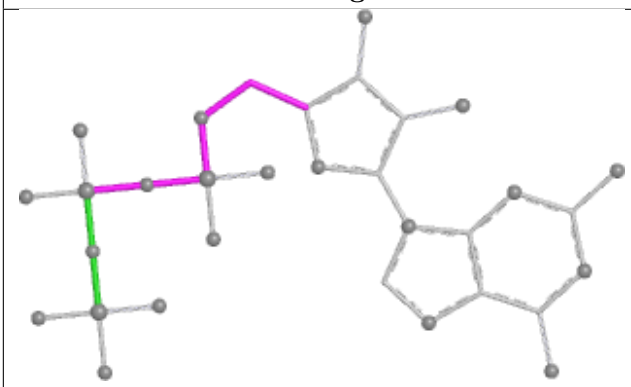

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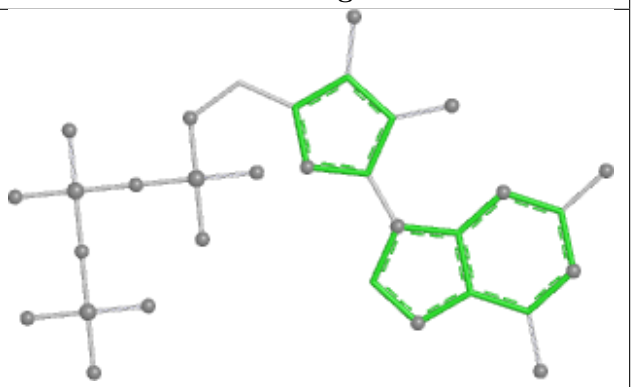
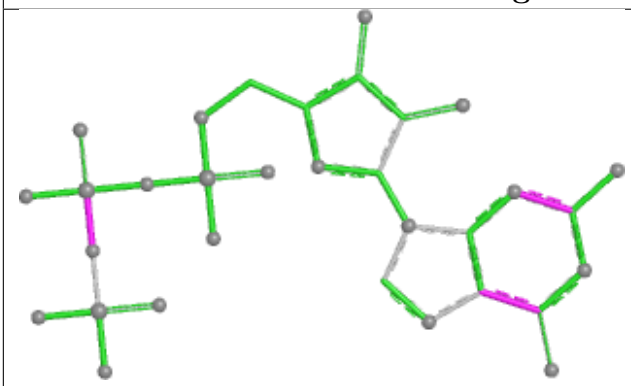


Rings

Ligand GTP G0 501



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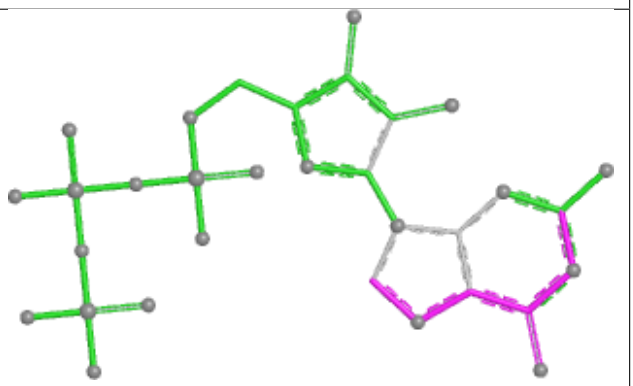

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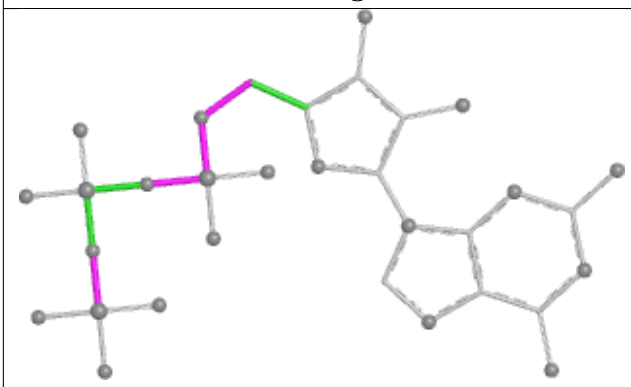

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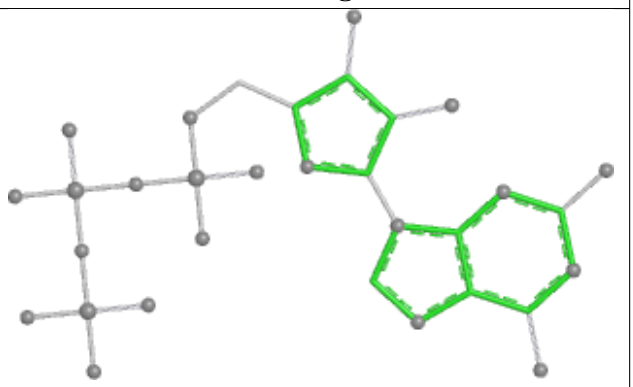

Rings

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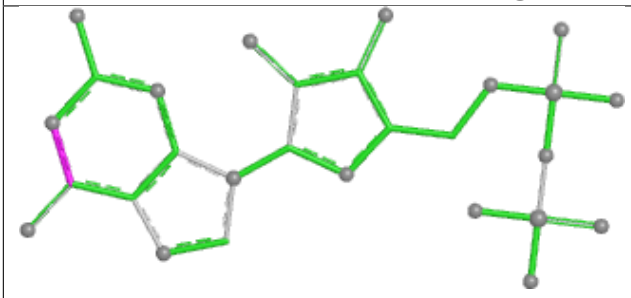

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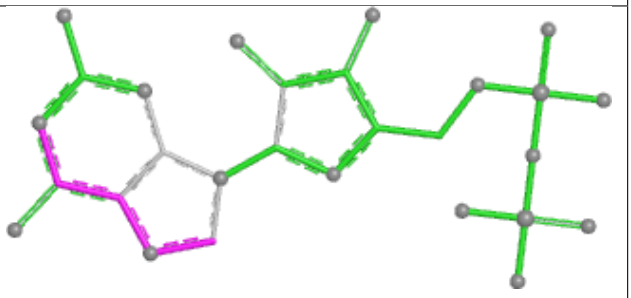

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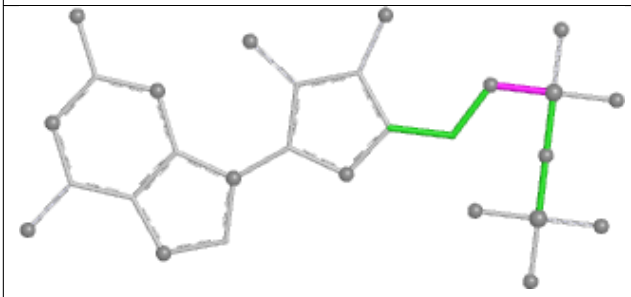

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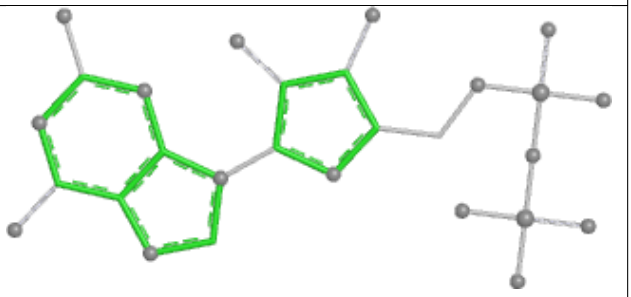

Rings

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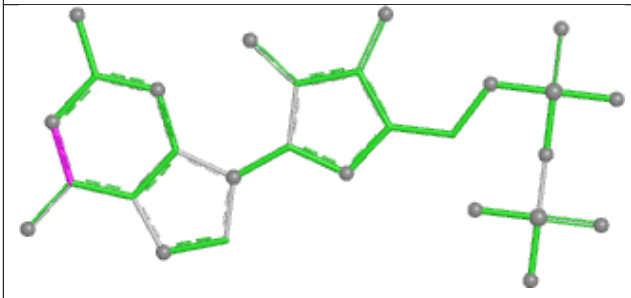

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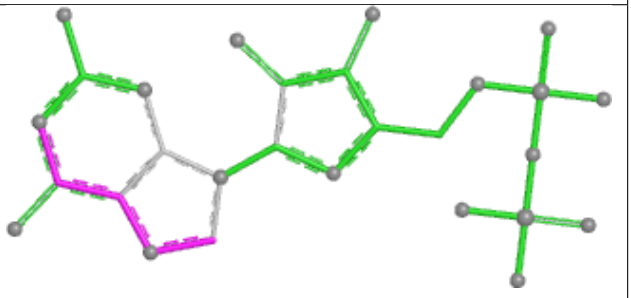

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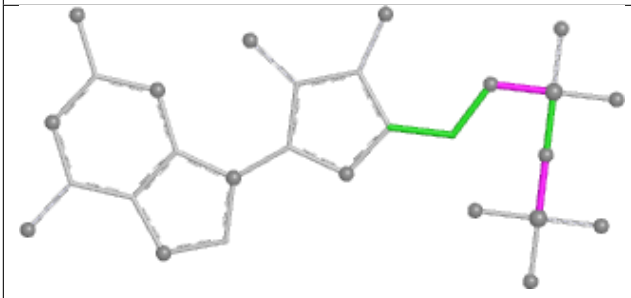

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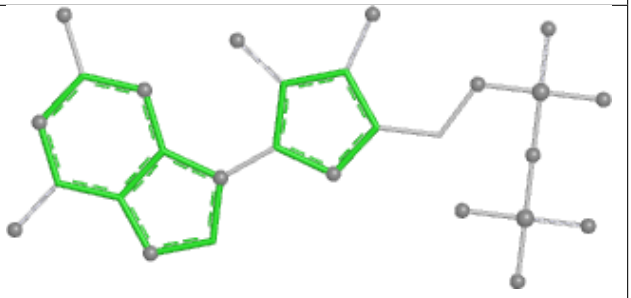
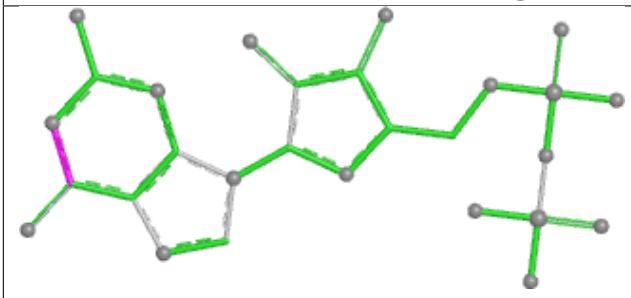
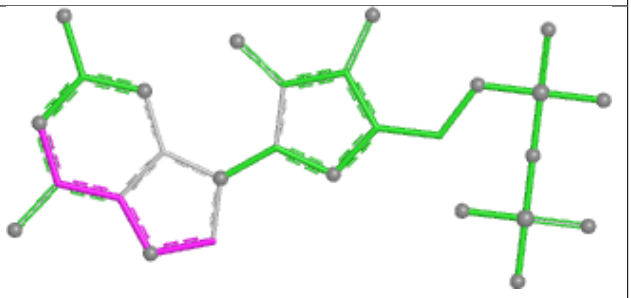
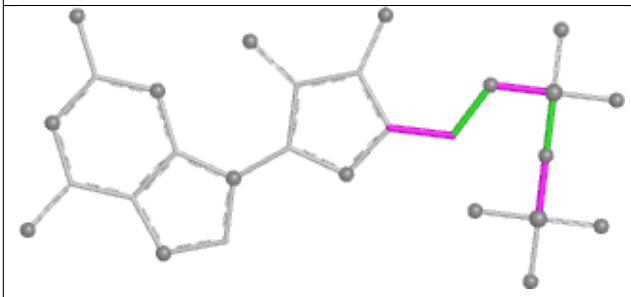
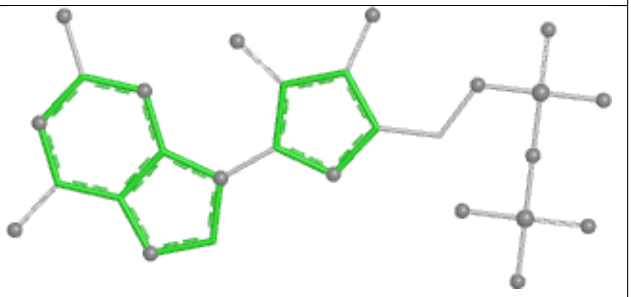


Rings

Ligand GDP JY 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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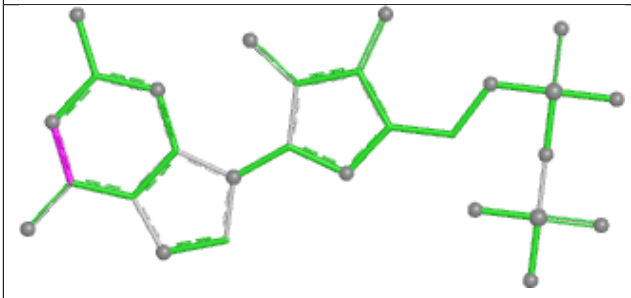
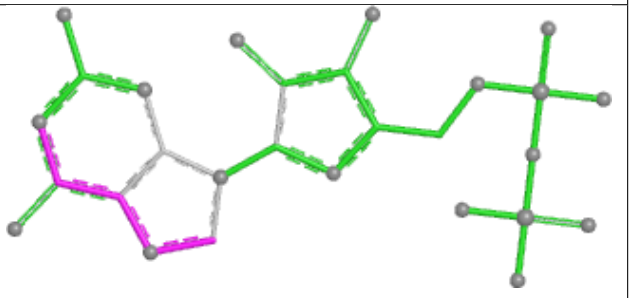
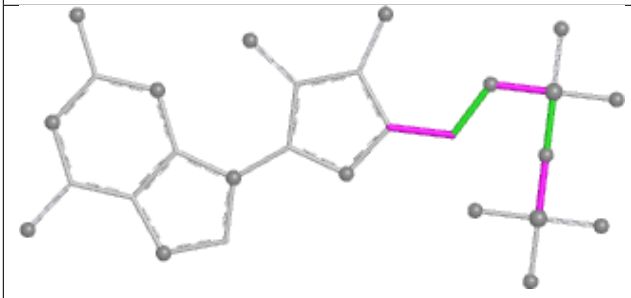
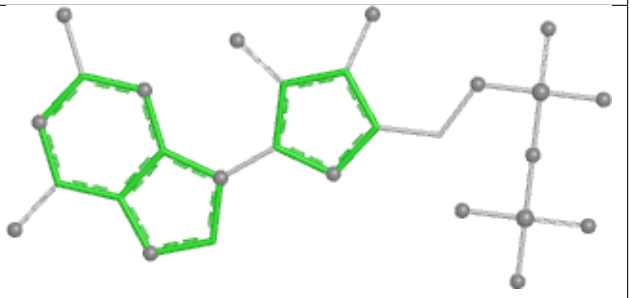
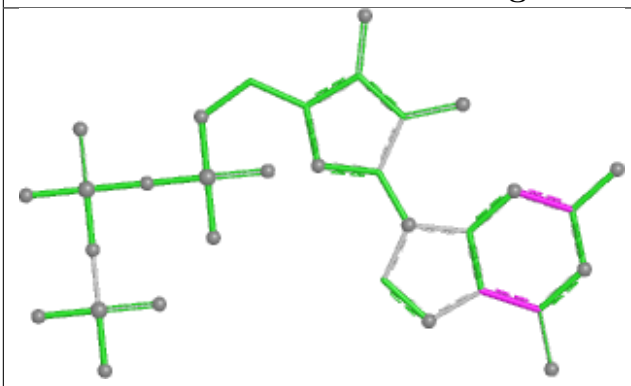
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP BH 501



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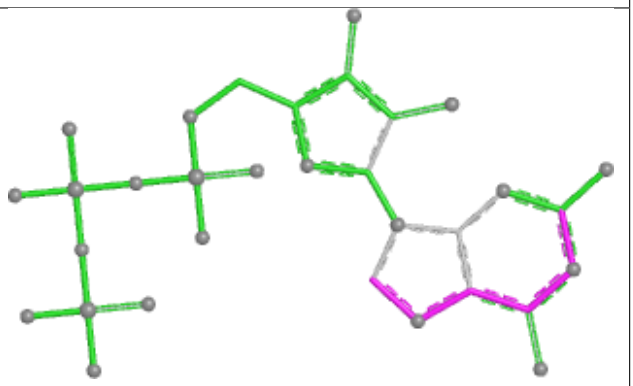

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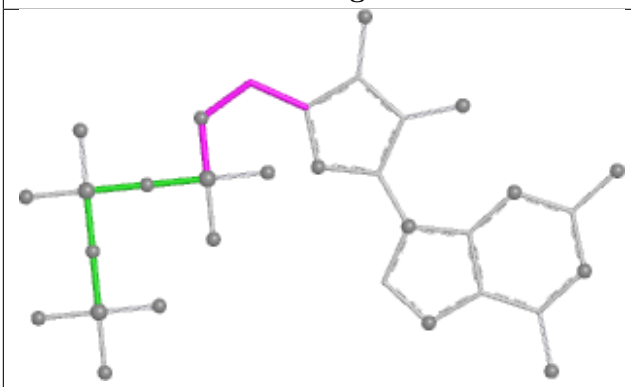

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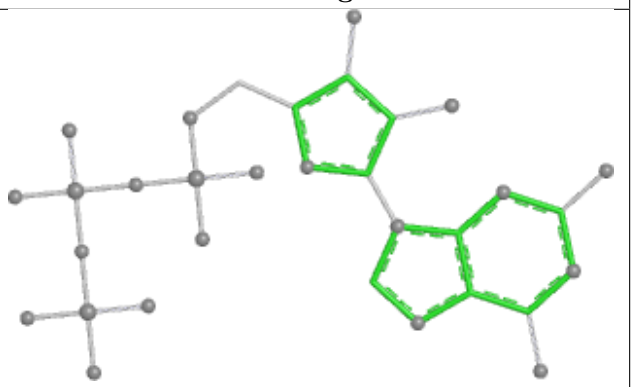
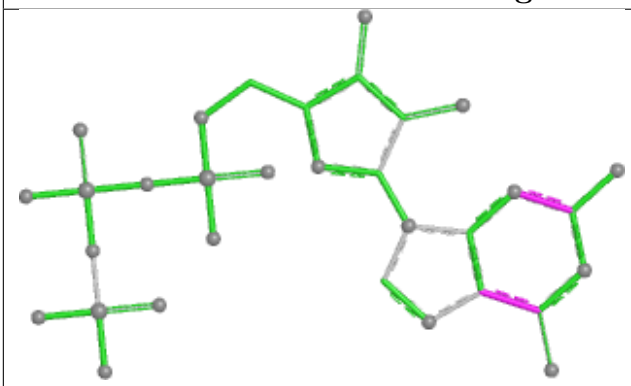


Rings

Ligand GTP Fk 501



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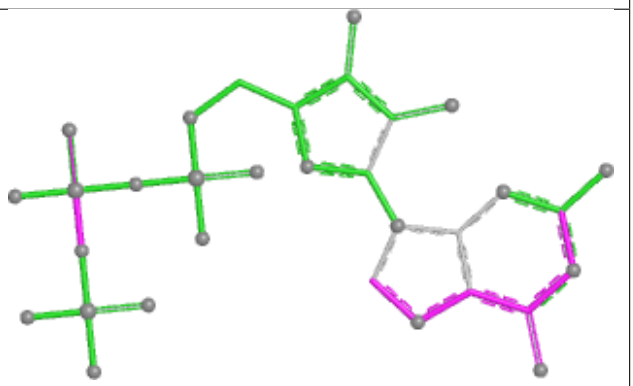

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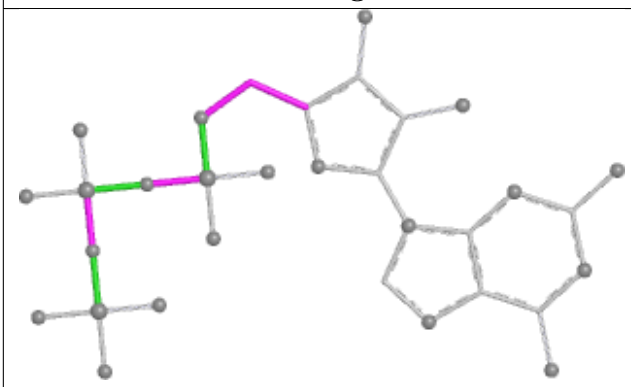

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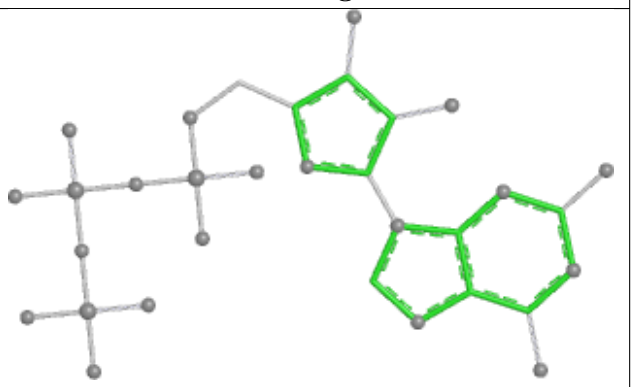
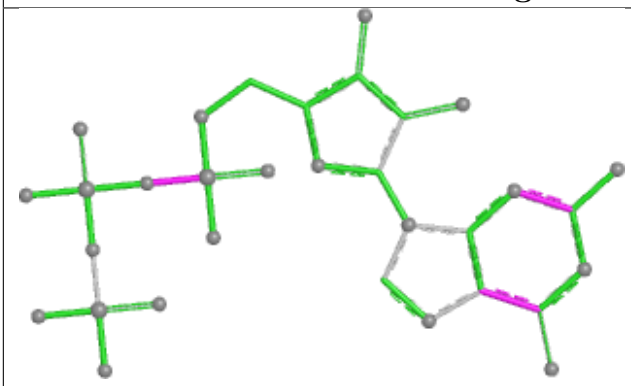
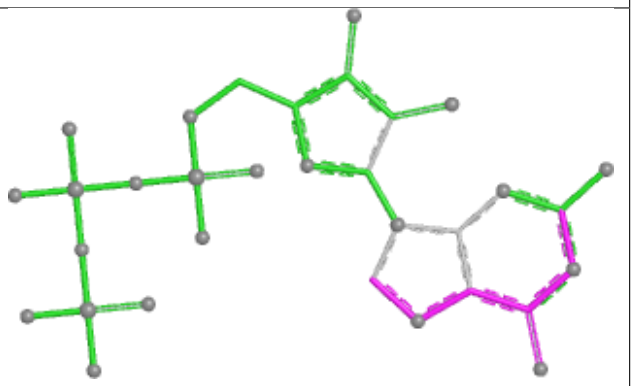


Rings

Ligand GTP P8 501



Bond lengths



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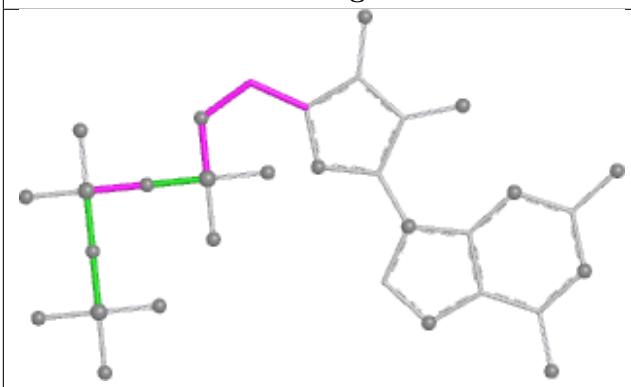
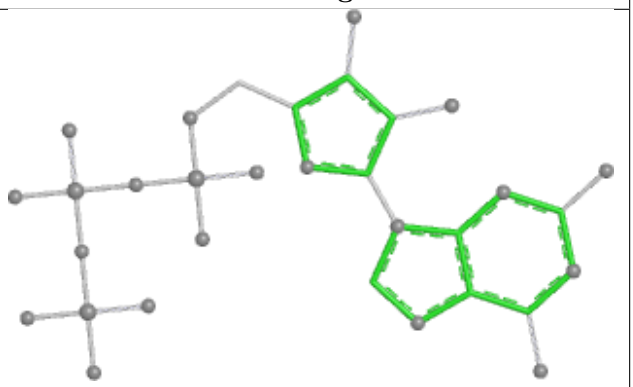
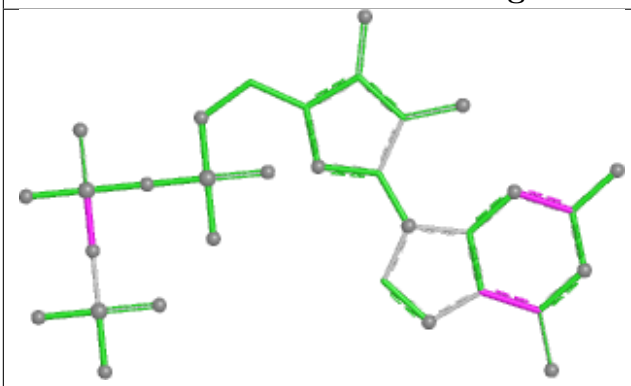


Torsions



Rings

Ligand GTP KH 501



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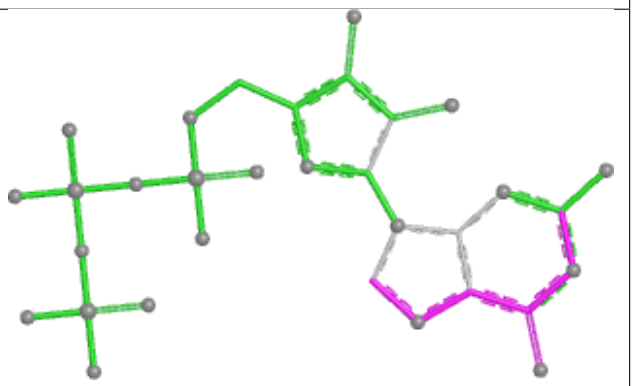

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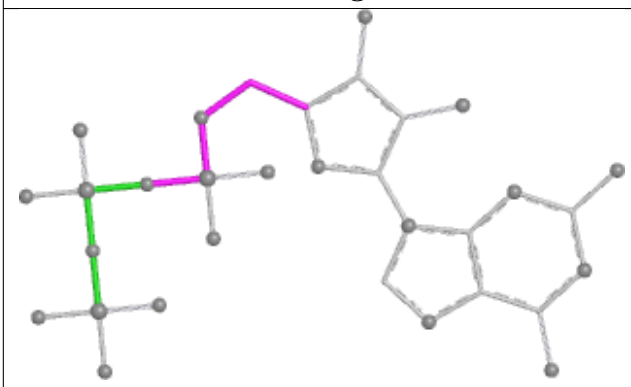

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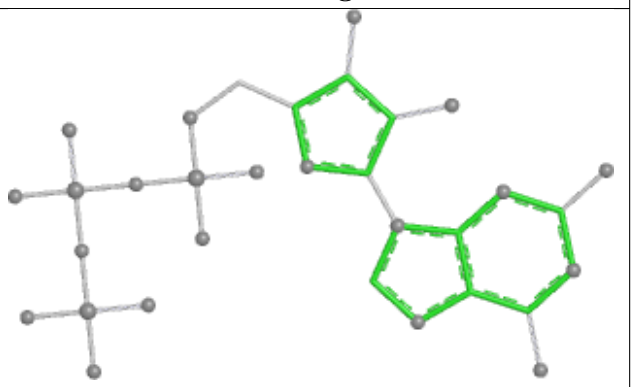
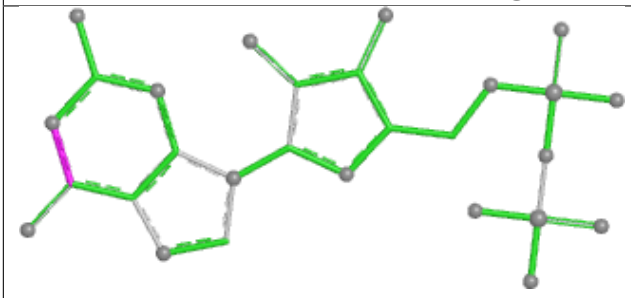
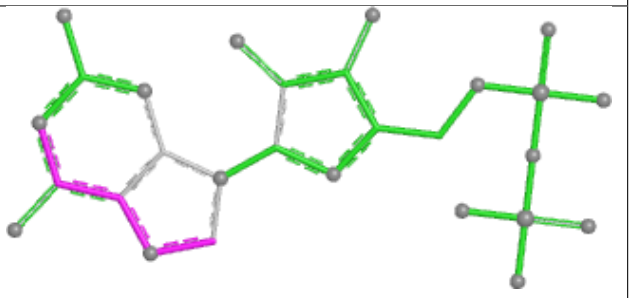
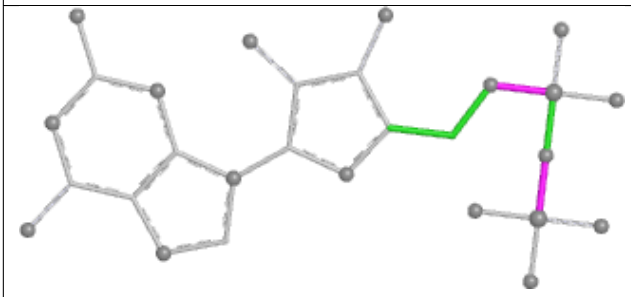
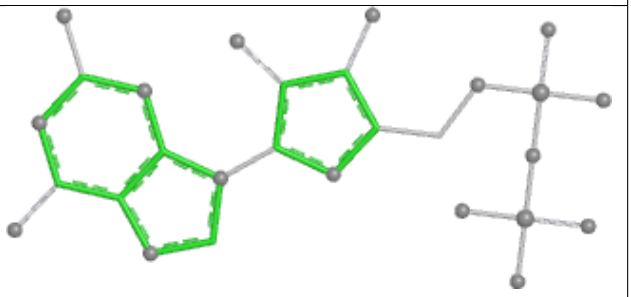
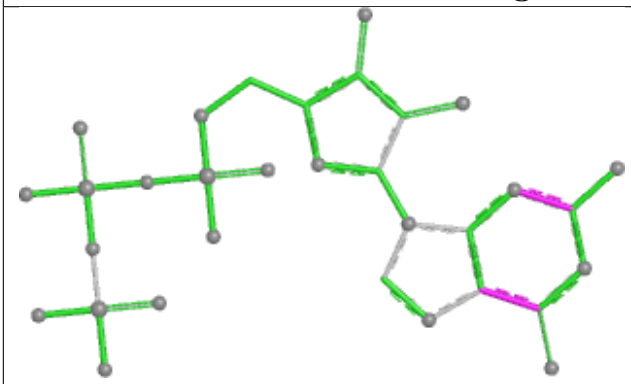
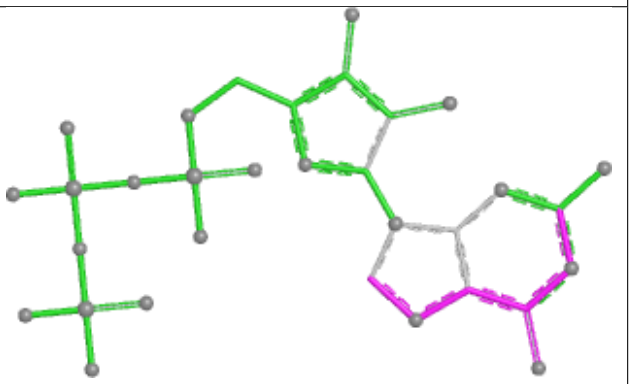
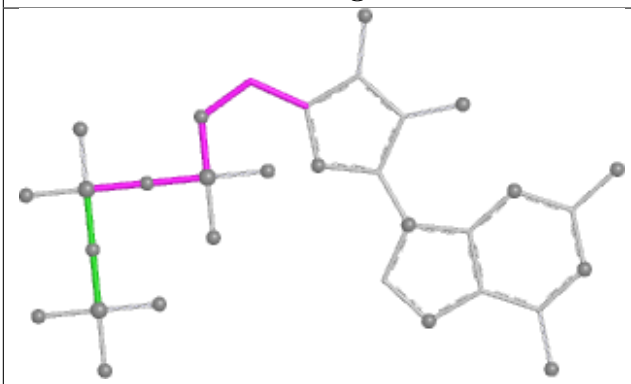
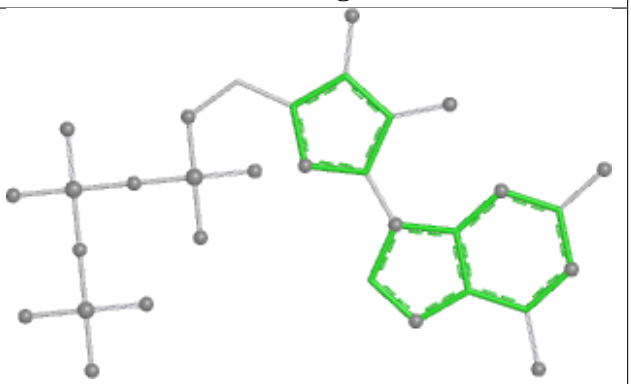
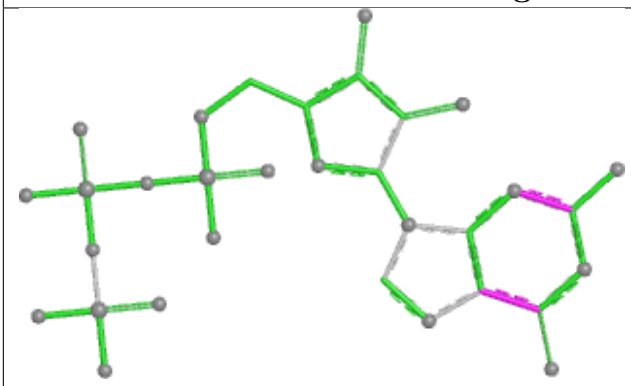


Rings

Ligand GDP CR 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP U9 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Cx 501



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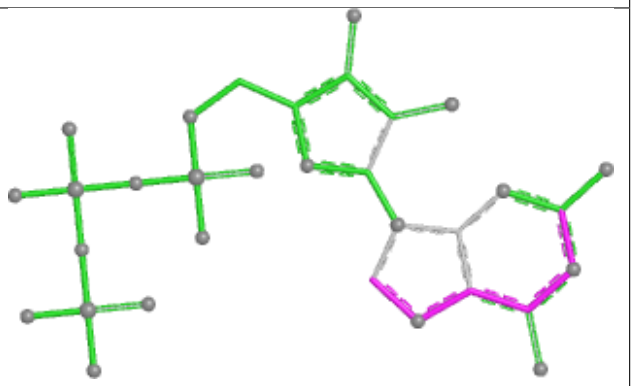

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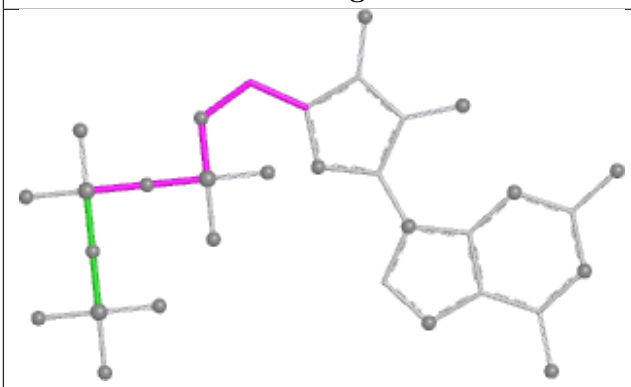

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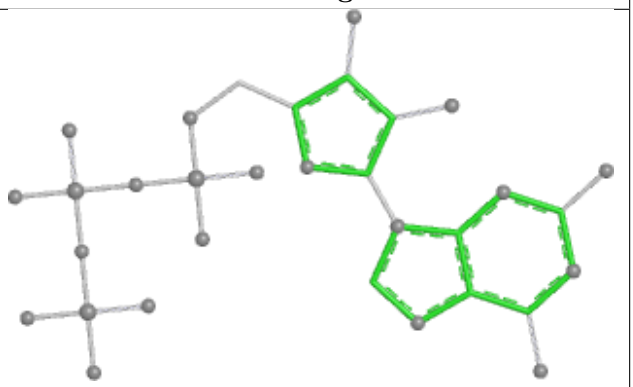
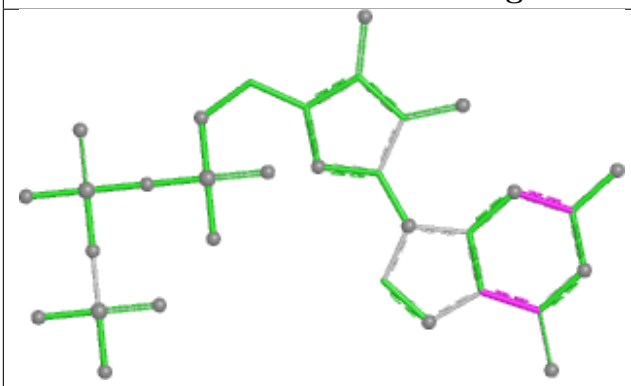


Rings

Ligand GTP CM 502



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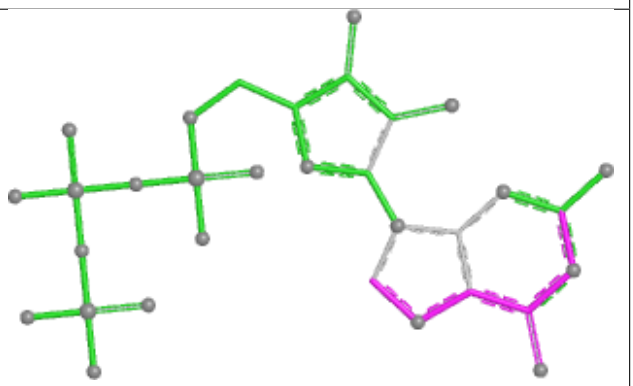

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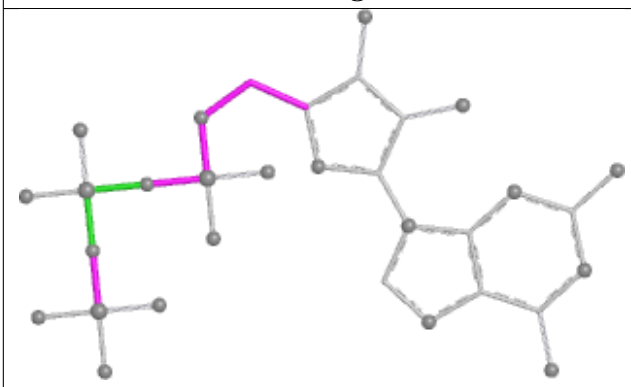

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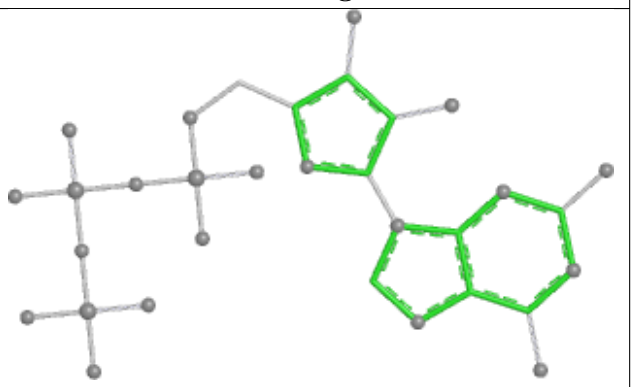
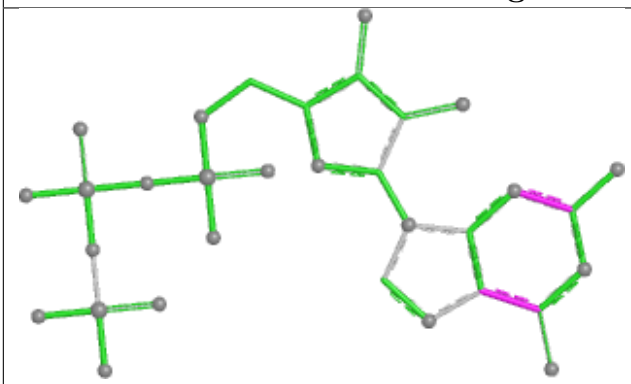


Rings

Ligand GTP GD 501



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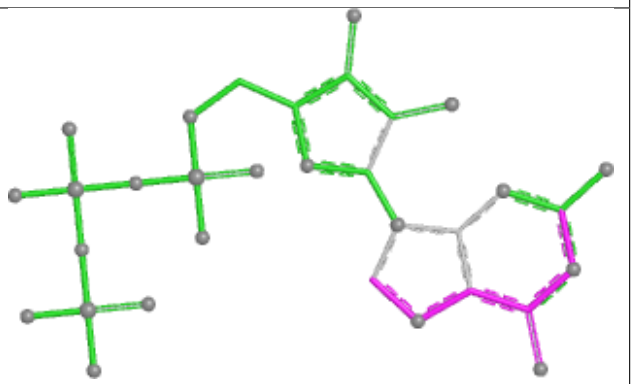

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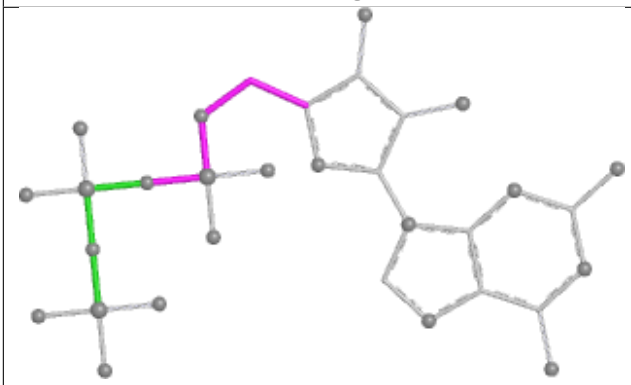

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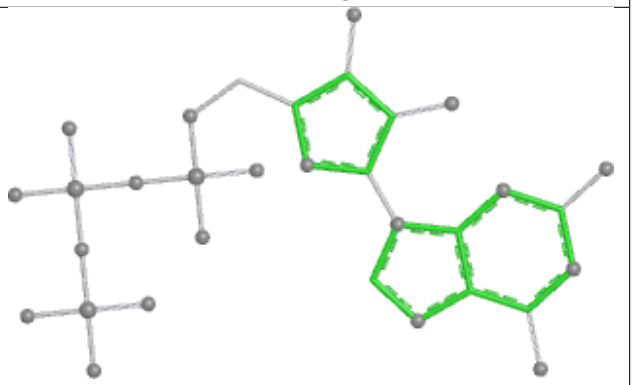
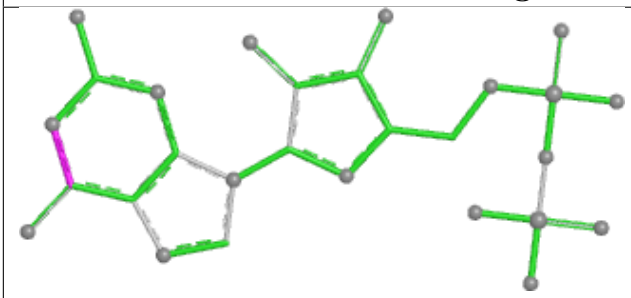


Rings

Ligand GDP Lh 502



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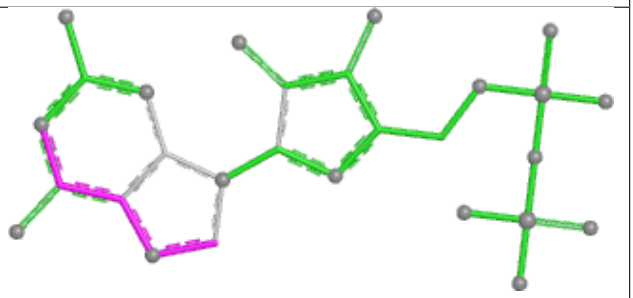

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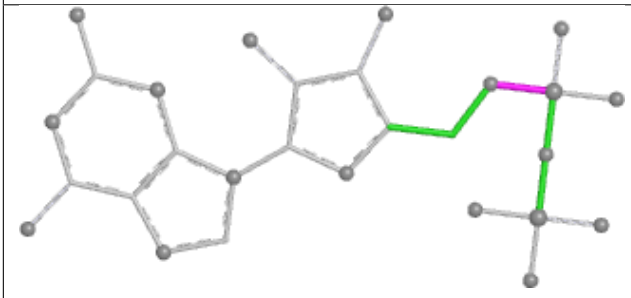

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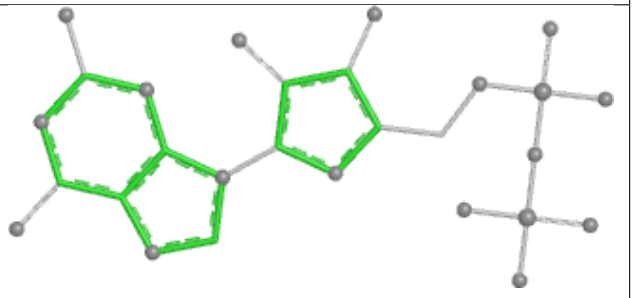
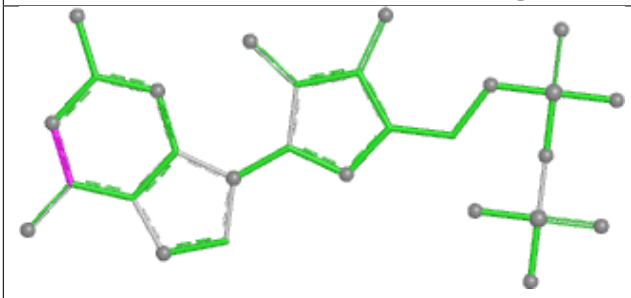
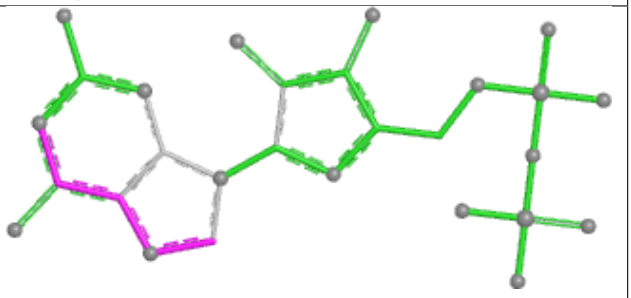
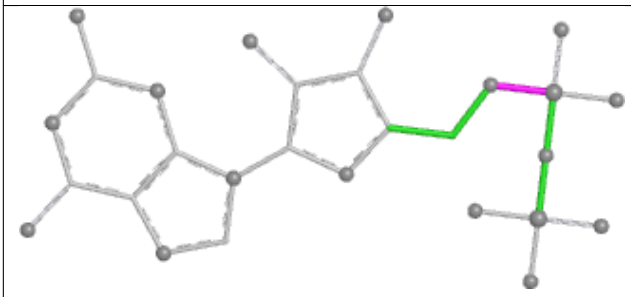
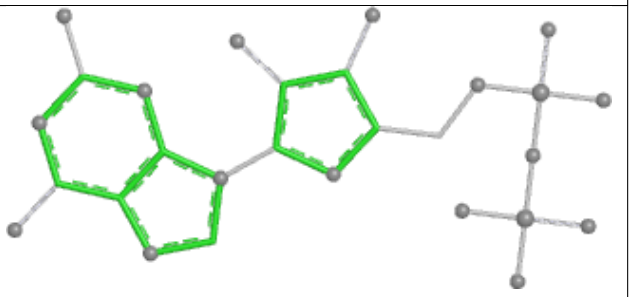


Rings

Ligand GDP 3Q 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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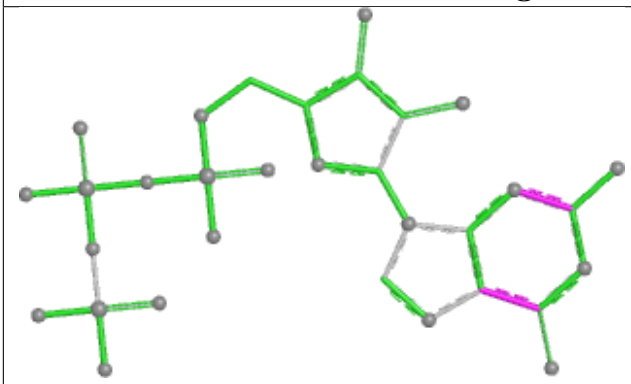
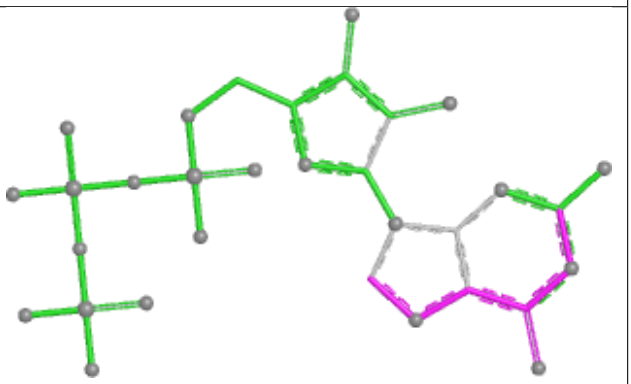
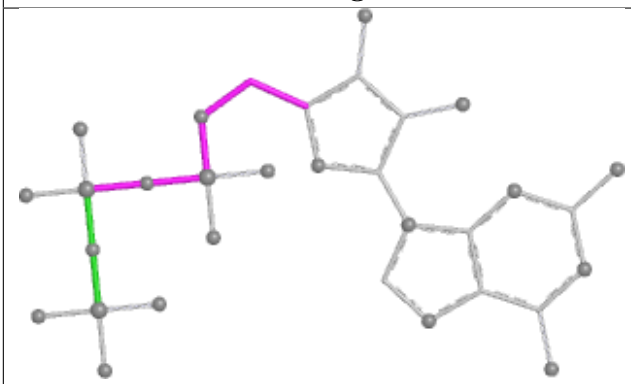
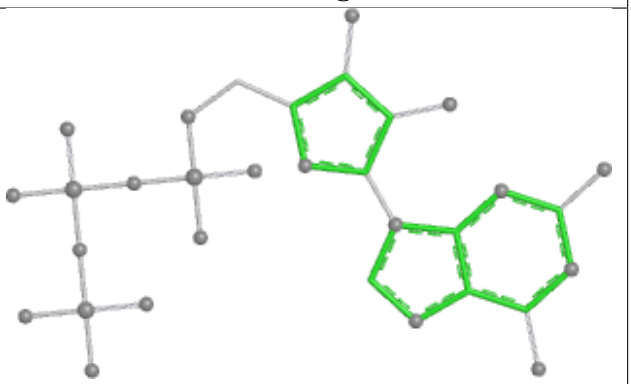
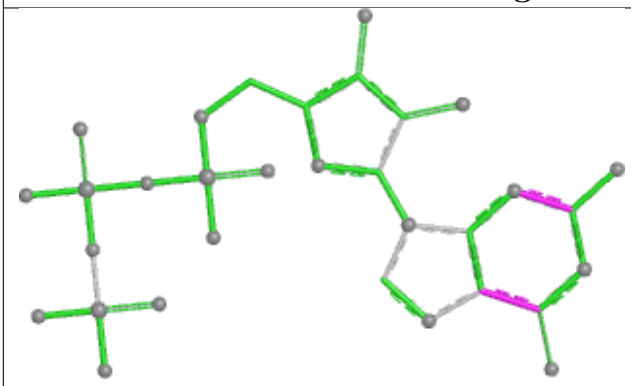
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP C8 501



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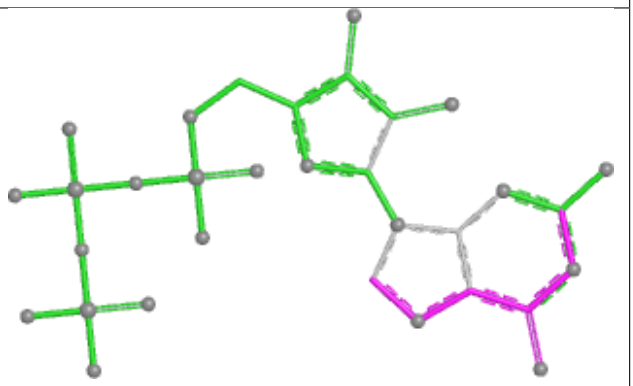
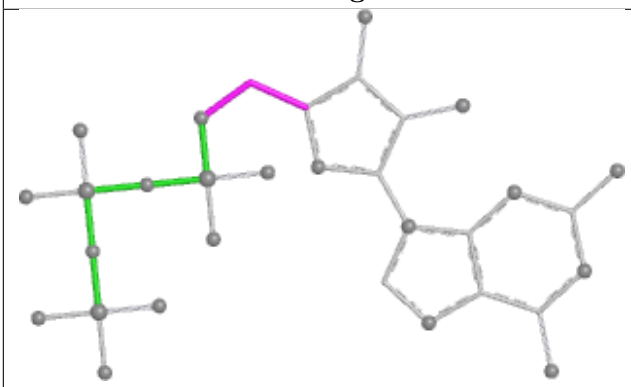
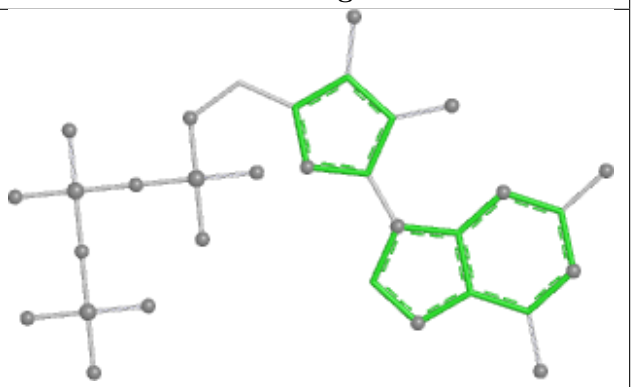


Bond angles

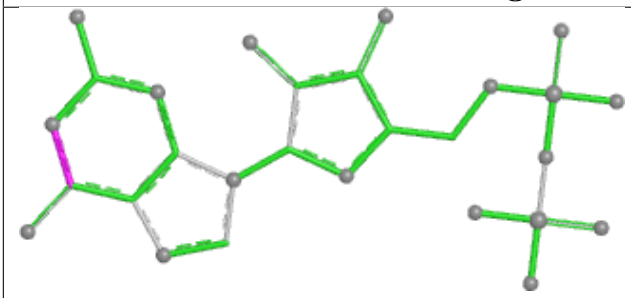


Torsions



Rings

Ligand GDP KY 502



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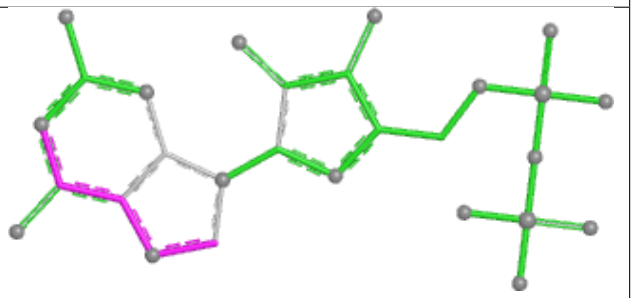
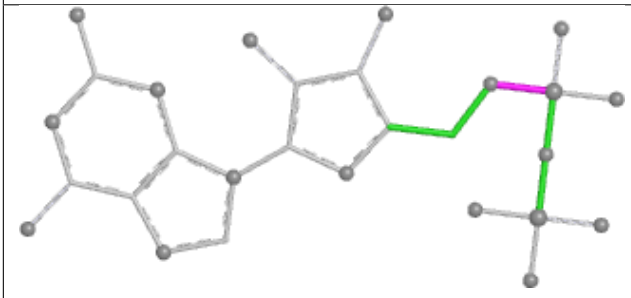


Bond angles



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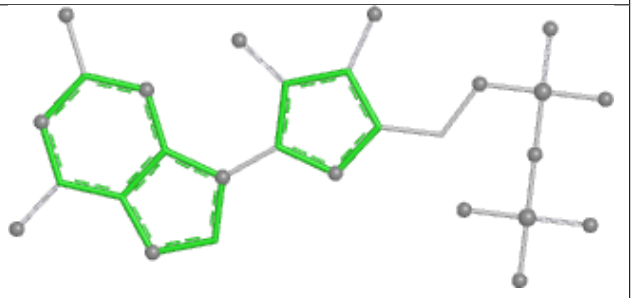
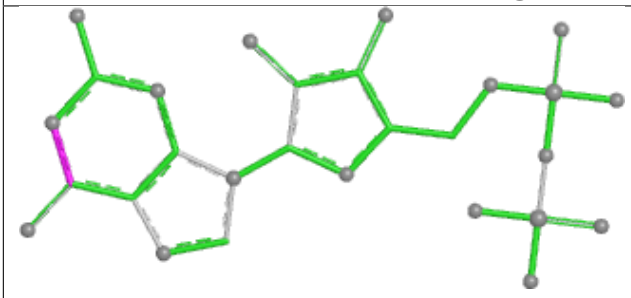
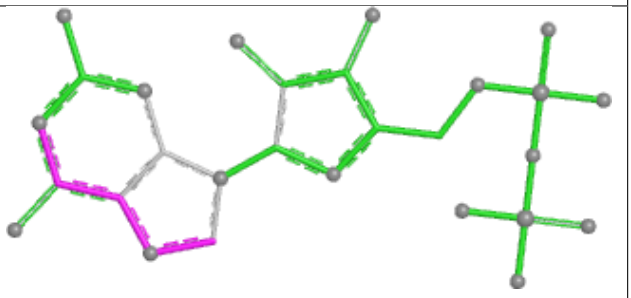
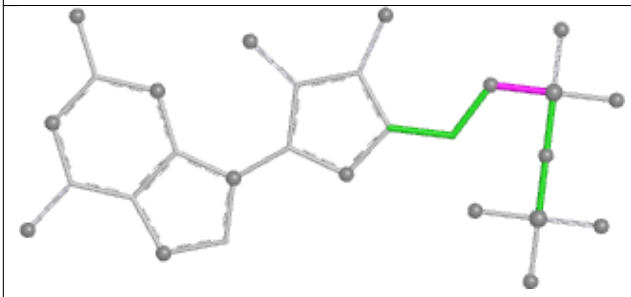
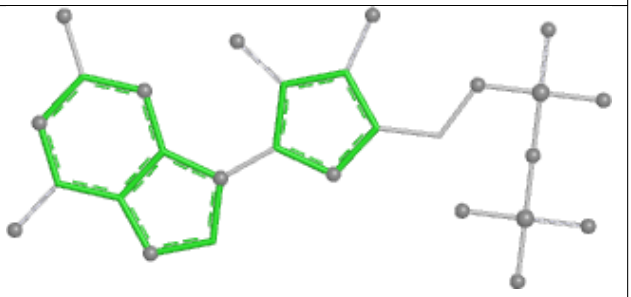


Rings

Ligand GDP Ah 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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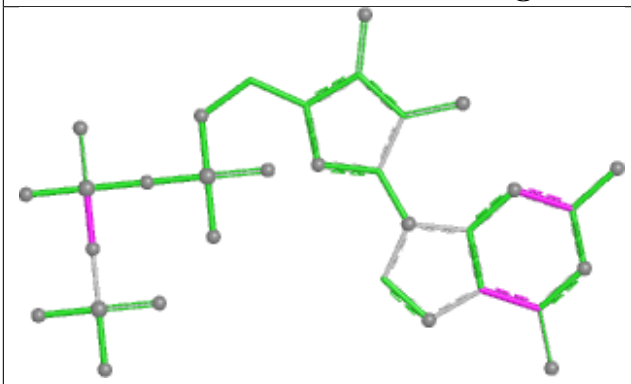
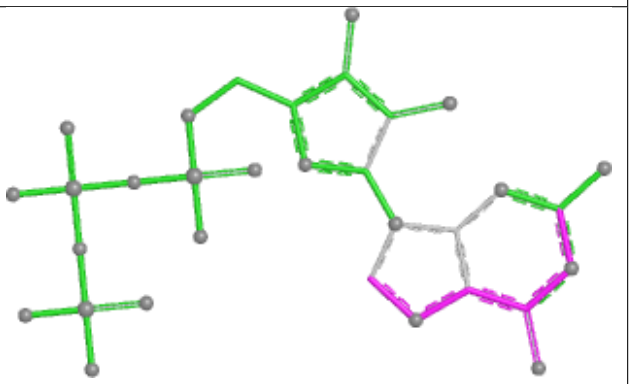
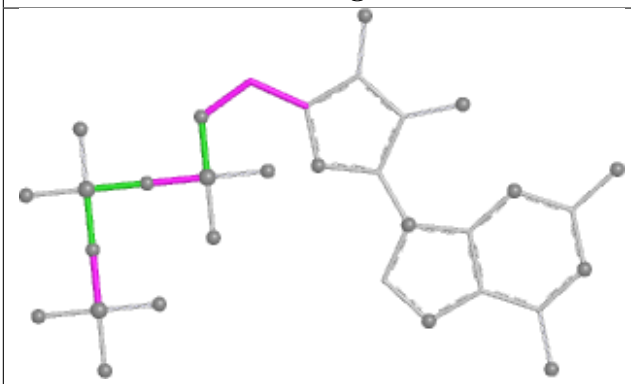
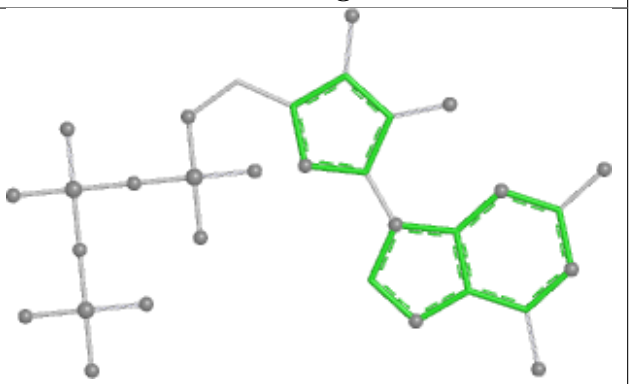
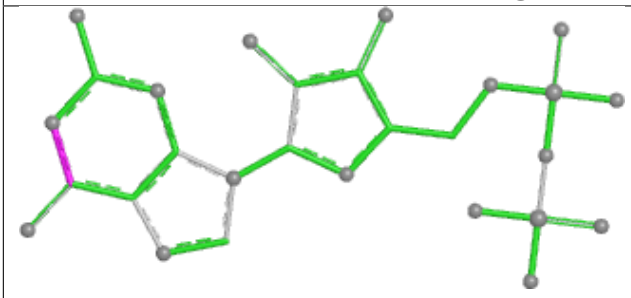
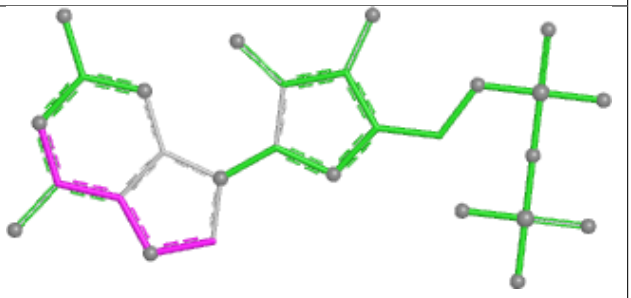
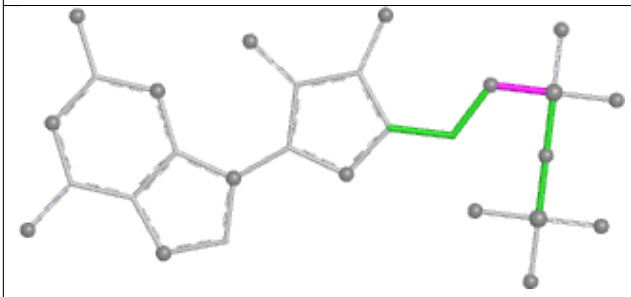
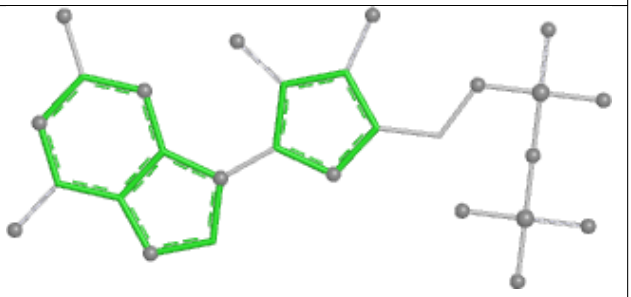
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Y2 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

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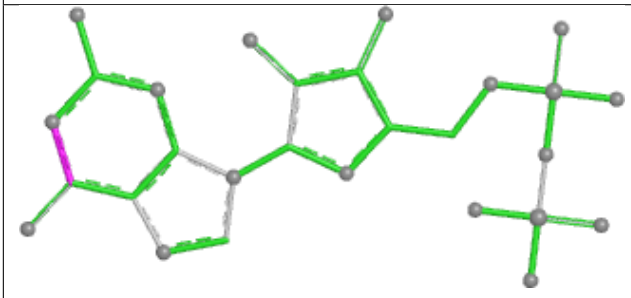
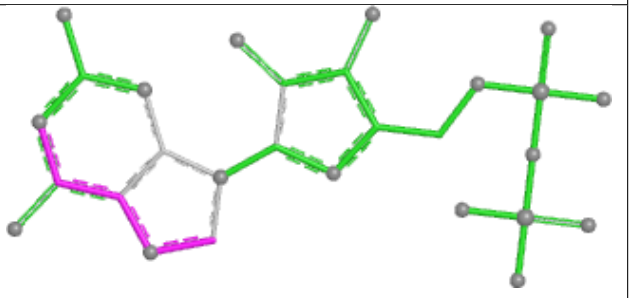
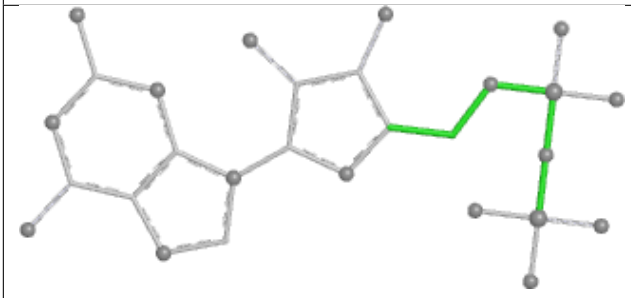
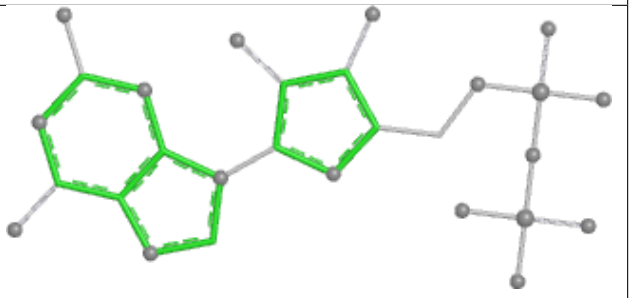
 Bond lengths	 Bond angles
 Torsions	 Rings

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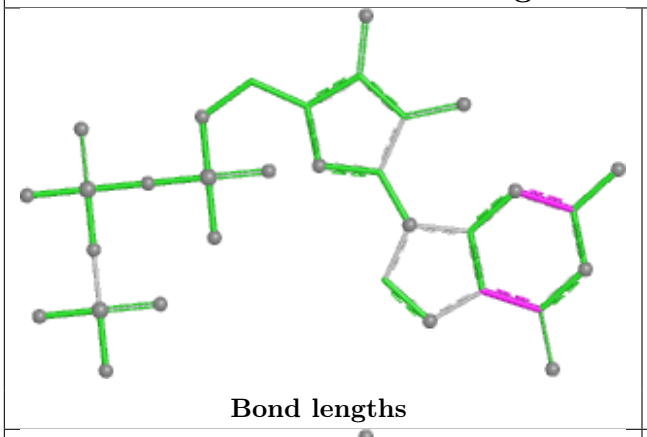

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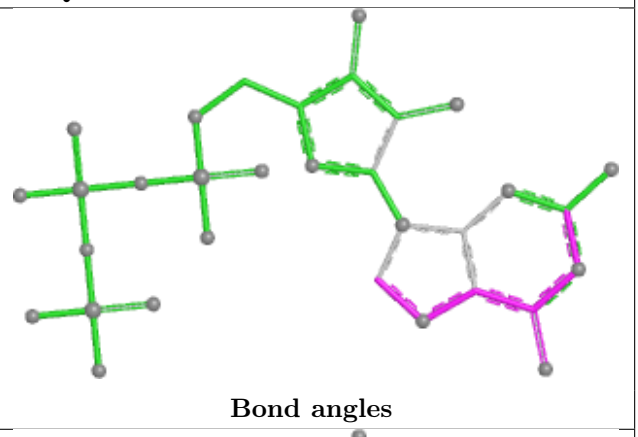

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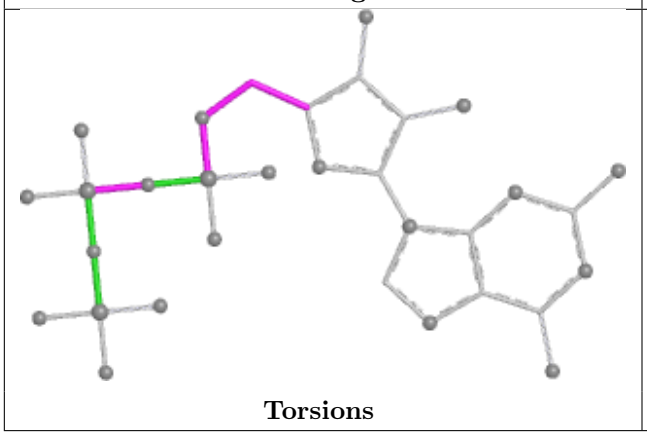

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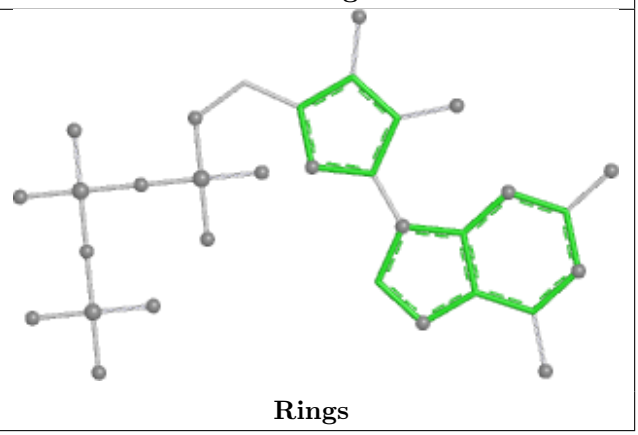

Rings

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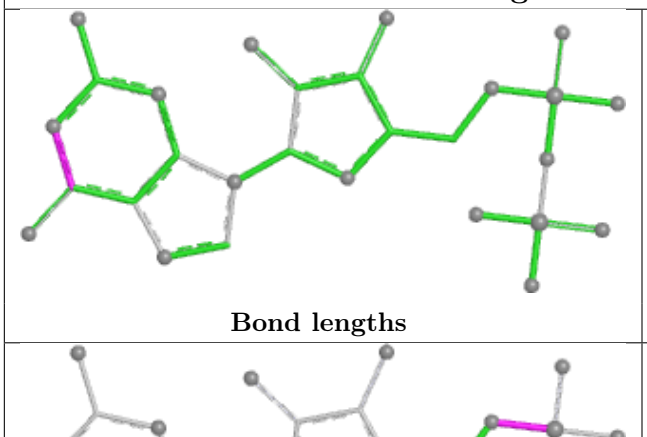

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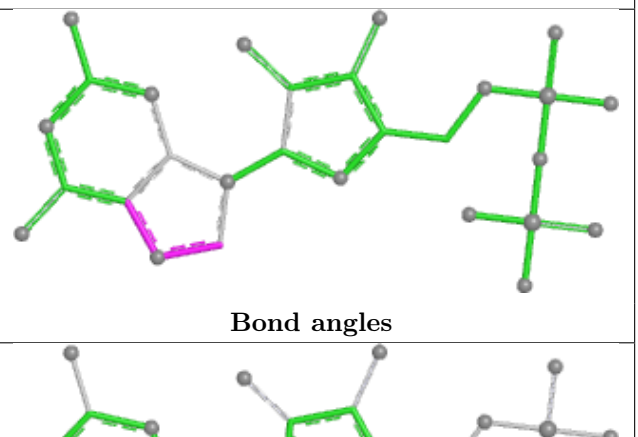

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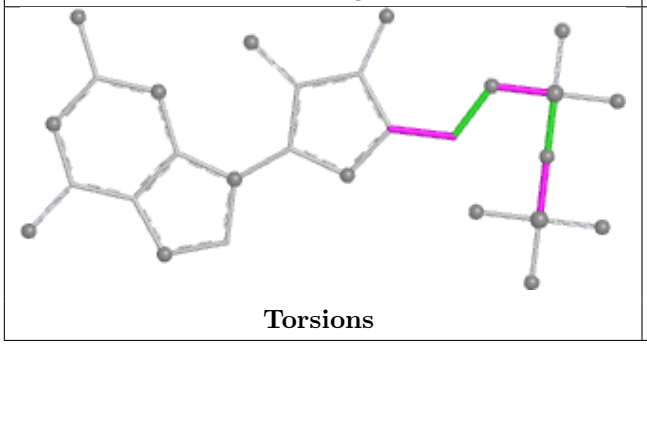

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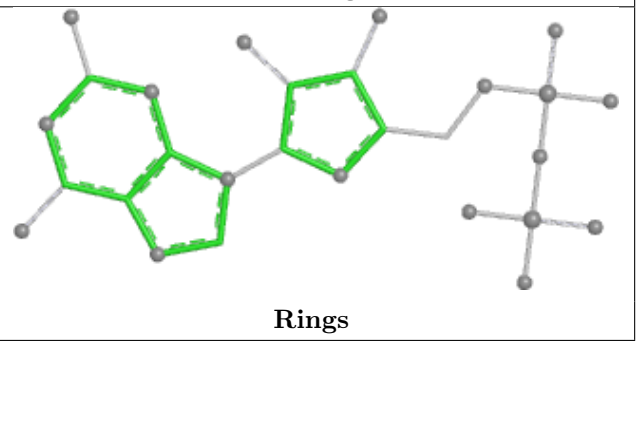

Rings

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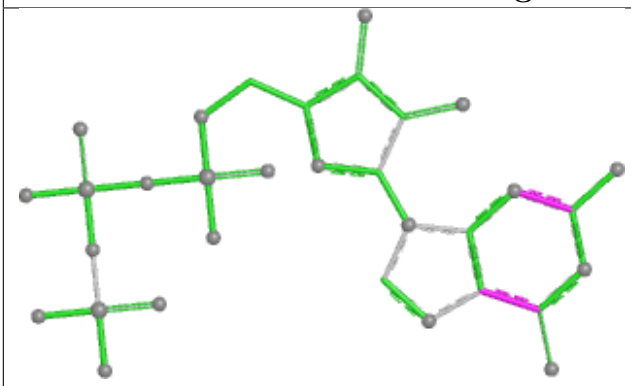

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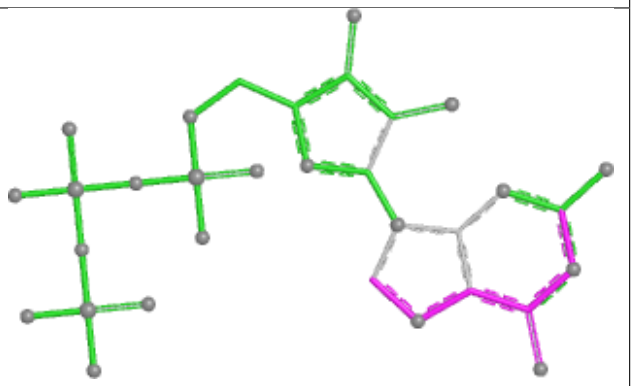

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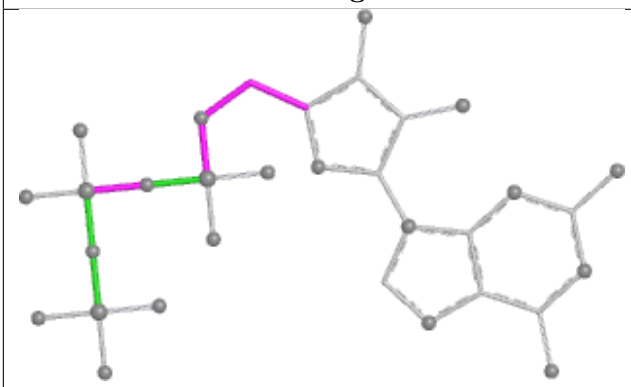

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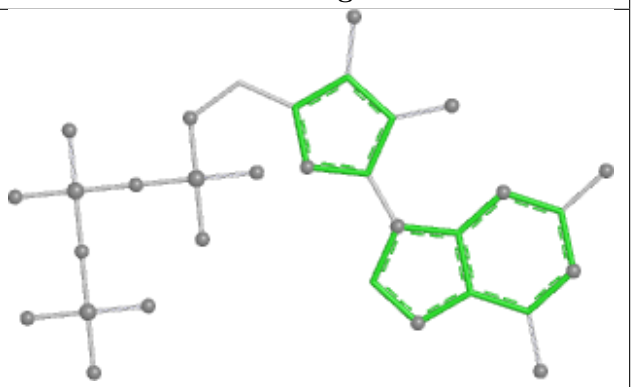

Rings

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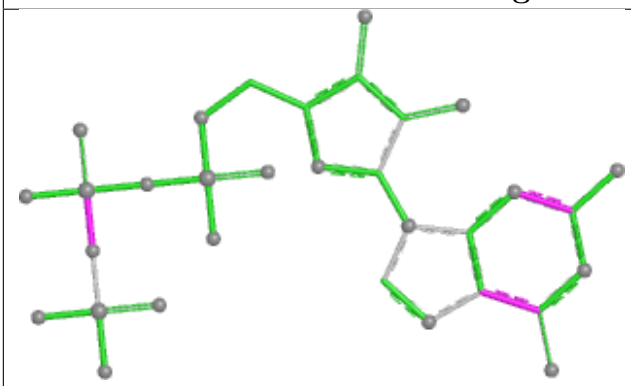

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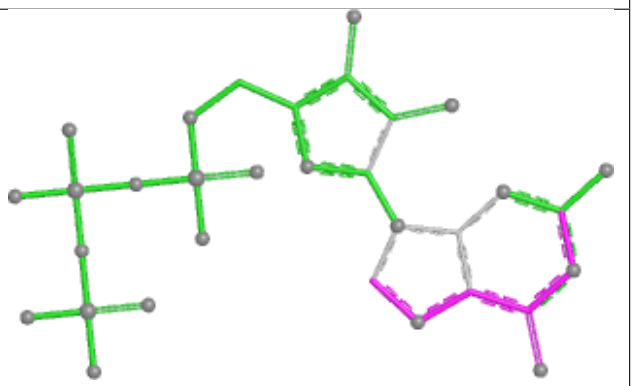

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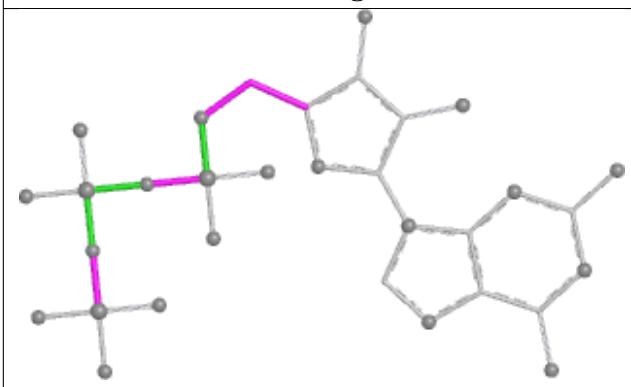

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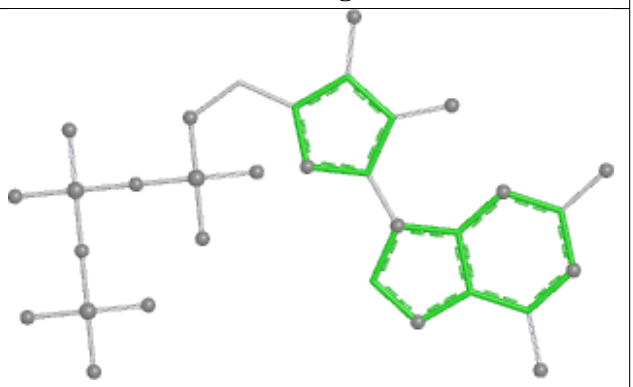

Rings

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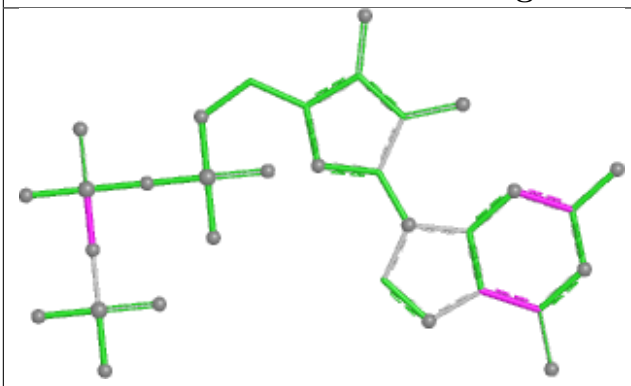

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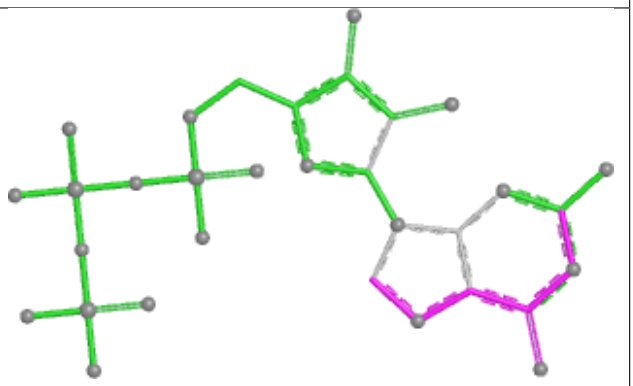

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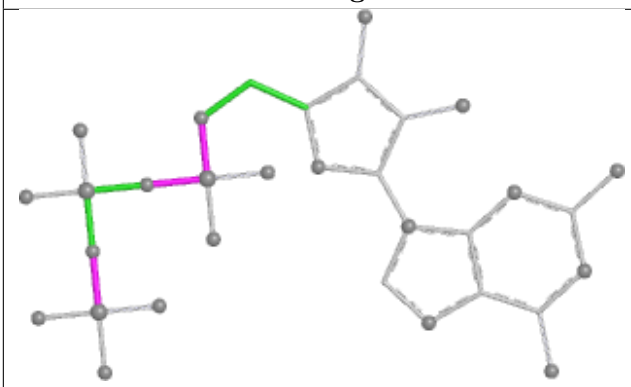

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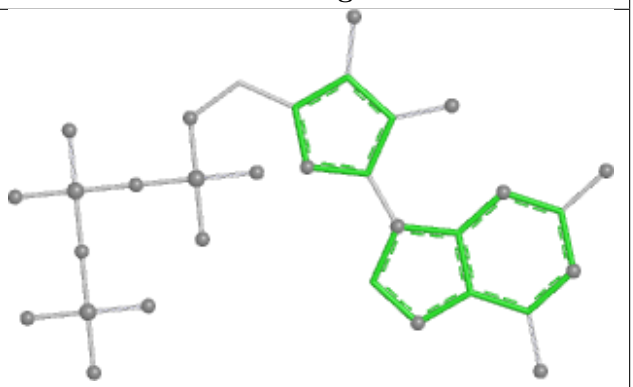

Rings

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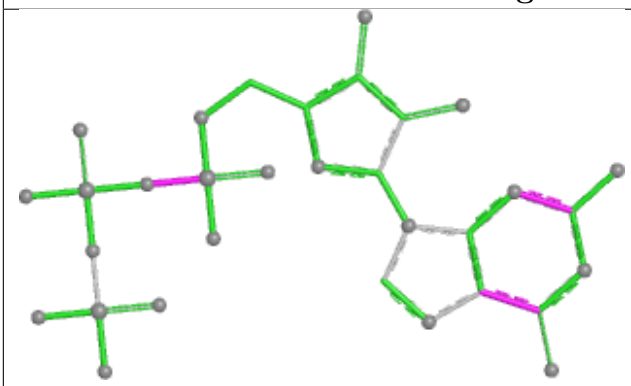

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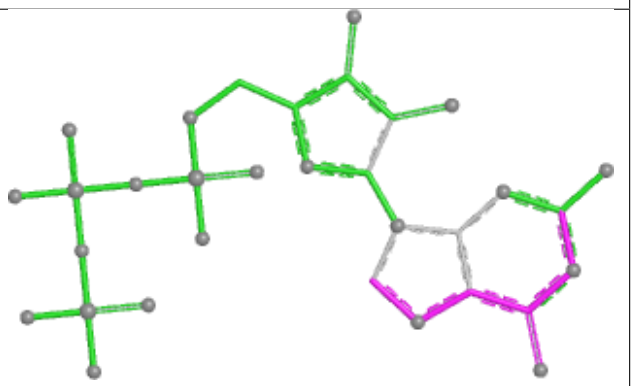

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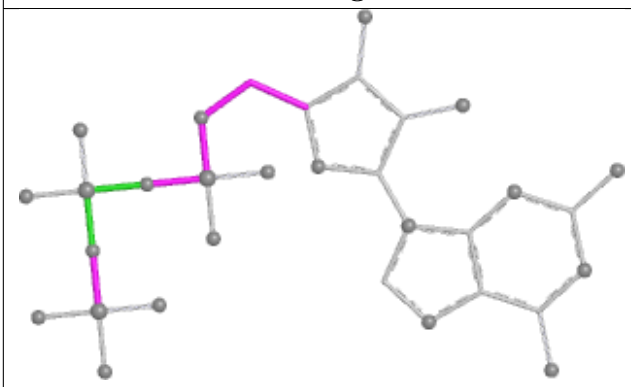

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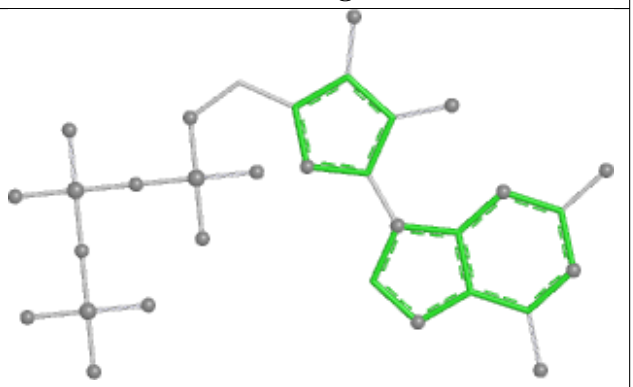

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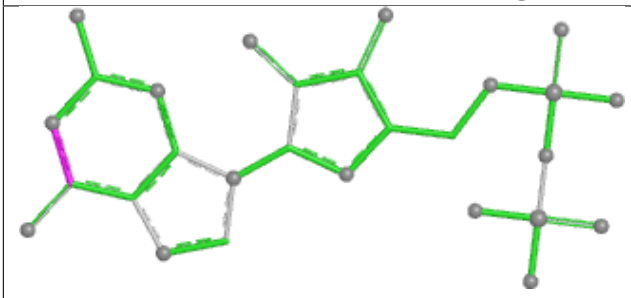
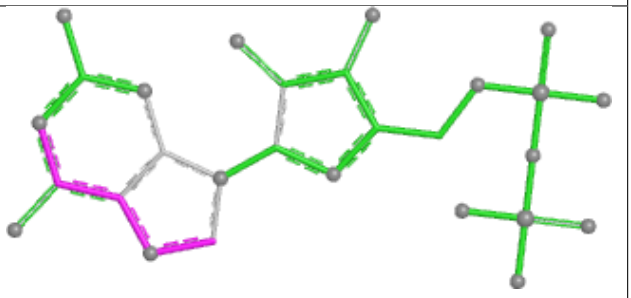
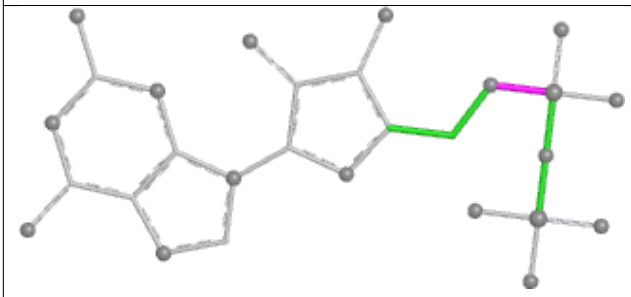
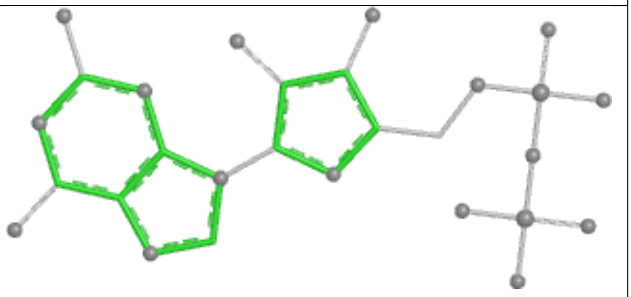
 Bond lengths	 Bond angles
 Torsions	 Rings

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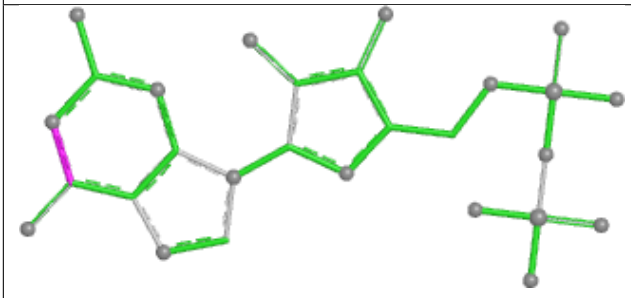
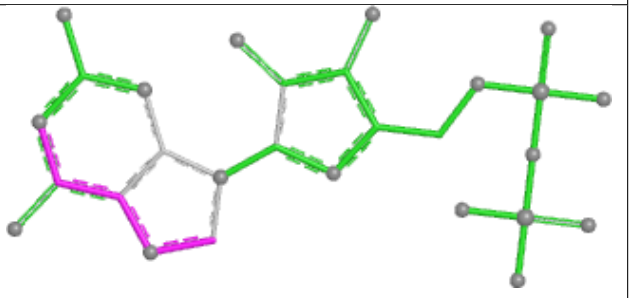
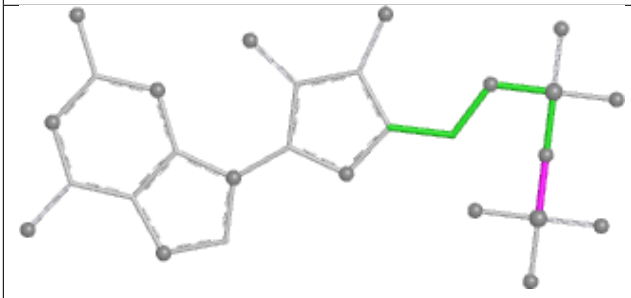
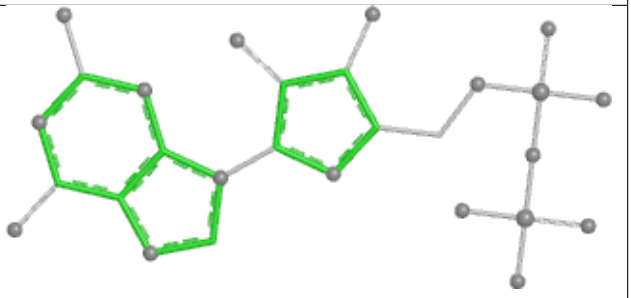
 Bond lengths	 Bond angles
 Torsions	 Rings

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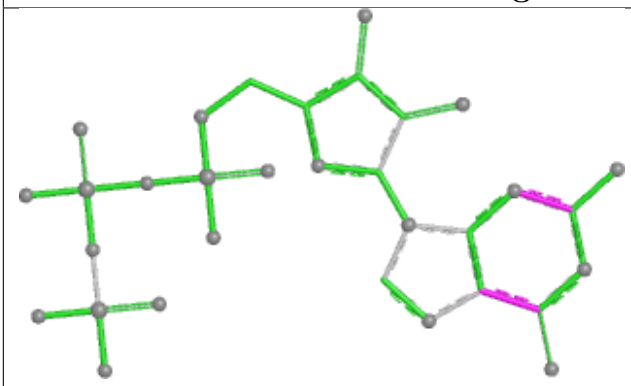

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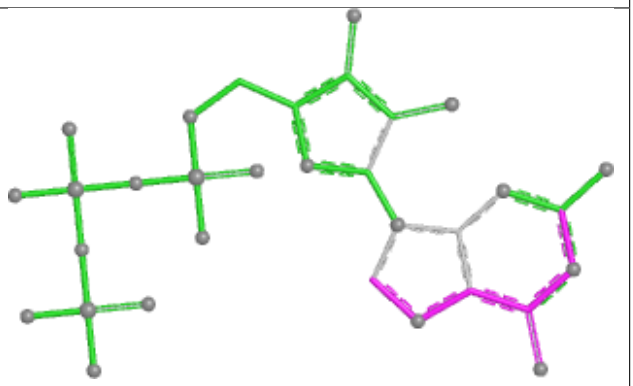

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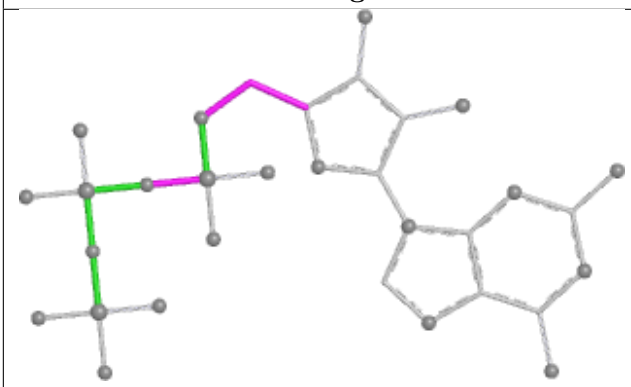

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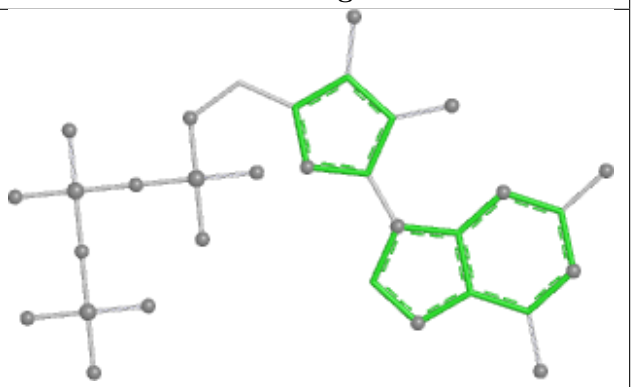

Rings

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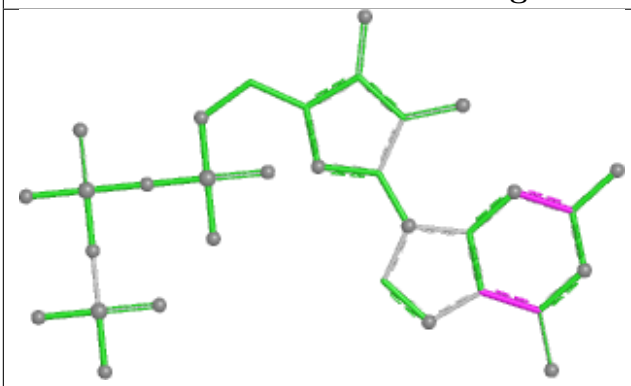

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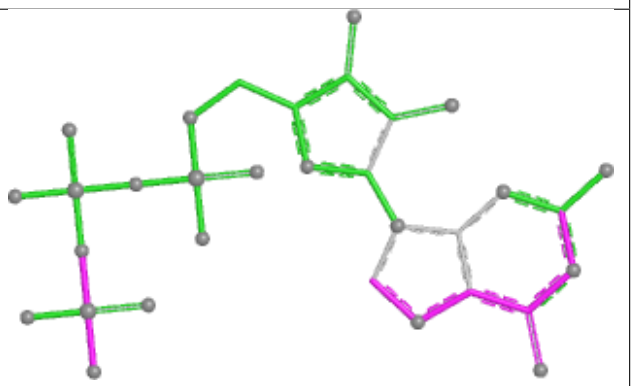

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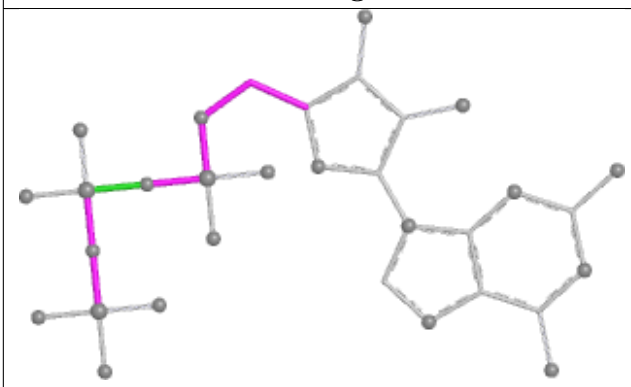

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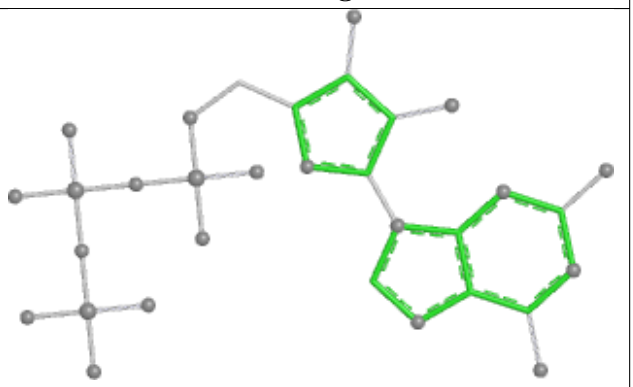

Rings

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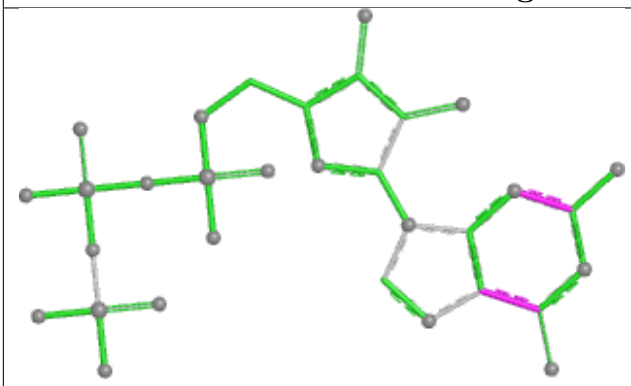

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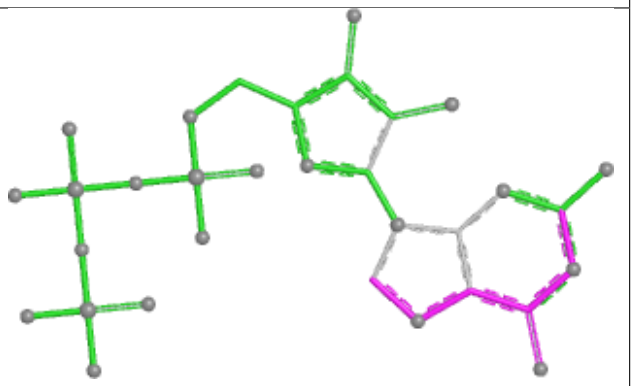

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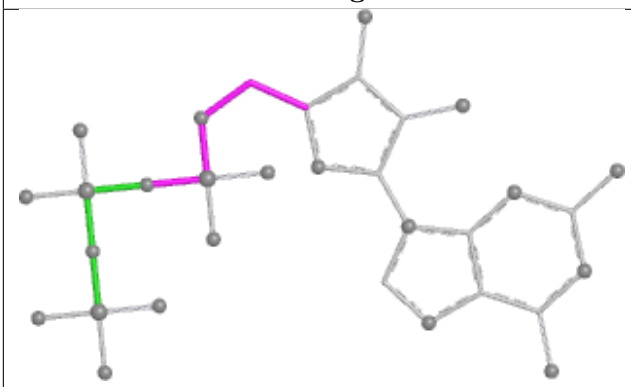

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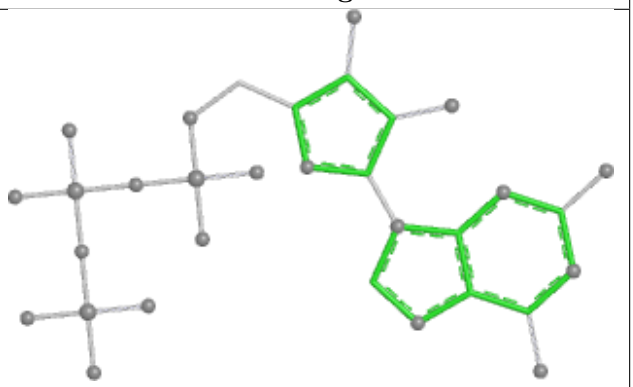

Rings

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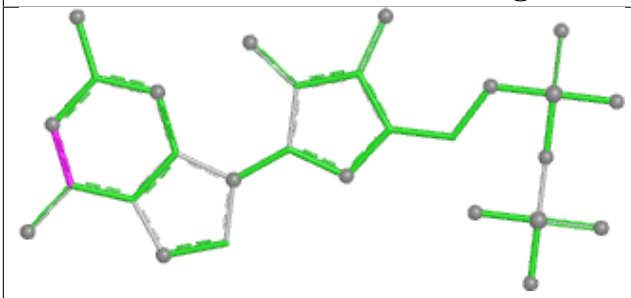

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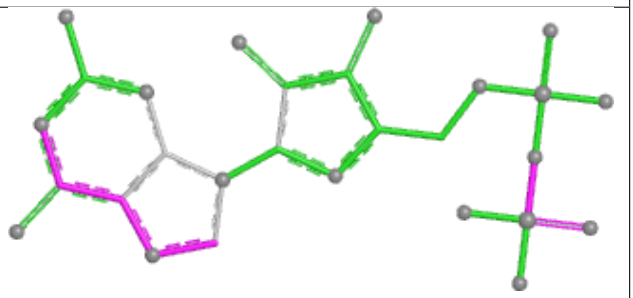
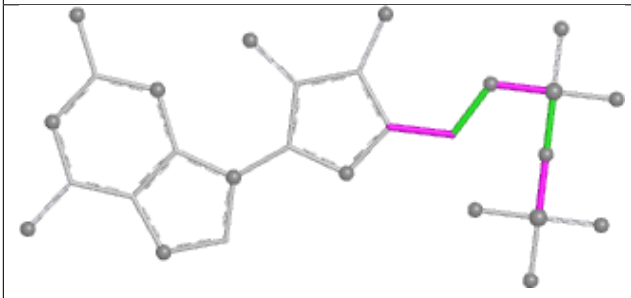
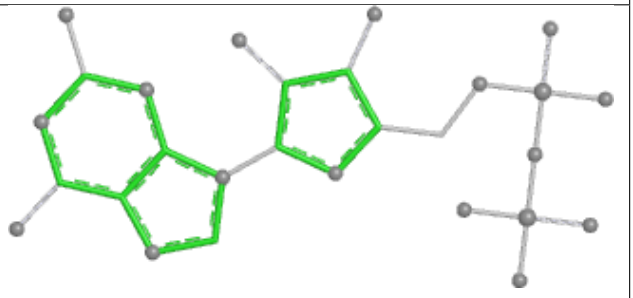


Bond angles

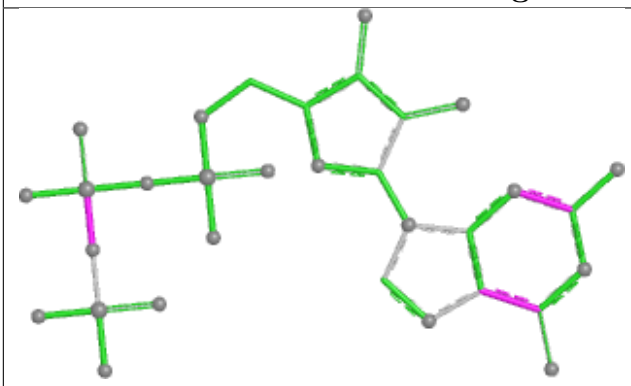


Torsions



Rings

Ligand GTP NS 501



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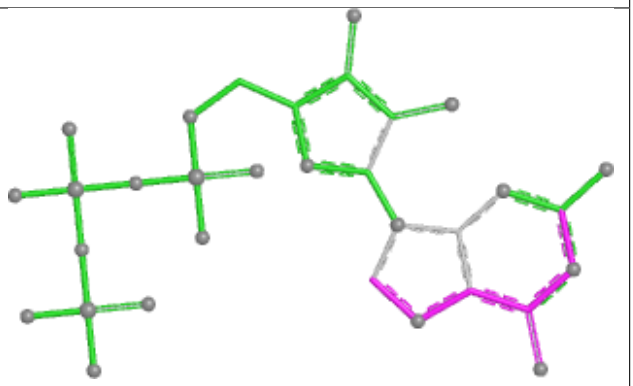

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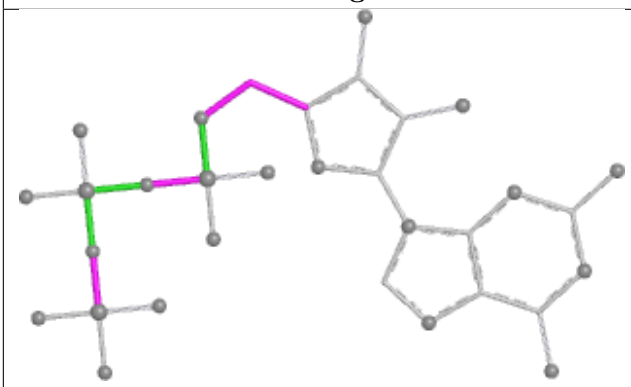

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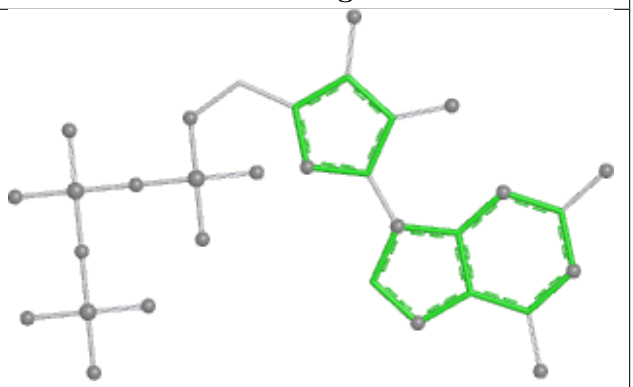
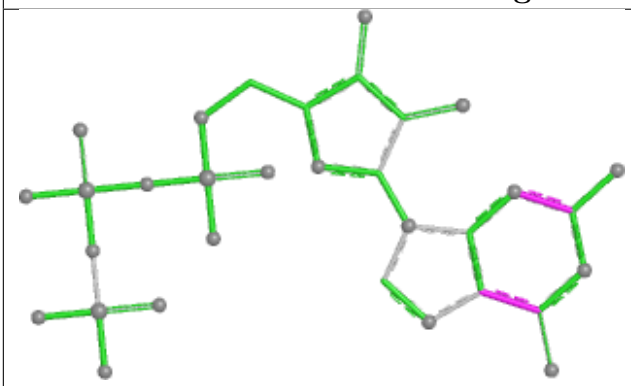


Rings

Ligand GTP C1 501



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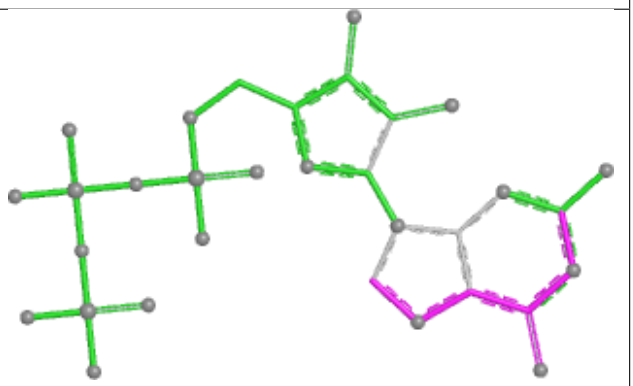

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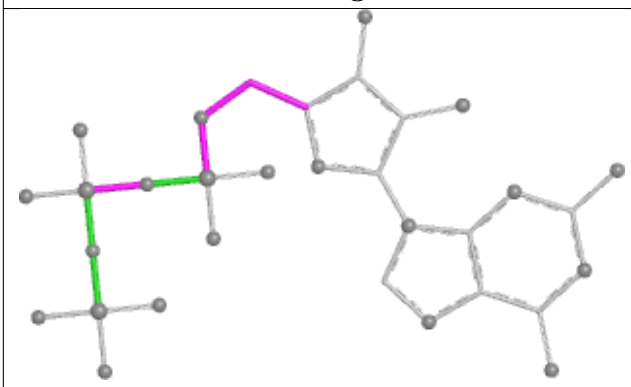

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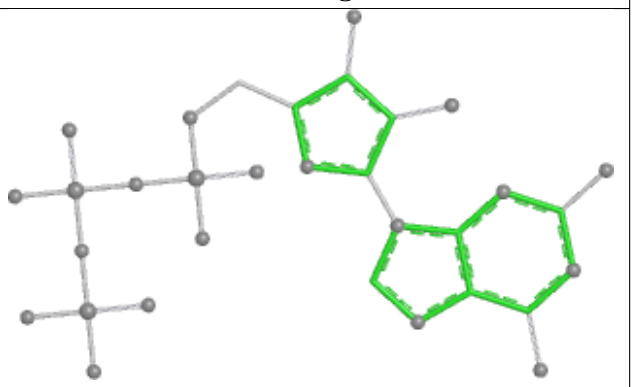
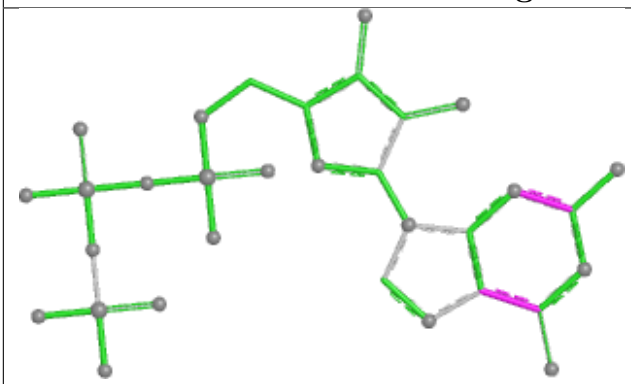


Rings

Ligand GTP Ct 501



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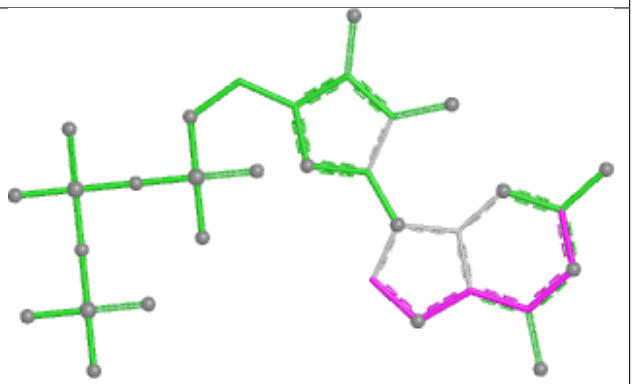

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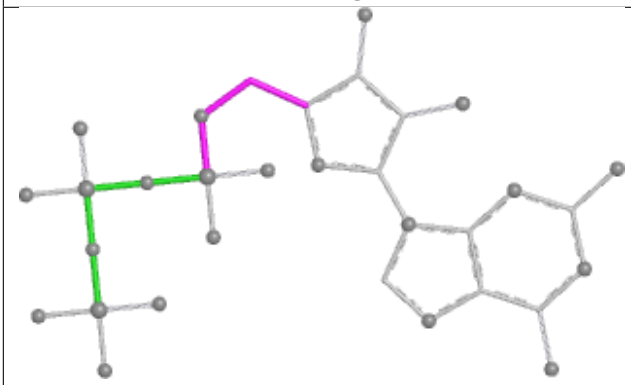

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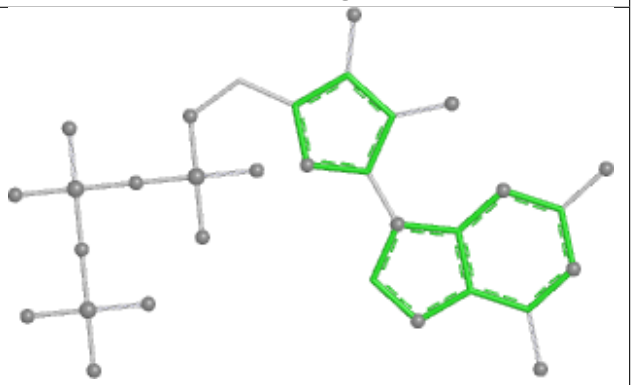
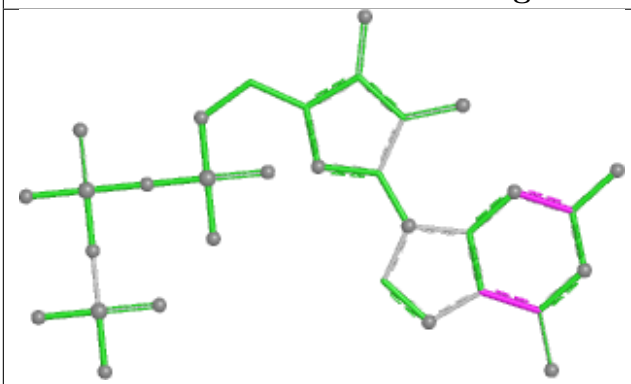


Rings

Ligand GTP O8 501



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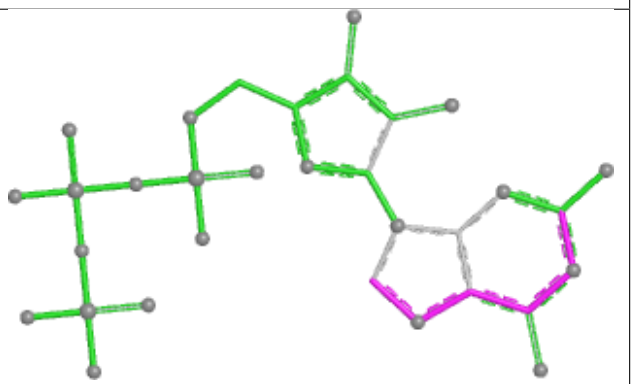

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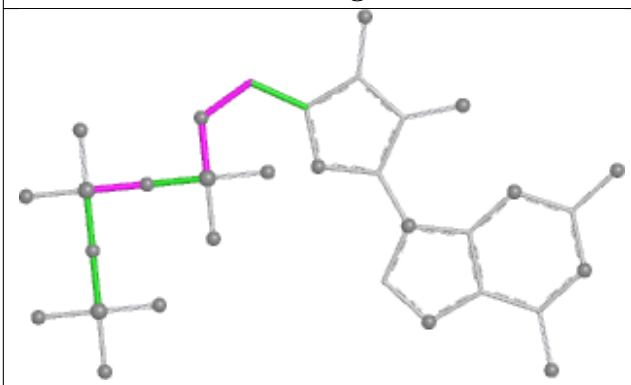

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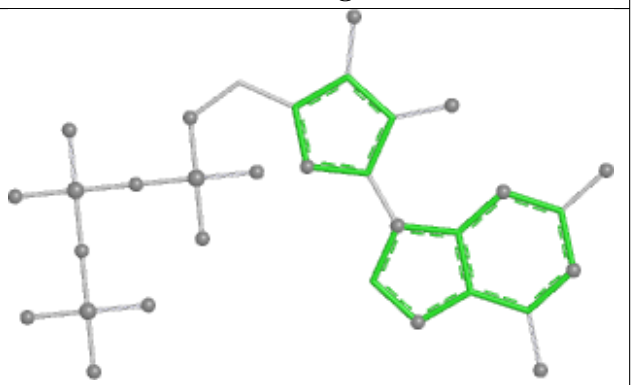
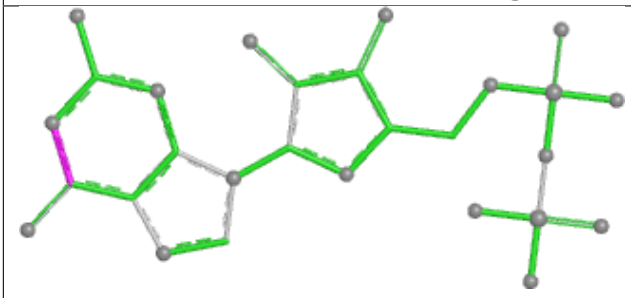
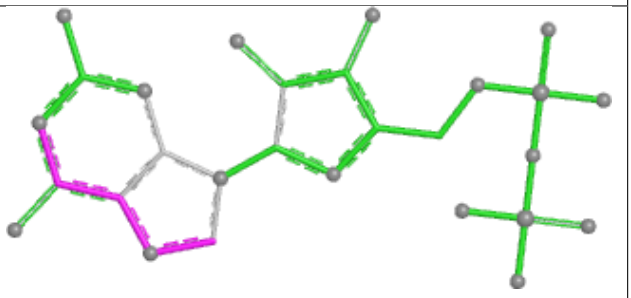
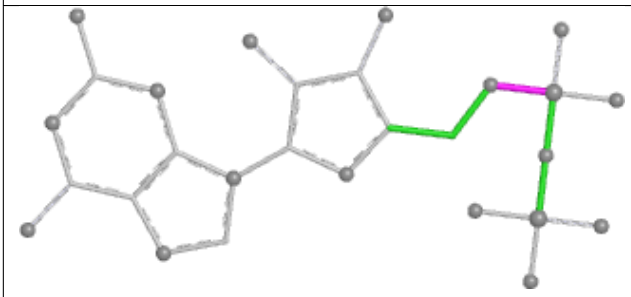
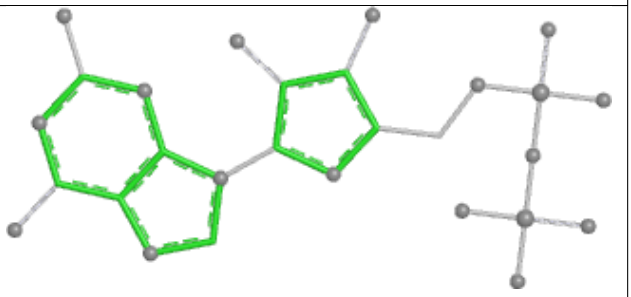


Rings

Ligand GDP GH 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

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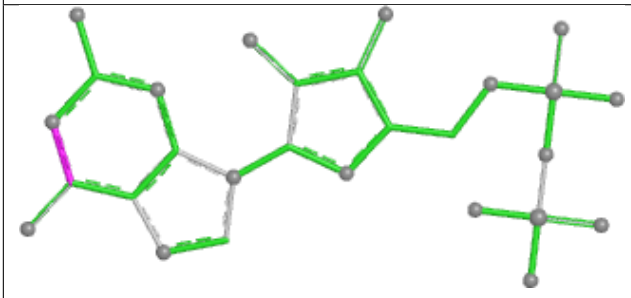
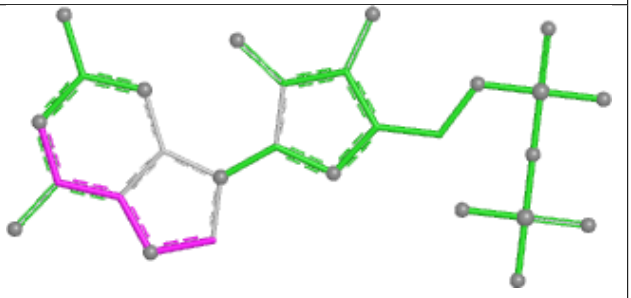
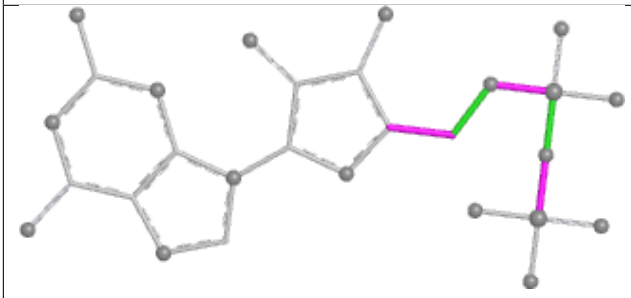
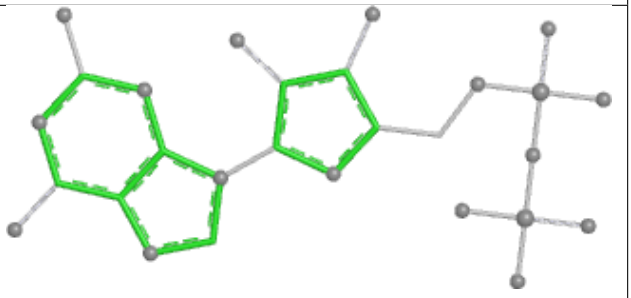
 Bond lengths	 Bond angles
 Torsions	 Rings

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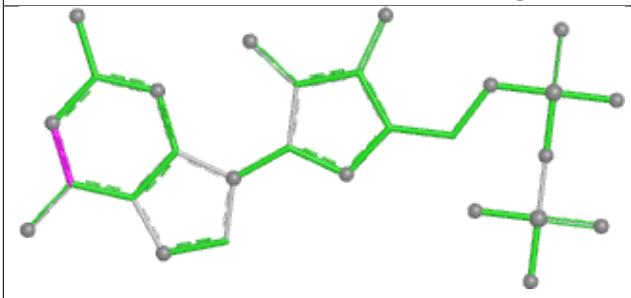
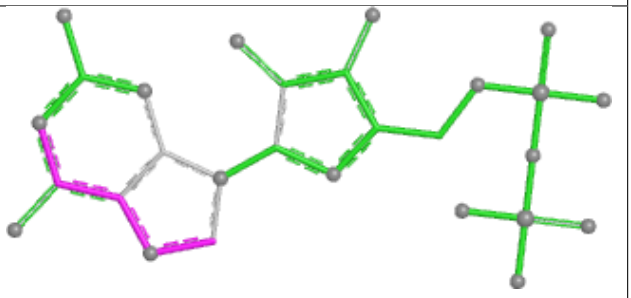
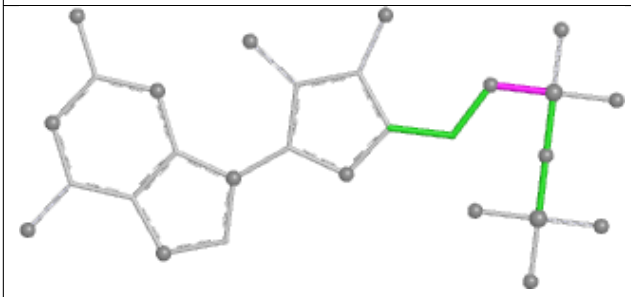
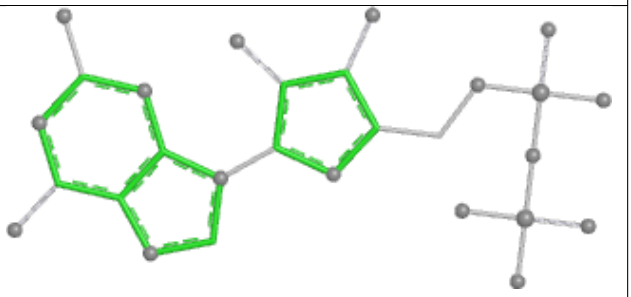
 Bond lengths	 Bond angles
 Torsions	 Rings

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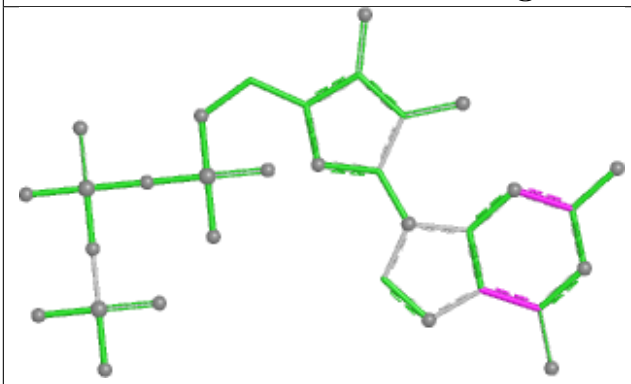
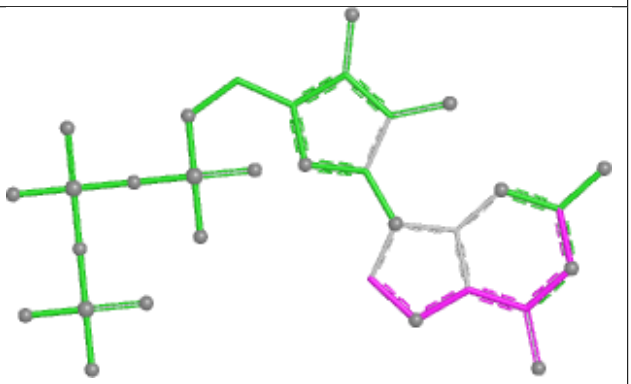
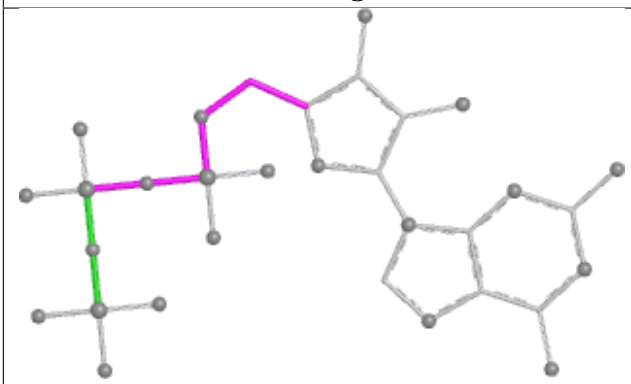
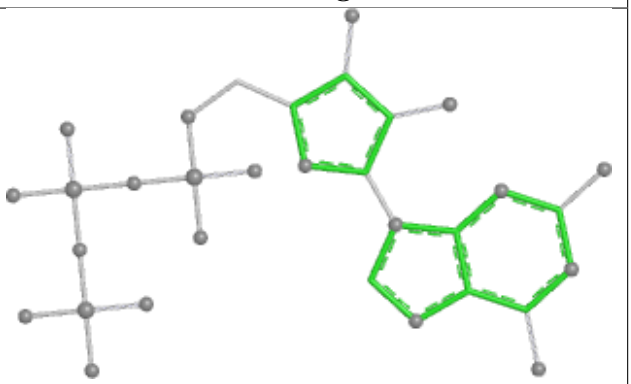
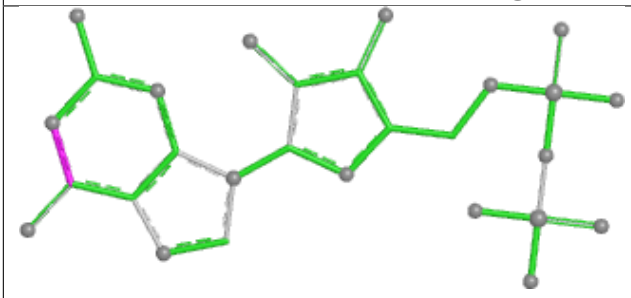
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP FK 501



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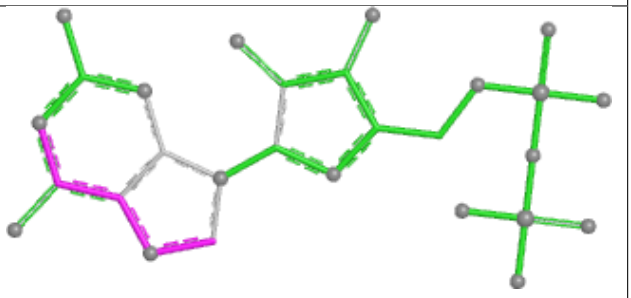

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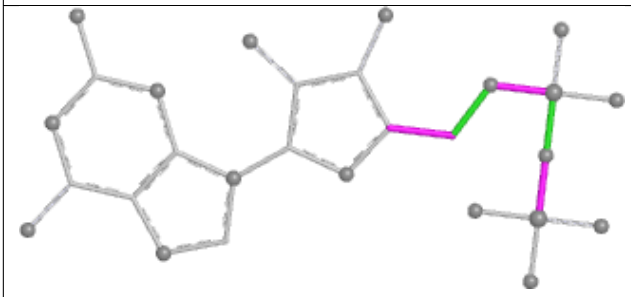

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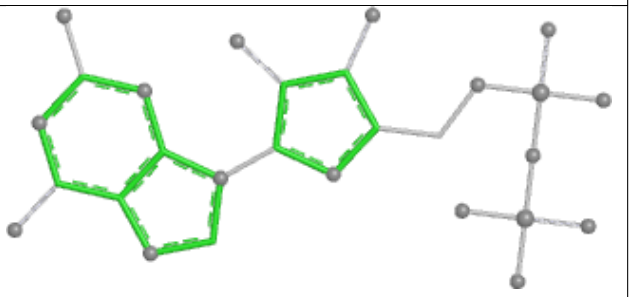
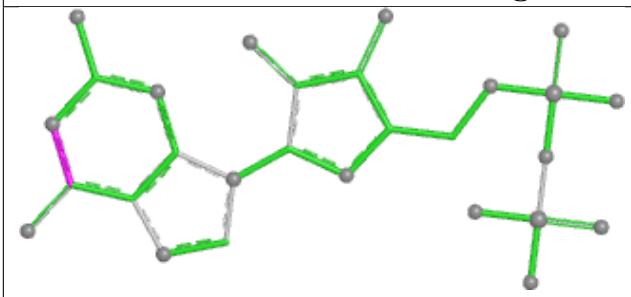


Rings

Ligand GDP Q8 501



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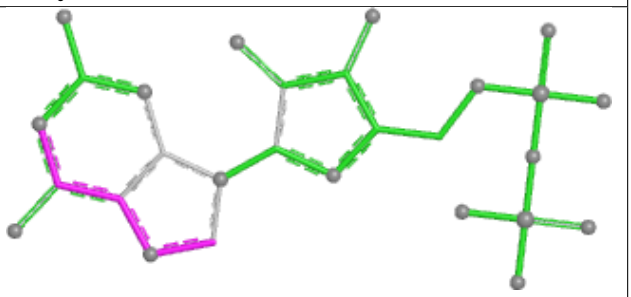

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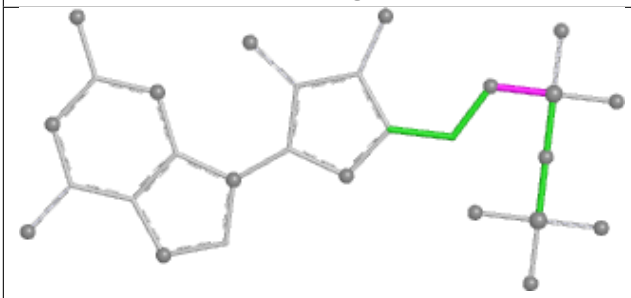

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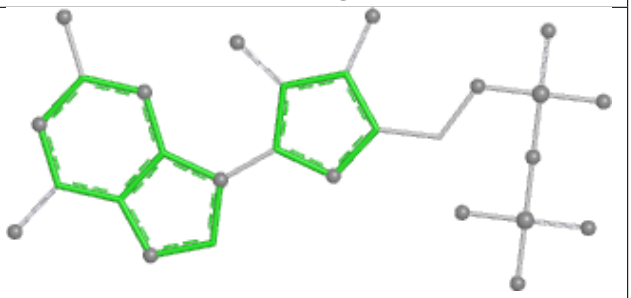
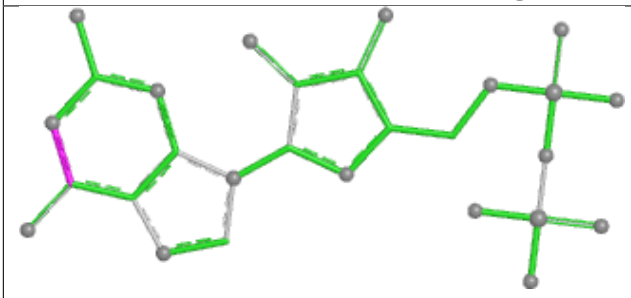


Rings

Ligand GDP NJ 502



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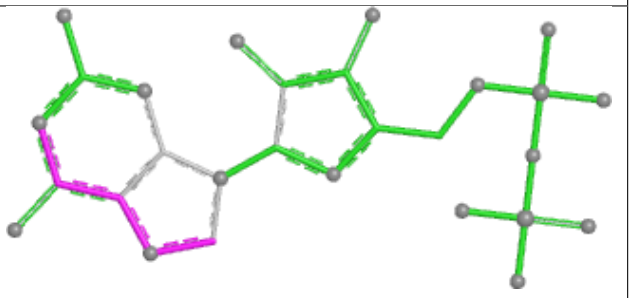

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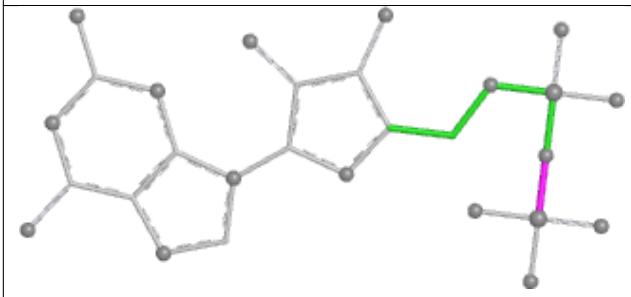

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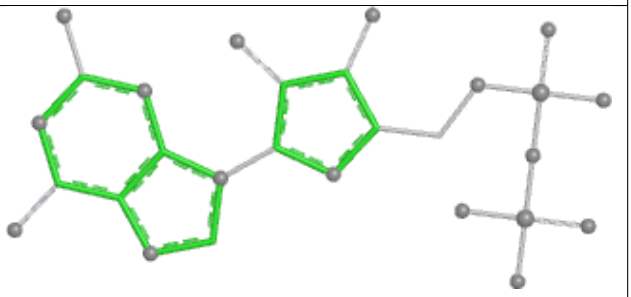
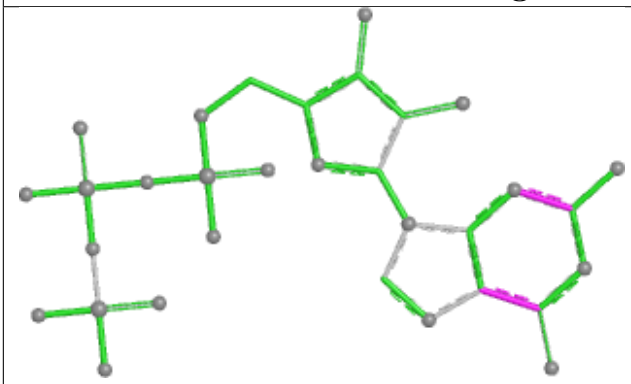


Rings

Ligand GTP CE 502



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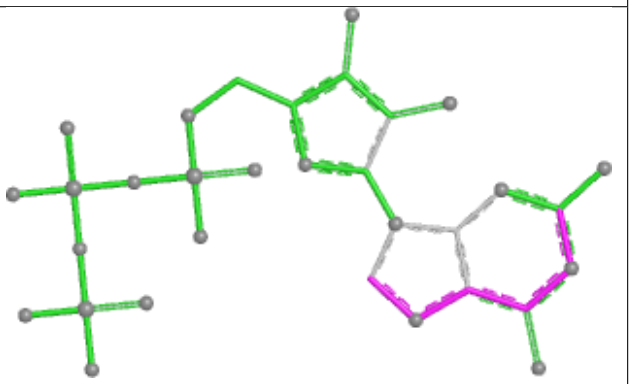
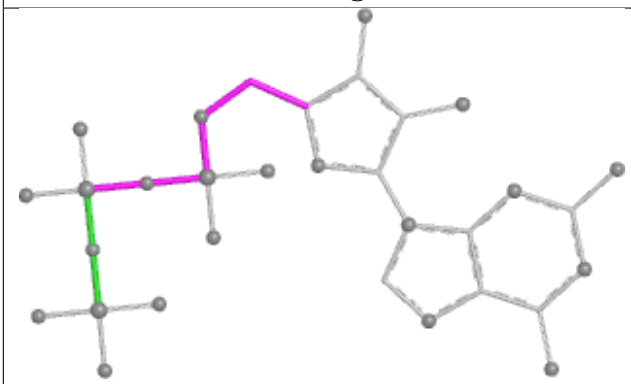


Bond angles



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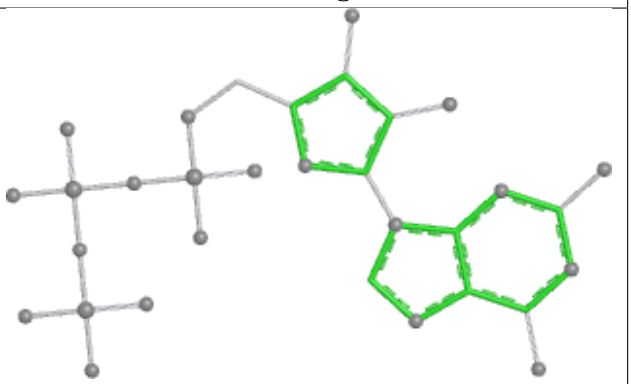
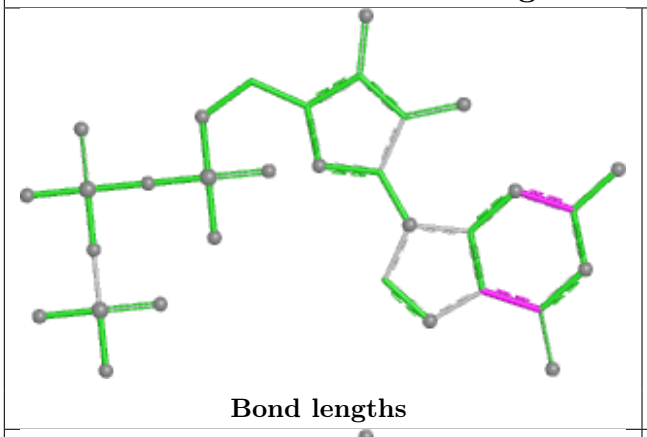


Rings

Ligand GTP Cj 501



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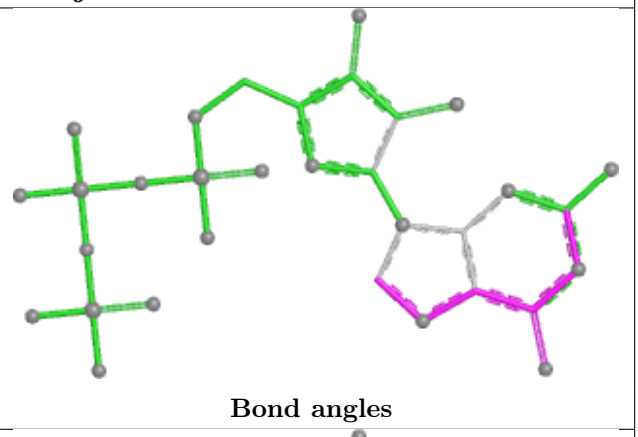
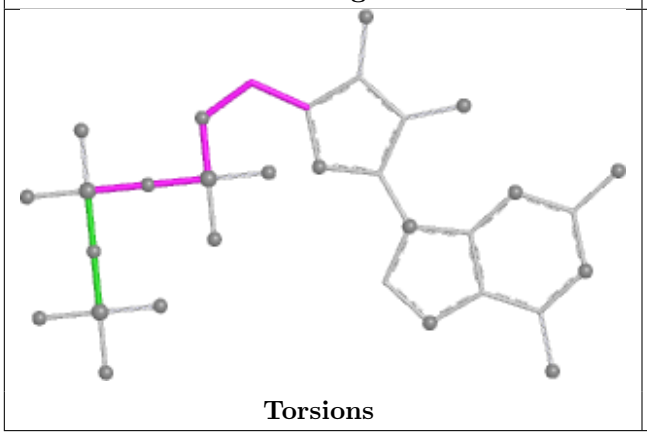


Bond angles



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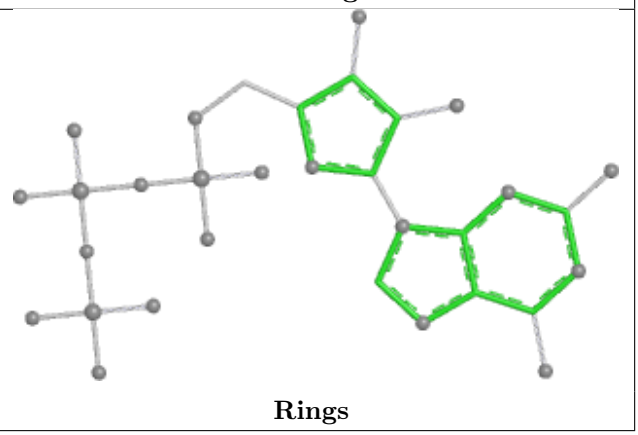
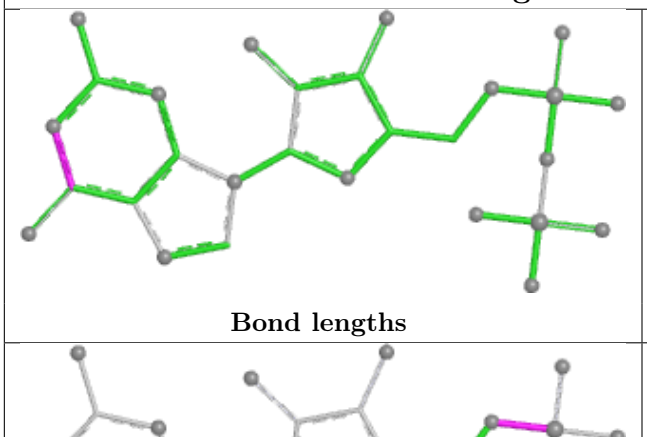
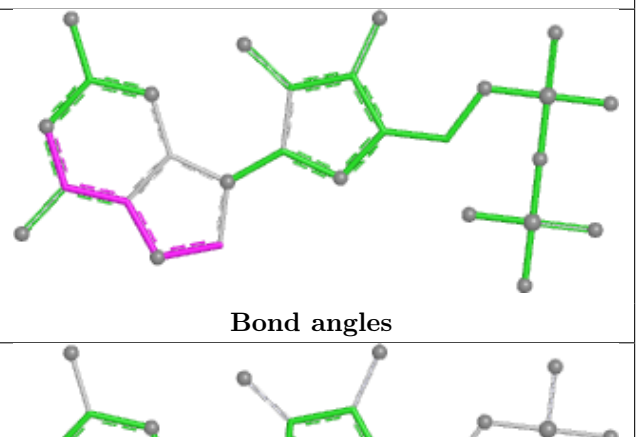


Rings

Ligand GDP 3O 502



Bond lengths



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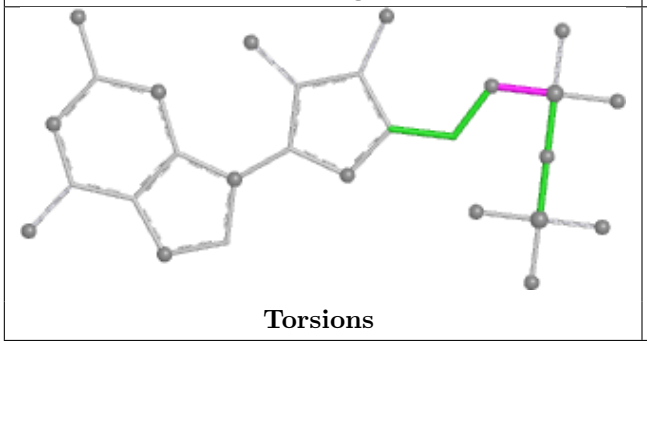

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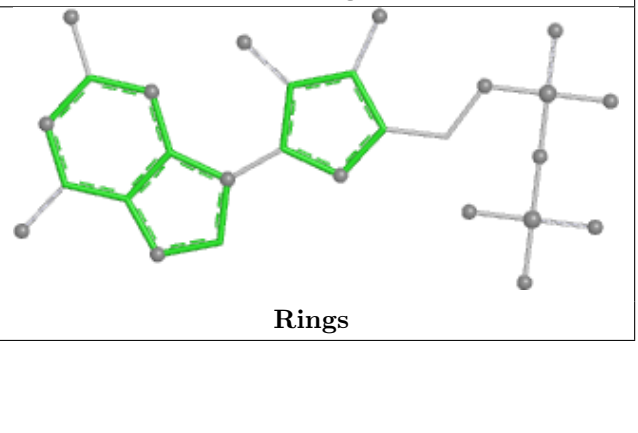
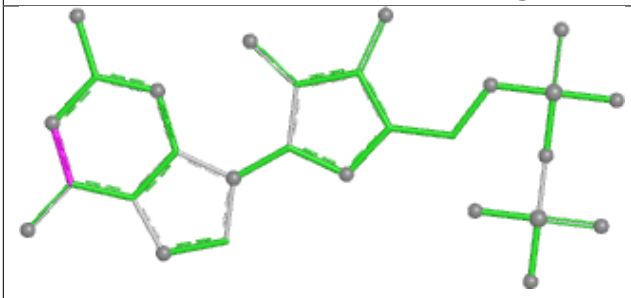


Rings

Ligand GDP E8 502



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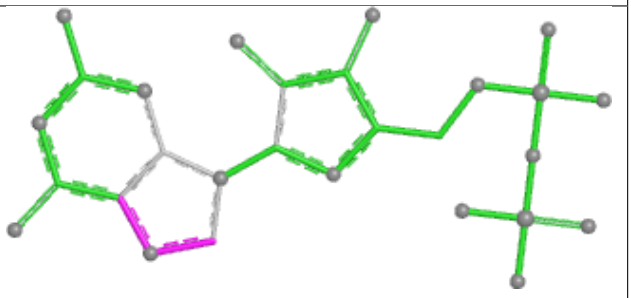

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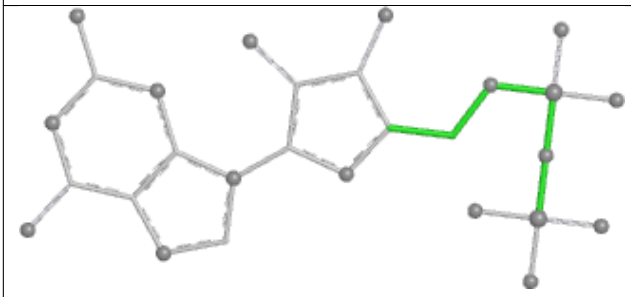

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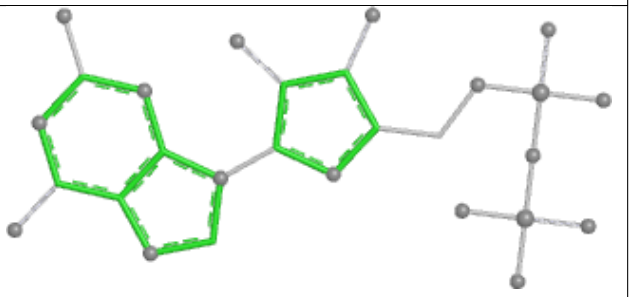
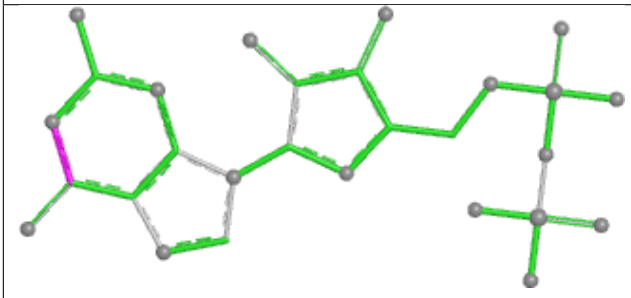


Rings

Ligand GDP Fe 502



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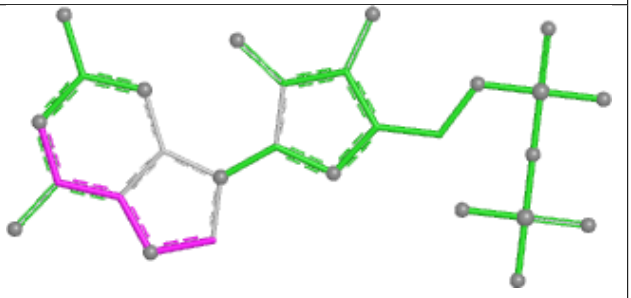

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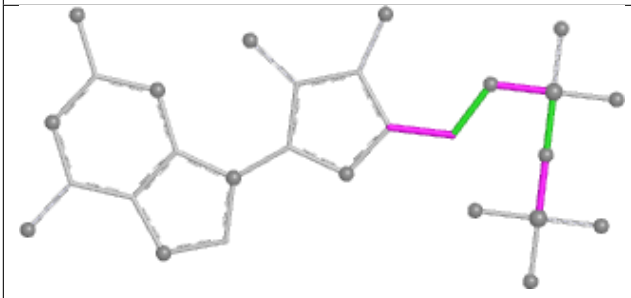

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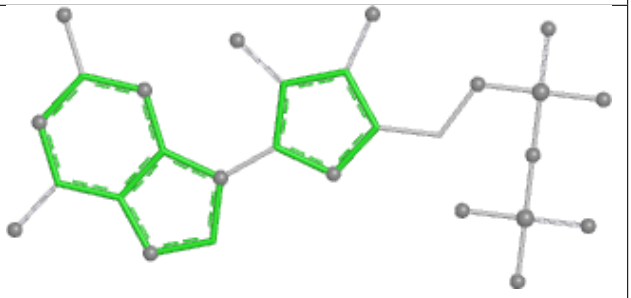
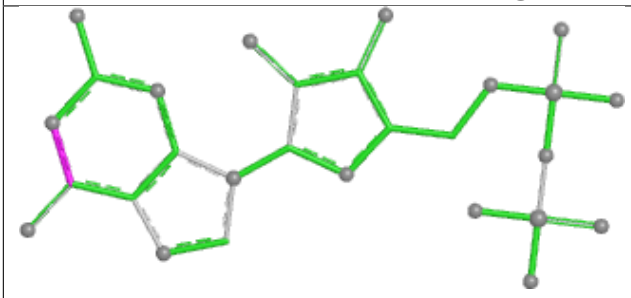
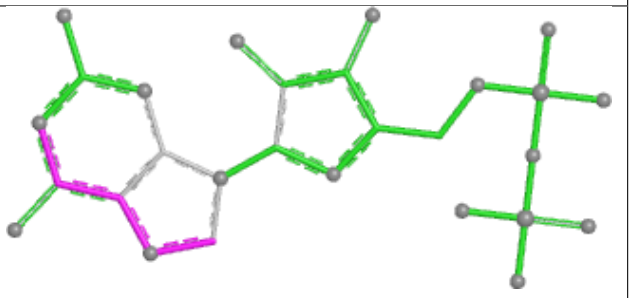
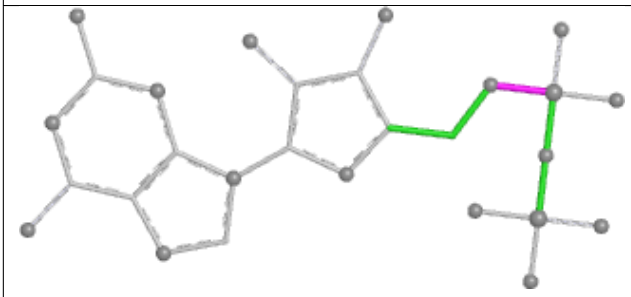
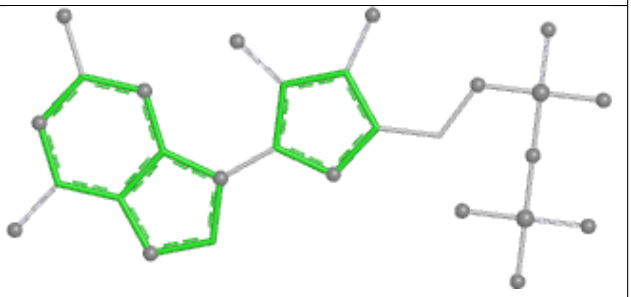
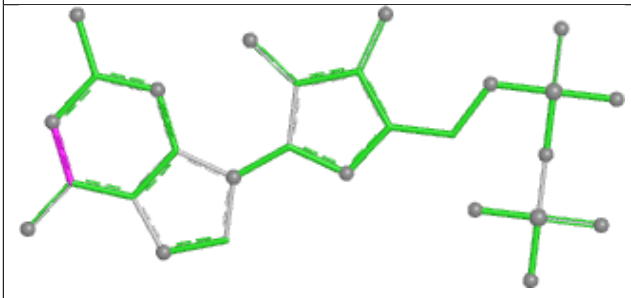
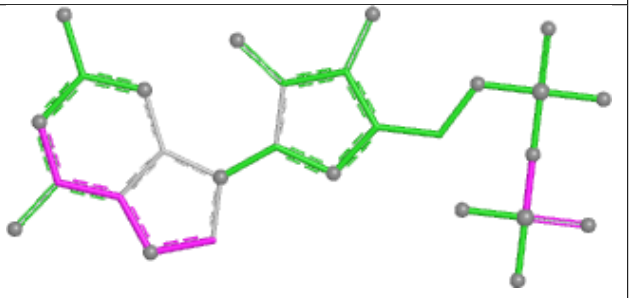
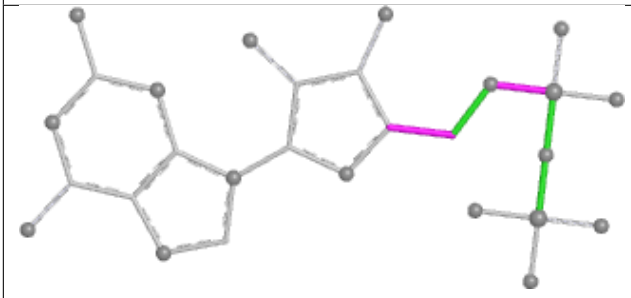
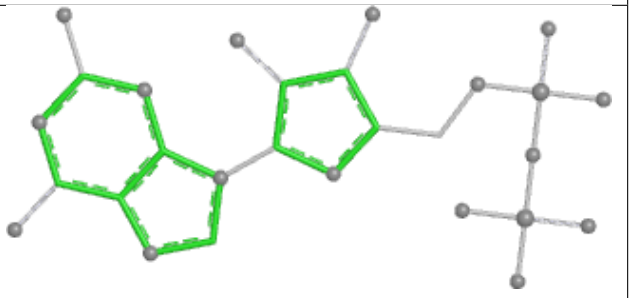
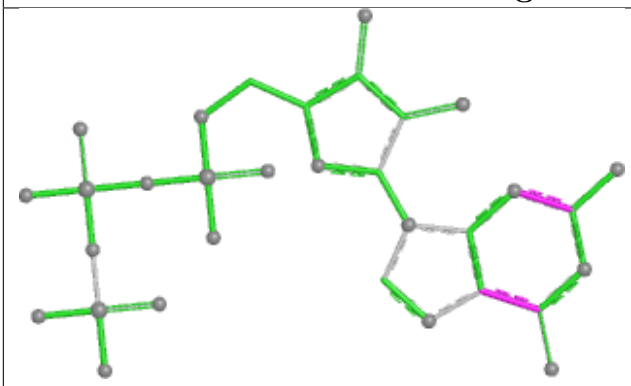


Rings

Ligand GDP Y0 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Cm 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP Z7 501



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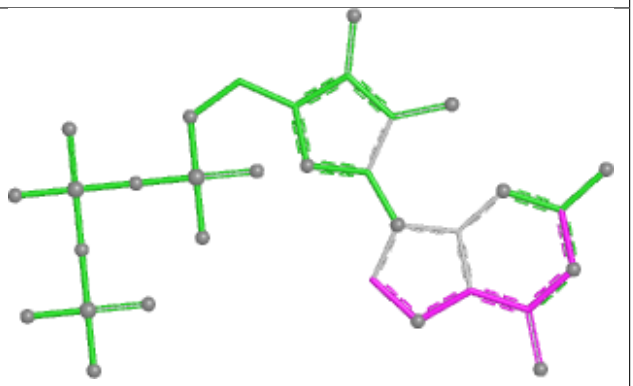
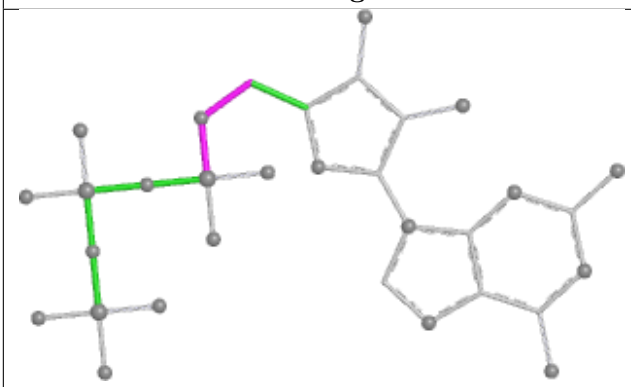
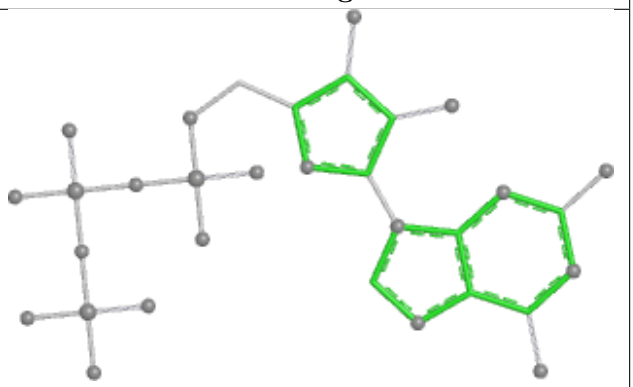


Bond angles

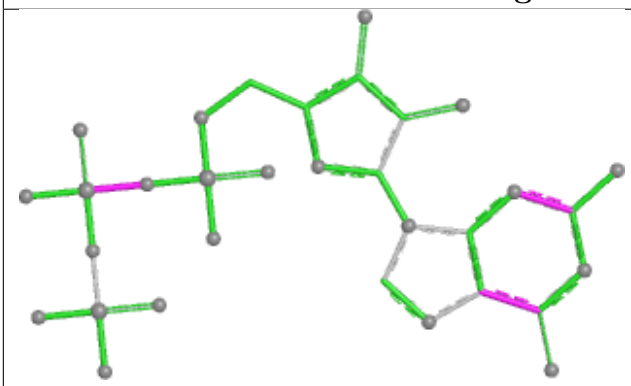


Torsions



Rings

Ligand GTP P9 501



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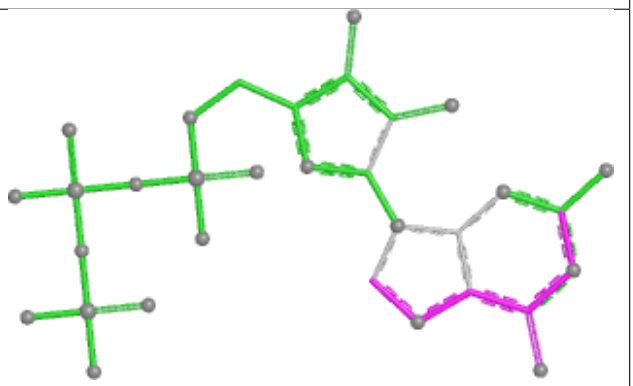

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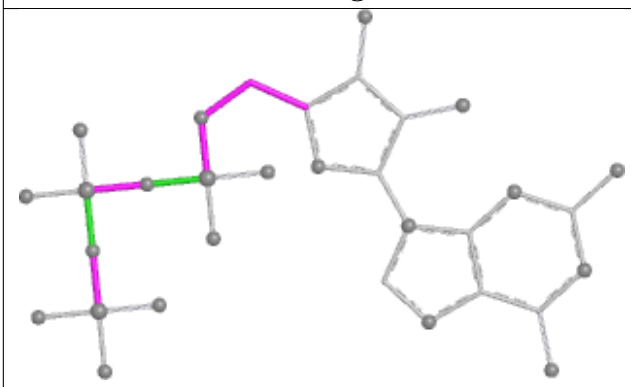

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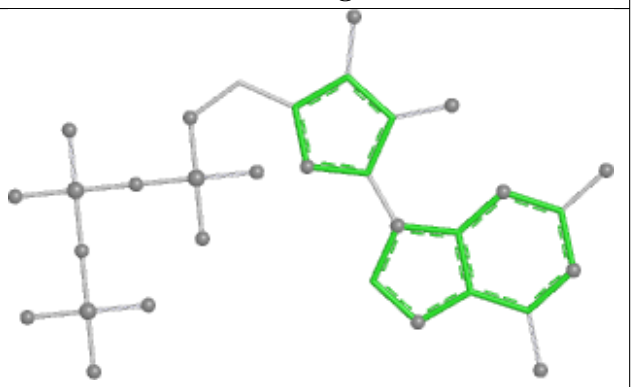
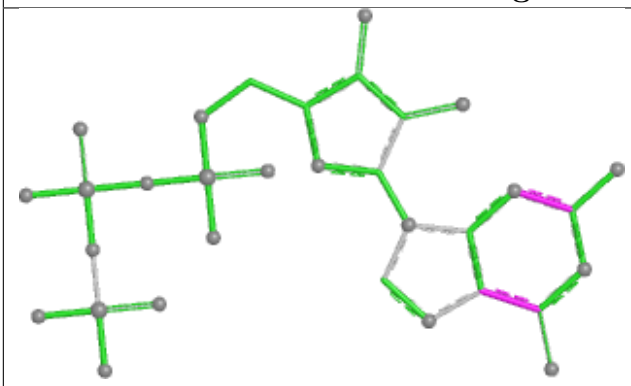


Rings

Ligand GTP 2K 501



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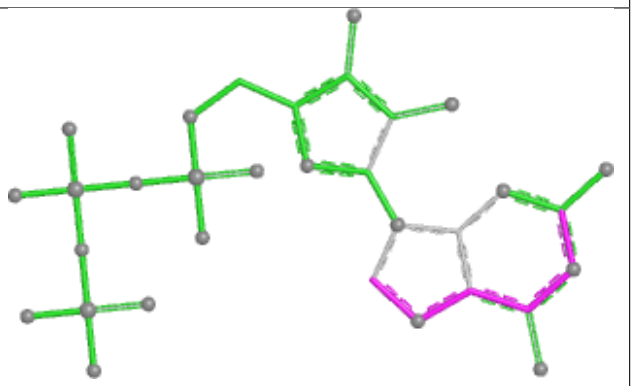

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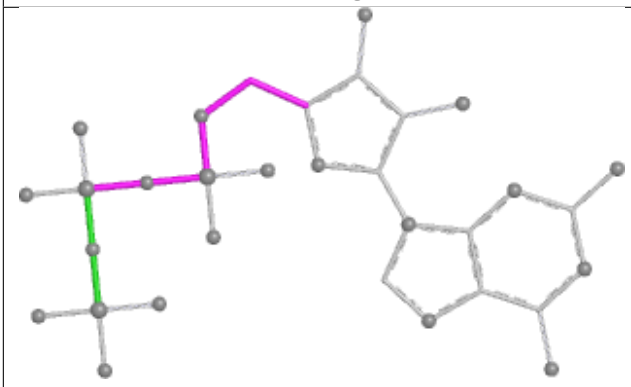

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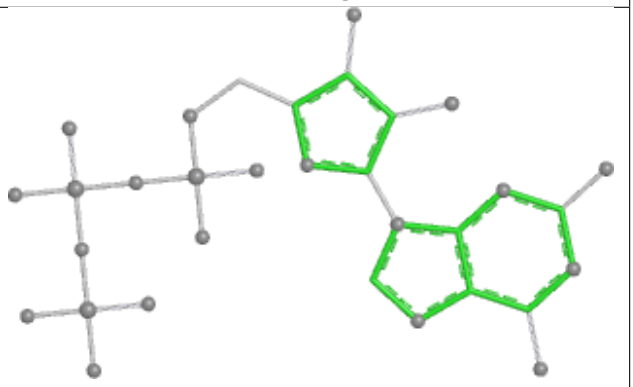
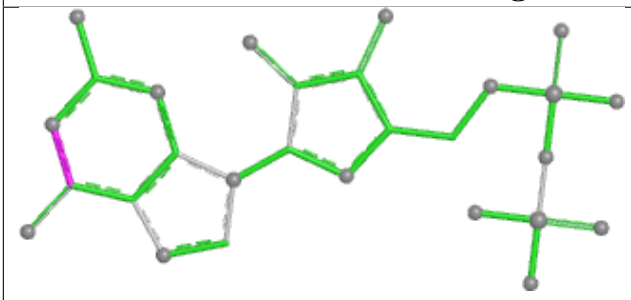


Rings

Ligand GDP Ew 502



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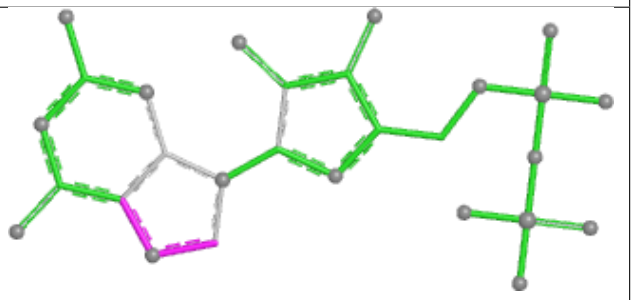

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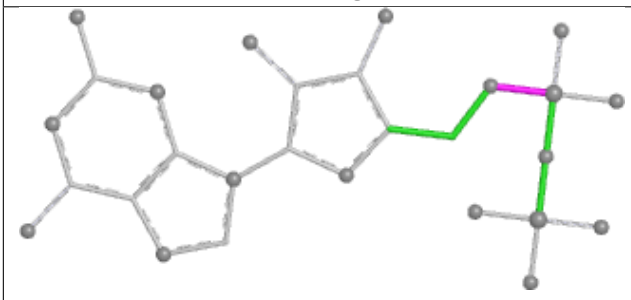

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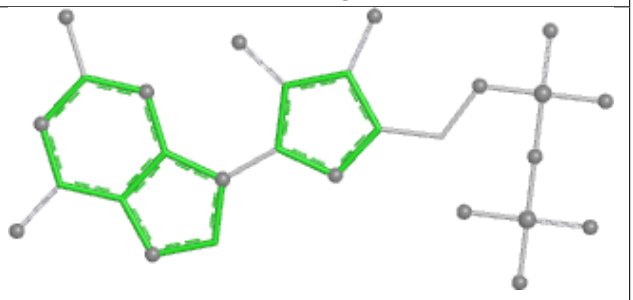
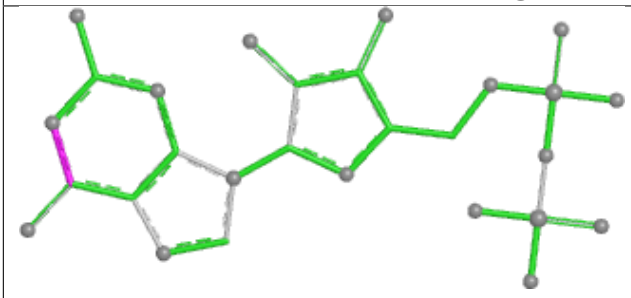
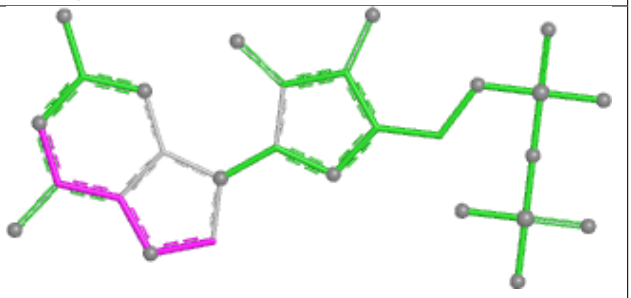
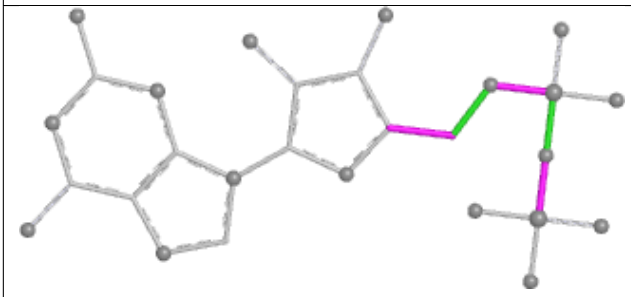
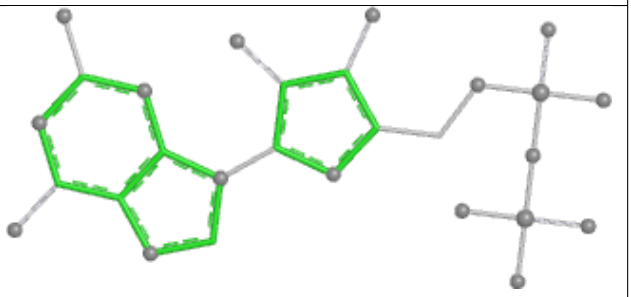
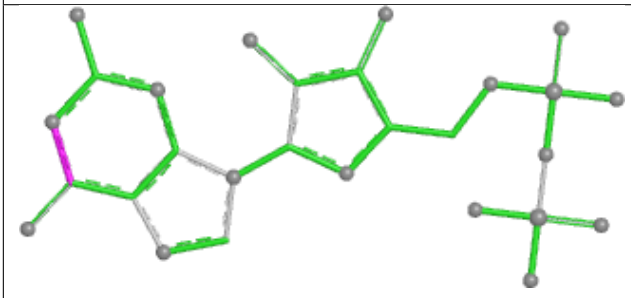
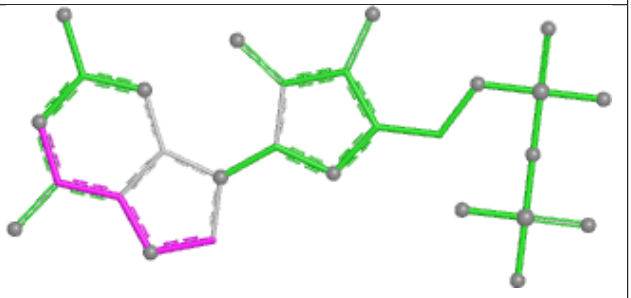
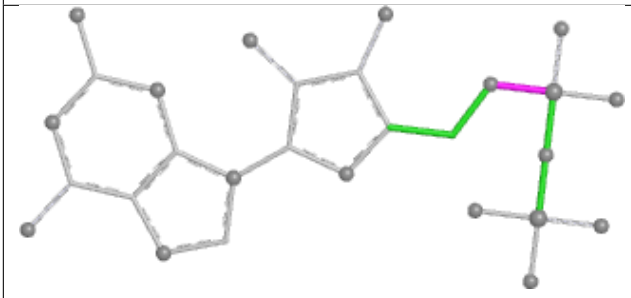
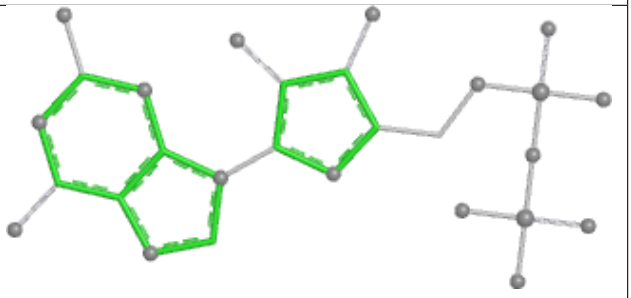
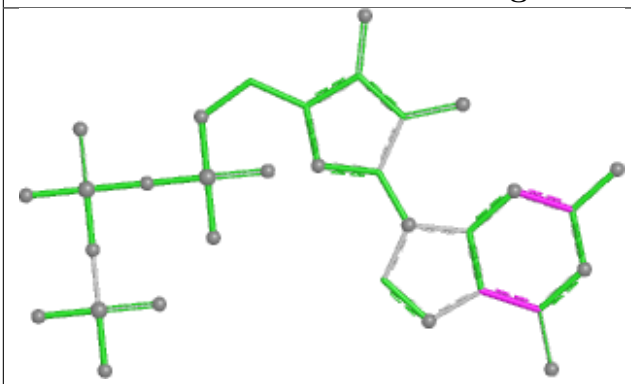


Rings

Ligand GDP 1Q 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GDP Kh 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand GTP EU 501



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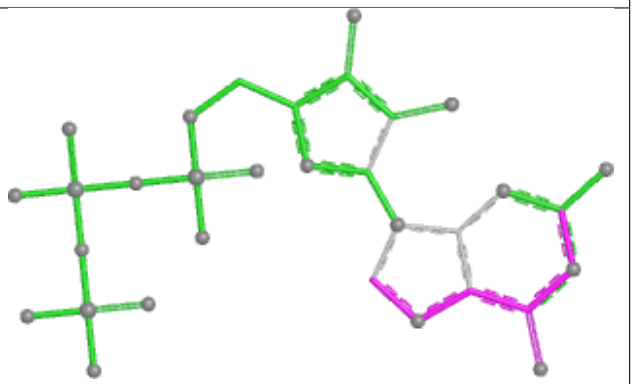
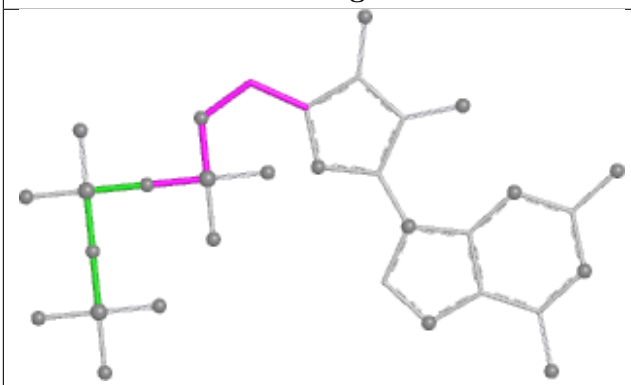
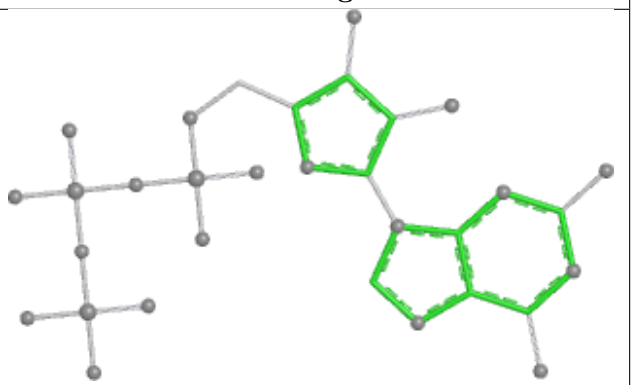


Bond angles

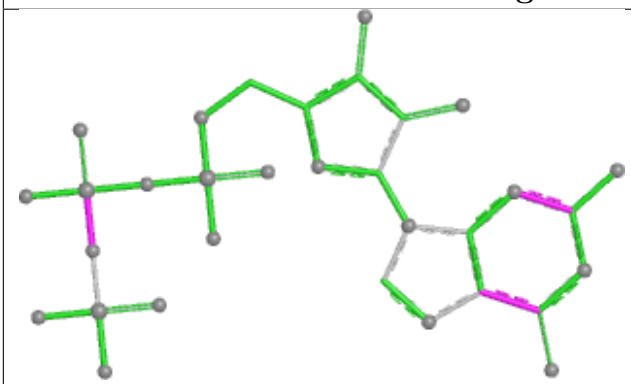


Torsions



Rings

Ligand GTP 8L 501



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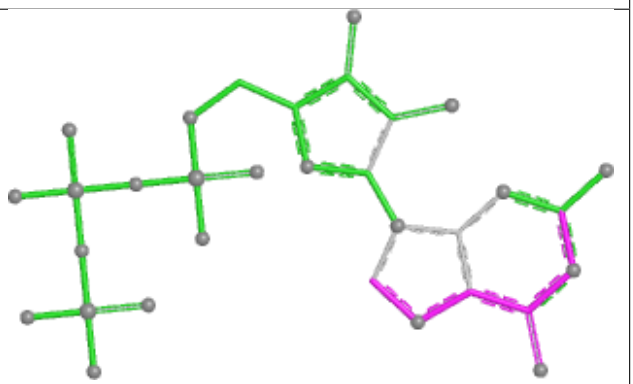
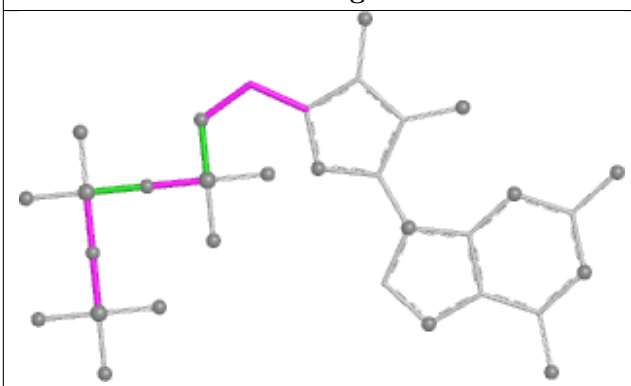


Bond angles



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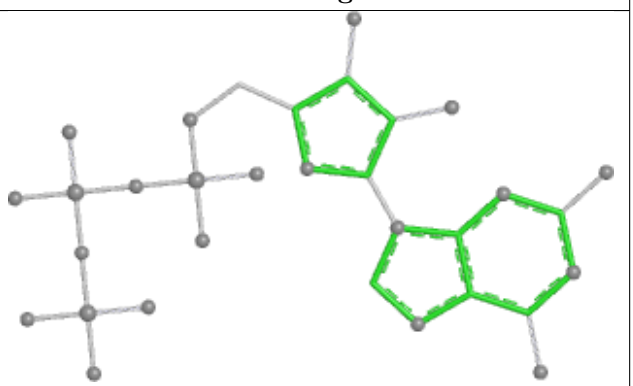


Rings

4.7 Other polymers (i)

There are no such residues in this entry.

4.8 Polymer linkage issues (i)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
5	OA	1
10	7B	1
7	OG	1
59	Cp	1
59	Cq	1
84	OL	1
7	Ga	1
76	Ey	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	OA	445:ARG	C	446:SER	N	3.27
1	7B	97:GLY	C	98:VAL	N	3.16
1	OG	304:HIS	C	305:ASP	N	3.11
1	Cp	669:LEU	C	670:THR	N	3.08
1	Cq	668:GLU	C	669:LEU	N	3.08
1	OL	325:MET	C	326:GLU	N	2.99
1	Ga	270:GLU	C	271:LYS	N	2.96
1	Ey	252:GLN	C	253:ILE	N	1.66

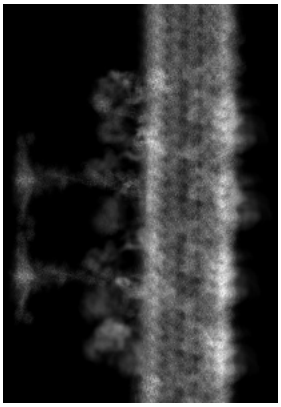
5 Map visualisation

This section contains visualisations of the EMDB entry EMD-40220. These allow visual inspection of the internal detail of the map and identification of artifacts.

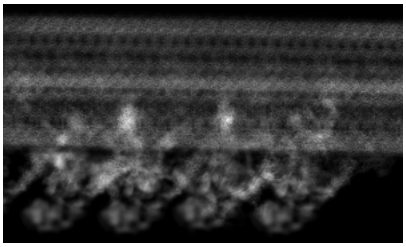
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

5.1 Orthogonal projections

5.1.1 Primary map



X



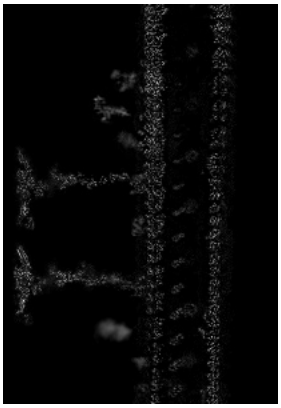
Y

Z

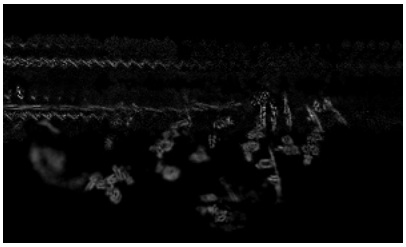
The images above show the map projected in three orthogonal directions.

5.2 Central slices

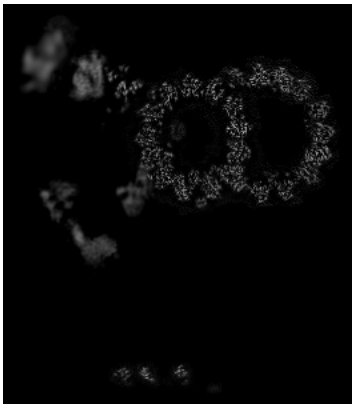
5.2.1 Primary map



X Index: 284



Y Index: 326

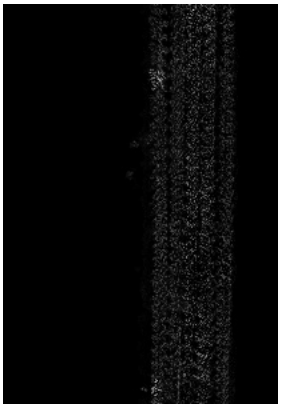


Z Index: 476

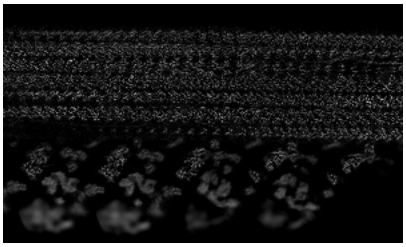
The images above show central slices of the map in three orthogonal directions.

5.3 Largest variance slices (i)

5.3.1 Primary map



X Index: 375



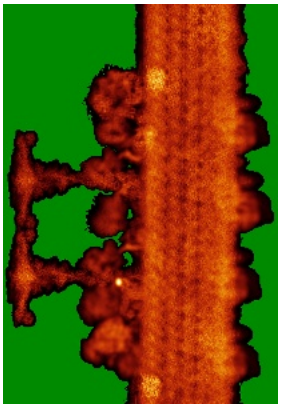
Y Index: 520

Z Index: 297

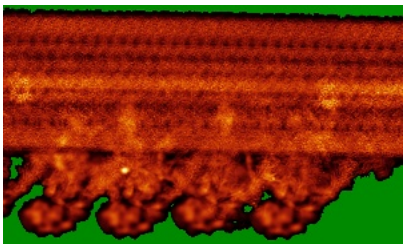
The images above show the largest variance slices of the map in three orthogonal directions.

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

5.4.1 Primary map



X



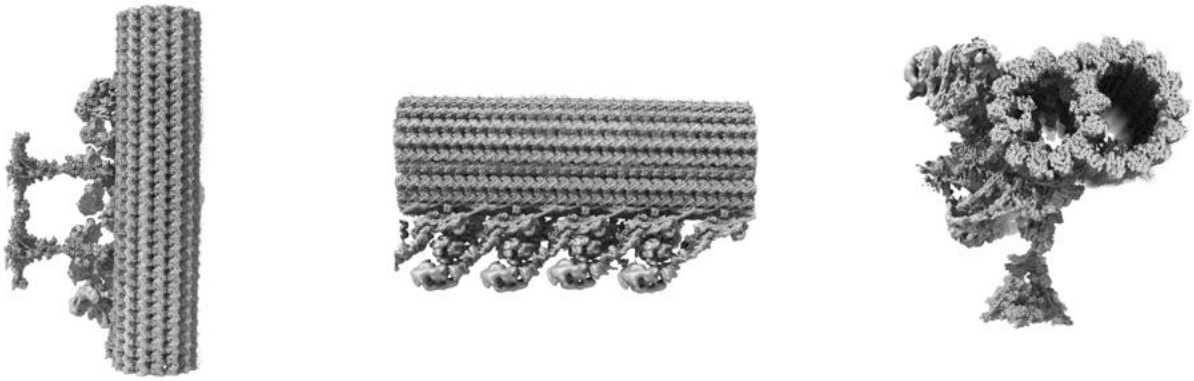
Y

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 0.01. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

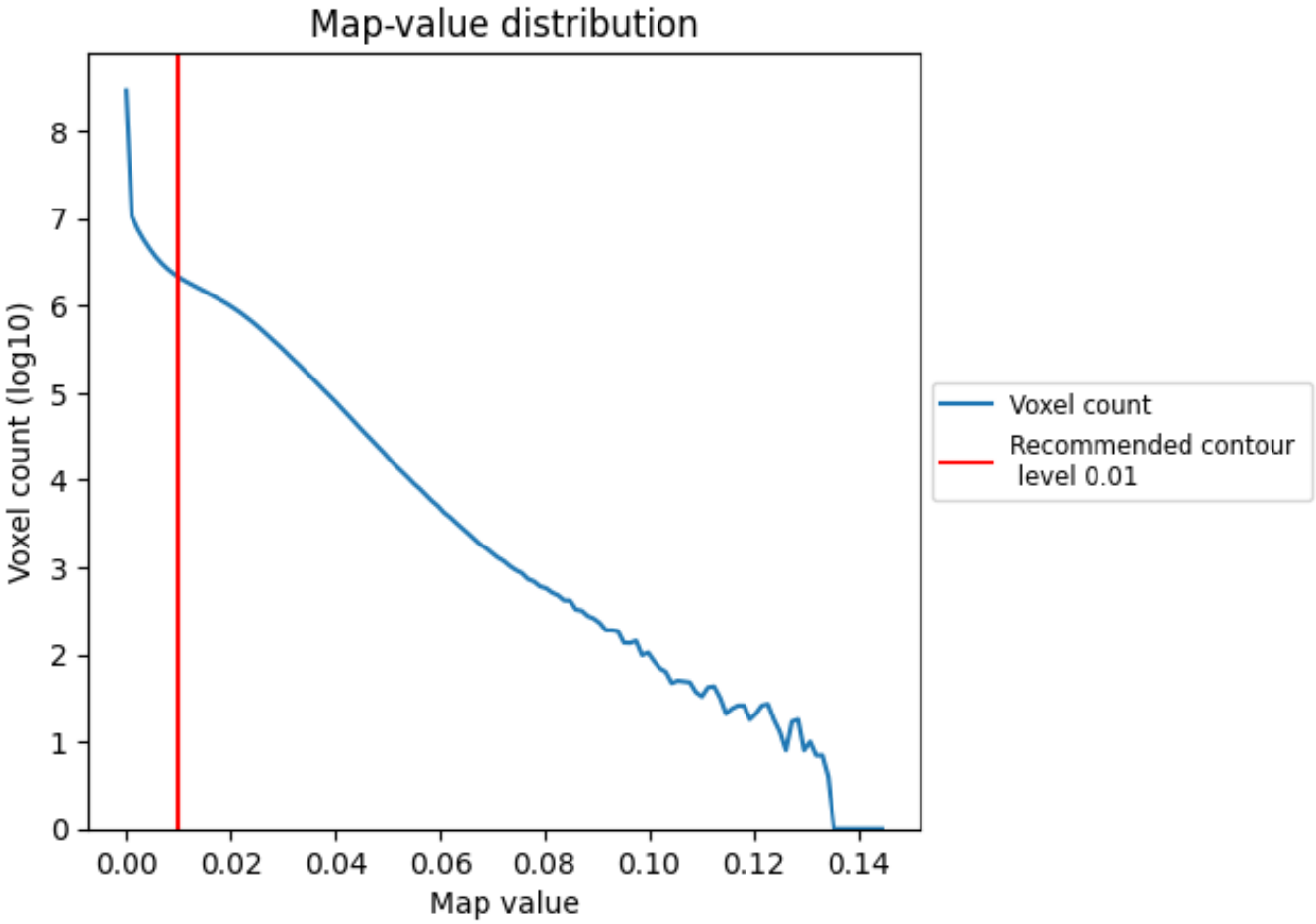
5.6 Mask visualisation (i)

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

6 Map analysis

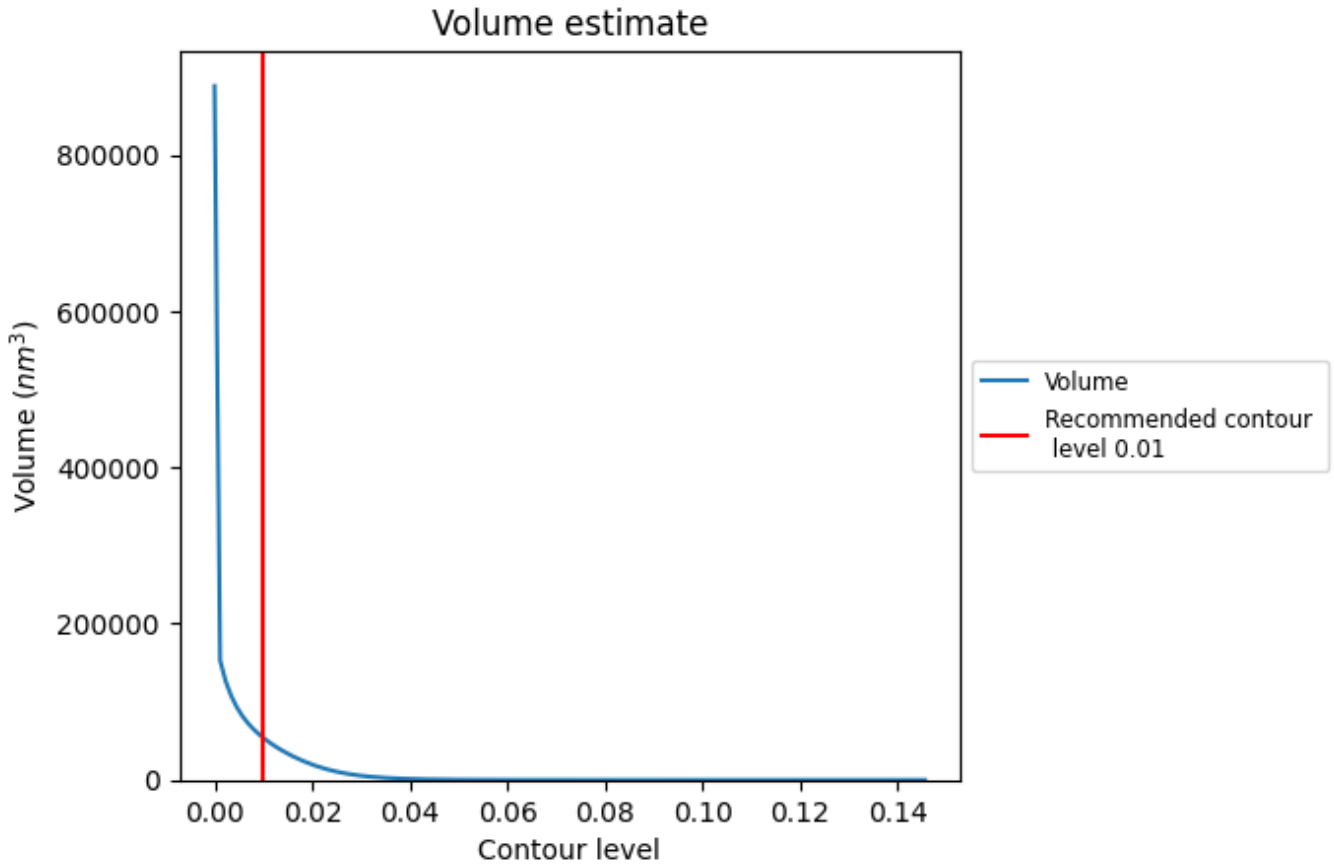
This section contains the results of statistical analysis of the map.

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 53940 nm^3; this corresponds to an approximate mass of 48725 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.

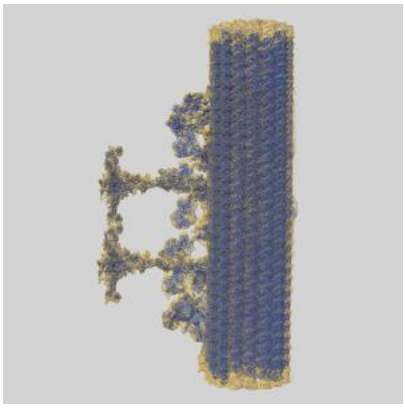
7 Fourier-Shell correlation

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

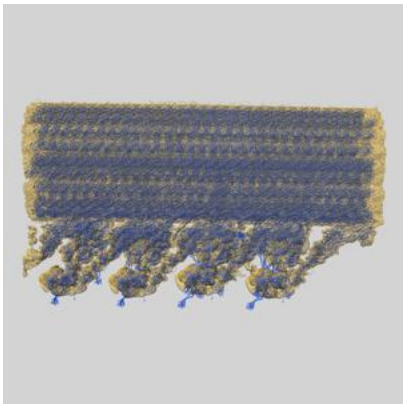
8 Map-model fit

This section contains information regarding the fit between EMDB map EMD-40220 and PDB model 8GLV. Per-residue inclusion information can be found in section ?? on page ??.

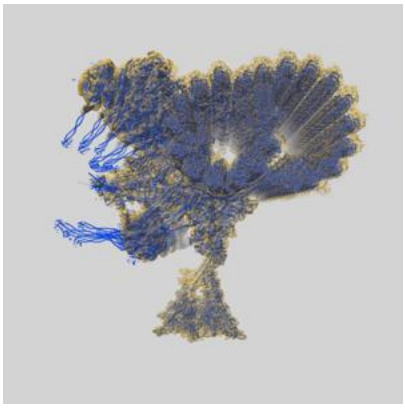
8.1 Map-model overlay



X



Y



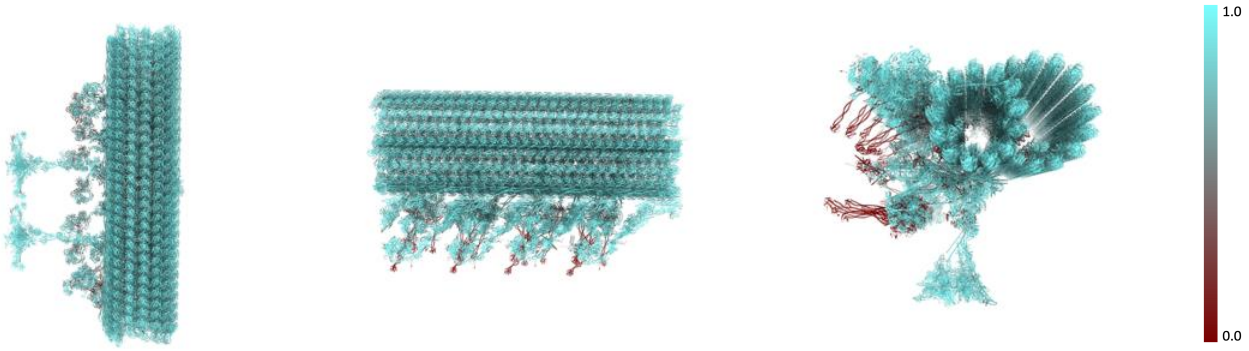
Z

The images above show the 3D surface view of the map at the recommended contour level 0.01 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.

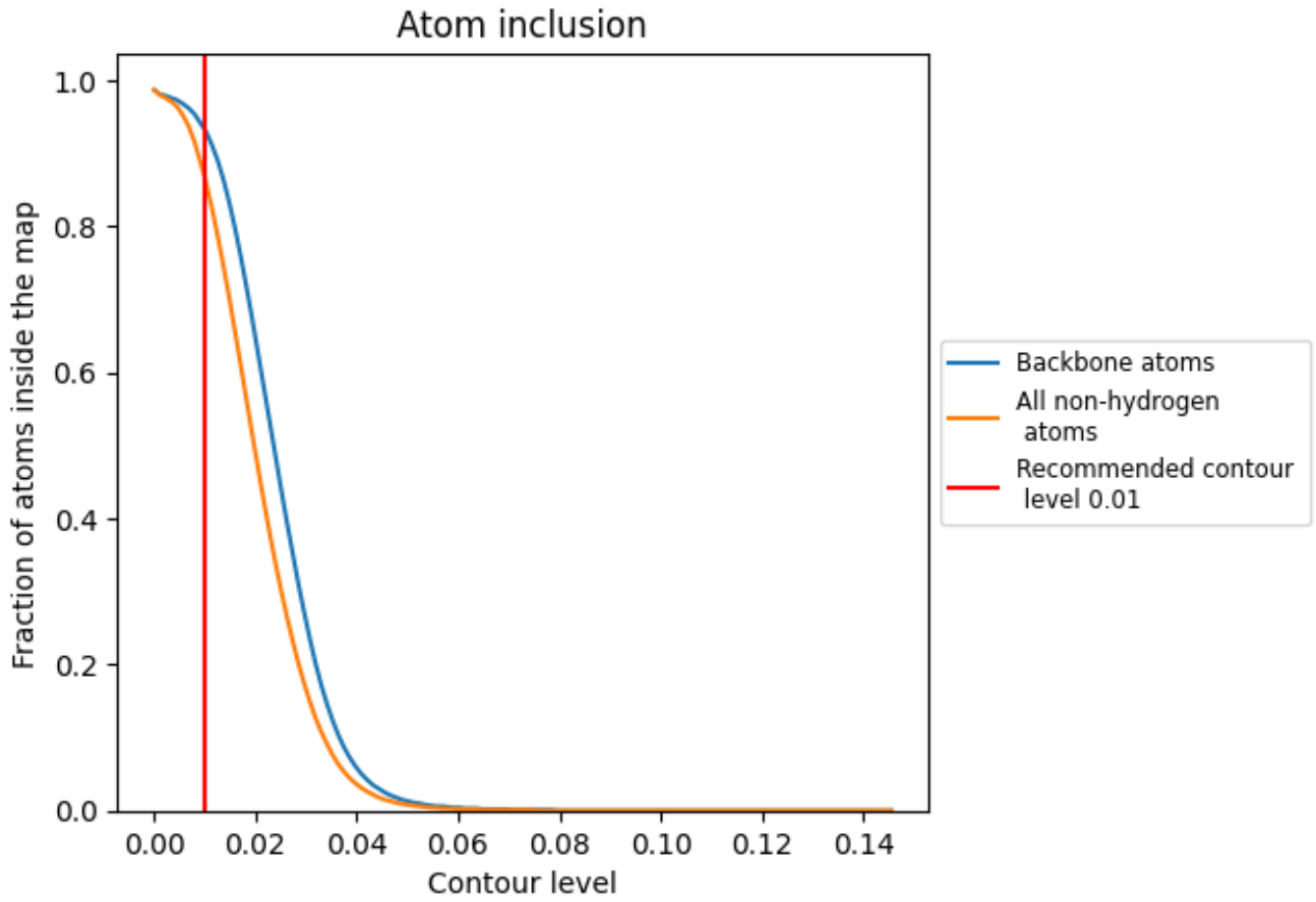
8.3 Atom inclusion mapped to coordinate model



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 (0.01).

8.4 Atom inclusion (i)



At the recommended contour level, 93% of all backbone atoms, 87% 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 (0.01) and Q-score for the entire model and for each chain.

Chain	Atom inclusion
All	0.8670
0A	0.8380
0B	0.8100
0C	0.8150
0E	0.9060
0F	0.8810
0G	0.8870
0H	0.8840
0I	0.8910
0J	0.8750
0K	0.8950
0L	0.8710
0M	0.8480
0N	0.8440
0O	0.8610
0P	0.8450
0Q	0.8680
0R	0.8410
0S	0.8260
0U	0.9130
0V	0.8990
0W	0.9040
0X	0.8890
0Y	0.8890
0Z	0.8800
1A	0.8920
1B	0.8770
1C	0.8660
1D	0.8840
1E	0.8750
1F	0.8660
1G	0.8760
1H	0.8530
1K	0.9480
1L	0.9410

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Chain	Atom inclusion
1M	0.9100
1N	0.9120
1O	0.9060
1P	0.9150
1Q	0.9200
1R	0.9050
1S	0.9180
1T	0.9330
1U	0.9290
1V	0.9320
1W	0.9260
1X	0.9230
1Z	0.8830
2A	0.8890
2B	0.9160
2C	0.9070
2D	0.8980
2E	0.9040
2F	0.8960
2G	0.9070
2H	0.8510
2I	0.8730
2J	0.8850
2K	0.8820
2L	0.8730
2M	0.8760
2N	0.8950
2P	0.8870
2Q	0.9040
2R	0.9290
2S	0.9150
2T	0.9150
2U	0.9210
2V	0.9140
2W	0.9160
2X	0.8860
2Y	0.9030
2Z	0.9000
3A	0.9010
3B	0.8900
3C	0.8870
3D	0.9110

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Chain	Atom inclusion
3F	0.8790
3G	0.8730
3H	0.9250
3I	0.9050
3J	0.9040
3K	0.9080
3L	0.9080
3M	0.8950
3N	0.8910
3O	0.8900
3P	0.9010
3Q	0.8920
3R	0.8840
3S	0.8800
3T	0.9120
3V	0.7130
3W	0.9070
3X	0.7890
3Y	0.9380
3Z	0.7850
4A	0.9210
4B	0.6510
4C	0.9250
4D	0.7970
4E	0.9220
4F	0.7570
4G	0.9200
4H	0.8060
4I	0.9290
4J	0.6730
4O	0.7900
4Q	0.8100
4R	0.9150
4W	0.7930
4X	0.7800
5C	0.6720
5D	0.7890
5E	0.9250
5F	0.9340
5H	0.9450
5I	0.9300
5J	0.9450

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Chain	Atom inclusion
5K	0.9480
5L	0.8530
5M	0.8570
5N	0.7990
5O	0.8070
5P	0.8630
5Q	0.8220
5S	0.8660
5T	0.8470
5U	0.8310
5V	0.8500
5X	0.9000
5Y	0.8710
5Z	0.8520
6A	0.8440
6B	0.8420
6C	0.6850
6D	0.8710
6E	0.8790
6F	0.9200
6G	0.8750
6H	0.9050
6I	0.8630
6J	0.8730
6K	0.8500
6L	0.8480
6M	0.8720
6N	0.8480
6O	0.8430
6P	0.8510
6Q	0.6620
6R	0.6540
6S	0.3830
6T	0.8890
6U	0.8570
6V	0.8700
6W	0.8870
6X	0.8720
6Y	0.8700
6Z	0.8550
7B	0.9510
7C	0.7870

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Chain	Atom inclusion
7D	0.8700
7E	0.8070
7G	0.8480
7H	0.6680
7I	0.8960
7J	0.8760
7K	0.8370
7M	0.9250
7N	0.8850
7P	0.6790
7Q	0.9270
7X	0.5600
7Y	0.5510
8B	0.5170
8C	0.6270
8F	0.9280
8H	0.9320
8I	0.9370
8J	0.9300
8K	0.9120
8L	0.9110
8M	0.9270
8N	0.9120
A0	0.9090
A1	0.9150
A2	0.9120
A3	0.9200
A4	0.9220
A5	0.9260
A6	0.9540
A7	0.9420
A8	0.9400
A9	0.9310
AA	0.0000
AB	0.8750
AC	0.8440
AD	0.6860
AE	0.9560
AF	0.9170
AG	0.8440
AH	0.8930
AI	0.9360

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Chain	Atom inclusion
AJ	0.9490
AK	0.9500
AL	0.9340
AM	0.9780
AN	0.9610
AO	0.9830
AP	0.9870
AQ	0.9480
AR	0.9890
AS	0.9720
AT	0.9580
AU	0.9300
AV	0.9220
AW	0.9020
AX	0.7040
AY	0.9100
AZ	0.8400
Aa	0.8780
Ab	0.8800
Ac	0.9250
Ad	0.8620
Ae	0.8670
Af	0.8140
Ag	0.8980
Ah	0.8920
Ai	0.9000
Aj	0.8940
Ak	0.9520
Al	0.9600
Am	0.9590
An	0.9510
Ao	0.9380
Ap	0.9290
Aq	0.9240
Ar	0.8830
As	0.8740
At	0.9510
Au	0.9140
Av	0.9000
Aw	0.9140
Ax	0.9540
Ay	0.9670

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Chain	Atom inclusion
Az	0.9550
B0	0.9410
B1	0.9350
B2	0.9180
B3	0.9280
B4	0.9240
B5	0.9030
B6	0.9700
B7	0.9160
B8	0.9140
B9	0.9190
BA	0.9400
BB	0.9410
BC	0.8910
BD	0.8970
BE	0.8680
BF	0.9490
BG	0.8870
BH	0.8760
BI	0.9240
BJ	0.9700
BK	0.8770
BL	0.8900
BM	0.9080
BN	0.9250
BO	0.9090
BP	0.8900
BQ	0.9180
BR	0.9320
BS	0.8850
BT	0.8870
BU	0.8850
BV	0.8960
BW	0.9800
BX	0.9690
BY	0.8800
BZ	0.8990
Ba	0.9070
Bb	0.9010
Bc	0.9480
Bd	0.9450
Be	0.9400

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Chain	Atom inclusion
Bf	0.9220
Bg	0.9190
Bh	0.9260
Bi	0.9630
Bj	0.9630
Bk	0.9610
Bl	0.9430
Bm	0.9460
Bn	0.9460
Bo	0.9440
Bp	0.9490
Bq	0.9290
Br	0.9300
Bs	0.9450
Bt	0.9480
Bu	0.9470
Bv	0.9450
Bw	0.9580
Bx	0.9400
By	0.9450
Bz	0.9600
C0	0.9260
C1	0.9140
C2	0.9460
C3	0.9570
C4	0.8890
C5	0.8690
C6	0.8980
C7	0.9200
C8	0.9130
C9	0.9310
CA	0.9550
CB	0.9290
CC	0.9530
CD	0.9310
CE	0.9380
CF	0.9460
CG	0.9400
CH	0.9370
CI	0.9500
CJ	0.9320
CK	0.9440

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Chain	Atom inclusion
CL	0.9570
CM	0.9640
CN	0.9430
CO	0.9500
CP	0.9060
CQ	0.9210
CR	0.8830
CS	0.8960
CT	0.9060
CU	0.8960
CV	0.8920
CW	0.8870
CX	0.9100
CY	0.9270
CZ	0.9290
Ca	0.9290
Cb	0.0000
Cc	0.9050
Cd	0.8880
Ce	0.8760
Cf	0.8720
Cg	0.8850
Ch	0.8840
Ci	0.8890
Cj	0.8940
Ck	0.9070
Cl	0.9170
Cm	0.9190
Cn	0.8620
Co	0.6060
Cp	0.8950
Cq	0.7070
Cr	0.8730
Cs	0.8790
Ct	0.8890
Cu	0.8720
Cv	0.8940
Cw	0.9300
Cx	0.9320
Cy	0.9450
Cz	0.9540
D0	0.9300

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Chain	Atom inclusion
D1	0.9190
D2	0.8720
D3	0.9040
D4	0.9030
D5	0.9140
D6	0.8980
D7	0.8900
D8	0.9370
D9	0.8680
DA	0.8530
DB	0.8730
DC	0.9150
DD	0.9060
DE	0.9050
DF	0.9110
DG	0.9050
DH	0.9020
DI	0.9210
DJ	0.9410
DK	0.9410
DL	0.9520
DM	0.9610
DN	0.9600
DO	0.8390
DP	0.8530
DQ	0.9370
DR	0.9350
DS	0.9280
DT	0.9370
DU	0.9220
DV	0.9360
DW	0.9500
DX	0.9530
DY	0.9420
DZ	0.9610
Da	0.9570
Db	0.8740
Dc	0.9150
Dd	0.9000
De	0.9080
Df	0.8930
Dg	0.9000

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Chain	Atom inclusion
Dh	0.8950
Di	0.9170
Dj	0.9520
Dk	0.9470
Dl	0.9280
Dm	0.9220
Dn	0.8380
Do	0.8110
Dp	0.8950
Dq	0.8370
Dr	0.8320
Ds	0.8400
Dt	0.8300
Du	0.8410
Dv	0.8540
Dw	0.8570
Dx	0.8560
Dy	0.8790
Dz	0.8850
E0	0.9030
E1	0.8540
E2	0.8870
E3	0.9090
E4	0.9070
E5	0.9050
E6	0.9060
E7	0.8960
E8	0.8500
E9	0.8790
EA	0.8330
EB	0.8450
EC	0.9150
ED	0.9260
EE	0.9170
EF	0.9300
EG	0.9190
EH	0.9330
EI	0.9100
EJ	0.9210
EK	0.9170
EL	0.9310
EM	0.4730

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Chain	Atom inclusion
EN	0.8930
EO	0.8820
EP	0.9120
EQ	0.9140
ER	0.9170
ES	0.9190
ET	0.9160
EU	0.9120
EV	0.9010
EW	0.9040
EX	0.9130
EY	0.9090
EZ	0.5490
Ea	0.5910
Eb	0.8140
Ec	0.8280
Ed	0.8380
Ee	0.8240
Ef	0.8510
Eg	0.8240
Eh	0.8390
Ei	0.8570
Ej	0.8650
Ek	0.8660
El	0.8720
Em	0.9490
En	0.7070
Eo	0.8490
Ep	0.8320
Eq	0.8290
Er	0.8090
Es	0.8370
Et	0.8010
Eu	0.8740
Ev	0.8850
Ew	0.8900
Ex	0.8820
Ey	0.6010
Ez	0.9470
F0	0.9030
F1	0.8830
F2	0.8810

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Chain	Atom inclusion
F3	0.8390
F4	0.6780
F5	0.9280
F6	0.9260
F7	0.9010
F8	0.8710
F9	0.8840
FA	0.9580
FB	0.9180
FC	0.8210
FD	0.8240
FE	0.8270
FF	0.8120
FG	0.8320
FH	0.8200
FI	0.9050
FJ	0.9120
FK	0.9130
FL	0.9110
FM	0.8930
FN	0.9290
FO	0.8430
FP	0.8720
FQ	0.8820
FR	0.8800
FS	0.8740
FT	0.8800
FU	0.8570
FV	0.9370
FW	0.9470
FX	0.9420
FY	0.9340
FZ	0.6180
Fa	0.6520
Fb	0.9030
Fc	0.8980
Fd	0.9020
Fe	0.9000
Ff	0.8810
Fg	0.8950
Fh	0.8860
Fi	0.8930

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Chain	Atom inclusion
Fj	0.8990
Fk	0.8960
Fl	0.9010
Fm	0.6760
Fn	0.8600
Fo	0.8840
Fp	0.9040
Fq	0.9150
Fr	0.9050
Fs	0.9040
Ft	0.9070
Fu	0.9000
Fv	0.8970
Fw	0.9150
Fx	0.9180
Fy	0.7180
Fz	0.9270
G0	0.9210
G1	0.9060
G2	0.9160
G3	0.8890
G4	0.8630
G5	0.8900
G6	0.8930
G7	0.8750
G8	0.8780
G9	0.8330
GA	0.8930
GB	0.9100
GC	0.9050
GD	0.9030
GE	0.9000
GF	0.9030
GG	0.8960
GH	0.8930
GI	0.8960
GJ	0.8930
GK	0.9020
GL	0.9010
GM	0.8720
GN	0.9280
GO	0.8940

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Chain	Atom inclusion
GP	0.7220
GQ	0.8960
GR	0.5780
GS	0.9690
GT	0.7970
GU	0.9300
GV	0.6250
GW	0.9130
GX	0.7320
GY	0.9530
GZ	0.9430
Ga	0.9210
Gb	0.8680
Gc	0.8600
Gd	0.9000
Ge	0.9520
Gf	0.9130
Gg	0.0000
Gh	0.7530
Gi	0.9380
Gj	0.9380
Gk	0.8830
Gl	0.8560
Gm	0.8390
Gn	0.8670
Go	0.7450
Gp	0.7270
Gq	0.7600
Gr	0.9070
Gs	0.9320
Gt	0.8750
Gu	0.8420
Gv	0.9070
Gw	0.9540
Gx	0.9480
Gy	0.8390
Gz	0.8720
H0	0.9710
H1	0.9330
H2	0.9300
H3	0.8890
H4	0.9030

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Chain	Atom inclusion
H5	0.9180
H6	0.9350
H7	0.9200
H8	0.9250
H9	0.8580
HA	0.8580
HB	0.9160
HD	0.8320
HE	0.8410
HF	0.1610
HG	0.8320
HH	0.8130
HI	0.8060
HJ	0.8500
HK	0.8810
HL	0.7880
HM	0.2000
HN	0.9030
HO	0.9520
HP	0.9010
HQ	0.9350
HS	0.8440
HT	0.8760
HU	0.9040
HV	0.8880
HW	0.9120
HX	0.9610
HY	0.6070
HZ	0.6690
Ha	0.3070
Hb	0.8710
Hc	0.8620
Hd	0.8970
He	0.9080
Hf	0.9180
Hg	0.8990
Hh	0.9620
Hi	0.9100
Hj	0.8180
Hk	0.8030
Hl	0.7670
Hm	0.9060

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Chain	Atom inclusion
Hn	0.8080
Ho	0.9490
Hp	0.9310
Hq	0.8250
Hr	0.9050
Hs	0.9510
Ht	0.9100
Hu	0.9350
Hv	0.8040
Hw	0.9470
Hx	0.9580
Hy	0.9590
Hz	0.9650
I0	0.8740
I1	0.8910
I2	0.8890
I3	0.8780
I4	0.8810
I5	0.9460
I6	0.9830
I7	0.9360
I8	0.9280
I9	0.9180
IA	0.9670
IB	0.9670
IC	0.9480
ID	0.5550
IE	0.9380
IF	0.9880
IG	0.4850
IH	0.6730
II	0.9870
IJ	0.9890
IK	0.9340
IL	0.9120
IM	0.9120
IN	0.9880
IO	0.9870
IP	0.9830
IQ	0.9550
IR	0.9290
IS	0.9560

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Chain	Atom inclusion
IT	0.9480
IU	0.9810
IV	0.9570
IW	0.9600
IX	0.9390
IY	0.9460
IZ	0.9280
Ia	0.9870
Ib	0.9820
Ic	0.9590
Id	0.9640
Ie	0.9870
If	0.9760
Ig	0.9570
Ih	0.9880
Ii	0.8740
Ij	0.8450
Ik	0.8800
Il	0.8940
Im	0.9130
In	0.9940
Io	1.0000
Ip	1.0000
Iq	1.0000
Ir	0.9810
Is	0.9900
It	1.0000
Iu	0.9780
Iv	0.8780
Iw	0.8410
Ix	0.8850
Iy	0.8900
Iz	0.8940
J0	0.9190
J1	0.9390
J2	0.9340
J3	0.9300
J4	0.9310
J5	0.8690
J6	0.8780
J7	0.8950
J8	0.8960

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Chain	Atom inclusion
J9	0.8790
JA	0.8960
JB	0.9980
JC	0.9720
JD	0.9600
JE	0.7970
JF	0.8300
JG	0.7570
JH	0.9230
JI	0.9120
JJ	0.9360
JK	0.9360
JL	0.9350
JM	0.9220
JN	0.8370
JO	0.8310
JP	0.8860
JQ	0.8870
JR	0.9230
JS	0.9200
JT	0.9320
JU	0.9440
JV	0.9270
JW	0.9360
JX	0.9410
JY	0.9460
JZ	0.9290
Ja	0.9390
Jb	0.9410
Jc	0.9710
Jd	0.9700
Je	0.9730
Jf	0.9700
Jg	0.9710
Jh	0.9470
Ji	0.9340
Jj	0.9280
Jk	0.9380
Jl	0.9550
Jm	0.9650
Jn	0.9100
Jo	0.9530

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Chain	Atom inclusion
Jp	0.9500
Jq	0.9140
Jr	0.9280
Js	0.9730
Jt	0.9400
Ju	0.8810
Jv	0.8760
Jw	0.8850
Jx	0.9080
Jy	0.9220
Jz	0.9110
K0	0.8680
K1	0.9430
K2	0.8720
K3	0.9110
K4	0.9010
K5	0.8880
K6	0.8810
K7	0.8890
K8	0.8970
K9	0.9010
KA	0.9370
KB	0.9860
KC	0.9830
KD	0.8400
KE	0.8770
KF	0.8290
KG	0.9130
KH	0.8770
KI	0.8940
KJ	0.9010
KK	0.9220
KL	0.9270
KM	0.9420
KN	0.9450
KO	0.9270
KP	0.9290
KQ	0.9630
KR	0.9760
KS	0.9720
KT	0.9680
KU	0.8820

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Chain	Atom inclusion
KV	0.9340
KW	0.9460
KX	0.9440
KY	0.9490
KZ	0.9030
Ka	0.9180
Kb	0.9300
Kc	0.9360
Kd	0.8790
Ke	0.8900
Kf	0.8640
Kg	0.7150
Kh	0.9140
Ki	0.9600
Kj	0.9540
Kk	0.9500
Kl	0.9540
Km	0.8020
Kn	0.8330
Ko	0.8320
Kp	0.8260
Kq	0.8290
Kr	0.9000
Ks	0.9080
Kt	0.8630
Ku	0.9130
Kv	0.9070
Kw	0.9500
Kx	0.9380
Ky	0.9400
Kz	0.8400
L0	0.8990
L1	0.8780
L2	0.9000
L3	0.9130
L4	0.9110
L5	0.9080
L6	0.9090
L7	0.8740
L8	0.9240
L9	0.9220
LA	0.8500

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Chain	Atom inclusion
LB	0.9000
LC	0.9370
LD	0.9470
LE	0.8790
LF	0.9180
LG	0.9070
LH	0.9540
LI	0.9580
LJ	0.9540
LK	0.9220
LL	0.8940
LM	0.8990
LN	0.8460
LO	0.7450
LP	0.6520
LQ	0.6720
LR	0.7830
LS	0.8050
LT	0.8360
LU	0.8610
LV	0.8530
LW	0.8750
LX	0.8900
LY	0.9380
LZ	0.6920
La	0.6680
Lb	0.8080
Lc	0.6250
Ld	0.9340
Le	0.9340
Lf	0.8980
Lg	0.8120
Lh	0.9320
Li	0.9060
Lj	0.9010
Lk	0.8910
Ll	0.0000
Lm	0.8510
Ln	0.8740
Lo	0.6830
Lp	0.8730
Lq	0.9210

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Chain	Atom inclusion
Lr	0.8800
Ls	0.8380
Lt	0.9080
Lu	0.9100
Lv	0.8900
Lw	0.8860
Lx	0.9000
Ly	0.9140
Lz	0.8740
M0	0.9210
M1	0.8950
M2	0.8880
M3	0.8800
M4	0.8870
M5	0.8930
M6	0.9140
M7	0.8800
M8	0.9010
M9	0.9090
MA	0.9520
MB	0.9460
MC	0.9460
MD	0.9580
ME	0.9440
MF	0.8230
MG	0.8290
MH	0.8370
MI	0.8460
MJ	0.8510
MK	0.9050
ML	0.9320
MM	0.9220
MN	0.9020
MO	0.8680
MP	0.8430
MQ	0.8250
MR	0.9080
MS	0.7880
MT	0.8740
MU	0.8790
MV	0.8960
MW	0.8890

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Chain	Atom inclusion
MX	0.9090
MY	0.9080
MZ	0.9270
Ma	0.8990
Mb	0.9370
Mc	0.9020
Md	0.6640
Me	0.7360
Mf	0.8280
Mg	0.9020
Mh	0.9150
Mi	0.9210
Mj	0.9110
Mk	0.9360
Ml	0.8560
Mm	0.6700
Ms	0.8580
Mt	0.9350
Mu	0.9520
Mv	0.9440
Mw	0.9360
N0	0.9230
N1	0.9080
N2	0.9170
N3	0.8700
N5	0.9420
N6	0.9450
N7	0.9350
N8	0.9140
N9	0.9130
NF	0.8760
NG	0.8630
NH	0.8710
NI	0.9000
NJ	0.9000
NS	0.8950
NT	0.8940
NU	0.8980
NV	0.9320
NW	0.9250
Nf	0.8900
Ng	0.8870

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Chain	Atom inclusion
Nh	0.8960
Ni	0.9190
Nj	0.9040
Ns	0.9680
Nt	0.8110
Nu	0.9070
Nv	0.5740
Nw	0.8770
Ny	0.9200
Nz	0.7830
O0	0.9040
O1	0.8980
O2	0.9120
O3	0.9100
O4	0.8590
O5	0.8750
O6	0.8820
O7	0.8740
O8	0.8890
O9	0.8730
OA	0.8310
OD	0.7420
OG	0.9190
OL	0.8330
ON	0.8310
OO	0.7770
OQ	0.8720
OV	0.9490
OY	0.8620
OZ	0.8650
Oc	0.8480
Od	0.8180
Oi	0.8460
Oj	0.8530
Ok	0.7370
Om	0.9090
On	0.9340
Op	0.9300
Ot	0.7860
Ou	0.8810
Ov	0.8670
Oy	0.6510

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Chain	Atom inclusion
Oz	0.3970
P3	0.9530
P4	0.9520
P5	0.9150
P6	0.8930
P7	0.8900
P8	0.8970
P9	0.9040
PD	0.8710
PE	0.8910
PF	0.8940
PK	0.7960
PQ	0.8370
PV	0.7830
PW	0.9470
Pe	0.6720
Pi	0.6290
Q0	0.9270
Q1	0.9160
Q2	0.9210
Q3	0.9330
Q4	0.9350
Q5	0.9350
Q6	0.9310
Q8	0.9390
Q9	0.9420
R0	0.9580
R1	0.9160
R2	0.9130
R3	0.9160
R4	0.9360
R5	0.9280
R6	0.9270
R7	0.9520
R8	0.9550
R9	0.9470
S0	0.9510
S1	0.9480
S2	0.9530
S4	0.9250
S5	0.9420
S6	0.9390

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Chain	Atom inclusion
S7	0.9440
S8	0.9470
S9	0.9270
T0	0.9300
T1	0.9310
T2	0.9480
T3	0.9150
T4	0.9180
T5	0.9060
T6	0.9150
T7	0.9170
T8	0.9320
U1	0.8610
U2	0.8540
U3	0.8950
U4	0.8710
U5	0.8780
U6	0.8810
U7	0.8930
U8	0.8870
U9	0.8240
V0	0.8090
V1	0.8190
V2	0.8250
V3	0.8110
V4	0.8110
V6	0.9080
V7	0.8940
V8	0.9120
V9	0.9360
W0	0.9380
W1	0.9310
W2	0.9440
W3	0.9440
W4	0.9540
W5	0.9370
W6	0.9400
W7	0.9370
W8	0.9440
W9	0.9370
X0	0.9420
X2	0.9020

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Chain	Atom inclusion
X3	0.8920
X4	0.8970
X5	0.9350
X6	0.9340
X7	0.9440
X8	0.9470
X9	0.9440
Y0	0.9400
Y1	0.9250
Y2	0.9140
Y3	0.9310
Y4	0.9260
Y5	0.9290
Y6	0.9170
Y8	0.8570
Y9	0.8480
Z0	0.8830
Z1	0.8940
Z2	0.8880
Z3	0.8890
Z4	0.9040
Z5	0.8870
Z6	0.9010
Z7	0.8040
Z8	0.8300
Z9	0.8170
za	0.8460
zb	0.8440
zc	0.8600
zd	0.8560
ze	0.8280
zf	0.8540
zg	0.8450
zh	0.8460
zi	0.9100
zj	0.8810
zk	0.8460
zl	0.8750
zn	0.8820
zo	0.9010
zp	0.5930
zq	0.5920

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Chain	Atom inclusion
zr	0.7730
zs	0.7710
zt	0.6550
zu	0.7040
zv	0.7280
zw	0.6180
zx	0.6340
zy	0.6770
zz	0.7040