



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 05:20 PM UTC

PDB ID : 4J75 / pdb_00004j75
Title : Crystal Structure of a parasite tRNA synthetase, product-bound
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Deposited on : 2013-02-12
Resolution : 2.40 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp>

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:

MolProbity : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

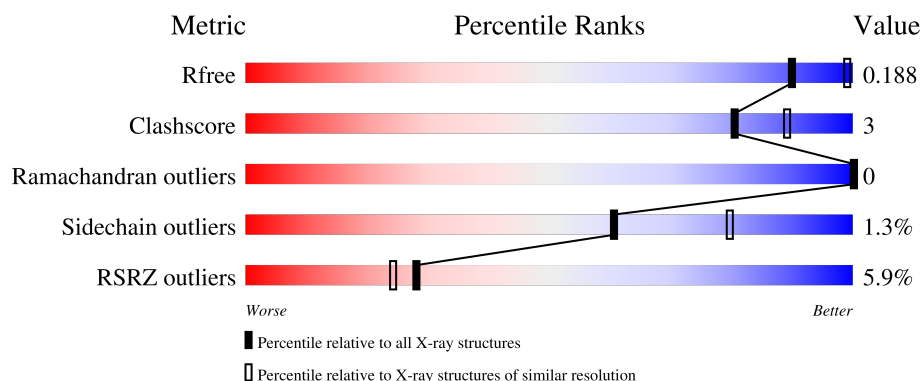
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.40 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	4912 (2.40-2.40)
Clashscore	190562	5391 (2.40-2.40)
Ramachandran outliers	187476	5320 (2.40-2.40)
Sidechain outliers	187428	5321 (2.40-2.40)
RSRZ outliers	180081	4916 (2.40-2.40)

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

Mol	Chain	Length	Quality of chain
1	A	409	3% 85% 6% 9%
1	B	409	8% 83% 8% 10%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 6372 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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.

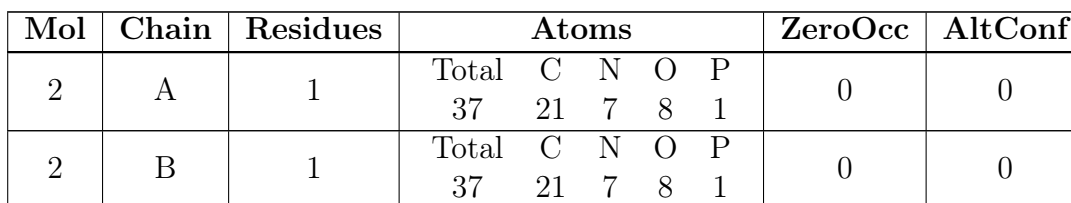
- Molecule 1 is a protein called Tryptophanyl-tRNA synthetase.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	374	Total	C	N	O	S	0	0	0
			3056	1972	509	562	13			
1	B	369	Total	C	N	O	S	0	0	0
			3017	1948	502	555	12			

There are 10 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-4	GLY	-	expression tag	UNP Q8IDW3
A	-3	PRO	-	expression tag	UNP Q8IDW3
A	-2	GLY	-	expression tag	UNP Q8IDW3
A	-1	SER	-	expression tag	UNP Q8IDW3
A	0	MET	-	expression tag	UNP Q8IDW3
B	-4	GLY	-	expression tag	UNP Q8IDW3
B	-3	PRO	-	expression tag	UNP Q8IDW3
B	-2	GLY	-	expression tag	UNP Q8IDW3
B	-1	SER	-	expression tag	UNP Q8IDW3
B	0	MET	-	expression tag	UNP Q8IDW3

- Molecule 2 is TRYPTOPHANYL-5'AMP (CCD ID: TYM) (formula: C₂₁H₂₄N₇O₈P).



- GOL
-
- The diagram shows the skeletal structure of 1,2,3-propanetriol (glycerol). The carbon backbone is represented by three vertices labeled C1, C2, and C3 in green. C1 is on the left, C2 is in the middle, and C3 is on the right. Each carbon is bonded to a hydroxyl group (OH) shown in red. The hydroxyl group on C1 is labeled O1 in green below it. The hydroxyl group on C2 is labeled O2 in green below it. The hydroxyl group on C3 is labeled O3 in green to its right. The bonds between the carbons and between the carbons and the hydroxyl groups are shown as black lines.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	1	Total C O 6 3 3	0	0
3	A	1	Total C O 6 3 3	0	0

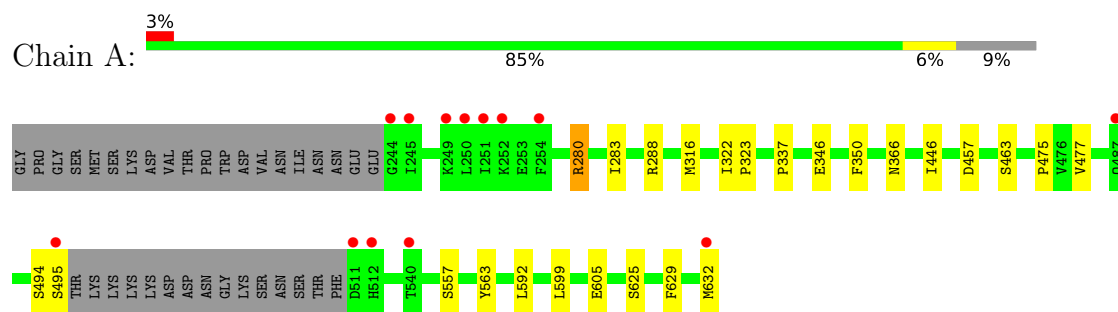
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	111	Total 111	O 111	0	0
4	B	102	Total 102	O 102	0	0

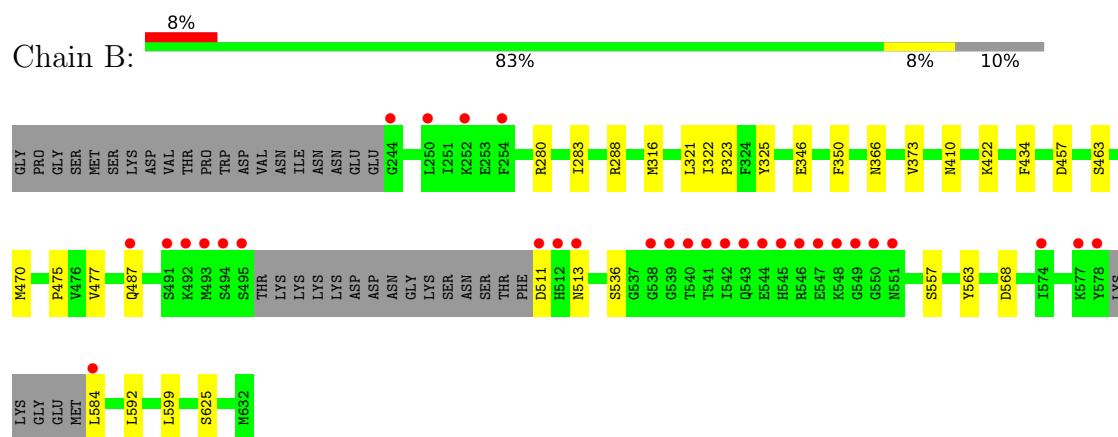
3 Residue-property plots [i](#)

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

• Molecule 1: Tryptophanyl-tRNA synthetase



• Molecule 1: Tryptophanyl-tRNA synthetase



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 2	Depositor
Cell constants a, b, c, α , β , γ	117.03Å 189.47Å 51.45Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	30.00 – 2.40 30.00 – 2.40	Depositor EDS
% Data completeness (in resolution range)	99.0 (30.00-2.40) 98.9 (30.00-2.40)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.47 (at 2.39Å)	Xtriage
Refinement program	REFMAC refmac_5.7.0032	Depositor
R, R_{free}	0.193 , 0.223 (Not available) , 0.188	Depositor DCC
R_{free} test set	2309 reflections (5.04%)	wwPDB-VP
Wilson B-factor (Å ²)	32.5	Xtriage
Anisotropy	0.256	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 33.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	6372	wwPDB-VP
Average B, all atoms (Å ²)	43.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.63% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: GOL, TYM

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	A	0.54	0/3130	0.78	0/4218
1	B	0.54	0/3090	0.77	0/4166
All	All	0.54	0/6220	0.77	0/8384

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	3056	0	3038	17	0
1	B	3017	0	2993	15	0
2	A	37	0	23	0	0
2	B	37	0	23	0	0
3	A	12	0	16	0	0
4	A	111	0	0	1	0
4	B	102	0	0	0	0
All	All	6372	0	6093	32	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 3.

All (32) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:350:PHE:CD2	1:B:422:LYS:HE3	2.28	0.68
1:A:288:ARG:NH2	1:A:457:ASP:OD1	2.28	0.65
1:A:280:ARG:HH11	1:A:280:ARG:HG2	1.65	0.60
1:A:446:ILE:HG13	4:A:900:HOH:O	2.07	0.54
1:B:511:ASP:N	1:B:513:ASN:OD1	2.43	0.52
1:A:280:ARG:HH11	1:A:280:ARG:CG	2.25	0.50
1:B:321:LEU:HB3	1:B:325:TYR:CE2	2.49	0.47
1:A:463:SER:OG	1:A:475:PRO:HG2	2.14	0.47
1:A:322:ILE:HB	1:A:323:PRO:HD3	1.97	0.46
1:B:463:SER:OG	1:B:475:PRO:HG2	2.15	0.46
1:A:288:ARG:HB2	1:A:477:VAL:HG22	1.98	0.45
1:B:434:PHE:CE2	1:B:470:MET:HE1	2.51	0.45
1:A:316:MET:HE3	1:A:366:ASN:CA	2.46	0.45
1:A:557:SER:HA	1:A:592:LEU:HD22	1.99	0.44
1:B:322:ILE:HB	1:B:323:PRO:HD3	1.99	0.44
1:A:629:PHE:HA	1:A:632:MET:HB2	2.00	0.44
1:B:280:ARG:NH2	1:B:568:ASP:OD1	2.44	0.44
1:B:599:LEU:C	1:B:599:LEU:HD23	2.43	0.43
1:B:346:GLU:O	1:B:350:PHE:HD1	2.02	0.43
1:B:557:SER:HA	1:B:592:LEU:HD22	1.99	0.43
1:B:283:ILE:HD12	1:B:563:TYR:CE2	2.53	0.43
1:A:599:LEU:HD23	1:A:599:LEU:C	2.44	0.43
1:A:316:MET:CE	1:A:366:ASN:HB3	2.49	0.43
1:A:283:ILE:HD12	1:A:563:TYR:CE2	2.54	0.42
1:B:288:ARG:HB2	1:B:477:VAL:HG22	2.00	0.42
1:A:346:GLU:O	1:A:350:PHE:HD1	2.03	0.42
1:A:337:PRO:HD3	1:A:629:PHE:CE1	2.54	0.42
1:B:316:MET:HE3	1:B:366:ASN:CA	2.50	0.41
1:A:316:MET:HE3	1:A:366:ASN:CB	2.51	0.41
1:A:494:SER:O	1:A:495:SER:HB2	2.21	0.41
1:B:288:ARG:NH2	1:B:457:ASP:OD2	2.54	0.41
1:B:316:MET:CE	1:B:366:ASN:HB3	2.52	0.40

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	370/409 (90%)	366 (99%)	4 (1%)	0	100	100
1	B	363/409 (89%)	359 (99%)	4 (1%)	0	100	100
All	All	733/818 (90%)	725 (99%)	8 (1%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	345/377 (92%)	342 (99%)	3 (1%)	70	85
1	B	341/377 (90%)	335 (98%)	6 (2%)	51	73
All	All	686/754 (91%)	677 (99%)	9 (1%)	61	80

All (9) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	280	ARG
1	A	605	GLU
1	A	625	SER
1	B	373	VAL
1	B	410	ASN
1	B	487	GLN
1	B	536	SER
1	B	584	LEU

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Mol	Chain	Res	Type
1	B	625	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (5) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	317	HIS
1	A	320	HIS
1	A	440	ASN
1	A	622	ASN
1	B	436	GLN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

4 ligands are modelled in this entry.

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	$\# Z > 2$
2	TYM	A	701	-	40,41,41	1.53	6 (15%)	58,61,61	1.77	16 (27%)
3	GOL	A	703	-	5,5,5	0.27	0	5,5,5	0.21	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
3	GOL	A	702	-	5,5,5	0.45	0	5,5,5	0.47	0
2	TYM	B	701	-	40,41,41	1.55	7 (17%)	58,61,61	1.77	15 (25%)

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
2	TYM	A	701	-	-	0/21/39/39	0/5/5/5
3	GOL	A	703	-	-	2/4/4/4	-
3	GOL	A	702	-	-	2/4/4/4	-
2	TYM	B	701	-	-	0/21/39/39	0/5/5/5

All (13) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	701	TYM	CD2-CE2	5.55	1.48	1.41
2	A	701	TYM	C5-C4	4.99	1.48	1.39
2	A	701	TYM	CD2-CE2	4.80	1.47	1.41
2	B	701	TYM	C5-C4	4.35	1.46	1.39
2	A	701	TYM	C5-C6	2.84	1.48	1.41
2	B	701	TYM	CD2-CG	2.79	1.48	1.44
2	A	701	TYM	C8-N7	2.50	1.36	1.31
2	B	701	TYM	C5-C6	2.39	1.47	1.41
2	B	701	TYM	C8-N7	2.29	1.36	1.31
2	A	701	TYM	CD2-CG	2.27	1.47	1.44
2	B	701	TYM	C5-N7	-2.20	1.35	1.39
2	A	701	TYM	C5-N7	-2.14	1.35	1.39
2	B	701	TYM	C4-N9	-2.11	1.33	1.37

All (31) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	701	TYM	C5-C4-N3	-5.37	119.32	126.72
2	B	701	TYM	C5-C4-N3	-5.04	119.77	126.72
2	B	701	TYM	CZ2-CE2-CD2	-4.49	117.85	122.19
2	A	701	TYM	N3-C4-N9	4.40	134.65	127.17
2	B	701	TYM	N3-C4-N9	4.33	134.53	127.17
2	A	701	TYM	N1-C2-N3	-3.90	122.68	128.58
2	A	701	TYM	C2-N3-C4	3.85	121.24	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	701	TYM	N1-C2-N3	-3.85	122.75	128.58
2	A	701	TYM	CZ2-CE2-CD2	-3.62	118.69	122.19
2	B	701	TYM	C2-N3-C4	3.54	120.48	111.83
2	B	701	TYM	C4-N9-C8	3.29	109.19	105.74
2	A	701	TYM	C4-C5-N7	-3.27	106.85	110.58
2	A	701	TYM	C4-N9-C8	2.94	108.83	105.74
2	B	701	TYM	C4-C5-N7	-2.75	107.44	110.58
2	A	701	TYM	CE2-NE1-CD1	2.74	111.51	109.08
2	B	701	TYM	CZ2-CE2-NE1	2.70	135.06	130.74
2	A	701	TYM	C5-N7-C8	2.39	107.20	103.45
2	B	701	TYM	N9-C8-N7	-2.36	110.58	113.94
2	B	701	TYM	C2-N1-C6	2.35	122.59	118.73
2	A	701	TYM	C6-C5-N7	2.34	136.60	132.09
2	A	701	TYM	CZ2-CE2-NE1	2.31	134.44	130.74
2	B	701	TYM	C5-N7-C8	2.30	107.06	103.45
2	A	701	TYM	CE3-CD2-CE2	2.30	121.22	118.84
2	B	701	TYM	CE3-CD2-CE2	2.21	121.13	118.84
2	B	701	TYM	CE2-NE1-CD1	2.13	110.97	109.08
2	A	701	TYM	C2-N1-C6	2.10	122.17	118.73
2	B	701	TYM	C6-C5-N7	2.05	136.04	132.09
2	A	701	TYM	CE2-CD2-CG	-2.04	105.11	107.17
2	A	701	TYM	CB-CA-C	-2.01	104.55	110.46
2	A	701	TYM	N9-C8-N7	-2.00	111.09	113.94
2	B	701	TYM	O1P-P-O2P	2.00	121.76	112.44

There are no chirality outliers.

All (4) torsion outliers are listed below:

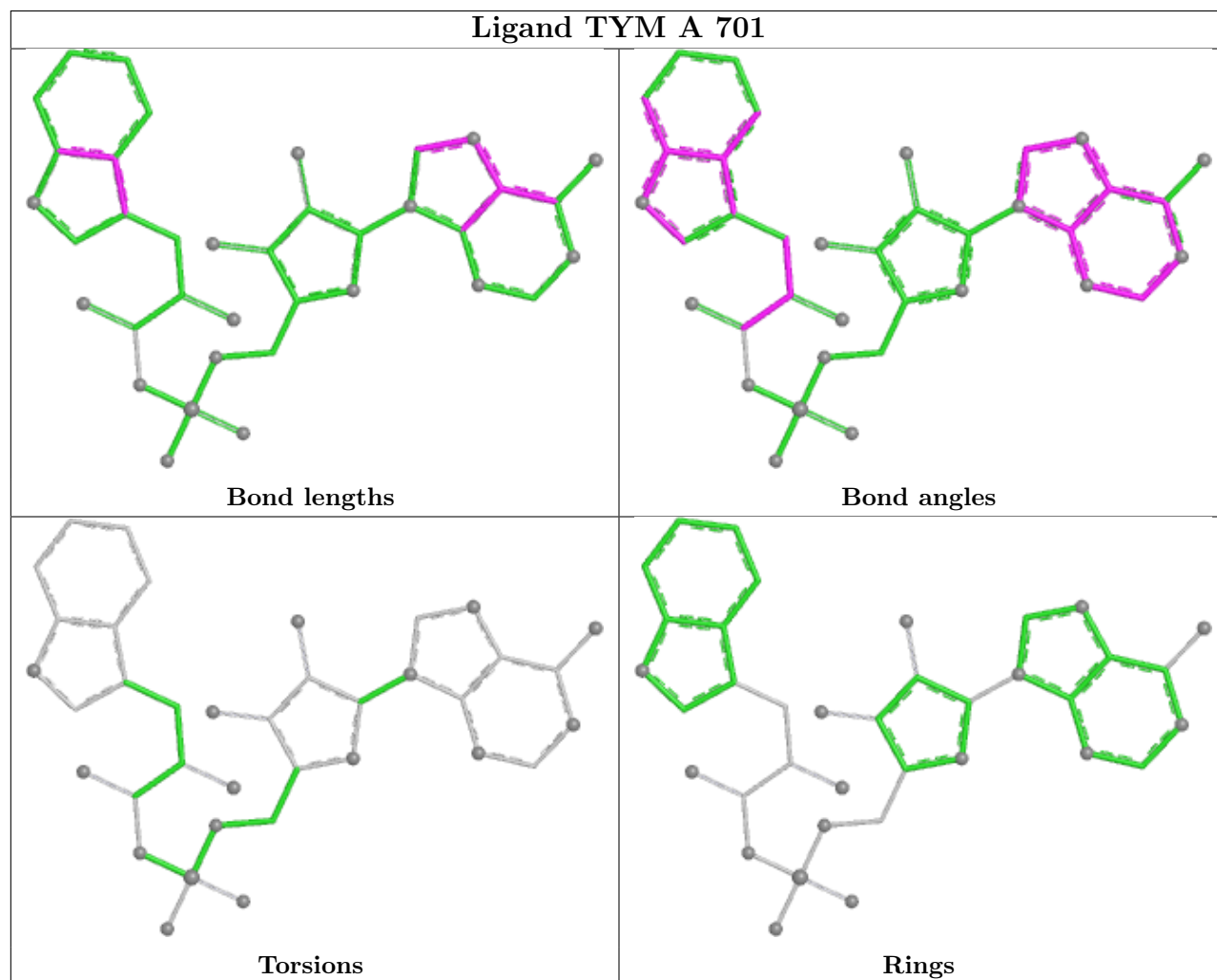
Mol	Chain	Res	Type	Atoms
3	A	703	GOL	C1-C2-C3-O3
3	A	703	GOL	O2-C2-C3-O3
3	A	702	GOL	O1-C1-C2-O2
3	A	702	GOL	C1-C2-C3-O3

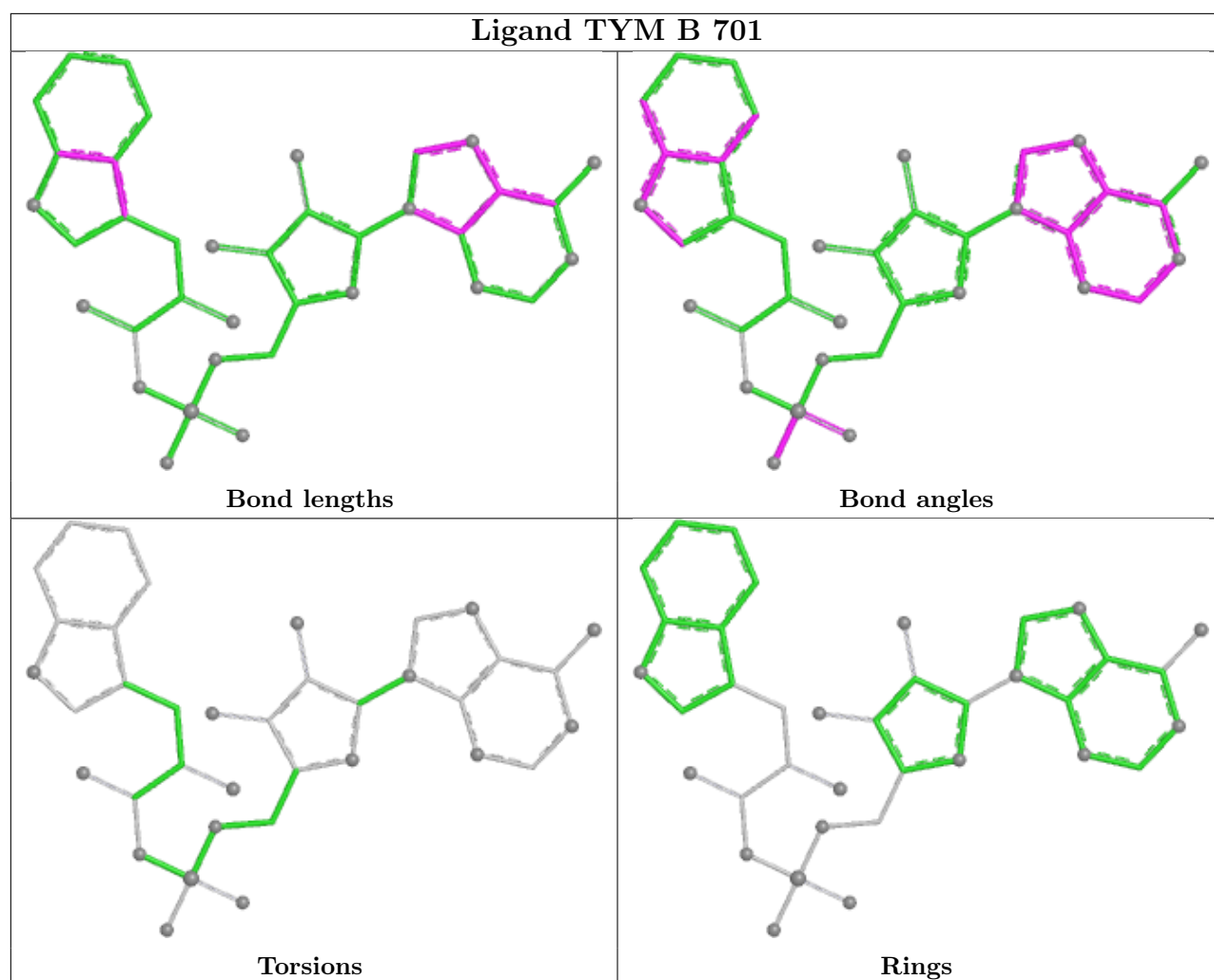
There are no ring outliers.

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 than 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.





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	374/409 (91%)	-0.10	13 (3%) 47 43	16, 35, 72, 110	0
1	B	369/409 (90%)	0.20	31 (8%) 17 14	17, 40, 97, 148	0
All	All	743/818 (90%)	0.05	44 (5%) 28 24	16, 37, 91, 148	0

All (44) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	542	ILE	4.7
1	A	254	PHE	4.7
1	B	584	LEU	4.6
1	B	543	GLN	4.3
1	B	495	SER	4.1
1	A	244	GLY	4.1
1	A	512	HIS	4.1
1	B	492	LYS	3.9
1	A	495	SER	3.8
1	B	494	SER	3.7
1	B	539	GLY	3.6
1	B	550	GLY	3.6
1	B	244	GLY	3.5
1	A	245	ILE	3.5
1	A	249	LYS	3.5
1	B	252	LYS	3.4
1	B	545	HIS	3.3
1	A	511	ASP	3.1
1	B	544	GLU	3.1
1	B	541	THR	3.0
1	B	491	SER	2.9
1	A	252	LYS	2.8
1	B	548	LYS	2.8
1	A	540	THR	2.8

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Mol	Chain	Res	Type	RSRZ
1	B	540	THR	2.8
1	B	546	ARG	2.8
1	B	512	HIS	2.8
1	B	254	PHE	2.7
1	B	547	GLU	2.6
1	B	487	GLN	2.6
1	B	513	ASN	2.5
1	A	632	MET	2.5
1	B	538	GLY	2.5
1	B	549	GLY	2.5
1	A	251	ILE	2.4
1	B	511	ASP	2.4
1	B	493	MET	2.4
1	A	250	LEU	2.3
1	B	578	TYR	2.3
1	B	577	LYS	2.2
1	B	250	LEU	2.2
1	B	574	ILE	2.2
1	B	551	ASN	2.1
1	A	487	GLN	2.0

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

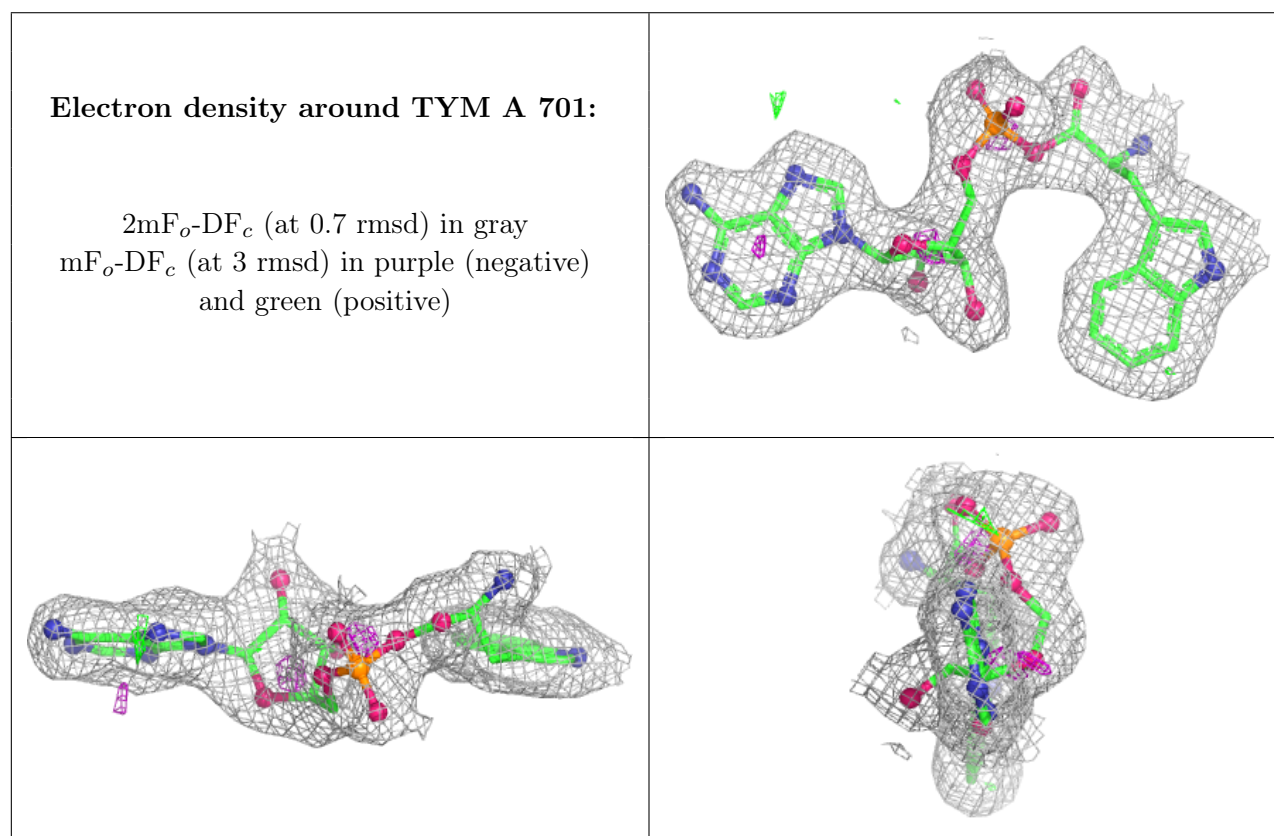
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
3	GOL	A	702	6/6	0.80	0.18	52,61,61,62	0
3	GOL	A	703	6/6	0.89	0.14	53,56,56,56	0
2	TYM	A	701	37/37	0.97	0.06	19,30,40,41	0

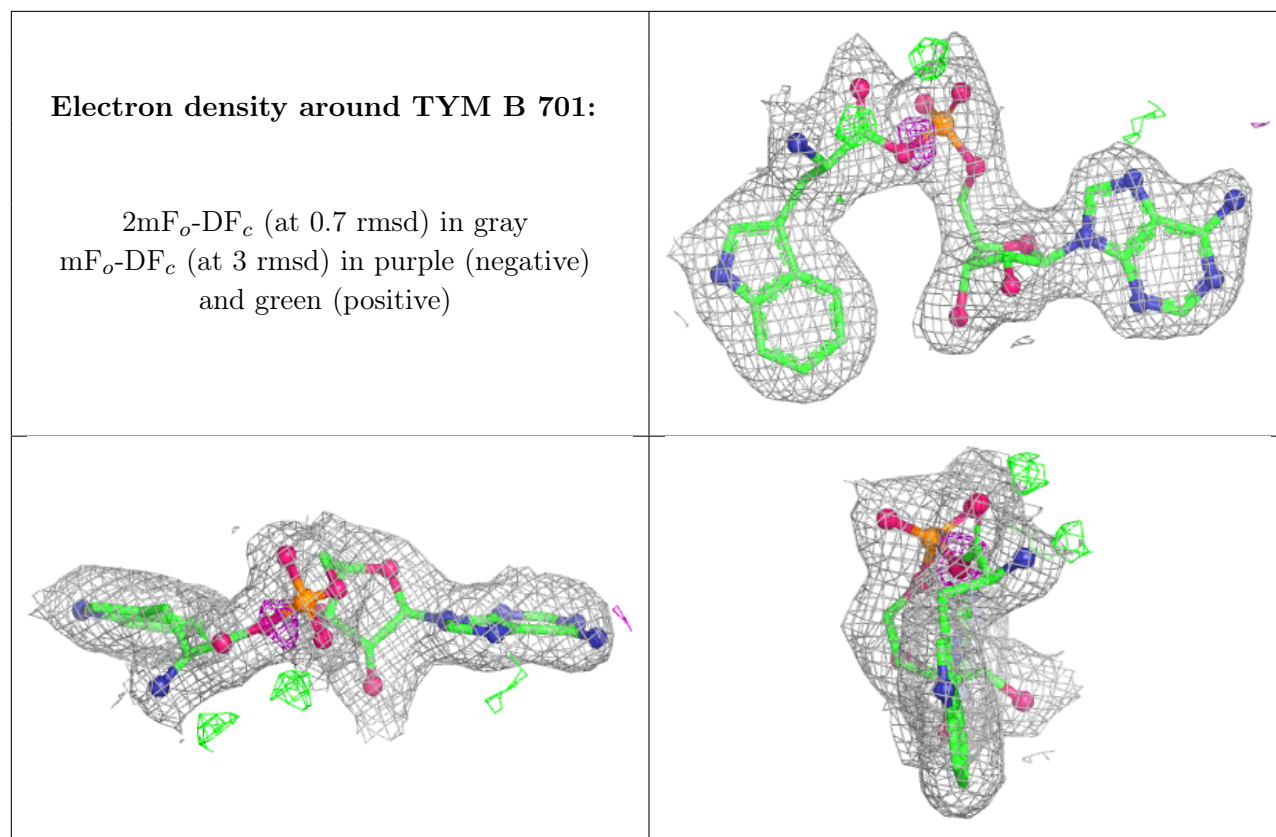
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
2	TYM	B	701	37/37	0.97	0.07	22,26,36,37	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.





6.5 Other polymers [i](#)

There are no such residues in this entry.