



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 09:49 AM UTC

PDB ID : 8BQ7 / pdb_00008bq7
Title : Structure of the mouse 8-oxoguanine DNA Glycosylase mOGG1 in complex with ligand TH2829
Authors : Scaletti, E.; Stenmark, P.
Deposited on : 2022-11-19
Resolution : 2.60 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

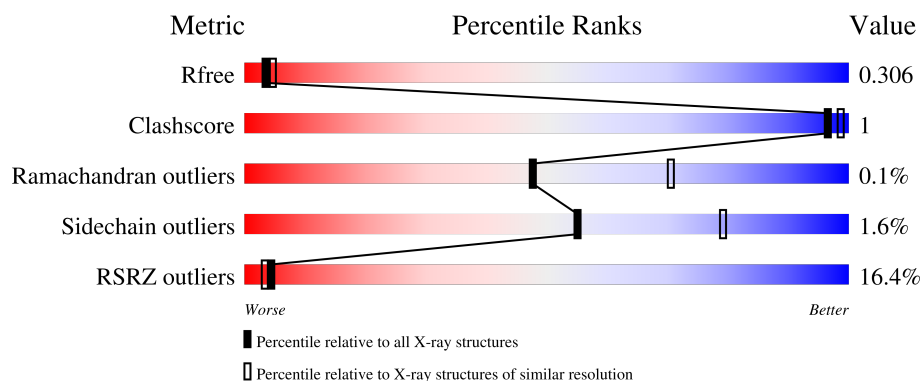
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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	4008 (2.60-2.60)
Clashscore	190562	4347 (2.60-2.60)
Ramachandran outliers	187476	4277 (2.60-2.60)
Sidechain outliers	187428	4277 (2.60-2.60)
RSRZ outliers	180081	4008 (2.60-2.60)

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	318	4% 94% ...
1	B	318	13% 93% ..
1	C	318	31% 91% 7%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 7047 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.

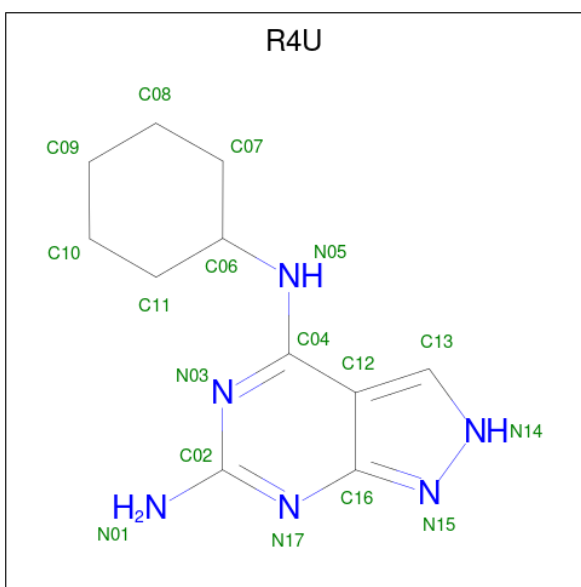
- Molecule 1 is a protein called N-glycosylase/DNA lyase.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	311	Total	C	N	O	S	0	0	0
			2427	1549	434	433	11			
1	B	305	Total	C	N	O	S	0	0	0
			2359	1509	419	420	11			
1	C	297	Total	C	N	O	S	0	1	0
			2175	1388	390	387	10			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	8	GLY	-	expression tag	UNP O08760
A	10	HIS	SER	conflict	UNP O08760
B	8	GLY	-	expression tag	UNP O08760
B	10	HIS	SER	conflict	UNP O08760
C	8	GLY	-	expression tag	UNP O08760
C	10	HIS	SER	conflict	UNP O08760

- Molecule 2 is {N}4-cyclohexyl-2 {H}-pyrazolo[3,4-d]pyrimidine-4,6-diamine (CCD ID: R4U) (formula: C₁₁H₁₆N₆) (labeled as "Ligand of Interest" by depositor).

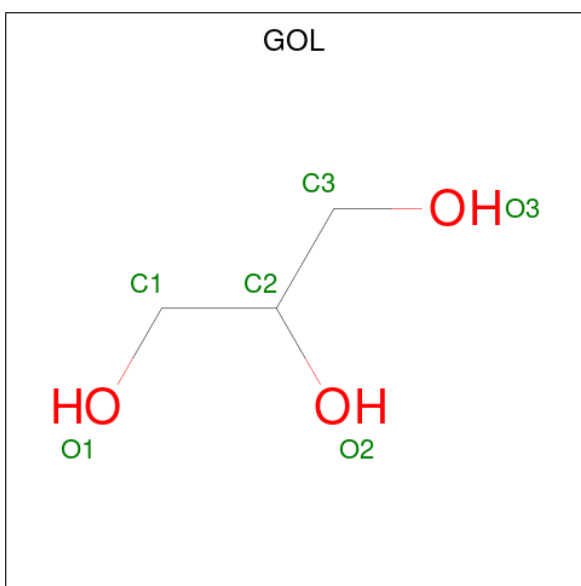


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	A	1	Total	C	N	0	0
			17	11	6		

- Molecule 3 is NICKEL (II) ION (CCD ID: NI) (formula: Ni).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	1	Total	Ni	0	0
			1	1		

- Molecule 4 is GLYCEROL (CCD ID: GOL) (formula: C₃H₈O₃).



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

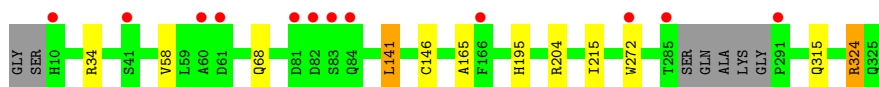
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	27	Total	O	0	0
			27	27		
5	B	25	Total	O	0	0
			25	25		
5	C	10	Total	O	0	0
			10	10		

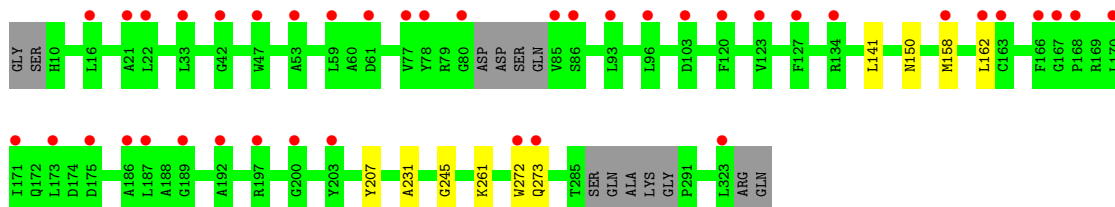
3 Residue-property plots [i](#)

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.

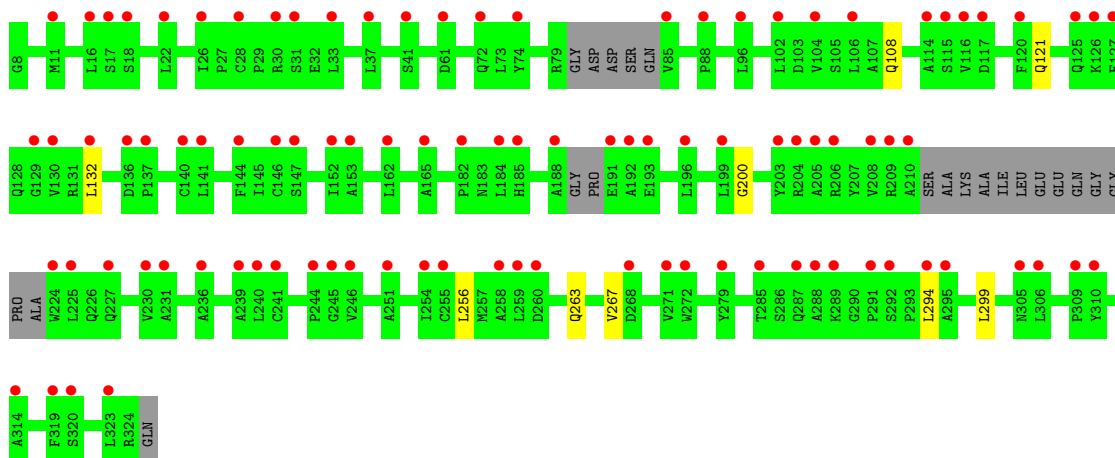
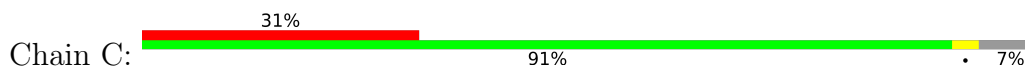
- Molecule 1: N-glycosylase/DNA lyase



- Molecule 1: N-glycosylase/DNA lyase



- Molecule 1: N-glycosylase/DNA lyase



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	80.73Å 82.09Å 169.49Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	72.99 – 2.60 72.99 – 2.60	Depositor EDS
% Data completeness (in resolution range)	99.9 (72.99-2.60) 99.9 (72.99-2.60)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.41 (at 2.62Å)	Xtriage
Refinement program	REFMAC 5.8.0352	Depositor
R, R_{free}	0.255 , 0.307 0.256 , 0.306	Depositor DCC
R_{free} test set	1773 reflections (5.01%)	wwPDB-VP
Wilson B-factor (Å ²)	72.0	Xtriage
Anisotropy	0.039	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 52.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.51$, $\langle L^2 \rangle = 0.34$	Xtriage
Estimated twinning fraction	0.004 for k,h,-l	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	7047	wwPDB-VP
Average B, all atoms (Å ²)	84.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.59% 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, NI, R4U

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	0.45	0/2496	0.79	0/3407
1	B	0.45	0/2428	0.78	0/3319
1	C	0.45	0/2234	0.78	0/3064
All	All	0.45	0/7158	0.78	0/9790

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	2427	0	2331	5	0
1	B	2359	0	2239	6	0
1	C	2175	0	1952	2	0
2	A	17	0	0	0	0
3	A	1	0	0	0	0
4	B	6	0	8	0	0
5	A	27	0	0	0	0
5	B	25	0	0	0	0
5	C	10	0	0	0	0
All	All	7047	0	6530	13	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 1.

All (13) 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:150:ASN:HD21	1:B:158:MET:HE1	1.63	0.62
1:A:324:ARG:HH11	1:A:324:ARG:HB3	1.68	0.57
1:B:231:ALA:O	1:B:261:LYS:NZ	2.35	0.56
1:A:34:ARG:HA	1:A:68:GLN:HE22	1.72	0.54
1:B:150:ASN:HD21	1:B:158:MET:CE	2.21	0.54
1:C:132:LEU:HD22	1:C:256:LEU:HG	1.91	0.52
1:A:165:ALA:HB1	1:A:195:HIS:CE1	2.46	0.50
1:B:141:LEU:HD23	1:B:141:LEU:C	2.39	0.47
1:B:162:LEU:C	1:B:162:LEU:HD23	2.39	0.47
1:B:207:TYR:CG	1:B:245:GLY:HA3	2.50	0.46
1:A:146:CYS:HA	1:A:204:ARG:HD3	1.98	0.44
1:C:267:VAL:HG13	1:C:299:LEU:HD23	2.01	0.41
1:A:141:LEU:CD1	1:A:215:ILE:HD11	2.51	0.41

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	307/318 (96%)	296 (96%)	11 (4%)	0	100	100
1	B	299/318 (94%)	285 (95%)	14 (5%)	0	100	100
1	C	290/318 (91%)	270 (93%)	19 (7%)	1 (0%)	36	58
All	All	896/954 (94%)	851 (95%)	44 (5%)	1 (0%)	48	70

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	C	200	GLY

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	249/266 (94%)	244 (98%)	5 (2%)	48	74
1	B	239/266 (90%)	237 (99%)	2 (1%)	73	88
1	C	199/266 (75%)	195 (98%)	4 (2%)	48	74
All	All	687/798 (86%)	676 (98%)	11 (2%)	55	79

All (11) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	58	VAL
1	A	141	LEU
1	A	272	TRP
1	A	315	GLN
1	A	324	ARG
1	B	272	TRP
1	B	273	GLN
1	C	108	GLN
1	C	121	GLN
1	C	263	GLN
1	C	294	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (17) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	50	GLN
1	A	68	GLN
1	A	195	HIS
1	A	315	GLN
1	B	112	HIS
1	B	135	GLN

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Mol	Chain	Res	Type
1	B	150	ASN
1	B	172	GLN
1	C	10	HIS
1	C	54	HIS
1	C	62	GLN
1	C	108	GLN
1	C	112	HIS
1	C	121	GLN
1	C	135	GLN
1	C	164	GLN
1	C	263	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](#)

Of 3 ligands modelled in this entry, 1 is monoatomic - leaving 2 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	$\# Z > 2$
2	R4U	A	401	-	16,19,19	1.63	1 (6%)	21,26,26	2.55	9 (42%)
4	GOL	B	401	-	5,5,5	0.10	0	5,5,5	0.28	0

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	R4U	A	401	-	-	2/4/12/12	0/3/3/3
4	GOL	B	401	-	-	1/4/4/4	-

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	401	R4U	C02-N01	5.76	1.45	1.33

All (9) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	401	R4U	C12-C16-N17	-7.41	118.46	126.44
2	A	401	R4U	C02-N17-C16	5.61	121.53	115.48
2	A	401	R4U	N03-C02-N17	-2.79	121.20	125.48
2	A	401	R4U	C02-N03-C04	2.70	121.01	114.59
2	A	401	R4U	C13-N14-N15	-2.24	109.16	112.59
2	A	401	R4U	C16-N15-N14	2.23	108.88	103.16
2	A	401	R4U	C04-C12-C16	2.19	118.89	116.20
2	A	401	R4U	C12-C04-N03	-2.11	118.91	122.07
2	A	401	R4U	C04-N05-C06	-2.10	120.64	124.18

There are no chirality outliers.

All (3) torsion outliers are listed below:

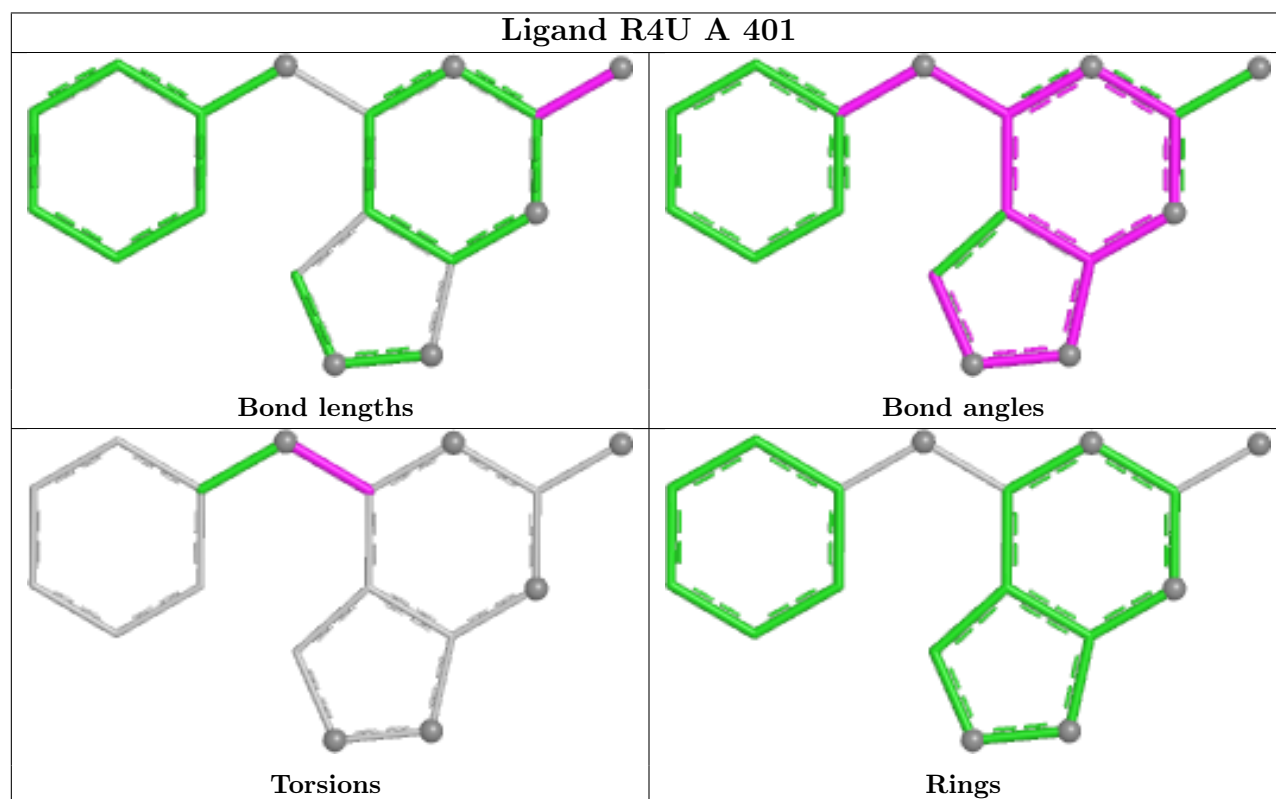
Mol	Chain	Res	Type	Atoms
2	A	401	R4U	N03-C04-N05-C06
2	A	401	R4U	C12-C04-N05-C06
4	B	401	GOL	O2-C2-C3-O3

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	311/318 (97%)	0.39	12 (3%) 43 38	45, 63, 100, 133	0
1	B	305/318 (95%)	1.04	41 (13%) 7 5	50, 85, 120, 139	0
1	C	297/318 (93%)	1.63	97 (32%) 1 1	44, 104, 138, 160	2 (0%)
All	All	913/954 (95%)	1.01	150 (16%) 4 3	44, 83, 126, 160	2 (0%)

All (150) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	85	VAL	4.6
1	C	203	TYR	4.6
1	C	210	ALA	4.6
1	C	289	LYS	4.3
1	B	85	VAL	4.3
1	B	22	LEU	4.2
1	C	319	PHE	4.0
1	C	224	TRP	3.9
1	C	231	ALA	3.7
1	C	310	TYR	3.7
1	C	16	LEU	3.6
1	C	240	LEU	3.4
1	C	129	GLY	3.4
1	C	314	ALA	3.4
1	B	173	LEU	3.3
1	C	192	ALA	3.3
1	B	77	VAL	3.3
1	C	115	SER	3.3
1	C	137	PRO	3.3
1	C	184	LEU	3.3
1	C	146	CYS	3.3
1	C	26	ILE	3.3
1	C	255	CYS	3.2

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Mol	Chain	Res	Type	RSRZ
1	C	208	VAL	3.2
1	C	246	VAL	3.2
1	C	294	LEU	3.2
1	B	168	PRO	3.1
1	C	320	SER	3.1
1	B	21	ALA	3.1
1	C	225	LEU	3.1
1	C	260	ASP	3.0
1	A	81	ASP	2.9
1	A	272	TRP	2.9
1	C	140	CYS	2.9
1	B	323	LEU	2.9
1	C	147	SER	2.8
1	B	80	GLY	2.8
1	C	41	SER	2.8
1	C	152	ILE	2.8
1	B	93	LEU	2.7
1	C	251	ALA	2.7
1	B	158	MET	2.7
1	A	41	SER	2.7
1	B	189	GLY	2.7
1	B	47	TRP	2.7
1	C	205	ALA	2.7
1	C	141	LEU	2.6
1	A	285	THR	2.6
1	B	59	LEU	2.6
1	B	163	CYS	2.6
1	C	287	GLN	2.6
1	C	323	LEU	2.6
1	C	116	VAL	2.6
1	B	171	ILE	2.6
1	B	162	LEU	2.6
1	C	193	GLU	2.6
1	C	28	CYS	2.6
1	C	241	CYS	2.6
1	C	165	ALA	2.6
1	B	16	LEU	2.5
1	B	42	GLY	2.5
1	C	291	PRO	2.5
1	B	53	ALA	2.5
1	C	72	GLN	2.5
1	A	61	ASP	2.5

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Mol	Chain	Res	Type	RSRZ
1	B	103	ASP	2.5
1	C	61	ASP	2.5
1	C	196	LEU	2.5
1	A	60	ALA	2.5
1	C	258	ALA	2.5
1	C	295	ALA	2.5
1	C	74	TYR	2.4
1	B	123	VAL	2.4
1	B	273	GLN	2.4
1	B	272	TRP	2.4
1	C	117	ASP	2.4
1	C	136	ASP	2.4
1	B	200	GLY	2.4
1	C	102	LEU	2.4
1	C	191	GLU	2.4
1	C	244	PRO	2.4
1	A	84	GLN	2.4
1	C	239	ALA	2.4
1	B	96	LEU	2.4
1	B	120	PHE	2.4
1	C	96	LEU	2.3
1	C	268	ASP	2.3
1	B	186	ALA	2.3
1	C	37	LEU	2.3
1	C	306	LEU	2.3
1	B	203	TYR	2.3
1	C	130	VAL	2.3
1	C	254	ILE	2.3
1	C	17	SER	2.3
1	C	31	SER	2.3
1	C	206	ARG	2.3
1	C	209	ARG	2.3
1	B	170	LEU	2.3
1	C	144	PHE	2.3
1	C	114	ALA	2.3
1	C	188	ALA	2.3
1	B	167	GLY	2.3
1	C	230	VAL	2.3
1	C	259	LEU	2.3
1	C	236	ALA	2.2
1	B	78	TYR	2.2
1	B	197	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
1	A	82	ASP	2.2
1	C	227	GLN	2.2
1	C	245	GLY	2.2
1	C	132	LEU	2.2
1	C	162	LEU	2.2
1	B	134	ARG	2.2
1	C	30	ARG	2.2
1	C	33	LEU	2.2
1	C	106	LEU	2.2
1	C	104	VAL	2.2
1	C	271	VAL	2.2
1	B	127	PHE	2.2
1	B	192	ALA	2.2
1	C	182	PRO	2.2
1	C	125	GLN	2.2
1	C	126	LYS	2.2
1	B	166	PHE	2.2
1	C	120	PHE	2.2
1	C	288	ALA	2.1
1	C	88	PRO	2.1
1	B	187	LEU	2.1
1	C	185	HIS	2.1
1	B	33	LEU	2.1
1	B	175	ASP	2.1
1	C	127	PHE	2.1
1	C	153	ALA	2.1
1	C	285	THR	2.1
1	C	309	PRO	2.1
1	C	305[A]	ASN	2.1
1	C	292	SER	2.1
1	C	199	LEU	2.1
1	C	204	ARG	2.0
1	A	83	SER	2.0
1	C	18	SER	2.0
1	C	272	TRP	2.0
1	A	291	PRO	2.0
1	C	11	MET	2.0
1	C	22	LEU	2.0
1	A	166	PHE	2.0
1	B	61	ASP	2.0
1	B	86	SER	2.0
1	A	10	HIS	2.0

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Mol	Chain	Res	Type	RSRZ
1	C	279	TYR	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](#)

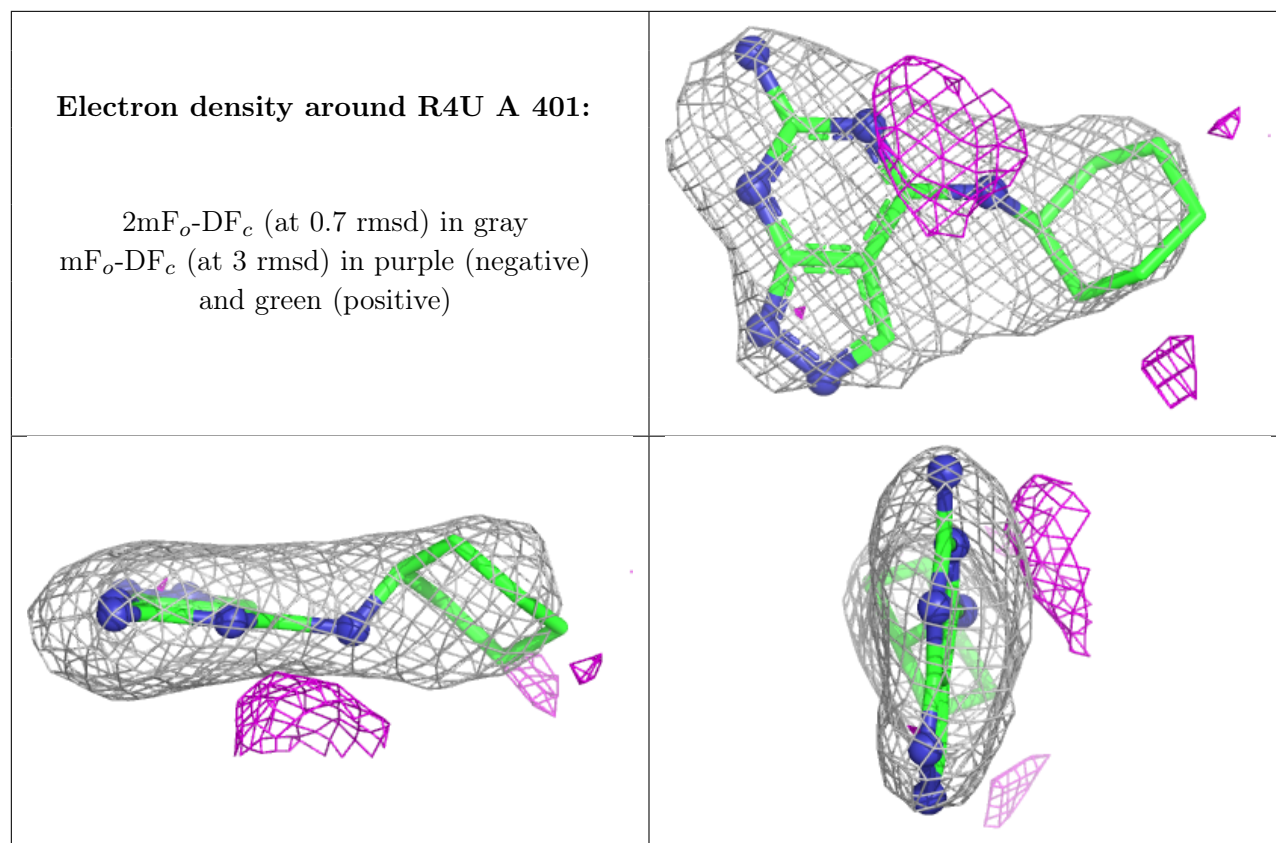
There are no oligosaccharides in this entry.

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
4	GOL	B	401	6/6	0.84	0.15	76,77,78,79	0
2	R4U	A	401	17/17	0.90	0.18	79,81,87,88	0
3	NI	A	402	1/1	1.00	0.06	56,56,56,56	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.