



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 7, 2026 – 04:31 AM UTC

PDB ID : 8AU3 / pdb_00008au3
Title : c-MET Y1234E,Y1235E mutant in complex with Tepotinib
Authors : Graedler, U.; Lammens, A.
Deposited on : 2022-08-25
Resolution : 2.26 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

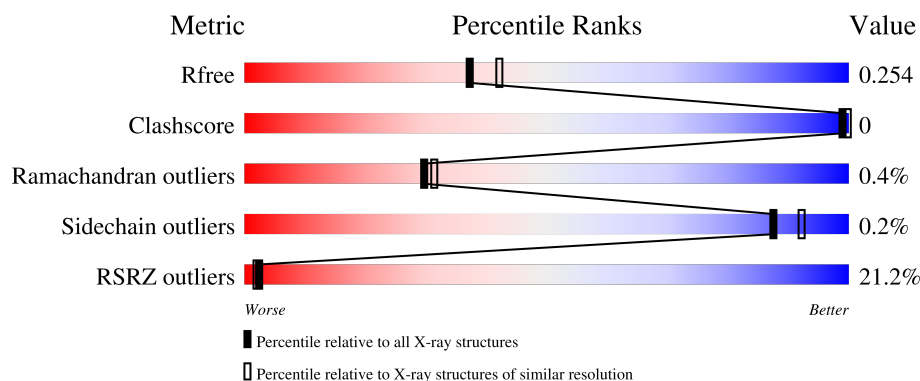
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.26 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	1898 (2.26-2.26)
Clashscore	190562	2005 (2.26-2.26)
Ramachandran outliers	187476	1965 (2.26-2.26)
Sidechain outliers	187428	1966 (2.26-2.26)
RSRZ outliers	180081	1898 (2.26-2.26)

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	299	16% 93% • 5%
1	B	299	24% 92% •• 6%

2 Entry composition [i](#)

There are 5 unique types of molecules in this entry. The entry contains 4685 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.

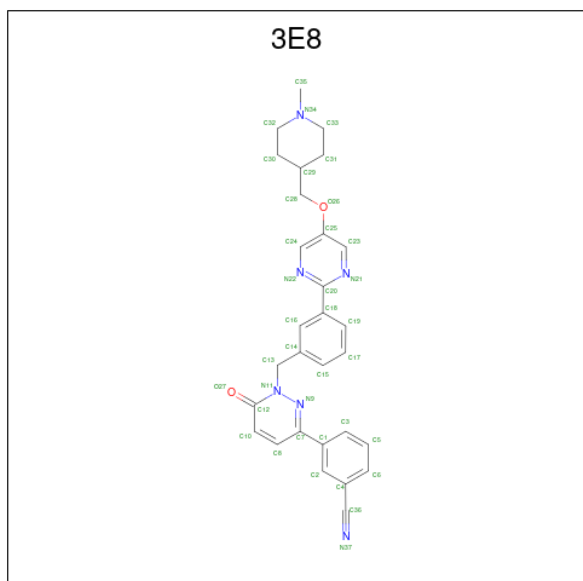
- Molecule 1 is a protein called Hepatocyte growth factor receptor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	285	Total	C	N	O	S	51	0	0
			2272	1467	387	403	15			
1	B	281	Total	C	N	O	S	50	0	0
			2238	1445	381	397	15			

There are 4 discrepancies between the modelled and reference sequences:

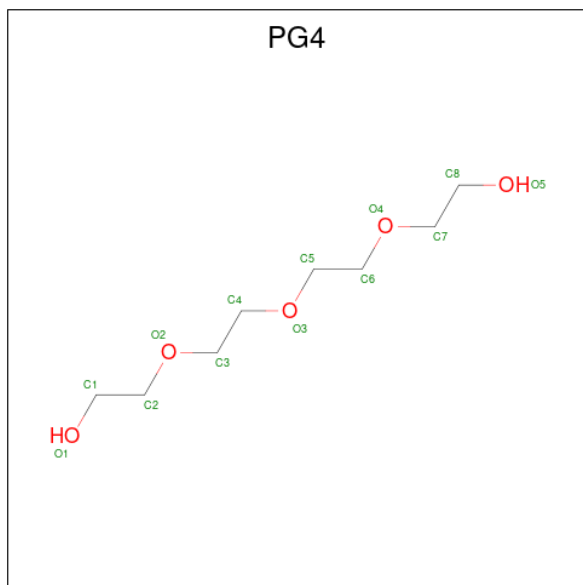
Chain	Residue	Modelled	Actual	Comment	Reference
A	1234	GLU	TYR	engineered mutation	UNP P08581
A	1235	GLU	TYR	engineered mutation	UNP P08581
B	1234	GLU	TYR	engineered mutation	UNP P08581
B	1235	GLU	TYR	engineered mutation	UNP P08581

- Molecule 2 is 3-[1-(3-{5-[(1-methylpiperidin-4-yl)methoxy]pyrimidin-2-yl}benzyl)-6-oxo-1,6-dihydropyridazin-3-yl]benzonitrile (CCD ID: 3E8) (formula: C₂₉H₂₈N₆O₂) (labeled as "Ligand of Interest" by depositor).



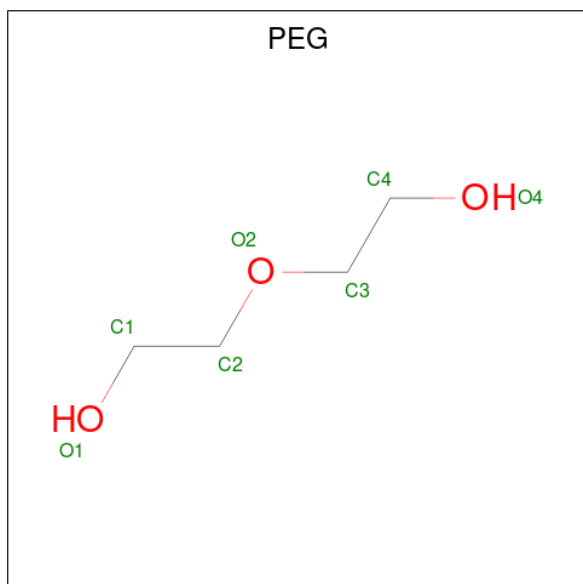
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	A	1	Total	C	N	O	0	0
			37	29	6	2		
2	B	1	Total	C	N	O	0	0
			37	29	6	2		

- Molecule 3 is TETRAETHYLENE GLYCOL (CCD ID: PG4) (formula: $C_8H_{18}O_5$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	B	1	Total	C	O	0	0
			13	8	5		

- Molecule 4 is DI(HYDROXYETHYL)ETHER (CCD ID: PEG) (formula: $C_4H_{10}O_3$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	B	1	Total	C	O	0	0
			7	4	3		

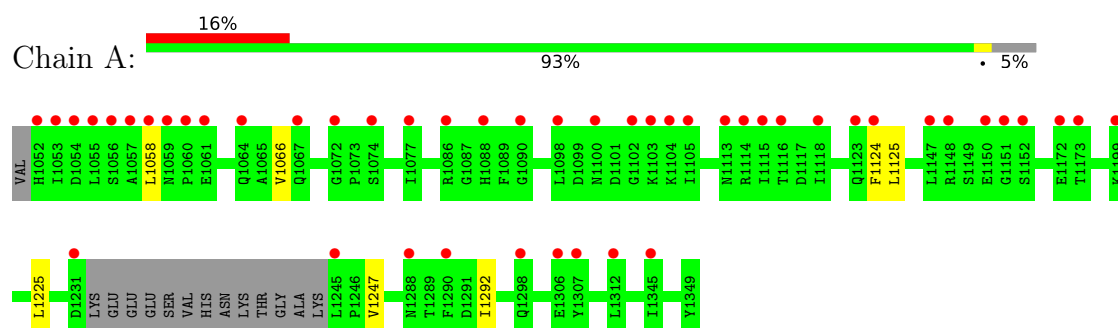
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	45	Total	O	0	0
			45	45		
5	B	36	Total	O	0	0
			36	36		

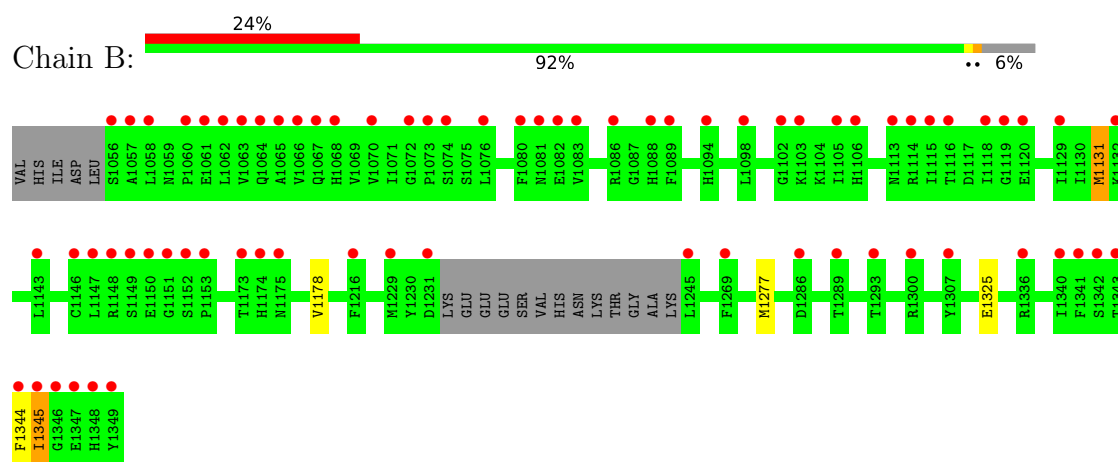
3 Residue-property plots [i](#)

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: Hepatocyte growth factor receptor



- Molecule 1: Hepatocyte growth factor receptor



4 Data and refinement statistics

Property	Value	Source
Space group	F 2 2 2	Depositor
Cell constants a, b, c, α , β , γ	116.68Å 139.12Å 240.12Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	120.06 – 2.26 120.06 – 2.26	Depositor EDS
% Data completeness (in resolution range)	61.4 (120.06-2.26) 61.6 (120.06-2.26)	Depositor EDS
R_{merge}	0.09	Depositor
R_{sym}	0.09	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.62 (at 2.25Å)	Xtriage
Refinement program	REFMAC 5.8.0155	Depositor
R, R_{free}	0.197 , 0.240 0.208 , 0.254	Depositor DCC
R_{free} test set	822 reflections (2.91%)	wwPDB-VP
Wilson B-factor (Å ²)	59.2	Xtriage
Anisotropy	0.066	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 50.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	4685	wwPDB-VP
Average B, all atoms (Å ²)	71.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.35% 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: 3E8, PEG, PG4

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	0.81	1/2329 (0.0%)	1.02	0/3155
1	B	0.81	0/2294	1.05	3/3107 (0.1%)
All	All	0.81	1/4623 (0.0%)	1.04	3/6262 (0.0%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	1058	LEU	CA-C	5.64	1.55	1.52

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	1344	PHE	N-CA-C	6.26	119.00	110.55
1	B	1131	MET	N-CA-C	5.30	122.09	110.80
1	B	1345	ILE	N-CA-C	5.03	119.81	109.34

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	2272	0	2285	3	0
1	B	2238	0	2252	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	A	37	0	28	0	0
2	B	37	0	28	0	0
3	B	13	0	18	0	0
4	B	7	0	10	0	0
5	A	45	0	0	0	0
5	B	36	0	0	0	0
All	All	4685	0	4621	4	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 0.

All (4) 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:A:1066:VAL:HG21	1:A:1125:LEU:HB3	1.84	0.59
1:B:1178:VAL:HG13	1:B:1277:MET:HE1	1.94	0.50
1:A:1247:VAL:CG1	1:A:1292:ILE:HG21	2.47	0.44
1:A:1124:PHE:CD1	1:A:1225:LEU:HD22	2.54	0.43

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all 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	281/299 (94%)	269 (96%)	12 (4%)	0	100	100
1	B	277/299 (93%)	267 (96%)	8 (3%)	2 (1%)	18	17
All	All	558/598 (93%)	536 (96%)	20 (4%)	2 (0%)	30	31

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	1131	MET
1	B	1345	ILE

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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	253/265 (96%)	253 (100%)	0	100	100
1	B	249/265 (94%)	248 (100%)	1 (0%)	84	89
All	All	502/530 (95%)	501 (100%)	1 (0%)	87	92

All (1) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	1325	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (3) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	1106	HIS
1	B	1094	HIS
1	B	1171	ASN

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	$\# Z > 2$
4	PEG	B	1403	-	6,6,6	0.56	0	5,5,5	0.42	0
2	3E8	B	1401	-	41,41,41	0.97	2 (4%)	55,56,56	1.97	13 (23%)
3	PG4	B	1402	-	12,12,12	0.45	0	11,11,11	0.35	0
2	3E8	A	1401	-	41,41,41	0.94	2 (4%)	55,56,56	1.96	14 (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
4	PEG	B	1403	-	-	2/4/4/4	-
2	3E8	B	1401	-	-	0/19/29/29	0/5/5/5
3	PG4	B	1402	-	-	6/10/10/10	-
2	3E8	A	1401	-	-	0/19/29/29	0/5/5/5

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	1401	3E8	N11-N9	-2.75	1.30	1.37
2	B	1401	3E8	N11-N9	-2.68	1.30	1.37
2	B	1401	3E8	C23-C25	2.41	1.41	1.38
2	A	1401	3E8	C3-C1	2.08	1.42	1.39

All (27) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	1401	3E8	C7-N9-N11	6.83	126.95	118.14
2	A	1401	3E8	C7-N9-N11	6.39	126.38	118.14
2	A	1401	3E8	C14-C13-N11	-5.55	104.18	112.76
2	B	1401	3E8	C24-N22-C20	4.64	122.79	116.31
2	B	1401	3E8	C18-C20-N21	4.45	122.11	117.34
2	A	1401	3E8	C24-N22-C20	4.35	122.39	116.31
2	A	1401	3E8	C23-N21-C20	3.90	121.76	116.31
2	B	1401	3E8	C23-N21-C20	3.86	121.70	116.31
2	B	1401	3E8	C12-N11-N9	-3.81	119.57	125.62
2	A	1401	3E8	C12-N11-N9	-3.49	120.07	125.62
2	B	1401	3E8	C8-C7-N9	-3.49	116.39	122.18
2	A	1401	3E8	C8-C7-N9	-3.36	116.61	122.18
2	B	1401	3E8	C28-O26-C25	3.21	124.92	117.85
2	B	1401	3E8	N21-C20-N22	-3.12	118.77	125.54
2	B	1401	3E8	C14-C13-N11	-3.10	107.97	112.76
2	A	1401	3E8	C18-C20-N21	3.07	120.63	117.34
2	A	1401	3E8	N21-C20-N22	-2.92	119.22	125.54
2	A	1401	3E8	C28-O26-C25	2.88	124.19	117.85
2	B	1401	3E8	C1-C7-N9	2.77	119.32	115.33
2	A	1401	3E8	C1-C7-N9	2.53	118.98	115.33
2	A	1401	3E8	C25-C24-N22	-2.42	119.68	122.67
2	B	1401	3E8	C25-C24-N22	-2.28	119.86	122.67
2	B	1401	3E8	O27-C12-C10	-2.14	118.28	124.35
2	B	1401	3E8	C25-C23-N21	-2.10	120.07	122.67
2	A	1401	3E8	C18-C20-N22	2.06	119.55	117.34
2	A	1401	3E8	O27-C12-C10	-2.02	118.63	124.35
2	A	1401	3E8	C33-N34-C32	2.01	112.74	109.54

There are no chirality outliers.

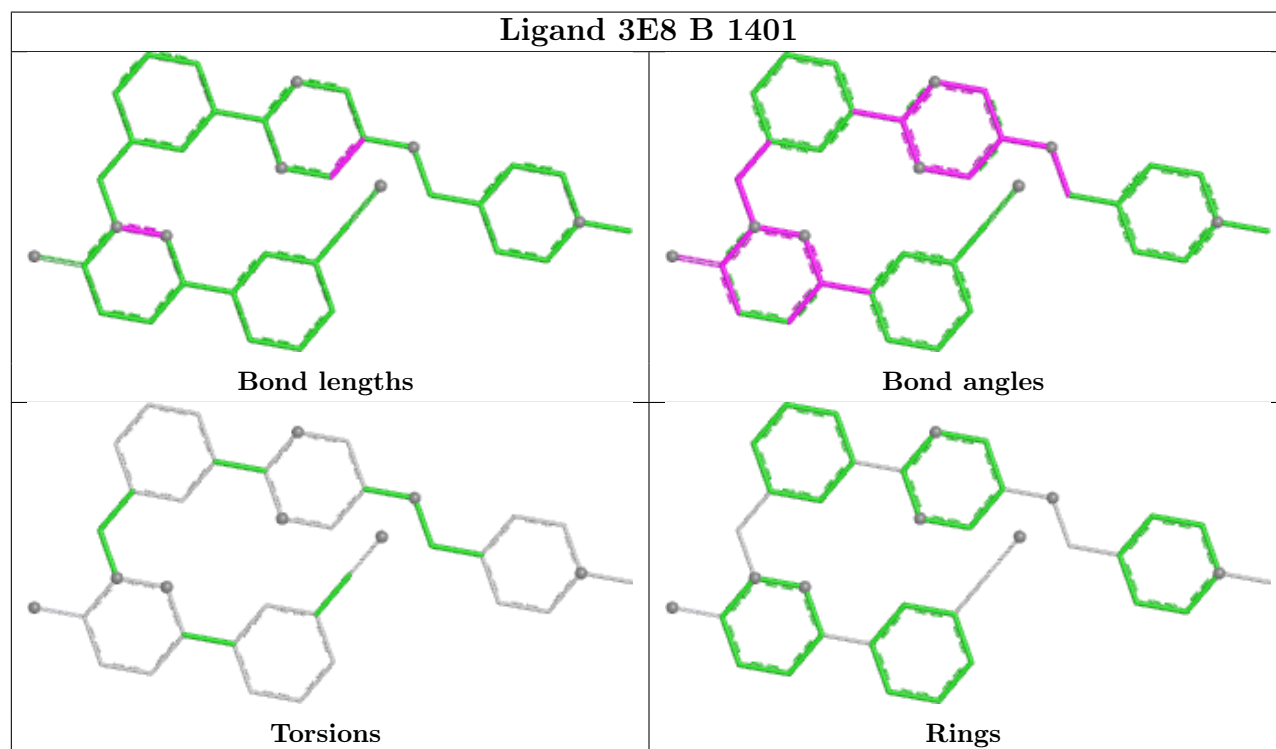
All (8) torsion outliers are listed below:

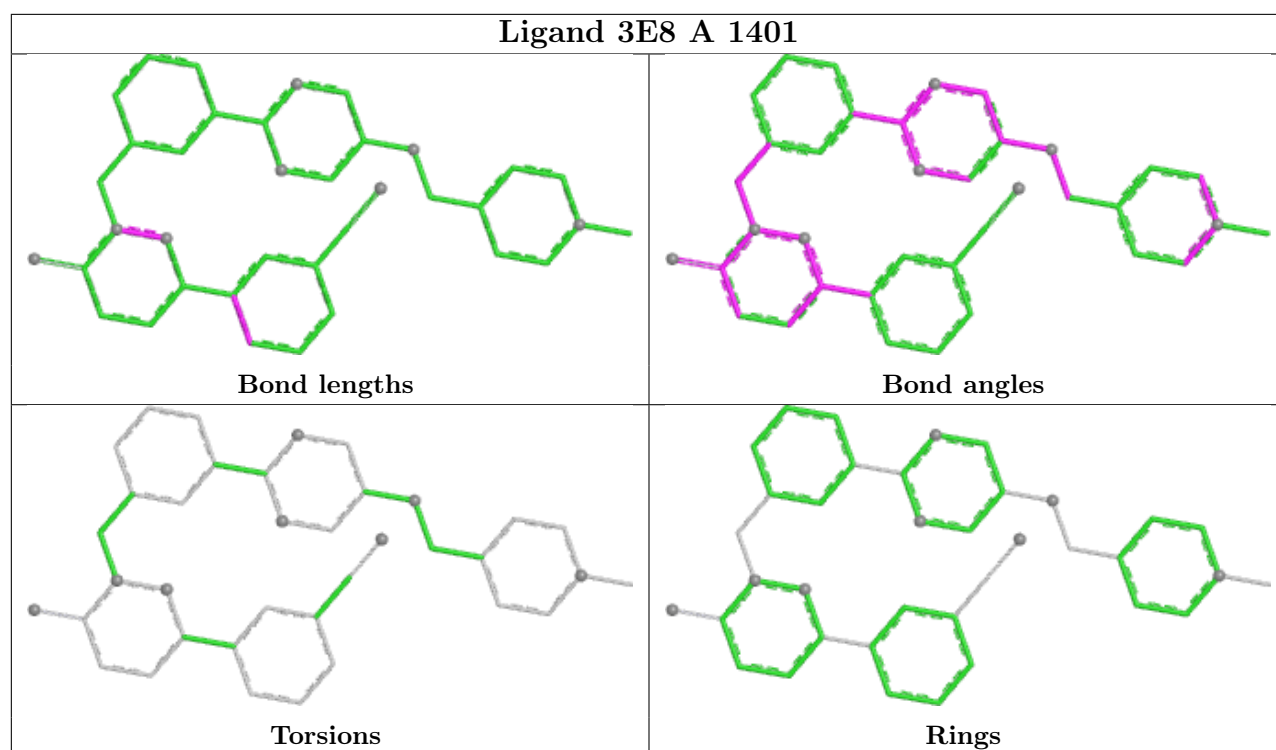
Mol	Chain	Res	Type	Atoms
3	B	1402	PG4	O2-C3-C4-O3
3	B	1402	PG4	O4-C7-C8-O5
3	B	1402	PG4	O1-C1-C2-O2
4	B	1403	PEG	C1-C2-O2-C3
3	B	1402	PG4	C6-C5-O3-C4
3	B	1402	PG4	C4-C3-O2-C2
3	B	1402	PG4	C1-C2-O2-C3
4	B	1403	PEG	O1-C1-C2-O2

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	285/299 (95%)	0.99	48 (16%) 4 3	36, 60, 104, 148	21 (7%)
1	B	281/299 (93%)	1.34	72 (25%) 1 1	38, 66, 130, 163	23 (8%)
All	All	566/598 (94%)	1.16	120 (21%) 2 2	36, 63, 124, 163	44 (7%)

All (120) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	1345	ILE	8.6
1	A	1054	ASP	8.4
1	A	1053	ILE	8.0
1	A	1055	LEU	6.9
1	B	1245	LEU	6.8
1	B	1118	ILE	6.3
1	B	1307	TYR	6.1
1	A	1231	ASP	5.3
1	A	1057	ALA	5.3
1	A	1245	LEU	5.2
1	A	1290	PHE	4.9
1	B	1064	GLN	4.8
1	A	1052	HIS	4.8
1	A	1104	LYS	4.6
1	B	1349	TYR	4.5
1	A	1100	ASN	4.5
1	A	1115	ILE	4.5
1	B	1061	GLU	4.3
1	B	1102	GLY	4.3
1	B	1056	SER	4.2
1	B	1147	LEU	4.2
1	B	1067	GLN	4.2
1	A	1061	GLU	4.1
1	A	1150	GLU	4.0

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Mol	Chain	Res	Type	RSRZ
1	B	1231	ASP	3.9
1	B	1060	PRO	3.9
1	B	1082	GLU	3.8
1	A	1056	SER	3.7
1	A	1103	LYS	3.7
1	A	1116	THR	3.7
1	B	1149	SER	3.5
1	B	1344	PHE	3.5
1	A	1307	TYR	3.5
1	B	1088	HIS	3.4
1	B	1129	ILE	3.3
1	B	1098	LEU	3.3
1	B	1057	ALA	3.3
1	B	1286	ASP	3.3
1	B	1114	ARG	3.3
1	A	1113	ASN	3.2
1	B	1063	VAL	3.2
1	A	1098	LEU	3.2
1	B	1173	THR	3.2
1	B	1343	THR	3.2
1	B	1103	LYS	3.2
1	B	1115	ILE	3.2
1	B	1152	SER	3.2
1	B	1113	ASN	3.2
1	A	1172	GLU	3.1
1	B	1289	THR	3.1
1	A	1074	SER	3.1
1	A	1124	PHE	3.1
1	B	1072	GLY	3.0
1	B	1150	GLU	3.0
1	B	1080	PHE	2.9
1	B	1153	PRO	3.0
1	A	1118	ILE	2.9
1	A	1123	GLN	2.9
1	A	1102	GLY	2.9
1	A	1060	PRO	2.9
1	B	1073	PRO	2.9
1	B	1342	SER	2.8
1	B	1066	VAL	2.8
1	B	1065	ALA	2.8
1	B	1086	ARG	2.8
1	B	1106	HIS	2.8

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Mol	Chain	Res	Type	RSRZ
1	A	1306	GLU	2.7
1	B	1348	HIS	2.7
1	B	1116	THR	2.7
1	A	1086	ARG	2.7
1	B	1336	ARG	2.7
1	B	1151	GLY	2.7
1	B	1068	HIS	2.7
1	B	1074	SER	2.7
1	A	1064	GLN	2.6
1	B	1070	VAL	2.6
1	A	1173	THR	2.6
1	A	1077	ILE	2.6
1	A	1345	ILE	2.6
1	B	1174	HIS	2.6
1	B	1146	CYS	2.6
1	B	1094	HIS	2.6
1	B	1347	GLU	2.5
1	B	1341	PHE	2.5
1	A	1114	ARG	2.5
1	A	1088	HIS	2.5
1	A	1298	GLN	2.5
1	A	1312	LEU	2.4
1	B	1119	GLY	2.4
1	B	1105	ILE	2.4
1	B	1143	LEU	2.4
1	B	1148	ARG	2.4
1	B	1076	LEU	2.3
1	B	1293	THR	2.3
1	B	1083	VAL	2.3
1	B	1216	PHE	2.3
1	B	1269	PHE	2.3
1	B	1346	GLY	2.3
1	A	1147	LEU	2.3
1	B	1132	LYS	2.3
1	B	1058	LEU	2.2
1	B	1062	LEU	2.2
1	B	1229	MET	2.2
1	A	1058	LEU	2.2
1	B	1081	ASN	2.2
1	A	1199	LYS	2.2
1	A	1152	SER	2.2
1	A	1288	ASN	2.2

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Mol	Chain	Res	Type	RSRZ
1	B	1175	ASN	2.2
1	B	1120	GLU	2.2
1	A	1148	ARG	2.1
1	A	1059	ASN	2.1
1	A	1090	GLY	2.1
1	B	1089	PHE	2.1
1	B	1340	ILE	2.1
1	A	1151	GLY	2.1
1	B	1300	ARG	2.1
1	A	1072	GLY	2.0
1	A	1067	GLN	2.0
1	A	1105	ILE	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](#)

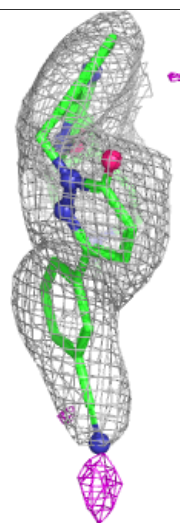
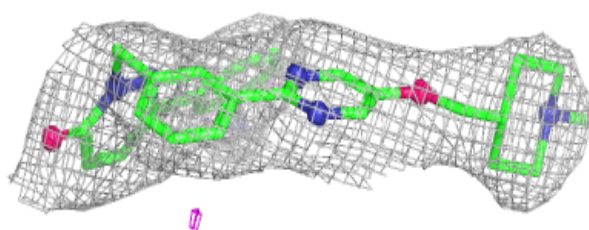
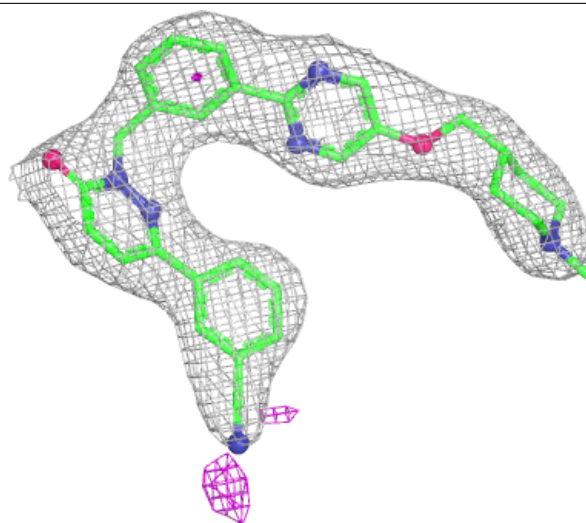
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists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

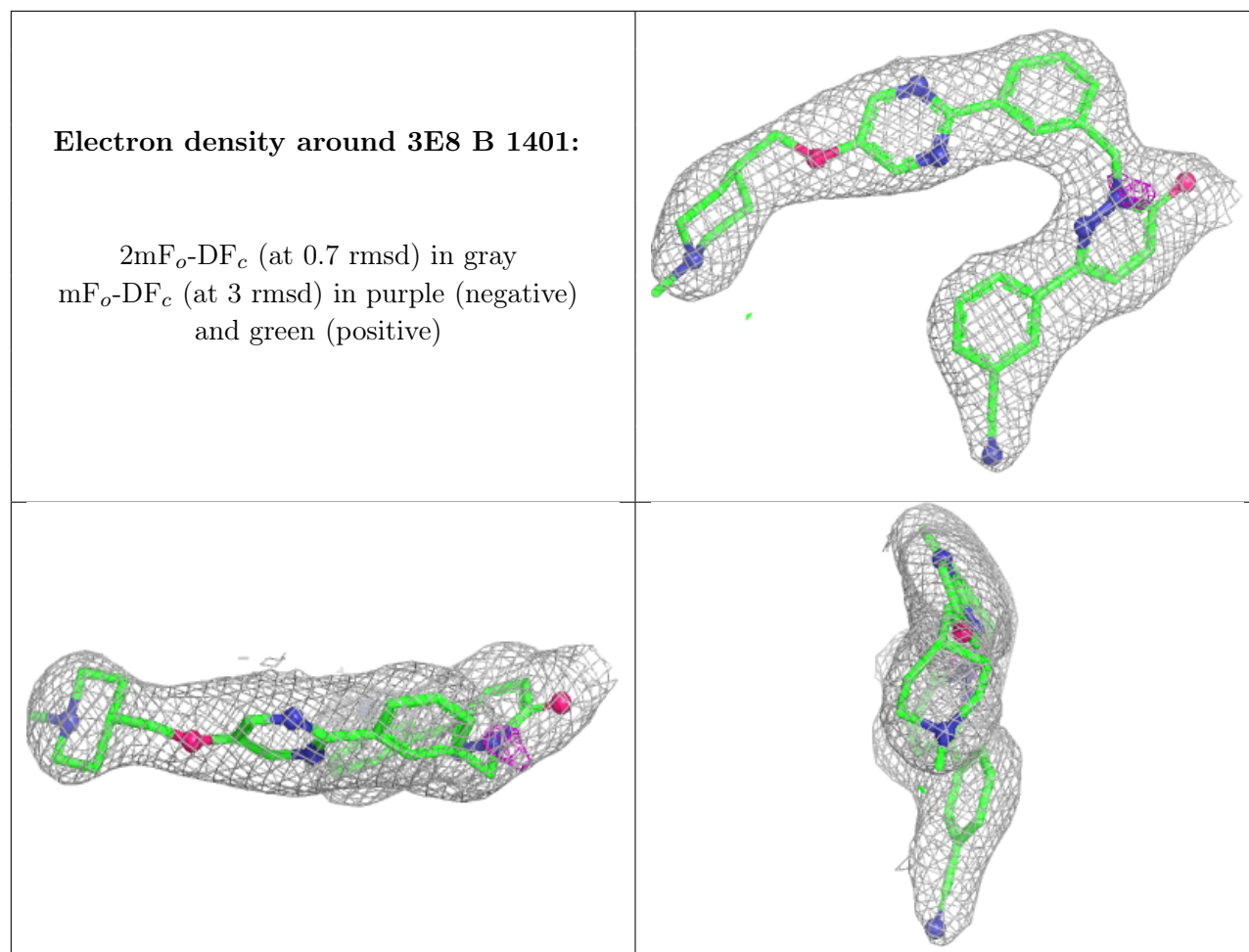
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
4	PEG	B	1403	7/7	0.86	0.22	77,79,84,86	0
3	PG4	B	1402	13/13	0.88	0.19	58,88,97,98	13
2	3E8	A	1401	37/37	0.95	0.11	43,53,85,89	0
2	3E8	B	1401	37/37	0.96	0.09	40,49,78,84	0

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.

Electron density around 3E8 A 1401:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)





6.5 Other polymers [i](#)

There are no such residues in this entry.