



Full wwPDB X-ray Structure Validation Report ⓘ

Jun 24, 2024 – 11:36 PM EDT

PDB ID : 6B16
Title : P21-activated kinase 1 in complex with a 4-azaindole inhibitor
Authors : Rouge, L.; Wang, W.
Deposited on : 2017-09-16
Resolution : 2.29 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 : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.37.1
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.37.1

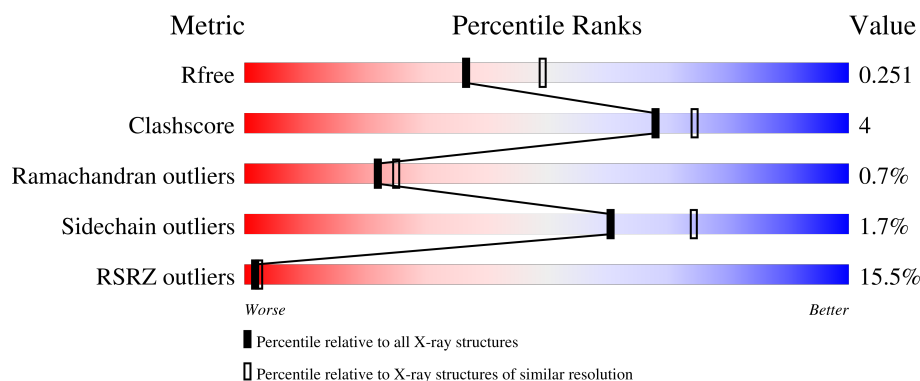
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.29 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}	130704	6980 (2.30-2.26)
Clashscore	141614	7711 (2.30-2.26)
Ramachandran outliers	138981	7597 (2.30-2.26)
Sidechain outliers	138945	7598 (2.30-2.26)
RSRZ outliers	127900	6849 (2.30-2.26)

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	301	<div> <div>16%</div> <div>82%</div> <div>12%</div> <div>• 5%</div> </div>
1	B	301	<div> <div>13%</div> <div>83%</div> <div>10%</div> <div>• 7%</div> </div>

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 4515 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.

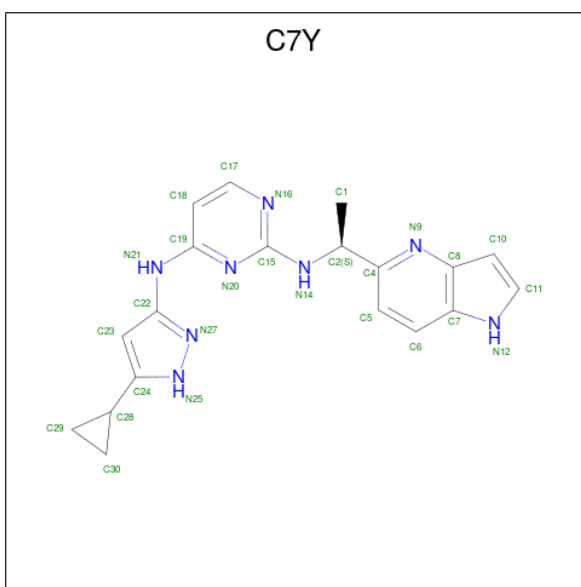
- Molecule 1 is a protein called Serine/threonine-protein kinase PAK 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	285	Total	C	N	O	S	0	0	0
			2232	1419	373	425	15			
1	B	281	Total	C	N	O	S	0	0	0
			2178	1383	365	415	15			

There are 10 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	248	GLY	-	expression tag	UNP Q13153
A	389	ASN	ASP	conflict	UNP Q13153
A	546	GLY	-	expression tag	UNP Q13153
A	547	ASN	-	expression tag	UNP Q13153
A	548	SER	-	expression tag	UNP Q13153
B	248	GLY	-	expression tag	UNP Q13153
B	389	ASN	ASP	conflict	UNP Q13153
B	546	GLY	-	expression tag	UNP Q13153
B	547	ASN	-	expression tag	UNP Q13153
B	548	SER	-	expression tag	UNP Q13153

- Molecule 2 is N 4 -(5-cyclopropyl-1H-pyrazol-3-yl)-N 2 -[(1S)-1-(1H-pyrrolo[3,2-b]pyridin-5-yl)ethyl]pyrimidine-2,4-diamine (three-letter code: C7Y) (formula: C₁₉H₂₀N₈).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	A	1	Total	C	N	0	0
			27	19	8		
2	B	1	Total	C	N	0	0
			27	19	8		

- Molecule 3 is SULFATE ION (three-letter code: SO4) (formula: O₄S).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	A	1	Total	O	S	0	0
			5	4	1		

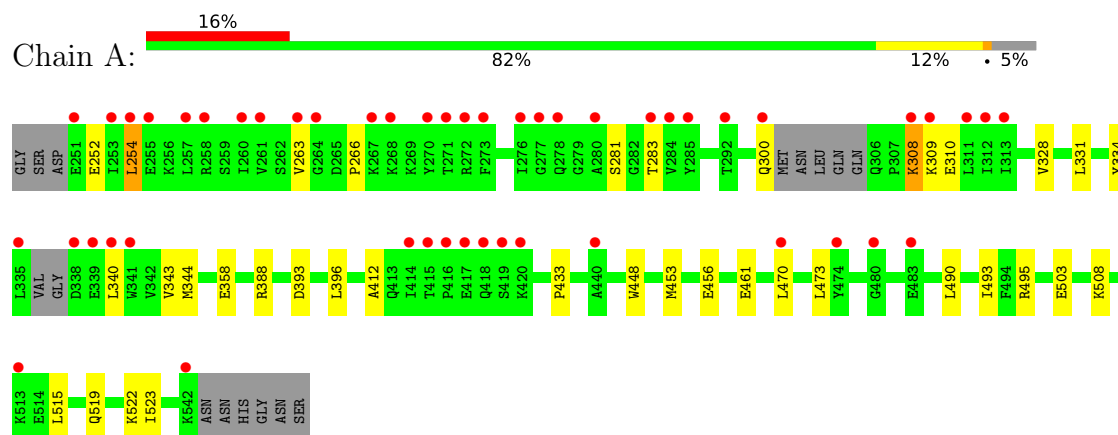
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	17	Total 17	O 17	0	0
4	B	29	Total 29	O 29	0	0

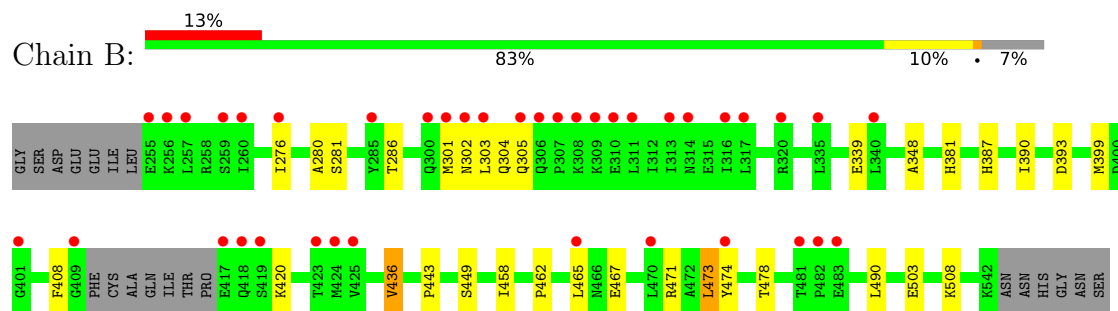
3 Residue-property plots [i](#)

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: Serine/threonine-protein kinase PAK 1



- Molecule 1: Serine/threonine-protein kinase PAK 1



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	62.68Å 82.46Å 66.04Å 90.00° 106.31° 90.00°	Depositor
Resolution (Å)	38.56 – 2.29 38.56 – 2.29	Depositor EDS
% Data completeness (in resolution range)	99.4 (38.56-2.29) 99.4 (38.56-2.29)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.15 (at 2.29Å)	Xtriage
Refinement program	PHENIX 1.9_1692	Depositor
R, R_{free}	0.202 , 0.250 0.205 , 0.251	Depositor DCC
R_{free} test set	1484 reflections (5.09%)	wwPDB-VP
Wilson B-factor (Å ²)	51.1	Xtriage
Anisotropy	0.197	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 60.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	4515	wwPDB-VP
Average B, all atoms (Å ²)	78.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.19% 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: SO4, C7Y

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	0.26	0/2268	0.43	0/3065
1	B	0.27	0/2213	0.46	0/2993
All	All	0.26	0/4481	0.45	0/6058

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	2232	0	2271	20	0
1	B	2178	0	2207	14	0
2	A	27	0	0	0	0
2	B	27	0	0	0	0
3	A	5	0	0	0	0
4	A	17	0	0	2	0
4	B	29	0	0	0	0
All	All	4515	0	4478	34	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 4.

All (34) 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:503:GLU:HG2	1:A:508:LYS:HB3	1.74	0.68
1:A:358:GLU:OE1	4:A:701:HOH:O	2.14	0.65
1:B:387:HIS:CD2	1:B:408:PHE:HB3	2.33	0.64
1:A:308:LYS:HE2	1:A:310:GLU:HB2	1.81	0.63
1:A:283:THR:OG1	1:A:300:GLN:HB2	2.07	0.55
1:B:348:ALA:HB3	1:B:399:MET:HG2	1.88	0.55
1:B:462:PRO:HG2	1:B:465:LEU:HB2	1.91	0.53
1:A:519:GLN:HA	1:A:522:LYS:HE2	1.91	0.53
1:B:503:GLU:HG2	1:B:508:LYS:HB3	1.91	0.52
1:A:493:ILE:HD11	1:A:519:GLN:HB2	1.92	0.51
1:A:461:GLU:HA	4:A:709:HOH:O	2.11	0.50
1:B:436:VAL:HG13	1:B:473:LEU:HD13	1.93	0.50
1:A:331:LEU:HD12	1:A:343:VAL:HG12	1.95	0.49
1:B:390:ILE:HB	1:B:449:SER:HB2	1.94	0.48
1:B:276:ILE:HD13	1:B:286:THR:HG23	1.95	0.48
1:A:254:LEU:HG	1:A:309:LYS:HE3	1.95	0.48
1:A:453:MET:O	1:A:456:GLU:HB2	2.14	0.47
1:B:304:GLN:HA	1:B:305:GLN:HA	1.70	0.45
1:B:458:ILE:HG12	1:B:490:LEU:HD22	1.99	0.44
1:B:467:GLU:CD	1:B:471:ARG:HG2	2.38	0.44
1:A:252:GLU:CD	1:A:252:GLU:H	2.21	0.43
1:B:381:HIS:CG	1:B:443:PRO:HB3	2.54	0.43
1:A:470:LEU:HD23	1:A:473:LEU:HD12	1.99	0.43
1:A:433:PRO:HD3	1:A:448:TRP:CE2	2.54	0.43
1:A:388:ARG:CZ	1:A:412:ALA:HB2	2.50	0.42
1:B:302:ASN:HA	1:B:339:GLU:HG2	2.02	0.42
1:A:328:VAL:HG21	1:A:396:LEU:HD12	2.02	0.41
1:A:344:MET:HE2	1:A:344:MET:HB3	1.99	0.41
1:A:300:GLN:HA	1:A:340:LEU:O	2.21	0.41
1:A:515:LEU:HD23	1:A:515:LEU:HA	1.91	0.41
1:B:281:SER:O	1:B:301:MET:HG2	2.21	0.41
1:A:266:PRO:HG3	1:A:334:TYR:CG	2.55	0.41
1:A:490:LEU:O	1:A:495:ARG:NH1	2.54	0.40
1:B:474:TYR:CZ	1:B:478:THR:HG21	2.56	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	279/301 (93%)	264 (95%)	12 (4%)	3 (1%)	14	14
1	B	277/301 (92%)	264 (95%)	12 (4%)	1 (0%)	34	40
All	All	556/602 (92%)	528 (95%)	24 (4%)	4 (1%)	22	25

All (4) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	281	SER
1	A	263	VAL
1	B	280	ALA
1	A	308	LYS

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	246/260 (95%)	243 (99%)	3 (1%)	71	82
1	B	238/260 (92%)	233 (98%)	5 (2%)	53	68
All	All	484/520 (93%)	476 (98%)	8 (2%)	60	74

All (8) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	254	LEU
1	A	393	ASP

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Mol	Chain	Res	Type
1	A	523	ILE
1	B	303	LEU
1	B	393	ASP
1	B	420	LYS
1	B	436	VAL
1	B	473	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

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

5.5 Carbohydrates ⓘ

There are no monosaccharides in this entry.

5.6 Ligand geometry ⓘ

3 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	C7Y	B	601	-	29,31,31	1.13	2 (6%)	32,44,44	2.46	14 (43%)
3	SO4	A	602	-	4,4,4	0.15	0	6,6,6	0.08	0
2	C7Y	A	601	-	29,31,31	1.14	2 (6%)	32,44,44	2.36	13 (40%)

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	C7Y	B	601	-	-	0/14/18/18	0/5/5/5
2	C7Y	A	601	-	-	0/14/18/18	0/5/5/5

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	601	C7Y	C15-N14	3.28	1.38	1.34
2	B	601	C7Y	C15-N14	3.17	1.38	1.34
2	A	601	C7Y	C8-N9	-2.65	1.33	1.37
2	B	601	C7Y	C8-N9	-2.59	1.33	1.37

All (27) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	601	C7Y	C17-N16-C15	6.15	120.90	115.45
2	B	601	C7Y	C17-N16-C15	6.14	120.89	115.45
2	B	601	C7Y	N16-C15-N20	-5.10	121.71	126.55
2	A	601	C7Y	N16-C15-N20	-5.00	121.81	126.55
2	B	601	C7Y	C4-N9-C8	4.90	121.94	118.01
2	A	601	C7Y	C4-N9-C8	4.63	121.72	118.01
2	A	601	C7Y	C18-C17-N16	-3.97	119.03	123.96
2	B	601	C7Y	C18-C17-N16	-3.95	119.05	123.96
2	B	601	C7Y	C17-C18-C19	3.44	119.01	116.76
2	B	601	C7Y	C2-C4-N9	3.36	118.40	115.78
2	A	601	C7Y	C17-C18-C19	3.28	118.90	116.76
2	A	601	C7Y	C2-C4-N9	2.86	118.01	115.78
2	B	601	C7Y	C18-C19-N20	-2.83	118.38	123.16
2	A	601	C7Y	C18-C19-N20	-2.68	118.64	123.16
2	A	601	C7Y	C28-C24-N25	2.62	124.10	120.23
2	B	601	C7Y	C1-C2-C4	-2.58	107.97	110.95
2	B	601	C7Y	C28-C24-N25	2.46	123.86	120.23
2	B	601	C7Y	C30-C28-C24	-2.37	117.55	120.33
2	B	601	C7Y	C15-N20-C19	2.35	120.95	116.28
2	A	601	C7Y	C1-C2-C4	-2.31	108.29	110.95
2	A	601	C7Y	C23-C24-N25	-2.24	107.28	110.28
2	A	601	C7Y	C15-N20-C19	2.22	120.71	116.28
2	B	601	C7Y	C24-C23-C22	2.22	108.03	106.07
2	B	601	C7Y	C23-C22-N27	-2.18	107.35	110.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	601	C7Y	C23-C24-N25	-2.17	107.38	110.28
2	A	601	C7Y	C24-C23-C22	2.14	107.96	106.07
2	A	601	C7Y	C5-C6-C7	-2.04	118.27	120.84

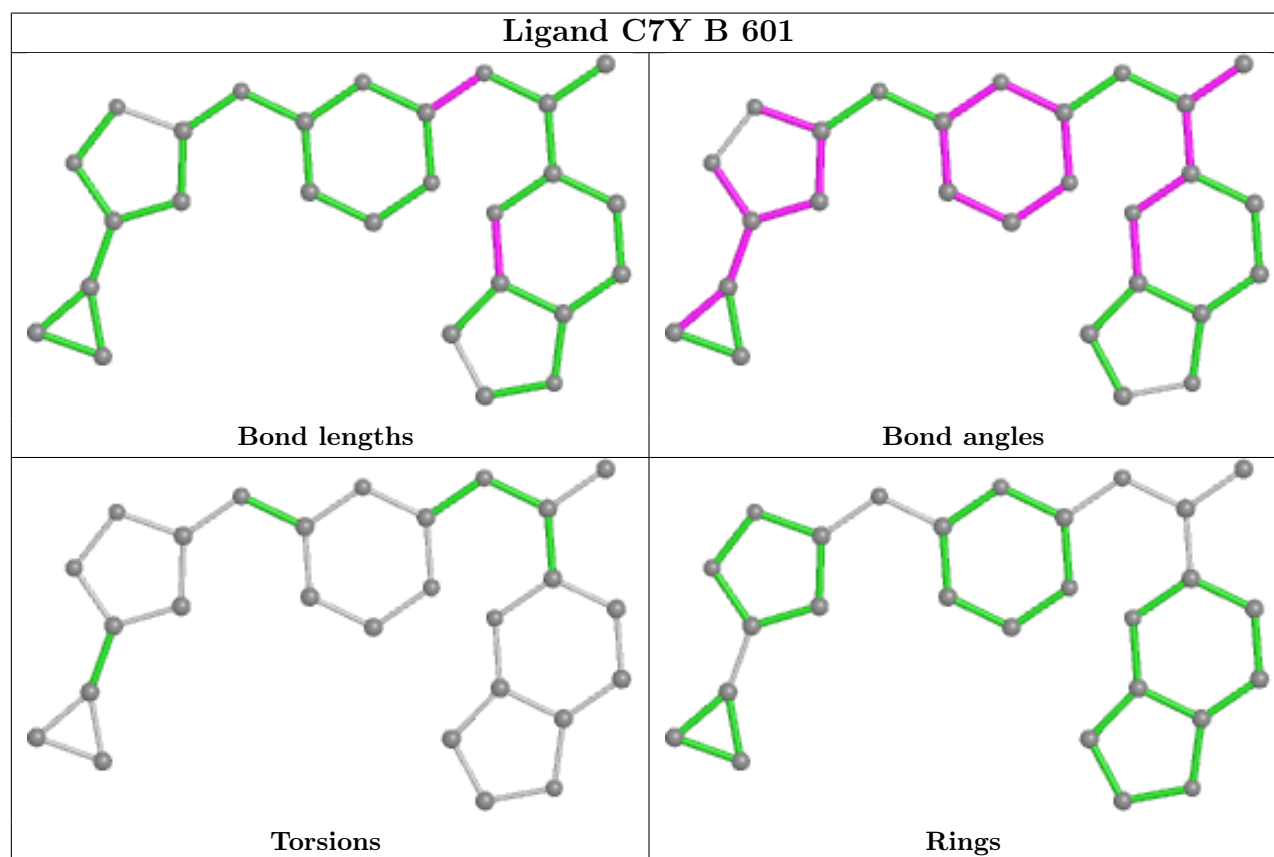
There are no chirality outliers.

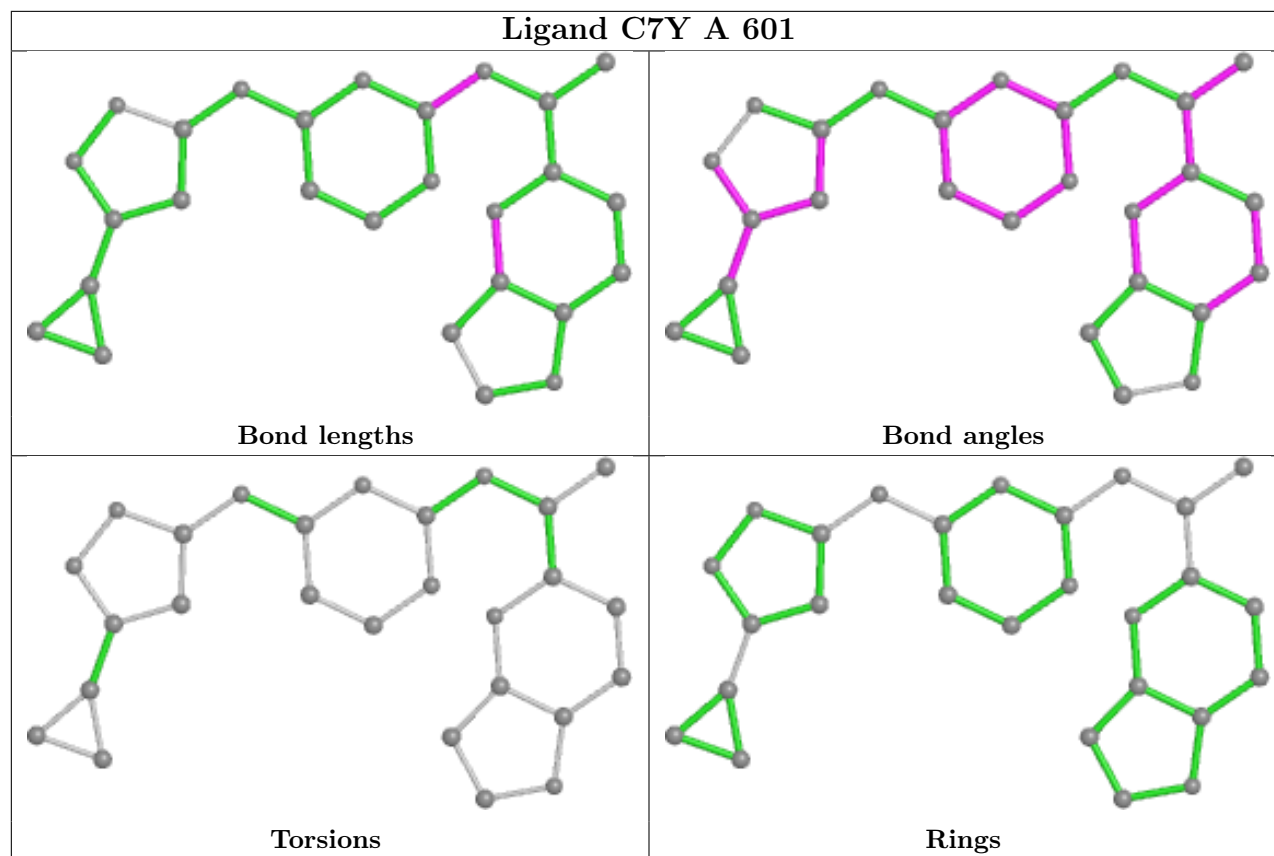
There are no torsion outliers.

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	285/301 (94%)	0.94	49 (17%) 1 1	43, 72, 144, 185	0
1	B	281/301 (93%)	0.88	39 (13%) 2 3	41, 64, 137, 189	0
All	All	566/602 (94%)	0.91	88 (15%) 2 2	41, 68, 141, 189	0

All (88) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	409	GLY	11.4
1	B	308	LYS	9.1
1	B	307	PRO	8.5
1	A	254	LEU	6.9
1	B	417	GLU	6.9
1	B	313	ILE	6.8
1	A	309	LYS	6.7
1	A	284	VAL	6.4
1	A	253	ILE	6.2
1	B	305	GLN	6.2
1	B	306	GLN	6.1
1	A	335	LEU	6.0
1	B	310	GLU	6.0
1	A	340	LEU	6.0
1	A	257	LEU	5.7
1	A	417	GLU	5.7
1	A	415	THR	5.1
1	B	303	LEU	4.9
1	A	311	LEU	4.7
1	A	283	THR	4.7
1	A	419	SER	4.6
1	A	263	VAL	4.6
1	A	271	THR	4.4
1	B	317	LEU	4.3

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Mol	Chain	Res	Type	RSRZ
1	A	278	GLN	4.1
1	B	320	ARG	4.1
1	A	268	LYS	4.1
1	A	418	GLN	4.0
1	B	311	LEU	4.0
1	A	416	PRO	3.9
1	A	260	ILE	3.8
1	B	309	LYS	3.8
1	B	256	LYS	3.6
1	A	338	ASP	3.6
1	A	308	LYS	3.6
1	A	420	LYS	3.5
1	A	414	ILE	3.5
1	A	273	PHE	3.5
1	A	480	GLY	3.4
1	A	270	TYR	3.4
1	B	255	GLU	3.4
1	B	260	ILE	3.3
1	B	340	LEU	3.3
1	A	339	GLU	3.1
1	B	314	ASN	3.1
1	A	285	TYR	3.0
1	B	418	GLN	3.0
1	B	482	PRO	2.9
1	A	341	TRP	2.9
1	A	267	LYS	2.8
1	A	474	TYR	2.8
1	A	277	GLY	2.7
1	B	302	ASN	2.7
1	A	264	GLY	2.7
1	A	261	VAL	2.7
1	A	272	ARG	2.7
1	B	257	LEU	2.7
1	A	292	THR	2.7
1	B	465	LEU	2.7
1	B	285	TYR	2.6
1	A	258	ARG	2.6
1	B	483	GLU	2.6
1	B	316	ILE	2.5
1	B	423	THR	2.5
1	A	276	ILE	2.5
1	A	312	ILE	2.5

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Mol	Chain	Res	Type	RSRZ
1	A	300	GLN	2.5
1	B	401	GLY	2.5
1	A	470	LEU	2.4
1	A	542	LYS	2.4
1	B	474	TYR	2.4
1	B	301	MET	2.3
1	B	259	SER	2.3
1	B	419	SER	2.2
1	A	313	ILE	2.2
1	A	251	GLU	2.2
1	A	280	ALA	2.2
1	B	276	ILE	2.2
1	A	513	LYS	2.1
1	B	481	THR	2.1
1	A	440	ALA	2.1
1	A	255	GLU	2.0
1	B	335	LEU	2.0
1	B	424	MET	2.0
1	B	425	VAL	2.0
1	A	483	GLU	2.0
1	B	470	LEU	2.0
1	B	300	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 monosaccharides 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(\AA^2)	Q<0.9
3	SO4	A	602	5/5	0.93	0.10	106,106,108,109	0

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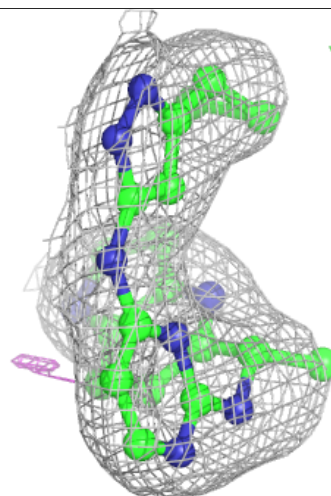
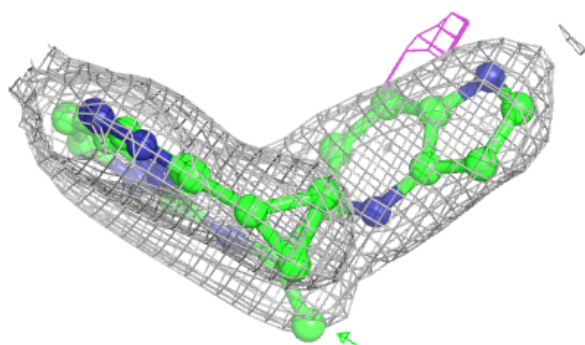
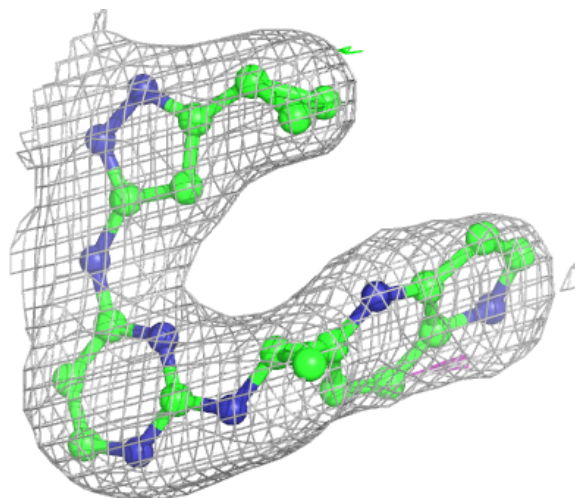
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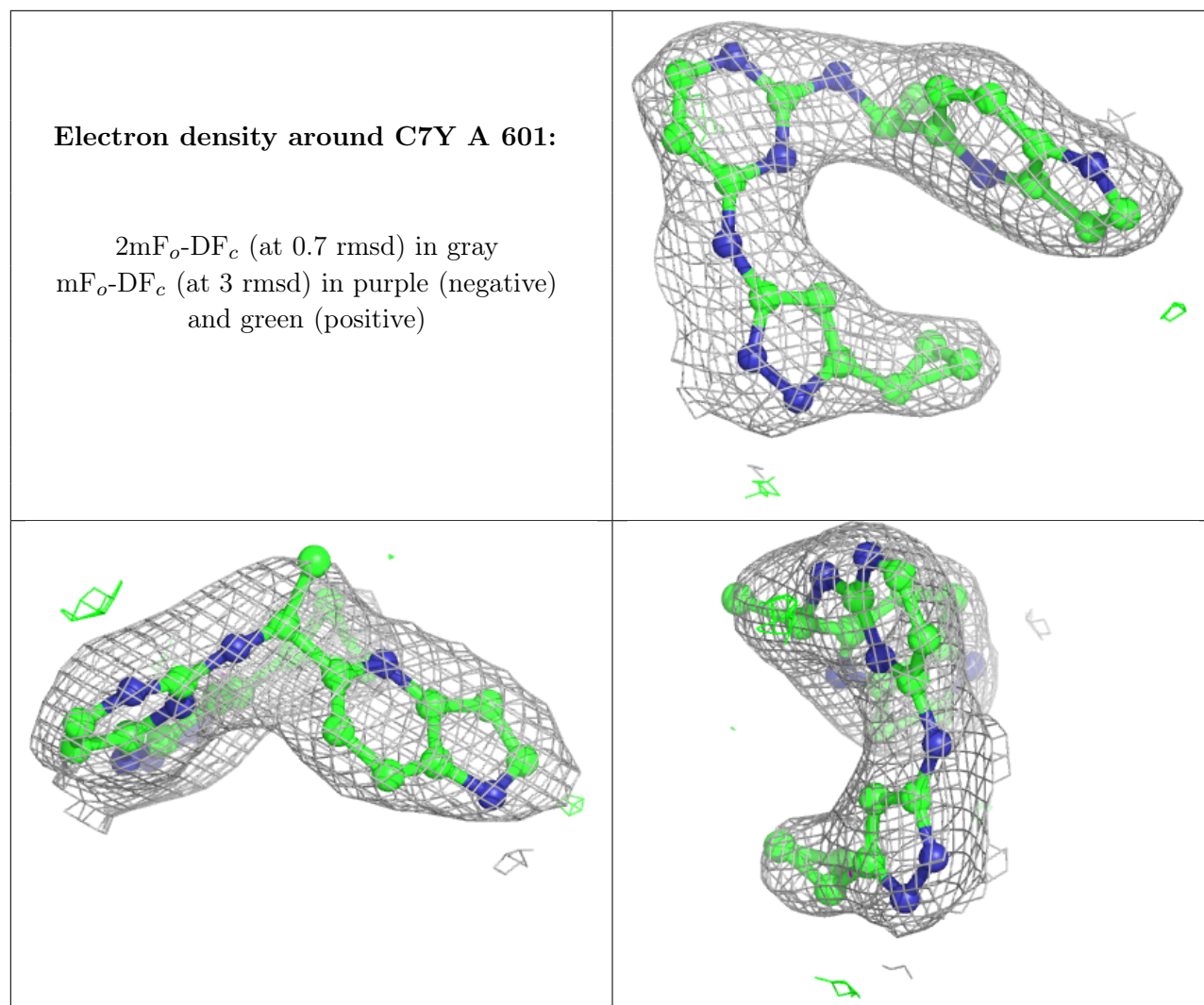
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
2	C7Y	B	601	27/27	0.96	0.15	52,63,66,66	0
2	C7Y	A	601	27/27	0.96	0.13	54,63,67,69	0

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 C7Y B 601:

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.