

checkCIF/PLATON report

You have not supplied any structure factors. As a result the full set of tests cannot be run.

THIS REPORT IS FOR GUIDANCE ONLY. IF USED AS PART OF A REVIEW PROCEDURE FOR PUBLICATION, IT SHOULD NOT REPLACE THE EXPERTISE OF AN EXPERIENCED CRYSTALLOGRAPHIC REFEREE.

No syntax errors found. CIF dictionary Interpreting this report

Datablock: jwj0130_0m

Bond precision: C-C = 0.0086 Å Wavelength=0.71073

Cell: a=9.939(4) b=11.174(5) c=11.607(5)
 alpha=75.776(5) beta=84.118(5) gamma=76.716(5)
Temperature: 296 K

	Calculated	Reported
Volume	1214.7(9)	1214.7(9)
Space group	P -1	P-1
Hall group	-P 1	?
Moiety formula	C21 H34 N2 O4 Sn	C21 H34 N2 O4 Sn
Sum formula	C21 H34 N2 O4 Sn	C21 H34 N2 O4 Sn
Mr	497.21	497.19
Dx, g cm ⁻³	1.359	1.359
Z	2	2
Mu (mm ⁻¹)	1.077	1.077
F000	512.0	512.0
F000'	510.88	
h, k, lmax	11, 13, 13	11, 13, 13
Nref	4335	4318
Tmin, Tmax	0.781, 0.798	0.790, 0.805
Tmin'	0.781	

Correction method= # Reported T Limits: Tmin=0.790 Tmax=0.805
AbsCorr = MULTI-SCAN

Data completeness= 0.996 Theta(max)= 25.100

R(reflections)= 0.0351(3876)	wR2(reflections)=
S = 1.070	0.1060(4318)
Npar= 262	

The following ALERTS were generated. Each ALERT has the format

test-name_ALERT_alert-type_alert-level.

Click on the hyperlinks for more details of the test.



Alert level C

PLAT220_ALERT_2_C	NonSolvent	Resd 1	C	Ueq(max)/Ueq(min)	Range	4.9	Ratio
PLAT222_ALERT_3_C	NonSolvent	Resd 1	H	Uiso(max)/Uiso(min)	Range	4.9	Ratio
PLAT230_ALERT_2_C	Hirshfeld	Test Diff	for	C14	--C15	.	5.3 s.u.
PLAT230_ALERT_2_C	Hirshfeld	Test Diff	for	C18	--C19	.	6.3 s.u.
PLAT232_ALERT_2_C	Hirshfeld	Test Diff	(M-X)	Sn1	--O4	.	6.0 s.u.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	C13	--C14	.	0.17 Ang.
PLAT241_ALERT_2_C	High	'MainMol'	Ueq as Compared to	Neighbors of		O4	Check
PLAT241_ALERT_2_C	High	'MainMol'	Ueq as Compared to	Neighbors of		C15	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to	Neighbors of		Sn1	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to	Neighbors of		C10	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to	Neighbors of		C13	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to	Neighbors of		C19	Check
PLAT260_ALERT_2_C	Large	Average	Ueq of Residue	Including		Sn1	0.114 Check
PLAT342_ALERT_3_C	Low	Bond	Precision on	C-C Bonds		0.00859 Ang.



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle	Restraints on	AtSite			4	Note
PLAT003_ALERT_2_G	Number of Uiso or Uij	Restrained non-H	Atoms ...			2	Report
PLAT005_ALERT_5_G	No Embedded Refinement	Details Found	in the CIF				Please Do !
PLAT154_ALERT_1_G	The s.u.'s on the Cell	Angles are	Equal ..(Note)			0.005	Degree
PLAT789_ALERT_4_G	Atoms with Negative	_atom_site_disorder_group	#			1	Check
PLAT860_ALERT_3_G	Number of Least-Squares	Restraints			9	Note
PLAT899_ALERT_4_G	SHELXL97	is Deprecated and	Succeeded by	SHELXL/		2018	Note

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
14 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
7 **ALERT level G** = General information/check it is not something unexpected
- 1 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
13 ALERT type 2 Indicator that the structure model may be wrong or deficient
3 ALERT type 3 Indicator that the structure quality may be low
3 ALERT type 4 Improvement, methodology, query or suggestion
1 ALERT type 5 Informative message, check
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It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E* or *IUCrData*, you should make sure that full publication checks are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

