

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: PdtmedaCF3NN

Bond precision:	C-C = 0.0073 A	Wavelength=0.71075
Cell:	a=13.0204(19)	b=8.1491(10) c=15.1590(19)
	alpha=90	beta=91.198(8) gamma=90
Temperature:	193 K	
	Calculated	Reported
Volume	1608.1(4)	1608.1(4)
Space group	P 21/n	P 1 21/n 1
Hall group	-P 2yn	-P 2yn
Moiety formula	C10 H16 F6 N4 O2 Pd	C10 H16 F6 N4 O2 Pd
Sum formula	C10 H16 F6 N4 O2 Pd	C10 H16 F6 N4 O2 Pd
Mr	444.67	444.65
Dx,g cm-3	1.837	1.836
Z	4	4
Mu (mm-1)	1.228	1.229
F000	880.0	880.0
F000'	876.60	
h,k,lmax	16,10,19	16,10,19
Nref	3685	3647
Tmin,Tmax	0.782,0.782	0.674,0.782
Tmin'	0.782	

Correction method= # Reported T Limits: Tmin=0.674 Tmax=0.782
AbsCorr = MULTI-SCAN

Data completeness= 0.990 Theta(max)= 27.472

R(reflections)= 0.0417(3299) wR2(reflections)= 0.1130(3647)

S = 1.146 Npar= 208

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

PLAT213_ALERT_2_C	Atom C5	has ADP max/min Ratio	3.1	prolat
PLAT220_ALERT_2_C	NonSolvent	Resd 1 C Ueq(max)/Ueq(min) Range	3.2	Ratio
PLAT241_ALERT_2_C	High	'MainMol' Ueq as Compared to Neighbors of	C5	Check
PLAT242_ALERT_2_C	Low	'MainMol' Ueq as Compared to Neighbors of	N3	Check
PLAT242_ALERT_2_C	Low	'MainMol' Ueq as Compared to Neighbors of	N4	Check
PLAT360_ALERT_2_C	Short	C(sp3)-C(sp3) Bond C5 - C6 .	1.35	Ang.

● Alert level G

CHEMS02_ALERT_1_G Please check that you have entered the correct
_publ_requested_category classification of your compound;
FI or CI or EI for inorganic; FM or CM or EM for metal-organic;
FO or CO or EO for organic.
From the CIF: _publ_requested_category CHOOSE FI FM FO CI CM CO or A
From the CIF: _chemical_formula_sum :C10 H16 F6 N4 O2 Pd1

PLAT019_ALERT_1_G	_diffrn_measured_fraction_theta_full/*_max < 1.0	0.998	Report
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of	C1	Check
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of	C4	Check
PLAT794_ALERT_5_G	Tentative Bond Valency for Pd1 (II) .	2.13	Info
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity	3.3	Low

0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
6 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
6 **ALERT level G** = General information/check it is not something unexpected

2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
8 ALERT type 2 Indicator that the structure model may be wrong or deficient
1 ALERT type 3 Indicator that the structure quality may be low
0 ALERT type 4 Improvement, methodology, query or suggestion
1 ALERT type 5 Informative message, check

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.

