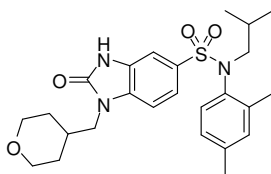




Certificate of Analysis

Axon Catalogue ID: 2964 **Batch Number:** 1
Product Name: CD12681
Alternative Name(s): N.A.
IUPAC Name: N-(2,4-Dimethylphenyl)-N-isobutyl-2-oxo-1-((tetrahydro-2H-pyran-4-yl)methyl)-2,3-dihydro-1H-benzo[d]imidazole-5-sulfonamide

Structure:



Amount:

CAS number(s): 1952239-59-6
Molecular Formula: C₂₅H₃₃N₃O₄S **Molecular Weight:** 471.61
Batch Molecular Formula: C₂₅H₃₃N₃O₄S.0.25H₂O **Batch Molecular Weight:** 476.12
Appearance: White solid **Observed mp:** 185.8 - 188 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.07, H 7.09, N 8.83; Found: C 63.12, H 7.07, N 8.79
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	16.8	35.3	
	EtOH			Not Tested

Remarks:

QC Date: 13-09-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only