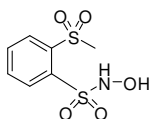




Certificate of Analysis

Axon Catalogue ID: 2653 **Batch Number:** 1
Product Name: CXL-1020
Alternative Name(s): 2-MSPA
IUPAC Name: N-Hydroxy-2-(methylsulfonyl)benzenesulfonamide

Structure:



Amount:

CAS number(s): 950834-06-7
Molecular Formula: C7H9NO5S2 **Molecular Weight:** 251.28
Batch Molecular Formula: C7H9NO5S2 **Batch Molecular Weight:** 251.28
Appearance: Off-white solid **Observed mp:** 185 °C
TLC (R_f): 0.58 DCM/MeOH (20:1)
Chemical Purity: 99.0%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 33.46, H 3.61, N 5.57; Found: C 33.38, H 3.65, N 5.51
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	25.1	>100 mM	
	EtOH			Not Tested

Remarks: Suspected to be unstable under alkaline conditions.

QC Date: 16-3-2022

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