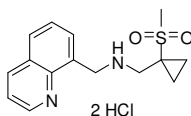




Certificate of Analysis

Axon Catalogue ID: 3636 **Batch Number:** 1
Product Name: UCSF678 dihydrochloride
Alternative Name(s): 5A6-78
IUPAC Name: 1-(1-(Methylsulfonyl)cyclopropyl)-N-(quinolin-8-ylmethyl)methanamine dihydrochloride

Structure:



Amount:

CAS number(s): 2361697-55-2 (parent)
Molecular Formula: C₁₅H₁₈N₂O₂S.2HCl **Molecular Weight:** 363.30
Batch Molecular Formula: C₁₅H₁₈N₂O₂S.1.9HCl.0.35H₂O **Batch Molecular Weight:** 365.96
Appearance: Off-white solid **Observed mp:** 225.1 - 228.2 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.2%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 49.23, H 5.67, N 7.65, Cl 18.41; Found: C 48.93, H 5.27, N 7.50, Cl 18.33
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	36.6	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	11.5	31.4	
	EtOH	3.0	8.2	

Remarks:

QC Date: 25-5-2022

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