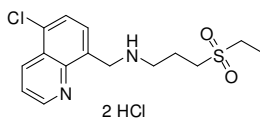




Certificate of Analysis

Axon Catalogue ID: 3635 **Batch Number:** 1
Product Name: UCSF686 dihydrochloride
Alternative Name(s): 5A6-86
IUPAC Name: N-((5-Chloroquinolin-8-yl)methyl)-3-(ethylsulfonyl)propan-1-amine dihydrochloride

Structure:



Amount:

CAS number(s): 2637090-55-0 (parent), 2637090-56-1 (HCl (1:2))
Molecular Formula: C₁₅H₁₉ClN₂O₂S.2HCl **Molecular Weight:** 399.76
Batch Molecular Formula: C₁₅H₁₉ClN₂O₂S.1.9HCl.0.25H₂O **Batch Molecular Weight:** 400.62
Appearance: White solid **Observed mp:** 185.1 - 200.6 °C
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 99.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 44.97, H 5.38, N 6.99, Cl 25.56; Found: C 45.00, H 5.20, N 6.95, Cl 25.49
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	40.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.1	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 4-7-2022

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