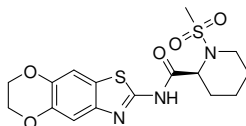




Certificate of Analysis

Axon Catalogue ID: 3435 **Batch Number:** 1
Product Name: (S)-VU0637120
Alternative Name(s): N.A.
IUPAC Name: (2S)-N-(6,7-Dihydro[1,4]dioxino[2,3-f]benzothiazol-2-yl)-1-(methylsulfonyl)-2-piperidinecarboxamide

Structure:



Amount:

CAS number(s): 1175940-86-9
Molecular Formula: C₁₆H₁₉N₃O₅S₂ **Molecular Weight:** 397.47
Batch Molecular Formula: C₁₆H₁₉N₃O₅S₂ **Batch Molecular Weight:** 397.47
Appearance: White solid **Observed mp:** 120 °C
TLC (R_f): 0.52 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): 100.0%
Optical Rotation (Det.): [α]_D = -72.4° with c = 0.098 in CHCl₃
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 48.35, H 4.82, N 10.57; Found: C 48.00, H 4.79, N 10.38
Storage Conditions: Store at -20 °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)	0.0	0.0	Insoluble
	DMSO	39.7	>100 mM	
	EtOH	39.7	>100 mM	

Remarks: Electrostatic.

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