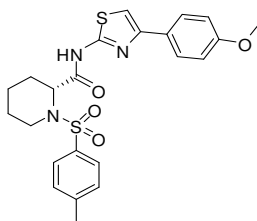




Certificate of Analysis

Axon Catalogue ID: 3196 **Batch Number:** 1
Product Name: ML277
Alternative Name(s): N.A.
IUPAC Name: (R)-N-(4-(4-Methoxyphenyl)thiazol-2-yl)-1-tosylpiperidine-2-carboxamide

Structure:



Amount:

CAS number(s): 1401242-74-7
Molecular Formula: C₂₃H₂₅N₃O₄S₂ **Molecular Weight:** 471.59
Batch Molecular Formula: C₂₃H₂₅N₃O₄S₂ **Batch Molecular Weight:** 471.59
Appearance: White solid **Observed mp:** 177.2 - 180.9 °C
TLC (R_f): 0.3 Hex/EtOAc (4:1)
Chemical Purity: 99.8%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +55.0° with c = 1 in MeOH
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.58, H 5.34, N 8.91; Found: C 58.23, H 5.26, N 8.87
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	26.7	56.6	
	EtOH			Not Tested

Remarks:

QC Date: 16-9-2020

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