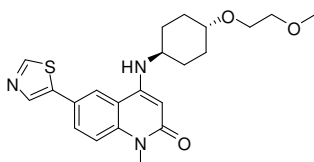




Certificate of Analysis

Axon Catalogue ID: 3570 **Batch Number:** 1
Product Name: CD38 inhibitor compound 78c
Alternative Name(s): CD38i 78c
IUPAC Name: 4-[[trans-4-(2-Methoxyethoxy)cyclohexyl]amino]-1-methyl-6-(5-thiazolyl)-2(1H)-quinolinone

Structure:



Amount:

CAS number(s): 1700637-55-3
Molecular Formula: C22H27N3O3S **Molecular Weight:** 413.53
Batch Molecular Formula: C22H27N3O3S.0.25H2O **Batch Molecular Weight:** 418.04
Appearance: Brown solid **Observed mp:** 108.1 - 110.2 °C
TLC (R_f): 0.5 EtOAc/MeOH (9:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.21, H 6.63, N 10.05; Found: C 63.24, H 6.41, N 9.79
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)	28.0	67.0	
	DMSO	41.8	>100 mM	
	EtOH	41.8	>100 mM	

Remarks:

QC Date: 25-4-2022

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