



Certificate of Analysis

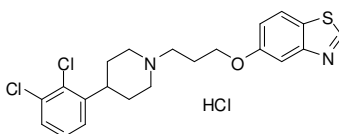
Axon Catalogue ID: 2562 **Batch Number:** 1

Product Name: UNC9994 hydrochloride

Alternative Name(s): N.A.

IUPAC Name: 5-(3-(4-(2,3-Dichlorophenyl)piperidin-1-yl)propoxy)benzo[d]thiazole hydrochloride

Structure:



Amount:

CAS number(s): 1354030-51-5 (parent), 2108826-33-9 (HCl (1:1))

Molecular Formula: C₂₁H₂₂Cl₂N₂OS.HCl **Molecular Weight:** 457.84

Batch Molecular Formula: C₂₁H₂₂Cl₂N₂OS.HCl **Batch Molecular Weight:** 457.84

Appearance: White solid **Observed mp:** >242 °C (decomp)

TLC (R_f): 0.7 DCM/MeOH (9:1)

Chemical Purity: 98.9%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 55.09, H 5.06, N 6.12; Found: C 54.81, H 4.73, N 5.99

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	27.0	59.0	
	EtOH			Not Tested

Remarks:

QC Date: 6-5-2021

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