



Certificate of Analysis

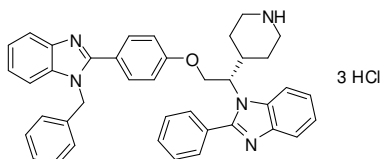
Axon Catalogue ID: 2284 **Batch Number:** 1

Product Name: Deltarasin trihydrochloride

Alternative Name(s): N.A.

IUPAC Name: (S)-1-Benzyl-2-(4-(2-(2-phenyl-1H-benzo[d]imidazol-1-yl)-2-(piperidin-4-yl)ethoxy)phenyl)-1H-benzo[d]imidazole trihydrochloride

Structure:



Amount:

CAS number(s): 1440898-82-7

Molecular Formula: C₄₀H₃₇N₅O.3HCl **Molecular Weight:** 713.14

Batch Molecular Formula: C₄₀H₃₇N₅O.3HCl.1H₂O **Batch Molecular Weight:** 731.15

Appearance: Off-white solid **Observed mp:** 233 - 235 °C

TLC (R_f): 0.4 DCM/MeOH (9:1)

Chemical Purity: 99.7%

Optical Purity (ee): Optically pure

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

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 65.71, H 5.79, N 9.58, Cl 14.55; Found: C 65.71, H 6.06, N 9.75, Cl 13.72

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	25.0	34.2	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	33.0	45.1	
	EtOH			Not Tested

Remarks:

QC Date: 15-5-2019

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