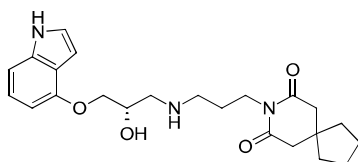




Certificate of Analysis

Axon Catalogue ID: 4455 **Batch Number:** 1
Product Name: TMU4142
Alternative Name(s): N.A.
IUPAC Name: 8-(3-((S)-2-Hydroxy-3-(4-indolyloxy)propylamino)propyl)-8-aza-7,9-spiro[4.5]decanedione

Structure:



Amount:

CAS number(s): 3133081-88-3
Molecular Formula: C₂₃H₃₁N₃O₄ **Molecular Weight:** 413.51
Batch Molecular Formula: C₂₃H₃₁N₃O₄·0.75H₂O **Batch Molecular Weight:** 427.02
Appearance: Grey solid **Observed mp:** 65 - 67 °C
TLC (R_f): 0.35 DCM/MeOH (9:1)
Chemical Purity: 97.7%
Optical Purity (ee): 99.7%
Optical Rotation (Det.): [α]_D = -2.2° with c = 1 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.69, H 7.67, N 9.84; Found: C 64.87, H 7.33, N 9.84
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	42.7	>100 mM	
	EtOH	42.7	>100 mM	

Remarks:

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