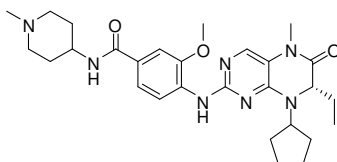




Certificate of Analysis

Axon Catalogue ID: 4192 **Batch Number:** 2
Product Name: (S)-BI 2536
Alternative Name(s): N.A.
IUPAC Name: (S)-4-(8-Cyclopentyl-7-ethyl-5-methyl-6-oxo-5,6,7,8-tetrahydropteridin-2-ylamino)-3-methoxy-N-(1-methylpiperidin-4-yl)benzamide

Structure:



Amount:

CAS number(s): 1241725-90-5
Molecular Formula: C₂₈H₃₉N₇O₃ **Molecular Weight:** 521.65
Batch Molecular Formula: C₂₈H₃₉N₇O₃.0.25H₂O **Batch Molecular Weight:** 526.16
Appearance: White solid **Observed mp:** 196.5 - 197.7 °C
TLC (R_f): 0.2 DCM/MeOH (4:1)
Chemical Purity: 99.7%
Optical Purity (ee): 100%
Optical Rotation (Det.): [α]_D = +161.9° with c = 1 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.92, H 7.57, N 18.63; Found: C 63.94, H 7.47, N 18.56
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)			Not Tested
	DMSO	52.6	>100 mM	
	EtOH	48.0	91.2	

Remarks:

QC Date: 10-5-2024

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