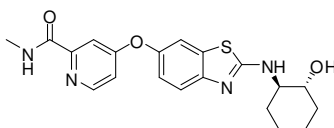




Certificate of Analysis

Axon Catalogue ID: 4084 **Batch Number:** 1
Product Name: Sotuletinib
Alternative Name(s): BLZ945
IUPAC Name: 4-(2-((1R,2R)-2-Hydroxycyclohexylamino)benzo[d]thiazol-6-yloxy)-N-methylpicolinamide

Structure:



Amount:

CAS number(s): 953769-46-5
Molecular Formula: C₂₀H₂₂N₄O₃S **Molecular Weight:** 398.48
Batch Molecular Formula: C₂₀H₂₂N₄O₃S **Batch Molecular Weight:** 398.48
Appearance: Off-white solid **Observed mp:** 204 - 205 °C
TLC (R_f): 0.48 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): 100%
Optical Rotation (Det.): [α]_D = -20.4° with c = 0.5 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.28, H 5.56, N 14.06; Found: C 60.03, H 5.45, N 14.02
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)	12.6	31.6	
	DMSO	39.8	>100 mM	
	EtOH	7.2	18.1	

Remarks:

QC Date: 12-1-2024

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