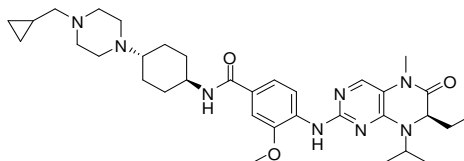




Certificate of Analysis

Axon Catalogue ID: 1473 **Batch Number:** 2
Product Name: BI 6727
Alternative Name(s): Volasertib
IUPAC Name: N-((trans)-4-(4-(cyclopropylmethyl)piperazin-1-yl)cyclohexyl)-4-((R)-7-ethyl-8-isopropyl-5-methyl-6-oxo-5,6,7,8-tetrahydropteridin-2-ylamino)-3-methoxybenzamide

Structure:



Amount:

CAS number(s): 755038-65-4
Molecular Formula: C₃₄H₅₀N₈O₃ **Molecular Weight:** 618.81
Batch Molecular Formula: C₃₄H₅₀N₈O₃ **Batch Molecular Weight:** 618.81
Appearance: White solid **Observed mp:** 195.5 - 196.5 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.43, H 8.28, N 17.71; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	7.7	12.4	
	EtOH			Not Tested

Remarks:

QC Date: 30-04-2019

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