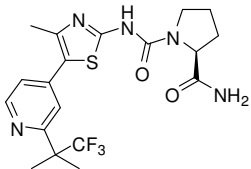




Certificate of Analysis

Axon Catalogue ID:	2925	Batch Number:	1
Product Name:	Alpelisib		
Alternative Name(s):	NVP-BYL719; BYL-719		
IUPAC Name:	(S)-N1-(4-Methyl-5-(2-(1,1,1-trifluoro-2-methylpropan-2-yl)pyridin-4-yl)thiazol-2-yl)pyrrolidine-1,2-dicarboxamide		
Structure:			Amount:
CAS number(s):	1217486-61-7		
Molecular Formula:	C ₁₉ H ₂₂ F ₃ N ₅ O ₂ S	Molecular Weight:	441.47
Batch Molecular Formula:	C ₁₉ H ₂₂ F ₃ N ₅ O ₂ S	Batch Molecular Weight:	441.47
Appearance:	White solid	Observed mp:	207 - 209 °C
TLC (R_f):	0.8	DCM/MeOH (9:1)	
Chemical Purity:	98.7%		
Optical Purity (ee):	Optically pure		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 51.69, H 5.02, N 15.86; Found: C 51.89, H 5.11, N 15.70		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)	2.1	4.8
	DMSO	44.1	>100 mM
	EtOH		Not Tested
Remarks:			
QC Date:	12-02-2019		

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