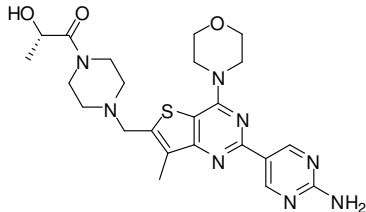


Certificate of Analysis

Axon Catalogue ID:	1782	Batch Number:	1
Product Name:	GDC 0980		
Alternative Name(s):	GNE 390		
IUPAC Name:	(S)-1-(4-((2-(2-Aminopyrimidin-5-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-6-yl)methyl)piperazin-1-yl)-2-hydroxypropan-1-one		
Structure:			Amount:
CAS number(s):	1032754-93-0		
Molecular Formula:	C ₂₃ H ₃₀ N ₈ O ₃ S	Molecular Weight:	498.60
Batch Molecular Formula:	C ₂₃ H ₃₀ N ₈ O ₃ S	Batch Molecular Weight:	498.60
Appearance:	White solid	Observed mp:	225.3 - 226.1 °C
TLC (R_f):	0.5	DCM/MeOH (9:1)	
Chemical Purity:	98.7%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 55.40, H 6.06, N 22.47; Found: C ND, H ND, N ND		
Storage Conditions:	Desiccate at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water		Not Tested
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	13.0	26.1
	EtOH		Not Tested
Remarks:			
QC Date:	12-03-2020		

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