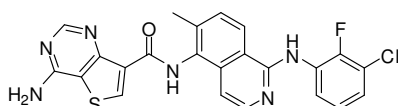




Certificate of Analysis

Axon Catalogue ID: 3067 **Batch Number:** 1
Product Name: Belvarafenib
Alternative Name(s): GDC-5573; HM95573
IUPAC Name: 4-Amino-N-(1-(3-chloro-2-fluorophenylamino)-6-methylisoquinolin-5-yl)thieno[3,2-d]pyrimidine-7-carboxamide

Structure:



Amount:

CAS number(s): 1446113-23-0
Molecular Formula: C₂₃H₁₆ClFN₆O₅ **Molecular Weight:** 478.93
Batch Molecular Formula: C₂₃H₁₆ClFN₆O₅·0.8H₂O **Batch Molecular Weight:** 493.34
Appearance: Beige solid **Observed mp:** >300 °C
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.99, H 3.60, N 17.03; Found: C 55.61, H 3.22, N 16.75
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	21.0	42.6	
	EtOH			Not Tested

Remarks:

QC Date: 07-02-2020

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