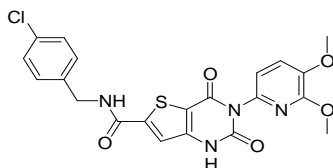




Certificate of Analysis

Axon Catalogue ID: 1948 **Batch Number:** 1
Product Name: HIF PHD Inhibitor 4
Alternative Name(s): N.A.
IUPAC Name: N-(4-chlorobenzyl)-3-(5,6-dimethoxypyridin-2-yl)-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,2-d]pyrimidine-6-carboxamide

Structure:



Amount:

CAS number: 1227946-51-1 **MW:** 472.90
Batch Molecular Formula: C₂₁H₁₇N₅O₅S **Batch MW:** 472.90
Appearance: White solid **Observed mp:** 301 °C (decomp)
TLC (R_f): 0.64 DCM/MeOH (9:1)
Chemical Purity: 98.3%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

Storage Conditions: Store 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	25.3	53.5	Soluble
	EtOH			Not Tested

Remarks: Electrostatic.

QC Date: 11/19/2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only