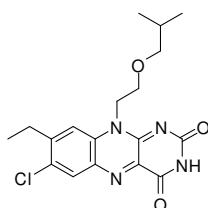




Certificate of Analysis

Axon Catalogue ID: 3959 **Batch Number:** 1
Product Name: JG-2016
Alternative Name(s): N.A.
IUPAC Name: 7-Chloro-8-ethyl-10-(2-isobutoxyethyl)benzo[g]pteridine-2,4(3H,10H)-dione

Structure:



Amount:

CAS number(s): 2887480-87-5
Molecular Formula: C₁₈H₂₁ClN₄O₃ **Molecular Weight:** 376.84
Batch Molecular Formula: C₁₈H₂₁ClN₄O₃·0.25H₂O **Batch Molecular Weight:** 381.34
Appearance: Yellow solid **Observed mp:** 267 °C (decomp)
TLC (R_f): 0.5 EtOAc (100%)
Chemical Purity: 99.3%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.69, H 5.68, N 14.69; Found: C 56.80, H 5.42, N 14.51
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	31.0	81.3	
	EtOH	10.0	26.2	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 7-11-2023

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