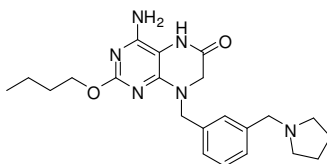




Certificate of Analysis

Axon Catalogue ID: 3585 **Batch Number:** 1
Product Name: Vesatolimod
Alternative Name(s): GS-9620
IUPAC Name: 4-Amino-2-butoxy-8-(3-(pyrrolidin-1-ylmethyl)benzyl)-7,8-dihydropteridin-6(5H)-one

Structure:



Amount:

CAS number(s): 1228585-88-3
Molecular Formula: C₂₂H₃₀N₆O₂ **Molecular Weight:** 410.51
Batch Molecular Formula: C₂₂H₃₀N₆O₂·0.5H₂O **Batch Molecular Weight:** 419.52
Appearance: Off-white solid **Observed mp:** >240 °C (decomp)
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 99.1%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.99, H 7.45, N 20.03; Found: C 62.69, H 7.22, N 19.83
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)	0.0	0.0	Insoluble
	0.1N HCl (aq)	20.0	47.7	
	DMSO	16.0	38.1	
	EtOH	7.2	17.2	* Warming (40°C)

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

QC Date: 26-1-2022

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