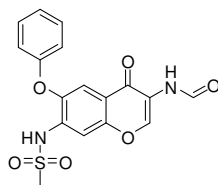




Certificate of Analysis

Axon Catalogue ID: 4048 **Batch Number:** 1
Product Name: Igaratimod
Alternative Name(s): T614
IUPAC Name: N-(7-(Methylsulfonamido)-4-oxo-6-phenoxy-4H-chromen-3-yl)formamide

Structure:



Amount:

CAS number(s): 123663-49-0
Molecular Formula: C₁₇H₁₄N₂O₆S **Molecular Weight:** 374.37
Batch Molecular Formula: C₁₇H₁₄N₂O₆S.0.5H₂O **Batch Molecular Weight:** 383.38
Appearance: White solid **Observed mp:** 239 °C
TLC (R_f): 0.33 DCM/MeOH (20:1)
Chemical Purity: >98%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.26, H 3.94, N 7.31; Found: C 53.39, H 3.60, N 7.37
Storage Conditions: Desiccate at -20 °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)			Not Tested
	DMSO	24.0	62.6	
	EtOH	0.0	0.0	Insoluble

Remarks: Suspected to be electrostatic

QC Date: 24-11-2023

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