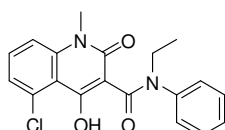




Certificate of Analysis

Axon Catalogue ID: 1970 **Batch Number:** 1
Product Name: Laquinimod
Alternative Name(s): ABR 215062
IUPAC Name: 5-Chloro-N-ethyl-4-hydroxy-1-methyl-2-oxo-N-phenyl-1,2-dihydroquinoline-3-carboxamide

Structure:



Amount:

CAS number(s): 248281-84-7
Molecular Formula: C₁₉H₁₇ClN₂O₃ **Molecular Weight:** 356.80
Batch Molecular Formula: C₁₉H₁₇ClN₂O₃ **Batch Molecular Weight:** 356.80
Appearance: Off-white solid **Observed mp:** 200 - 201 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.96, H 4.80, N 7.85; Found: C 63.96, H 4.68, N 7.89
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	25.0	70.1	
	EtOH			Not Tested

Remarks: Suspected to be unstable in solution.

QC Date: 14-01-2020

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