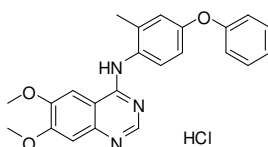




Certificate of Analysis

Axon Catalogue ID: 2611 **Batch Number:** 1
Product Name: APS-2-79
Alternative Name(s): N.A.
IUPAC Name: 6,7-Dimethoxy-N-(2-methyl-4-phenoxyphenyl)quinazolin-4-amine hydrochloride

Structure:



Amount:

CAS number(s): 2002381-25-9
Molecular Formula: C₂₃H₂₁N₃O₃.HCl **Molecular Weight:** 423.89
Batch Molecular Formula: C₂₃H₂₁N₃O₃.HCl **Batch Molecular Weight:** 423.89
Appearance: White solid **Observed mp:** 242.2 °C (decomp)
TLC (R_f): 0.83 DCM/MeOH (9:1)
Chemical Purity: 98.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.17, H 5.23, N 9.91, Cl 8.36; Found: C 65.45, H 5.27, N 9.89, Other: 7.79
Storage Conditions: Desiccate 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)			Not Tested
	DMSO	34.0	80.2	
	EtOH			Not Tested

Remarks:

QC Date: 28-10-2021

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