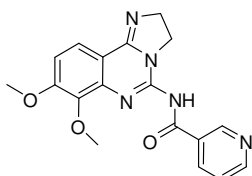




Certificate of Analysis

Axon Catalogue ID: 1362 **Batch Number:** 3
Product Name: PIK 90
Alternative Name(s): N.A.
IUPAC Name: N-(7,8-Dimethoxy-2,3-dihydro-imidazo[1,2-c]quinazolin-5-yl)-nicotinamide

Structure:



Amount:

CAS number(s): 677338-12-4
Molecular Formula: C₁₈H₁₇N₅O₃ **Molecular Weight:** 351.36
Batch Molecular Formula: C₁₈H₁₇N₅O₃ **Batch Molecular Weight:** 351.36
Appearance: Off-white solid **Observed mp:** 258 - 259 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.53, H 4.88, N 19.93; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	2.7	7.7	
	EtOH			Not Tested

Remarks: The drug is best dissolved in 50%:50% DMSO / 0.1 N HCl(aq) yielding a clear solution at room temperature.
Or in 50%:50% DMSO-H₂O with the addition of 0.1N HCl(aq) to adjust pH of the solution

QC Date: 21-10-2019

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