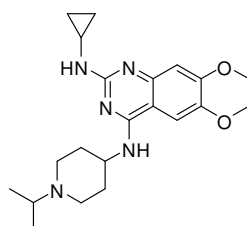




Certificate of Analysis

Axon Catalogue ID: 2937 **Batch Number:** 1
Product Name: ZT-12-037-01
Alternative Name(s): N.A.
IUPAC Name: N2-Cyclopropyl-N4-(1-isopropylpiperidin-4-yl)-6,7-dimethoxyquinazoline-2,4-diamine

Structure:



Amount:

CAS number(s): 2328073-61-4
Molecular Formula: C₂₁H₃₁N₅O₂ **Molecular Weight:** 385.50
Batch Molecular Formula: C₂₁H₃₁N₅O₂·0.25H₂O **Batch Molecular Weight:** 390.01
Appearance: Off-white solid **Observed mp:** 116 - 119 °C
TLC (R_f): 0.6 DCM/MeOH/NH₃ (1:1:0.1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.67, H 8.14, N 17.96; Found: C 64.88, H 8.32, N 18.08
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)			Not Tested
	0.1N HCl (aq)	18.0	46.2	Sonication enhances solubility
	DMSO	39.0	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 11-06-2019

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