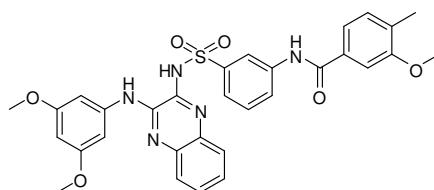




Certificate of Analysis

Axon Catalogue ID: 1706 **Batch Number:** 1
Product Name: XL PI3K/mTOR inhibitor
Alternative Name(s): N.A.
IUPAC Name: N-(3-(N-(3-(3,5-Dimethoxyphenylamino)quinoxalin-2-yl)sulfamoyl)phenyl)-3-methoxy-4-methylbenzamide

Structure:



Amount:

CAS number(s): 934529-30-3
Molecular Formula: C₃₁H₂₉N₅O₆S **Molecular Weight:** 599.66
Batch Molecular Formula: C₃₁H₂₉N₅O₆S **Batch Molecular Weight:** 599.66
Appearance: Yellow solid **Observed mp:** 253 - 257 °C
TLC (R_f): 0.65 Hexane/EtOAc (1:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.09, H 4.87, N 11.68; Found: C ND, H ND, N ND
Storage Conditions: Desiccate 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	5.0	8.3	
	EtOH			Not Tested

Remarks:

QC Date: 15-11-2018

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