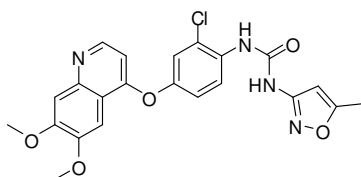




Certificate of Analysis

Axon Catalogue ID: 1717 **Batch Number:** 1
Product Name: Tivozanib
Alternative Name(s): AV 951; KRN 951
IUPAC Name: 1-(2-Chloro-4-(6,7-dimethoxyquinolin-4-yloxy)phenyl)-3-(5-methylisoxazol-3-yl)urea

Structure:



Amount:

CAS number(s): 475108-18-0
Molecular Formula: C₂₂H₁₉ClN₄O₅ **Molecular Weight:** 454.86
Batch Molecular Formula: C₂₂H₁₉ClN₄O₅ **Batch Molecular Weight:** 454.86
Appearance: White solid **Observed mp:** 228.8 - 230.0 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 98.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.09, H 4.21, N 12.32; 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	4.7	10.3	
	EtOH			Not Tested

Remarks:

QC Date: 16-11-2018

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