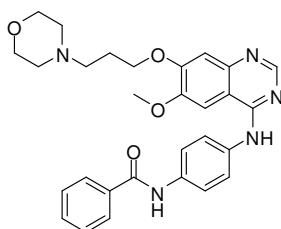


Certificate of Analysis

Axon Catalogue ID: 1541 **Batch Number:** 1
Product Name: ZM 447439
Alternative Name(s): N.A.
IUPAC Name: N-(4-(6-methoxy-7-(3-morpholinopropoxy)quinazolin-4-ylamino)phenyl)benzamide

Structure:



Amount:

CAS number(s): 331771-20-1
Molecular Formula: C₂₉H₃₁N₅O₄ **Molecular Weight:** 513.59
Batch Molecular Formula: C₂₉H₃₁N₅O₄ **Batch Molecular Weight:** 513.59
Appearance: White solid **Observed mp:** 113 - 115 °C
TLC (R_f): 0.35 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.82, H 6.08, N 13.64; 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)	5.0	9.7	
	DMSO	51.4	>100 mM	
	EtOH			Not Tested

Remarks: The material is insoluble in water but relatively soluble when compensated with acid.

QC Date: 07-03-2019

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