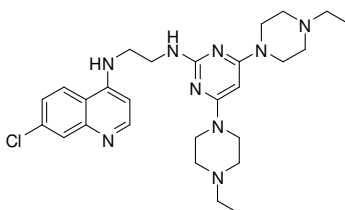




Certificate of Analysis

Axon Catalogue ID: 4081 **Batch Number:** 1
Product Name: 4A7C-301
Alternative Name(s): N.A.
IUPAC Name: N1-(4,6-Bis(4-ethylpiperazin-1-yl)pyrimidin-2-yl)-N2-(7-chloroquinolin-4-yl)ethane-1,2-diamine

Structure:



Amount:

CAS number(s): N.A.
Molecular Formula: C₂₇H₃₈CIN₉ **Molecular Weight:** 524.10
Batch Molecular Formula: C₂₇H₃₈CIN₉.0.25H₂O **Batch Molecular Weight:** 528.61
Appearance: White solid **Observed mp:** 111.4 - 113.2 °C
TLC (R_f): 0.3 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.35, H 7.34, N 23.85; Found: C 61.18, H 7.27, N 23.91
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	11.0	20.8	
DMSO	52.0	98.4	
EtOH	46.0	87.0	

Remarks:

QC Date: 23-2-2024

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