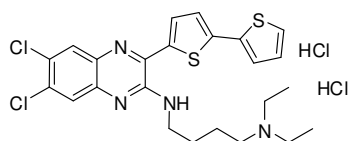




Certificate of Analysis

Axon Catalogue ID: 1501 **Batch Number:** 2
Product Name: PD 0220245
Alternative Name(s): N.A.
IUPAC Name: N-(3-[2,20]bithiophenyl-5-yl-6,7-dichloroquinoxalin-2-yl)-N,N-diethyl-butane-1,4-diamine dihydrochloride

Structure:



Amount:

CAS number(s): 239094-97-4
Molecular Formula: C₂₄H₂₆Cl₂N₄S₂·2HCl **Molecular Weight:** 578.45
Batch Molecular Formula: C₂₄H₂₆Cl₂N₄S₂·2HCl **Batch Molecular Weight:** 578.45
Appearance: Red solid **Observed mp:** 162.2 - 163.4 °C
TLC (R_f): 0.4 DCM/MeOH (9:1), (NH₃.SiO₂), FB
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 49.83, H 4.88, N 9.69; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	30.0	51.9	Slightly warming (40 °C) required
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO		>100	
	EtOH			Not Tested

Remarks:

QC Date: 02-07-2019

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