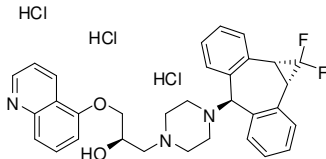


Certificate of Analysis

Axon Catalogue ID:	1839	Batch Number:	3	
Product Name:	Zosuquidar trihydrochloride			
Alternative Name(s):	LY335979			
IUPAC Name:	(αR)-4-[(1α,6α,10β)-1,1-Difluoro-1,1a,6,10b-tetrahydrodibenzo[a,e]cyclopropa[c]cyclohepten-6-yl]-α-[(5-quinolinyl)oxy)methyl]-1-piperazineethanol trihydrochloride			
Structure:		Amount:		
CAS number(s):	167354-41-8 (parent), 167465-36-3 (HCl (1:3))			
Molecular Formula:	C32H31F2N3O2.3HCl	Molecular Weight:	636.99	
Batch Molecular Formula:	C32H31F2N3O2.3HCl.0.25H2O	Batch Molecular Weight:	641.49	
Appearance:	Pale-yellow solid	Observed mp:	198 °C (decomp)	
TLC (R_f):	0.8	DCM/MeOH (9:1)		
Chemical Purity:	98.6%			
Optical Purity (ee):	Optically pure			
Optical Rotation (observed):	[α] _D = 12.8° with c = 0.5 in MeOH			
¹H-NMR (300 MHz):	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 59.91, H 5.42, N 6.55; Found: C 59.86, H 5.43, N 6.40			
Storage Conditions:	Store at -20°C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	11.2	17.5	Ultrasonicated
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	20.0	31.2	
	EtOH			Not Tested
Remarks:				
QC Date:	21-2-2018			

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