



Certificate of Analysis

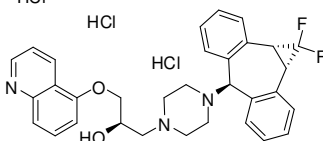
Axon Catalogue ID: 1839 **Batch Number:** 1

Product Name: Zosuquidar trihydrochloride

Alternative Name(s): LY335979

IUPAC Name: (αR)-4-[(1α,6α,10bα)-1,1-Difluoro-1,1a,6,10b-tetrahydrodibenzo[a,e]cyclopropa[c]cyclohepten-6-yl]-α-[(5-quinolinyl)oxy)methyl]-1-piperazineethanol trihydrochloride

Structure: HCl **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·1.5H₂O **Batch Molecular Weight:** 664.01

Appearance: Pale-yellow solid **Observed mp:** 215 - 216 °C

TLC (R_f): 0.7 DCM/MeOH (9:1)

Chemical Purity: 99.7%

Optical Purity (ee): Optically pure

Optical Rotation (observed): [α]_D = 8.1° with c = 0.52 in Methanol

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 57.88, H 5.62, N 6.33; Found: C 57.46, H 5.88, N 6.34

Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	28.0	42.2	
EtOH			Not Tested

Remarks:

QC Date: 30-11-2018

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