



## Certificate of Analysis

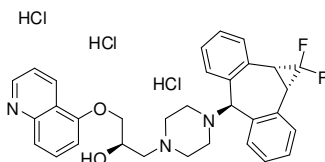
**Axon Catalogue ID:** 1839 **Batch Number:** 4

**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:** C<sub>32</sub>H<sub>31</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>·3HCl **Molecular Weight:** 636.99

**Batch Molecular Formula:** C<sub>32</sub>H<sub>31</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>·3HCl·1H<sub>2</sub>O **Batch Molecular Weight:** 655.00

**Appearance:** Pale-yellow solid **Observed mp:** 194.5 - 196 °C

**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)

**Chemical Purity:** 99.7%

**Optical Purity (ee):** Optically pure

**Optical Rotation (observed):** [α]<sub>D</sub> = 12.7° with c = 0.5 in MeOH

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 58.68, H 5.54, N 6.42; Found: C 58.35, H 5.90, N 6.28

**Storage Conditions:** Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	15.2	23.2	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	65.5	>100 mM	
EtOH	65.5	>100 mM	

**Remarks:**

**QC Date:** 12-8-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**