



Certificate of Analysis

Axon Catalogue ID:	2879	Batch Number:	1																								
Product Name:	CP 31398 dihydrochloride																										
Alternative Name(s):	N.A.																										
IUPAC Name:	(E)-N1-(2-(4-methoxystyryl)quinazolin-4-yl)-N3,N3-dimethylpropane-1,3-diamine dihydrochloride																										
Structure:	HCl HCl	Amount:																									
CAS number(s):	259199-65-0 (parent), 1217195-61-3 (HCl salt (1:2))																										
Molecular Formula:	C ₂₂ H ₂₈ Cl ₂ N ₄ O	Molecular Weight:	435.39																								
Batch Molecular Formula:	C ₂₂ H ₂₈ Cl ₂ N ₄ O.1.25H ₂ O	Batch Molecular Weight:	457.91																								
Appearance:	Yellow solid	Observed mp:	>280 °C (decomp)																								
TLC (R_f):	0.4	DCM/MeOH/NH ₃ (9:1:0.1)																									
Chemical Purity:	98.8%																										
Optical Purity (ee):	N.A.																										
¹H-NMR (300 MHz):	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 57.70, H 6.71, N 12.24; Found: C 57.64, H 6.84, N 12.53																										
Storage Conditions:	Desiccate at -20 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>45.8</td><td>>100 mM</td><td></td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>8.4</td><td>18.3</td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	45.8	>100 mM		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	8.4	18.3		EtOH			Not Tested		
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QC Date:	20-12-2018																										

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