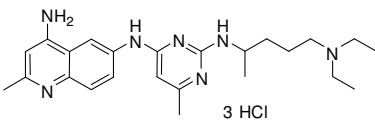




Certificate of Analysis

Axon Catalogue ID:	1578	Batch Number:	4																								
Product Name:	NSC 23766 trihydrochloride																										
Alternative Name(s):	N.A.																										
IUPAC Name:	N ⁺ 6 ⁻ -[2-(4-Diethylamino-1-methyl-butylamino)-6-methyl-pyrimidin-4-yl]-2-methyl-quinoline-4,6-diamine trihydrochloride																										
Structure:		Amount:																									
CAS number(s):	733767-34-5 (parent), 1177865-17-6 (HCl salt (1:3))																										
Molecular Formula:	C24H35N7.3HCl	Molecular Weight:	530.96																								
Batch Molecular Formula:	C24H35N7.3HCl.2H2O	Batch Molecular Weight:	566.99																								
Appearance:	Off-white solid	Observed mp:	>205 °C (decomp)																								
TLC (R_f):	0.2	DCM/MeOH (1:1)																									
Chemical Purity:	98.6%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 50.84, H 7.47, N 17.29, Cl 18.76; Found: C 50.95, H 7.76, N 17.59, Cl 18.71																										
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>52.0</td><td>91.7</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>22.0</td><td>38.8</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	52.0	91.7		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	22.0	38.8		EtOH			Not Tested		
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Remarks:																											
QC Date:	10-10-2023																										

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