



Certificate of Analysis

Axon Catalogue ID:	1578	Batch Number:	5	
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 (1:3))			
Molecular Formula:	C24H35N7.3HCl	Molecular Weight:	530.96	
Batch Molecular Formula:	C24H35N7.3HCl.1.75H2O	Batch Molecular Weight:	562.49	
Appearance:	Off-white solid	Observed mp:	>210 °C (decomp)	
TLC (R_f):	0.2	DCM/MeOH (1:1)		
Chemical Purity:	98.2%			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 51.25, H 7.44, N 17.43; Found: C 51.64, H 7.84, N 17.67			
Storage Conditions:	Desiccate at -20 °C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	56.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.0	48.0	
	EtOH	26.0	46.2	* Warming (40°C)
Remarks:	* Warming (40°C) enhanced solubility.			
QC Date:	25-7-2023			

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