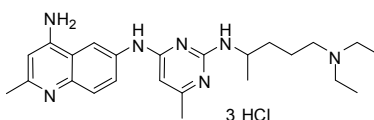




Certificate of Analysis

Axon Catalogue ID: 1578 **Batch Number:** 3
Product Name: NSC 23766 trihydrochloride
Alternative Name(s): N.A.
IUPAC Name: N⁶-(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: C₂₄H₃₅N₇·3.2HCl **Molecular Weight:** 538.26
Batch Molecular Formula: C₂₄H₃₅N₇·3.2HCl·4H₂O **Batch Molecular Weight:** 610.32
Appearance: Off-white solid **Observed mp:** 196.8 - 198.1 °C
TLC (R_f): 0.2 DCM/MeOH (1:1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 47.23, H 7.63, N 16.06, Cl 18.59; Found: C 47.53, H 7.41, N 16.02, Cl 18.91
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	54.0	88.5	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	22.0	36.0	
	EtOH			Not Tested

Remarks:

QC Date: 29-09-2016

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