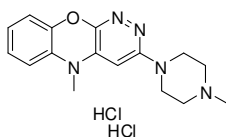




Certificate of Analysis

Axon Catalogue ID: 1462 **Batch Number:** 1
Product Name: Azafen
Alternative Name(s): Azafen; Azaphenonxazine dihydrochloride
IUPAC Name: 10-Methyl-3-(4-methyl-piperazin-1-yl)-10H-9-oxa-1,2,10-triaza-anthracene dihydrochloride

Structure:



Amount:

CAS number(s): 24886-52-0 (parent), 24853-80-3 (HCl (1:2))
Molecular Formula: C₁₆H₁₉N₅O₂HCl **Molecular Weight:** 370.28
Batch Molecular Formula: C₁₆H₁₉N₅O₂HCl **Batch Molecular Weight:** 370.28
Appearance: Yellow solid **Observed mp:** 290 °C (dcomp)
TLC (R_f): 0.2 DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.90, H 5.72, N 18.91; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	37.0	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Poorly soluble
	EtOH			Not Tested

Remarks:

QC Date: 30-7-2009

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