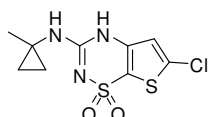




Certificate of Analysis

Axon Catalogue ID: 1647 **Batch Number:** 2
Product Name: NN 414
Alternative Name(s): Tifenazoxide
IUPAC Name: 6-Chloro-3-(1-methylcyclopropylamino)-4H-thieno[3,2-e][1,2,4]thiadiazine-1,1-dioxide

Structure:



Amount:

CAS number(s): 279215-43-9
Molecular Formula: C₉H₁₀CIN₃O₂S₂ **Molecular Weight:** 291.78
Batch Molecular Formula: C₉H₁₀CIN₃O₂S₂ **Batch Molecular Weight:** 291.78
Appearance: Off-white solid **Observed mp:** 249 - 251 °C
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 37.05, H 3.45, N 14.39; Found: C 37.03, H 3.30, N 14.19
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	29.2	>100 mM	Very soluble
	EtOH			Not Tested

Remarks:

QC Date: 22-10-2018

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