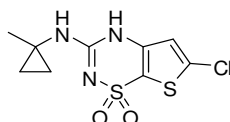




## Certificate of Analysis

**Axon Catalogue ID:** 1647 **Batch Number:** 4  
**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:** C<sub>9</sub>H<sub>10</sub>CIN<sub>3</sub>O<sub>2</sub>S<sub>2</sub> **Molecular Weight:** 291.78  
**Batch Molecular Formula:** C<sub>9</sub>H<sub>10</sub>CIN<sub>3</sub>O<sub>2</sub>S<sub>2</sub> **Batch Molecular Weight:** 291.78  
**Appearance:** Beige solid **Observed mp:** 254.9 - 258.4 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 98.4%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 37.05, H 3.45, N 14.40; Found: C 37.00, H 3.32, N 14.26  
**Storage Conditions:** Store at +4 °C

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

**Remarks:**

**QC Date:** 29-04-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**