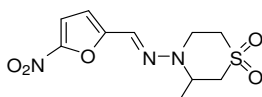




Certificate of Analysis

Axon Catalogue ID: 3391 **Batch Number:** 1
Product Name: Nifurtimox
Alternative Name(s): BAY2502
IUPAC Name: N-(3-Methyl-1,1-dioxo-1,4-thiazinan-4-yl)-1-(5-nitrofuran-2-yl)methanimine

Structure:



Amount:

CAS number(s): 23256-30-6
Molecular Formula: C₁₀H₁₃N₃O₅S **Molecular Weight:** 287.29
Batch Molecular Formula: C₁₀H₁₃N₃O₅S **Batch Molecular Weight:** 287.29
Appearance: Orange solid **Observed mp:** 181 °C
TLC (R_f): 0.5 Hex/EtOAc (20:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 41.81, H 4.56, N 14.63; Found: C 41.97, H 4.49, N 14.68
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)	1.0	3.5	Insoluble
	DMSO	28.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 26-04-2021

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only