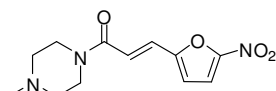




Certificate of Analysis

Axon Catalogue ID: 2564 **Batch Number:** 1
Product Name: NSC 59984
Alternative Name(s): N.A.
IUPAC Name: (E)-1-(4-Methylpiperazin-1-yl)-3-(5-nitrofuran-2-yl)prop-2-en-1-one

Structure:



Amount:

CAS number(s): 803647-40-7
Molecular Formula: C₁₂H₁₅N₃O₄ **Molecular Weight:** 265.27
Batch Molecular Formula: C₁₂H₁₅N₃O₄ **Batch Molecular Weight:** 265.27
Appearance: Off-white solid **Observed mp:** 152.9 - 154.1 °C
TLC (R_f): 0.58 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.33, H 5.70, N 15.84; Found: C 54.13, H 5.79, N 15.85
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	10.3	38.9	
	DMSO	17.0	64.1	
	EtOH			Not Tested

Remarks:

QC Date: 27-05-2021

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