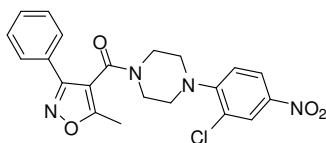




Certificate of Analysis

Axon Catalogue ID: 2907 **Batch Number:** 1
Product Name: Nucleozin
Alternative Name(s): N.A.
IUPAC Name: (4-(2-Chloro-4-nitrophenyl)piperazin-1-yl)(5-methyl-3-phenylisoxazol-4-yl)methanone

Structure:



Amount:

CAS number(s): 341001-38-5
Molecular Formula: C₂₁H₁₉ClN₄O₄ **Molecular Weight:** 426.85
Batch Molecular Formula: C₂₁H₁₉ClN₄O₄·0.5H₂O **Batch Molecular Weight:** 435.86
Appearance: Yellow solid **Observed mp:** 167.9 - 169.5 °C
TLC (R_f): 0.6 Hexane/EtOAc (1:1)
Chemical Purity: 98.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.87, H 4.63, N 12.85; Found: C 57.70, H 4.30, N 12.83
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)			Not Tested
	DMSO	43.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 27-11-2018

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