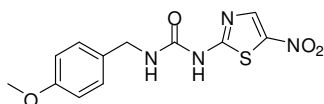




Certificate of Analysis

Axon Catalogue ID: 2167 **Batch Number:** 1
Product Name: AR-A 014418
Alternative Name(s): N.A.
IUPAC Name: 1-(4-Methoxybenzyl)-3-(5-nitrothiazol-2-yl)urea

Structure:



Amount:

CAS number(s): 487021-52-3
Molecular Formula: C₁₂H₁₂N₄O₄S **Molecular Weight:** 308.31
Batch Molecular Formula: C₁₂H₁₂N₄O₄S **Batch Molecular Weight:** 308.31
Appearance: Light-brown solid **Observed mp:** 209.8 - 210.3 °C
TLC (R_f): 0.6 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 46.75, H 3.92, N 18.17; Found: C 46.74, H 3.86, N 18.30
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)			Not Tested
	DMSO	30.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 18-10-2018

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