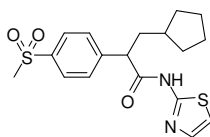




## Certificate of Analysis

**Axon Catalogue ID:** 1134 **Batch Number:** 2  
**Product Name:** RO 28-0450  
**Alternative Name(s):** RO 28-1675, (±)-  
**IUPAC Name:** 3-Cyclopentyl-2-(4-methanesulfonyl-phenyl)-N-thiazol-2-yl-propionamide

**Structure:**



**Amount:**

**CAS number(s):** 300352-96-9  
**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub> **Molecular Weight:** 378.51  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub> **Batch Molecular Weight:** 378.51  
**Appearance:** White solid **Observed mp:** 221.6 - 222.4 °C  
**TLC (R<sub>f</sub>):** 0.3 Hexane/Ethyl Acetate (1:1)  
**Chemical Purity:** 98.0%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 57.12, H 5.86, N 7.40; Found: C 57.74, H 5.81, N 7.72  
**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	9.3	24.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-5-2024

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**