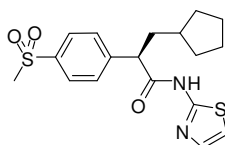




## Certificate of Analysis

**Axon Catalogue ID:** 1356 **Batch Number:** 4  
**Product Name:** Ro 28-1675  
**Alternative Name(s):** (R)-RO 28-0450  
**IUPAC Name:** (R)-3-Cyclopentyl-2-(4-(methylsulfonyl)phenyl)-N-(thiazol-2-yl)propanamide

**Structure:**



**Amount:**

**CAS number(s):** 300353-13-3  
**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:** Off-white solid **Observed mp:** 160 °C  
**TLC (R<sub>f</sub>):** 0.3 EtOAc/Hex (1:1)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** >99.5%  
**<sup>1</sup>H-NMR (300 MHz):** 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 57.18, H 5.83, N 7.39  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	37.9	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 30-01-2020

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**