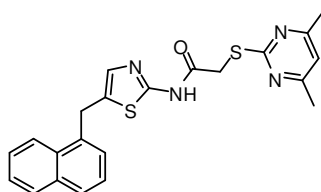




## Certificate of Analysis

**Axon Catalogue ID:** 2453 **Batch Number:** 1  
**Product Name:** SirReal 2  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(4,6-Dimethylpyrimidin-2-ylthio)-N-(5-(naphthalen-1-ylmethyl)thiazol-2-yl)acetamide

**Structure:**



**Amount:**

**CAS number(s):** 709002-46-0  
**Molecular Formula:** C<sub>22</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>S **Molecular Weight:** 420.55  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>S **Batch Molecular Weight:** 420.55  
**Appearance:** Brown solid **Observed mp:** 166 °C  
**TLC (R<sub>f</sub>):** 0.67 DCM/MeOH (20:1)  
**Chemical Purity:** 98.3%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.83, H 4.79, N 13.32; Found: C 62.93, H 4.73, N 13.50  
**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	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	18.0	42.8	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 29-10-2020

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**