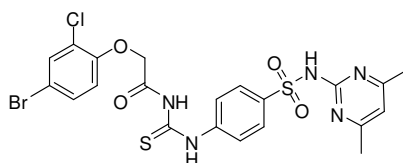




## Certificate of Analysis

**Axon Catalogue ID:** 2138 **Batch Number:** 1  
**Product Name:** ZCL 278  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(4-Bromo-2-chlorophenoxy)-N-(4-(N-(4,6-dimethylpyrimidin-2-yl)sulfamoyl)phenylcarbamothioyl)acetamide

**Structure:**



**Amount:**

**CAS number(s):** 587841-73-4  
**Molecular Formula:** C<sub>21</sub>H<sub>19</sub>BrClN<sub>5</sub>O<sub>4</sub>S<sub>2</sub> **Molecular Weight:** 584.89  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>19</sub>BrClN<sub>5</sub>O<sub>4</sub>S<sub>2</sub>.1H<sub>2</sub>O **Batch Molecular Weight:** 602.91  
**Appearance:** White solid **Observed mp:** 191 - 193 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (20:1)  
**Chemical Purity:** 98.2%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 41.83, H 3.51, N 11.62; Found: C 41.79, H 3.32, N 11.36  
**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	60.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 30-09-2020

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**