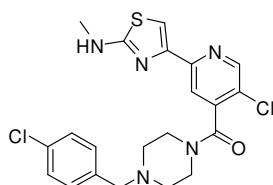




## Certificate of Analysis

**Axon Catalogue ID:** 2896 **Batch Number:** 1  
**Product Name:** WNK Inhibitor 11  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (5-Chloro-2-(2-(methylamino)thiazol-4-yl)pyridin-4-yl)(4-(4-chlorobenzyl)piperazin-1-yl)methanone

**Structure:**



**Amount:**

**CAS number(s):** 2123489-30-3  
**Molecular Formula:** C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>3</sub> **Molecular Weight:** 462.40  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>3</sub> **Batch Molecular Weight:** 462.40  
**Appearance:** Light-yellow solid **Observed mp:** 97.4 - 99.0 °C  
**TLC (R<sub>f</sub>):** 0.7 EtOAc/MeOH/NH<sub>3</sub> (100:1:0.1)  
**Chemical Purity:** 98.5%  
**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 54.55, H 4.58, N 15.15; Found: C 54.38, H 4.51, N 14.91  
**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)	0.0	0.0	Insoluble
	DMSO	46.2	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 29-10-2018

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**