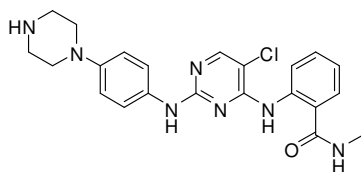




## Certificate of Analysis

**Axon Catalogue ID:** 2992 **Batch Number:** 1  
**Product Name:** CTx-0294885  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(5-Chloro-2-(4-(piperazin-1-yl)phenylamino)pyrimidin-4-ylamino)-N-methylbenzamide

**Structure:**



**Amount:**

**CAS number(s):** 1439934-41-4  
**Molecular Formula:** C<sub>22</sub>H<sub>24</sub>ClN<sub>7</sub>O **Molecular Weight:** 437.93  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>24</sub>ClN<sub>7</sub>O.0.5H<sub>2</sub>O **Batch Molecular Weight:** 446.93  
**Appearance:** White solid **Observed mp:** 197 - 217 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.59 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.8%  
**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 59.12, H 5.64, N 21.94; Found: C 59.23, H 5.55, N 22.28  
**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)	34.0	76.1	
	DMSO	44.7	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-06-2019

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**