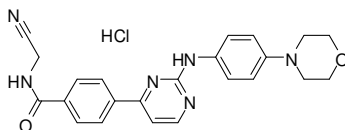




## Certificate of Analysis

**Axon Catalogue ID:** 4124 **Batch Number:** 1  
**Product Name:** Momelotinib hydrochloride  
**Alternative Name(s):** CYT387 hydrochloride  
**IUPAC Name:** N-(Cyanomethyl)-4-(2-(4-morpholinophenylamino)pyrimidin-4-yl)benzamide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1056634-68-4 (parent), 1841094-16-3 (HCl (1:1))  
**Molecular Formula:** C<sub>23</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>.HCl **Molecular Weight:** 450.92  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>.HCl.H<sub>2</sub>O **Batch Molecular Weight:** 468.94  
**Appearance:** Pale-yellow solid **Observed mp:** 251.9 - 259.7 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)  
**Chemical Purity:** 98.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 58.91, H 5.37, N 17.92; Found: C 58.54, H 4.95, N 17.61  
**Storage Conditions:** Desiccate at -20 °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	14.5	30.9	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 24-1-2024

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**