

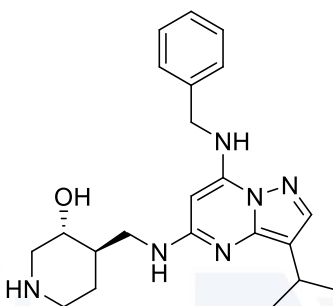


Northeast Business Center

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## Certificate of Analysis



<b>Product Name:</b>	<b>CT-7001 (Hydrochloride)</b>
<b>Synonym:</b>	Samuraciclib, ICEC0942
<b>CAS No:</b>	1805789-54-1 (HCl)
<b>Prod. No:</b>	CT-CT7001
<b>Lot No:</b>	01
<b>Batch Empirical Formula</b> <b>Batch Empirical Wt.</b>	$C_{23}H_{30}N_6O \cdot 2HCl \cdot 1.5H_2O$ 506.5
<b>Solubility</b>	Soluble in <b>Water</b> (50.7mg/ml, 100 mM) DMSO (50.7mg/ml, 100 mM)
<b>Storage</b>	Store at 0-4 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	White to Off-white powder
<b>Quality Control</b>	MS: [✓] $^1H$ -NMR: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] <b>Quantitative Elemental Analysis: [✓] <math>C_{23}H_{30}N_6O \cdot 2HCl \cdot 1.5H_2O</math></b> Calculated: C: 54.54%; H: 6.97%; N: 16.59%; Cl: 14.00% Found: C: 54.24%; H: 7.18%; N: 17.22%; Cl: 14.21%
<b>Chemical Purity</b>	>99% (Achiral HPLC)
<b>Optical Purity (e.e, d.e)</b>	>99% (Chiral HPLC)