

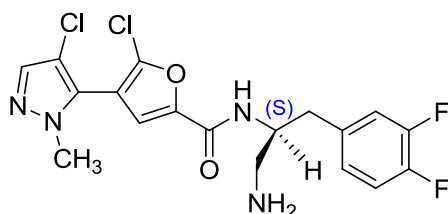


Northeast Business Center

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## Certificate of Analysis



<b>Product Name:</b>	<b>Uprosertib (free base)</b>
<b>Synonym:</b>	GSK2141795, GSK795
<b>CAS No:</b>	1047634-65-0 (free base)
<b>Prod. No:</b>	CT-GSK214
<b>Lot No:</b>	01
Batch Empirical Formula	C <sub>18</sub> H <sub>16</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Batch Empirical. Wt.	429.2
Solubility	Soluble in DMSO (100 mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	White powder
<b>Quality Control</b>	MS: [✓] <sup>1</sup> HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C <sub>18</sub> H <sub>16</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>4</sub> O <sub>2</sub> Calculated: C: 50.37%; H: 3.76 %; N: 13.05 % Found: C: 49.98%; H: 3.80%; N: 12.98%
<b>Optical Rotation</b>	$[\alpha]_D^{20} = +5.4^\circ$ (c 1.0, MeOH)
<b>Chemical Purity</b>	>99% (HPLC at 214 nm) >99% (HPLC at 254 nm)
<b>Optical Purity (ee)</b>	100% (Chiral HPLC)