

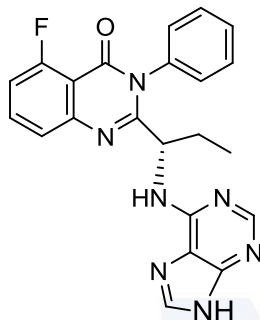


Northeast Business Center

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## Certificate of Analysis



<b>Product Name:</b>	<b>CAL-101</b>
<b>Synonym:</b>	GS-1101
<b>CAS No:</b>	1146702-54-6
<b>Prod. No:</b>	CT-CAL101
<b>Lot No:</b>	02
Batch Empirical Formula	C <sub>22</sub> H <sub>18</sub> FN <sub>7</sub> O · 0.3H <sub>2</sub> O
Batch Empirical Wt.	420.8
Solubility	Soluble in DMSO
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	White crystalline powder
<b>Quality Control</b>	MS: [✓] <sup>1</sup> HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C <sub>22</sub> H <sub>18</sub> FN <sub>7</sub> O · 0.3H <sub>2</sub> O Calculated: C: 62.79% H: 4.45% N: 23.24% Found: C: 62.81% H: 4.49% N: 25.34%
<b>Loss on Drying</b>	< 0.2%
<b>Chemical Purity</b>	>99% (HPLC at 254 nm), >98% (HPLC at 214 nm)
<b>Optical Purity</b>	>99% (Chiral HPLC)