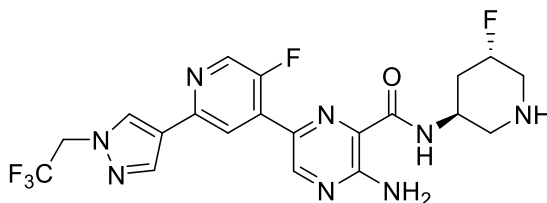


**Northeast Business Center**

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## Certificate of Analysis



<b>Product Name:</b>	ART-446
<b>Synonym:</b>	ART446
<b>Cas No:</b>	2984543-29-3
<b>Prod. No:</b>	CT-ART446
<b>Lot No:</b>	01
Batch Empirical Formula Batch Empirical Wt.	C <sub>20</sub> H <sub>19</sub> F <sub>5</sub> N <sub>8</sub> O · 0.3H <sub>2</sub> O 487.8
Solubility	Soluble In DMSO (48.8mg/ml, 100 mM) In 0.1N HCl Aqueous Solution (24.4mg/ml, 50 mM)
Storage	Store at 0-4 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	Off-white to White Powder
<b>Quality Control</b>	<sup>1</sup> H-NMR: [✓] MS: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C <sub>20</sub> H <sub>19</sub> F <sub>5</sub> N <sub>8</sub> O · 0.3H <sub>2</sub> O Calculated: C: 49.24% H: 4.05% N: 22.97% Found: C: 49.04% H: 3.88% N: 22.66%
<b>Chemical Purity</b>	99% (HPLC)
<b>Optical Purity (e.e)</b>	99% (Chiral HPLC)