

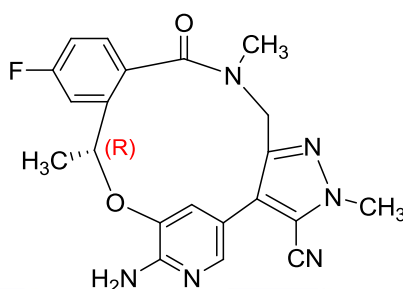


Northeast Business Center

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## Certificate of Analysis



<b>Product Name:</b>	<b>PF-06463922</b>
<b>Synonym:</b>	Lorlatinib
<b>CAS No:</b>	1454846-35-5
<b>Prod. No:</b>	CT-PF0646
<b>Lot No:</b>	02
<b>Batch Empirical Formula</b> <b>Batch Empirical. Wt.</b>	C <sub>21</sub> H <sub>19</sub> FN <sub>6</sub> O <sub>2</sub> · 0.7 H <sub>2</sub> O 419.0
<b>Solubility</b>	Soluble in DMSO
<b>Storage</b>	Store at 0 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	Snow-white Solid/powder (Recrystallized)
<b>Quality Control</b>	MS: [✓] <sup>1</sup> HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C <sub>31</sub> H <sub>29</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub> · 0.7 H <sub>2</sub> O Calculated: C: 60.19%; H: 4.91%; N: 20.06% Found: C: 60.07%; H: 4.95%; N: 20.16%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -106° (c 0.58, MeOH)
<b>Chemical Purity</b>	>99% (HPLC at 214 nm) >99% (HPLC at 254 nm)
<b>Optical Purity (ee)</b>	100% (Chiral HPLC)