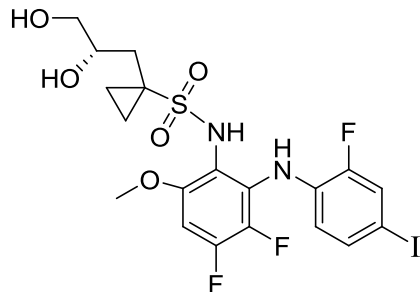


## Certificate of Analysis



<b>Product Name:</b>	<b>RDEA119</b>
<b>Synonym:</b>	Refametinib, BAY86-9766
<b>CAS No:</b>	923032-37-5
<b>Prod. No:</b>	CT-R119
<b>Lot No:</b>	04
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>20</sub> F <sub>3</sub> IN <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	572.33
<b>Solubility</b>	Soluble in DMSO
<b>Storage</b>	Store at 0 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	Off-white Crystalline Solid
<b>Quality Control</b>	<sup>1</sup> HNMR [✓] HPLC [✓] MS [✓] Chiral HPLC [✓] Quantitative Elemental Analysis [✓]: C <sub>19</sub> H <sub>20</sub> F <sub>3</sub> IN <sub>2</sub> O <sub>5</sub> S Calculated: C: 39.87%    H: 3.52%    N: 4.89% Found: C: 39.80%    H: 3.50 %    N: 4.81%
<b>Loss on Drying</b>	<0.2%
<b>Chemical Purity</b>	>99% (HPLC at 220 nm)
<b>Optical Purity</b>	>99% (Chiral HPLC, referenced to opposite enantiomer )