

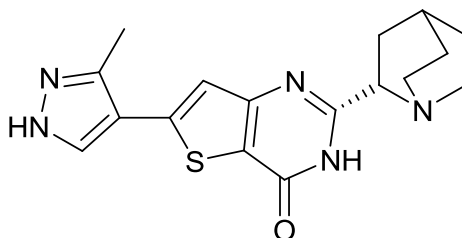


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## Certificate of Analysis



|  |   |
|--|---|
| <b>Product Name:</b>   | <b>TAK-931 (Simurosertib)</b>   |
| <b>CAS No:</b>   | 1330782-76-7  |
| <b>Prod. No:</b>   | CT-TAK931   |
| <b>Lot No:</b>   | 01  |
| <b>Batch Empirical Formula</b><br><b>Batch Empirical Wt.</b> | C <sub>17</sub> H <sub>19</sub> N <sub>5</sub> OS · H <sub>2</sub> O<br>359.5 |
| <b>Solubility</b>  | Soluble in DMSO (36.0mg/ml, 100mM)  |
| <b>Storage</b>   | Store at 0 °C (short term), -20 °C (long term), desiccated                    |

|                            |  |
|----------------------------|--|
| <b>Appearance</b>          | Milk-white to pale yellow crystalline Solid/Powder   |
| <b>Quality Control</b>     | <sup>1</sup> HNMR: [✓]<br>HPLC: [✓]<br>Chiral HPLC: [✓]<br><br><b>Quantitative Elemental Analysis: [✓] C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>OS · H<sub>2</sub>O</b><br>Calculated: C: 56.80%; H: 5.89%; N: 19.48%<br>Found: C: 57.66%; H: 5.90%; N: 19.15% |
| <b>Chemical Purity</b>     | >99.5% (HPLC at 214 and 254 nm)  |
| <b>Optical Purity (ee)</b> | >99.5% (Chiral HPLC)   |