

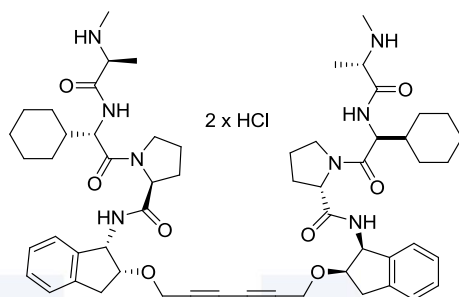


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## Certificate of Analysis



|   |   |
|---|---|
| <b>Product Name:</b>  | <b>AZD5582 (Dihydrochloride)</b>                                    |
| <b>Synonym:</b>   | NA  |
| <b>CAS No:</b>  | 1258392-53-8  |
| <b>Prod. No:</b>  | CT-A5582  |
| <b>Lot No:</b>  | 01  |
| <b>Batch Empirical Formula</b><br><b>Batch Empirical Weight</b> | $C_{58}H_{78}N_8O_8 \cdot 2HCl \cdot 2.5H_2O$<br>1133.3             |
| <b>Solubility</b>   | Soluble in<br>DMSO (113.3mg/ml, 100 mM)<br>Water (56.7mg/ml, 50 mM) |
| <b>Storage</b>  | Store at 0 °C (short term), -20 °C (long term), desiccated          |

|                        |   |
|------------------------|---|
| <b>Appearance</b>      | White to off-white powder   |
| <b>Quality Control</b> | MS: [✓]<br>$^1H$ NMR: [✓]<br>HPLC: [✓]<br><b>Quantitative Elemental Analysis: [✓] <math>C_{58}H_{78}N_8O_8 \cdot 2HCl \cdot 2.5H_2O</math></b><br>Calculated: C: 61.47% H: 7.56% N: 9.89%<br>Found: C: 61.21% H: 7.57% N: 9.80% |
| <b>Loss on Drying</b>  | < 0.2%  |
| <b>Chemical Purity</b> | 99% (HPLC)  |