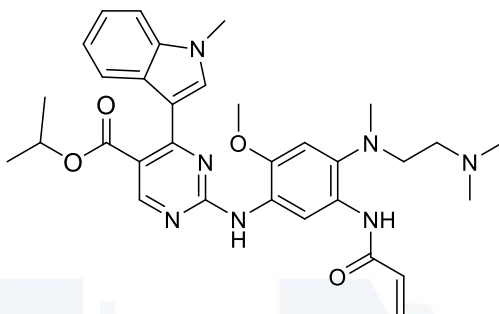


**Northeast Business Center**

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Certificate of Analysis



| | |
|--|--|
| Product Name: | TAK-788 |
| Synonym: | Mobocertinib, AP32788 |
| CAS No: | 1847461-43-1 |
| Prod. No: | CT-TAK788 |
| Lot No: | 01 |
| Batch Empirical Formula Batch Empirical Wt. | C ₃₂ H ₃₉ N ₇ O ₄ 585.7 |
| Solubility | Soluble in DMSO (>58.6mg/mL, >100mM), Ethanol (>46.9mg/ml, >80 mM). |
| Storage | Store at 0-4 °C (short term), -20 °C (long term), desiccated |

| | |
|------------------------|---|
| Appearance | Pale-yellow powder |
| Quality Control | MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] C₃₂H₃₉N₇O₄ Calculated: C: 65.62%; H: 6.71%; N: 16.74% Found: C: 65.35%; H: 6.74%; N: 16.54% |
| Chemical Purity | >99% (HPLC) |