

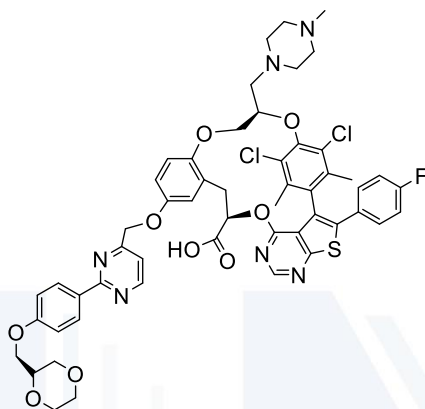


Northeast Business Center

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Certificate of Analysis



Product Name:	ABBV-467
Synonym:	ABBV467
Cas No:	2287186-66-5
Prod. No:	CT-ABBV467
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₅₃ H ₅₁ Cl ₂ FN ₆ O ₉ S·4H ₂ O 1110.0
Solubility	Soluble in DMSO (>55.5mg/ml, >50 mM)
Storage	Store at 0-4 °C (short term), -20 °C (long term), desiccated

Appearance	Off-white to White Powder
Quality Control	¹ H-NMR: [√] MS: [√] Achiral HPLC: [√] Chiral HPLC: [√] Quantitative Elemental Analysis: [√] C ₅₃ H ₅₁ Cl ₂ FN ₆ O ₉ S·4H ₂ O Calculated: C: 57.35% H: 5.36% N: 7.57% Found: C: 56.93% H: 5.17% N: 7.55%
Chemical Purity	99% (Achiral HPLC)
Optical Purity (e.e, d.e)	99% (Chiral HPLC)