

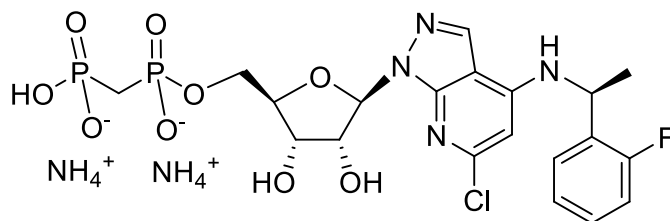


Northeast Business Center

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Certificate of Analysis



Product Name:	AB-680 (Diammonium)
Synonym:	NA
CAS No:	2105904-82-1
Prod. No:	CT-AB680
Lot No:	02
Batch Empirical Formula Batch Empirical Wt.	C ₂₀ H ₂₄ ClFN ₄ O ₉ P ₂ ·2NH ₃ ·H ₂ O 632.9
Solubility	Soluble in DMSO (63.3mg/ml, 100 mM) in Water (31.7mg/ml, 50 mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	White powder
Quality Control	MS: [√] ¹ HNMR: [√] Achiral HPLC: [√] Chiral HPLC: [√] Quantitative Elemental Analysis: [√] C ₂₀ H ₂₄ ClFN ₄ O ₉ P ₂ ·2NH ₃ ·H ₂ O Calculated: C: 37.95%; H: 5.10%; N: 13.28% Found: C: 38.44%; H: 5.21%; N: 12.97%
Chemical Purity	>99% (Achiral HPLC)
Optical Purity (e.e)	>99% (Chiral HPLC)