

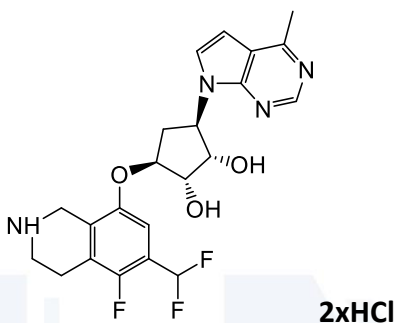


Northeast Business Center

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Certificate of Analysis



Product Name:	PF-06939999 Dihydrochloride
Synonym:	NA
CAS No:	2159123-14-3
Prod. No:	CT-PF0693
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₂₂ H ₂₃ F ₃ N ₄ O ₃ ·2HCl·1.5H ₂ O 548.4
Solubility	Soluble in Water (19.2mg/ml, 35 mM)
Storage	Store at 0-4 °C (short term), -20 °C (long term), desiccated

Appearance	White to Off-white powder
Quality Control	MS: [✓] 1H-NMR: [✓] COSY-NMR: [✓] NOESY-NMR: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₂₂ H ₂₃ F ₃ N ₄ O ₃ ·2HCl·1.5H ₂ O Calculated: C: 48.18%; H: 5.15%; N: 10.22%; Cl: 12.93% Found: C: 48.43%; H: 5.24%; N: 10.29%; Cl: 12.89%
Chemical Purity	99% (Achiral HPLC)
Optical Purity (e.e, d.e)	99% (Chiral HPLC)