

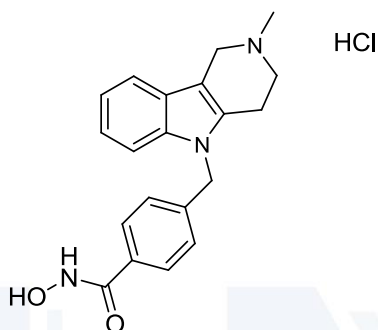


Northeast Business Center

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Certificate of Analysis



Product Name:	Tubastatin A (HCl salt)
Synonym:	NA
CAS No:	1239262-52-2
Prod. No:	CT-TUBA
Lot No:	001
Batch Empirical Formula	C ₂₀ H ₂₁ N ₃ O ₂ ·HCl·0.4H ₂ O
Batch Empirical Wt.	379.1
Solubility	Soluble in DMSO (>37.9mg/ml, >100 mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	Off-white fine powder
Quality Control	MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₂₀ H ₂₁ N ₃ O ₂ ·HCl·0.4H ₂ O Calculated: C: 63.37%; H: 6.06%; N: 11.09% Found: C: 63.26%; H: 5.99%; N: 10.95%
Loss on Drying	< 0.2%
Chemical Purity	>99% (HPLC at 215 and 254 nm)