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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Tubastatin A hydrochloride

Catalog #: 27108

Lot #: 120327

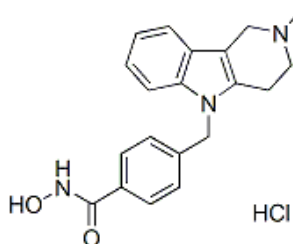
Size: 10 mg

Structure:

CAS Registry #: 1310693-92-5

Purity: -

Chemical Formula: C₂₀H₂₁N₃O₂•HCl



Molecular Weight: 371.86

Description: Tubastatin A is a potent HDAC6 inhibitor. It demonstrates over 1,000-fold selectivity against all other HDAC isoforms (IC₅₀ >16 μM), excluding HDAC8 (IC₅₀ = 0.9 μM). Tubastatin A induces α-tubulin hyperacetylation at 2.5 μM in primary cortical neuron cultures. In a model of oxidative stress induced by glutathione depletion, it displays dose-dependent neuronal protection of primary cortical neuron cultures at 5-10 μM.

Appearance: White to off-white crystalline solid

Solubility: Solubility in DMSO is ≥ 8 mg/mL, and in water and ethanol is < 1 mg/mL.

Biological Activity: Inhibits HDAC6 with IC₅₀ = 15 nM and HDAC1 with IC₅₀ = 16.4 μM.

Storage/Stability: Store at or below -20 °C.

Quality Control: The purity was determined by HPLC analysis.

Reference: Butler, K.V., *et. al. J Am Chem Soc.* 2010; **132(31)**: 10842-6.