

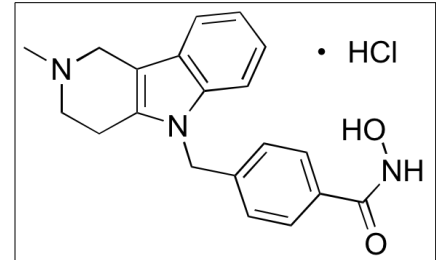


LKT Laboratories, Inc.

Tubastatin A Hydrochloride

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Product Information



Bulk quantities available upon request

Product ID	Size
T8006	1 mg
T8006	5 mg
T8006	10 mg

Product ID T8006
CAS No. 1310693-92-5
Chemical Name

Synonym Tubastatin A HCl

Formula $C_{20}H_{21}N_3O_2 \cdot HCl$
Formula Wt. 371.86
Melting Point
Purity $\geq 98\%$
Solubility DMSO 67 mg/mL (199.76 mM)
Water Insoluble
Ethanol Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Tubastatin A is an inhibitor of class IIb histone deacetylases (HDACs), such as HDAC6 and HDAC10. Tubastatin A exhibits cardioprotective and anticancer chemotherapeutic activities. In vivo, tubastatin A decreases levels of α -tubulin and protects against atrial fibrillation-related atrial remodeling. Additionally, tubastatin A restores expression of primary cilia and decreases cell proliferation and growth in cholangiocarcinoma cells; in similar animal models, this compound inhibits tumor growth.

References Zhang D, Wu CT, Qi X, et al. Activation of histone deacetylase-6 induces contractile dysfunction through derailment of α -tubulin proteostasis in experimental and human atrial fibrillation. *Circulation*. 2014 Jan 21;129(3):346-58. PMID: 24146251.

Gradilone SA, Radtke BN, Bogert PS, et al. HDAC6 inhibition restores ciliary expression and decreases tumor growth. *Cancer Res*. 2013 Apr 1;73(7):2259-70. PMID: 23370327.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.