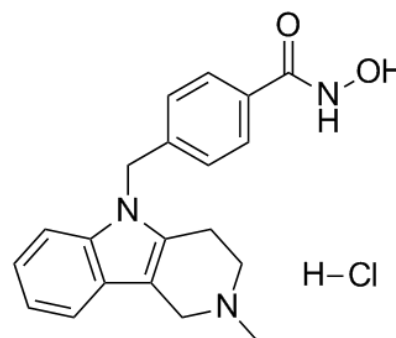


Product Name : Tubastatin A hydrochloride
Cat. No. : PC-43450
CAS No. : 1310693-92-5
Molecular Formula : C₂₀H₂₂ClN₃O₂
Molecular Weight :
Target : HDAC
Solubility : DMSO: 10.8 mg/mL



Biological Activity

Tubastatin A hydrochloride is a potent and selective **HDAC6** inhibitor with IC₅₀ of 15 nM in cell-free assays. Tubastatin A displays 57-fold selectivity over HDAC8 and >1,000-fold selective against other HDAC isoforms. Tubastatin A induces an increase in acetylated- α -tubulin levels and the restoration of primary cilia expression in the cholangiocarcinoma cell lines at 10 μ M, shows significant inhibition of TNF- α and IL-6 in LPS stimulated human THP-1 macrophages with IC₅₀ of 272 nM and 712 nM. Tubastatin A reduces the growth of cholangiocarcinoma in vivo.

References

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Gradilone SA, et al. Cancer Res. 2013 Apr 1;73(7):2259-70.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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