

## Tubastatin A HCl, HDAC6 inhibitor

Catalog	Unit
TBI4530-5MG	5 mg
TBI4530-25MG	25 mg

### Product Details

**Formal Name:** N-Hydroxy-4-[(2-methyl-3,4-dihydro-1H-pyrido[4,3-b]indol-5-yl)methyl]benzamide hydrochloride

**Molecular Formula:** C<sub>20</sub>H<sub>22</sub>N<sub>3</sub>O<sub>2</sub> · HCl

**Formula Weight:** 371.86

**CAS Number:** 1310693-92-5

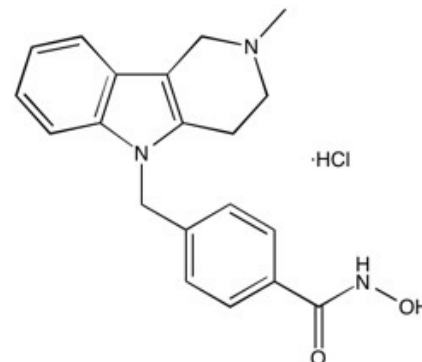
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

HDAC6 inhibitor

### Functions

Potent and selective histone deacetylase 6 (HDAC6) inhibitor, IC<sub>50</sub>=15 nM (>1000-fold selective against other HDACs and 60-fold for HDAC8). Inhibits TNF- $\alpha$  (IC<sub>50</sub>=272 nM) and IL-6 (IC<sub>50</sub>=712 nM) in LPS-stimulated human macrophages and displays anti-inflammatory activity in animal models. Improves survival in animal models of sepsis. Improves cognition in Alzheimers disease transgenic mice. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 3 months.

**For research use only.**