

Tubastatin A hydrochloride

Cat. No. CEI-0994

Lot. No. (See product label)

Introduction

Description

Tubastatin A is a potent HDAC6 inhibitor. It demonstrates over 1,000-fold selectivity against all other HDAC isoforms ($IC_{50} > 16 \mu M$), excluding HDAC8 ($IC_{50} = 0.9 \mu M$). Tubastatin A induces α -tubulin hyperacetylation at $2.5 \mu M$ 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 - $10 \mu M$.

Synonyms

JM21, HD6

Product Information

Appearance

White to off-white crystalline solid.

CAS No.

1310693-92-5

Molecular Formula

$C_{20}H_{21}N_3O_2 \cdot HCl$

Molecular Weight

371.86

Targets

HDAC6

IC_{50}

15 nM

Storage and Shipping Information

Storage

Store at or below -20 centigrade.