

## Tubastatin A

Cat. No. CEI-0514

Lot. No. (See product label)

### Introduction

#### Description

Cell-permeable. A potent and selective HDAC6 (histone deacetylase 6) inhibitor. Displays 1093-fold selectivity over HDAC1 (IC50 values of 15 nM for HDAC6 vs 16.4  $\mu$ M for HDAC1). Tubastatin A was substantially more selective than the known HDAC6 inhibitor Tubacin at all isozymes except HDAC8. In addition, it displayed over 1000-fold selectivity against all HDAC isoforms excluding HDAC8, where it displayed 54-fold selectivity. Tubastatin A displayed dose-dependent protection against HCA (homocysteic acid)-induced neuronal cell death starting at 5  $\mu$ M with near complete protection at 10  $\mu$ M.

### Product Information

<b>Appearance</b>	Liquid
<b>CAS No.</b>	1239262-52-2
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub> .HCl
<b>Chemical Name</b>	n-Hydroxy-4-((2-methyl-3,4-dihydro-1H-pyrido[4,3-b]indol-5(2H)-yl)methyl)benzamide
<b>Molecular Weight</b>	263.26
<b>Purity</b>	>99% by HPLC
<b>Targets</b>	HDAC6

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack