

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 μ 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 μ M with near complete protection at 10 μ M.

Product Information

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

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack