

# Tubastatin A HCl

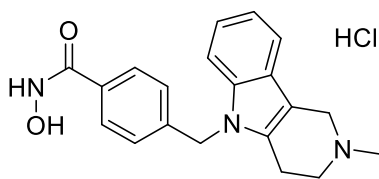
SYN-3042

N-hydroxy-4-((2-methyl-1,2,3,4-tetrahydro-5H-pyrido[4,3-b]indol-5-yl)methyl)benzamide hydrochloride

CAS Registry No.: 1310693-92-5

Smiles String:

CN(C1)CCC2=C1C3=CC=CC=C3N2CC4=CC=C(C(NO)=O)C=C4.Cl



Molecular Weight: 371.87

Molecular Formula: C<sub>20</sub>H<sub>22</sub>ClN<sub>3</sub>O<sub>2</sub>

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

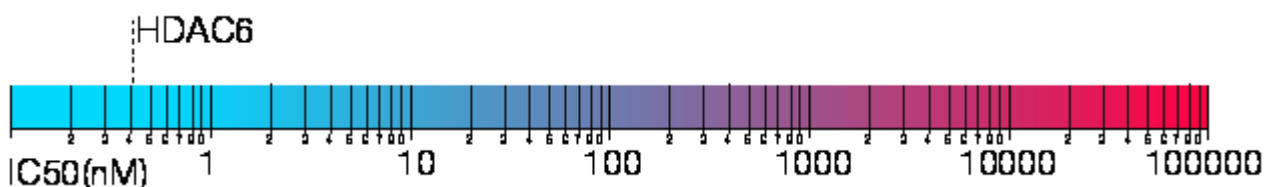
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

## Description:

Tubastatin A is a potent and selective HDAC6 inhibitor with an IC<sub>50</sub> of 4 nM. It has a 100 to 1000-fold selectivity for HDAC6 over other HDAC classes.

## Biological Activity



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## Shipping and Storage Temperature

Shipping:

Ambient

Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

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## Solubility

Soluble in DMSO

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## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3719	3.7187	7.4374	18.5935

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## References

1. d'Ydewalle C, Krishnan J, Chiheb DM, Van Damme P, Irobi J, Kozikowski AP, Vanden Berghe P, Timmerman V, Robberecht W, Van Den Bosch L. HDAC6 inhibitors reverse axonal loss in a mouse model of mutant HSPB1-induced Charcot-Marie-Tooth disease. Nat Med. 2011 Jul 24;17(8):968-74. doi: 10.1038/nm.2396. PubMed PMID: 21785432.

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## Ordering Information

To order more of this or any other SYNkinase compound, go to [synkinase.com](http://synkinase.com), Call us Toll Free (US Only) at 1- 877-854-6273 or email [orders@synkinase.com](mailto:orders@synkinase.com).

Product Datasheet (Rev. 1.1)