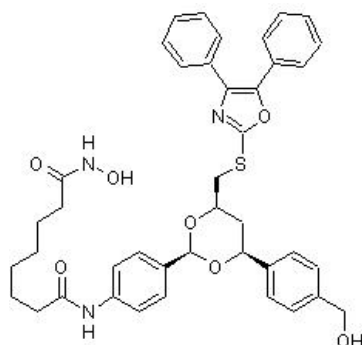


Product datasheet

Tubacin, HDAC6 inhibitor ab142183

Overview

Product name	Tubacin, HDAC6 inhibitor
Description	Potent and selective HDAC6 inhibitor
Biological description	Potent and selective HDAC6 inhibitor (IC ₅₀ = 4 nM). Inhibits second deacetylase domain (DD2). Reversibly inhibits α-tubulin deacetylation. Induces expression of the transcription factor DDIT3 (CHOP/GADD153). Inhibits migration of wild-type and HCAC6 overexpressing cells. Inhibits replication of Japanese Encephalitis Virus via a reduction in viral RNA synthesis.
Purity	> 98%
CAS Number	537049-40-4
Chemical structure	



Properties

Chemical name	<i>N</i> -[4-[(2 <i>R</i> ,4 <i>R</i> ,6 <i>S</i>)-4-[(4,5-Diphenyl-1,3-oxazol-2-yl)sulfanylmethyl]-6-[4-(hydroxymethyl)phenyl]-1,3-dioxan-2-yl]phenyl]- <i>N'</i> -hydroxyoctanediamide
Molecular weight	721.86
Molecular formula	C ₄₁ H ₄₃ N ₃ O ₇ S
PubChem identifier	6675804
Storage instructions	Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 10 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

C1C(OC(OC1C2=CC=C(C=C2)CO)C3=CC=C(C=C3)NC(=O)CCCCCCC(=O)NO)CSC4=NC(=C(O4)C5=CC=CC=C5)C6=CC=CC=C6

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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