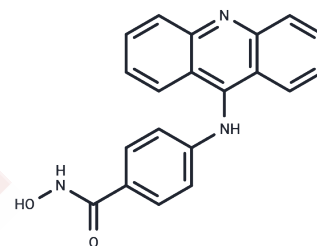


HDAC6-IN-6

Chemical Properties

CAS No. :	2413603-10-6
Formula:	C ₂₀ H ₁₅ N ₃ O ₂
Molecular Weight:	329.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	HDAC6-IN-6 (compound 6a) is a potent HDAC6 inhibitor with an IC ₅₀ value of 0.025 μM that can penetrate the BBB. It exhibits strong inhibitory activity against AChE and Aβ 1-42 self-aggregation with IC ₅₀ values of 0.72 and 3.0 μM, respectively. HDAC6-IN-6 also enhances neurite outgrowth without significant neurotoxicity [1].
Targets(IC ₅₀)	Beta Amyloid,Others,HDAC,Cholinesterase (ChE)
In vitro	HDAC6-IN-6 (compound 6a) effectively induces dose-dependent acetylation of histone H3 and α-tubulin, with half-maximal effective concentrations (EC ₅₀) of 7.96 μM and 8 μM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0363 mL	15.1814 mL	30.3628 mL
5 mM	0.6073 mL	3.0363 mL	6.0726 mL
10 mM	0.3036 mL	1.5181 mL	3.0363 mL
50 mM	0.0607 mL	0.3036 mL	0.6073 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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