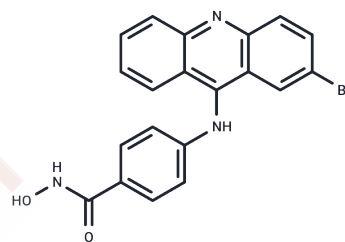


HDAC6-IN-5

Chemical Properties

CAS No. : 2413603-15-1
 Formula: C₂₀H₁₄BrN₃O₂
 Molecular Weight: 408.25
 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-5 (compound 11b) is a potent and BBB-penetrated inhibitor of HDAC6 (IC ₅₀ = 0.025 μM) that inhibits Aβ 1-42 self-aggregation and AChE with IC ₅₀ values of 3.0 and 0.72 μM, respectively. Additionally, HDAC6-IN-5 can enhance neurite outgrowth without significant neurotoxicity.
Targets(IC ₅₀)	Beta Amyloid,Others,HDAC,Cholinesterase (ChE)
In vitro	HDAC6-IN-5 (compound 11b) effectively promotes the acetylation of histone H3 and α-tubulin in a dose-dependent manner, with half-maximal effects (EC ₅₀ values) at 0.58 μM for histone H3 and 8 μM for α-tubulin, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4495 mL	12.2474 mL	24.4948 mL
5 mM	0.4899 mL	2.4495 mL	4.899 mL
10 mM	0.2449 mL	1.2247 mL	2.4495 mL
50 mM	0.049 mL	0.2449 mL	0.4899 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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