

HDAC6-IN-37

Chemical Properties

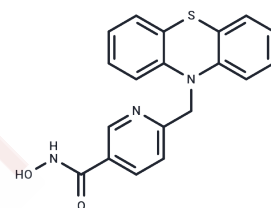
CAS No. : 2986486-82-0

Formula: C₁₉H₁₆ClN₃O₂S

Molecular Weight: 385.87

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



HCl

Biological Description

Description	HDAC6-IN-37 (compound W5), an HDAC6 inhibitor, exhibits neuroprotective properties. It effectively restores the morphology of hippocampal neurons and diminishes the expression of A β , Tau, and p-Tau proteins in the hippocampus of AD rats. Additionally, it prevents the formation of senile plaques and neurofibrillary tangles. Consequently, HDAC6-IN-37 ameliorates the symptoms in the A β /Cu ²⁺ -induced AD rat model, regulates oxidative stress, and restores balance to neurotransmitter levels in brain tissue [1].
Targets(IC50)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5915 mL	12.9577 mL	25.9155 mL
5 mM	0.5183 mL	2.5915 mL	5.1831 mL
10 mM	0.2592 mL	1.2958 mL	2.5915 mL
50 mM	0.0518 mL	0.2592 mL	0.5183 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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