

Butyrylhydroxamic acid

Chemical Properties

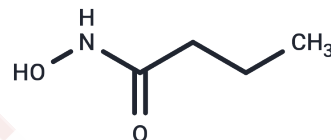
CAS No. : 4312-91-8

Formula: C₄H₉NO₂

Molecular Weight: 103.12

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	Butyrylhydroxamic acid (N-Hydroxybutanamide) is an effective histone deacetylase (HDAC) inhibitor. It enhances memory in rodent behavioral models and is utilized in the study of memory enhancers, mood stabilizers, and β -chain hemoglobin disorders.
Targets(IC50)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6974 mL	48.4872 mL	96.9744 mL
5 mM	1.9395 mL	9.6974 mL	19.3949 mL
10 mM	0.9697 mL	4.8487 mL	9.6974 mL
50 mM	0.1939 mL	0.9697 mL	1.9395 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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