Data Sheet (Cat.No.T71512)

TargetMol

NHNB

Chemical Properties

CAS No. : 106359-61-9

Formula: C17H13NO2

Molecular Weight: 263.29

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	NHNB is a selective HDAC8 inhibitor (IC50 = 66.0 μM) and Peptidoglycan N-acetylglucosamine (GlcNAc) deacetylases (PGNGdacs) inhibitor. NHNB shows antibacterial and bactericidal activity against B. anthracis and B. cereus. NHNB is therefore used in epigenetic enzyme and bacterial infection research systems to investigate HDAC8 inhibition, bacterial cell wall modification, and pathogen viability regulation in infectious disease models.
Targets(IC50)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7981 mL	18.9905 mL	37.9809 mL
5 mM	0.7596 mL	3.7981 mL	7.5962 mL
10 mM	0.3798 mL	1.899 mL	3.7981 mL
50 mM	0.076 mL	0.3798 mL	0.7596 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.

Reference

Balomenou S, Koutsioulis D, Tomatsidou A, Tzanodaskalaki M, Petratos K, Bouriotis V. Polysaccharide deacetylases serve as new targets for the design of inhibitors against Bacillus anthracis and Bacillus cereus. Bioorg Med Chem. 2018 Jul 30;26(13):3845-51. doi:10.1016/j.bmc.2018.06.045 PubMed PMID: 29983281.

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