

## HDAC-IN-47

## Chemical Properties

CAS No. :

Formula: C17H20BrN3O4

Molecular Weight: 410.26

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	HDAC-IN-47 is an orally active histone deacetylase (HDAC) inhibitor, with IC50 values of 19.75 nM, 57.8 nM, 40.27 nM, 5.63 nM, and 302.73 nM for HDAC1, HDAC2, HDAC3, HDAC6, and HDAC8, respectively. HDAC-IN-47 can block the cell cycle in the G2/M phase, inhibit autophagy, induce apoptosis via the Bax/Bcl-2 and caspase-3 pathways, and exhibits anti-cancer activity in vivo.
Targets(IC50)	Others,HDAC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4375 mL	12.1874 mL	24.3748 mL
5 mM	0.4875 mL	2.4375 mL	4.875 mL
10 mM	0.2437 mL	1.2187 mL	2.4375 mL
50 mM	0.0487 mL	0.2437 mL	0.4875 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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