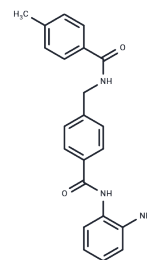


HDAC-IN-72

Chemical Properties

CAS No. :	763066-77-9
Formula:	C ₂₂ H ₂₁ N ₃ O ₂
Molecular Weight:	359.42
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-72 (compound 7j), a potent inhibitor of HDAC1 (IC ₅₀ = 0.65 ± 0.07 μM), HDAC2 (IC ₅₀ = 0.78 ± 0.02 μM), and HDAC3 (IC ₅₀ = 1.70 ± 0.1 μM), exhibits significant antiproliferative properties. This compound is employed in breast cancer research [1].
Targets(IC ₅₀)	HDAC
In vitro	HDAC-IN-72 (0.1-50 μM, 48 h) exhibits notable antiproliferative activity against the breast cancer cell lines MCF-7 (IC ₅₀ = 0.83 ± 1.41 μM) and T47D (IC ₅₀ = 1.4 ± 1.85 μM) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7823 mL	13.9113 mL	27.8226 mL
5 mM	0.5565 mL	2.7823 mL	5.5645 mL
10 mM	0.2782 mL	1.3911 mL	2.7823 mL
50 mM	0.0556 mL	0.2782 mL	0.5565 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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