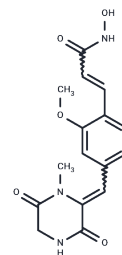


HDAC8-IN-12

Chemical Properties

CAS No. :	3028095-13-5
Formula:	C ₁₆ H ₁₇ N ₃ O ₅
Molecular Weight:	331.32
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	HDAC8-IN-12 (compound 5k), a non-hydroxamic acid derivative, serves as a selective HDAC8 inhibitor with an IC ₅₀ of 0.12 nM and demonstrates potent efficacy against breast cancer. This compound enhances anti-tumor immunity by activating T cells, elevating M1 macrophage levels, and reducing M2 macrophage proportions. In an orthotopic mouse model of breast cancer, HDAC8-IN-12, administered at 50 mg/kg, effectively suppresses tumor growth.
Targets(IC ₅₀)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0182 mL	15.0912 mL	30.1823 mL
5 mM	0.6036 mL	3.0182 mL	6.0365 mL
10 mM	0.3018 mL	1.5091 mL	3.0182 mL
50 mM	0.0604 mL	0.3018 mL	0.6036 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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