

HDAC6-IN-71

Chemical Properties

CAS No. :	3062867-16-4
Formula:	C ₁₈ H ₁₃ N ₅
Molecular Weight:	323.3
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	HDAC6-IN-71 (Compound 24) is an HDAC6 inhibitor with IC ₅₀ values of 13.68 nM for HDAC6 and 443.12 nM for HDAC1. It effectively suppresses NO production in mouse macrophages with an IC ₅₀ of 2.31 μM. By inhibiting the HDAC6-NF-κB signaling pathway, HDAC6-IN-71 reduces the phosphorylation levels of IκB-α and IKK-α/β, and inhibits the expression of downstream inflammatory proteins COX-2 and iNOS. Additionally, it significantly alleviates ulcerative colitis in mice.
Targets(IC ₅₀)	NF-κB,HDAC,NO Synthase,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0931 mL	15.4655 mL	30.931 mL
5 mM	0.6186 mL	3.0931 mL	6.1862 mL
10 mM	0.3093 mL	1.5466 mL	3.0931 mL
50 mM	0.0619 mL	0.3093 mL	0.6186 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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