

HDAC-IN-33

Chemical Properties

CAS No. :

Formula: C₂₁H₂₅N₃O₃

Molecular Weight: 367.44

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-33 is a highly potent HDAC inhibitor, effectively inhibiting HDAC1, HDAC2, and HDAC6 with IC ₅₀ values of 24, 46, and 47 nM, respectively. This compound demonstrates significant antiproliferation activity against tumor cells and exhibits remarkable in vivo antitumor efficacy. Additionally, HDAC-IN-33 initiates the activation of antitumor immunity [1].
Targets(IC ₅₀)	Others,HDAC
In vitro	HDAC-IN-33 (Compound 9l) exhibits strong antitumor effects in vivo within both the HEL xenograft and murine melanoma models. It enhances antigen presentation and activates T cells, effectively initiating antitumor immunity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7215 mL	13.6077 mL	27.2153 mL
5 mM	0.5443 mL	2.7215 mL	5.4431 mL
10 mM	0.2722 mL	1.3608 mL	2.7215 mL
50 mM	0.0544 mL	0.2722 mL	0.5443 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481