

SIRT6-IN-4

Chemical Properties

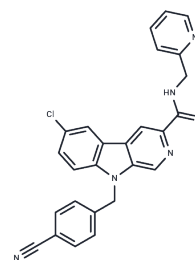
CAS No. :

Formula: C₂₆H₁₈ClN₅O

Molecular Weight: 451.907

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	SIRT6-IN-4 (Compound 10d) is a selective inhibitor of SIRT6 with an IC ₅₀ of 5.68 μM. It inhibits the proliferation of MCF-7 cells, with an IC ₅₀ of 8.30 μM, and causes cell cycle arrest at the G ₂ /M phase. Additionally, SIRT6-IN-4 impedes cell migration and invasion of MCF-7 and induces apoptosis. In mouse models, this compound exhibits antitumor activity.
Targets(IC ₅₀)	Apoptosis,Sirtuin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2128 mL	11.0641 mL	22.1283 mL
5 mM	0.4426 mL	2.2128 mL	4.4257 mL
10 mM	0.2213 mL	1.1064 mL	2.2128 mL
50 mM	0.0443 mL	0.2213 mL	0.4426 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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