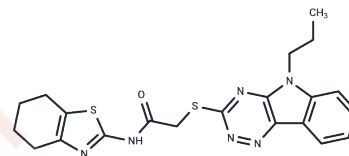


SIRT2-IN-9

Chemical Properties

CAS No. :	522650-91-5
Formula:	C ₂₁ H ₂₂ N ₆ O ₂ S
Molecular Weight:	438.57
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	SIRT2-IN-9 is a selective SIRT2 inhibitor with an IC ₅₀ value of 1.3 μM. SIRT2-IN-9 inhibits the proliferation of MCF-7 breast cancer cells. SIRT2-IN-9 can be used for cancer research.
Targets(IC ₅₀)	Sirtuin
In vitro	SIRT2-IN-9 (1-100 μM; 15 min) dose-dependently inhibits SIRT2 (IC ₅₀ =1.3 μM) while also inhibiting SIRT1 and SIRT3 (IC ₅₀ s >300 μM).[1] Additionally, SIRT2-IN-9 (0-50 μM; 72 h) affects the cell viability and dose-dependently inhibits the proliferation of MCF-7 breast cancer cells.[1] SIRT2-IN-9 (0-50 μM; 6 h) also impacts the acetylation of α-tubulin protein.[1]

Solubility Information

Solubility	DMSO: 4 mg/mL (9.12 mM), Sonication and heating to 70°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2801 mL	11.4007 mL	22.8014 mL
5 mM	0.456 mL	2.2801 mL	4.5603 mL
10 mM	0.228 mL	1.1401 mL	2.2801 mL
50 mM	0.0456 mL	0.228 mL	0.456 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.

Reference

Yang SY, et al. The purposes of 5H- [1,2,4] triazine [5,6-b] indole derivatives of 3 substitutions. CN108309982A. 2017.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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