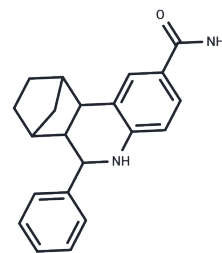


SIRT2-IN-11

Chemical Properties

CAS No. :	1005095-06-6
Formula:	C ₂₁ H ₂₂ N ₂ O
Molecular Weight:	318.41
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	SIRT2-IN-11 is a potent and selective SIRT2 inhibitor (IC ₅₀ = 12 nM). It increases tubulin acetylation without affecting SIRT1/3, used for studying SIRT2 function in cancer and neuroprotection.
Targets(IC ₅₀)	Sirtuin
In vitro	SIRT2-IN-11 (20 μM) significantly increases p53 acetylation levels and upregulates pro-apoptotic genes in NSCLC cells [1].

Solubility Information

Solubility	DMSO: 200 mg/mL (628.12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1406 mL	15.703 mL	31.406 mL
5 mM	0.6281 mL	3.1406 mL	6.2812 mL
10 mM	0.3141 mL	1.5703 mL	3.1406 mL
50 mM	0.0628 mL	0.3141 mL	0.6281 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

Auld DS, et al. A basis for reduced chemical library inhibition of firefly luciferase obtained from directed evolution. J Med Chem. 2009 Mar 12;52(5):1450-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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