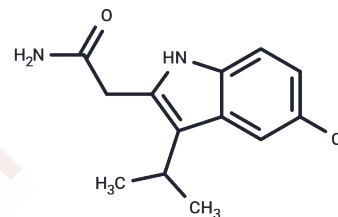


SIRT1-IN-2

Chemical Properties

CAS No. :	2470969-89-0
Formula:	C ₁₃ H ₁₅ ClN ₂ O
Molecular Weight:	250.72
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	SIRT1-IN-2 (compound 3h) is a potent and selective inhibitor of SIRT1 (silent information regulator 1) with an IC ₅₀ of 1.6 μM [1].
Targets(IC ₅₀)	Others,Sirtuin
In vitro	SIRT1-IN-2 (compound 3h), administered at 0-100 μM over 48 hours, effectively inhibits the proliferation of cancer cell lines K562, HCT-116, HepG2, A549, and MCF-7 with IC ₅₀ values of 51, 37, 40, 48, and 48 μM, respectively, while demonstrating significantly reduced cytotoxicity towards normal 293T cells (IC ₅₀ >100 μM) and HUVEC (IC ₅₀ = 45 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9885 mL	19.9426 mL	39.8851 mL
5 mM	0.7977 mL	3.9885 mL	7.977 mL
10 mM	0.3989 mL	1.9943 mL	3.9885 mL
50 mM	0.0798 mL	0.3989 mL	0.7977 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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