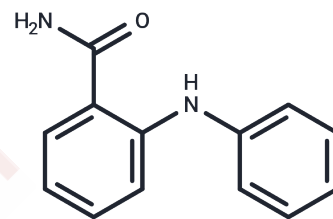


SIRT-IN-3

Chemical Properties

CAS No. :	1211-19-4
Formula:	C ₁₃ H ₁₂ N ₂ O
Molecular Weight:	212.25
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	SIRT-IN-3, a potent inhibitor of SIRT1 with an IC ₅₀ value of 17 μM, exhibits approximate 4-fold and 14-fold greater selectivity for SIRT1 over SIRT2 and SIRT3, with respective IC ₅₀ values of 74 μM for SIRT2 and 235 μM for SIRT3 [1].
Targets(IC ₅₀)	Others,Sirtuin
In vitro	SIRT-IN-3 (Compound 7) (30-300 μM; 8 hours) induces p53 acetylation in HCT116 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7114 mL	23.5571 mL	47.1143 mL
5 mM	0.9423 mL	4.7114 mL	9.4229 mL
10 mM	0.4711 mL	2.3557 mL	4.7114 mL
50 mM	0.0942 mL	0.4711 mL	0.9423 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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