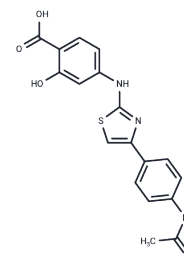


SIRT5 inhibitor 4

Chemical Properties

CAS No. :	708992-34-1
Formula:	C ₁₈ H ₁₅ N ₃ O ₄ S
Molecular Weight:	369.39
Storage:	Store at low temperature 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	SIRT5 inhibitor 4 (compound 11) is a dose-dependent and selective SIRT5 (Sirtuin5) inhibitor with an IC ₅₀ value of 26.4 μM for SIRT5 and no inhibitory effect on SIRT1/2/3 isoforms at 400 μM, with anticancer potential.
Targets(IC ₅₀)	Sirtuin
In vitro	SIRT5 inhibitor 4 was identified as a selective SIRT5 inhibitor (IC ₅₀ = 26.4 ± 0.8 μM) with no inhibition on SIRT1-3[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7072 mL	13.5358 mL	27.0717 mL
5 mM	0.5414 mL	2.7072 mL	5.4143 mL
10 mM	0.2707 mL	1.3536 mL	2.7072 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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

Liu Y, Debnath B, Kumar S, Lombard DB, Neamati N. Identification of 2-hydroxybenzoic acid derivatives as selective SIRT5 inhibitors. Eur J Med Chem. 2022 Nov 5;241:114623.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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