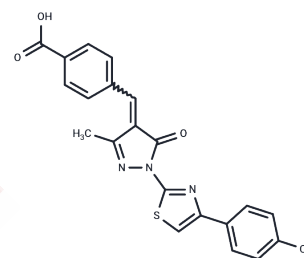


SIRT5 inhibitor 5

Chemical Properties

CAS No. :	2883730-60-5
Formula:	C ₂₁ H ₁₄ ClN ₃ O ₃ S
Molecular Weight:	423.87
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 5 is a selective and substrate-competitive SIRT5 inhibitor with an IC ₅₀ of 210 nM, which does not occupy the NAD ⁺ binding pocket and can be used to study cancer and metabolism-related diseases.
Targets(IC ₅₀)	Sirtuin
In vitro	SIRT5 inhibitor 5(0-10 μM) exhibits consistent inhibitory activity across varying concentrations of NAD ⁺ (50, 100, 200, 400, 800 μM) and shows reduced inhibitory potency with increasing concentrations of Ac-K(Suc)-AMC (10, 30, 90, 270 μM) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3592 mL	11.7961 mL	23.5921 mL
5 mM	0.4718 mL	2.3592 mL	4.7184 mL
10 mM	0.2359 mL	1.1796 mL	2.3592 mL
50 mM	0.0472 mL	0.2359 mL	0.4718 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

Yao J, et al. Pyrazolone derivatives as potent and selective small-molecule SIRT5 inhibitors. Eur J Med Chem. 2022 Dec 16;247:115024.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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