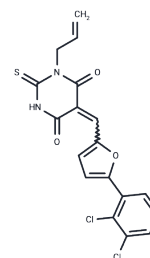


## SIRT5 inhibitor 2

## Chemical Properties

CAS No. :	340306-87-8
Formula:	C <sub>18</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	407.27
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 2 (compound 49) is a potent SIRT5 inhibitor with IC <sub>50</sub> =2.3 μM that has inhibitory activity through SIRT5-dependent deacetylation and can be used to study cancer and neurodegenerative diseases.
Targets(IC <sub>50</sub> )	Sirtuin
In vitro	SIRT5 inhibitor 2 (compound 49) is a selective inhibitor of SIRT5, showing an IC <sub>50</sub> of 2.3 μM. SIRT5 inhibitor 2 effectively blocks SIRT5-mediated desuccinylation and is applicable in studies related to cancer and neurodegenerative disorders [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4554 mL	12.2769 mL	24.5537 mL
5 mM	0.4911 mL	2.4554 mL	4.9107 mL
10 mM	0.2455 mL	1.2277 mL	2.4554 mL
50 mM	0.0491 mL	0.2455 mL	0.4911 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

Wang Y, Chen H, Zha X. Overview of SIRT5 as a potential therapeutic target: Structure, function and inhibitors. Eur J Med Chem. 2022 Jun 5;236:114363.

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