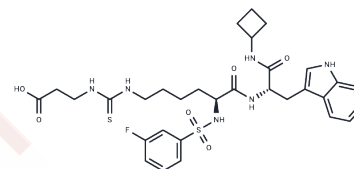


## SIRT5 inhibitor 1

### Chemical Properties

CAS No. :	2166487-21-2
Formula:	C31H39FN6O6S2
Molecular Weight:	674.81
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	SIRT5 inhibitor 1 is a potent and selective inhibitor of human Sirtuin 5 deacetylase (IC <sub>50</sub> : 0.11 $\mu$ M) and is associated with aging-related diseases.
Targets(IC <sub>50</sub> )	Sirtuin
In vitro	SIRT5 inhibitor 1 is a very potent inhibitor of human sirtuin 5 deacetylase(IC <sub>50</sub> of 0.11 $\mu$ M, >100-fold from compound.[1]

### Solubility Information

Solubility	DMSO: 112.5 mg/mL (166.7 mM ),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4819 mL	7.4095 mL	14.819 mL
5 mM	0.2964 mL	1.4819 mL	2.9638 mL
10 mM	0.1482 mL	0.7409 mL	1.4819 mL
50 mM	0.0296 mL	0.1482 mL	0.2964 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.

### Reference

Rajabi N, et al. Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacetylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. Angew Chem Int Ed Engl. 2017 ; 56(47):14836-14841.

Molinari F, et al. SIRT5 Inhibition Induces Brown Fat-Like Phenotype in 3T3-L1 Preadipocytes. Cells. 2021 ; 10(5): 1126.

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