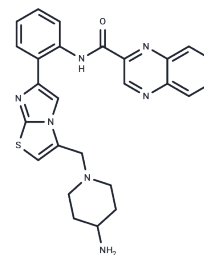


## Sirtuin modulator 8

## Chemical Properties

CAS No. :	925437-38-3
Formula:	C <sub>26</sub> H <sub>25</sub> N <sub>7</sub> O <sub>5</sub>
Molecular Weight:	483.588
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	Sirtuinmodulator 8 is a modulator of silent information regulator proteins (sirtuins) that activates their activity. It significantly reduces the expression of monocyte chemoattractant protein-1 (MCP-1) while enhancing the expression of fibroblast growth factor 21 (FGF21). Sirtuinmodulator 8 regulates the expression of genes related to inflammation and metabolism, showing potential for research into metabolic diseases [such as diabetes and obesity] and inflammatory diseases.
Targets(IC50)	Sirtuin
In vitro	Sirtuin modulator 8 (Compound 2) (2 μM) significantly reduces MCP-1 expression in a human white blood cell (WBC) model, indicating its potential to inhibit inflammatory responses.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0679 mL	10.3393 mL	20.6787 mL
5 mM	0.4136 mL	2.0679 mL	4.1357 mL
10 mM	0.2068 mL	1.0339 mL	2.0679 mL
50 mM	0.0414 mL	0.2068 mL	0.4136 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**

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