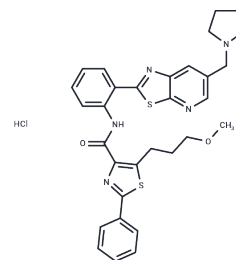


## Sirtuin modulator 1

## Chemical Properties

CAS No. :	2070015-26-6
Formula:	C <sub>31</sub> H <sub>32</sub> ClN <sub>5</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	606.2
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	Sirtuin modulator 1 (SRT3025 Hydrochloride) is a modulator of SIRT1 with EC <sub>50</sub> of < 1 μM.
Targets(IC <sub>50</sub> )	Sirtuin

## Solubility Information

Solubility	DMSO: 12 mg/mL (19.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.65 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6496 mL	8.2481 mL	16.4962 mL
5 mM	0.3299 mL	1.6496 mL	3.2992 mL
10 mM	0.165 mL	0.8248 mL	1.6496 mL
50 mM	0.033 mL	0.165 mL	0.3299 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

Christopher Oalman, et al. Thiazolopyridine sirtuin modulating compounds. WO 2010071853 A1

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