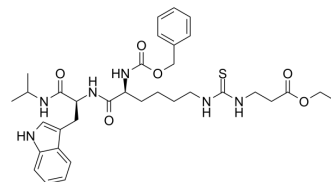


## Et-29

Cat. No.:	HY-145651
CAS No.:	2166487-23-4
Molecular Formula:	C <sub>34</sub> H <sub>46</sub> N <sub>6</sub> O <sub>6</sub> S
Molecular Weight:	666.83
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (149.96 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.4996 mL</td> <td>7.4982 mL</td> <td>14.9963 mL</td> </tr> <tr> <td>5 mM</td> <td>0.2999 mL</td> <td>1.4996 mL</td> <td>2.9993 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1500 mL</td> <td>0.7498 mL</td> <td>1.4996 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.4996 mL	7.4982 mL	14.9963 mL	5 mM	0.2999 mL	1.4996 mL	2.9993 mL	10 mM	0.1500 mL	0.7498 mL	1.4996 mL
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Please refer to the solubility information to select the appropriate solvent.																						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.75 mM); Clear solution																					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.75 mM); Suspended solution; Need ultrasonic																					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.75 mM); Clear solution																					

### BIOLOGICAL ACTIVITY

Description	Et-29 is a potent and selective SIRT5 inhibitor (K <sub>i</sub> =40 nM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	SIRT5 40 nM (K <sub>i</sub> )

### CUSTOMER VALIDATION

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- bioRxiv. 2023 May 9.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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