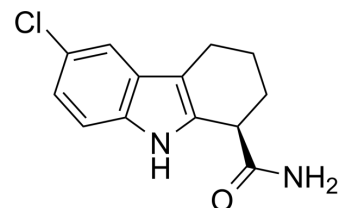


## (R)-Selisistat

<b>Cat. No.:</b>	HY-15452B		
<b>CAS No.:</b>	848193-69-1		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>13</sub> ClN <sub>2</sub> O		
<b>Molecular Weight:</b>	248.71		
<b>Target:</b>	Sirtuin		
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (402.07 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.0207 mL	20.1037 mL	40.2075 mL
	5 mM	0.8041 mL	4.0207 mL	8.0415 mL
	10 mM	0.4021 mL	2.0104 mL	4.0207 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (10.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (10.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (10.05 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

(R)-Selisistat ((R)-EX-527) is a R-enantiomer of Selisistat. Selisistat (EX-527) is a potent and selective SIRT1 inhibitor with IC<sub>50</sub> of 98 nM.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: > 100 μM (SIRT1)<sup>[1]</sup>

### REFERENCES

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

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