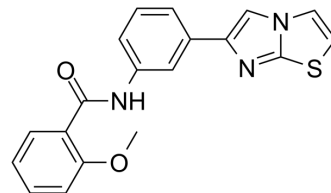


## Sirtuin modulator 2

Cat. No.:	HY-147234
CAS No.:	667910-69-2
Molecular Formula:	C <sub>19</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	349.41
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (286.20 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8620 mL	14.3098 mL	28.6197 mL
	5 mM	0.5724 mL	2.8620 mL	5.7239 mL
	10 mM	0.2862 mL	1.4310 mL	2.8620 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 (7.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (7.15 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Sirtuin modulator 2 (Compound 132) is a sirtuin modulator with an ED<sub>50</sub> equal or less than 50 μM<sup>[1]</sup>.

### REFERENCES

- [1]. Michael Milburn, et al. N-phenyl benzamide derivatives as sirtuin modulators. WO2006094236A1.

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

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