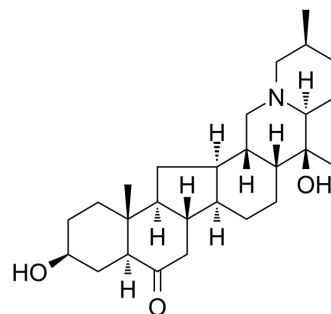


## Sipeimine

<b>Cat. No.:</b>	HY-N0696		
<b>CAS No.:</b>	61825-98-7		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>43</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	429.64		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 8.33 mg/mL (19.39 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3275 mL	11.6376 mL	23.2753 mL
	5 mM	0.4655 mL	2.3275 mL	4.6551 mL
	10 mM	0.2328 mL	1.1638 mL	2.3275 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: ≥ 0.77 mg/mL (1.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 0.77 mg/mL (1.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 0.77 mg/mL (1.79 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Sipeimine is a natural product isolated from *Fritillaria ussuriensis*. IC<sub>50</sub> value: Target: In vitro: Sipeimine can induce rejuvenation of an endophytic fungus; Sipeimine yield of the strain rejuvenated by adding 3% bulbous was effectively improved to 0.0563 mg/L and it is 21.9% higher than that of the initial strain [1]. In vivo:

### REFERENCES

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[1]. CUI Ying, et al. Rejuvenation of a Sipeimine-Producing Endophytic Fungus. Journal of Fungal Research, 2010-01

[2]. Yin H, et al. Sipeimine-producing endophytic fungus isolated from *Fritillaria ussuriensis*. Z Naturforsch C. 2008 Nov-Dec;63(11-12):789-93.

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

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