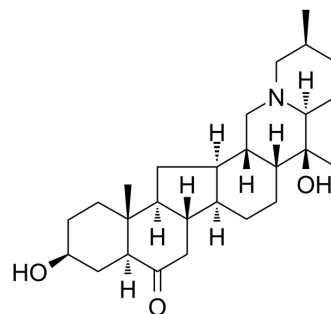


Sipeimine

Cat. No.:	HY-N0696		
CAS No.:	61825-98-7		
Molecular Formula:	C ₂₇ H ₄₃ NO ₃		
Molecular Weight:	429.64		
Target:	Others		
Pathway:	Others		
Storage:	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)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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*. IC50 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

[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.

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

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