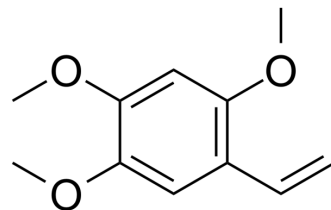


Beta-asarone

Cat. No.:	HY-N1501
CAS No.:	5273-86-9
Molecular Formula:	C ₁₂ H ₁₆ O ₃
Molecular Weight:	208.25
Target:	Others
Pathway:	Others
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 (480.19 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.8019 mL	24.0096 mL	48.0192 mL
		5 mM	0.9604 mL	4.8019 mL	9.6038 mL
	10 mM	0.4802 mL	2.4010 mL	4.8019 mL	
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: ≥ 2.75 mg/mL (13.21 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.75 mg/mL (13.21 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.75 mg/mL (13.21 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Beta-asarone is a major ingredient of <i>Acorus tatarinowii</i> Schott, penetrates blood brain barrier, with the properties of immunosuppression, central nervous system inhibition, sedation, and hypothermy. Beta-asarone protects against Parkinson's disease ^[1] .
-------------	---

CUSTOMER VALIDATION

- Cancer Med. 2023 Jun 12.
- Int Ophthalmol. 2022 Nov 13.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Zhang QS, et al. Beta-asarone protects against MPTP-induced Parkinson's disease via regulating long non-coding RNA MALAT1 and inhibiting α -synuclein protein expression. Biomed Pharmacother. 2016 Oct;83:153-159.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA