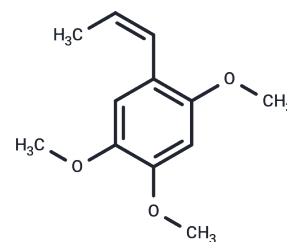


beta-Asarone

Chemical Properties

CAS No. :	5273-86-9
Formula:	C ₁₂ H ₁₆ O ₃
Molecular Weight:	208.25
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. beta-Asarone (Cis-Isoelemicin) may be a potential preventive drug for Alzheimer's disease. 2. Beta-Asarone prevents autophagy and synaptic loss by reducing ROCK expression in SAMP8 mice. 3. The co-administration of beta-Asarone(Cis-Isoasarone) and l-dopa may contribute to the treatment of 6-OHDA-induced damage in rats by inhibiting autophagy activity. 4. Beta-Asarone exhibits anti-inflammatory effects by suppressing the production of pro-inflammatory mediators through NF-κB signaling and the JNK pathways in activated microglial cells and might be developed as a promising candidate to treat various neuroinflammatory diseases.
Targets(IC50)	NF-κB,JNK

Solubility Information

Solubility	DMSO: 55 mg/mL (264.1 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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	2.401 mL	4.8019 mL
50 mM	0.096 mL	0.4802 mL	0.9604 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kumar R , Prakash O , Pan A K , et al. Compositional variations and anthelmintic activity of essential oils from rhizomes of different wild populations of Acorus calamus L. and its major component, beta-Asarone.[J]. Natural

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