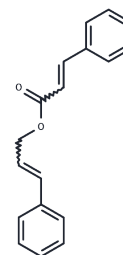


Cinnamyl cinnamate

Chemical Properties

CAS No. : 122-69-0
 Formula: C₁₈H₁₆O₂
 Molecular Weight: 264.32
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cinnamyl cinnamate (Phenylallyl cinnamate) is a natural product that is present in dipterocarpus and poplar. Cinnamyl cinnamate is the fragrance that can be extracted from Suhe balsam and white Peru balsam.
Targets(IC50)	Others
In vitro	A toxicologic and dermatologic review of Cinnamyl cinnamate when used as a fragrance ingredient is presented. Ten rabbits received a single dermal application of neat Cinnamyl cinnamate (applied for 24 h under occlusion; Observationsv 14 days). The acute dermal LD50 in rabbits exceeded 5.0 g/kg. No effects were observed (RIFM, 1974a).[1]

Solubility Information

Solubility	DMSO: 100 mg/mL (378.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (18.92 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bhatia SP, et al. Fragrance material review on cinnamyl cinnamate. Food Chem Toxicol. 2007;45(1):66-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481