

α -Terpinyl acetate

Chemical Properties

CAS No. : 80-26-2

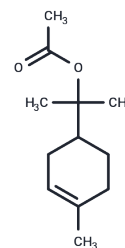
Formula: C₁₂H₂₀O₂

Molecular Weight: 196.29

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	α -Terpinyl acetate is a natural compound found in several essential oils, is a flavouring agent.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 65 mg/mL (331.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (10.19 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	5.0945 mL	25.4725 mL	50.945 mL
5 mM	1.0189 mL	5.0945 mL	10.189 mL
10 mM	0.5095 mL	2.5473 mL	5.0945 mL
50 mM	0.1019 mL	0.5095 mL	1.0189 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

Lee Y , Park H G , Kim V , et al. Inhibitory effect of α -terpinyl acetate on cytochrome P450 2B6 enzymatic activity[J]. *Chemico Biological Interactions*, 2018, 289:90-97.

Fidan H, Stefanova G, Kostova I. Chemical Composition and Antimicrobial Activity of *Laurus nobilis* L. Essential Oils from Bulgaria. *Molecules*. 2019 Feb 22;24(4). pii: E804.

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