

Cinnamyl acetate

Chemical Properties

CAS No.:	21040-45-9
Formula:	C ₁₁ H ₁₂ O ₂
Molecular Weight:	176.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Cinnamyl acetate is used as flavor and fragrance ingredient in food and cosmetic industries.
Targets(IC ₅₀)	Others: None
In vitro	METHODS AND RESULTS: A toxicologic and dermatologic review of Cinnamyl acetate when used as a fragrance ingredient is presented.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.675 mL	28.377 mL	56.754 mL
5 mM	1.135 mL	5.675 mL	11.351 mL
10 mM	0.568 mL	2.838 mL	5.675 mL
50 mM	0.114 mL	0.568 mL	1.135 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Fragrance material review on cinnamyl acetate. Food Chem Toxicol. 2007;45 Suppl 1:S53-7.
2. Lipase catalyzed synthesis of cinnamyl acetate via transesterification in non-aqueous medium. Process Biochemistry, 2012, 47(3):496-502.

Inhibitors · Natural Compounds · Compound Libraries

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