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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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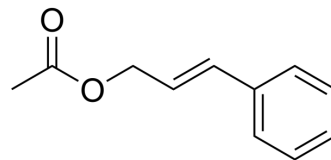
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Cinnamyl acetate

Cat. No.:	HY-N7125
CAS No.:	103-54-8
Molecular Formula:	C ₁₁ H ₁₂ O ₂
Molecular Weight:	176.21
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (567.50 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		5.6750 mL	28.3752 mL	56.7505 mL
		5 mM		1.1350 mL	5.6750 mL	11.3501 mL
		10 mM		0.5675 mL	2.8375 mL	5.6750 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: ≥ 2.5 mg/mL (14.19 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.19 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.19 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Cinnamyl acetate has a wide application in the flavor and fragrance industry ^[1] . Cinnamyl acetate is a new broad spectrum antibacterial agent ^[2] .
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REFERENCES

[1]. Dong H, et al. Whole-Cell Biocatalytic Synthesis of Cinnamyl Acetate with a Novel Esterase from the DNA Library of *Acinetobacter hemolyticus*. *J Agric Food Chem*. 2017

Mar 15;65(10):2120-2128.

[2]. Nieto-Bobadilla MS, et al. Controlled delivery of a new broad spectrum antibacterial agent against colitis: In vitro and in vivo performance. Eur J Pharm Biopharm. 2015 Oct;96:152-61.

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

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