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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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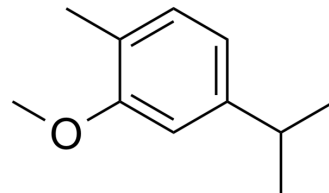
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Carvacrol methyl ether

Cat. No.:	HY-W049970		
CAS No.:	6379-73-3		
Molecular Formula:	C ₁₁ H ₁₆ O		
Molecular Weight:	164.24		
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 (608.87 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.0887 mL	30.4433 mL	60.8865 mL
	5 mM	1.2177 mL	6.0887 mL	12.1773 mL
	10 mM	0.6089 mL	3.0443 mL	6.0887 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (15.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (15.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (15.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Carvacrol methyl ether, a Carvacrol analog, can be isolated from plant volatile oil. Carvacrol methyl ether exhibits antibacterial activity^{[1][2]}.

REFERENCES

[1]. Dorman HJ, et, al. Antimicrobial agents from plants: antibacterial activity of plant volatile oils. J Appl Microbiol. 2000 Feb;88(2):308-16.

[2]. Ultee A, et, al. The phenolic hydroxyl group of carvacrol is essential for action against the food-borne pathogen Bacillus cereus. Appl Environ Microbiol. 2002 Apr;68(4):1561-8.

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

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