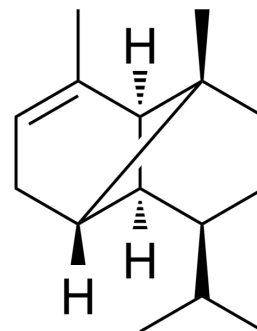


α -Copaene

Cat. No.:	HY-122485	
CAS No.:	3856-25-5	
Molecular Formula:	C ₁₅ H ₂₄	
Molecular Weight:	204.35	
Target:	Others	
Pathway:	Others	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (489.36 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8936 mL	24.4678 mL	48.9356 mL
	5 mM	0.9787 mL	4.8936 mL	9.7871 mL
	10 mM	0.4894 mL	2.4468 mL	4.8936 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: \geq 2.5 mg/mL (12.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: \geq 2.5 mg/mL (12.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 2.5 mg/mL (12.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

α -Copaene, a sesquiterpene hydrocarbon, is a fruit volatile. α -Copaene can be used as an oviposition promoter of *Bactrocera oleae*^[1].

REFERENCES

- [1]. Alfonso I, et, al. Role of α -copaene in the susceptibility of olive fruits to *Bactrocera oleae* (Rossi). J Agric Food Chem. 2014 Dec 10;62(49):11976-9.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA