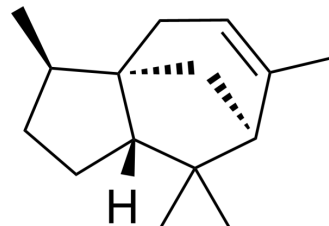


(-)-Cedrene

Cat. No.:	HY-135190		
CAS No.:	469-61-4		
Molecular Formula:	C ₁₅ H ₂₄		
Molecular Weight:	204.35		
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 : 12.5 mg/mL (61.17 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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: ≥ 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: ≥ 1.25 mg/mL (6.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (6.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(-)-Cedrene (α-cedrene) is a sesquiterpene constituent of cedarwood oils, with anti-leukemic, antimicrobial and anti-obesity activities^[1].

CUSTOMER VALIDATION

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- bioRxiv. 2023 Jun 3.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Tae Hwan Kim, et al. In Vivo Absorption and Disposition of α -Cedrene, a Sesquiterpene Constituent of Cedarwood Oil, in Female and Male Rats. Drug Metab Pharmacokinet. 2015 Apr;30(2):168-73.

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

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