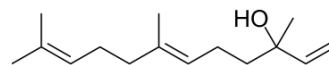


Nerolidol

Cat. No.:	HY-N1944		
CAS No.:	7212-44-4		
Molecular Formula:	C ₁₅ H ₂₆ O		
Molecular Weight:	222.37		
Target:	Bacterial; Fungal; Parasite; Endogenous Metabolite		
Pathway:	Anti-infection; Metabolic Enzyme/Protease		
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 (449.70 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4970 mL	22.4850 mL	44.9701 mL
	5 mM	0.8994 mL	4.4970 mL	8.9940 mL
	10 mM	0.4497 mL	2.2485 mL	4.4970 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 (11.24 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.5 mg/mL (11.24 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.5 mg/mL (11.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nerolidol is a natural membrane-active sesquiterpene, with antitumor, antibacterial, antifungal and antiparasitic activity^[1].

IC₅₀ & Target

Human Endogenous Metabolite
(□□□□)

REFERENCES

[1]. Nerolidol, et al. In vitro antileishmanial and cytotoxic activities of nerolidol are associated with changes in plasma membrane dynamics. *Biochim Biophys Acta Biomembr.* 2019 Jun 1;1861(6):1049-1056.

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

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