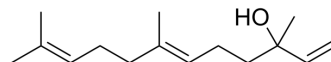


trans-Nerolidol

Cat. No.:	HY-N6635
CAS No.:	40716-66-3
Molecular Formula:	C ₁₅ H ₂₆ O
Molecular Weight:	222
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (450.45 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		4.5045 mL	22.5225 mL	45.0450 mL
		5 mM		0.9009 mL	4.5045 mL	9.0090 mL
		10 mM		0.4505 mL	2.2523 mL	4.5045 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 (11.26 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.26 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.26 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	trans-Nerolidol is a sesquiterpene alcohol. It can be isolated from f aerial parts of Warionia saharae ex Benth. trans-Nerolidol improves the anti-proliferative effect of Doxorubicin (HY-15142A) against intestinal cancer cells in vitro. trans-Nerolidol also has anti-fungal activity ^{[1][2]} .
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REFERENCES

[1]. Hanušová V, et al. The effects of β-caryophyllene oxide and trans-nerolidol on the efficacy of doxorubicin in breast cancer cells and breast tumor-bearing mice. Biomed Pharmacother. 2017 Nov;95:828-836.

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

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