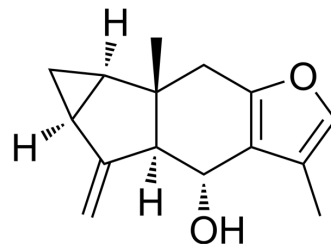


Lindenenol

Cat. No.:	HY-N2061
CAS No.:	26146-27-0
Molecular Formula:	C ₁₅ H ₁₈ O ₂
Molecular Weight:	230.3
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (434.22 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.3422 mL	21.7108 mL	43.4216 mL
		5 mM	0.8684 mL	4.3422 mL	8.6843 mL
	10 mM	0.4342 mL	2.1711 mL	4.3422 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 (10.86 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.86 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Lindenenol is isolated from Radix linderae, with antioxidant and antibacterial activities ^[1] .
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REFERENCES

[1]. Joshi SC, et al. Antioxidant and antibacterial activities of the leaf essential oil and its constituents furanodienone and curzerenone from *Lindera pulcherrima* (Nees.) Benth. ex hook. f. Pharmacognosy Res. 2012 Apr;4(2):80-4.

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

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