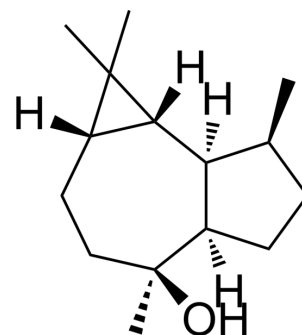


Ledol

Cat. No.:	HY-121388	
CAS No.:	577-27-5	
Molecular Formula:	C ₁₅ H ₂₆ O	
Molecular Weight:	222.37	
Target:	Fungal	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMF : 100 mg/mL (449.70 mM; Need ultrasonic)

DMSO : 12.5 mg/mL (56.21 mM; ultrasonic and warming and heat to 60°C)

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.

BIOLOGICAL ACTIVITY

Description

Ledol ((+)-Ledol) is an antifungal agent that can be isolated from the essential oil fractions of *Rhododendron tomentosum*. Ledol is also the expectorant and antitussive agent, which is simultaneously responsible for adverse reactions such as dizziness, nausea and vomiting^[1].

REFERENCES

[1]. Jesionek A, et al. Validated HPTLC method for determination of ledol and alloaromadendrene in the essential oil fractions of *Rhododendron tomentosum* plants and in vitro cultures and bioautography for their activity screening. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2018 Jun 1;1086:63-72.

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

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