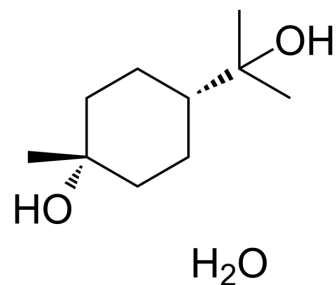


Terpin hydrate

Cat. No.:	HY-B1063		
CAS No.:	2451-01-6		
Molecular Formula:	C ₁₀ H ₂₂ O ₃		
Molecular Weight:	190.28		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (525.54 mM)
 H₂O : 1 mg/mL (5.26 mM; ultrasonic and warming and heat to 60°C)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		5.2554 mL	26.2771 mL	52.5541 mL
	5 mM		1.0511 mL	5.2554 mL	10.5108 mL
	10 mM		0.5255 mL	2.6277 mL	5.2554 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 10 mg/mL (52.55 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (13.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Terpin hydrate is an expectorant, commonly used to loosen mucus in patients presenting with acute or chronic bronchitis, and related conditions.

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

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