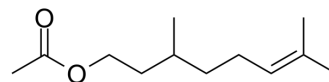


Citronellyl acetate

Cat. No.:	HY-N7144A		
CAS No.:	150-84-5		
Molecular Formula:	C ₁₂ H ₂₂ O ₂		
Molecular Weight:	198.3		
Target:	Apoptosis		
Pathway:	Apoptosis		
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 (504.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.0429 mL	25.2143 mL	50.4286 mL
	5 mM	1.0086 mL	5.0429 mL	10.0857 mL
	10 mM	0.5043 mL	2.5214 mL	5.0429 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 (12.61 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Citronellyl acetate is a monoterpene product of the secondary metabolism of plants, with antinociceptive activity. Citronellyl acetate exhibits pro-apoptotic activity in human hepatoma cells. Citronellyl acetate shows fungicidal, larvicidal, bactericidal and repelling/insecticidal effects^[1].

REFERENCES

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

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