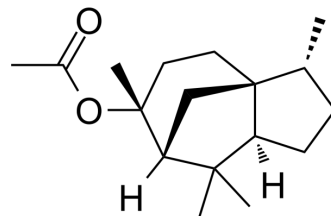


Cedryl acetate

Cat. No.:	HY-W009417
CAS No.:	77-54-3
Molecular Formula:	C ₁₇ H ₂₈ O ₂
Molecular Weight:	264.4
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (189.11 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.7821 mL	18.9107 mL	37.8215 mL
				5 mM	0.7564 mL	3.7821 mL	7.5643 mL
				10 mM	0.3782 mL	1.8911 mL	3.7821 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 (9.46 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Cedryl acetate is a tricyclic sesquiterpene isolated from the plant <i>Cunninghamia lanceolata</i> . Cedryl acetate shows α-glucosidase inhibitory activity ^[1] .
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REFERENCES

[1]. Sultan S, et al. Fungal transformation of cedryl acetate and α-glucosidase inhibition assay, quantum mechanical calculations and molecular docking studies of its metabolites. *Eur J Med Chem.* 2013 Apr;62:764-70.

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

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