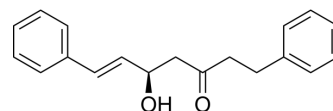


(5R,6E)-5-Hydroxy-1,7-diphenyl-6-hepten-3-one

Cat. No.:	HY-N2185
CAS No.:	87095-74-7
Molecular Formula:	C ₁₉ H ₂₀ O ₂
Molecular Weight:	280
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (357.14 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.5714 mL	17.8571 mL	35.7143 mL
		5 mM	0.7143 mL	3.5714 mL	7.1429 mL
	10 mM	0.3571 mL	1.7857 mL	3.5714 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 (8.93 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.93 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.93 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(5R,6E)-5-Hydroxy-1,7-diphenyl-6-hepten-3-one is the methylene chloride extract of <i>Alpinia nutans</i> , has antioxidant activity [1].
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REFERENCES

[1]. M. Habsah, et al. The Antioxidative Components from *Alpinia nutans*. *Pharmaceutical Biology*

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

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