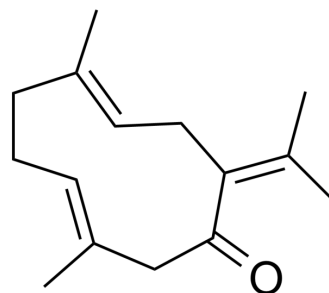


Germacrone

Cat. No.:	HY-N0440
CAS No.:	6902-91-6
Molecular Formula:	C ₁₅ H ₂₂ O
Molecular Weight:	218.33
Target:	Influenza Virus
Pathway:	Anti-infection
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 (458.02 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.5802 mL	22.9011 mL	45.8022 mL
				5 mM	0.9160 mL	4.5802 mL	9.1604 mL
				10 mM	0.4580 mL	2.2901 mL	4.5802 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 (11.45 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Germacrone is extracted from Rhizoma Curcuma. Germacrone inhibits influenza virus infection ^[1] .
IC ₅₀ & Target	Influenza virus ^[1]

REFERENCES

[1]. Liao Q, et al. Germacrone inhibits early stages of influenza virus infection. Antiviral Res. 2013 Dec;100(3):578-88.

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

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