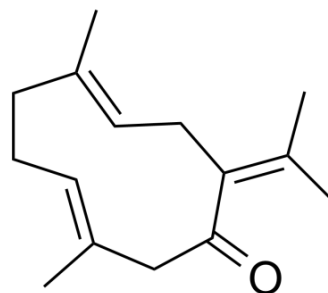


Germacrone

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)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<ol style="list-style-type: none"> 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 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 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] .
IC₅₀ & 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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