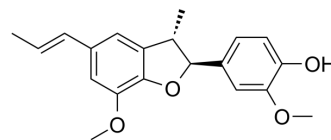


(±)-Licarin A

Cat. No.:	HY-N2449
CAS No.:	23518-30-1
Molecular Formula:	C ₂₀ H ₂₂ O ₄
Molecular Weight:	326.39
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (306.38 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0638 mL	15.3191 mL	30.6382 mL
		5 mM		0.6128 mL	3.0638 mL	6.1276 mL
	10 mM		0.3064 mL	1.5319 mL	3.0638 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 (7.66 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	(±)-Licarin A ((±)-trans-Dehydrodiisoeugenol) is a dihydrobenzofuran neolignan, the resultant of an oxidative coupling reaction of isoeugenol and horseradish peroxidase (HRP) enzyme. (±)-Licarin A displays 58.7% parasite lysis and has an IC ₅₀ value of 100.8 μM for trypanocidal activity against trypomastigote forms of T. cruzi. And (±)-Licarin A shows 100% parasites mortality at 200 μM ^[1] .
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REFERENCES

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

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