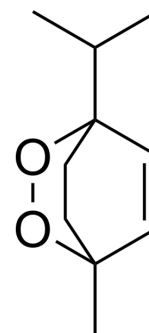


Ascaridole

Cat. No.:	HY-118494
CAS No.:	512-85-6
Molecular Formula:	C ₁₀ H ₁₆ O ₂
Molecular Weight:	168.23
Target:	Parasite
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 (594.42 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.9442 mL	29.7212 mL	59.4424 mL
		5 mM	1.1888 mL	5.9442 mL	11.8885 mL
		10 mM	0.5944 mL	2.9721 mL	5.9442 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 (14.86 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Ascaridole is an anthelmintic and also has antimalarial activity ^[1] .
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REFERENCES

[1]. Pollack, et al. The effect of ascaridole on the in vitro development of *Plasmodium falciparum*. Parasitol Res 76, 570–572 (1990).

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

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