Ascaridole

MedChemExpress

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

DMSO : 100 mg/mL (59	94.42 mM; Need ultrasonic)				
Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg	
	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.					
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					
	 DMSO : 100 mg/mL (59) Preparing Stock Solutions Please refer to the solution 1. Add each solvent of Solubility: ≥ 2.5 mg 2. Add each solvent of Solubility: ≥ 2.5 mg 3. Add each solvent of Solubility: ≥ 2.5 mg 	DMSO : 100 mg/mL (594.42 mM; Need ultrasonic) Preparing Stock Solutions 1 mM Stock Solutions 5 mM 10 mM Please refer to the solubility information to select the ap 1. Add each solvent one by one: 10% DMSO >> 40% PE Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20 Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% con Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution	DMSO : 100 mg/mL (594.42 mM; Need ultrasonic) Preparing Stock Solutions 1 mM 5.9442 mL 1 mM 5.9442 mL 1 mM 5.9442 mL 1 mM 0.5944 mL 10 mM 0.5944 mL Please refer to the solubility information to select the appropriate solvent. 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 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	DMSO : 100 mg/mL (594.42 mM; Need ultrasonic) Preparing Stock Solutions 1 mM 5.9442 mL 29.7212 mL 29.7212 mL 29.7212 mL 5 mM 1.1888 mL 5.9442 mL 2.9721 mL 10 mM 0.5944 mL 2.9721 mL Please refer to the solubility information to select the appropriate solvent. 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] .	

REFERENCES

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

Product Data Sheet

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

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