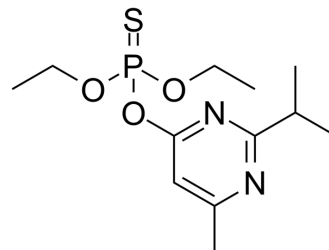


Diazinon

Cat. No.:	HY-B1113		
CAS No.:	333-41-5		
Molecular Formula:	C ₁₂ H ₂₁ N ₂ O ₃ PS		
Molecular Weight:	304.35		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (328.57 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2857 mL	16.4285 mL	32.8569 mL
	5 mM	0.6571 mL	3.2857 mL	6.5714 mL
	10 mM	0.3286 mL	1.6428 mL	3.2857 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (8.21 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Diazinon is a thiophosphoric acid ester, is a nonsystemic organophosphate insecticide, used to control cockroaches, silverfish, ants, and fleas.

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

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