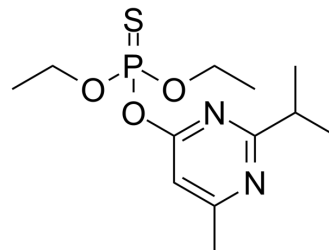


Diazinon

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:	<div>Pure form -20°C 3 years</div> <div> 4°C 2 years</div> <div>In solvent -80°C 6 months</div> <div> -20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (328.57 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	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	1. 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				
	2. 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				
	3. 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.
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Caution: Product has not been fully validated for medical applications. For research use only.

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