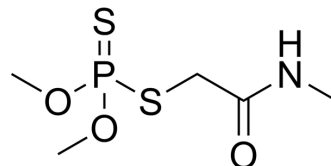


Dimethoate

Cat. No.:	HY-B1946
CAS No.:	60-51-5
Molecular Formula:	C ₅ H ₁₂ NO ₃ PS ₂
Molecular Weight:	229.26
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 10.42 mg/mL (45.45 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.3619 mL	21.8093 mL	43.6186 mL
		5 mM	0.8724 mL	4.3619 mL	8.7237 mL
		10 mM	0.4362 mL	2.1809 mL	4.3619 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 10 mg/mL (43.62 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Dimethoate is an effective systemic insecticide for use on plants, has shown promise as a chemotherapeutic agent for control of cattle grubs and certain other insect pests of farm animals, and has high contact toxicity to house-flies and many other insects ^[1] .
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CUSTOMER VALIDATION

- Insects. 2024 Jun 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. CASIDA JE, et al. Toxic hazard from formulating the insecticide dimethoate in methyl 'Cellosolve'. Nature. 1961;189:507-508.

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

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