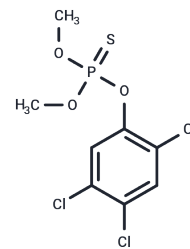


Fenchlorphos

Chemical Properties

CAS No. :	299-84-3
Formula:	C ₈ H ₈ Cl ₃ O ₃ PS
Molecular Weight:	321.55
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Fenchlorphos (Dermafos) is a cholinesterase inhibitor, used as an insecticide.
Targets(IC50)	Parasite,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 50 mg/mL (155.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.22 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1099 mL	15.5497 mL	31.0994 mL
5 mM	0.622 mL	3.1099 mL	6.2199 mL
10 mM	0.311 mL	1.555 mL	3.1099 mL
50 mM	0.0622 mL	0.311 mL	0.622 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kahl S, et al. J Anim Sci. 1985 Jul;61(1):197-202.

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