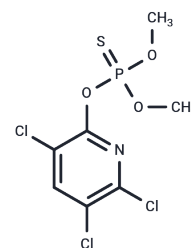


Chlorpyrifos-methyl

Chemical Properties

CAS No. :	5598-13-0
Formula:	C ₇ H ₇ Cl ₃ NO ₃ PS
Molecular Weight:	322.52
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chlorpyrifos-methyl inhibits acetylcholinesterase by acting on the nervous system of insects.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1006 mL	15.5029 mL	31.0058 mL
5 mM	0.6201 mL	3.1006 mL	6.2012 mL
10 mM	0.3101 mL	1.5503 mL	3.1006 mL
50 mM	0.062 mL	0.3101 mL	0.6201 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

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- Skaljic M, Kirfel P, Grotmann J, Vilcinskis A. Fitness costs of infection with *Serratia symbiotica* are associated with greater susceptibility to insecticides in the pea aphid *Acyrtosiphon pisum*. *Pest Manag Sci*. 2018 Aug;74(8):1829-1836. doi: 10.1002/ps.4881. Epub 2018 Mar 7. PubMed PMID: 29443436.
- Takayasu T, Yamamoto H, Ishida Y, Nosaka M, Kawaguchi M, Kuninaka Y, Kimura A, Kondo T. Postmortem distribution of chlorpyrifos-methyl, fenitrothion, and their metabolites in body fluids and organ tissues of an intoxication case. *Leg Med (Tokyo)*. 2017 Nov;29:44-50. doi: 10.1016/j.legalmed.2017.10.002. Epub 2017 Oct 4. PubMed PMID: 29054069.

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