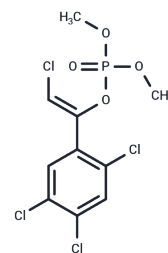


## Tetrachlorvinphos

## Chemical Properties

CAS No. :	22248-79-9
Formula:	C <sub>10</sub> H <sub>9</sub> Cl <sub>4</sub> O <sub>4</sub> P
Molecular Weight:	365.96
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	Tetrachlorvinphos, an organophosphate cholinesterase inhibitor, is used as an insecticide. It has low toxicity to mammals.
Targets(IC50)	Others,Endogenous Metabolite

## 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	2.7325 mL	13.6627 mL	27.3254 mL
5 mM	0.5465 mL	2.7325 mL	5.4651 mL
10 mM	0.2733 mL	1.3663 mL	2.7325 mL
50 mM	0.0547 mL	0.2733 mL	0.5465 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

Guyton KZ, Loomis D, Grosse Y, El Ghissassi F, Benbrahim-Tallaa L, Guha N, Scoccianti C, Mattock H, Straif K; International Agency for Research on Cancer Monograph Working Group, IARC, Lyon, France. Carcinogenicity of tetrachlorvinphos, parathion, malathion, diazinon, and glyphosate. *Lancet Oncol.* 2015 May;16(5):490-1. doi: 10.1016/S1470-2045(15)70134-8. Epub 2015 Mar 20. PubMed PMID: 25801782.

Yáñez-Ocampo G, Sánchez-Salinas E, Ortiz-Hernández ML. Removal of methyl parathion and tetrachlorvinphos by a bacterial consortium immobilized on tezontle-packed up-flow reactor. *Biodegradation.* 2011 Nov;22(6):1203-13. doi: 10.1007/s10532-011-9475-z. Epub 2011 May 1. PubMed PMID: 21533773.

Ogawa Y, Suzuki S, Takada K, Sai K, Kamata E, Umemura T, Kaneko T, Kurokawa Y. [Twenty-eight-day repeated dose toxicity test for tetrachlorvinphos in Wistar rat]. *Eisei Shikenjo Hokoku.* 1990;(108):45-51. Japanese. PubMed PMID: 1364360.

Noblet GP. Tetrachlorvinphos as an ineffective feed additive in control of gastrointestinal nematodes of beef cattle. *Am J Vet Res.* 1978 Jun;39(6):1033-6. PubMed PMID: 666078.

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