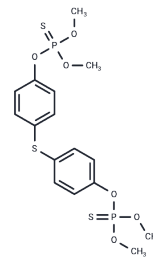


## Temephos

## Chemical Properties

CAS No. :	3383-96-8
Formula:	C <sub>16</sub> H <sub>20</sub> O <sub>6</sub> P <sub>2</sub> S <sub>3</sub>
Molecular Weight:	466.47
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Temephos (Temefos) is a cholinesterase inhibitor. Temephos is an organothiophosphate insecticide, used in the therapy of water infested with disease-carrying insects including midges, mosquitoes, and black fly larvae.
Targets(IC50)	AChR,Parasite

## Solubility Information

Solubility	DMSO: 55 mg/mL (117.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1438 mL	10.7188 mL	21.4376 mL
5 mM	0.4288 mL	2.1438 mL	4.2875 mL
10 mM	0.2144 mL	1.0719 mL	2.1438 mL
50 mM	0.0429 mL	0.2144 mL	0.4288 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.

## Reference

Lima JB, et al. Am J Trop Med Hyg. 2003 Mar;68(3):329-33.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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