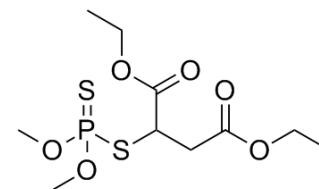


## Malathion

Cat. No.:	HY-B0943		
CAS No.:	121-75-5		
Molecular Formula:	C <sub>10</sub> H <sub>19</sub> O <sub>6</sub> PS <sub>2</sub>		
Molecular Weight:	330.36		
Target:	AChE		
Pathway:	Neuronal Signaling		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### Solvent & Solubility

#### In Vitro

DMSO :  $\geq 3.8$  mg/mL (11.50 mM)

\* " $\geq$ " means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0270 mL	15.1350 mL	30.2700 mL
	5 mM	0.6054 mL	3.0270 mL	6.0540 mL
	10 mM	0.3027 mL	1.5135 mL	3.0270 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Malathion is an organophosphate parasympathomimetic which binds irreversibly to cholinesterase, is an insecticide of relatively low human toxicity.

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

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