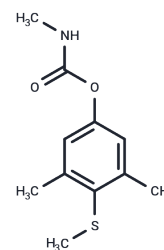


Methiocarb

Chemical Properties

CAS No. :	2032-65-7
Formula:	C ₁₁ H ₁₅ NO ₂ S
Molecular Weight:	225.31
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Methiocarb is a carbamate insecticide acting as a reversible AChE or ChE inhibitor, inducing oxidative stress in rats.
Targets(IC ₅₀)	Glutathione Peroxidase,Cholinesterase (ChE),CAT

Solubility Information

Solubility	H ₂ O: Soluble,Sonication is recommended. DMSO: Soluble,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	4.4383 mL	22.1916 mL	44.3833 mL
5 mM	0.8877 mL	4.4383 mL	8.8767 mL
10 mM	0.4438 mL	2.2192 mL	4.4383 mL
50 mM	0.0888 mL	0.4438 mL	0.8877 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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Plácido A, et al, Delerue-Matos C. Determination of methiocarb and its degradation products, methiocarb sulfoxide and methiocarb sulfone, in bananas using QuEChERS extraction. *J Agric Food Chem*. 2013 Jan 16;61(2):325-31.

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