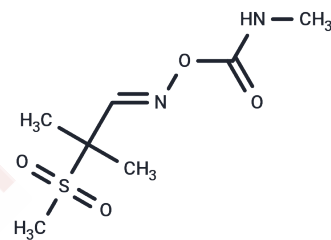


## Aldicarb sulfone

## Chemical Properties

CAS No. :	1646-88-4
Formula:	C7H14N2O4S
Molecular Weight:	222.26
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	Aldicarb sulfone is a cholinesterase inhibitor .
Targets(IC50)	Parasite,Cholinesterase (ChE),Drug Metabolite

## Solubility Information

Solubility	DMSO: 34 mg/mL (152.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4992 mL	22.4962 mL	44.9924 mL
5 mM	0.8998 mL	4.4992 mL	8.9985 mL
10 mM	0.4499 mL	2.2496 mL	4.4992 mL
50 mM	0.090 mL	0.4499 mL	0.8998 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

Nelmes A J . Behavioral Responses of Heterodera rostochiensis Larvae to Aldicarb and its Sulfoxide and Sulfone[J].  
Journal of nematology, 1970, 2(3):223-227.

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