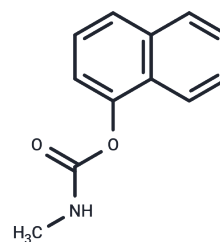


Carbaryl

Chemical Properties

CAS No. :	63-25-2
Formula:	C ₁₂ H ₁₁ NO ₂
Molecular Weight:	201.22
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carbaryl (1-naphthyl methylcarbamate) is a carbamate insecticide and parasiticide. It is a potent anticholinesterase agent belonging to the carbamate group of reversible cholinesterase inhibitors. It has a particularly low toxicity from dermal absorption and is used for control of head lice in some countries.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 50 mg/mL (248.48 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9697 mL	24.8484 mL	49.6968 mL
5 mM	0.9939 mL	4.9697 mL	9.9394 mL
10 mM	0.497 mL	2.4848 mL	4.9697 mL
50 mM	0.0994 mL	0.497 mL	0.9939 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

Wang HP, et al. Environ Toxicol. 2014 Oct; 29(10):1193-200.

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