Data Sheet (Cat.No.T20137)



Dimethoate

Chemical Properties

CAS No.: 60-51-5

Formula: C5H12NO3PS2

Molecular Weight: 229.26

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Dimethoate (L-395) is a systemic and contact insecticide for control of cattle grubs and certain other insect pests of farm animals.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 10 mg/mL (43.62 mM), Sonication and heating to 60°C are recommended.	
⊗	DMSO: Soluble,	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3619 mL	21.8093 mL	43.6186 mL
5 mM	0.8724 mL	4.3619 mL	8.7237 mL
10 mM	0.4362 mL	2.1809 mL	4.3619 mL
50 mM	0.0872 mL	0.4362 mL	0.8724 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

Hassen W, Neifar M, Cherif H, Mahjoubi M, Souissi Y, Raddadi N, Fava F, Cherif A. Assessment of genetic diversity and bioremediation potential of pseudomonads isolated from pesticide-contaminated artichoke farm soils. 3

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