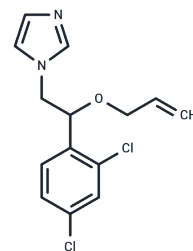


Imazalil

Chemical Properties

CAS No. :	35554-44-0
Formula:	C ₁₄ H ₁₄ Cl ₂ N ₂ O
Molecular Weight:	297.18
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	Enilconazole is an Agricultural fungicide Enilconazole is a fungicide widely used in agriculture, particularly in the growing of citrus fruits. It is also called Imazalil (Enilconazole), Chloramizole, Freshgard, Fungaflor, and Nuzone
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 25 mg/mL (84.12 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 (6.73 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	3.365 mL	16.8248 mL	33.6496 mL
5 mM	0.673 mL	3.365 mL	6.7299 mL
10 mM	0.3365 mL	1.6825 mL	3.365 mL
50 mM	0.0673 mL	0.3365 mL	0.673 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

Ruiz-Rodríguez L, et al. Food Chem. 2015 Jul 1;178:179-85.

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