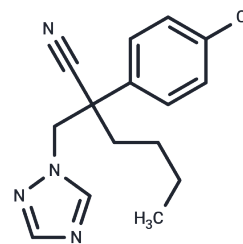


Myclobutanil

Chemical Properties

CAS No. : 88671-89-0
Formula: C₁₅H₁₇ClN₄
Molecular Weight: 288.78
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Myclobutanil (Systhane) is a triazole chemical used as a fungicide. It is a steroid demethylation inhibitor, specifically inhibiting ergosterol biosynthesis. Ergosterol is a critical component of fungal cell membranes.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 50 mg/mL (173.14 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4628 mL	17.3142 mL	34.6284 mL
5 mM	0.6926 mL	3.4628 mL	6.9257 mL
10 mM	0.3463 mL	1.7314 mL	3.4628 mL
50 mM	0.0693 mL	0.3463 mL	0.6926 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

Yan J, et al. Chirality. 2014 Jan;26(1):51-5.

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