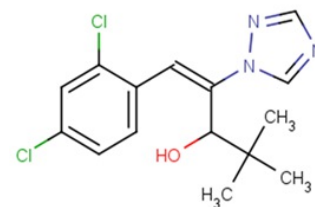


Diniconazole

Chemical Properties

CAS No.:	83657-24-3
Formula:	C ₁₅ H ₁₇ Cl ₂ N ₃ O
Molecular Weight:	326.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Diniconazole is a fungicide. It is known as a plant hormone abscisic acid (ABA) catabolic inhibitor, and acts as a potent competitive inhibitor of recombinant Arabidopsis ABA 8'-hydroxylase, CYP707A3.
Targets(IC ₅₀)	Bacterial: None

Solubility Information

Solubility	DMSO: 100 mg/mL (306.54 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.065 mL	15.327 mL	30.654 mL
5 mM	0.613 mL	3.065 mL	6.131 mL
10 mM	0.307 mL	1.533 mL	3.065 mL
50 mM	0.061 mL	0.307 mL	0.613 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yoshida Y , Aoyama Y , Takano H , et al. Stereo-selective interaction of enantiomers of diniconazole, a fungicide, with purified P-450/14DM from Yeast[J]. Biochemical and Biophysical Research Communications, 1986, 137(1):513-519.

Inhibitors · Natural Compounds · Compound Libraries

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