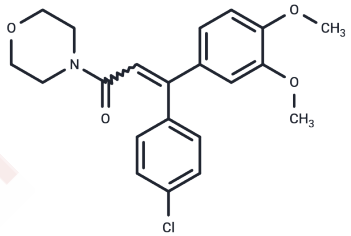
Data Sheet (Cat.No.T41322)

TargetMol

Dimethomorph

Chemical Properties



CAS No. : 110488-70-5

Formula: C21H22ClNO4

Molecular Weight: 387.86

Storage: Keep away from direct sunlight,Keep away from moisture
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	Dimethomorph is a fungicide and sterol biosynthesis inhibitor that inhibits fungal cell wall formation, primarily used for the control of downy mildew and late blight. Dimethomorph also inhibits androgen receptor (AR) activity in MDA-kb2 cells, with an IC_{20} of 0.263 μM.
Targets(IC50)	Androgen Receptor,Parasite,Antifungal

Solubility Information

Solubility	DMSO: 4 mg/mL (10.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5782 mL	12.8912 mL	25.7825 mL
5 mM	0.5156 mL	2.5782 mL	5.1565 mL
10 mM	0.2578 mL	1.2891 mL	2.5782 mL
50 mM	0.0516 mL	0.2578 mL	0.5156 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

M E Matheron, et al. Impact of Azoxystrobin, Dimethomorph, Fluazinam, Fosetyl-Al, and Metalaxyl on Growth, Sporulation, and Zoospore Cyst Germination of Three Phytophthora spp. Plant Dis. 2000 Apr;84(4):454-458.
Frances Orton, et al. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect. 2011 Jun;119(6):794-800.