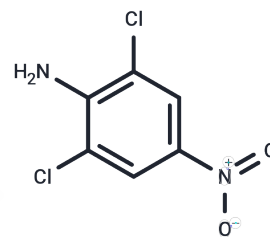


Dicloran

Chemical Properties

CAS No. :	99-30-9
Formula:	C ₆ H ₄ Cl ₂ N ₂ O ₂
Molecular Weight:	207.01
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	Dicloran is an aromatic fungicide that delays spore germination and inhibits hyphal growth, effective against Botrytis, Monilinia, Rhizopus, Sclerotinia, and Sclerotium spp.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 10 mg/mL (48.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8307 mL	24.1534 mL	48.3068 mL
5 mM	0.9661 mL	4.8307 mL	9.6614 mL
10 mM	0.4831 mL	2.4153 mL	4.8307 mL
50 mM	0.0966 mL	0.4831 mL	0.9661 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

- Vebrosky EN, et al. Photodegradation of Dicloran in Freshwater and Seawater. *J Agric Food Chem.* 2018 Mar 21;66(11):2654-2659.
- Xu W, et al. Evaluation of dicloran phototoxicity using primary cardiomyocyte culture from *Crassostrea virginica*. *Sci Total Environ.* 2018 Jul 1;628-629:1-10.
- Demirel R, et al. Indoor airborne fungal pollution in newborn units in Turkey. *Environ Monit Assess.* 2017 Jul;189(7):362.
- Barbosa RN, et al. *Aspergillus* and *Penicillium* (Eurotiales: Trichocomaceae) in soils of the Brazilian tropical dry forest: diversity in an area of environmental preservation. *Rev Biol Trop.* 2016 Mar;64(1):45-53.

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