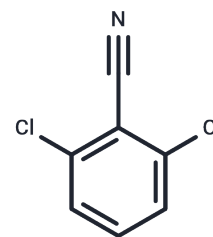


Dichlobenil

Chemical Properties

CAS No. :	1194-65-6
Formula:	C ₇ H ₃ Cl ₂ N
Molecular Weight:	172.01
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Dichlobenil (2,6-dichloro-Benzonitrile) is a herbicide widely used for weed control, an olfactory toxicant, and a cellulose biosynthesis inhibitor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8136 mL	29.0681 mL	58.1362 mL
5 mM	1.1627 mL	5.8136 mL	11.6272 mL
10 mM	0.5814 mL	2.9068 mL	5.8136 mL
50 mM	0.1163 mL	0.5814 mL	1.1627 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

- Li WK, et al. Simultaneous determination of bifenox, dichlobenil and diclofop methyl by hollow carbon nanospheres enhanced magnetic carboxylic multi-walled carbon nanotubes. *Anal Chim Acta*. 2018 Jun 29;1011: 40-49.
- Kerminen K, et al. Influence of organic matter, nutrients, and cyclodextrin on microbial and chemical herbicide and degradate dissipation in subsurface sediment slurries. *Sci Total Environ*. 2018 Mar 15;618:1449-1458.
- de Castro M, et al. Phenolic metabolism and molecular mass distribution of polysaccharides in cellulose-deficient maize cells. *J Integr Plant Biol*. 2017 Jul;59(7):475-495.
- de Castro M, Martínez-Rubio R, Acebes JL, Encina A, Fry SC, García-Angulo P. Phenolic metabolism and molecular mass distribution of polysaccharides in cellulose-deficient maize cells. *J Integr Plant Biol*. 2017 Jul;59(7):475-495. doi: 10.1111/jipb.12549. Epub 2017 Jun 21. PubMed PMID: 28474461.

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