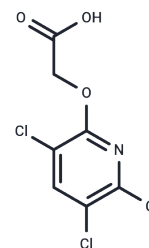


Triclopyr

Chemical Properties

CAS No. :	55335-06-3
Formula:	C ₇ H ₄ Cl ₃ NO ₃
Molecular Weight:	256.47
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	Triclopyr (NSC 190671) is a synthetic growth hormone-like herbicide and fungicide that is cytotoxic, induces mitochondrial damage in rat liver, and is widely used in agricultural research.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 100 mg/mL (389.91 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	3.8991 mL	19.4955 mL	38.9909 mL
5 mM	0.7798 mL	3.8991 mL	7.7982 mL
10 mM	0.3899 mL	1.9495 mL	3.8991 mL
50 mM	0.078 mL	0.3899 mL	0.7798 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

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Tayeb MA, Ismail BS, Khairiatul-Mardiana J. Runoff of the herbicides triclopyr and glufosinate ammonium from oil palm plantation soil. *Environ Monit Assess.* 2017 Oct 11;189(11):551. doi: 10.1007/s10661-017-6236-4. PubMed PMID: 29022154.

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