

Metiram

Chemical Properties

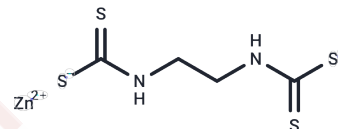
CAS No. : 9006-42-2

Formula: C₄H₆N₂S₄Zn

Molecular Weight: 275.73

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	Metiram is a polymeric dithiocarbamic fungicide used in agriculture. Metiram is now a mixture and is not assigned an ISO name. Metiram is used frequently in the protection of tomatoes, potatoes, apples, grapevines, and other crops.
Targets(IC50)	Others,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6267 mL	18.1337 mL	36.2674 mL
5 mM	0.7253 mL	3.6267 mL	7.2535 mL
10 mM	0.3627 mL	1.8134 mL	3.6267 mL
50 mM	0.0725 mL	0.3627 mL	0.7253 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

Sakr S, El-Kenawy A, El-Sahra D. Metiram-induced nephrotoxicity in albino mice: effect of licorice aqueous extract. *Environ Toxicol.* 2013 Jul;28(7):372-9. doi: 10.1002/tox.20728. Epub 2011 May 4. PubMed PMID: 21544926.

Lin R, Buijse L, Dimitrov MR, Dohmen P, Kosol S, Maltby L, Roessink I, Sinkeldam JA, Smidt H, Van Wijngaarden RP, Brock TC. Effects of the fungicide metiram in outdoor freshwater microcosms: responses of invertebrates, primary producers and microbes. *Ecotoxicology.* 2012 Jul;21(5):1550-69. doi: 10.1007/s10646-012-0909-0. Epub 2012 May 4. PubMed PMID: 22555811; PubMed Central PMCID: PMC3377896.

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Charles JM, Tobia A, van Ravenzwaay B. Subchronic and chronic toxicological investigations on metiram: the lack of a carcinogenic response in rodents. *Toxicol Sci.* 2000 Apr;54(2):481-92. PubMed PMID: 10774831.

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