

## Mancozeb

## Chemical Properties

CAS No. :	8018-01-7
Formula:	C <sub>8</sub> H <sub>12</sub> MnN <sub>4</sub> S <sub>8</sub> Zn
Molecular Weight:	541.08
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	Mancozeb is a fungicide of ethylene-bis-dithiocarbamate.
Targets(IC50)	Apoptosis,Nrf2,Antifungal,Cytochromes P450,Dehydrogenase

## Solubility Information

Solubility	DMSO: 1.18 mg/mL (2.18 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	1.8482 mL	9.2408 mL	18.4816 mL
5 mM	0.3696 mL	1.8482 mL	3.6963 mL
10 mM	0.1848 mL	0.9241 mL	1.8482 mL
50 mM	0.037 mL	0.1848 mL	0.3696 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

Santos R, et al. Thyroid and reproductive hormones in relation to pesticide use in an agricultural population in Southern Brazil. Environ Res. 2019 Jun;173:221-231.

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