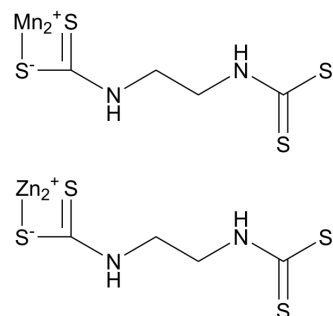


## Mancozeb

Cat. No.:	HY-B0854		
CAS No.:	8018-01-7		
Molecular Formula:	C <sub>8</sub> H <sub>12</sub> Mn <sub>2</sub> N <sub>4</sub> S <sub>8</sub> Zn <sub>2</sub> <sup>2-</sup>		
Molecular Weight:	661.36		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 1 mg/mL (1.51 mM; Need ultrasonic)  
 H<sub>2</sub>O : < 0.1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		1.5120 mL	7.5602 mL	15.1204 mL
5 mM		---	---	---
10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Mancozeb is an ethylene-bis-dithiocarbamate fungicide<sup>[1]</sup>.

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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