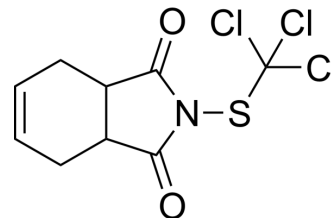


## Captan

Cat. No.:	HY-B1584	
CAS No.:	133-06-2	
Molecular Formula:	C <sub>9</sub> H <sub>8</sub> Cl <sub>3</sub> NO <sub>2</sub> S	
Molecular Weight:	300.59	
Target:	Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (166.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3268 mL	16.6340 mL	33.2679 mL
	5 mM	0.6654 mL	3.3268 mL	6.6536 mL
	10 mM	0.3327 mL	1.6634 mL	3.3268 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Captan is a common agricultural fungicide used to control Botrytis, Fusarium, Fusicoccum, Pythium. Captan enhances denitrifying and total culturable bacteria<sup>[1]</sup>.

#### In Vitro

Captan is used as a fungicide could be nullified by detrimental effects on microbial processes having a major influence on plant growth<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. M.VMartínez-Toledo, et al. Effects of the fungicide Captan on some functional groups of soil microflora. Applied Soil Ecology Volume 7, Issue 3, March 1998, Pages 245-255.

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

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