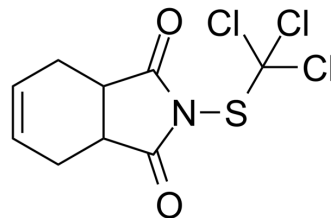


Captan

Cat. No.:	HY-B1584		
CAS No.:	133-06-2		
Molecular Formula:	C ₉ H ₈ Cl ₃ NO ₂ 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^[1].

In Vitro

Captan is used as a fungicide could be nullified by detrimental effects on microbial processes having a major influence on plant growth^[1].
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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA