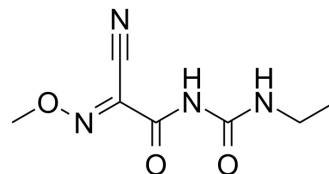


## Cymoxanil

Cat. No.:	HY-B2067
CAS No.:	57966-95-7
Molecular Formula:	C <sub>7</sub> H <sub>10</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	198.18
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (504.59 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.0459 mL	25.2296 mL	50.4592 mL
		5 mM	1.0092 mL	5.0459 mL	10.0918 mL
		10 mM	0.5046 mL	2.5230 mL	5.0459 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Cymoxanil is a fungicide against plant diseases caused by fungi belonging to the Perenosporales <sup>[1]</sup> .
IC <sub>50</sub> & Target	Fungal <sup>[1]</sup>

### REFERENCES

[1]. Frederique Tellier, et al. Characterization of Metabolites of Fungicidal Cymoxanil in a Sensitive Strain of Botrytis Cinerea. J Agric Food Chem. 2008 Sep 10;56(17):8050-7.

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

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