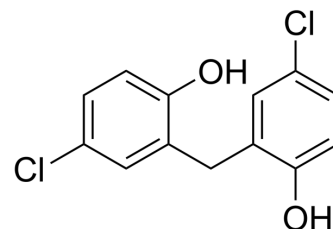


## Dichlorophen

<b>Cat. No.:</b>	HY-12638		
<b>CAS No.:</b>	97-23-4		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	269.12		
<b>Target:</b>	Parasite; Bacterial; Fungal		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (371.58 mM)  
 H<sub>2</sub>O : < 0.1 mg/mL (insoluble)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7158 mL	18.5791 mL	37.1581 mL
	5 mM	0.7432 mL	3.7158 mL	7.4316 mL
	10 mM	0.3716 mL	1.8579 mL	3.7158 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (9.29 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (9.29 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (9.29 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Dichlorophen (DDM) is an anticestodal agent. Dichlorophen is an antimicrobial agent shown to exert activity against cestodes, protozoa, fungi, and bacteria.

### REFERENCES

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

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