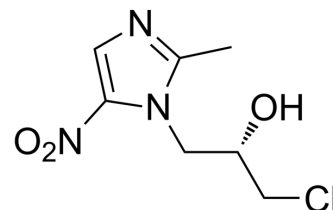


## Ornidazole (Levo-)

<b>Cat. No.:</b>	HY-18715		
<b>CAS No.:</b>	166734-83-4		
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>10</sub> ClN <sub>3</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	219.63		
<b>Target:</b>	Bacterial; Parasite		
<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 (455.31 mM; Need ultrasonic)  
 H<sub>2</sub>O : 6.67 mg/mL (30.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5531 mL	22.7656 mL	45.5311 mL
	5 mM	0.9106 mL	4.5531 mL	9.1062 mL
	10 mM	0.4553 mL	2.2766 mL	4.5531 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 25 mg/mL (113.83 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (11.38 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (11.38 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Ornidazole Levo- is the levo-isomer of Ornidazole. Ornidazole is a 5-nitroimidazole derivative with antiprotozoal and antibacterial properties against anaerobic bacteria. Ornidazole Levo- is the less active isomer.

### REFERENCES

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

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