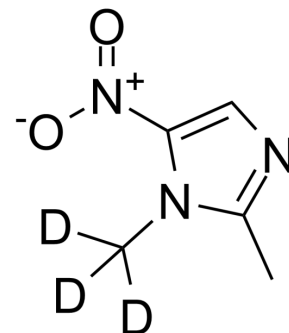


## Dimetridazole-d<sub>3</sub>

<b>Cat. No.:</b>	HY-B1244S		
<b>CAS No.:</b>	64678-69-9		
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>4</sub> D <sub>3</sub> N <sub>3</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	144.15		
<b>Target:</b>	Parasite; Antibiotic		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	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 (346.86 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.9372 mL	34.6861 mL	69.3722 mL
5 mM	1.3874 mL	6.9372 mL	13.8744 mL
10 mM	0.6937 mL	3.4686 mL	6.9372 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Dimetridazole-d<sub>3</sub> is a deuterium labeled Dimetridazole. Dimetridazole, a nitroimidazole-based antibiotic, combats protozoan infections[1].

### REFERENCES

[1]. Zaghdoudi M, et al. Direct and indirect electrochemical reduction prior to a biological treatment for dimetridazole removal. J Hazard Mater. 2017 Aug 5;335:10-17.

**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