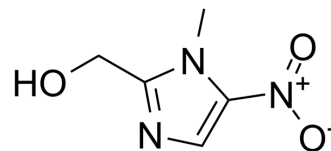


HMMNI

Cat. No.:	HY-W008216		
CAS No.:	936-05-0		
Molecular Formula:	C ₅ H ₇ N ₃ O ₃		
Molecular Weight:	157.13		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 250 mg/mL (1591.04 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.3642 mL	31.8208 mL	63.6416 mL
5 mM	1.2728 mL	6.3642 mL	12.7283 mL
10 mM	0.6364 mL	3.1821 mL	6.3642 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: ≥ 2.08 mg/mL (13.24 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (13.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HMMNI (Hydroxy dimetridazole) is a hydroxy metabolite of Dimetridazole. Dimetridazole is a nitroimidazole class drug that combats protozoan infections^{[1][2]}.

REFERENCES

- [1]. Cronly M, et al. Rapid confirmatory method for the determination of 11 nitroimidazoles in egg using liquid chromatography tandem mass spectrometry. J Chromatogr A. 2009;1216(46):8101-8109.

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