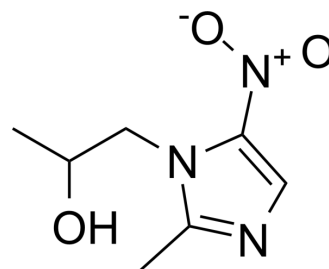


Secnidazole

Cat. No.:	HY-B1118		
CAS No.:	3366-95-8		
Molecular Formula:	C ₇ H ₁₁ N ₃ O ₃		
Molecular Weight:	185.18		
Target:	Parasite; Antibiotic		
Pathway:	Anti-infection		
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 : ≥ 30 mg/mL (162.00 mM)
 H₂O : 25 mg/mL (135.00 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.4002 mL	27.0008 mL	54.0015 mL
	5 mM	1.0800 mL	5.4002 mL	10.8003 mL
	10 mM	0.5400 mL	2.7001 mL	5.4002 mL

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

BIOLOGICAL ACTIVITY

Description

Secnidazole (RP-14539;PM-185184) is an orally active azole antibiotic with a longer half-life than metronidazole (HY-B0318). Secnidazole is against the vaginosis-associated bacteria and has the potential for bacterial vaginosis research^[1].

REFERENCES

[1]. Petrina MAB, et al. Susceptibility of bacterial vaginosis (BV)-associated bacteria to secnidazole compared to metronidazole, tinidazole and clindamycin. *Anaerobe*. 2017 Oct;47:115-119.

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