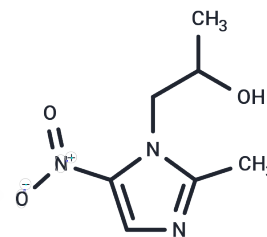


Secnidazole

Chemical Properties

CAS No. :	3366-95-8
Formula:	C7H11N3O3
Molecular Weight:	185.18
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Secnidazole (PM-185184) is a second-generation 5-nitroimidazole antimicrobial that is structurally related to other 5-nitroimidazoles including [DB00916] and [DB00911], but displays improved oral absorption and longer terminal elimination half-life than antimicrobial agents in this class [A27210]. Secnidazole is selective against many anaerobic Gram-positive and Gram-negative bacteria and protozoa.
Targets(IC50)	Antibacterial,Antibiotic,Parasite

Solubility Information

Solubility	H2O: 34 mg/mL (183.61 mM),Sonication is recommended. Ethanol: 35 mg/mL (189.01 mM),Sonication is recommended. DMSO: 60 mg/mL (324.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4002 mL	27.0008 mL	54.0015 mL
5 mM	1.080 mL	5.4002 mL	10.8003 mL
10 mM	0.540 mL	2.7001 mL	5.4002 mL
50 mM	0.108 mL	0.540 mL	1.080 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

De Backer, et al. Clinical Microbiology and Infection 16 (5): 470-472.

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