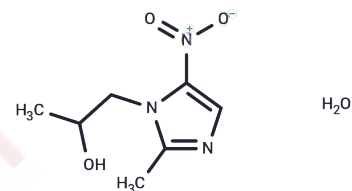


Secnidazole hemihydrate

Chemical Properties

CAS No. :	227622-73-3
Formula:	C7H13N3O4
Molecular Weight:	203.20
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 hemihydrate (RP-14539), an orally ingestible azole derivative antibiotic and imidazole-based <i>Serratia marcescens</i> virulence suppressor, analogously inhibits acylhomoserine lactones, mitigating <i>Pseudomonas aeruginosa</i> pathogenicity through quorum sensing (QS) disruption. This compound exhibits broad-spectrum antimicrobial efficacy against numerous anaerobic Gram-negative and Gram-positive bacteria in vitro. Its therapeutic application spans the study and treatment of ailments including amoebiasis, giardiasis, and bacterial vaginitis [1] [2] [3].
Targets(IC50)	Others,Antibacterial,Antibiotic,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9213 mL	24.6063 mL	49.2126 mL
5 mM	0.9843 mL	4.9213 mL	9.8425 mL
10 mM	0.4921 mL	2.4606 mL	4.9213 mL
50 mM	0.0984 mL	0.4921 mL	0.9843 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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