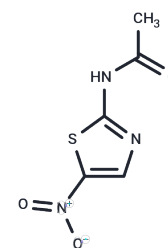


Nithiamide

Chemical Properties

CAS No. :	140-40-9
Formula:	C ₅ H ₅ N ₃ O ₃ S
Molecular Weight:	187.18
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Nithiamide (CL-5279) is an orally available antiprotozoan agent used in the treatment of vaginal trichomoniasis.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	For both sensitive and metronidazole-resistant strains of <i>Trichomonas vaginalis</i> , Nithiamide showed sustained potent activity under both aerobic and anaerobic conditions.

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 35 mg/mL (186.99 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	5.3425 mL	26.7123 mL	53.4245 mL
5 mM	1.0685 mL	5.3425 mL	10.6849 mL
10 mM	0.5342 mL	2.6712 mL	5.3425 mL
50 mM	0.1068 mL	0.5342 mL	1.0685 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.

Reference

- Layton HW, et al. Am J Vet Res, 1977, 38(5), 627-631.
Goodhew EB, et al. Sex Transm Infect, 2013.

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