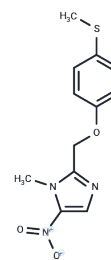


Fexinidazole

Chemical Properties

CAS No. :	59729-37-2
Formula:	C ₁₂ H ₁₃ N ₃ O ₃ S
Molecular Weight:	279.31
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	Fexinidazole (HOE 239) is an antiparasitic agent with activity against <i>Trypanosoma cruzi</i> , <i>Tritrichomonas foetus</i> , <i>Trichomonas vaginalis</i> , <i>Entamoeba histolytica</i> , <i>Trypanosoma brucei</i> , and <i>Leishmania donovani</i> . The biologically relevant active metabolites in vivo are the sulfoxide and sulfone.
Targets(IC50)	Parasite
Kinase Assay	Promoter-luciferase reporter assay: A 2,767-bp sequence of human survivin gene promoter is isolated from human genomic DNA by PCR using Pyrobest polymerase and the following primers: 5

Solubility Information

Solubility	DMSO: 100 mg/mL (358.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.16 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5803 mL	17.9013 mL	35.8025 mL
5 mM	0.7161 mL	3.5803 mL	7.1605 mL
10 mM	0.358 mL	1.7901 mL	3.5803 mL
50 mM	0.0716 mL	0.358 mL	0.7161 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

Raether W, Seidenath H. Ann Trop Med Parasitol. 1983 Feb;77(1):13-26.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481