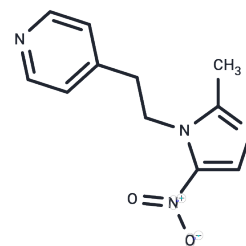


Panidazole

Chemical Properties

CAS No. :	13752-33-5
Formula:	C ₁₁ H ₁₂ N ₄ O ₂
Molecular Weight:	232.24
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	Panidazole is an amoebicide.
Targets(IC50)	Others,Parasite
In vivo	panidazole ?in concentrations of 0.02--1 mM per liter increased the mutation frequency of Klebsiella pneumoniae.?Escherichia coli K12 and Citrobacter freundii to streptomycin resistance, including streptomycin dependence, in Luria and Delbrück's fluctuation test.? At low concentration (0.1 mM), the increase of the mutation frequency caused by each compound was nearly the same, i.e. 3--4 times the spontaneous mutation frequency.

Solubility Information

Solubility	DMSO: 125 mg/mL (538.24 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: 3.3 mg/mL (14.21 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	4.3059 mL	21.5295 mL	43.0589 mL
5 mM	0.8612 mL	4.3059 mL	8.6118 mL
10 mM	0.4306 mL	2.1529 mL	4.3059 mL
50 mM	0.0861 mL	0.4306 mL	0.8612 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

Voogd CE, et al. The mutagenic action of nitroimidazoles. II. Tinidazole, ipronidazole, panidazole and ornidazole. *Mutat Res.* 1977 Apr;48(2):155-61.

Botero D, et al. Treatment of intestinal amoebiasis and vaginal trichomoniasis with panidazole and its comparison with metronidazole. *Trans R Soc Trop Med Hyg.* 1977;71(6):508-11.

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