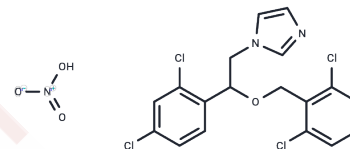


Isoconazole nitrate

Chemical Properties

CAS No. : 24168-96-5
 Formula: C₁₈H₁₄Cl₄N₂O·HNO₃
 Molecular Weight: 479.14
 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	Isoconazole nitrate (Fazol) (Travogon) is an azole antifungal reagent.
Targets(IC50)	Antibacterial,Antibiotic,Antifungal

Solubility Information

Solubility	DMSO: 257.5 mg/mL (537.42 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 4 mg/mL (8.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (20.87 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.17 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	2.0871 mL	10.4354 mL	20.8707 mL
5 mM	0.4174 mL	2.0871 mL	4.1741 mL
10 mM	0.2087 mL	1.0435 mL	2.0871 mL
50 mM	0.0417 mL	0.2087 mL	0.4174 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

Veraldi S. Mycoses. 2013 May;56 Suppl 1:41-3.

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