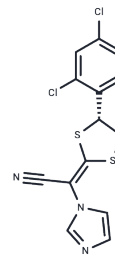


Luliconazole

Chemical Properties

CAS No. :	187164-19-8
Formula:	C ₁₄ H ₉ Cl ₂ N ₃ S ₂
Molecular Weight:	354.28
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Luliconazole (NND 502) is an Azole Antifungal. The mechanism of action of luliconazole is as a Cytochrome P450 2C19 Inhibitor.
Targets(IC50)	Antibiotic, Antifungal
In vitro	Luliconazole inhibits the growth of all filamentous fungi (except <i>Saccharomyces cerevisiae</i>) (MIC, \leq 0.004-0.125 μ g/ml), <i>Candida albicans</i> (MIC range: 0.031-0.13 mg/ml), <i>Trichophyton rubrum</i> (MIC, \leq 0.00012-0.002 mg/ml).
In vivo	Luliconazole inhibits the growth of all filamentous fungi (except <i>Saccharomyces cerevisiae</i>) (MIC, \leq 0.004-0.125 μ g/ml), <i>Candida albicans</i> (MIC range: 0.031-0.13 mg/ml), <i>Trichophyton rubrum</i> (MIC, \leq 0.00012-0.002 mg/ml).

Solubility Information

Solubility	DMSO: 166.67 mg/mL (470.45 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 5 mg/mL (14.11 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 (5.65 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	2.8226 mL	14.1131 mL	28.2263 mL
5 mM	0.5645 mL	2.8226 mL	5.6453 mL
10 mM	0.2823 mL	1.4113 mL	2.8226 mL
50 mM	0.0565 mL	0.2823 mL	0.5645 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

Uchida K, et al. J Infect Chemother, 2004, 10(4), 216-219.

Koga H, et al. Med Mycol, 2009, 47(6), 640-647.

Ghannoum MA, et al. Med Mycol, 2010, 48(3), 491-497.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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