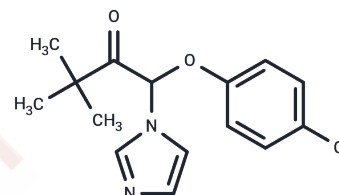


Climbazole

Chemical Properties

CAS No. :	38083-17-9
Formula:	C ₁₅ H ₁₇ ClN ₂ O ₂
Molecular Weight:	292.76
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	Climbazole (BAY-e 6975) is a broad-spectrum imidazole antifungal agent with anti-dandruff properties.
Targets(IC50)	Antibiotic,Antifungal
In vitro	The MICs of Climbazole ranged from <0.06 to 1 µg/mL, with a median value of 0.06 µg/mL. Climbazole showed high in vitro and in vivo efficacy against Pityrosporum ovale, which may be a major cause of dandruff.
In vivo	The MICs of Climbazole ranged from <0.06 to 1 µg/mL, with a median value of 0.06 µg/mL. Climbazole showed high in vitro and in vivo efficacy against Pityrosporum ovale, which may be a major cause of dandruff.

Solubility Information

Solubility	Ethanol: 55 mg/mL (187.87 mM),Sonication is recommended. DMSO: 50 mg/mL (170.79 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 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 (6.83 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	3.4158 mL	17.0788 mL	34.1577 mL
5 mM	0.6832 mL	3.4158 mL	6.8315 mL
10 mM	0.3416 mL	1.7079 mL	3.4158 mL
50 mM	0.0683 mL	0.3416 mL	0.6832 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

A. Schmidt, J. Vet. Med, 1997, B44, 193-197.

Pérez-Rivera AA, et al. Mutat Res. 2009 Jan;672(1):27-39.

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