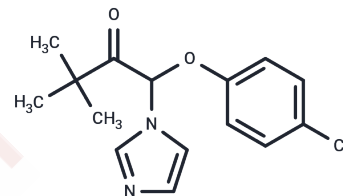


Climbazole

Chemical Properties

CAS No. :	38083-17-9
Formula:	C ₁₅ H ₁₇ ClN ₂ O ₂
Molecular Weight:	292.76
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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)
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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.

Reference

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

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

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