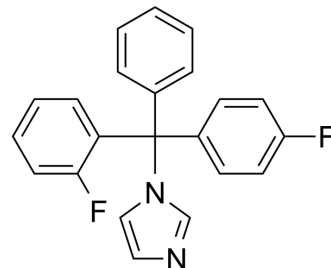


Flutrimazole

Cat. No.:	HY-129060		
CAS No.:	119006-77-8		
Molecular Formula:	C ₂₂ H ₁₆ F ₂ N ₂		
Molecular Weight:	346.37		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (288.71 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8871 mL	14.4354 mL	28.8709 mL
	5 mM	0.5774 mL	2.8871 mL	5.7742 mL
	10 mM	0.2887 mL	1.4435 mL	2.8871 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Flutrimazole is an imidazole antifungal with dual anti-inflammatory and antifungal activity. Flutrimazole shows scarce transdermal penetration. Flutrimazole has the advantageous in the research of topical fungal infections with an inflammatory component^[1].

REFERENCES

[1]. Merlos M, et al. Topical anti-inflammatory properties of flutrimazole, a new imidazole antifungal agent. *Inflamm Res.* 1996;45(1):20-25.

[2]. Ramis J, et al. Influence of formulation on the in vitro transdermal penetration of flutrimazole. *Arzneimittelforschung.* 1997;47(10):1139-1144.

Caution: Product has not been fully validated for medical applications. For research use only.

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