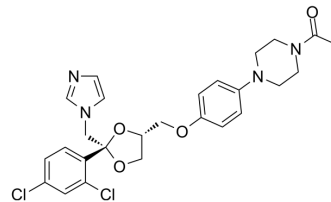


(-)-Ketoconazole

Cat. No.:	HY-B0105B		
CAS No.:	142128-57-2		
Molecular Formula:	C ₂₆ H ₂₈ Cl ₂ N ₄ O ₄		
Molecular Weight:	531.43		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (62.72 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8817 mL	9.4086 mL	18.8172 mL
	5 mM	0.3763 mL	1.8817 mL	3.7634 mL
	10 mM	0.1882 mL	0.9409 mL	1.8817 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 (4.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(-)-Ketoconazole ((-)-R 41400) is one of the enantiomer of Ketoconazole. Ketoconazole is a racemic mixture of two enantiomers, levoketoconazole ((2S,4R)-(-)-ketoconazole) and dextroketoconazole ((2R,4S)-(+)-ketoconazole).

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

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