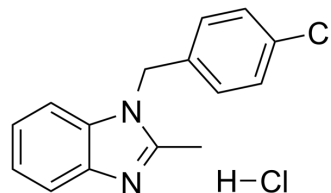


Chlormidazole hydrochloride

Cat. No.:	HY-B1144A
CAS No.:	74298-63-8
Molecular Formula:	C ₁₅ H ₁₄ Cl ₂ N ₂
Molecular Weight:	293.19
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (213.17 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.4108 mL	17.0538 mL	34.1076 mL
		5 mM	0.6822 mL	3.4108 mL	6.8215 mL
	10 mM	0.3411 mL	1.7054 mL	3.4108 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.09 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.09 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.09 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Chlormidazole hydrochloride is an antifungal agent and has inhibitory activity against many fungi and some gram-positive cocci. Chlormidazole hydrochloride can be applied in fungal and bacterial infections of nails and skin, including interdigital and periungual mycoses ^[1] .
IC ₅₀ & Target	IC50: fungal ^[1]

REFERENCES

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

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