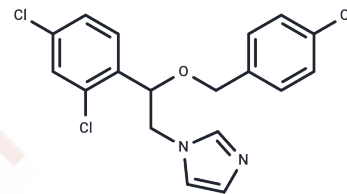


## Econazole

## Chemical Properties

CAS No. :	27220-47-9
Formula:	C <sub>18</sub> H <sub>15</sub> Cl <sub>3</sub> N <sub>2</sub> O
Molecular Weight:	381.68
Appearance:	no data available
Storage:	keep away from moisture
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Econazole ((±)-Econazol) is an imidazole derivative that is commonly used as a topical antifungal agent.
Targets(IC50)	Antibiotic,Antifection,Antifungal

## Solubility Information

Solubility	DMSO: 60 mg/mL (157.2 mM),Sonication is recommended. Ethanol: 5 mg/mL (13.1 mM),Sonication is recommended. H2O: < 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	2.620 mL	13.100 mL	26.200 mL
5 mM	0.524 mL	2.620 mL	5.240 mL
10 mM	0.262 mL	1.310 mL	2.620 mL
50 mM	0.0524 mL	0.262 mL	0.524 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

Ge S, et al. Int J Pharm. 2014 Apr 25; 465(1-2):120-31.

Ren L, Li W, Zheng X, et al. Benzimidazoles induce concurrent apoptosis and pyroptosis of human glioblastoma cells via arresting cell cycle. Acta Pharmacologica Sinica. 2021: 1-15.

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