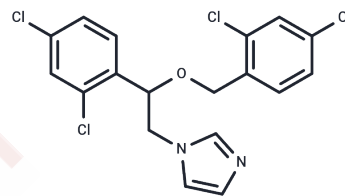


## Miconazole

## Chemical Properties

CAS No. :	22916-47-8
Formula:	C <sub>18</sub> H <sub>14</sub> Cl <sub>4</sub> N <sub>2</sub> O
Molecular Weight:	416.13
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Miconazole (R18134) is an imidazole antifungal agent used both topically and via intravenous infusion.
Targets(IC50)	NOS,Antibacterial,Antibiotic,Antifection,Antifungal,Potassium Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (120.15 mM),Sonication is recommended. Ethanol: 77 mg/mL (185.04 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	2.4031 mL	12.0155 mL	24.031 mL
5 mM	0.4806 mL	2.4031 mL	4.8062 mL
10 mM	0.2403 mL	1.2015 mL	2.4031 mL
50 mM	0.0481 mL	0.2403 mL	0.4806 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

White TC, et al. Clin Microbiol Rev. 1998 Apr;11(2):382-402.

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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