

# Miconazole

**Catalog No: tcsc2565**



## Available Sizes

**Size:** 1g

**Size:** 5g



## Specifications

**CAS No:**

22916-47-8

**Formula:**

$C_{18}H_{14}Cl_4N_2O$

**Pathway:**

Anti-infection

**Target:**

Fungal

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

R18134

**Observed Molecular Weight:**

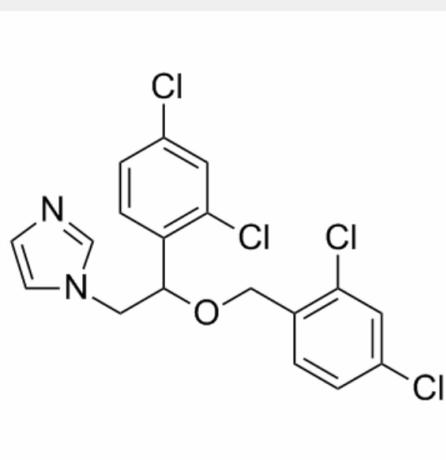
416.13

## Product Description

Miconazole (Monistat) is an imidazole antifungal agent.

Target: Antifungal

Miconazole is an imidazole antifungal agent, developed by Janssen Pharmaceutica, commonly applied topically to the skin or to mucous membranes to cure fungal infections. It works by inhibiting the synthesis of ergosterol, a critical component of fungal cell membranes. It can also be used against certain species of Leishmania protozoa which are a type of unicellular parasite that also contain ergosterol in their cell membranes. In addition to its antifungal and antiparasitic actions, it also has some antibacterial properties. Miconazole is also used in Ektachrome film developing in the final rinse of the Kodak E-6 process and similar Fuji CR-56 process, replacing formaldehyde. Fuji Hunt also includes miconazole as a final rinse additive in their formulation of the C-41RA rapid access color negative developing process. From Wikipedia.



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