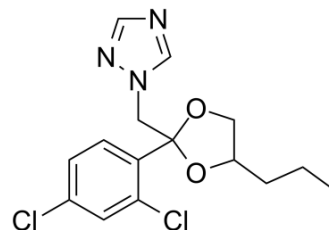


## Propiconazole

Cat. No.:	HY-B0847
CAS No.:	60207-90-1
Molecular Formula:	C <sub>15</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	342.22
Target:	Fungal; Reactive Oxygen Species
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Propiconazole is a broad-spectrum triazole fungicide that inhibits the conversion of lanosterol to ergosterol, leading to fungal cell membrane disruption. Propiconazole inhibits *S. cerevisiae*, but not rat liver, microsomal cytochrome P450 (IC<sub>50</sub>s = 0.04 μM and >200 μM, respectively). Propiconazole inhibits the growth of *T. deformans* and *R. stolonifer* (ED<sub>50</sub>s = 0.073 μg/mL and 4.6 μg/mL respectively). Propiconazole increases production of reactive oxygen species (ROS).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA