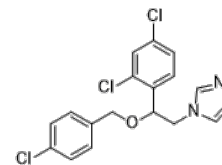


Product Name : Econazole
Cat. No. : PC-27955
CAS No. : 27220-47-9
Molecular Formula : C₁₈H₁₅Cl₃N₂O
Molecular Weight : 381.68
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Econazole is an imidazole derivative broad-spectrum antifungal agent, inhibits lanosterol 14 α -demethylase, a key enzyme in the ergosterol synthesis pathway, also is a Ca²⁺ channel antagonist, induces cytotoxicity in leukemia cells, induces p53-dependent apoptosis and decreases metastasis ability in gastric cancer cells.

References

Thienpont D, et al. Arzneimittelforschung. 1975 Feb;25(2):224-30.

Heel RC, et al. Drugs. 1978 Sep;16(3):177-201.

Choi EK, et al. Biomol Ther (Seoul). 2020 Jul 1;28(4):370-379.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com