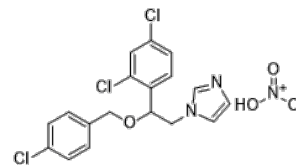


Product Name : Econazole nitrate
Cat. No. : PC-27956
CAS No. : 24169-02-6
Molecular Formula : C₁₈H₁₆Cl₃N₃O₄
Molecular Weight : 444.69
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Econazole nitrate 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!

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