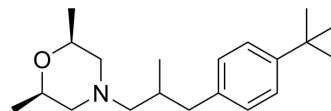


Fenpropimorph

Cat. No.:	HY-128033
CAS No.:	67564-91-4
Molecular Formula:	C ₂₀ H ₃₃ NO
Molecular Weight:	303.48
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Fenpropimorph is a fungicide that inhibits the sterol pathway. Fenpropimorph inhibits $\delta 8$ - $\delta 7$ -sterol isomerase in yeast at low concentrations, with $\delta 14$ -sterol reductase being blocked at higher levels, preventing the biosynthesis of ergosterol. Fenpropimorph also inhibits sterol synthesis in certain plants and mammalian cells^{[1][2][3]}.

REFERENCES

- [1]. Costet MF, et al. Ecdysteroid biosynthesis and embryonic development are disturbed in insects (*Locusta migratoria*) reared on plant diet (*Triticum sativum*) with a selectively modified sterol profile. *Proc Natl Acad Sci U S A*. 1987;84(3):643-647.
- [2]. Marcireau C, et al. In vivo effects of fenpropimorph on the yeast *Saccharomyces cerevisiae* and determination of the molecular basis of the antifungal property. *Antimicrob Agents Chemother*. 1990;34(6):989-993.
- [3]. Corio-Costet MF, et al. Inhibition by the fungicide fenpropimorph of cholesterol biosynthesis in 3T3 fibroblasts. *Biochem J*. 1988;256(3):829-834.

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