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Fluconazole

National Cancer Institute

Source

National Cancer Institute. *Fluconazole*. NCI Thesaurus. Code C500.

A synthetic triazole with antifungal activity. Fluconazole preferentially inhibits fungal cytochrome P-450 sterol C-14 alpha-demethylation, resulting in the accumulation of fungal 14 alpha-methyl sterols, the loss of normal fungal sterols, and fungistatic activity. Mammalian cell demethylation is much less sensitive to fluconazole inhibition.