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# Clotrimazole

National Cancer Institute

## Source

National Cancer Institute. *Clotrimazole*. NCI Thesaurus. Code C381.

A synthetic, imidazole derivate with broad-spectrum, antifungal activity. Clotrimazole inhibits biosynthesis of sterols, particularly ergosterol, an essential component of the fungal cell membrane, thereby damaging and affecting the permeability of the cell membrane. This results in leakage and loss of essential intracellular compounds, and eventually causes cell lysis.