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Sertaconazole Nitrate

National Cancer Institute

Source

National Cancer Institute. *Sertaconazole Nitrate*. NCI Thesaurus. Code C47716.

The nitrate salt form of sertaconazole, a synthetic imidazole derivative with antifungal property. Sertaconazole nitrate inhibits fungal cytochrome P-450 sterol C-14 alpha-demethylation, resulting in the accumulation of fungal 14 alpha-methyl sterols and the inhibition of ergosterol synthesis, an essential component of the cell membrane of fungi. This leads to a disruption of cell membrane permeability and leakage of adenine triphosphate (ATP) and other constituents from fungal cells.