

pyrazine derivatives

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**Synthesis of Benzothiophene Analogues of Ketoconazole and Itraconazole.** — Benzothiophene analogues (VII) and (XV) of the orally active antifungal title agents are synthesized and subjected to preliminary pharmacological evaluation. The key heterocyclic system (III) is prepared by formation of the enamine between benzothiophene (I) and piperazine (II). — (BOLOS, J.; GUBERT, S.; ANGLADA, L.; SACRISTAN, A.; ORTIZ, J. A.; J. Heterocycl. Chem. 34 (1997) 6, 1709-1713; Dep. Med. Chem., Cent. Invest. Grupo Ferrer, E-08028 Barcelona, Spain; EN)

