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"Synthesis and antifungal activity of some new 1,2,4-Triazolo [3,4-b] [1,3,4] Thiadiazines "

"Foroumadi AR, Mirzaei M, Emami S, Salari P, Ghaffari F, Amini M, Shafiei A "

Abstract:

A new series of 5-aryl - 3 - (2 - furyl) - (7H) - s - triazolo [3, 4 - b] [1 , 3 , 4] thiadiazines were prepared by the reaction of 4-amino - 5 - (2 - furyl) - 2 , 4 - dihydro - 3H - 1 , 2 , 4 - triazole - 3 - thione with α - halocarbonyl compounds in refluxing ethanolic potassium hydroxid. The compounds were tested against a variety of fungal strains in comparison to clotrimazole. Some compounds exhibited moderate activity against candida albicans and some of the fungi.

Keywords:

1,2,4-Triazolo [3,4-b] [1,3,4] thiadiazine . Heterocycles . Fungicides

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