



Synthesis and antifungal evaluation of thiazolo[3,2-a]pyrimidine derivatives

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ABSTRACT

Heterocyclic compounds having nitrogen and sulfur in their skeleton are the most fascinated compounds, prepared by scientists, due to their diverse biological activities. Literature study reveals that, among the various heterocyclic compounds, pyrimidines along with thiazole moiety proves to be biologically very active substrates. Keeping this in view, a series of new thiazolo-pyrimidine derivatives were prepared through multi-component reaction of aromatic aldehydes, ethyl acetoacetate and 4-(4-bromophenyl)-1,3-thiazol-2-amine. The structure of the prepared compounds was elucidated through melting points, IR and PMR spectroscopy. Some of the compounds were tested for antifungal activities.

Keywords: Heterocyclic compounds, thiazolo-pyrimidine derivatives, Antifungal activities.
