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Synthesis and Biological Activity Studies of Novel Arylazo Pyrazole Derivatives

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ABSTRACT

A series of novel 3,5-dimethyl arylazo pyrazoles (3a-i) were synthesized by reacting various oxybutyrates with methyl paraben (1) in glacial acetic acid medium. The key intermediate oxybutyrates (2a-i) were prepared from substituted phenyl diazonium salts and acetyl acetone in alcohol medium. The structures of the synthesized compounds have been established on the basis of spectral data (IR, ¹H-NMR, Mass). The antibacterial and antifungal activity of the compounds has also been evaluated. Few of them have shown significant antifungal activity when compared to standard Flucanazole.

Keywords: Pyrazole, Arylazo, Antimicrobial, Antifungal.

The Editorial office of the Der Pharma Chemica Journal has accepted the article entitled “**Synthesis and Biological Activity Studies of Novel Arylazo Pyrazole Derivatives**” for publication by taking into consideration the statements provided in the article as personal opinion of the author which was found not having any biasness or conflicts towards anything. Since, the article is the perspective one, information provided by the author was considered as an opinion to be expressed through publication.

But post publication we were requested by the author to retract the paper because of his personal reasons regarding the further more work that needs to be carried out.

Publisher took decision to make the article online solely based on the reviewers suggestion which considered the article not but a personal opinion of the author.

RETRACTED