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An Insight into the Pharmacological Potency of Novel Benzothiophene Derivatives

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ABSTRACT

*A series of significant compounds containing pyrazole and pyrazolone substituted benzo[*b*]thiophene derivatives **2a-f** and **3a-f** have been synthesized from 2-bromobenzonitrile and methyl thioglycolate. The structure of newly synthesized compounds have been characterized by elemental analysis and spectral data. Some of the synthesized compounds have been found to exhibit better antibacterial and anti fungal activity.*

Keywords: Benzo[*b*]thiophene derivatives, Pyrazolone, Pyrazole, Antifungal, Anti-microbial.
