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Synthesis of Acetophenone Chalcone Derivatives And their Antibacterial Activity

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ABSTRACT

Chalcones[1] are the important constituent of many natural sources and have variety of biological activities. The compounds are synthesized by Claisen- Schmidt base catalyzed condensation of acetophenone with aldehyde. The structures of the synthesized compounds were confirmed by IR, 1H NMR spectroscopic data. The antimicrobial activities of these compounds were evaluated by filter paper disc diffusion method.

Keywords: Chalcones, Thiazines, Oxazines, Acetophenone, Aldehyde.
