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SYNTHESIS AND BIOLOGICAL ACTIVITIES OF SOME FLAVONES

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Chalcones are synthesized by a base catalyzed Claisen Schmidt condensation reaction and then treated with dimethylsulphoxide in presence of iodine to get flavones. The synthesized compounds were evaluated for their antibacterial activity *against Escherichia coil, P. aeruginosa, S. epidermidis and B. subtilis*. All the flavones showed moderate to good activity. The structures of these compounds were confirmed by IR, UV, ¹H NMR, Mass and elemental analysis.