



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.7,pp 135-137,2017

Green synthesis and antimicrobial activity of some new phenothiazine chalcones

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Abstract:A new series of PhenothiazineChalcones (3a-f) were synthesized under microwave irradiation in alcoholic KOH.The structures of these compounds were confirmed by IR, ¹H NMR, Mass and elemental analysis. The newly synthesized compounds were evaluated for antimicrobial activity.

Key word:Phenothiazine, Chalcones, Microwave synthesis, Biological activity.

Tanaji N. Bansode /International Journal of ChemTech Research, 2017,10(7): 135-137.
