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(57) Abstract :

Substituted phenoxy phenylethylidene derivatives of Formula I or its pharmaceutically acceptable salt (HG-1 to HG-4) were obtained and screened for antimicrobial activity. The structures of these compounds were established on the basis of M.P, TLC, IR, ¹H-NMR spectral analysis. The target compounds were found to be tested against Bacillus Subtilis (Gram positive), E.Coli (Gram negative) bacteria and Candida albicans, when compared with the reference drugs ampicillin and clotrimazole. Among the compounds tested, (HG-4) showed maximum zone of inhibition 20 mm against B.subtilis.

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