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Synthesis and Antimicrobial Activity of Novel Benzohydrazide Derivatives of 2,4-Dichlorobenzoic acid

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ABSTRACT

The present paper describes the synthesis and antibacterial activity of new benzohydrazide derivatives derived from 2,4-dichlorobenzoic acid and using certain heterocyclic aldehydes. The newly synthesized benzohydrazide 4a – 4g were screened against four bacterial strains viz., Escherichia coli, Pseudomonas aeruginosa, Staphylococcus aureus, Staphylococcus pyogenes. Results of the antibacterial data revealed that compounds 4d, 4e, 4f and 4g exhibited good antibacterial activity with reference to the standard drug.

Keywords: 2,4-dichlorobenzoic acid, Antibacterial Activity, Benzohydrazide, Gram-positive bacteria, Synthesis
