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Synthesis and Antimicrobial Evaluation of Some Novel Hydrazone Derivatives of 2,5-Diflurobenzoic acid

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ABSTRACT

Therapeutic eminence of the hydrazide-hydrazone derivatives has been well recognized, in addition, hydrazide-hydrazones were reported to bring forth anticancer, anti-HIV properties and hence they have gained an imperative place in medicinal chemistry. Encouraged by these observations and in continuation of our research on novel hydrazone derivatives derived from 2,5-Difluorobenzoic acid, we intended to synthesize a series of new hydrazide derivatives with the aim of attaining promising antimicrobial compounds to improve actual antimicrobial treatments.

Keywords: Antibacterial Activity, Benzaldehydes, 2,5-Difluorobenzoic acid, Hydrazones.