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Synthesis and antimicrobial activity of new substituted 1,3,5-triazine derivatives

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Abstract : A series of di- and tri-substituted 1,3,5-triazine derivatives has been synthesized from the reaction of 2,4-dichloro-6-(trityloxy)-1,3,5-triazine with some cyclic secondary amines as morpholine, piperidine and piperazine in the presence of anhydrous potassium carbonate by nuclophilic substitution reaction. The reaction of 2,4-dichloro-6-(trityloxy)-1,3,5-triazine with 2-aminothiazole, 2-aminobenzo-thiazole, hydrazine hydrate, were also studied. The structures of the new products were characterized by common analytical and spectroscopic methods. The antimicrobial activity of prepared compounds against gram positive bacteria *Staphylococcus aureus* and *Candida albicans* were investigated.
Keywords: Synthesis, Triazine derivatives, 2-Aminothiazole, 2-Aminobenzothiazole, Secondary amines, Hydrazine hydrate, **A**ntimicrobial activities.

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