Synthesis and Antibacterial Activity of Some 2,4,6-trisubstituted-1,3,5-triazines

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SUMMARY. A series of 2,4-bis(substitutedphenyl)-6-(4-(4-substitutedphenyl)thiazol-2-y1)-1,3,5-triazine-2,4,6-triamine were synthesised, characterised by FT-IR, 1H NMR, 13C NMR, mass and elemental analysis and evaluated for in vitro antibacterial activity against three gram positive and gram negative bacteria by disk diffusion test and agar dilution technique with reference to streptomycin as standard. The antibacterial data revealed that compounds 2,4-bis(substitutedphenyl)-6-(4-(4-nitrophenyl)thiazol-2-y1)-1,3,5-triazine-2,4,6-triamine had significant activity against the tested gram negative organism in reference to standard. However, these were nearly inactive against gram positive organisms.

KEY WORDS: Synthesis, Antibacterial activity, 1,3,5-triazine.

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