Synthesis and Antimicrobial Activity of New Substituted 1,2,4-Triazoles and their Acyclic *C*-Nucleoside Analogues

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A number of new substituted 1,2,4-triazole {[(1,2,4-triazolyl)ethyl]tetrazolyl} derivatives, their sugar hydrazones, and their acyclic *C*-nucleoside analogues were synthesized and tested for their antimicrobial activity against *Bacillus subtilis* (Gram-positive), *Pseudomonas aeruginosa* (Gram-negative), and *Streptomyces* species (Actinomycetes). The synthesized compounds displayed different degrees of antimicrobial activities or inhibitory actions.

Key words: 1,2,4-Triazoles, Sugar Hydrazones, Acyclic Nucleosides