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Antibacterial and Antifungal Activities of α-Aminophosphonate Derivatives

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Abstract: *Synthesized α-aminophosphonate compounds were screened for antibacterial and antifungal activities. Antibacterial activities (Table I) were screened against Escherichia coli, Pseudomonas sps. While screening antibacterial activities, Streptomycin (Strep.) was used as a standard. Antifungal activities (Table II) were screened against Fusariumoxysporum, Macrophoniaphaseolina and Aspergillusflavus. While screening antibacterial activities, Carbendazim (carben.) was used as a standard. Almost all the tested compounds exhibited good to moderate activities against all species of bacteria used in this study.*

Keywords: α-aminophosphonate, antibacterial, antifungal, Streptomycin and Carbendazim

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