Synthesis and Antimicrobial Evaluation of Some Nitro-Mannich Bases Derived from -Nitrostyrene

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The present work focused on exploring the reactivity of -nitrostyrene towards Mannich reaction with different approaches. The synthesized nitro-Mannich bases were tested as antimicrobial agents that showed high activity against both gram positive and gram negative bacteria. ...

Microwave Irradiated Synthesis, Characterization and Evaluation for their Antibacterial and Larvicidal Activities of some Novel Chalcone and Isoxazole Substituted 9-Anilino Acridines

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Introduction: Chalcone, isoxazole and acridines have diverse biological activities. A series of novel chalcone and isoxazole substituted 9-anilinoacridines were synthesized for their antibacterial, larvicidal, activities. Methods: A series of novel chalcone and isoxazole substituted 9-anilinoacridines (3a-h and 4a-h) were synthesized from 9-chloroacridine by microwav...
Structure activity relationship studies of 1,4-benzodiazepines have been discussed especially with their effects as antianxiety and anticonvulsants. The currently available benzodiazepines are associated with various side effects. Nowadays the purpose of these studies is to minimize side effects with these drugs. ...