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Research Article

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

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Author(s): Mardia Telep El-Sayed*, Eman Kishk and El-Sayed Afsah

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. ...

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

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Author(s): R Kalirajan*, S Jubie and B Gowramma

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 ...

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Review Article

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Recent Structure Activity Relationship Studies of 1,4-Benzodiazepines

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Author(s): Noor ul Amin Mohsin and Muhammad Imran Qadir*

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. ...

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