In recent years, robustness and surface engineering of dosage form made improvement in pharmacokinetics with decrease in dose of drug. Specificity with adherence of ligands has now become the reality as surface modification can easily deceive phagocytic system...

Vibrational Characterization and Antioxidant Activity of Newly Synthesized Gallium(III) Complex

The gallium(III) complex of orotic acid (HOA) was synthesized and its structure was determined by means of analytical and spectral analyses. Detailed vibrational analysis of HOA, sodium salt of HOA (NaOA) and Ga(III)-OA systems based on both the calculated and experimental spectra confirmed the suggested metal-ligand binding mode.

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. ...