Recent Advancement and Patents of the Lipid Polymer Hybrid Nanoparticles

Published On: December 31, 2015 | Pages: 025 - 029

Author(s): Naman Krishna Kasera*, Pramod Kumar Sharma and Rahul Gupta

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

Published On: December 30, 2015 | Pages: 017 - 024

Author(s): Irena Kostova*, Venceslava Atanasova, Magdalena Spasova Kondeva-Burdina, Virginia Iordanova Tzankova

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

Published On: December 30, 2015 | Pages: 013 - 016
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**

Published On: August 27, 2015 | Pages: 001 - 007

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...