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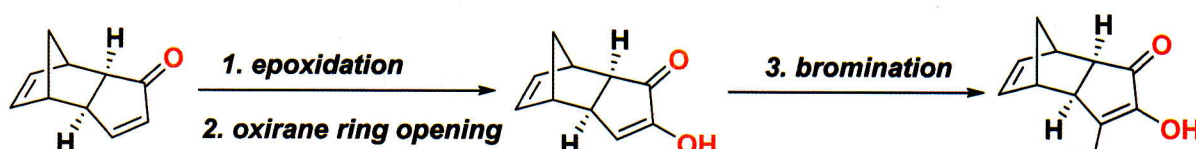
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Papers

- 1127 Synthesis of α -hydroxy, β -bromo-*exo*-dicyclopentadiene-1-one: A new building block for cyclopentanoids

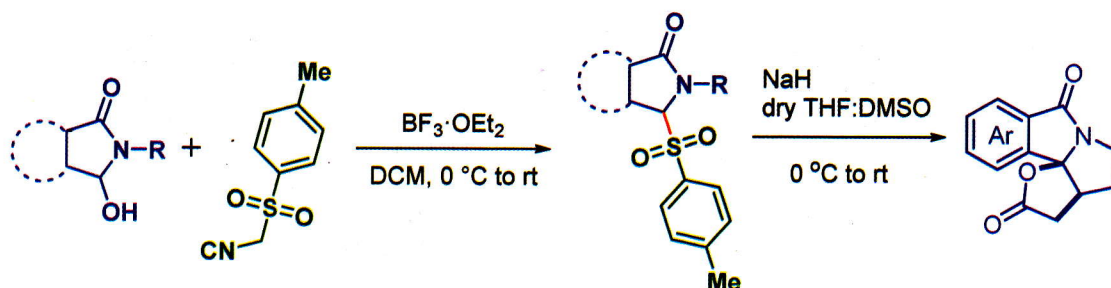


Sambasivarao Kotha* & Ramakrishna Reddy Keesari

Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400 076, India

- 1133 Lewis acid-promoted synthesis of 3-tosylisoindolinone from 3-hydroxyisoindolinone: Access to complex fuopyrroloisoindole-dione

An efficient methodology has been developed for the synthesis of 3-tosylisoindolin-1-one scaffold from hydroxyisoindolinone via N-acyliminium ion intermediate using TosMIC and Lewis acid in good to excellent yields. The protocol has been extended for the synthesis of complex fuopyrroloisoindole-dione derivatives.

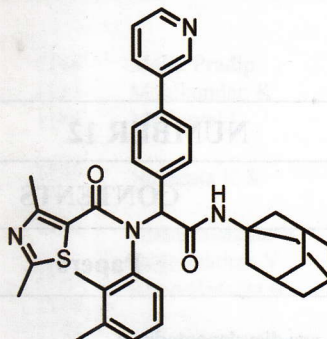


Malay Das, Virendra Kumar, Pallav Jyoti Arandhara, Subhamoy Biswas & Anil K Saikia*

Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati 781 039, India

1144 Antituberculosis activity of α -aminoacyl amide derivatives

The α -aminoacyl amide **19b** shows antituberculosis activity with MIC 2.5 μ M.



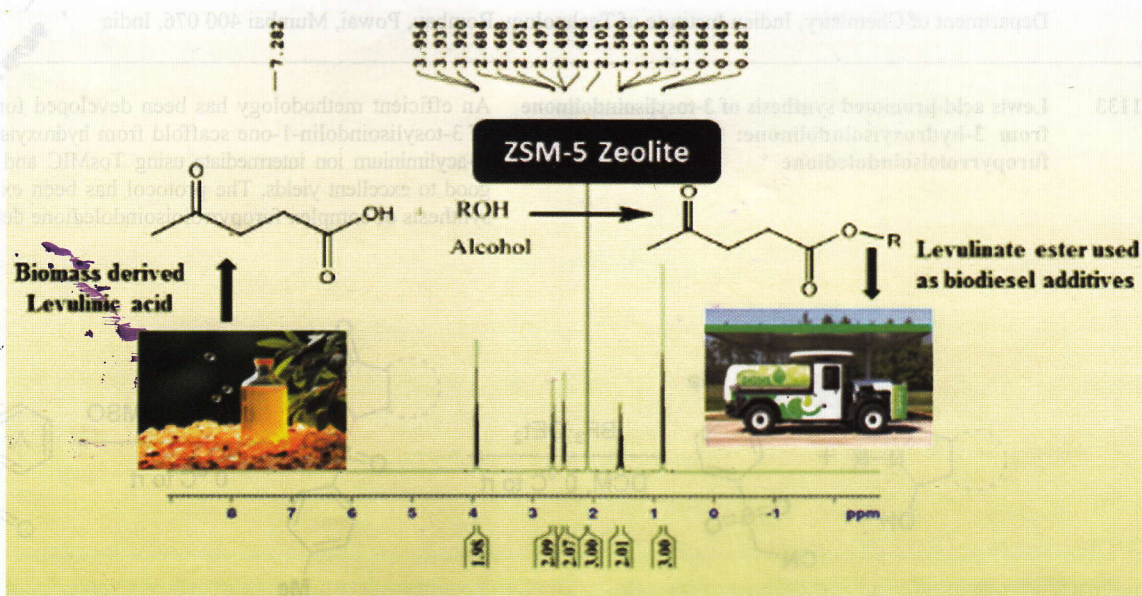
19b

Vitthal B Makane, Akash U Sinde, B Angayarkanni, Pradip Malik, Sidharth Chopra, Vijayan N Azger Dusthacker & Haridas B Rode*

Department of Natural Products and Medicinal Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad 500 007, India

1156 Esterification of levulinic acid with alcohol catalyzed by hierarchically porous ZSM-5 zeolites: A study on catalyst efficiency and product selectivity

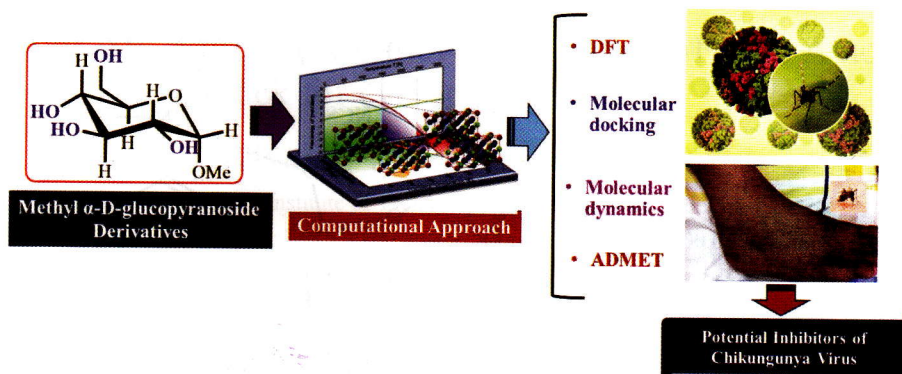
This article evaluates the catalytic performance of ZSM-5 zeolites synthesized using corn stem pith powder as a hard template in the esterification of levulinic acid with 1-propanol and heptanol.



K Manikandan*, A Shalini, K Deepa, G Kaladevi, N Valarmathi, I Muthuvel & G Thirunarayanan

Department of Chemistry, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Ramapuram, Chennai 600 089, Tamil Nadu, India

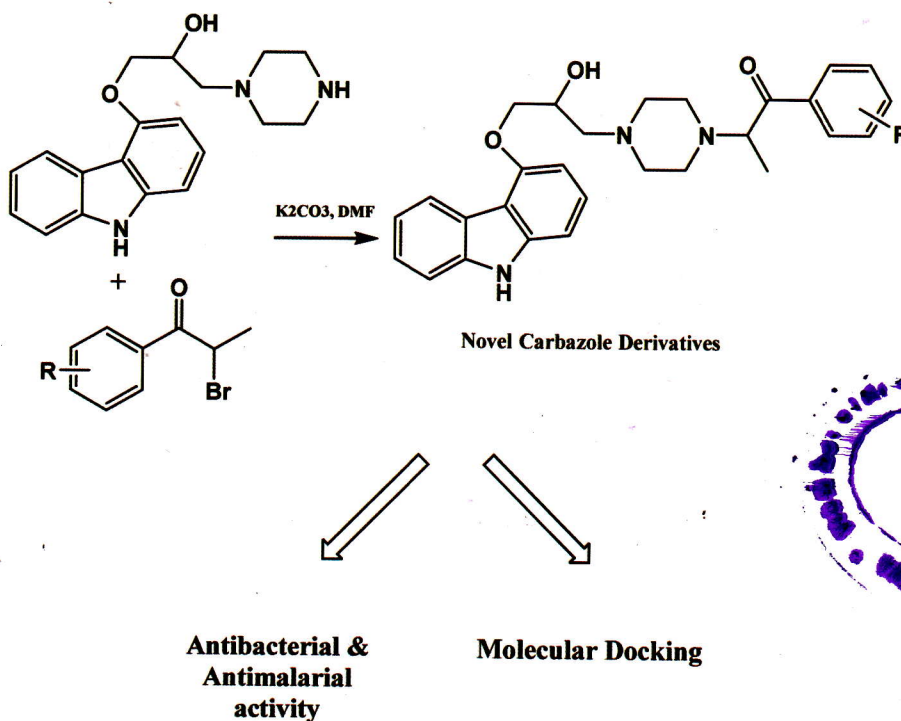
- 1164 Molecular docking, dynamics simulation, DFT, MEP, PASS and ADMET approaches to methyl α -D-glucopyranoside derivatives for potential inhibitors of chikungunya virus



Nazia Islam, Supriyo Saha & Sarkar M A Kawsar*

Laboratory of Carbohydrate and Nucleoside Chemistry (LCNC), Department of Chemistry, Faculty of Science, University of Chittagong, Chittagong-4331, Bangladesh

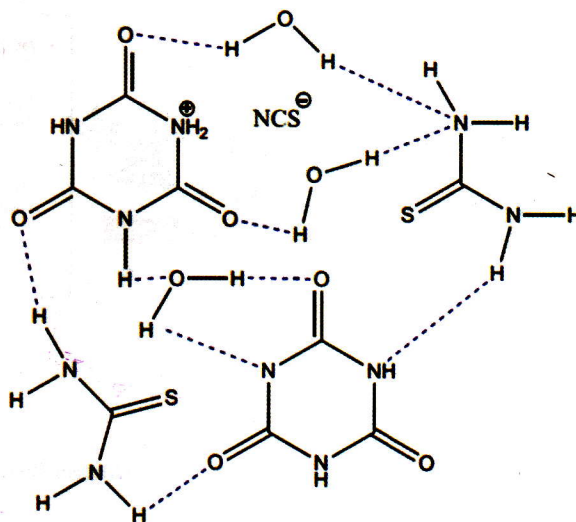
- 1180 Synthesis, antimicrobial and antimalarial activity of novel carbazole derivatives



Piyush Sharma & Tirth H Thaker*

Department of Chemical Science, Parul Institute of Applied Science, Parul University, Vadodara 391 760, Gujarat, India

- 1186 **Supramolecular assembly with hydrogen bonded network solid formed by reaction of cyanuric chloride with thiourea: Spectral and anitmicrobial studies**



K S Nagaraja*, V Radhakrishnan, V Raghunathan & S Arun

Advanced Research Institute (ARI), Dr. MGR Educational and Research Institute,
Maduravoyal, Chennai 600 095, India

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