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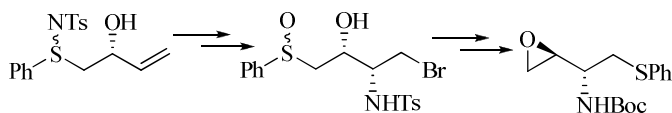
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Papers

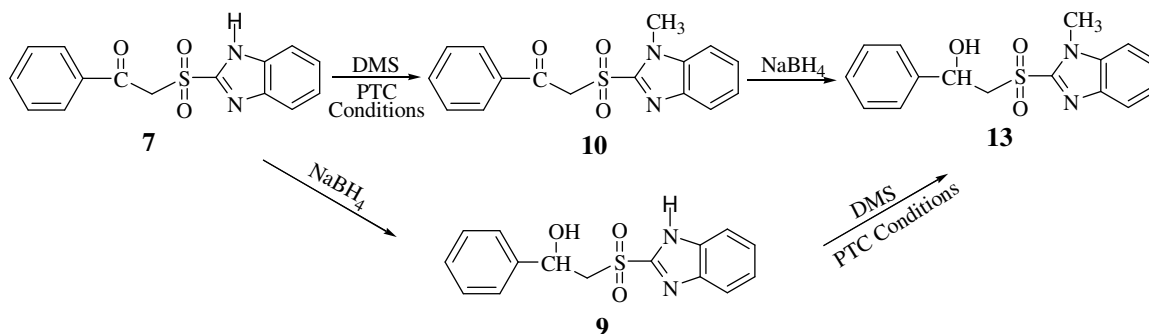
- 821 Stereoselective preparation of a key intermediate toward the synthesis of nelfinavir** A stereoselective synthesis of a key intermediate toward the synthesis of the potent HIV protease inhibitor, nelfinavir is described using an intramolecular sulfilimine as a nucleophile to functionalize an olefin as the key step.



Sadagopan Raghavan* & Ch Naveen Kumar

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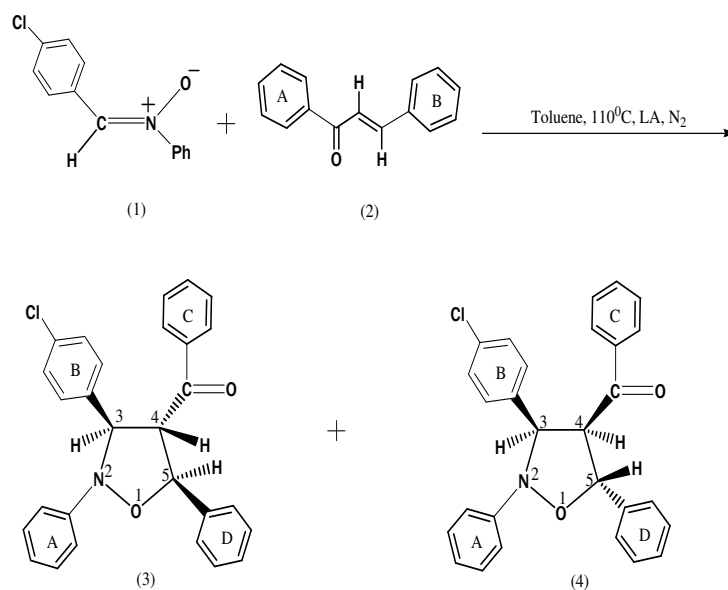
- 829 Synthesis and regiospecific methylation of new benzimidazolyl β -ketosulfones and β -hydroxy-sulfones**



N D Mahesh Kumar* & P K Dubey

Department of Chemistry, Jawaharlal Nehru Technological Hyderabad University, Kukatpally, Hyderabad 500 085, India

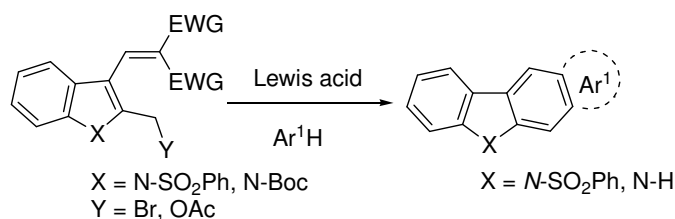
- 835** **1,3-Dipolar cycloadditions. Part XXI: Catalytic effects of Lewis acids on 1,3-dipolar cycloaddition of *C*-(4-chlorophenyl)-*N*-phenyl nitrene to benzylidene acetophenone** Remarkable changes in reaction rate and changes in selectivity of the cycloaddition of **1** to **2** in the presence of metal triflates and magnesium bromide are reported.



Nivedita Acharjee, Avijit Banerji* & Thierry Prangé

Centre of Advanced Studies on Natural Products including Organic Synthesis, Department of Chemistry, University College of Science, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata 700 009, India

- 843** **Studies on Lewis-acid mediated domino reaction of *N*-protected bromomethylindoles with arenes/heteroarenes** Detailed study on Lewis-acid mediated domino reaction of *N*-protected 2/3-bromomethylindoles with arenes and heteroarenes is reported. Two distinct mechanistic pathways for the formation of carbazoles starting from 1-phenylsulfonyl/1-*tert*-butoxycarbonyl bromomethylindoles have been proposed.

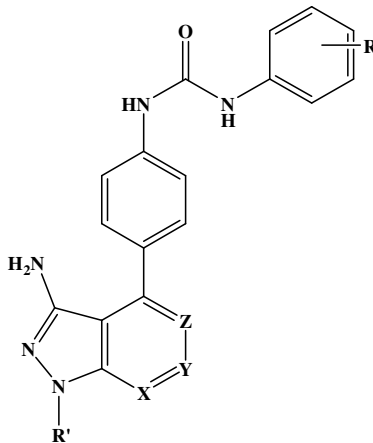


Vasudevan Dhayalan, Radhakrishnan Sureshbabu & Arasambattu K Mohanakrishnan*

Department of Organic Chemistry, University of Madras, Guindy Campus, Chennai 600 025, India

858 Exploring structure indenture of some aminopyrazolopyridine ureas as potent VEGFR/PDGFR multitargeted kinase inhibitors: A QSAR approach

QSAR models have been developed for a series of aminopyrazolopyridine ureas as KDR, VEGFR and PDGFR kinases inhibitors. The study suggests that the KDR inhibitors have significant correlation with hydrophobic, steric (principle moment of inertia of Y-component) and thermodynamic (polar surface area and bend energy) properties of the molecule.



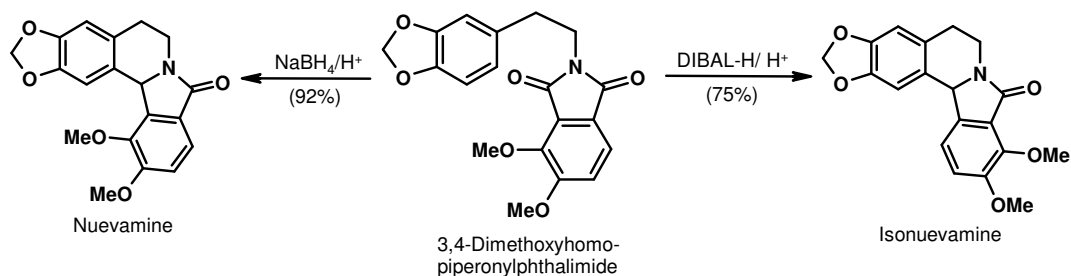
Vivek K Vyas*, Garvita Joshi, Basant Namdeo & Arpit Gupta

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Notes

868 Regioselective NaBH₄ and DIBAL-H reductions of 3,4-dimethoxyhomopiperonylphthalimide: Concise and efficient synthesis of nuevamine and isonuevamine

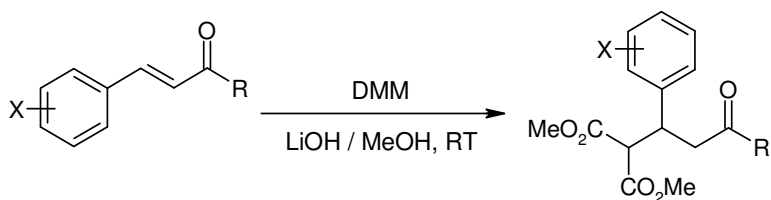
Facile synthesis of nuevamine and isonuevamine has been reported *via* the regioselective reduction of hindered and unhindered carbonyl groups of 3,4-dimethoxyhomopiperonylphthalimide, respectively using the sodium borohydride and diisobutylaluminum hydride, followed by an acid catalyzed intramolecular dehydrative cyclization pathways. The chemistry involved in obtaining the regioselectivity has been discussed in brief.



Prasad B Wakchaure, Sunita S Kunte & Narshinha P Argade*

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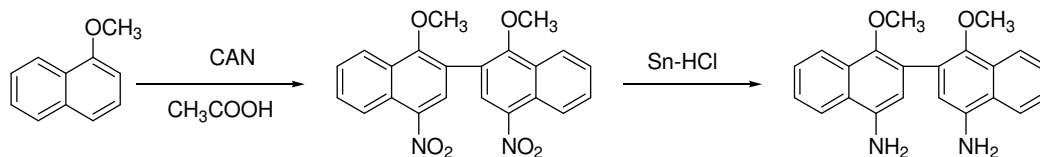
- 872 **Lithium hydroxide catalyzed Michael addition –
An easy handling and non-toxic protocol**



Kumari Sukanya & Dibakar Chandra Deka*

Department of Chemistry, Gauhati University, Guwahati 781 014, India

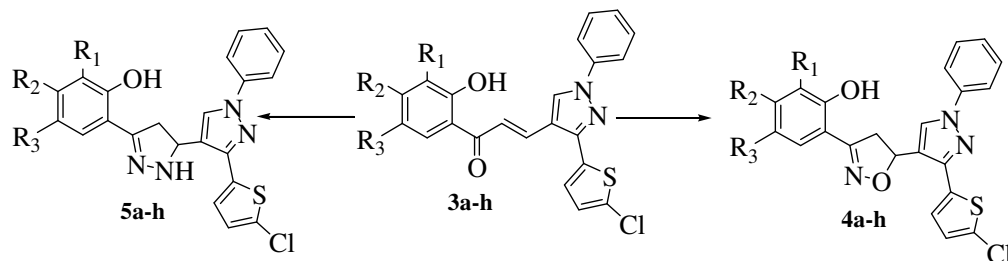
- 876 **Ceric ammonium nitrate mediated oxidative
dimerisation of 1-methoxy naphthalene**



J Ramchander & A Ram Reddy*

Department of Chemistry, University College of Science, Osmania University Campus, Hyderabad 500 007, India

- 879 **Synthesis and characterization of some novel isoxazolines and pyrazolines as potent anti-microbial agents** The title compounds **4a-h** and **5a-h**, have been prepared starting from chalcones **3a-h** having 5-chlorothiophene moiety.

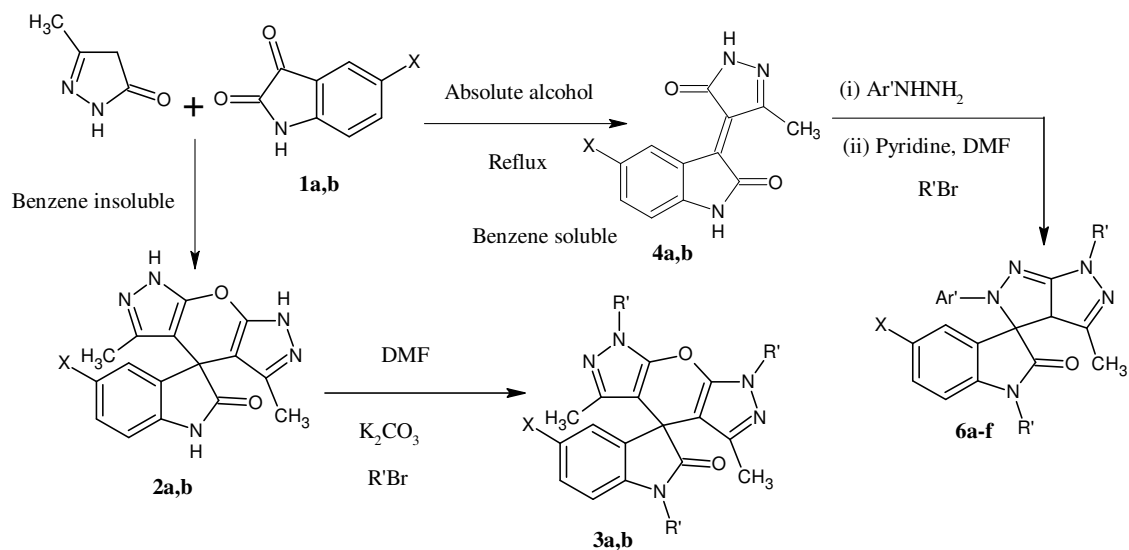


P V Badadhe, N M Chavan, P G Mandhane, R S Joshi, D R Nagargoje & C H Gill*

Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431 004, India

885 **Synthesis of some N,N-diethoxyphthalimido-5-(substitutedphenyl)-3-methyl-1,3a,4,5-tetrahydropyrazolo[3,4-c]pyrazole-4-spiro-5-substituted-1H-indole-2-one**

N,N,N-Triethoxyphthalimido-3,5-dimethyl-4,7-dihydro-1H-pyrazolo[4',3;5,6]pyrano[2,3c] pyrazole-4-spiro-5-substituted-1H-indole-2-one, **3a,b** and N,N-diethoxyphthalimido-5-(substitutedphenyl)-3-methyl-1,3a,4,5-tetrahydropyrazolo[3,4-c]pyrazole-4-spiro-5-substituted-1H-indole-2-one, **6a-f** have been synthesized from isatine **1a,b** and 5-methyl-2,4-dihydro-3H-pyrazol-3-one through multiple step approach. Synthesized compounds are characterized by analytical and spectral studies.



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