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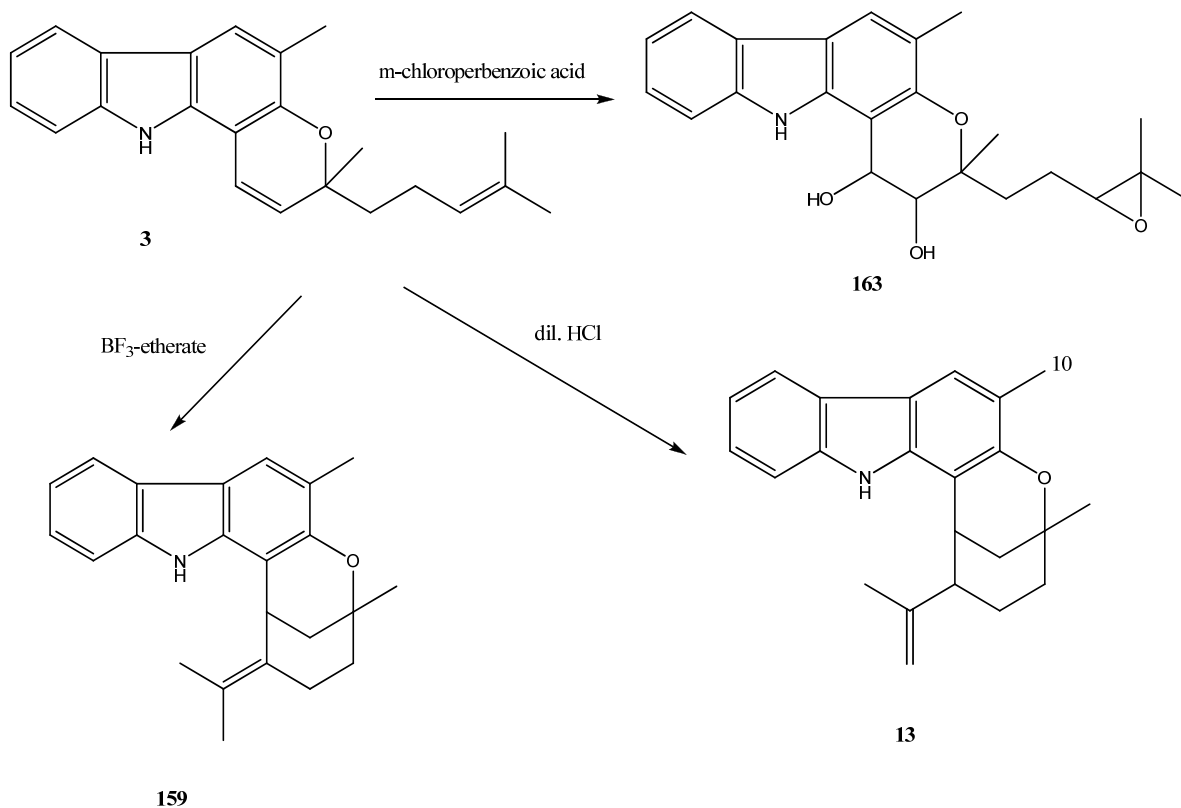
June 2020

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Papers

837 **Reactions of the carbazole alkaloid Mahanimbine with mineral acid, Lewis acid and *m*-chloroperbenzoic acid**

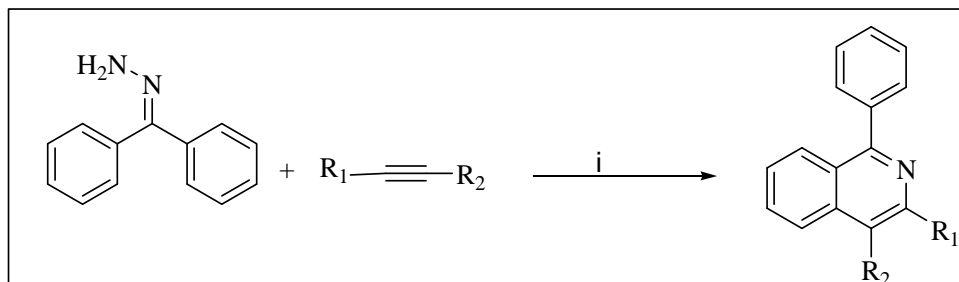
Mahanimbine, a C₂₃ carbazole alkaloid, has been isolated from the leaves of *Murraya koenigii* Spreng. This carbazole alkaloid, with a C₅H₉ ring residue, on reaction with different acids shows some interesting results. Structures of the naturally occurring compound as well as the synthetic products have been ascertained on the basis of 1D and 2D NMR spectroscopic data. In this paper is discuss isolation, structure elucidation and some chemical transformations of mahanimbine on reaction with mineral acid, Lewis acid and *m*-chloroperbenzoic acid.



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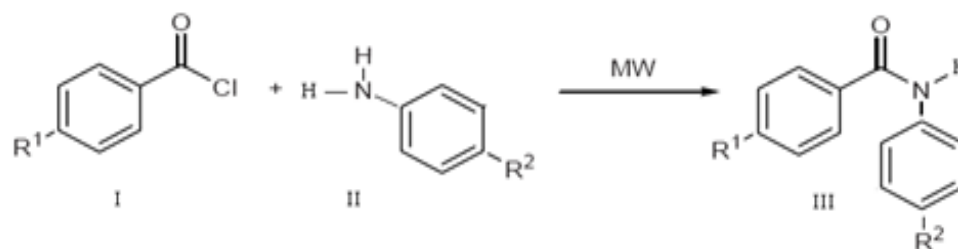
- 842 **A green synthesis of isoquinolines using Ru(II)/PEG-400 as homogeneous recyclable catalyst via C-H/N-N bond activation**



Shrinivas L Nakkalwar, Hanmant M Kasralikar, Nitish S Kaminwar, Shivaji B Patwari & Vivekanand B Jadhav*

Department of Chemistry, L. B. S. Mahavidyalaya, Dharmabad 431 809, Dist. Nanded, India

- 850 **An effortless microwave synthesis of N-(aryl) substituted benzamides under solvent free conditions** A series of N-(aryl)-substituted benzamides have been synthesized and resulted in satisfactory yield with short reaction time under microwave irradiation. The elemental and spectral data of the synthesized compounds have been found to be in good agreement with reported literature.



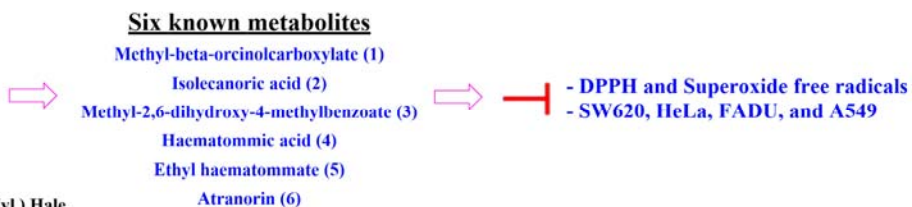
Sri Latha Rao, Veerabhadraswamy M* & Bhimashankar B Molkere

Green Chemistry Center, P E S University, Bangaluru 560 085, India

- 856 **Manglicolous lichen *Parmotrema tinctorum* (Despr. ex Nyl.) Hale: Isolation, characterization and biological evaluation**



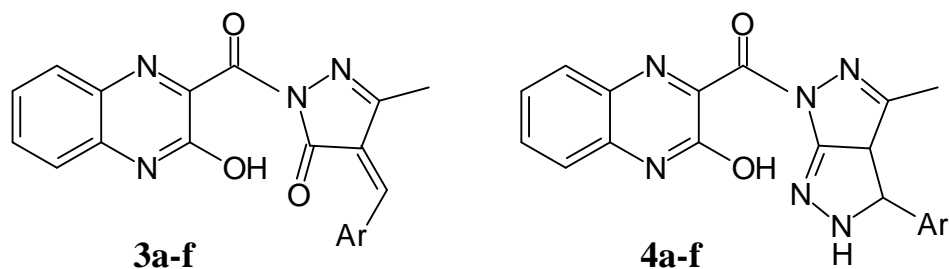
Parmotrema tinctorum (Despr. ex Nyl.) Hale



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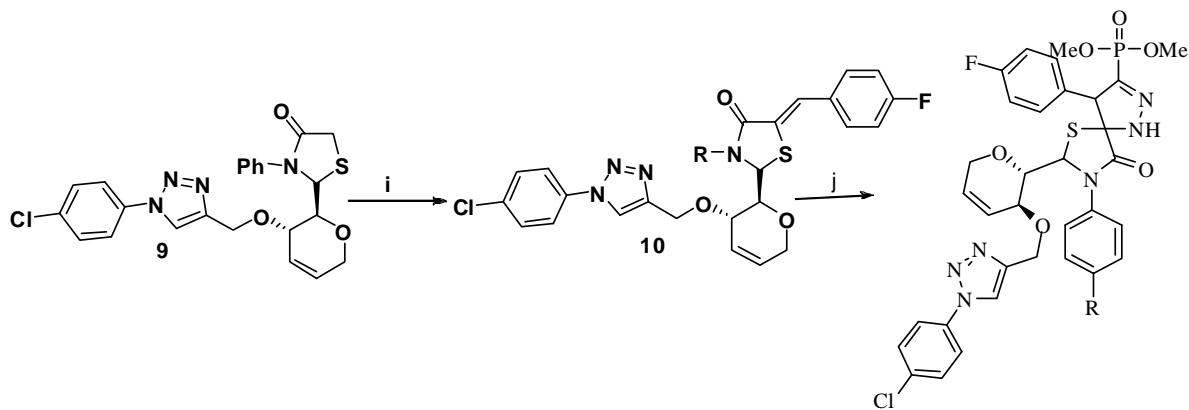
- 862 Synthesis, biological evaluation and docking studies of (4-aryl-3-methyl-4,5-dihydropyrazolo[3,4-c]pyrazol-1(3*aH*)-yl)(3-hydroxyquinoxalin-2-yl)methanones



T Rajani Devi, Laxminarayana E & Thirumala Chary M*

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- 867 Synthesis and biological evaluation of novel phosphonyl thiazolo pyrazoles



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