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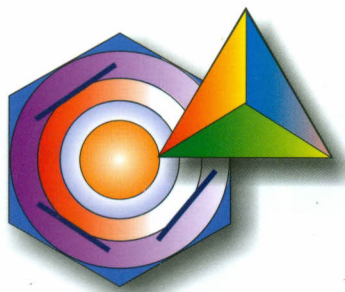
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Section B

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(Organic including Medicinal)



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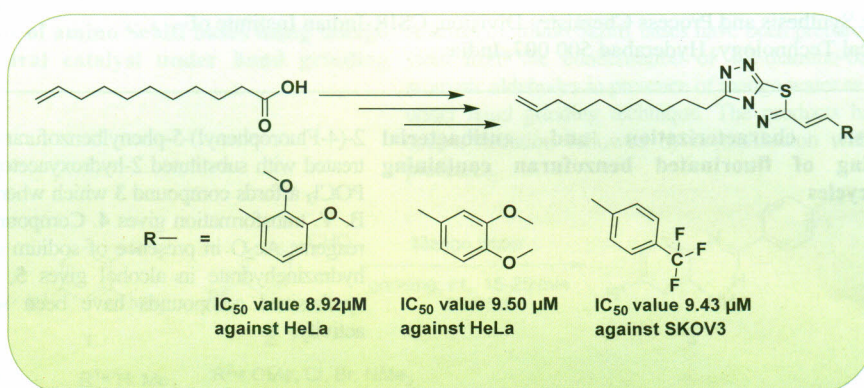
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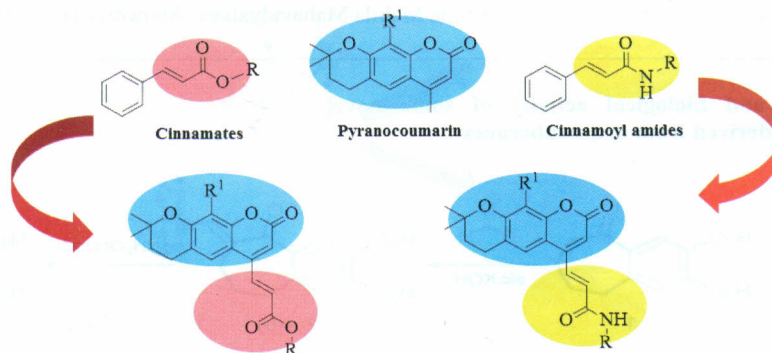
- 475 Synthesis, cytotoxic evaluation of substituted cinnamic-based 1,2,4-triazolo thiadiazoles



Venepally Vijayendar, E Vamshi Krishna, Sunil Misra & Ram Chandra Reddy Jala*

Centre for Lipid Research, CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad 500 007, India

- 482 Synthesis of novel acrylyl pyranochromen-2-one derivatives and their antibacterial activity evaluation

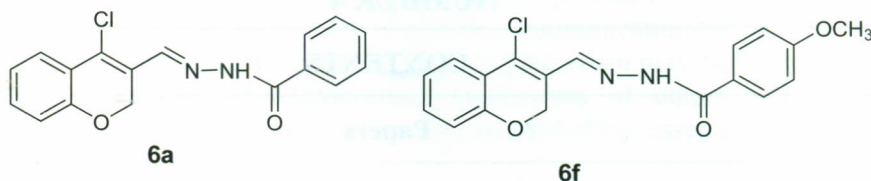


Suchita Prasad, Ayushi Mittal & Sunil K Sharma*

Department of Chemistry, University of Delhi, Delhi 110 007, India

- 497 **Synthesis and anti-microbial activity of 2H-chromenylmethylene benzohydrazides**

2H-Chromenylmethylene benzohydrazides **6a-t** have been prepared by the reaction of 2H-chromene-3-carbaldehydes **4a-e** with benzohydrazides **5a-c** and isonicotinohydrazide **5d** in ethyl alcohol at room temperature. All the synthesized compounds have been evaluated for their anti-microbial activity. Compounds **6a**, **6f**, **6p** and **6t** have potent anti-bacterial activity. Compounds **6a** and **6f** are highly potent and **6l**, **6p** and **6t** have equi potent anti-fungal activity.

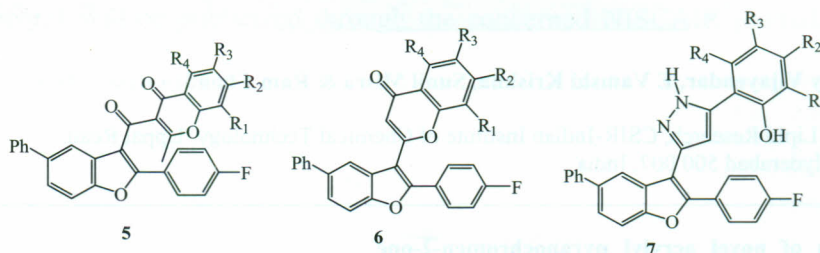


B B Shivaraj, K S Hariprasad, B Baburao Rathod, R S Prakasham & B China Raju*

Organic Synthesis and Process Chemistry Division, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India

- 504 **Synthesis, characterization and antibacterial screening of fluorinated benzofuran containing heterocycles**

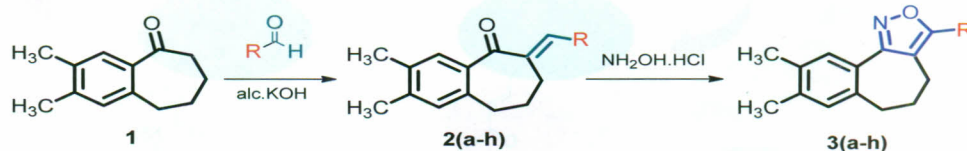
2-(4-Fluorophenyl)-5-phenylbenzofuran-3-carboxylic acid **1** when treated with substituted 2-hydroxyacetophenones **2** in dry pyridine and POCl_3 affords compound **3** which when reacted with pyridine/KOH by B. V. transformation gives **4**. Compound **4** on refluxing with different reagents Ac_2O in presence of sodium acetate, acetic acid in HCl, and hydrazinehydrate in alcohol gives **5**, **6** and **7** respectively. All the synthesized compounds have been screened for their antibacterial activity.



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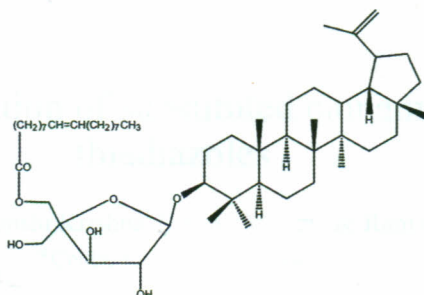
- 511 **Synthesis and biological activity of some novel isoxazoles derived from benzosuberones**



Bandapally Rupavani* & Peesapati Venkateswarlu

Department of Chemistry, Adarsh Degree & PG College (Affiliated to Palamuru University), Mahabubnagar 509 001, India

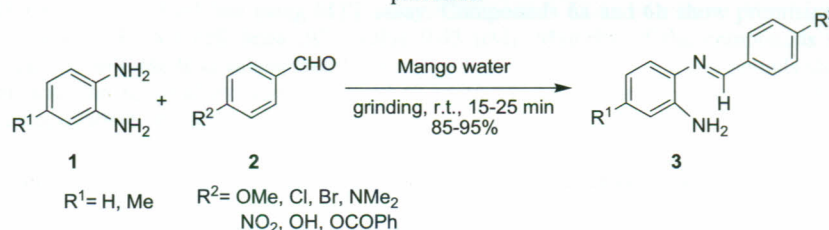
- 516 **A new antimicrobial pentacyclic triterpenoid from the rhizomes of *Nardostachys jatamansi* DC.**



Ajay Pal Singh* & Surendra Kumar Sharma

Department of Pharmaceutical Sciences, Guru Jambheshwar University of Science and Technology, Hisar 125 001, India

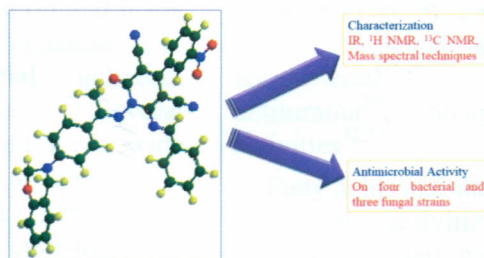
- 522 **A green synthesis of amino Schiff bases using mango water as a natural catalyst under hand grinding technique** A series of amino Schiff bases have been prepared in good to excellent yield from the condensation of 1,2-diamino-benzenes with various aromatic aldehydes in presence of mango water as a natural acid catalyst under hand grinding technique. The products have been purified by simple filtration followed by crystallisation with ethanol and drying processes.



Rammohan Pal

Department of Chemistry, Acharya Jagadish Chandra Bose College, Kolkata 700 020, India
(Affiliated to University of Calcutta, Kolkata, India)

- 527 **Synthesis and antimicrobial importance of oxazine bearing pyridine scaffold** Oxazine coupled pyridine compounds have been synthesized by multistep reactions. The synthesized compounds have been characterized by IR, ^1H and ^{13}C NMR, and mass spectral techniques. Antimicrobial activity of the compounds have been tested against different strains of bacteria and fungi.



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