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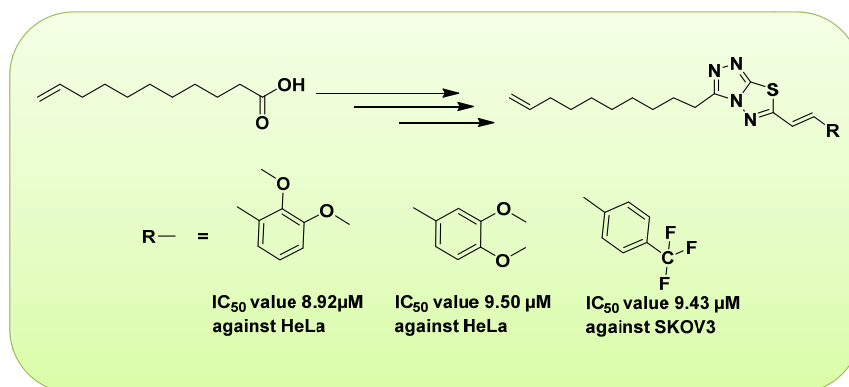
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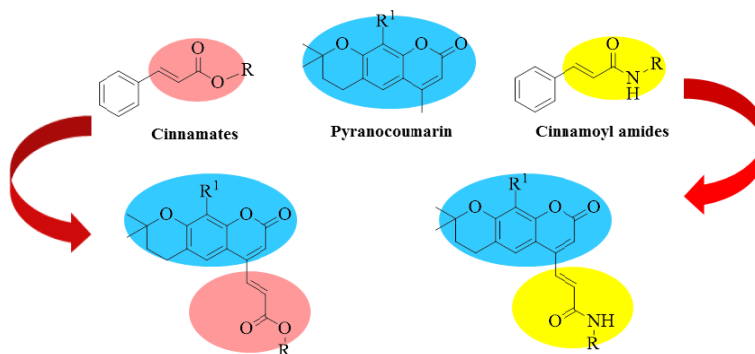
- 475 Synthesis, cytotoxic evaluation of substituted cinnamic-based 1,2,4-triazolo thiadiazoles



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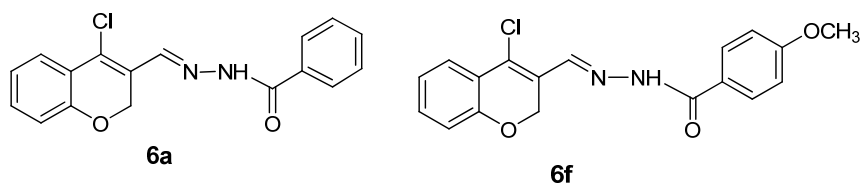
- 482 Synthesis of novel acrylyl pyranochromen-2-one derivatives and their antibacterial activity evaluation



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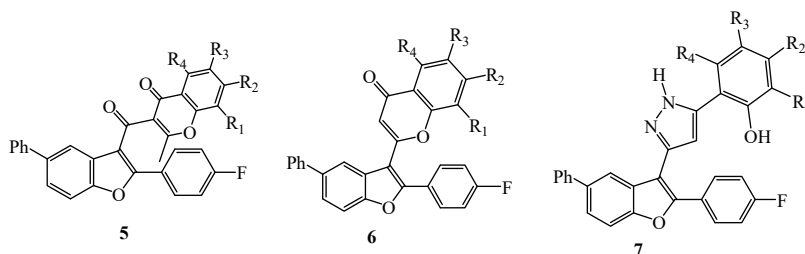
- 497 Synthesis and anti-microbial activity of 2H-chromenylmethylene benzohydrazides** 2H-Chromenylmethylene benzohydrazides **6a-t** have been prepared by the reaction of 2H-chromene-3-carbaldehydes **4a-e** with benzohydrazides **5a-c** and isonicotinohydrazide **5d** in ethyl alcohol at room temperature. 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.



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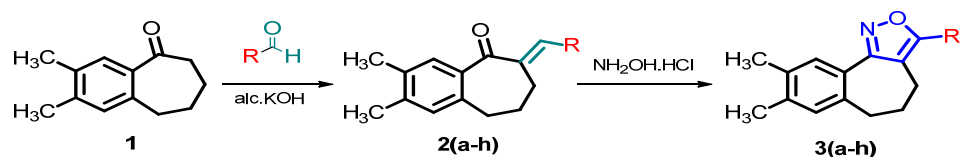
- 504 Synthesis, characterization and antibacterial screening of fluorinated benzofuran containing heterocycles** 2-(4-Fluorophenyl)-5-phenylbenzofuran-3-carboxylic acid **1** when treated with substituted 2-hydroxyacetophenones **2** in dry pyridine and POCl_3 affords compound **3** which when reacted 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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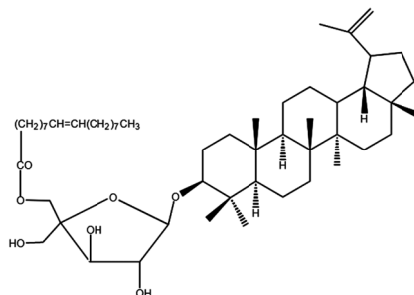
- 511 Synthesis and biological activity of some novel isoxazoles derived from benzosuberones**



Bandapally Rupavani* & Peesapati Venkateswarlu

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

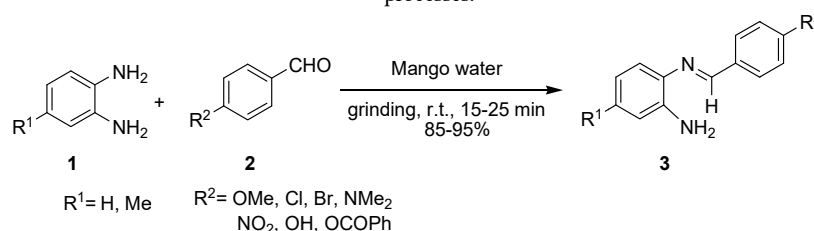


Ajay Pal Singh* & Surendra Kumar Sharma

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- 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.

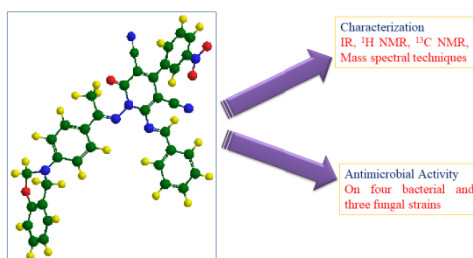


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- 527 **Synthesis and antimicrobial importance of oxazine bearing pyridine scaffold**

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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