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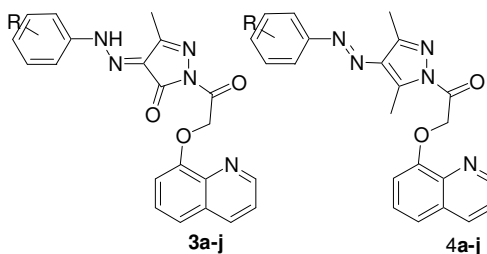
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Papers

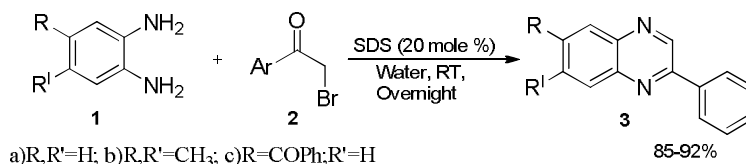
- 1493** **Synthesis and antimicrobial activity of pyrazolinone and pyrazole analogues containing quinoline moiety** A new class of quinoline derivatives containing pyrazoline-5-one and pyrazole moiety (**3a-j** and **4a-j**) have been synthesized and evaluated for antimicrobial activity. Compound 4-(2-(4-fluorophenyl)hydrazono)-3-methyl-1-(2-(quinolin-8-yloxy)acetyl)-1*H*-pyrazol-5(4*H*)-one **3f** has emerged as the most potent antimicrobial agent of the series.



Mohd Amir*, Sadique A Javed & Mohd Zaheen Hassan

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Hamdard University, New Delhi 110 062, India

- 1500** **Sodium dodecylsulfate induced synthesis of quinoxalines** A simple and efficient sodium dodecylsulfate (SDS) induced method for the synthesis of quinoxalines in excellent yields in water at room temperature by the reaction of phenacyl bromide and o-phenylene diamines has been developed.

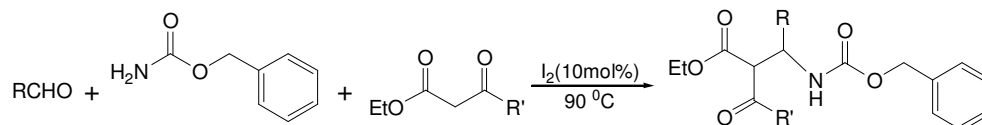


Narender Reddy Emmadi & Krishnaiah Atmakur*

Division of Crop Protection Chemicals, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India

1505 Iodine catalyzed three-component synthesis of β -amino- β -keto-esters and their antimicrobial activity

A series of β -amino- β -keto-esters have been prepared in moderate to good yields by a three-component Mannich reaction of aldehydes, benzyl carbamate and β -keto esters in the presence of iodine catalyst under solvent-free condition. The bioassay result of these compounds in present investigation indicates promising antimicrobial activity against both the bacterial and fungal pathogens.

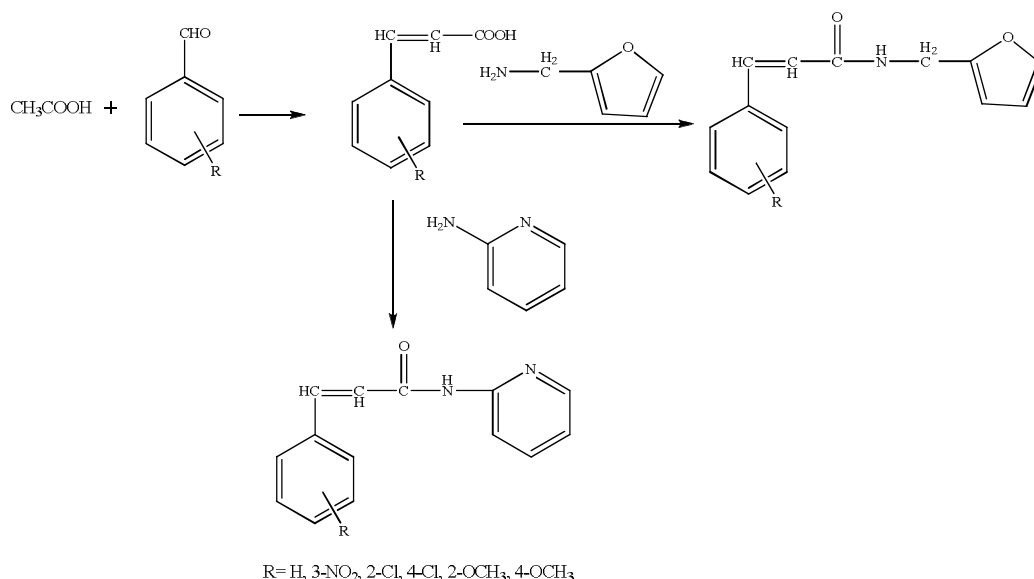


Dolly Kataki, Pranabananda Bhattacharyya, Manab Deka, Dhruba Kumar Jha & Prodeep Phukan*

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

1513 Conventional as well as microwave assisted synthesis and microbial effect of some new acrylamides

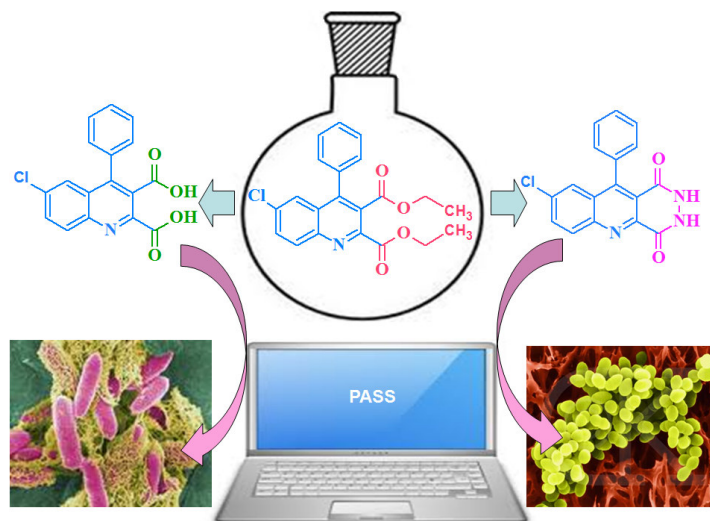
Some new acrylamides with heterocyclic moiety have been synthesized by using conventional and microwave irradiation method and screened for microbial activity against some bacteria, fungus and yeast.



Sandeep Kaur, S Sharma*, Jasvir Kaur & Poonam Sharma

Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana 141 004, India

- 1521** *In-silico, in-vitro* antibacterial activity and toxicity profile of new quinoline derivatives
- The new substituted quinoline derivatives have been synthesized and characterized by various spectroscopic techniques. A prediction of activity spectra for substances (PASS) of synthesized quinoline compounds showed their probabilities of being active for the antibacterial activities.

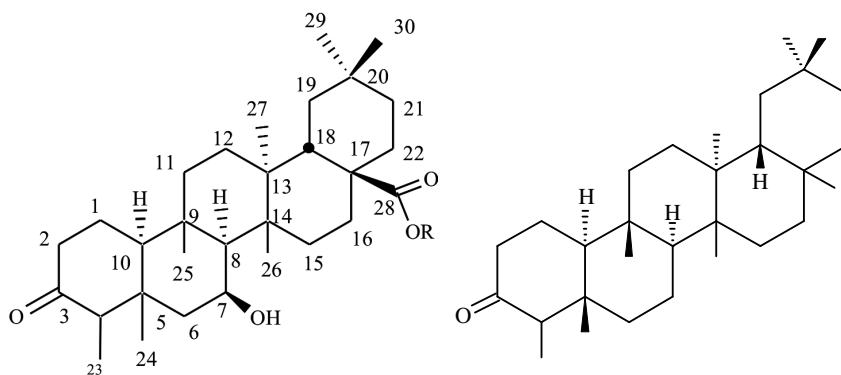


P P Sambavekar, M M Aitawade, D R Patil, G B Kolekar, M B Deshmukh & P V Anbhule*

Department of Chemistry, Shivaji University, Kolhapur 416 004, India

Notes

- 1527** A new friedelane triterpene ester from *Pouzolzia indica*
- A new friedelane triterpene ester, 7 β -hydroxy-3-oxo-28-dodecyl friedelan-28-oate along with known compounds, friedelin, myricyl palmitate and myricylalcohol have been isolated from the dried whole plant of *Pouzolzia indica*.

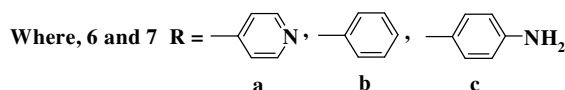
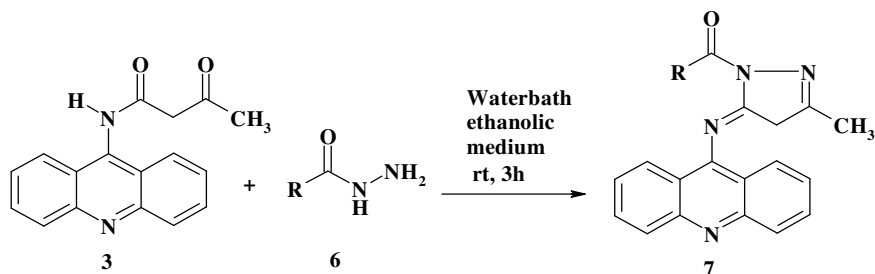


Indrajit Sil Sarma & Biswanath Dinda*

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1531 Synthesis, antituberculosis and antimicrobial study of some new aminoacridine linked pyrazoles

Synthesis of heterocycles containing pyrazole linked to acridine chromophore has been studied and evaluated for their *in vitro* antibacterial activity against *Mycobacterium tuberculosis*. The title compounds have been screened for their antimicrobial potency against some selected microorganism to set-up structure activity relationship. All the compounds are found to have potent antimicrobial response.

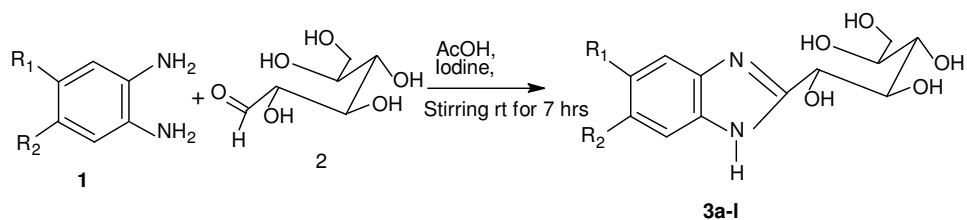


P R Kawle*, P P Deohate, B N Berad, K K Srivastava & P Sharma

Department of Chemistry, Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola 444 001, India

1536 Iodine promoted simple synthesis of benzimidazole acyclonucleosides

A novel one-pot ecofriendly synthesis of 2,5,6-trisubstituted-1*H*-benzimidazole nucleoside derivatives have been accomplished stepwise. i.e. substituted *o*-phenylenediamine and aldoses using iodine as an oxidant or promoter in acetic solution at room temperature. A practical method has been developed for conversion of unprotected and unmodified aldoses to aldo-benzimidazoles.



Tej Bahadur Yadav & Virendra Singh*

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