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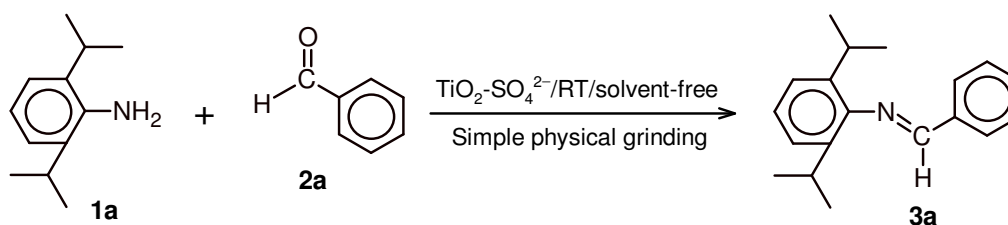
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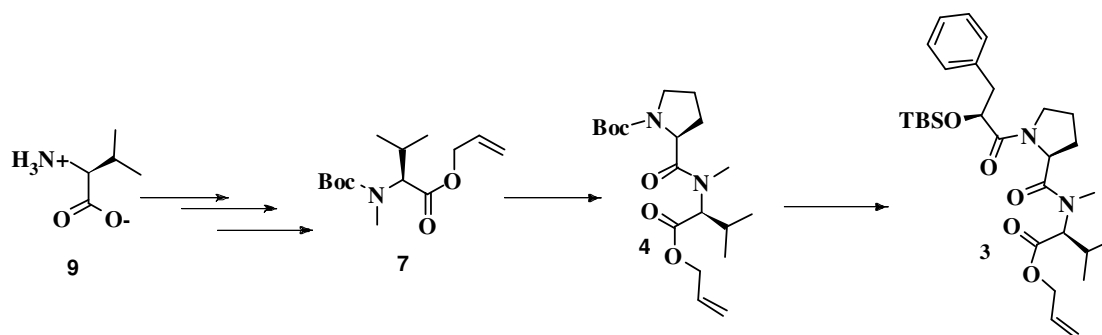
- 1231** An efficient, rapid and solvent-free synthesis of branched imines using sulfated anatase-titania as a novel solid acid catalyst
- Sulfated anatase-titania has been used for the synthesis of branched imine derivatives from 2,6-di(propan-2-yl)-aniline with different substituted aromatic aldehydes by simple physical grinding. This novel and practical method has the advantages of mild conditions and excellent yield of products



A Kumar, B Krishnakumar, Abilio J F N Sobral, B Subash, M Swaminathan & K R Sankaran*

Department of Chemistry, Annamalai University, Annamalainagar 608 002, India

- 1239** Stereoselective synthesis of Hantupeptins A, B and C common fragment
- Stereoselective synthesis of the common fragment of Hantupeptide A, B and C is described using N-methylation of aminoacids, HATU mediated coupling reaction and diazotization of L-phenylalanine.

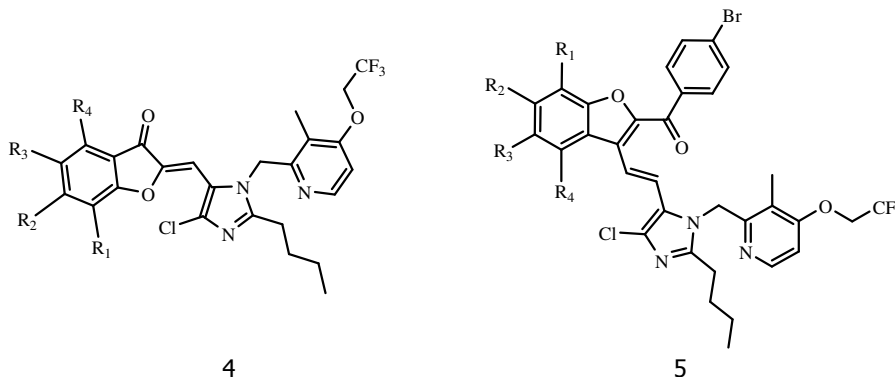


A Srinivas*, M Sunitha & C Govind Rao

Department of Chemistry, Vaagdevi Degree and PG College, Kishanpura, Warangal 506 001, India

1243 Synthesis of novel fluorine containing imidazolyl aurones and benzofurans

Imidazolyl aldehyde **1** on reaction with substituted 2-hydroxyacetophenone **2** gives chalcone **3**, which on treatment with mercuric acetate in dry pyridine gives compound **4** and when treated with dry acetone in K_2CO_3 with 4-bromophenacylbromide gives compound **5**. The structures of all the synthesized compounds have been confirmed by spectroscopic techniques.

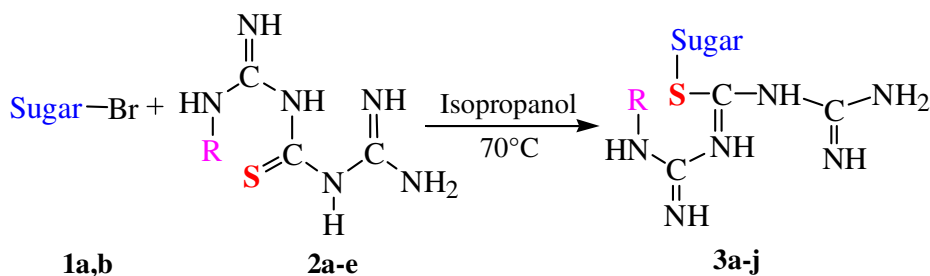


S G Kundlikar, P V Randhavane, H N Akolkar & B K Karale*

P G Department of Chemistry, Radhabai Kale Mahila Mahavidyalaya, Ahmednagar 414 001, India

1248 Synthesis, characterization and investigation of novel benzoyl protected glycosyl 1-formamidino-3-aryl formamidino thiocarbamides for antimicrobial activity

A series of benzoyl protected glycosyl 1-formamidino-3-aryl formamidino thiocarbamides have been synthesized by interaction of various benzoyl procted glycosyl bromides and 1-aryl-formamidino-3-formamidino thio- carbamides.



M R Thakur & S P Deshmukh*

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1254 Synthesis and evaluation of 2-(4-methoxy-2-oxo-1-phenyl/methyl-1,2-dihydroquinolin-3-yl)-2-methyl-3-(phenyl/substitutedphenyl-amino)thiazolidin-4-one as antibacterial and anticancer agents

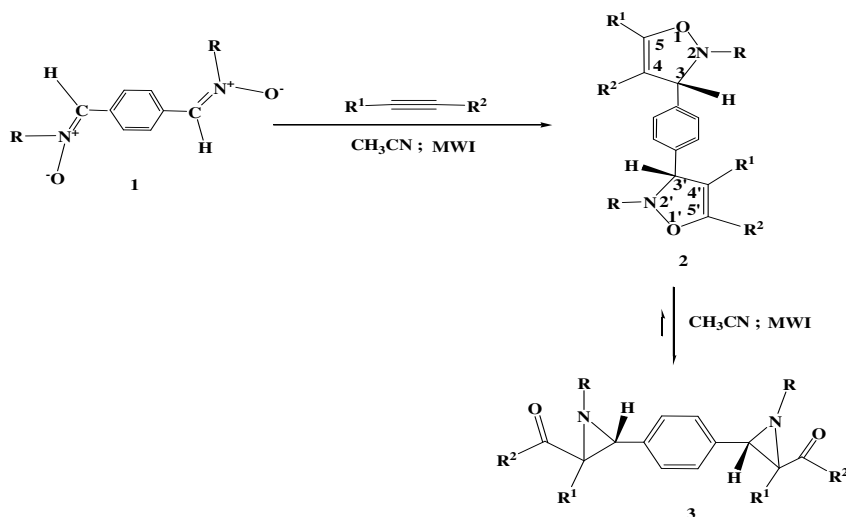
A series of 2-(4-methoxy-2-oxo-1-phenyl/methyl-1,2-dihydroquinolin-3-yl)-2-methyl-3-(phenyl/substituted-phenylamino)-thiazolidin-4-one derivatives have been synthesized and evaluated for their *in vitro* anti-bacterial and anticancer activity.

Maria de Graca Reis, Shivlingrao Mamle Desai*, Soniya Naik, Jairus Fernandes & Prasad Tari

Department of Pharmaceutical Chemistry, P.E.S.'s Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda, Goa 403 401, India

1259 Microwave assisted synthesis of some novel class of bisisoxazoline derivatives and their further applications

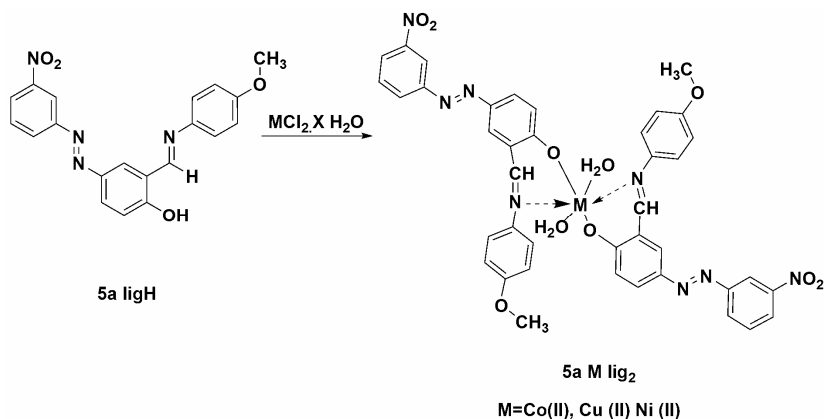
Synthesis of some new bisisoxazoline derivatives have been described from terephthalaldehyde derived bisnitrones using microwave irradiation *via* 1,3-dipolar cycloaddition reaction. Bisisoxazoline derivatives have been in turn successfully converted into new bisaziridine derivatives *via* Baldwin rearrangement. Simple reaction methodology, greener approaches, non involment of catalysts, good to excellent yields are the important features highlighted in this synthesis.



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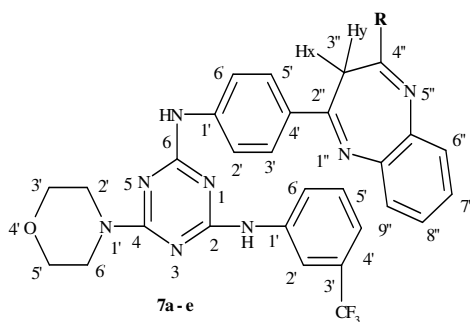
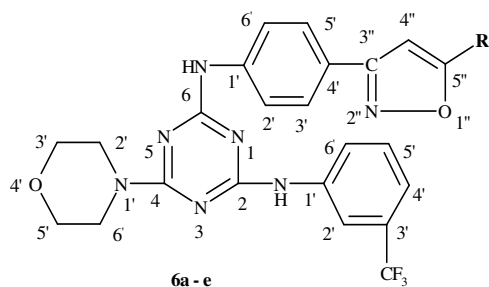
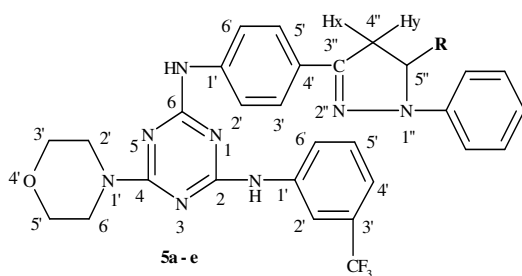
1267 Synthesis, spectral characterization, *in silico* and *in vitro* antimicrobial investigations of some Schiff base metal complexes derived from azo salicylaldehyde analogues



Jyotirmaya Sahoo*, Gulistan Parween, Suprava Sahoo, Suman Kumar Mekap, Sabuj Sahoo & Sudhir Kumar Paidesetty

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- 1277 ***In vitro* antimycobacterial and antimicrobial activity of some new pyrazoline, isoxazole and benzodiazepine derivatives containing 1,3,5-triazine nucleus via chalcone series** An efficient protocol for the synthesis of phenyl pyrazoline **5a-e**, isoxazole **6a-e** and 1,5-benzodiazepine **7a-e** derivatives bearing 1,3,5-triazine nucleus have been synthesised from chalcone. All the synthesised compounds have been investigated for their *in vitro* antimycobacterial and antimicrobial activity.



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