

Indian Journal of Chemistry

Sect. B: Organic Chemistry including Medicinal Chemistry

Impact Factor: 0.592 (JCR 2020)

VOL. 60B

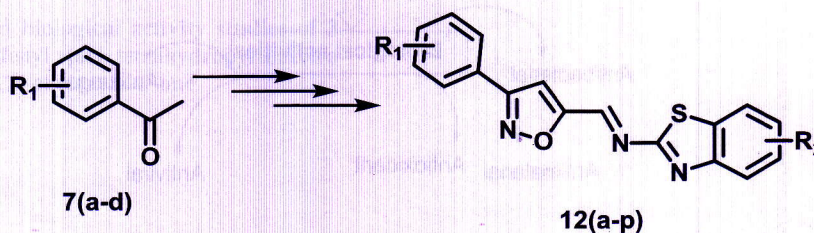
NUMBER 11

NOVEMBER 2021

CONTENTS

Papers

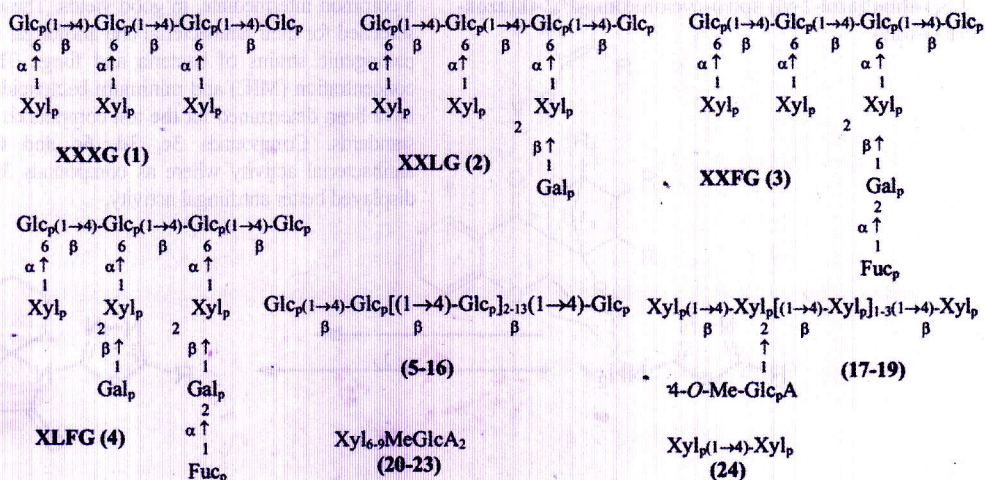
- 1463 Synthesis and antimicrobial evaluation of benzothiazole linked isoxazole Schiff bases



G Mallikarjun, A Krishnam Raju & J S Yadav*

Center for Semio Chemical Laboratory, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India

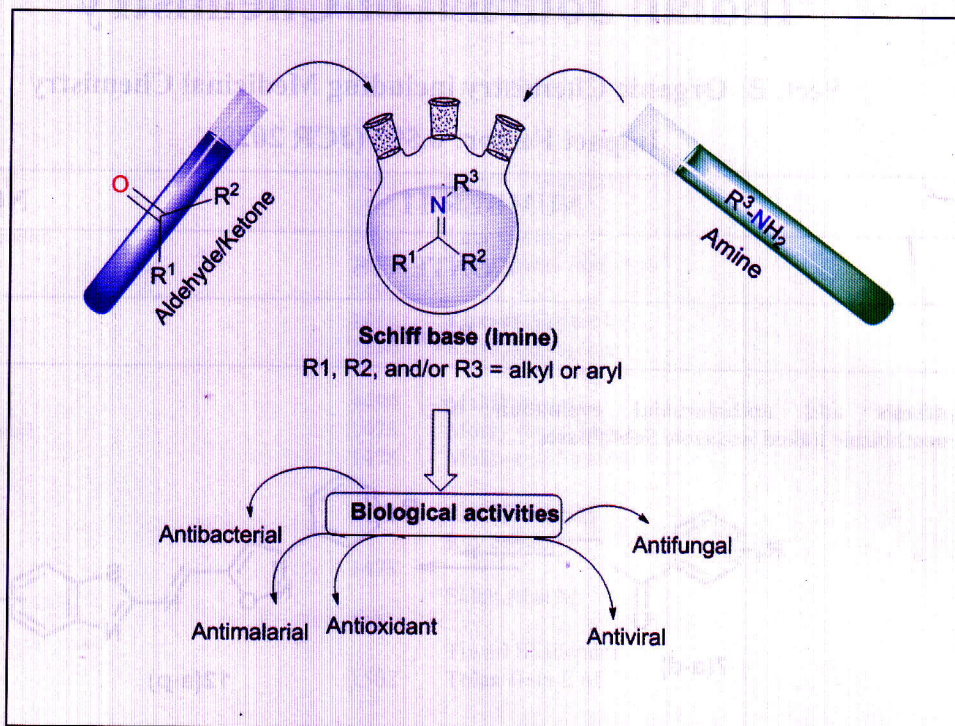
- 1471 Production and identification of intricate bioactive oligosaccharides from *Nyctanthes arbor-tristis* leaves by a combination of enzymatic, HPAEC and MALDI-TOF-MS techniques



Imran Ali, Shuvam Mukherjee, Subrata Jana, Sadhana Khawas, Bimalendu Ray & Sayani Ray*

Natural Products Laboratory, Department of Chemistry, The University of Burdwan, Golapbag Campus, Purba Bardhaman 713 104, India

1478 A review on synthesis and biological activity of Schiff bases

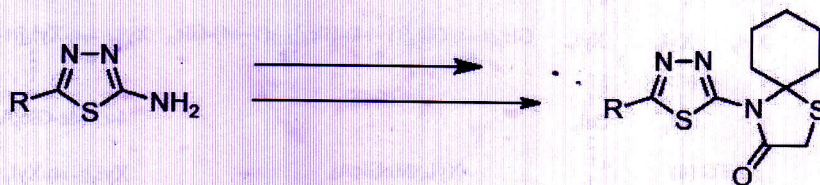


Deepjyoti Dutta, Nayan Kamal Bhattacharyya* & Joydeep Biswas

Sikkim Manipal Institute of Technology (Sikkim Manipal University), Majitar, Rangpo (Sikkim) 737 136, India

1490 Spiro-heterocycles: A convenient synthesis and antimicrobial activity of some 3-(5-aryl/aryloxymethyl-1,3,4-thiadiazol-2-yl)-spiro-cyclohexane-1',2'-thiazolidin-4-ones

A new series of novel 3-(5-aryl/aryloxy methyl-1,3,4-thiadiazol-2-yl)-spiro-cyclohexane-1',2'-thiazolidin-4-ones have been synthesized from a common intermediate, in good yields. These compounds have been screened for their antibacterial and antifungal activity against different pathogenic strains of bacteria and fungi. The minimum inhibitory concentration (MIC) and minimum bactericidal concentration (MBC) have been determined for the test compounds as well as for reference standards. Compounds 3c, 3d, 6c and 6d have shown good antibacterial activity where as compounds 3a, 3b, 6a and 6b have displayed better antifungal activity.



Kahkashan Begum, Akeel Ahmad & Shailendra Tiwari*

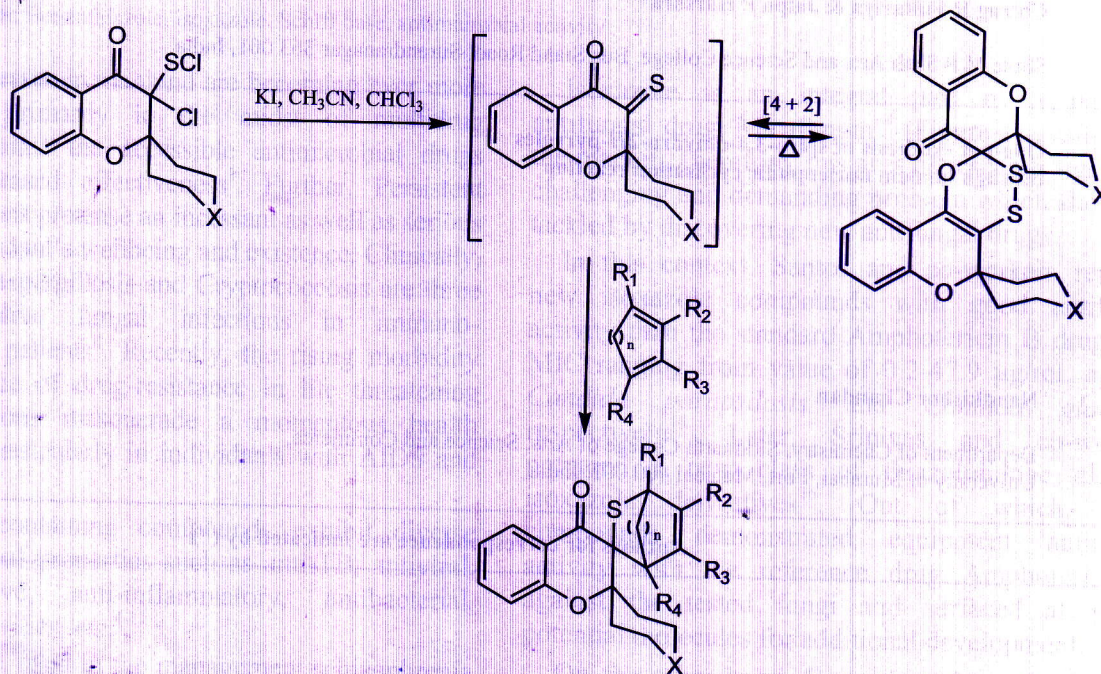
Department of Chemistry, University of Allahabad, Allahabad 211 002, India

- 1496** Synthesis, characterization and biological evaluation of some 2-arylbenzoxazole acetic acid derivatives as potential anticancer agents

Jamal Abdellatif Jilani, Qais Ibrahim Abualassal*, Areej Mashhour Assaf & Reham Mahmoud Abu Shmies

Department of Applied Pharmaceutical Science and Clinical Pharmacy, Faculty of Pharmacy, Al-Isra University, Amman, Jordan

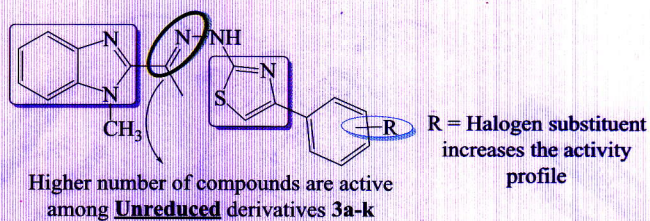
- 1502** Derivatization and biological activity studies of 3-chloro-3-chlorosulfenyl spiro tetrahydropyran/tetrahydrothiopyran-4,2'-chroman-4'-one



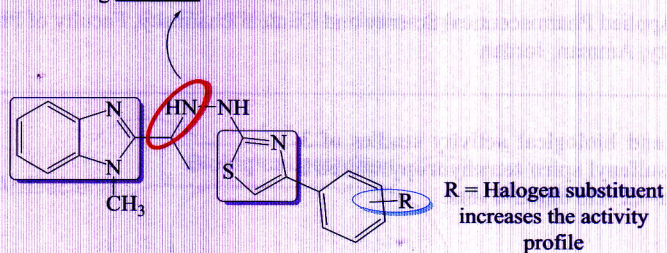
Mohamed I Hegab*, Hala E M Tolan, Eman M H Morsy, Abdelsalam I S, Alaa M Saleh, Farouk A Gad & Farouk M E Abdel-Megeid

Photochemistry Department, National Research Centre, Dokki, 12622 Giza, Egypt

1511 **Synthesis, antimicrobial activity and cytotoxicity of 2-substituted benzimidazole incorporated with thiazole**



Less number of compounds are active among **Reduced** derivatives 4a-k



Chirag R Fultariya & Jalpa P Harsora*

Shree M P Shah Arts and Science College, Bus Stand Road, Surendranagar 363 001, India

1522 **One-pot synthesis of spiro-3,4-dihydro-2H-pyrroles through tandem nucleophilic cyclisation reaction**

Nandkishor Chandan

Department of Chemistry, Siddharth College of Arts, Science and Commerce,
University of Mumbai, Fort, Mumbai 400 001, India

Authors for correspondence are indicated by (*)