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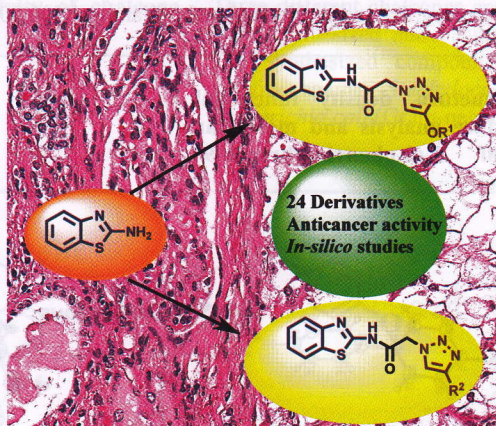
MARCH 2021

CONTENTS

Papers

- 409** Synthesis, *in silico* pharmacokinetic analysis and anticancer activity evaluation of benzothiazole-triazole hybrids

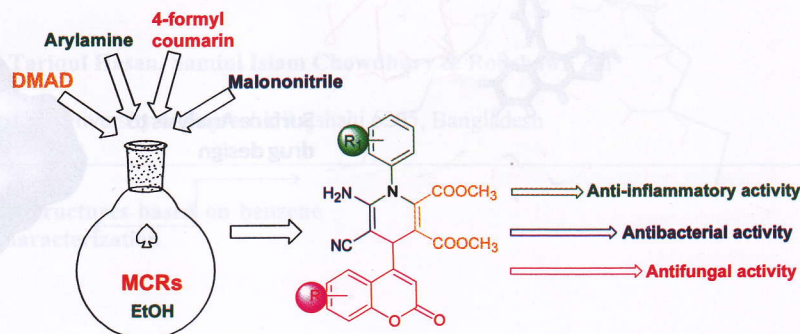
The *in vitro* activity evaluation of synthesized benzothiazole-triazole derivatives against 60 human cancer cell lines in a one dose screening panel has been done by NCI. Most of the synthesized compounds show 60-80% growth rate against renal cancer cell line UO-31.



Srishti Rawat, Diwan S Rawat & Beena Negi*

Gargi College, University of Delhi, Delhi 110 049, India

- 418** Synthesis, *in vitro* biological evaluation and molecular docking study of coumarin-1,4-dihydropyridine derivatives as potent anti-inflammatory agents

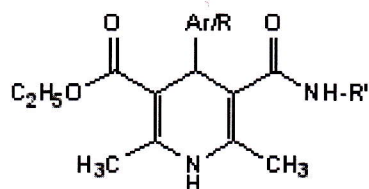


Jyoti M Madar, Lokesh A Shastri*, Samundeeswari L Shastri, Megharaja Holiyachi, Nirmala S Naik, Parashuram Gudimani, Varsha Pawar, Arun K Shettar, Shrinivas D Joshi & Vinay A Sungar

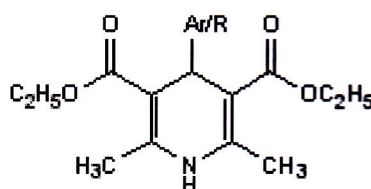
Department of Chemistry, Karnatak University, Dharwad 580 003, India

433 Synthesis and anticonvulsant activity of some 1,4-dihydropyridine derivatives

An attempt to repurpose the calcium channel blocker antihypertensives for the treatment of epilepsy has been made in the present study and the results are reported here.



Asymmetrical
1,4 dihydropyridines
3

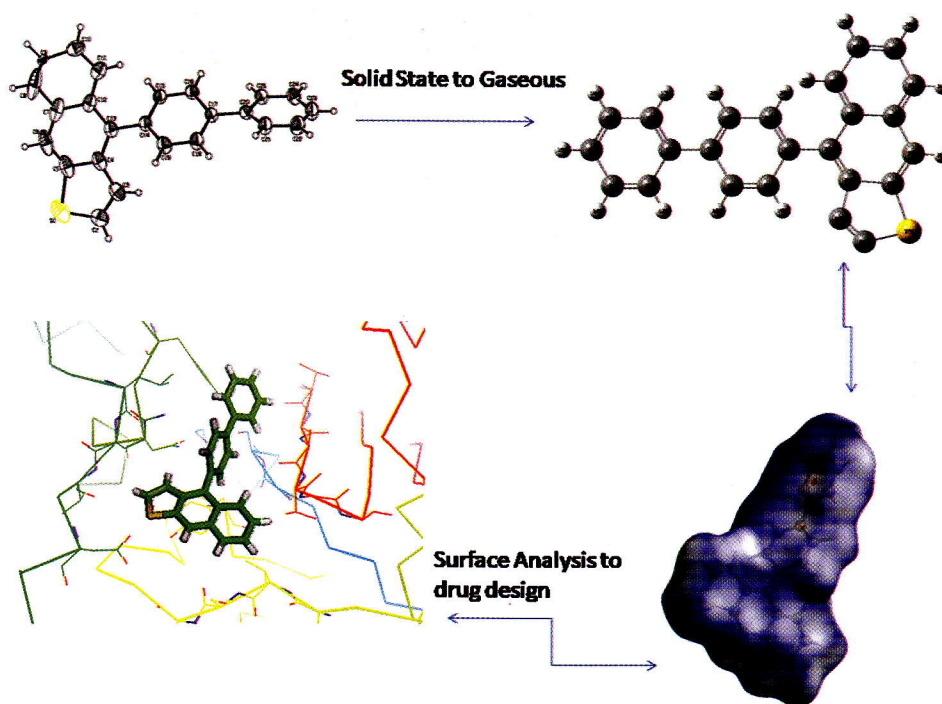


Symmetrical 1,4 dihydropyridines
4

Safia Begum & Kalam Sirisha*

Medicinal Chemistry Research Division, Department of Pharmaceutical Chemistry,
Vaagdevi College of Pharmacy, Ramnagar Hanamkonda, Warangal 506 001, India

439 Synthesis, crystal structure, density functional theory, Hirshfeld surface analysis and molecular docking studies of 2-(2-phenylanthracen-9-yl)thiophene derivatives



R Manickam, G Jagadeesan & G Srinivasan*

PG and Research Department of Physics, Government Arts College for Men (Autonomous),
University of Madras, Nandanam, Chennai 600 035, India

- 446 A short review: Chemistry of thioisatin and its derivatives

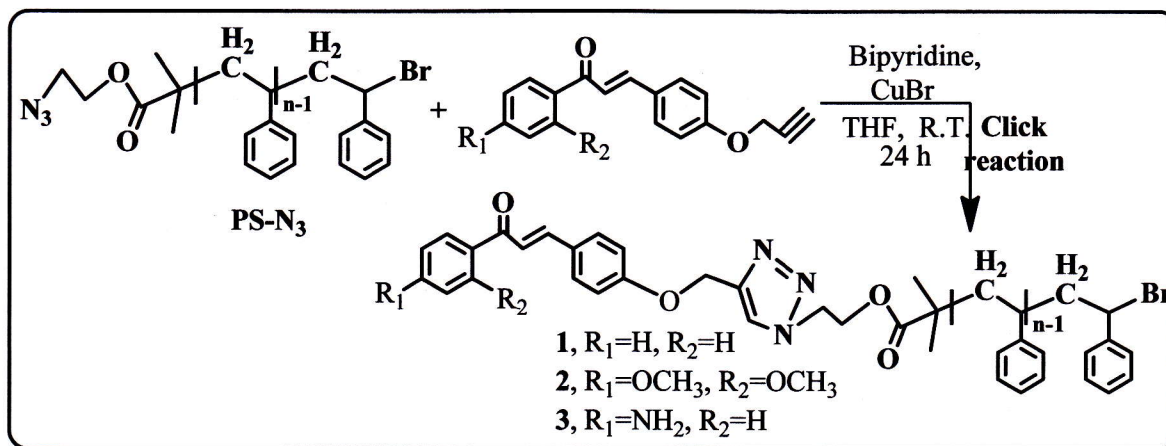


R=H; R=CH₃

Saurabh Singh

Department of Chemistry, MLV Government College, Bhilwara 311 001, India

- 456 **Synthesis and antimicrobial activity of chalcone containing polystyrene** Three different chalcones and their polystyrene derivative have been synthesized and characterized by spectroscopic analysis. The synthesized compounds exhibit moderate antimicrobial activity against *Staphylococcus aureus* (Gram-positive) and *Escherichia coli* (Gram-negative).



Farhana Sumi Rain, Tariqul Hasan, Samiul Islam Chowdhury & Roushown Ali*

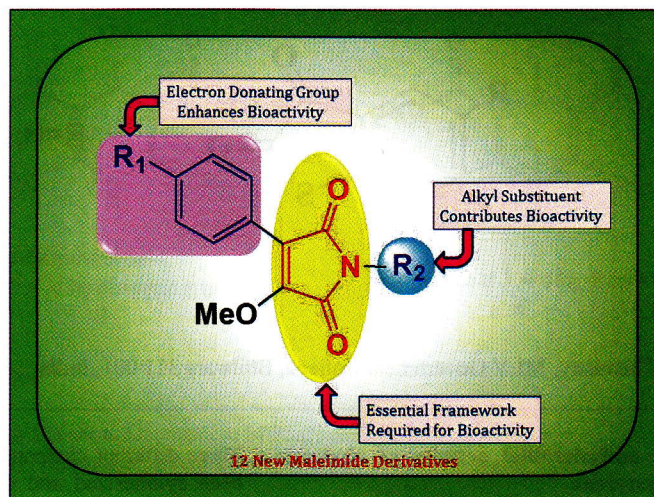
Department of Chemistry, University of Rajshahi, Rajshahi 6205, Bangladesh

- 465 New macromolecular structures based on benzene core, synthesis and characterization

Mohammed Hadi Ali & Lokman Torun*

Torkim Arge Kimya Sanayi Tic. A. S. YTÜ Teknopark, Kulucka Merkezi, 34220, Esenler, Istanbul, Turkey

- 473 **Synthesis and biological evaluation of novel 3-aryl-4-methoxy *n*-alkyl maleimides**



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