

European Journal of Chemistry

An International Open Access Journal

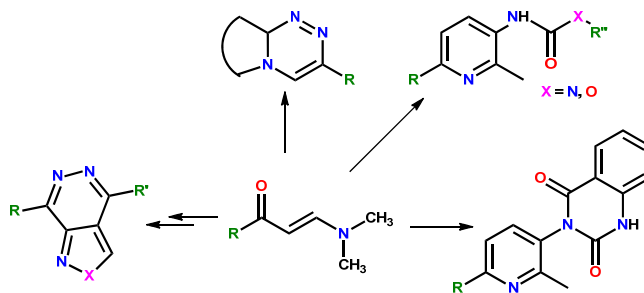
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Volume 3, Issue 2, 30 June 2012

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Convenient synthesis of some new pyrazolo[5,1-c]triazines, isoxazolo[3,4-d] pyrimidine and pyridine derivatives containing benzofuran moiety

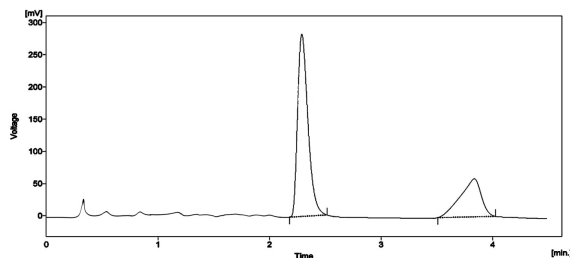
Abdou Osman Abdelhamid, Abdelgawad Ali Fahmi and Amna Ali Mohamed Alsheflo



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RP-HPLC method for simultaneous determination of atenolol and indapamide in pharmaceutical dosage forms, human blood and milk

Thulasamma Parusu and Venkateswarlu Ponneri



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Microwave-assisted solvent free efficient synthesis of 1,3,4-oxadiazole-2(3H)-thiones and their potent in vitro urease inhibition activity

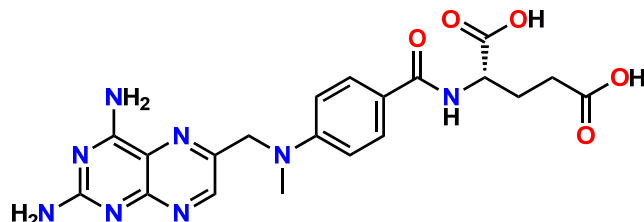
Sohail Anjum Shahzad, Muhammad Yar, Zulfiqar Ali Khan, Islam Ullah Khan, Syed Ali Raza Naqvi, Nasir Mahmood and Khalid Mohammed Khan



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Cytotoxic and antioxidant effects of grape seed oil on the treatment of leukemia with methotrexate

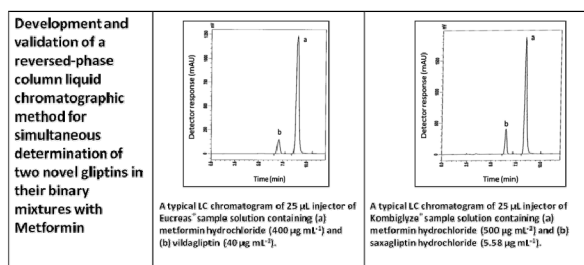
Nefise Ozlen Sahin, Mehmet Berköz, Ebru Derici Eker, Bartosz Pomierny and Katarzyna Przejczowska



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Development and validation of a reversed-phase column liquid chromatographic method for simultaneous determination of two novel gliptins in their binary mixtures with Metformin

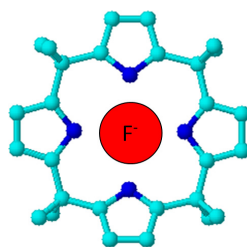
Mohammad Abdul-Azim Mohammad, Ehab Farouk Elkady and Marwa Ahmed Fouad



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Calix[4]pyrrole macrocycle: Extraction of fluoride anions from aqueous media

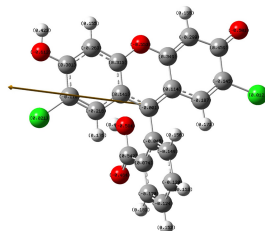
Ismail Ibrahim Abbas, Hassan Hasan Hammud and Hasan Shamsaldeen



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Solvent effect on the spectral properties of dipolar laser dyes: Evaluation of ground and excited state dipole moments

Kakkabevinahalli Hadagalli Nagachandra, James Ramayya Mannekutla, Shivkumar Math Amarayya and Sanjeev Ramchandra Inamdar

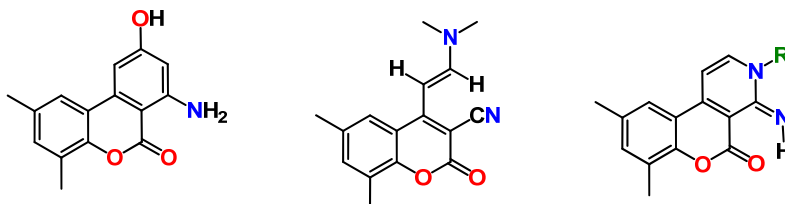


Ground state optimized structures of F27 molecules obtained using B3LYP functional with 6-31G* basis is shown along with the distribution of charges. The arrow indicates the direction of dipole moment.

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An efficient cyclocondensation reactions, antimicrobial activity and molecular orbital calculations of α -benzopyrone derivatives

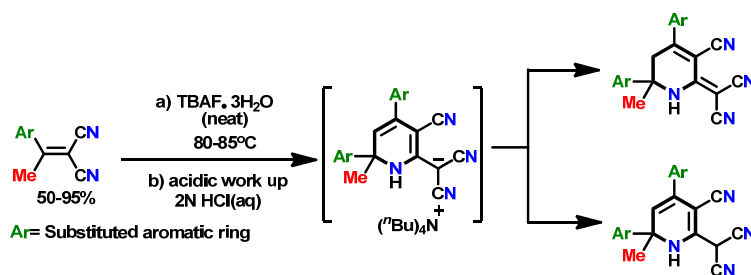
Hafez Mohamed El-Shaer, Salah Sayed Ibrahim, Wafaa Ramzy Abd-Elmonem and Christine Gamal Ibrahim



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Tetra-*n*-butylammonium fluoride-mediated dimerization of (α -methylbenzylidene)malononitriles to form polyfunctional 5,6-dihydropyridines derivatives under solvent-free conditions

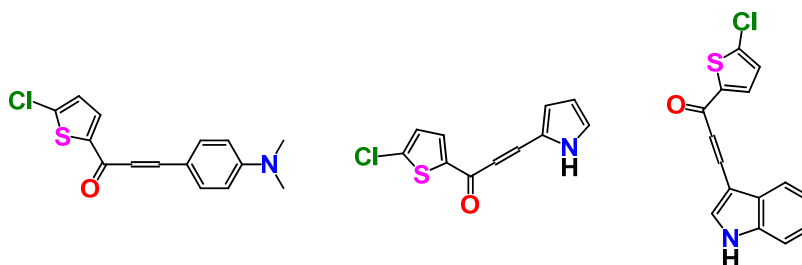
Abdul Hameed, Ayaz Anwar, Sammer Yousaf, Khalid Mohammed Khan and Fatima Zahra Basha



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A comparative study on synthesis of some novel α,β -unsaturated carbonyl derivatives and their antioxidant potential

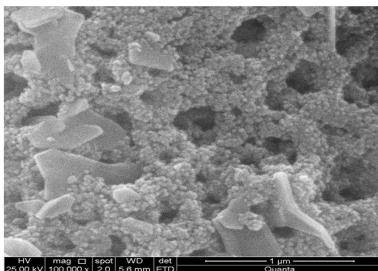
Mohammed Rayees Ahmad, Mohammed Haseebur Rahman Khan, Vedula Girija Sastry, Nasreen Bano, Syed Anwar and Yejella Rajendra Prasad



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Photocatalytic degradation of methylene blue using a zinc oxide-cerium oxide catalyst

Venkatesham Vuppala, Madhu Gattumane Motappa, Satyanarayana Suggala Venkata and Preetham Halugondanahalli Sadashivaiah

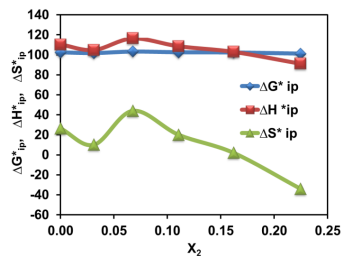


An attempt was made to synthesize ZnO-Ce₂O₃ coupled catalyst by gel combustion technique and characterized using SEM, XRD and EDAX. Photocatalytic activity was explored for the degradation of methylene blue.

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Kinetics and mechanism of aqution of bromopentammine cobalt(III) cation assisted by ion-pairing succinate anion in ethane-2-diol-water mixtures

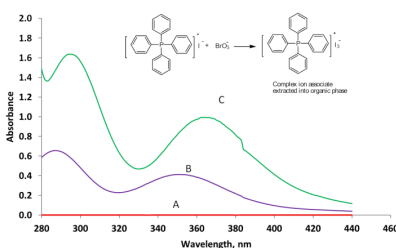
Amel Moustafa Ismail, Seleim Mohamed Seleim, Amal Abd-El-Hamid Zaghloul and Mohamed Fawzy Amira



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Highly sensitive procedure for the determination of ultra-trace amounts of bromate ions in water by dispersive liquid-liquid microextraction combined with UV-Vis spectrophotometry

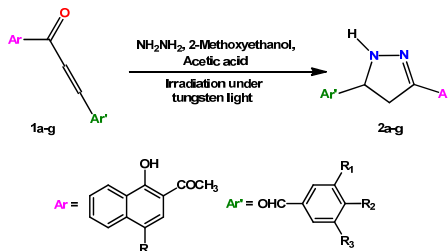
Hamed Mohammed Al-Saidi



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An efficient and facile ring closure of 2'-hydroxychalcones under irradiation of tungsten light

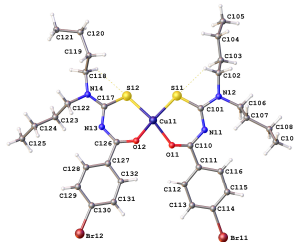
Sainath Zangade, Avinash Shinde, Arvind Patil and Yeshwant Vibhute



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Crystal and molecular structure of bis(4-bromo-N-(di-n-butylcarbamothioyl)benzamido)copper(II) complex

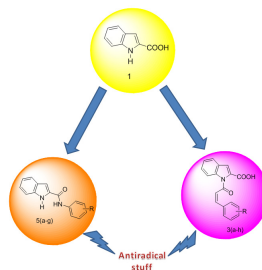
Gun Binzet, Ulrich Flörke, Nevzat Külcü and Hakan Arslan



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Novel indole-2-carboxylic acid analogues: Synthesis and a new light in to their antioxidant potentials

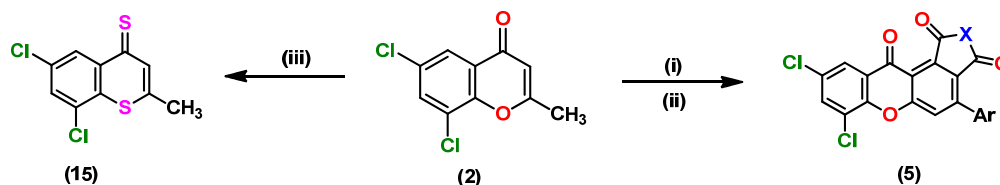
Nagaraja Naik, Vishwanath Sharath and Honnaiah Vijay Kumar



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Synthesis, structure characterization and biological evaluation of new 6,8-dichloro-2-methyl-4H-chromen-4-one derivatives

Marwa Sayed Salem, Magda Ismail Marzouk, Salma Nasser Ali and Hassan Mohamed Fawzy Madkour

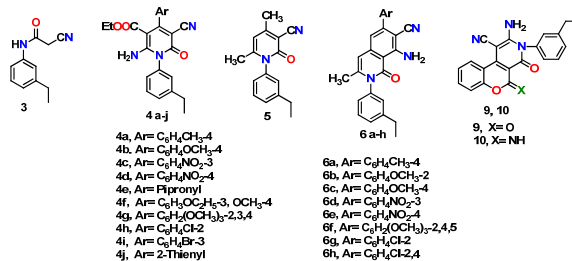


(i) Ar-CHO, EtONa, EtOH, stirring; (ii) maleic anhydride and/or N-arylmaleimide; fusion; (iii) P₂S₅, dry toluene, reflux

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In-vitro cytotoxic and radiosensitizing evaluation of novel 2-pyridone, isoquinoline, chromene and chromenopyridone derivatives

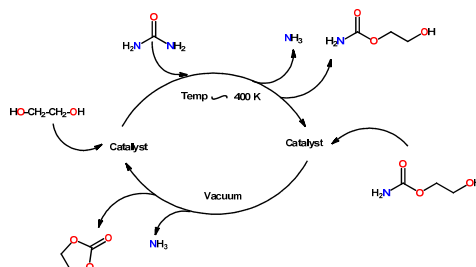
Mansour Sulaiman Al-Said, Marwa Galal El-Gazzar and Mostafa Mohammed Ghorab



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Synthesis of ethylene carbonate from cyclocondensation of ethylene glycol and urea over ZnO•Cr₂O₃ catalyst system controlled by co-precipitation method

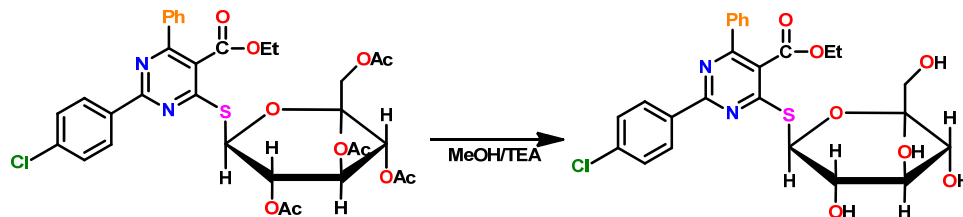
Sheenu Bhadauria, Samidha Saxena, Rajendra Prasad, Prabhakar Sharma, Rajendra Prasad and Reena Dwivedi



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Synthesis of some new S-glycosyl pyrimidine and condensed pyrimidine derivatives

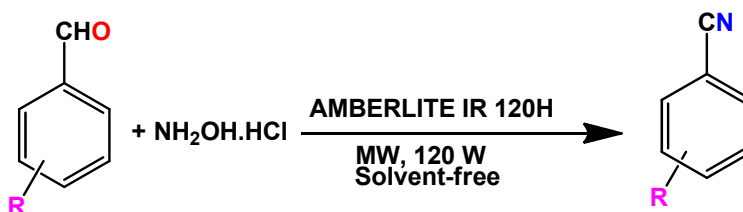
Wesam Saber Shehab and Enaiat Kamel Mohamed



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Amberlite IR-120H: An improved reusable solid phase catalyst for the synthesis of nitriles under solvent free microwave irradiation

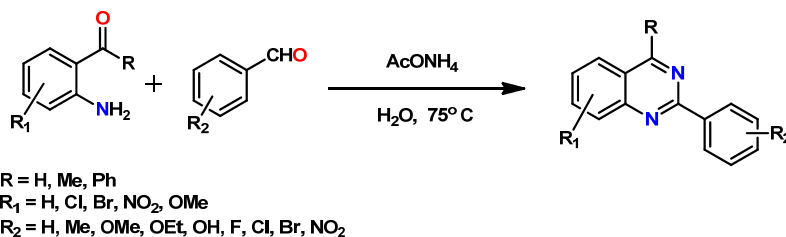
Anitha Varghese, Aatika Nizam, Rajani Kulkarni and Louis George



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Simple and straight forward synthesis of 2,4-disubstituted quinazolines in aqueous medium

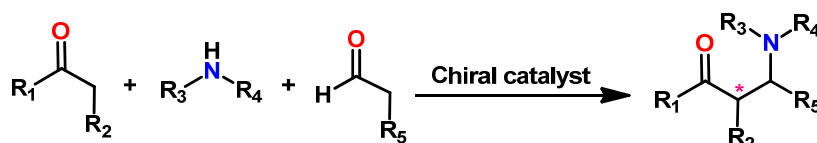
Madhav Bandaru, Narayana Murthy Sabbavarapu, Anil Kumar Bandam Santosh Pavan, Ashwan Kumar Akula and Nageswar Yadavalli Venkata Durga



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Recent progress in the asymmetric Mannich reaction

Cai Xiao-Hua, Guo Hui and Xie Bing



This review provides an overview of the recent history of applications of various catalytic systems in asymmetric Mannich reaction, including metal-based asymmetric organocatalysis, asymmetric organocatalysis, other chiral catalysis and no-chiral-catalyst systems.