

# European Journal of Chemistry

An International Open Access Journal

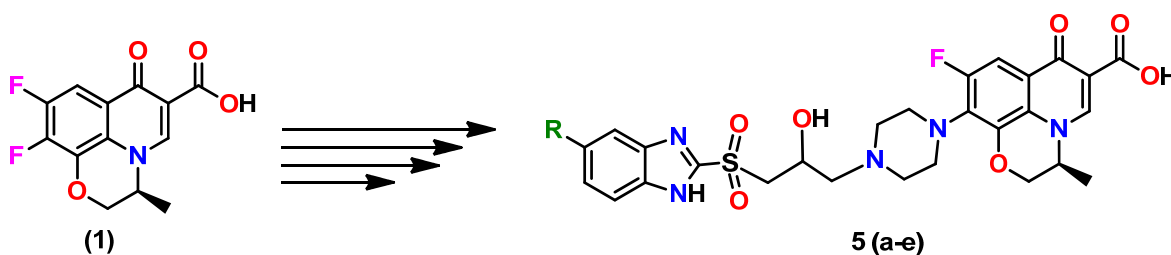
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Volume 4, Issue 4, 31 December 2013

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**Synthesis and biological evaluation of novel  $\beta$ -hydroxy benzimidazolyl sulfone fluoroquinolones by selective oxidation using ammonium molybdate catalysed  $H_2O_2$**

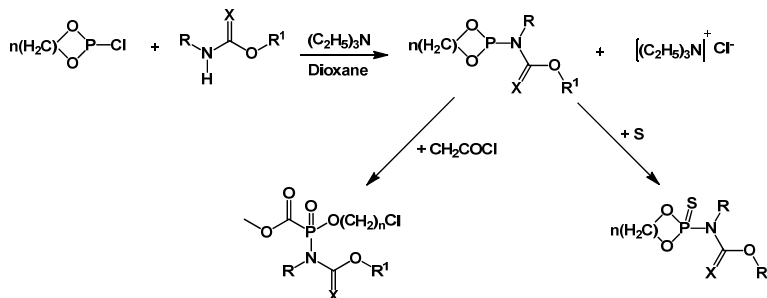
Bathini Guruswamy, Rama Krishnan Arul, Muggu Venkata Satya Rama Krishna Chaitanya and Sai Subrahmanya Praveen Kumar Darsi



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**Synthesis of intermediate compounds with P-N bond from (thio)carbamates and chlorodioxaphospholanes and -phosphorinanes and their reactivity**

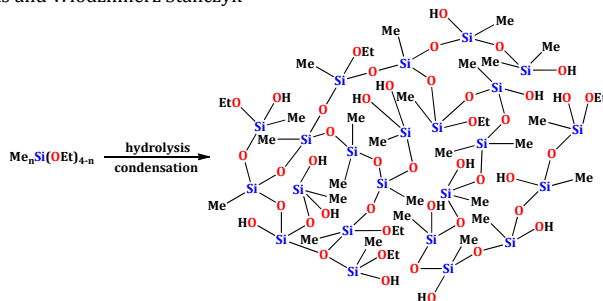
Dmitry Murzin and Vera Kolesova



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**Investigation of hydrolysis and condensation of methyltriethoxysilane in aqueous systems**

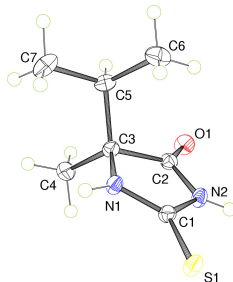
Jan Kurjata, Krystyna Rozga-Wijas and Wlodzimierz Stanczyk



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### Synthesis and crystal structure of (S)-5-isopropyl-5-methyl-2-thiohydantoin

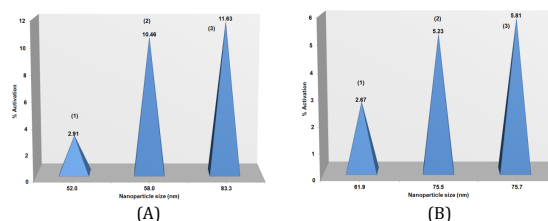
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### Biochemical study for gold and silver nanoparticles on thyroid hormone levels in saliva of patients with chronic renal failure

Abdulkadir Mohammed Noori Jassim and Fatin Fadhel Mohammed Al-Kazaz

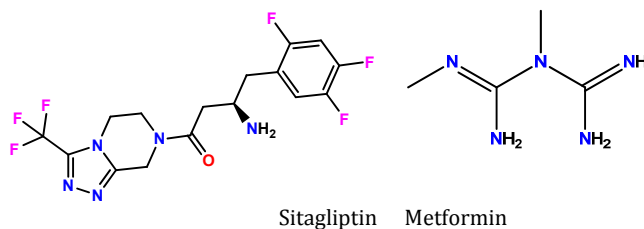


The effect of different particle size of (A) AuNps (1-700 mJ/Pulse; 2-500 mJ/Pulse; 3-600 mJ/Pulse) and (B) AgNPs(1-750 mJ/Pulse; 2-600 mJ/Pulse; 3-500 mJ/Pulse) on the binding T3 to be used in the ELISA test.

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### Simultaneous determination of sitagliptin and metformin in ternary mixture with sitagliptin acid degradation product

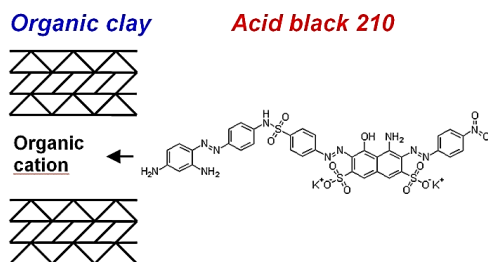
Ramzia Ismail El-Bagary, Ehab Farouk Elkady, and Bassam Mahfouz Ayoub



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### Uptake of acid black 210 dye by organo-montmorillonite clay minerals

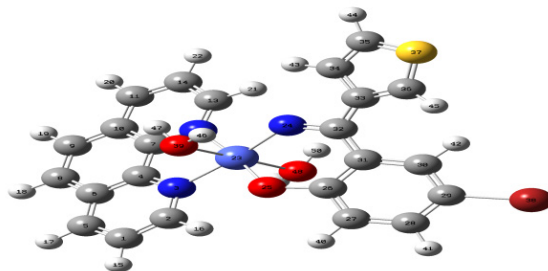
Cristina Volzone, Norma Gallegos, Carlos Cantera and Alberto Greco



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**Mixed bivalent transition metal complexes of 1,10-phenanthroline and 2-aminomethylthiophenyl-4-bromosalicylaldehyde Schiff base: Spectroscopic, molecular modeling and biological activities**

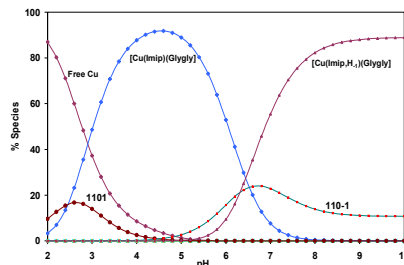
Mutlaq Shedeed Aljadhali, Ahmed Abdou El-Sherif, Rifaat Hasan Hilal and Abeer Taha Abdel-Karim



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**Complex formation equilibria of imipenem with some transition metal ions. Ternary complex formation reactions involving Cu(II) with imipenem and various bio-relevant ligands**

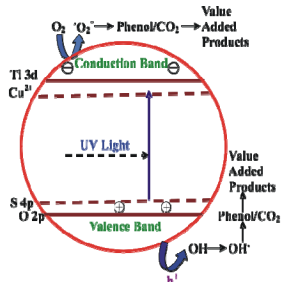
Azza Abdelwahab Shoukry



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**Highly active mesoporous SiO<sub>2</sub>-TiO<sub>2</sub> based nanocomposites for photocatalytic degradation of textile dyes and phenol**

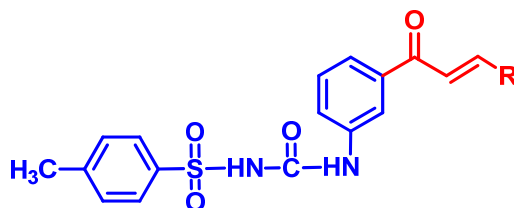
Asima Siddiqa, Sumbul Sabir, Syed Tajammul Hussain and Bakhtiar Muhammad



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Bharat Kumar Bugata, Satya Venkata Gopala Krishna Kaladhar Dowluru, Vasudeva Rao Avupati, Venkateswara Rao Gavalapu, Divakara Laxman Somayajulu Nori and Sreenu Barla

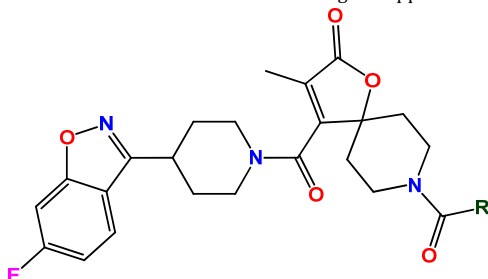


**Diarylsulfonylurea-chalcone hybrids (4a-4y)**

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**New synthetic benzisoxazole derivatives as antimicrobial, antioxidant and anti-inflammatory agents**

Chalya Mallappaji Shivaprasad, Swamy Jagadish, Toreshettahally Ramesh Swaroop, Chakrabhavi Dhananjaya Mohan, Rangaswamy Roopashree, Kothanahally Shivaramu Sharath Kumar and Kanchugarakoppal Subbegowda Rangappa



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**Kinetics and mechanism of oxidation of amido black by sodium *N*-halo-*p*-toluenesulfonamides in acidic medium: Spectrophotometric approach**

Jayachamarajapura Pranesh Shubha, Kotabagi Vinutha and Puttaswamy Puttaswamy

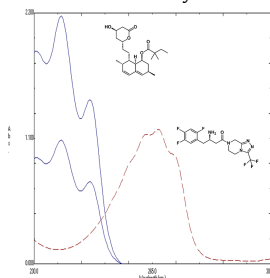
$$\text{Rate} = \frac{K_1 k_2 [\text{Oxidant}]_t [\text{AB}] [\text{H}^+]}{1 + K_1 [\text{H}^+]}$$

Under identical experimental conditions, reactions with both the oxidants follow identical kinetics with a first-order dependence on each  $[\text{Oxidant}]_0$  and  $[\text{AB}]$  and a fractional-order dependence on  $[\text{HClO}_4]$ .

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**Simultaneous determination of Simvastatin and Sitagliptin in tablets by new univariate spectrophotometric and multivariate factor based methods**

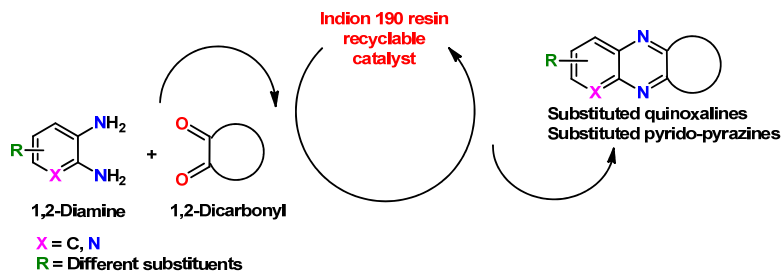
Hayam Mahmoud Lotfy, Maha Abdel Monem Hegazy and Sherif Abdel Naby Abdel-Gawad



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**Indion 190 resin: Reusable catalyst for the synthesis of quinoxalines and pyrido-pyrazines at ambient temperature**

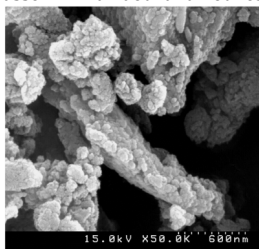
Gangadhar Asaram Meshram, Shruti Shashank Deshpande, Vipul Amratlal Vala and Pramod Arun Wagh



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**Lead uptake by new silica-carbon nanoparticles**

Hassan Hasan Hammud, Mayssam Mostafa Chahine, Bassem El Hamaoui and Younes Hanifehpour

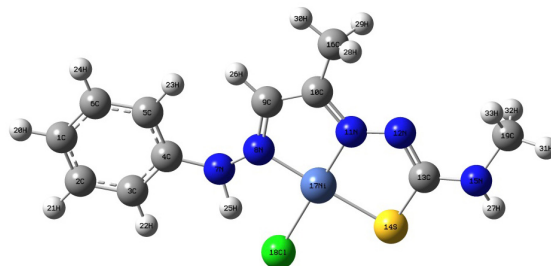


Silica carbon nanoparticle for lead uptake

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**Nickel(II) complexes of novel thiosemicarbazone compounds: Synthesis, characterization, molecular modeling and in vitro antimicrobial activity**

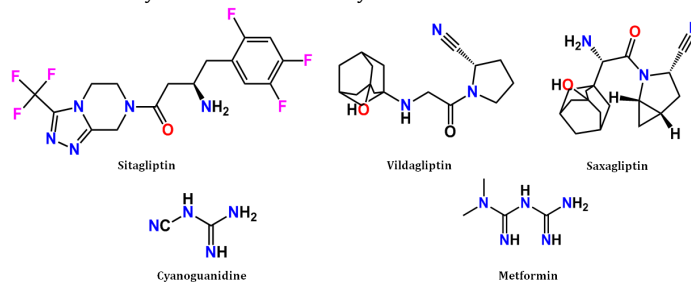
Mutlaq Shedeed Aljahdali



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**Development and validation of a reversed phase liquid chromatographic method for the determination of three Gliptins and Metformin in the presence of Metformin impurity (1-cyanoguanidine)**

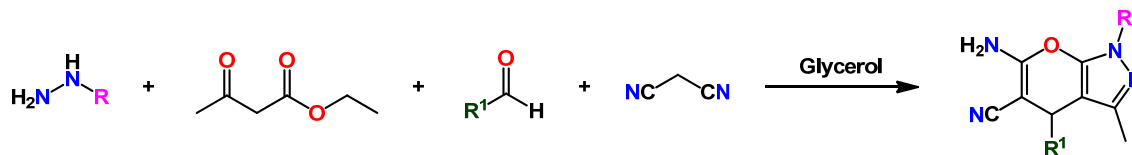
Ramzia Ismail El-Bagary, Ehab Farouk Elkady and Bassam Mahfouz Ayoub



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**Glycerol mediated, one pot, multicomponent synthesis of dihydropyrano[2,3-c]pyrazoles**

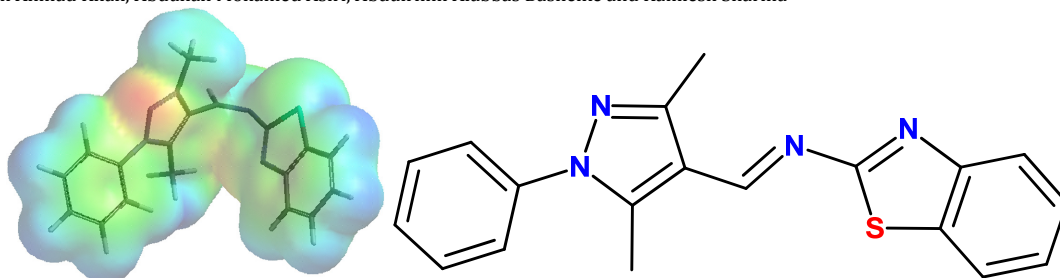
Harvinder Singh Sohal, Arun Goyal, Rajeev Sharma, Rajshree Khare and Sanjay Kumar



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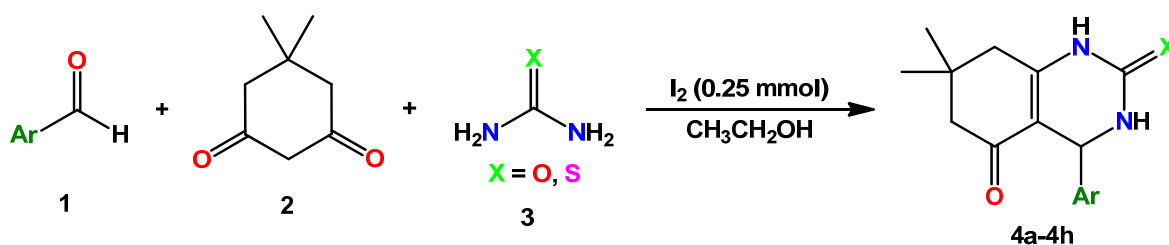
Salman Ahmad Khan, Abdullah Mohamed Asiri, Abdulrhim Alabbas Basheike and Kamlesh Sharma



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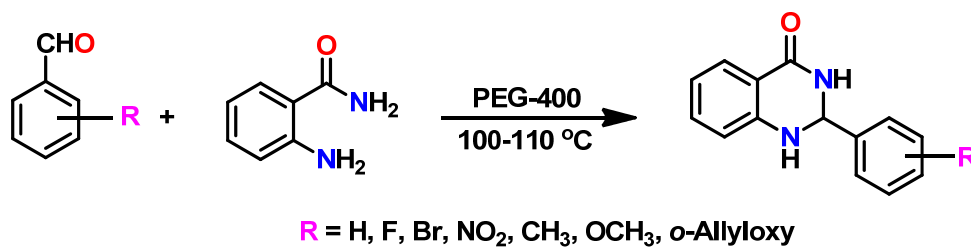
Mohsen Abdel-Motaal Gomaa, Abdel-Wahed Rashad Sayed and Ragab Ali Masoud



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Ashraf Hassan Fekry Abd El-Wahab, Hany Mostafa Mohamed, Ahmed Mohamed El-Agrody and Ahmed Hammam Bedair

