

European Journal of Chemistry

An International Open Access Journal

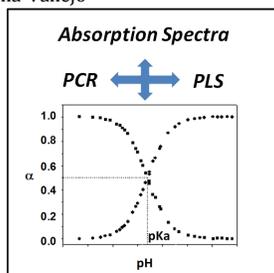
Graphical Contents

Volume 5, Issue 1, 31 March 2014

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New chemometric strategies in the spectrophotometric determination of pKa

Judith Amador-Hernández, Alberto Rojas-Hernández, Edith Madai Colunga-Urbina, Iliana Margarita De La Garza-Rodríguez, Miguel Velázquez-Manzanares, and Luis Felipe Medina-Vallejo

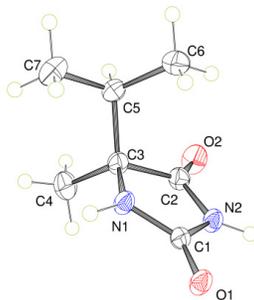


By first time, the multivariate calibration techniques of PCR and PLS were used for the estimation of pK_a through the prediction of α values.

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Crystal structures of racemic and enantiomeric 5-isopropyl-5-methylhydantoin

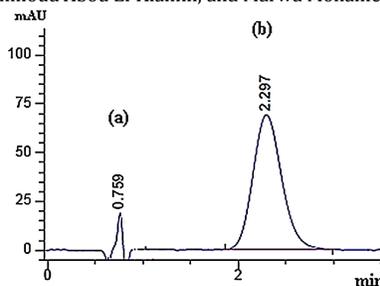
Masaki Ichitani, Soh-ichi Kitoh, Keiko Tanaka, Shuhei Fujinami, Mitsuhiko Suda, Mitsunori Honda and Ko-Ki Kunimoto



European Journal of Chemistry 5 (1) (2014) 11-17

Micellar high performance liquid chromatographic determination of Itraconazole in bulk, pharmaceutical dosage forms and human plasma

Mohamed Rizk, Safaa Shafik Toubar, Maha Mahmoud Abou El-Alamin, and Marwa Mohamed Mahmoud Azab

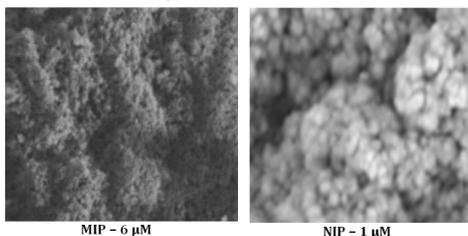


ITC Chromatogram under optimum chromatographic conditions using μ Bondapack cyano column (a) Solvent front peak (b) ITC peak (200 μ g/mL).

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A new potentiometric sensor based on molecularly imprinted polymer for analysis of a veterinary drug imidocarb dipropionate

Mohammed Rizk, Safaa Shafik Toubar, Hossam Ezz El-Din Sayour, Dalia Mohamed and Rehab Moussa Touny

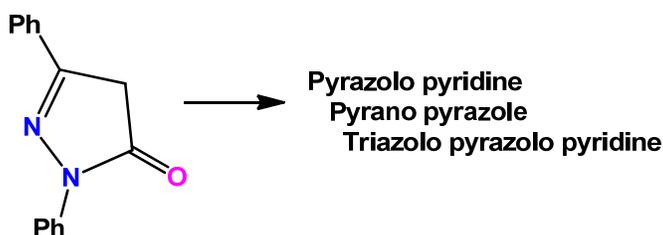


A novel potentiometric sensor based on molecularly imprinted polymer (MIP) was fabricated for the recognition and determination of imidocarb dipropionate.

European Journal of Chemistry 5 (1) (2014) 24-32

Synthesis and characterization of novel pyrazolone derivatives

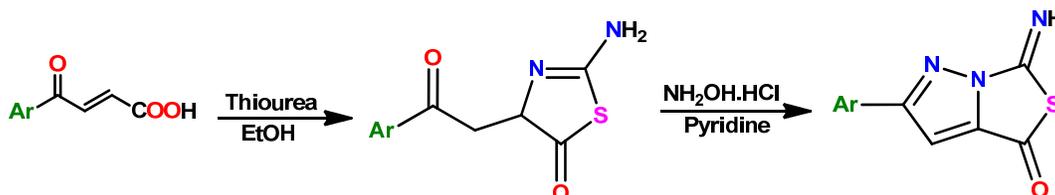
Magda Ismail Marzouk, Galal Hosni Sayed, Mohamed Said Abd ElHalim and Salma Yehia Mansour



European Journal of Chemistry 5 (1) (2014) 33-40

Facile synthesis of new fused and non-fused heterocyclic systems from a γ -ketoacid

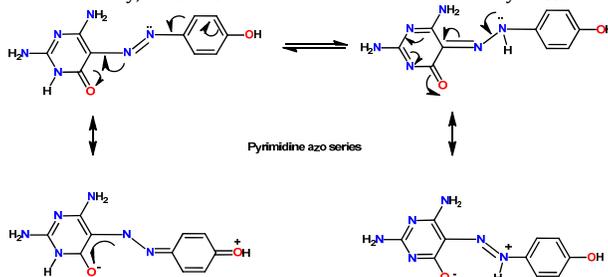
Marwa Sayed Salem, Maher Abd El-Aziz Mahmoud El-Hashash, Al-Shimaa Omar Ali Mahmoud, and Hassan Mohamed Fawzy Madkour



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Spectrophotometric studies on some arylazo diamino pyrimidinol in organic solvents and in buffer solutions

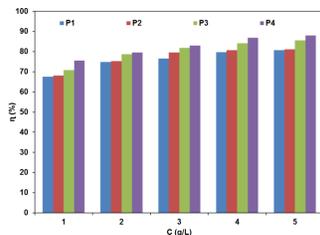
Nadia Ahmed Abdalla, Mohamed Tawfek El-Haty, Farok Abd-Elkarim Adam and Fatma Wafdy Hassan



European Journal of Chemistry 5 (1) (2014) 53-64

Influence of some synthesized pyrimidine derivatives on corrosion inhibition of mild steel in hydrochloric acid medium

Doddahosuru Mahadevappa Gurudatt and Kikkeri Narasimha Shetty Mohana

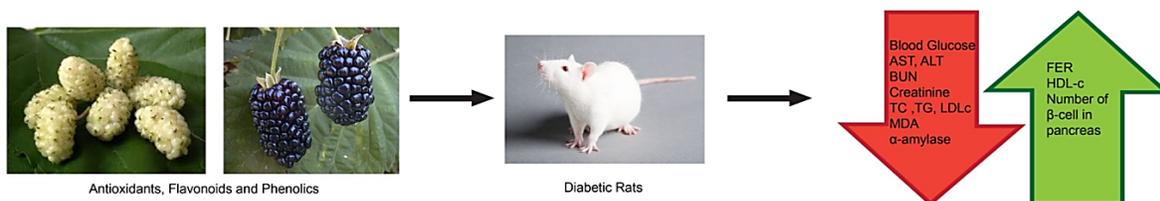


Pyrimidine derivatives acts as very good inhibitors for mild steel corrosion in 0.5 M HCl and inhibition efficiency increases with increase in concentration.

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Hypoglycemic effect of white (*Morus alba* L.) and black (*Morus nigra* L.) mulberry fruits in diabetic rat

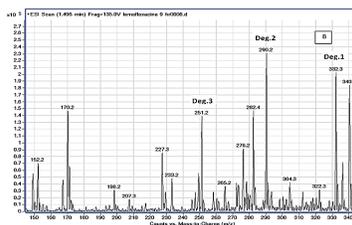
Hemdan Ibrahim Mahmoud, Said Mnaa Gad ElRab, Ayman Fathey Khalil and Samah Mohamed Ismael



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Photostability studies on gemifloxacin and lomefloxacin in bulk powder and dosage forms

Marwa Hosny Tamam

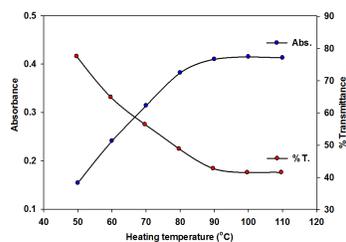


The photostability of gemifloxacin mesylate and lomefloxacin hydrochloride was studied. The structures of degradation products in the aqueous solution have been postulated from LC-MS/MS.

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A simple spectrophotometric method for determination of thiamine(vitamin B1) in pharmaceuticals

Khairia Mohammed Al-Ahmary

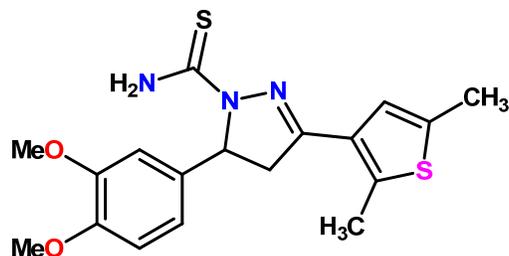


Effect of heating temperature on absorbance and percent transmittance of 16 μg/mL of thiamine using 1.5 M NaOH and 10% v:v H₂O₂

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Green synthesis, antibacterial activity and computational study of pyrazoline and pyrimidine derivatives from 3-(3,4-dimethoxy-phenyl-1-(2,5-dimethyl-thiophen-3-yl)-propenone

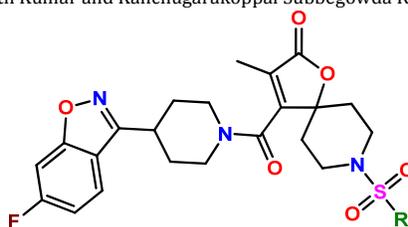
Salman Ahmad Khan, Abdullah Mohamed Asiri, Sanjay Kumar and Kamlesh Sharma



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Synthesis of new benzisoxazole derivatives and their antimicrobial, antioxidant and anti-inflammatory activities

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

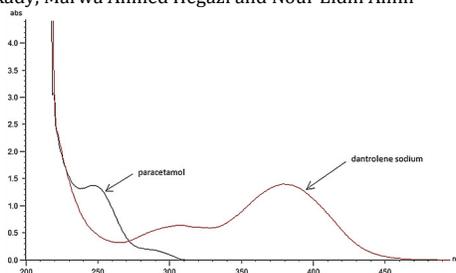


A series of novel benzisoxazole derivatives were evaluated for their antibacterial, anti-oxidant and anti-inflammatory activities. The results showed that most of the tested compounds exhibit good to moderate antimicrobial, antioxidant and anti-inflammatory activities.

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Spectrophotometric methods for the simultaneous determination of paracetamol and dantrolene sodium in pharmaceutical dosage form

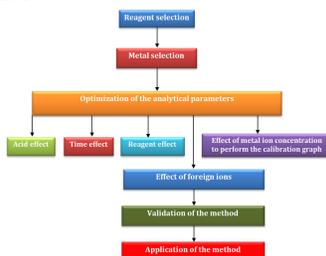
Ramzia Ismail El-Bagary, Ehab Farouk Elkady, Marwa Ahmed Hegazi and Nour Eldin Amin



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A simple and rapid spectrophotometric method for the determination of iron in environmental, biological, pharmaceutical, food and soil samples using 1,2-dihydroxybenzene-3,5-disulfonic acid

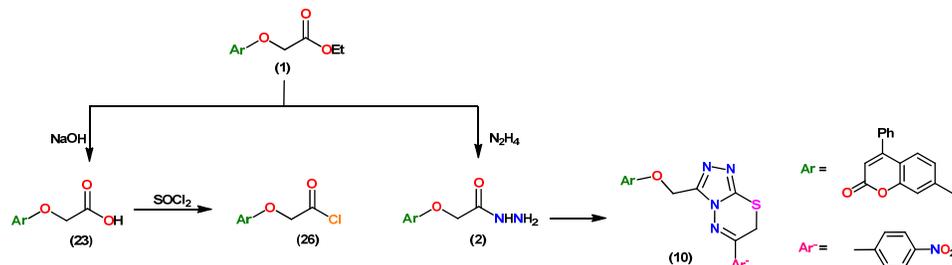
Tasnima Zannat and Mohammed Jamaluddin Ahmed



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Synthesis, reactions, antioxidant and anticancer evaluation of some novel coumarin derivatives using ethyl 2-(2-oxo-4-phenyl-2H-chromen-7-yloxy) acetate as a starting material

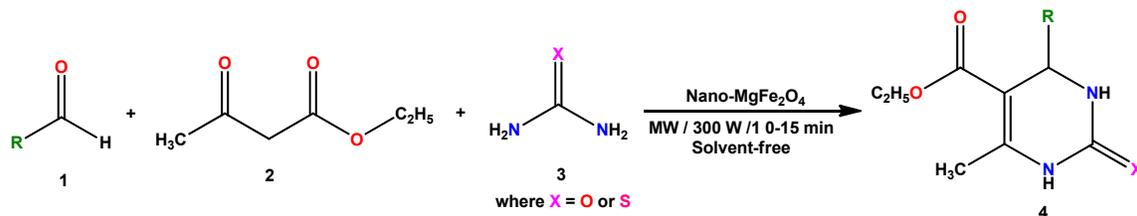
Ahmed Hamdy Halawa, Ahmed Abd El-Hameed Hassan, Mohamed Ahmed El-Nassag, Mahmoud Mohamed Abd El-All, Gehad Abd El-Raheem Abd El-Jaleel, Essam Mohamed Eliwa and Ahmed Hammam Bedair



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A microwave-assisted synthesis of 3,4-dihydropyrimidin-2(1H)-one/thione derivatives using nanocrystalline MgFe₂O₄ as catalyst

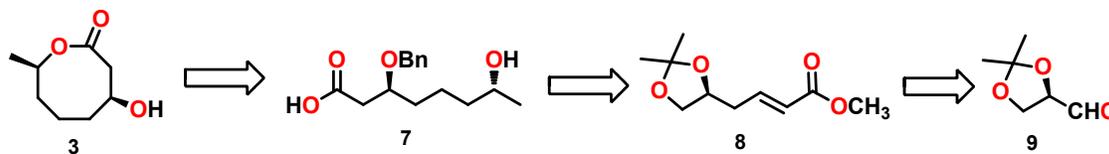
Chandrashekar Arunrao Ladole, Nilesh Govindrao Salunkhe, Ravindra Sakharam Bhaskar and Anand Shankarrao Aswar



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Stereoselective synthesis of (-) Cephalosporolide D

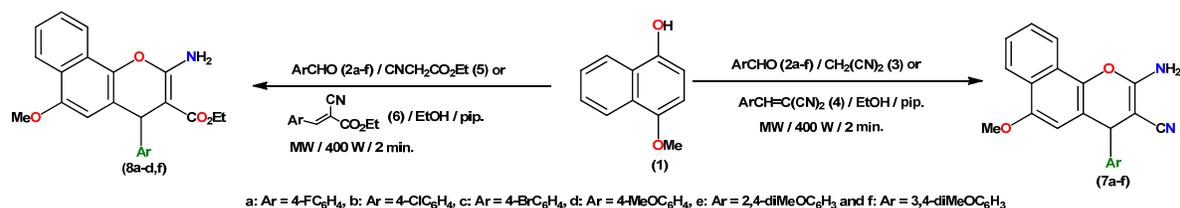
Karna Ji Harkala, Laxminarayana Eppakayala and Thirumala Chary Maringanti



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Microwave assisted synthesis of 2-amino-6-methoxy-4H-benzo[h]chromene derivatives

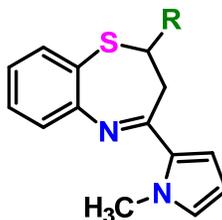
Ahmed Mohamed El-Agrody, Al-Anood Mohamed Al-Dies and Ahmed Mahmoud Fouda



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Microwave assisted synthesis and biological evaluation of a series of 1,5-benzothiazepines as potential cytotoxic and antimicrobial agents

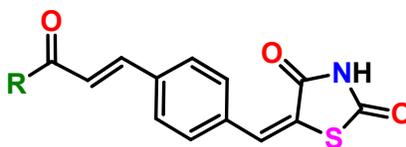
Subhash Yenupuri, Agastayaraju Venkata Lakshmi Narasimha Satyanarayana Hanumantha Hariharan, Bharat Kumar Bugata and Divakara Laxman Somayajulu Nori



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Synthesis, characterization and in vitro evaluation of some new 5-benzylidene-1,3-thiazolidine-2,4-dione analogs as new class of α -glucosidase inhibitors

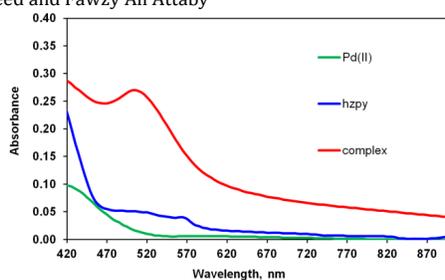
Divakara Laxman Somayajulu Nori, Kasapu Vishnu Veera Venkata Satyanarayana, Vasudeva Rao Avupati, Bharat Kumar Bugata and Subhash Yenupuri



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Spectrophotometric determination of palladium using 2-hydraziniopyridine

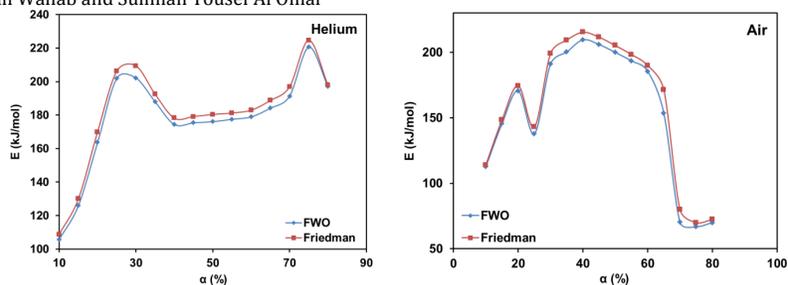
Ahmed Ahmed Soliman, Sattar Rajab Majeed and Fawzy Ali Attaby



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Synthesis, characterization and thermal decomposition kinetics of poly(2-imidazolidinthione-formaldehyde)

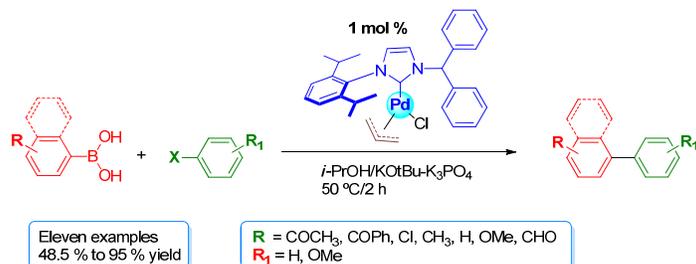
Naushad Ahmad, Rizwan Wahab and Suliman Yousef Al Omar



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An *N*-heterocyclic carbene-palladium- η^3 -allyl chloride complex for the Suzuki-Miyaura coupling of aryl halides

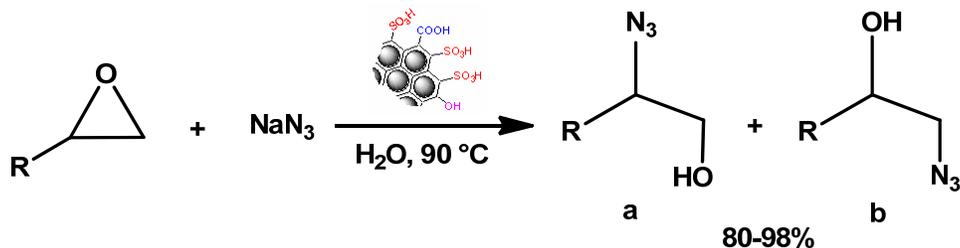
Noland William Broekemier, Noah Curtis Broekemier, Randall Thomas Short and Hector Palencia



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SO₃H-Carbon derived from glycerol: An efficient and recyclable catalyst for smooth and regioselective azidolysis of oxiranes in water

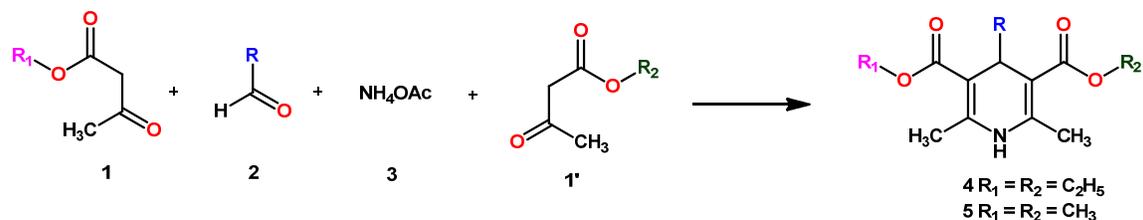
Vijay Manneganti, Badari Narayana Prasad Rachapudi, and Lakshmi Anu Prabhavathi Devi Bethala



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One-pot, multicomponent synthesis of symmetrical Hantzsch 1,4-dihydropyridine derivatives using glycerol as clean and green solvent

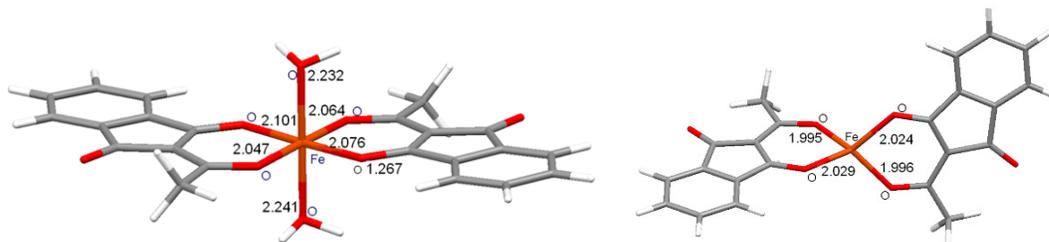
Harvinder Singh Sohal, Arun Goyal, Rajeev Sharma and Rajshree Khare



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A Mössbauer study on iron(II) complex of 2-acetyl-1,3-indandione - spin-crossover or structural changes

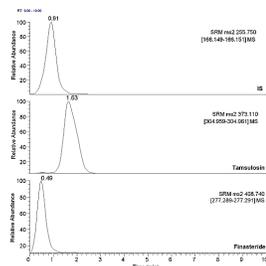
Ventzislav Rusanov, Anife Ahmedova and Mariana Mitewa



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Simultaneous quantitative analysis of tamsulosin and finasteride in pharmaceutical dosage form by U-HPLC Tandem mass spectrometry

Dalia Mohamed, Shereen Mowaka and Ahmed Mostafa



A sensitive and selective liquid chromatography coupled to quadrupole tandem mass spectrometry method was developed for simultaneous determination of tamsulosin and finasteride (Diphenhydramine as IS).

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IL-17 level in patients with acute myocardial infarction and its effect on lipid profile

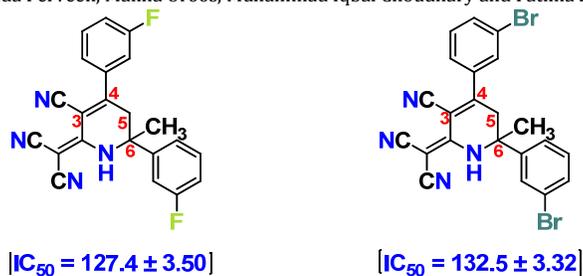
Ammal Esmaeel Ibrahim, Hiba Ali Hasan and Alaa Hussein Jawad



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1,1-Diphenyl-2-picrylhydrazyl radical scavenging activity of novel dihydropyridine derivatives

Ayaz Anwar, Abdul Hameed, Shahida Perveen, Maliha Uroos, Muhammad Iqbal Choudhary and Fatima Zahra Basha



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Arylazoazines and arylazoazoles as interesting disperse dyes: Recent developments with emphasis on our contribution laboratory outcomes

Saleh Mohammed Al-Mousawi, Morsy Ahmed El-Asasery, and Mohamed Hilmy Elnagdi

