

REVUE ROUMAINE DE CHIMIE (ROMANIAN JOURNAL OF CHEMISTRY)

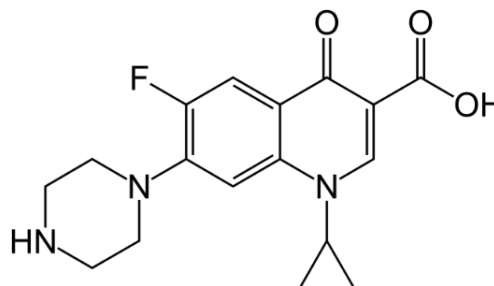
Tome 69, N^{os} 7–8

Juliet–Aôut 2024

PAPERS

Arash ALBORJI, Milad ABNIKI
and Ali MOGHIMI

Magnetic dispersive solid-phase extraction of ciprofloxacin drug as β -cyclodextrin functionalized magnetic nanotubes on Fe_3O_4 nanoparticles

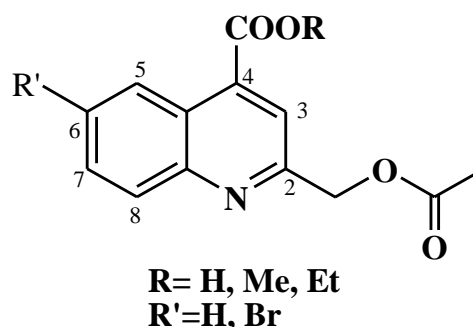


DOI: 10.33224/rrech.2024.69.7-8.01
Rev. Roum. Chim., 2024, 69(7–8), 341–349

Key words: β -cyclodextrin, adsorption, ciprofloxacin, SPE, nanoparticles.

Fatiha BELFERDI, Naima MERABET
and Armen PANOSSIAN

Microwave and conventional synthesis of novel quinoline derivatives: Claisen type rearrangement

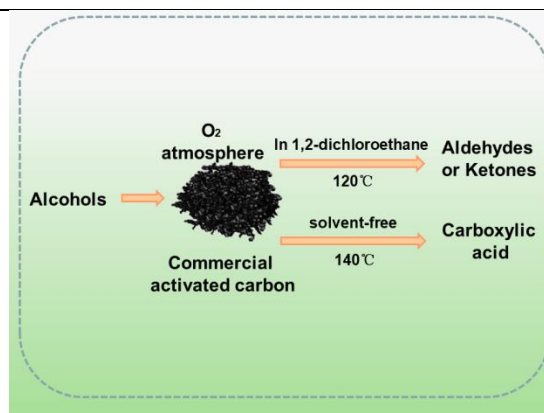


DOI: 10.33224/rrech.2024.69.7-8.02
Rev. Roum. Chim., 2024, 69(7–8), 351–356

Key words: quinoline, microwave, N-oxide, [3,3]-sigmatropic Claisen rearrangement.

Xing WANG, Hui WEN, Yake LIU,
Ang KONG, Ruihua ZHAI, Di LIU
and Qingbin GUO

A facile, selective aerobic oxidation of alcohols over commercial activated carbon

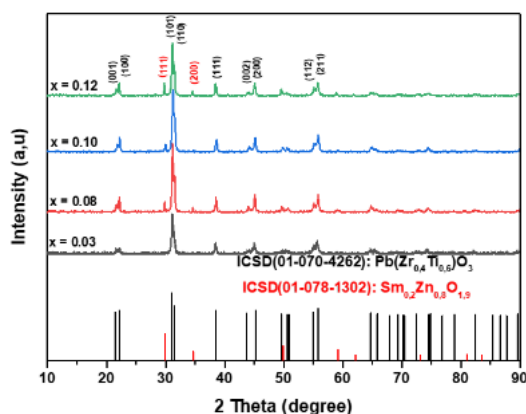


DOI: 10.33224/rrech.2024.69.7-8.03
Rev. Roum. Chim., 2024, 69(7–8), 357–363

Key words: commercial activated carbon, alcohols, selective oxidation, aldehydes, carboxylic acids, catalyst.

**Malika ABBA, Abdelhek MEKLID,
Adel KHIOUANI, Salah Eddine HACHANI
and Rahima RAHAL**

Structural, physical, morphological and dielectric properties of Sm modified PZT-PMI binary ceramics

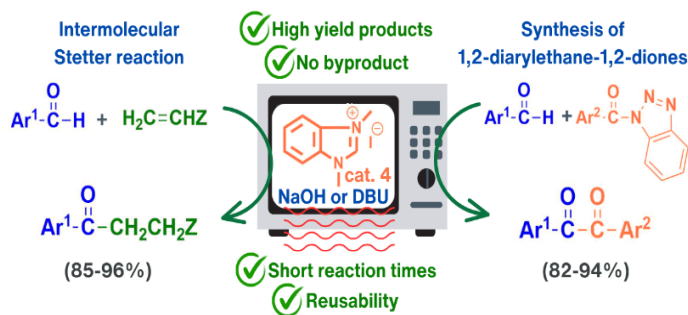


DOI: 10.33224/rrch.2024.69.7-8.04
Rev. Roum. Chim., 2024, 69(7–8), 365–373

Key words: PSZT-PMI, XRD, SEM, density, dielectric, tetragonal.

**Baramee PHUNGPIS, Pakin NOPPAWAN
and Kanokkan WORAWUT**

Microwave-assisted *N,N'*-dimethylbenzimidazolium iodide as a powerful and efficient catalytic system for the intermolecular Stetter reaction and the synthesis of 1,2-diarylethane-1,2-dione derivatives in the absence of organic solvent

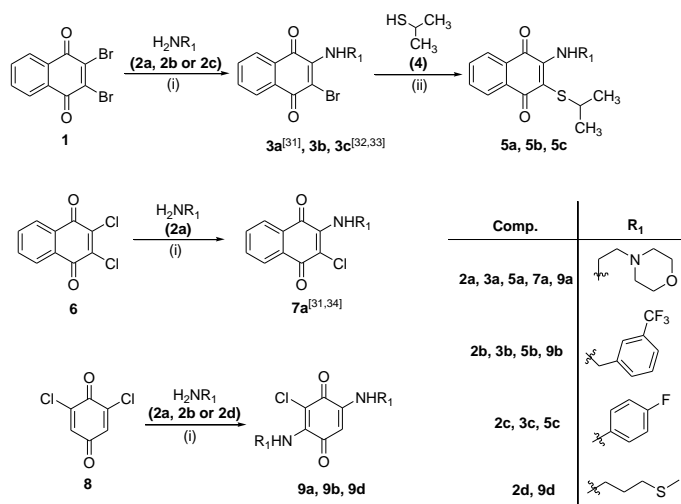


DOI: 10.33224/rrch.2024.69.7-8.05
Rev. Roum. Chim., 2024, 69(7–8), 375–389

Key words: 1,2-dicarbonyl compound; 1,4-addition; *N,N'*-dimethylbenzimidazolium iodide; *N*-heterocyclic carbenes; microwave irradiation; Stetter reaction.

Ayşecik KAÇMAZ

Some amino- and thio- substituted 1,4-quinones: synthesis and characterization



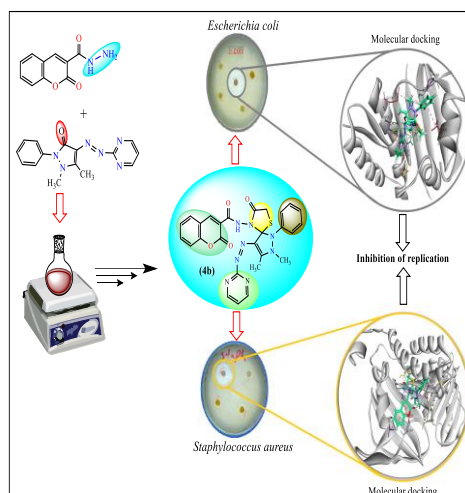
(i) CHCl₃ for 3a and 3b; CH₂Cl₂ for 3c
(ii) CHCl₃ and triethylamine for 5a, 5c; CH₂Cl₂, acetone and triethylamine for 5b.

DOI: 10.33224/rrch.2024.69.7-8.06
Rev. Roum. Chim., 2024, 69(7–8), 391–398

Key words: aminonaphthoquinones; thiols; amines; 2,6-dichloro-1,4-benzoquinone.

Abdallah FATHI AL-BURGUS, Omar THANOON-ALI and Omar YOUNIS AL-ABBASY

Design, synthesis and molecular docking of new spiro heterocyclic coumarin as antibacterial agents

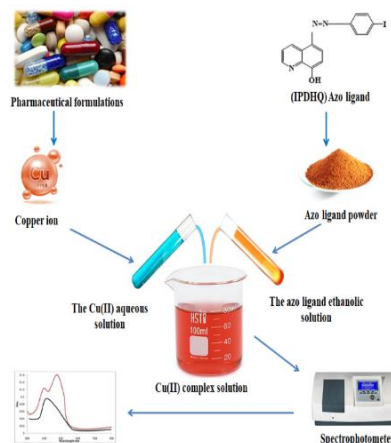


Key words: spiro heterocyclic, coumarin, antibacterial activity, molecular docking.

DOI: 10.33224/rrch.2024.69.7-8.07
Rev. Roum. Chim., 2024, 69(7–8), 399–404

Esraa Rasool RADHI

Spectrophotometric determination of Cu(II) using a synthesized azo quinoline ligand as analytical reagent

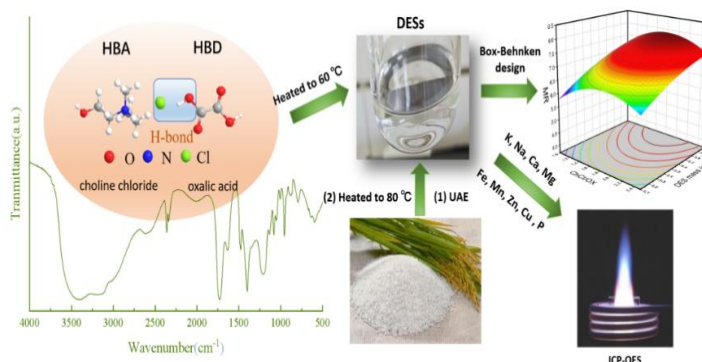


Key words: spectrophotometric determination, azo quinoline ligand, 4-iodoaniline, Cu(II) azo complex.

DOI: 10.33224/rrch.2024.69.7-8.08
Rev. Roum. Chim., 2024, 69(7–8), 405–412

Wenzhi ZHAO, Xu XIE, Tian HE, Jintao ZHANG and Jiufen LIU

Ultrasound-assisted digestion using choline chloride-oxalic acid deep eutectic solvent for macro and microelements determination in rice by ICP-OES

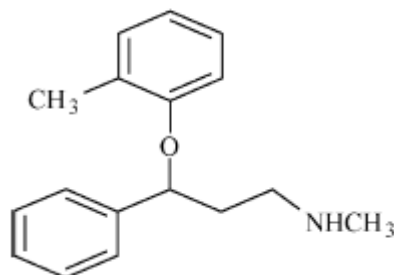


Key words: green chemistry, deep eutectic solvent, ultrasound assisted extraction, elemental analysis, rice, ICP-OES.

DOI: 10.33224/rrch.2024.69.7-8.09
Rev. Roum. Chim., 2024, 69(7–8), 413–421

**Burhan CEYLAN, Nurdan KURNAZ YETIM,
Cemile ÖZCAN, Mümin Mehmet KOÇ
and Cem ÖNAL**

Magnetic micro solid-phase extraction for a novel UHPLC-DAD method for the determination of atomoxetine (ATX) in breast milk and human plasma

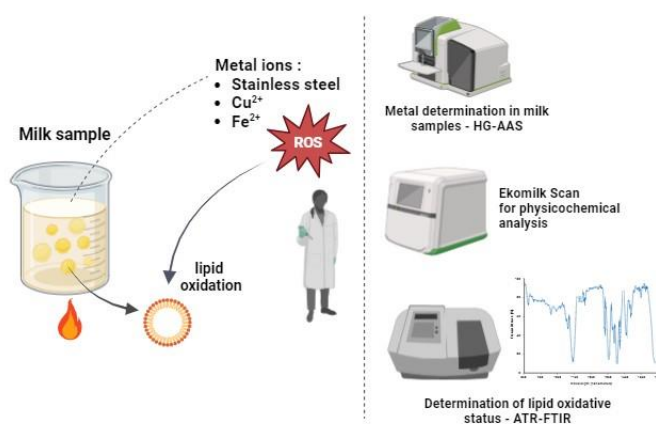


DOI: 10.33224/rrch.2024.69.7-8.10
Rev. Roum. Chim., 2024, 69(7–8), 423–43

Key words: atomoxetine, magnetic micro solid phase extraction, human plasma, breast milk, UHPLC-DAD.

**Raif BYTYÇI, Artan GASHI,
Carolina KREBS De SOUZA,
Caroline KNEBEL KUHN
and Fatos REXHEPI**

Influence of metal ions on the oxidative stability of heated milk: study by ATR-FTIR spectroscopy and chemometrics



DOI: 10.33224/rrch.2024.69.7-8.11
Rev. Roum. Chim., 2024, 69(7–8), 433–439

Key words: ATR-FTIR spectroscopy, principal component analysis (PCA), milk fat oxidation, ratio intensities, metal ions.