

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

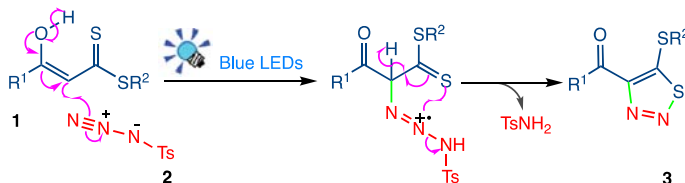
Tome 65, N° 3

Mars 2020

PAPERS

Vishal SRIVASTAVA, Pravin K. SINGH and Praveen P. SINGH

Visible light promoted synthesis of disubstituted 1,2,3-thiadiazoles

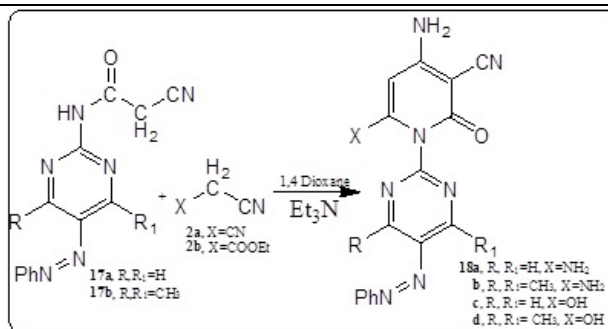


DOI: 10.33224/rch.2020.65.3.01
Rev. Roum. Chim., 2020, 65(3), 221-226

Key words: visible light, thiadiazole, eosin Y, tosyl azide, green chemistry.

Mohammed M. ALBRATTY, Karam A. EL-SHARKAWY and Hassan A. AIHAZMI

Design, synthesis and biological evaluation of pyrimidine-based derivatives as antitumor agents

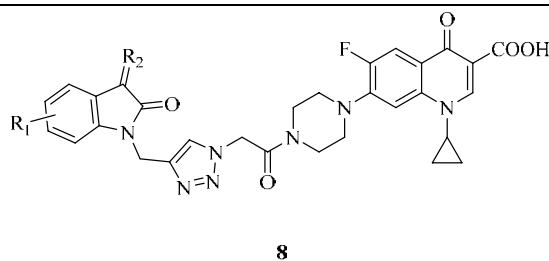


DOI: 10.33224/rch.2020.65.3.02
Rev. Roum. Chim., 2020, 65(3), 227-238

Key words: pyrimidine, pyridopyrimidine, pyrimidopyridazine, antitumor activity.

Hua GUO and Quan-Ping DIAO

Gatifloxacin-1,2,3-triazole-isatin hybrids tethered through methylene and acetyl and their antibacterial activities

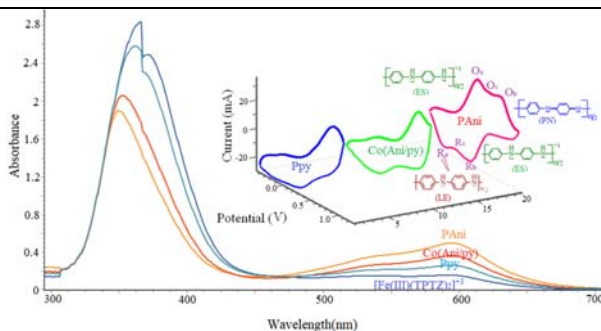


DOI: 10.33224/rch.2020.65.3.03
Rev. Roum. Chim., 2020, 65(3), 239-246

Key words: gatifloxacin, isatin, 1,2,3-triazole, antibacterial, drug-resistant pathogen, structure-activity relationship.

Nafiseh HAJIABDOLAH, Ali PARSA, Hossein ANARAKI-ARDAKANI and Hossein JALALI-JAHROMI

Iron(III) reduction as a measure of “antioxidant power” using homo and copolymer of pyrrole and aniline electrosynthesized



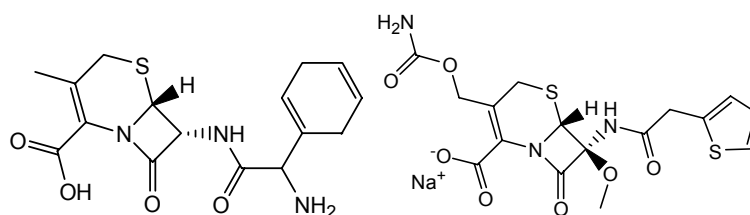
DOI: 10.33224/rch.2020.65.3.04
Rev. Roum. Chim., 2020, 65(3), 247-254

Key words: electroynthesis, ferric reduction, poly (aniline-co-pyrrole), EIS.

Lamia A. ALBEDAIR, Samar O. ALJAZZAR, Amani S. ALTURIQI, Mohamed I. KOBEASY and Moamen S. REFAT

Spectro-analytical, antimicrobial and antitumor studies of the first and second generation of cephalosporin combined with ruthenium(III) ion as a drug model

DOI: 10.33224/rch.2020.65.3.05
Rev. Roum. Chim., 2020, 65(3), 255-268

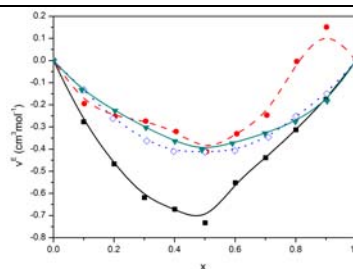


Key words: cefradine, ceftioxin, ruthenium, chelation, chemical structure, antimicrobial, anticancer.

Mona GEORGESCU, Viorica MELTZER and Elena PINCU

Excess molar volumes and partial molar volumes for binary mixtures propanoic acid with 1-propanol, 2-propanol, 1-butanol and 1-pentanol

DOI: 10.33224/rch.2020.65.3.06
Rev. Roum. Chim., 2020, 65(3), 269-275

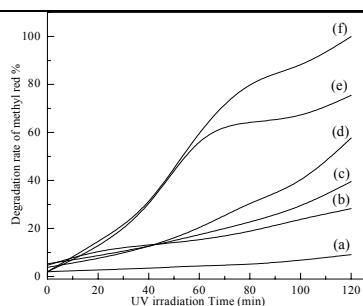


Key words: excess molar volume, partial molar volume, hydrogen bond, Redlich – Kister equation.

Mohamad KASSEM

Preparation and evaluation of photocatalytic activity of tin-doped titanium hydrogen phosphate for the removal of Methyl Red dye

DOI: 10.33224/rch.2020.65.3.07
Rev. Roum. Chim., 2020, 65(3), 277-281

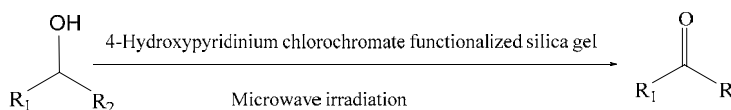


Key words: α -titanium phosphate, Tin, photocatalyst, Methyl Red.

Shermineh Sadat GHALEHBANDI, Dadkhoda GHAZANFARI, Sayed Ali AHMADI and Enayatollah SHEIKHHOSSEINI

Solvent-free, microwave assisted oxidation of alcohols with 4-hydroxypyridinium chlorochromate functionalized silica gel

DOI: 10.33224/rch.2020.65.3.08
Rev. Roum. Chim., 2020, 65(3), 283-289



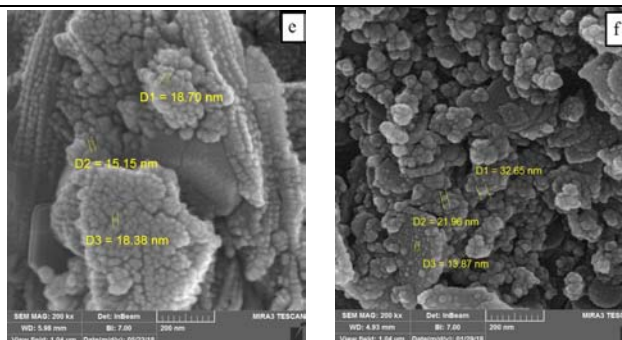
$R_1, R_2 = H, \text{alkyl, allyl, aryl}$

Key words: 4-Hydroxypyridinium chlorochromate, microwave irradiation, silica gel, alcohols.

Rokhsareh MOTALLEBI, Ali MOGHIMI, Hamidreza SHAHBAZI and Hakim FARAJI

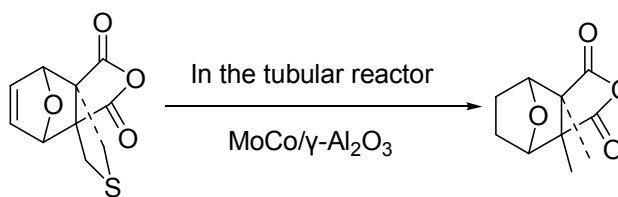
The efficiency of Fe@Mg-Al layered double hydroxide for cadmium removal from water samples

DOI: 10.33224/rch.2020.65.3.09
Rev. Roum. Chim., 2020, 65(3), 291-303



Key words: layered double hydroxide, flame atomic absorption spectroscopy, cadmium, ammonium pyrrolidine dithiocarbamate.

NOTE

**Chun-Bin TAN, Ai-Quan FANG, Xiao-Ling LIU
and Hong-Fei DU**MoCo/ γ -Al₂O₃-catalyzed hydrodesulfurization to
synthesis of cantharidin-based moleculesDOI: 10.33224/rrch.2020.65.3.10
Rev. Roum. Chim., **2020**, 65(3), 305-307**Key words:** hydrodesulfurization, synthesis, cantharidin-based molecules,
the tubular reactor, MoCo/ γ -Al₂O₃.

