

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

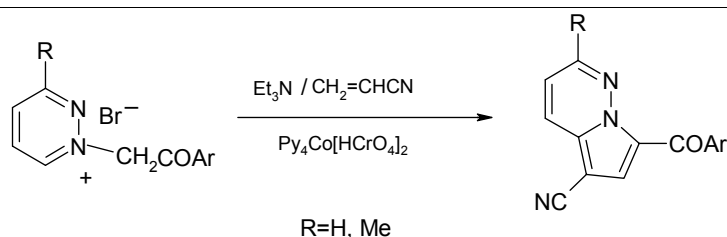
Tome 53, N° 4

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PAPERS

Florea DUMITRAȘCU, Constantin DRĂGHICI,
Barbu MIU, Miron T. CĂPROIU,
Loredana BARBU and Dan G. DUMITRESCU

A novel approach for the synthesis of pyrrolo[1,2-b]pyridazine derivatives

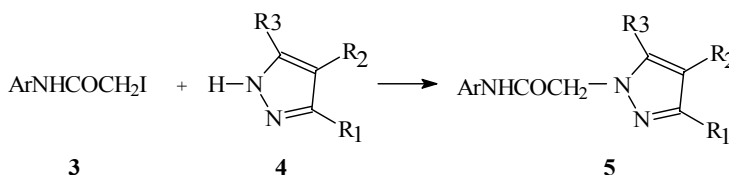


Key words: pyridazinium *N*-ylides, 1,3-dipolar cycloaddition, tetrakis-pyridine cobalt (II) dichromate, pyrrolo[1,2-b]pyridazine.

Rev. Roum. Chim., 2007, 53(4), 261-265

Christina ZĂLARU, Florea DUMITRAȘCU,
Isabela ȚĂRCOMNICU and Marian NEAȚĂ

New pyrazole derivatives with potential local
anesthetic activity

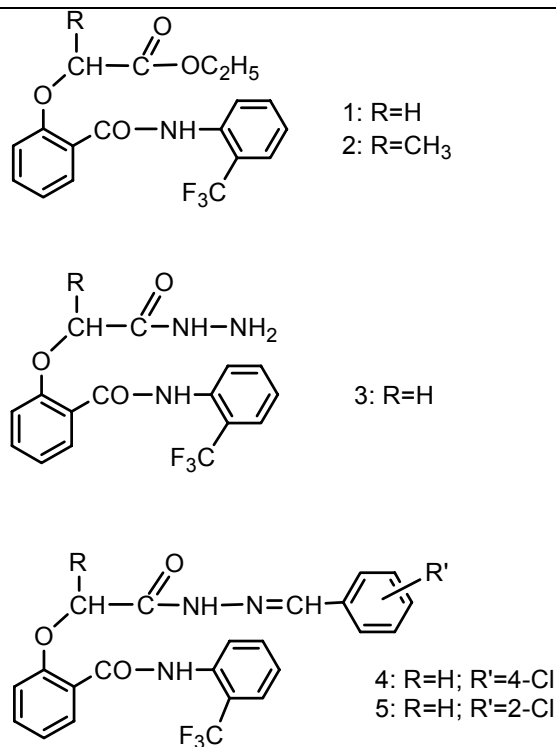


Key words: pyrazoles, 2'-iodoacetanilides, *N*-alkylation, anesthetic.

Rev. Roum. Chim., 2007, 53(4), 267-271

Ioana M. C. IENAȘCU, Alfa X. LUPEA,
Iuliana M. POPESCU, Cristina MOȘOARCĂ
and Alina D. ZAMFIR

Synthesis and characterization of some novel 2-
hydroxy-*N*-(2-trifluoromethyl-phenyl)-benzamide
derivatives

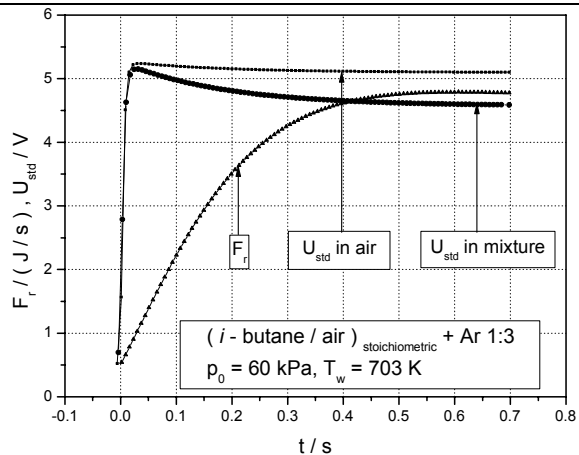


Key words: 2-hydroxy-*N*-(2-trifluoromethyl-phenyl)-benzamide derivatives, ethyl esters, hydrazides, hydrazones, salicylanilide-*O*-substituted.

Rev. Roum. Chim., 2007, 53(4), 273-276

**Octavian STAICU, Valentin MUNTEANU,
Domnina RAZUS and Dumitru OANCEA**

Overall kinetics of isobutene catalytic combustion
on a platinum wire at high temperatures

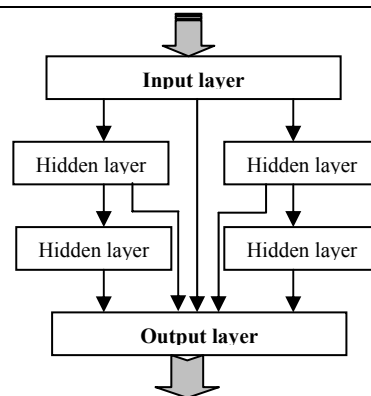


Key words: catalytic combustion, heat flow rate, overall reaction order,
overall activation energy.

Rev. Roum. Chim., 2007, 53(4), 277-282

**Cătălin LISA, Silvia CURTEANU,
Victor BULACOVSCI and
Daniela APREUTESEI**

Artificial intelligence methods applied to prediction
of the liquid crystalline behavior of some ferrocene
derivatives

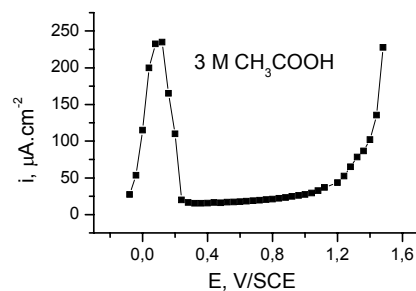


Key words: modular neural networks, liquid crystalline behavior
prediction, ferrocene derivatives.

Rev. Roum. Chim., 2007, 53(4), 283-290

Gabriela Elena BADEA and Teodora BADEA

Electrochemical behaviour of nickel in aqueous
acetic acid solutions

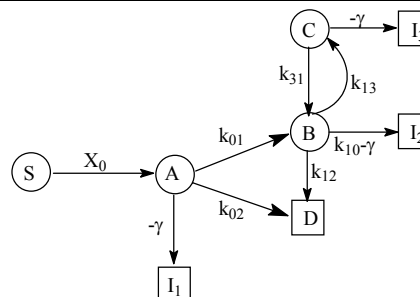


Rev. Roum. Chim., 2007, 53(4), 291-295

Key words: nickel, acetic acid solutions, passivation, corrosion.

**Marius SOCOL, Laurian VLASE, Ioan BĂLDEA,
Sorin LEUCUȚA and Anca CIURTE**

A new graphical method to solving homogenous
differential equation systems used in
pharmacokinetics analysis

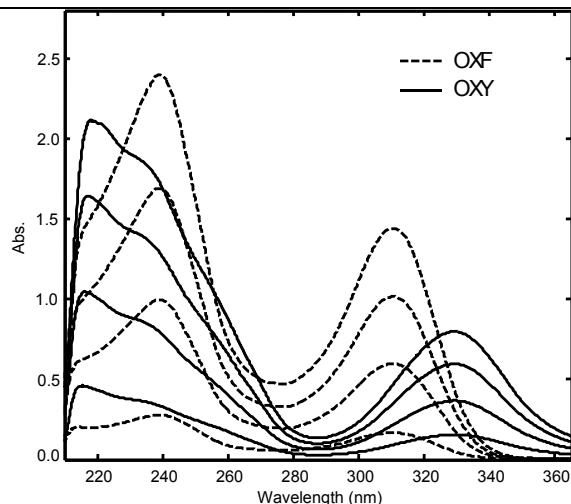


Key words: flow graph, linear homogenous differential equation systems,
pharmacokinetic analysis.

Rev. Roum. Chim., 2007, 53(4), 297-302

Erdal DINÇ, Dumitru BĂLEANU and Ferdi TOKAR

Simple mathematical resolution for binary mixture of oxfendazole and oxyclozanide in bolus by bivariate and multivariate calibrations based on the linear regression functions

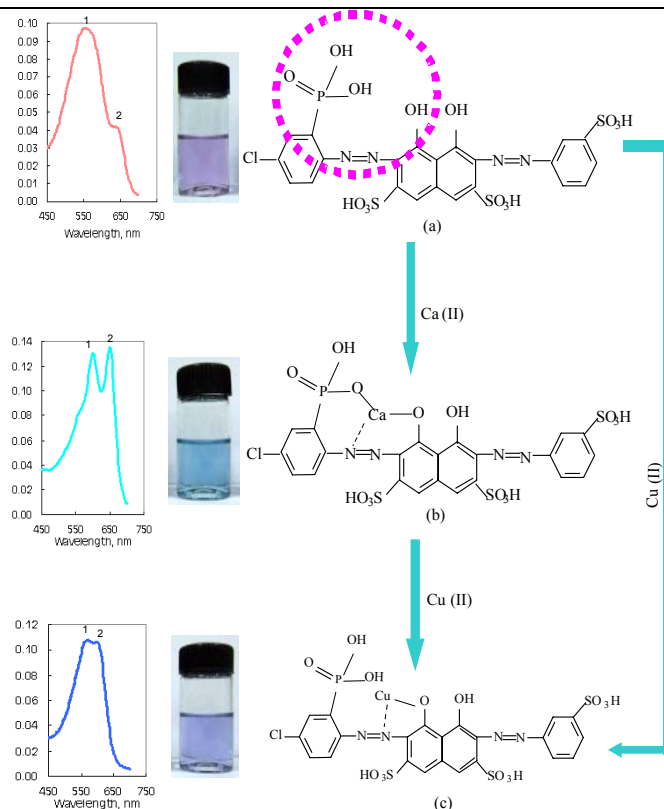


Rev. Roum. Chim., 2007, 53(4), 303-312

Key words: bivariate and multivariate spectral calibrations, simultaneous determination, oxfendazole, dxyclozanide, binary mixture.

Xue-Tao ZHAO, He-Ping ZHAO, Yuan YUAN and Hong-Wen GAO

Determination of copper at ng mL^{-1} level in surface water using the electrophilic substitution reaction between Cu(II) and 3-(3-sulfophenylazo)-6-(4-chloro-2-phosponophen-ylazo)-4,5-dihydroxynaphthalene-2,7-disulfonic acid-Ca(II) complex

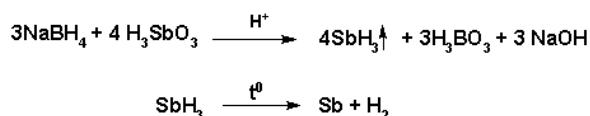


Key words: light absorption ratio variation approach, determination of copper, 3-(3-Sulfophenylazo)-6-(4-chloro-2-phosponophenylazo)-4, 5-dihydroxynaphthalene-2, 7-disulfonic acid, competitive substitution complexation, spectral correction technique.

Rev. Roum. Chim., 2007, 53(4), 313-323

Georgiana VASILE, Andreea MOISE and Elena MIHAILA

Atomic absorption method for determination of antimony in aqueous solutions

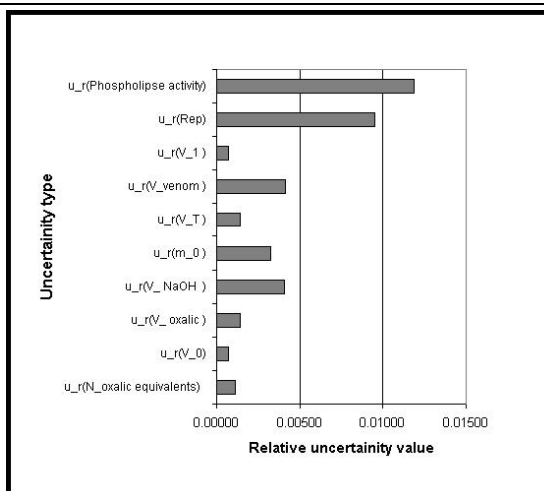


Rev. Roum. Chim., 2007, 53(4), 325-327

Key words: antimony determination, atomic absorbtion, hydride technique, in house validation.

Adriana CĂPITĂNESCU,
Claudiu Ștefan TURCULEȚ,
Cristian CĂPITĂNESCU, Ion Gh. TĂNASE,
Mirel DRĂGHICI, Emanuel GALATESCU and
Gheorghe MANOLE

Assesment of uncertainties in measurement of phospholipase A₂ activity from *Vipera ammodytes* venom



Rev. Roum. Chim., 2007, 53(4), 329-337

Key words: phospholipase assay, uncertainty, venom.