

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

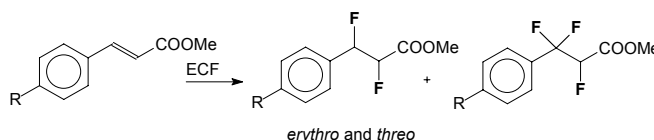
Tome 52, N° 5

Mai 2007

REVIEW

Vasile DINOIU

Electrochemical fluorination of organic compounds



Rev. Roum. Chim., 2007, 52(5), 453-466

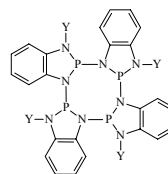
Key words: fluorine, electrochemical partial fluorination, perfluorination.

PAPERS

George BRĂTULESCU

Synthèse des dérivés cycliques du 4,5-benzo-1,3,2-diazaphosphole

Synthesis of 4,5-benzo-1,3,2-diazaphosphole cyclo-derivatives

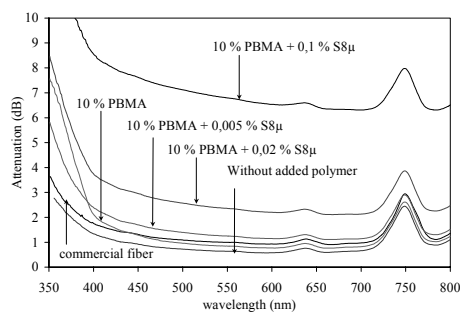


Rev. Roum. Chim., 2007, 52(5), 467-469

Key words: 4,5-benzo-1,3,2-diazaphospholes, micro-ondes, RMN.

Romuald BERTHET, Amar ZERROUKHI,
Gérald BRUN, Teodora ZECHEU and
Corneliu CINCU

Synthesis and optical properties analysis of a new polymeric optical fiber for side lighting

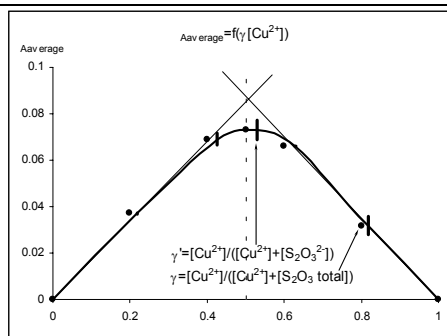


Rev. Roum. Chim., 2007, 52(5), 471-480

Key words: plastic fibre, radical polymerization, light scattering, acrylate monomer.

Mihaela Ligia UNGUREȘAN and
Gavril NIAC

Composition of the intermediate of the fast interaction between copper(II) and thiosulfate ions in aqueous solution

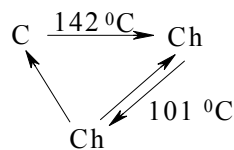


Rev. Roum. Chim., 2007, 52(5), 481-485

Key words: fast redox reaction, copper ions, thiocompounds, stopped-flow technique, Job's method.

**Viorica MELTZER and
Gabriela CRISTESCU**

Thermodynamic study and structure-
mesomorphism correlation for new sitosteryl
benzoate compounds



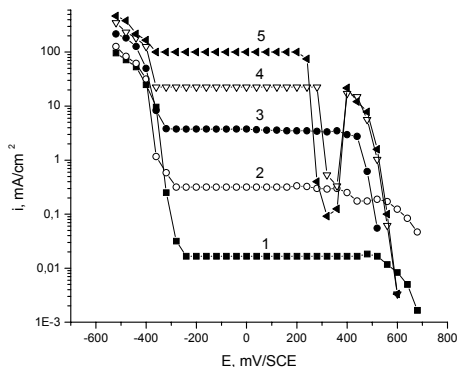
sitosteryl benzoate

Key words: polymorphism, DSC, thermomicroscopy, liquid crystal, sitosteryl benzoate compounds.

Rev. Roum. Chim., 2007, 52(5), 487-490

Gabriela Elena BADEA

Autocatalytic reduction of iodate at the
platinum electrode in 0.5 M H₂SO₄ solutions

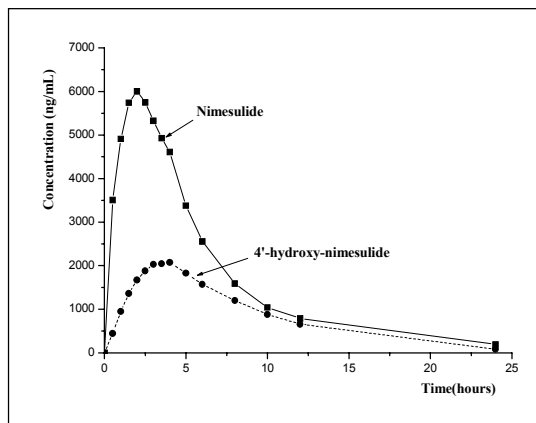


Rev. Roum. Chim., 2007, 52(5), 491-498

Key words: iodate, reduction, platinum electrode, polarisation curves.

**Iulia SORA, Toma GALAON,
Victor DAVID and Andrei MEDVEDOVICI**

Determination of nimesulide and its active
metabolite in plasma samples based on solvent
deproteinization and HPLC-DAD analysis



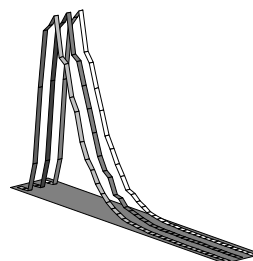
Key words: liquid chromatography, nimesulide; 4'-hydroxy-nimesulide, human plasma, protein precipitation with acetonitrile, bioavailability.

Rev. Roum. Chim., 2007, 52(5), 499-507

Magdalena DIANU and Corneliu PODINĂ

The safety of environment in final disposal of
Ultima Gold scintillation liquid cocktail used
for determination of the radioactive content in
various samples at Cernavoda Nuclear Power
Plant

³H Spectrum for Scintillation Liquid Waste Samples

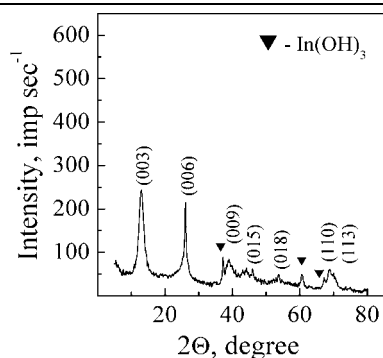


Rev. Roum. Chim., 2007, 52(5), 509-519

Key words: scintillation, tritium, cementation, waste.

Margarita GABROVSKA,
Rumeana EDREVA-KARDJIEVA,
Verislav ANGELOV, Dorel CRIȘAN,
Gabriel MUNTEANU and
Jacques VÉDRINE

Mg-Al and Mg-In oxide compounds as catalyst components for the oxidative dehydrogenation of propane. Part I. Preparation and characterization of the as-synthesized materials

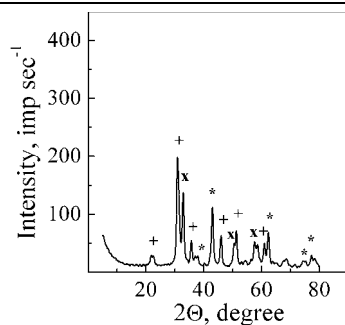


Rev. Roum. Chim., 2007, 52(5), 521-525

Key words: co-precipitation and evaporation, Mg-Al and Mg-In hydroxide-like materials, XRD, IR.

Margarita GABROVSKA,
Rumeana EDREVA-KARDJIEVA,
Verislav ANGELOV, Dorel CRIȘAN and
Jean-Marc M. MILLET

Mg-Al and Mg-In oxide compounds as catalyst components for the oxidative dehydrogenation of propane. Part II. Characterization of the calcined materials



Rev. Roum. Chim., 2007, 52(5), 527-532

Key words: Mg-Al and Mg-In oxide compounds, DTA-TG, XRD, IR.