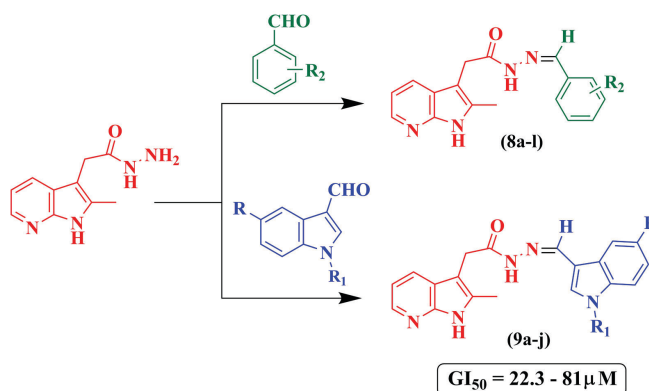


SCIENTIFIC ARTICLES

ORIGINAL SCIENTIFIC ARTICLE

Design, Synthesis, and Spectroscopic Study of 7-Azaindolyl Hydrazones with Anti-Breast Cancer Activity

Sakharam B. Dongare, Babasaheb. P. Bandgar, Pravin S. Bhale, Sadanand N. Shringare, Hemant V. Chavan



Croat. Chem. Acta 2019, 92(1), 1–9
DOI: 10.5562/cca3418

ORIGINAL SCIENTIFIC ARTICLE

Phytochemical Composition, Antiradical and Anticholinesterase Potentials of *Centaurea alba* and *Centaurea jacea* Volatile Oils

Olivera Politeo, Ivana Carev, Anita Veljaca

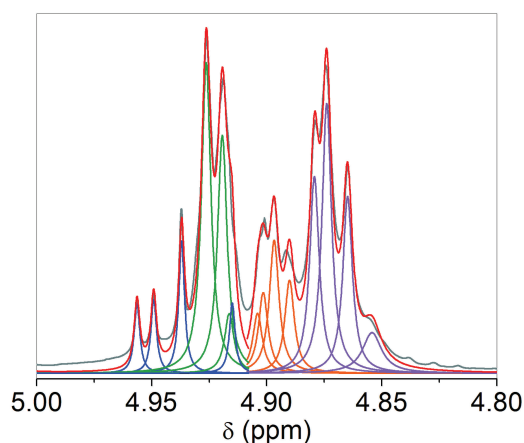
	DPPH inh. / %	AChE inh. / %	BuChE inh. / %
<i>C. alba</i> VO	5.6 ± 0.3	28.3 ± 2.8	5.4 ± 0.9
<i>C. jacea</i> VO	4.9 ± 0.2	11.7 ± 0.9	2.6 ± 0.7
vitamin C	95.3 ± 1.7	–	–
eserine	–	92.9 ± 3.4	77.9 ± 1.9

Croat. Chem. Acta 2019, 92(1), 11–16
DOI: 10.5562/cca3458

ORIGINAL SCIENTIFIC ARTICLE

Multinuclear Magnetic Resonance Study on Aluminium *Sec*-butoxide Chelated with Ethyl Acetoacetate in Various Amounts

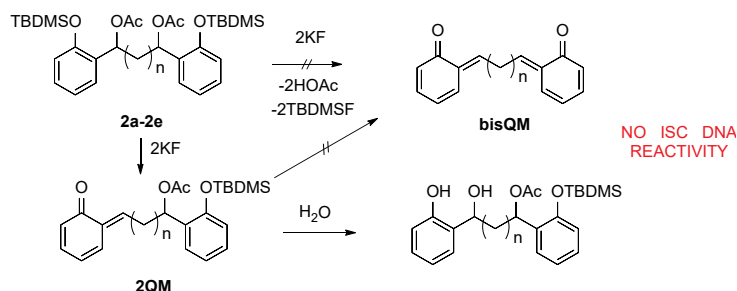
Stanislav Kurajica, Tatjana Gazivoda Kraljević, Gregor Mali, Ivan Simčić, Vilko Mandić, Iva Minga



Croat. Chem. Acta 2019, 92(1), 17–28
DOI: 10.5562/cca3426

Bifunctional Phenol Quinone Methide Precursors: Synthesis and Biological Activity

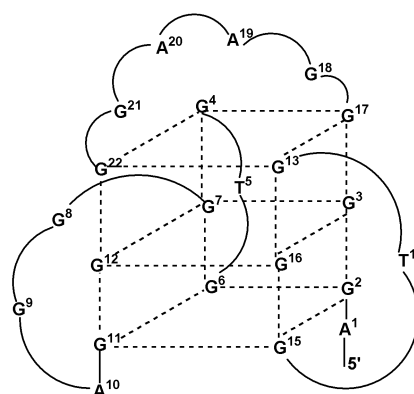
Matija Sambol, Katja Ester, Antonija Husak, Đani Škalamera, Ivo Piantanida, Marijeta Kralj, Nikola Basarić



Croat. Chem. Acta **2019**, *92*(1), 29–41
DOI: 10.5562/cca3455

Small-Molecule Interaction with G-Quadruplex DNA: Context of Anti-Cancer Drug Design

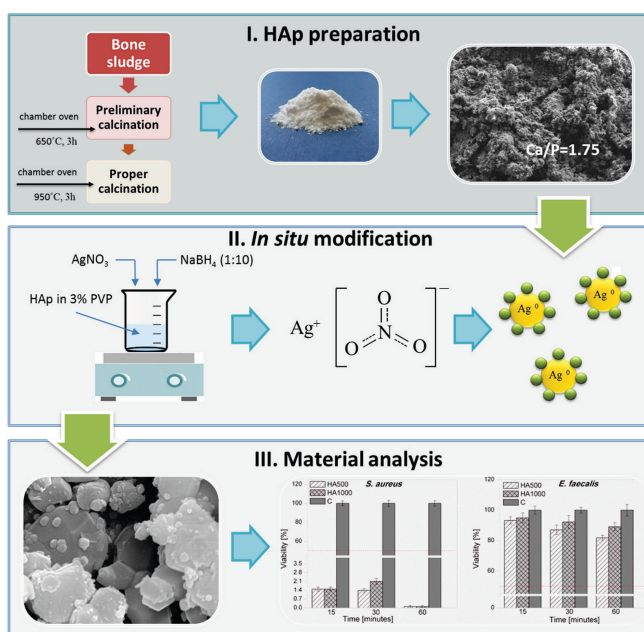
Petar M. Mitrasinovic



Croat. Chem. Acta **2019**, *92*(1), 43–57
DOI: 10.5562/cca3456

Hydroxyapatite/Silver Nanoparticles Powders as Antimicrobial Agent for Bone Replacements

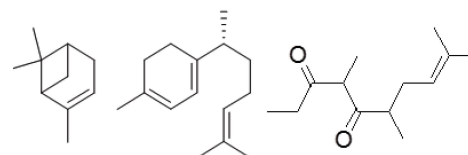
Agnieszka Sobczak-Kupiec, Dagmara Malina, Regina Kijkowska, Wioletta Florkiewicz, Klaudia Pluta, Zbigniew Wzorek



Croat. Chem. Acta **2019**, *92*(1), 59–68
DOI: 10.5562/cca3463

***Helichrysum italicum* (Roth) G. Don subsp. *italicum* from Herzegovina: Volatile Composition, Variations during Seasons, Total Polyphenols, Acetylcho-linesterase Inhibition and Antioxidant Activity**

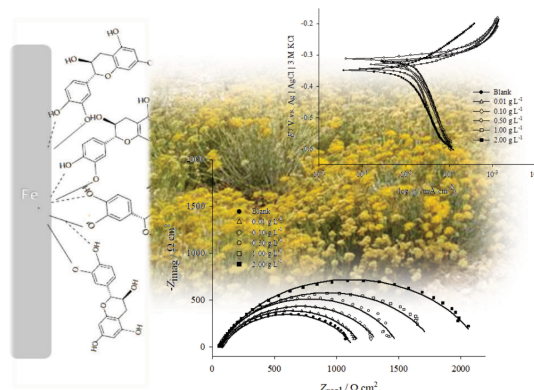
Stanislava Talić, Ilijana Odak, Anita Martinović Bevanda, Nikolina Crnjac, Mate Paštar



Croat. Chem. Acta **2019**, 92(1), 69–77
DOI: 10.5562/cca3475

Effect of *Helichrysum italicum* on the Electrochemical Corrosion Behaviour of Iron in Simulated Acid Rain Solution

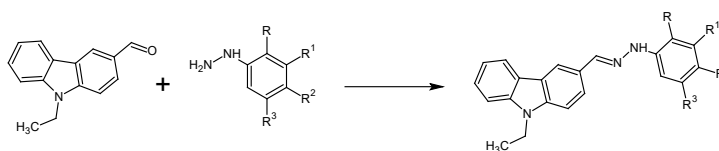
Zora Pilić, Ivana Martinović, Marija Pavlinović, Gloria Zlatić



Croat. Chem. Acta **2019**, 92(1), 79–85
DOI: 10.5562/cca3451

Behaviour of 9-Ethyl-9H-carbazole Hydrazone Derivatives Against Oxidant Systems: Protective Effect on Amyloid β -Induced Damage

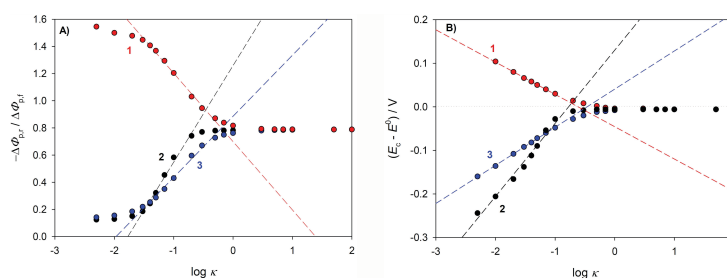
Cigdem Karaaslan, Elif Ince, Hande Gurer-Orhan, Marjan Tavakkoli, Omidreza Firuzi, Luciano Saso, Sibel Suzen



Croat. Chem. Acta **2019**, 92(1), 87–94
DOI: 10.5562/cca3481

Simulation of Alternative Differential Multi-pulse Voltammetry. Evaluation of the Electrochemical Reversibility by the Voltammogram Symmetry

Dijana Jadreško



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DOI: 10.5562/cca3485

Mobility of Trace Elements in Pore Solutions of Portland Cement Pastes Exposed to Leaching

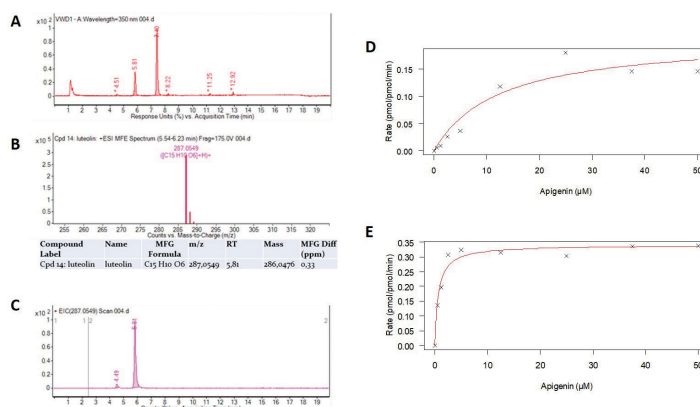
Marija Đuroković, Dubravka Matković-Čalogović, Ivan Janotka



Croat. Chem. Acta **2019**, *92*(1), 103–114
DOI: 10.5562/cca3511

Characterization of *O*-demethylations and Aromatic Hydroxylations Mediated by Cytochromes P450 in the Metabolism of Flavonoid Aglycons

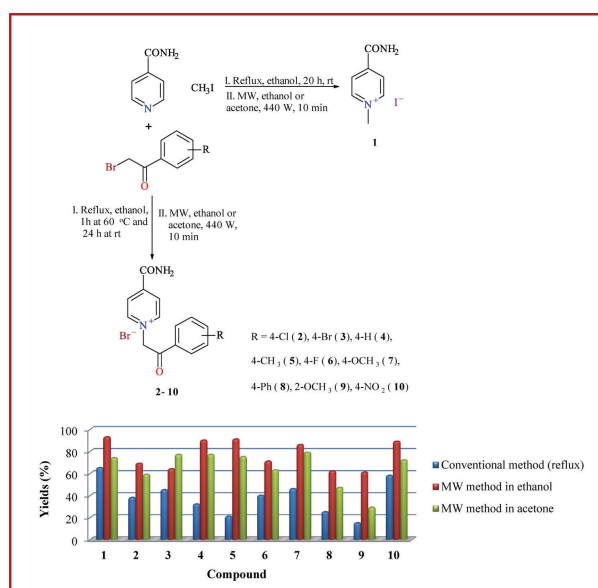
Goran Benković, Hrvoje Rimac, Željko Maleš, Siniša Tomić, Zoran Lončar, Mirza Bojić



Croat. Chem. Acta **2019**, *92*(1), 115–123
DOI: 10.5562/cca3528

A Rapid Microwave Induced Synthesis of Isonicotinamide Derivatives and their Antifungal Activity

Valentina Bušić, Karolina Vrandečić, Tamara Siber, Sunčica Roca, Dražen Vikić-Topić, Dajana Gašo-Sokač



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