

SCIENTIFIC ARTICLES

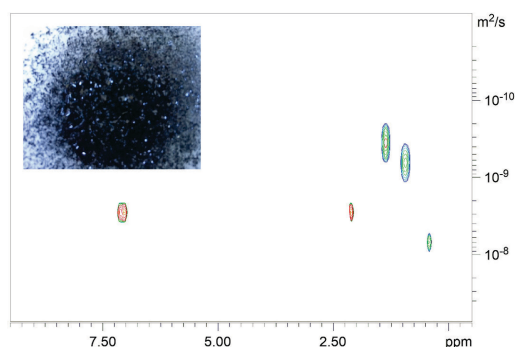
REVIEW

NMR Spectroscopy as a Tool for Studying Asphaltene Composition

Jelena Parlov Vuković, Predrag Novak, Tomislav Jednačak

Croat. Chem. Acta 2019, 92(3), 323–329

DOI: 10.5562/cca3543



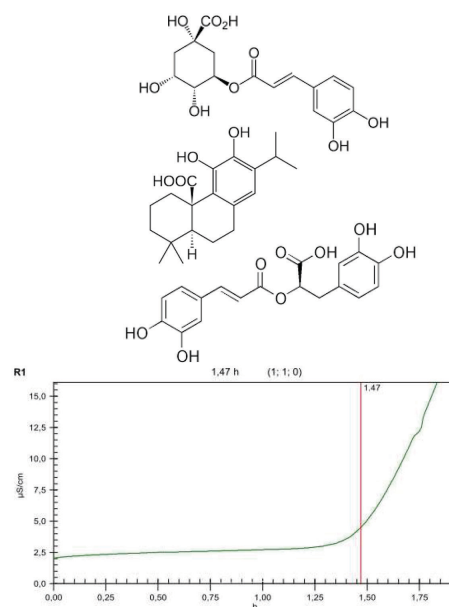
ORIGINAL SCIENTIFIC ARTICLE

The Effect of Selected Herb Extracts on Oxidative Stability of Vegetable Oils

Barbara Soldo, Ivana Anđelić, Nikolina Nikolov, Danijela Skroza, Vida Šimat, Ivica Ljubenković, Ivana Generalić Mekinić

Croat. Chem. Acta 2019, 92(3), 331–336

DOI: 10.5562/cca3479



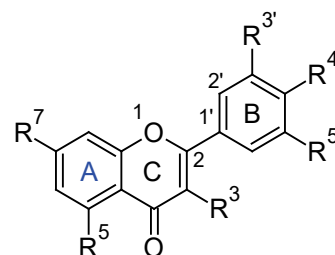
ORIGINAL SCIENTIFIC ARTICLE

Evaluation of the Radical-Scavenging Properties of Various Flavonols in Ethanol Environment: an *ab initio* Study

Raluca Pop

Croat. Chem. Acta 2019, 92(3), 337–346

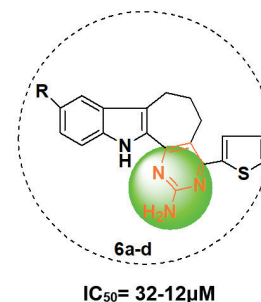
DOI: 10.5562/cca3449



Synthesis, Spectral Analysis, Molecular Docking and Biological Evaluation of Cyclohepta[b]indole Derivatives

Ayyachamy Pandian Amuthavalli, Babu Prakash, David Edison, Rajendran Velmurugan

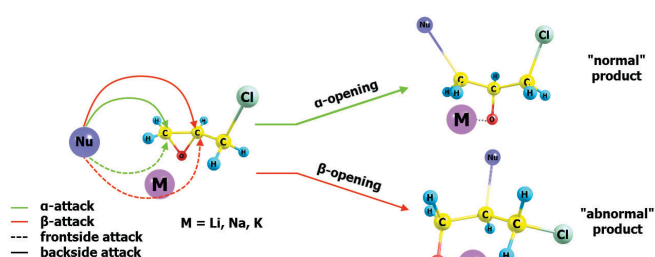
Croat. Chem. Acta **2019**, *92*(3), 347–356
DOI: 10.5562/cca3375



A Computational Study of 2-(chloromethyl)oxirane Ring Opening by Bromide and Acetate Anions Considering Electrophilic Activation with Cations of Alkali Metals

Kseniia Yutilova, Yuliia Bespal'ko, Elena Shved

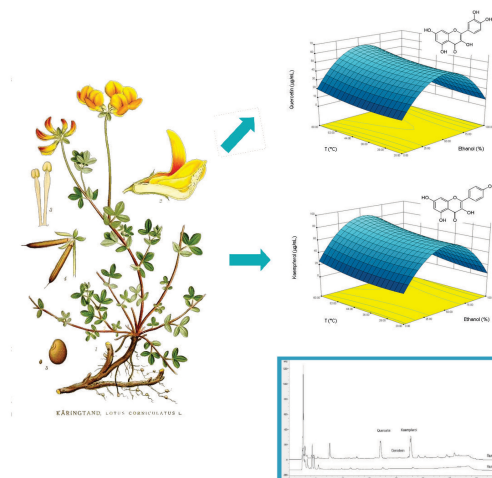
Croat. Chem. Acta **2019**, *92*(3), 357–367
DOI: 10.5562/cca3505



Optimization of Ultrasound-Assisted Extraction of Phenolic Antioxidants from *Lotus corniculatus*

Barbara Fumić, Mario Jug, Marijana Zovko Končić

Croat. Chem. Acta **2019**, *92*(3), 369–377
DOI: 10.5562/cca3549



Estimation of Random Accuracy and its Use in Validation of Predictive Quality of Classification Models within Predictive Challenges

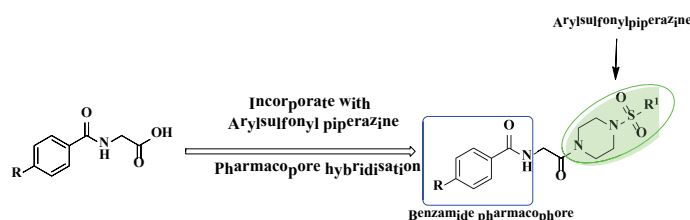
Bono Lučić, Jadranko Batista, Viktor Bojović, Mario Lovrić, Ana Sović Kržić, Drago Bešlo, Damir Nadramija, Dražen Vikić-Topić

$$Q_{2,\text{rnd}} = Q_{2,\text{rnd-bal}} = \frac{(p+u)^2 + (n+o)^2}{N^2}$$

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Synthesis of Novel Benzamide-piperazine-sulfonamide Hybrids as Potential Anticancer Agents

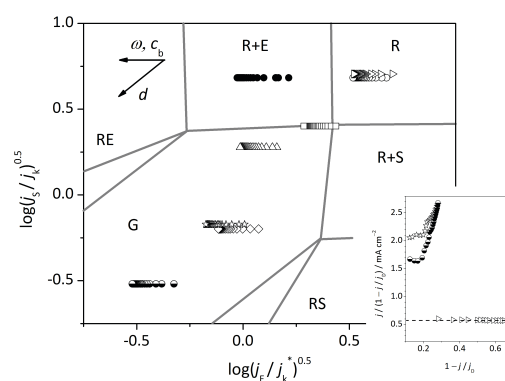
B. Ramalingeswara Rao, Mohana Rao Katiki, Dileep Kommula, SaiShyam Narayanan, Ruby John Anto, M. S. R. Murty



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DOI: 10.5562/cca3535

Kinetic Evaluation of the Charge Migration and H₂O₂ Transport Rates During the Electrocatalytic Reduction of H₂O₂ on Thin Prussian Blue Films

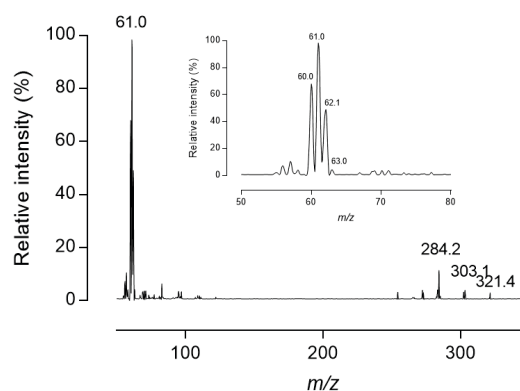
Egon Rešetar, Sandra Čičić, Damir Iveković



Croat. Chem. Acta **2019**, *92*(3), 403–410
DOI: 10.5562/cca3555

Characterization of Ceramides with Phytosphingosine Backbone by Hydrogen-deuterium Exchange Mass Spectrometry

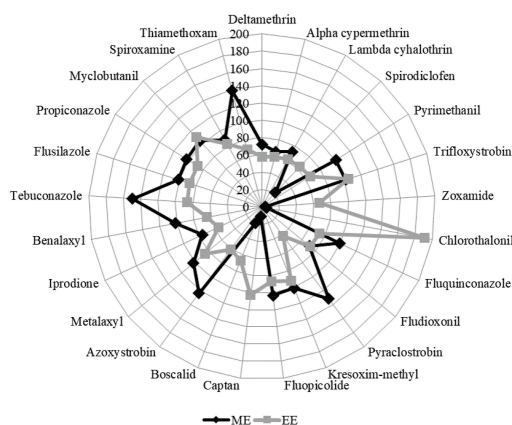
Irena Dapic, Lidija Brkljacic, Ivone Jakasa, Renata Kobetic



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DOI: 10.5562/cca3506

GC-MS Modified Quechers Method for Multiresidue Pesticide Determination in Red Wine

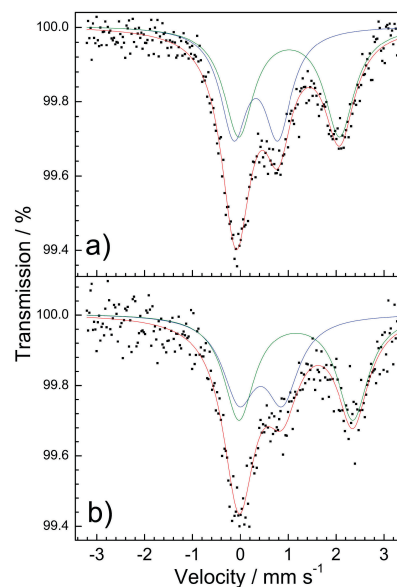
Maja Pelajić, Izidor Pelajić, Dragana Mutavdžić Pavlović, Dubravka Vitali Čepo



Croat. Chem. Acta **2019**, *92*(3), 419–428
DOI: 10.5562/cca3552

Some Microstructural Properties of Zinc Borosilicate Glass as a Possible Matrix in the Immobilization of Various Wastes

Svetozar Musić, Marijan Marciuš, Stjepko Krehula, Stanko Popović, Ernő Kuzmann, Zoltán Homonnay



Croat. Chem. Acta **2019**, *92*(3), 429–433
DOI: 10.5562/cca3574

Marking a Century of the Department of Chemistry and Biochemistry at School of Medicine in Zagreb: Honoring Professors Tomislav Pinter and Mihovil Proštenik as Fran Bubanović's Successors

Kristina Mlinac-Jerković, Vladimir Damjanović, Svjetlana Kalanj-Bognar, Jasna Lovrić



Croat. Chem. Acta **2019**, *92*(3), 435–442
DOI: 10.5562/cca3554