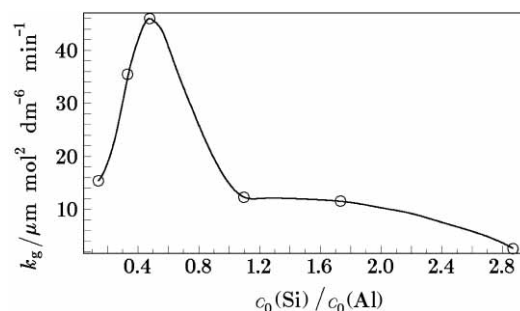


ORIGINAL SCIENTIFIC PAPERS

CCA-2971

Influence of the Concentrations of Aluminium and Silicon in the Liquid Phase on the Growth Kinetics of Zeolite A and X Microcrystals

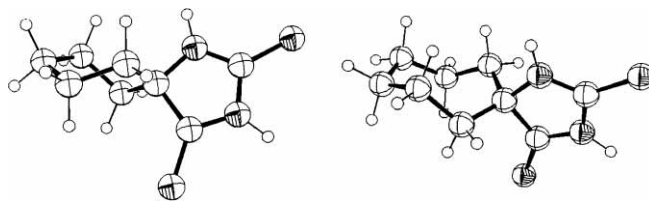
Sanja Bosnar, Josip Bronić, Ivan Krznarić, and Boris Subotić

*Croat. Chem. Acta* 78 (2005) 1–8

CCA-2972

Synthesis, Spectroscopic Characterization and *ab initio* Investigation of Thioanalogues of Spirohydantoins

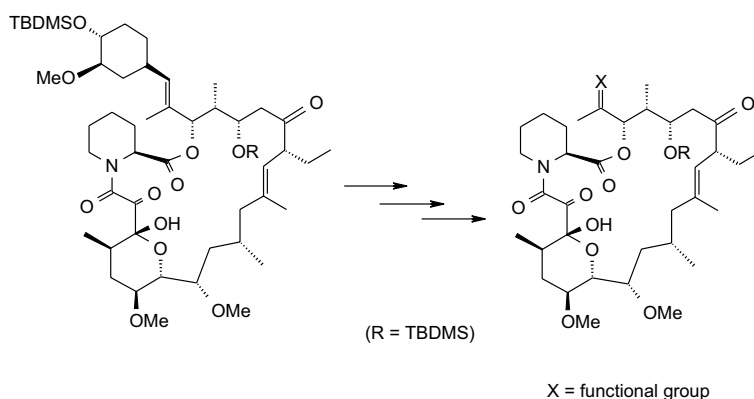
Marin Marinov, Stoyan Minchev, Neyko Stoyanov, Galya Ivanova, Milena Spassova, and Venelin Enchev

*Croat. Chem. Acta* 78 (2005) 9–16

CCA-2973

Synthetic Modifications of Ascomycin. V. Access to Novel Ascomycin Derivatives by Replacement of the Cyclohexylvinylidene Subunit

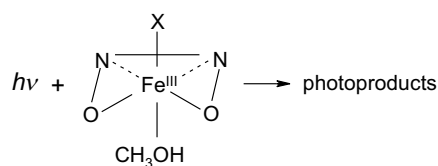
Reinhold Zimmer, Karl Baumann, Hildegard Sperner, Gerhard Schulz, Ewald Haidl, and Maximilian A. Grassberger

*Croat. Chem. Acta* 78 (2005) 17–27

CCA-2974

Different Photoredox Reactivity of Structurally Similar Iron(III) Complexes

Jozef Šima and Mário Izakovič

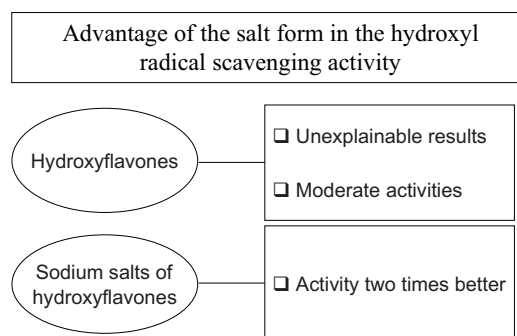
*Croat. Chem. Acta* 78 (2005) 29–34

CCA-2975

Free Radical Scavenging Activity of Hydroxyflavone Sodium Salts Compared to the Activity of Hydroxyflavones Themselves

Hadi A. Milane, Thierry F. Vandamme, Min-jie Zhao, Marc Kessler, Geneviève Ubeaud, Beatriz Aguilar Ochandio, and Louis Jung

Croat. Chem. Acta **78** (2005) 35–41

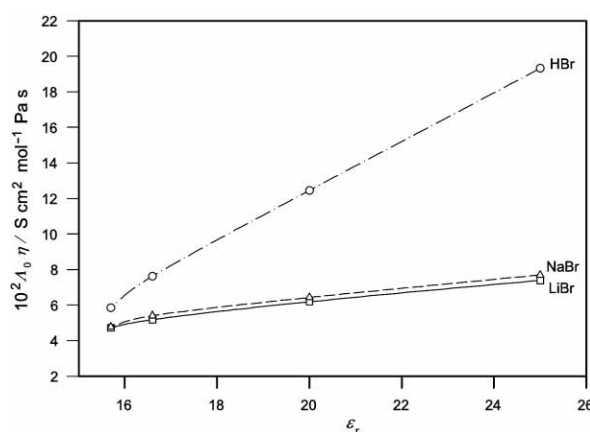


CCA-2976

Thermodynamics of the Association Reaction of Li⁺ and Br⁻ Ions in 2-Butanol + Water Mixtures from Conductivity Measurements

Vesna Sokol, Ivo Tominić, Renato Tomaš, and Marija Višić

Croat. Chem. Acta **78** (2005) 43–47

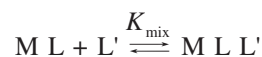


CCA-2977

Determination of Stability Constants of Metal-methylcysteine and Metal-methylcysteine-cysteine Complexes by Paper Ionophoretic Technique

Brij B. Tewari

Croat. Chem. Acta **78** (2005) 49–53

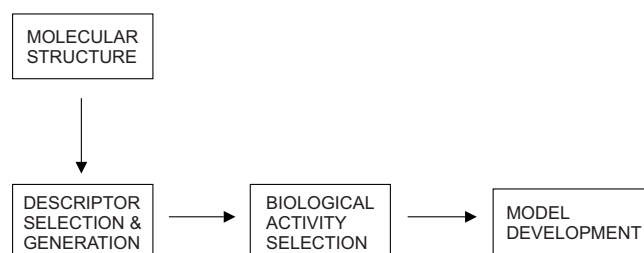


CCA-2978

Application of Graph Theory: Topological Models for Prediction of CDK-1 Inhibitory Activity of Aloisines

Viney Lather and Anil K. Madan

Croat. Chem. Acta **78** (2005) 55–61

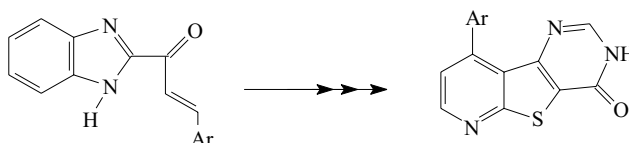


CCA-2979

Synthesis of Some New Pyridines, Thienopyridines and Pyrido[2,3:4',5']thieno[3',2'-d]pyrimidin-8-ones from 2-acetylbenzimidazole

Abu Zied. A. Hassanien, El-Sayed. I. Ibrahim, and Mohamed. E. Afifi

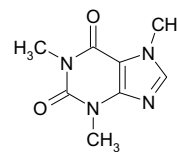
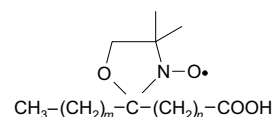
Croat. Chem. Acta **78** (2005) 63–70



CCA-2980

A Study of Caffeine Binding to Human Serum Albumin

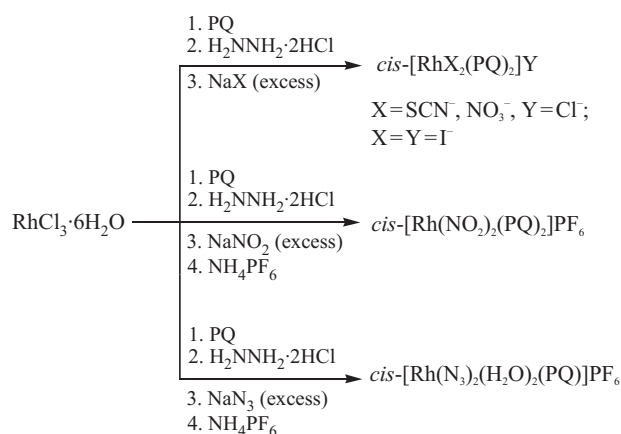
Anita Kriško, Marina Kveder, Slavko Pečar, and Greta Pifat

*Croat. Chem. Acta* **78** (2005) 71–77

CCA-2981

Rhodium(III) Complexes with 2-(2'-Pyridyl)quinoline. Synthesis and Spectroscopic Characterization

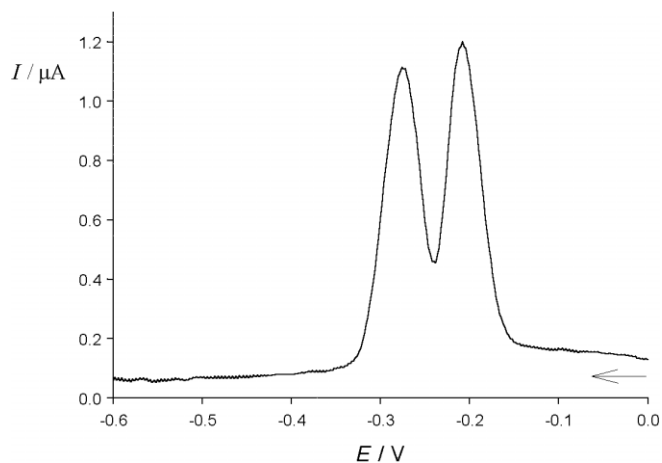
Hanan A. Qaseer

*Croat. Chem. Acta* **78** (2005) 79–84

CCA-2982

Kinetics of the Surface Redox Reaction of 2-Hydroxy-5-[(4-sulfophenyl)azo]benzoic Acid

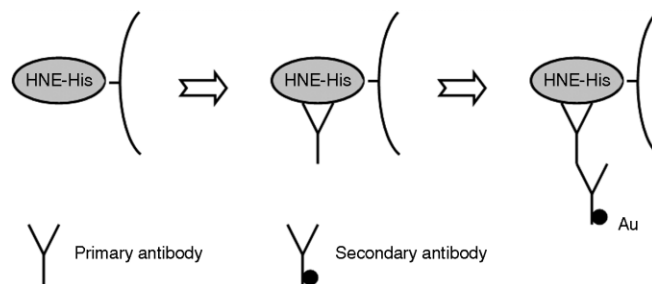
Šebojka Komorsky-Lovrić and Biljana Nigović

*Croat. Chem. Acta* **78** (2005) 85–90

CCA-2983

A New Method for Detection of HNE-histidine Conjugates in Rat Inflammatory Cells

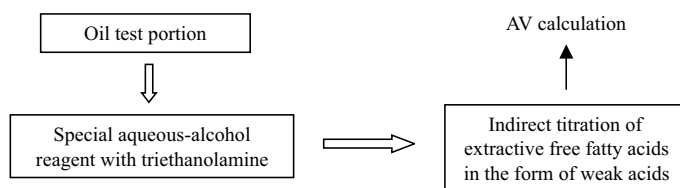
Morana Živković, Kamelija Žarković, Ljubomir Škrinjar, Georg Waeg, Marija Poljak-Blaži, Suzana Borović Šunjić, Rudolf Jörg Schaur, and Neven Žarković

*Croat. Chem. Acta* **78** (2005) 91–98

CCA-2984

Acid Value Determination in Vegetable Oils by Indirect Titration in Aqueous-alcohol Media

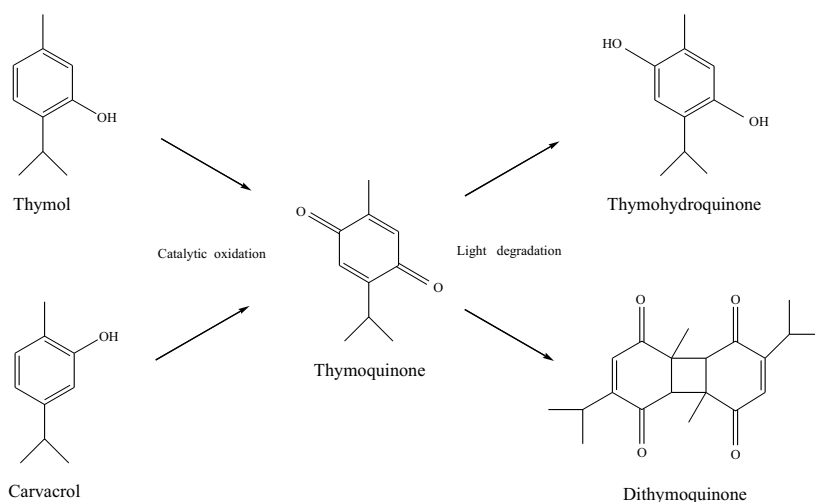
Elena Kardash and Yakov I. Tur'yan

Croat. Chem. Acta **78** (2005) 99–103

CCA-2985

Catalytic Oxidation and Antioxidant Properties of Thyme Essential Oils (*Thymus vulgarae* L.)

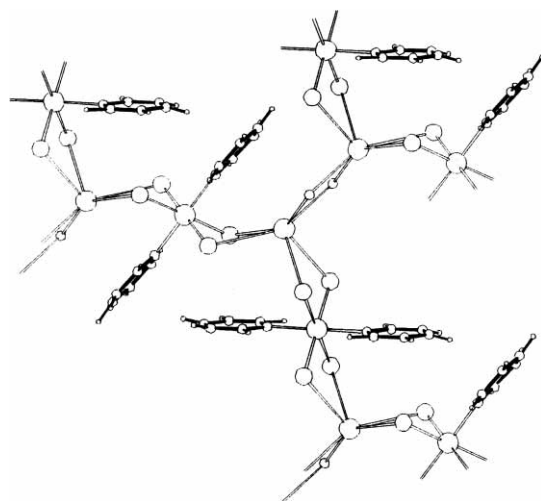
Mila Jukić and Mladen Miloš

Croat. Chem. Acta **78** (2005) 105–110

CCA-2986

Nonstoichiometric Bromo-chloro-pyridine-Mo^{III} Complexes

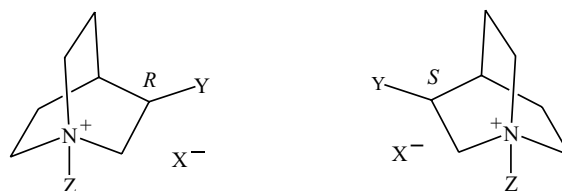
Nives Kitanovski, Ljubo Golič, Anton Meden, and Boris Čeh

Croat. Chem. Acta **78** (2005) 111–120

CCA-2987

Enantiomers of Quinuclidin-3-ol Derivatives: Resolution and Interactions with Human Cholinesterases

Anita Bosak, Ines Primožič, Mislav Oršulić, Srđanka Tomić, and Vera Simeon-Rudolf

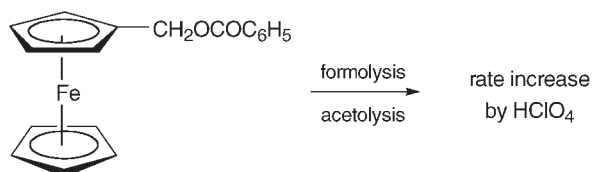
Croat. Chem. Acta **78** (2005) 121–128

Y: –OH; –OCOCH₃
 X: I, Br, Cl, O₂C(CHOH)₂CO₂H · 2H₂O
 Z: –CH₃; –CH₂C₆H₅

Acetylcholinesterase EC 3.1.1.7
 Butyrylcholinesterase EC 3.1.1.8

NOTE

CCA-2988

**Mechanism of Ferrocenylmethyl Benzoate
Formolysis and Acetolysis**Biserka Cetina-Čižmek, Snježana Vodopija Mandić,
and Smiljko Ašperger*Croat. Chem. Acta* **78** (2005) 129–132

APPENDIX

OBITUARIES

MARKO BRANICA (1931–2004)

A1–A2

VERA MIKULČIĆ (1913–2005)

A3

INSTRUCTIONS TO AUTHORS

A5–A8

ANNOUNCEMENTS AND ADVERTISEMENTSA9–A12
