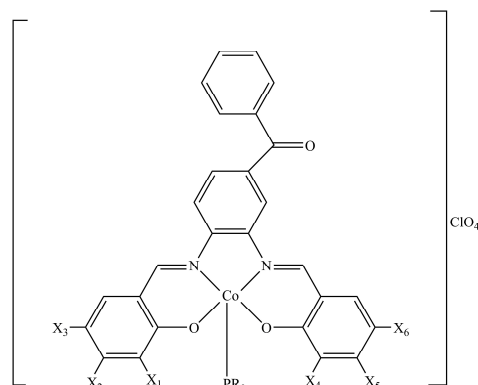


ORIGINAL SCIENTIFIC ARTICLES

**Symmetrical and Unsymmetrical Schiff Bases
Derived from 3,4-Diaminobenzophenone:
Synthesis and Thermodynamics of Five Coordinated
Tertiaryphosphine Cobalt(III) Complexes**

Khosro Mohammadi, Mozaffar Asadi,
Moslem Setoodeh Khah, Hajar Sepehrpour

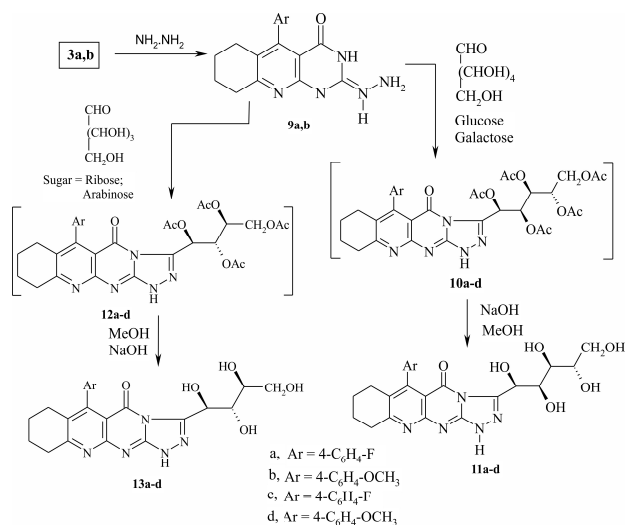
Croat. Chem. Acta 2016, 89(3), 277–284
DOI: 10.5562/cca2706



**One-Pot Microwave Synthesis of
Pyrimido[4,5-*b*]quinoline and its *C*- and
S-Glycosides with Anti-Inflammatory and
Anticancer Activities**

Hend N. Hafez, Sami A. Al-Hussain,
Abdel-Rhman B. A. El-Gazzar

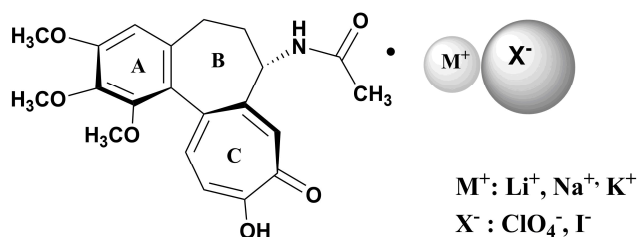
Croat. Chem. Acta 2016, 89(3), 285–296
DOI: 10.5562/cca2912



**Colchicine Complexes with Lithium,
Sodium and Potassium Salts –
Spectroscopic Studies**

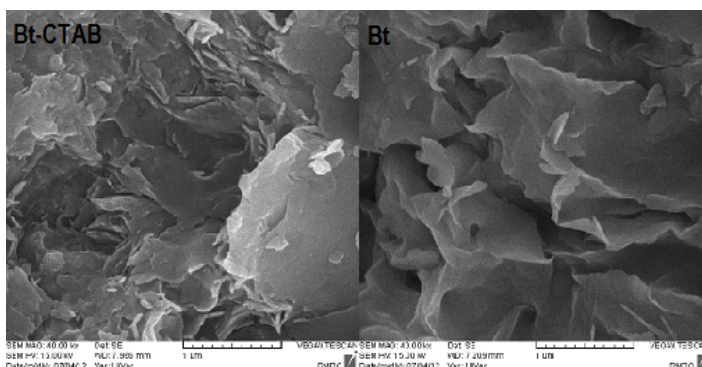
Joanna Kurek, Piotr Barczyński

Croat. Chem. Acta 2016, 89(3), 297–308
DOI: 10.5562/cca2871



Modified Bentonite with Dithizone as Nano Clay Mineral Adsorbent for Solid Phase Extraction of Silver Ions

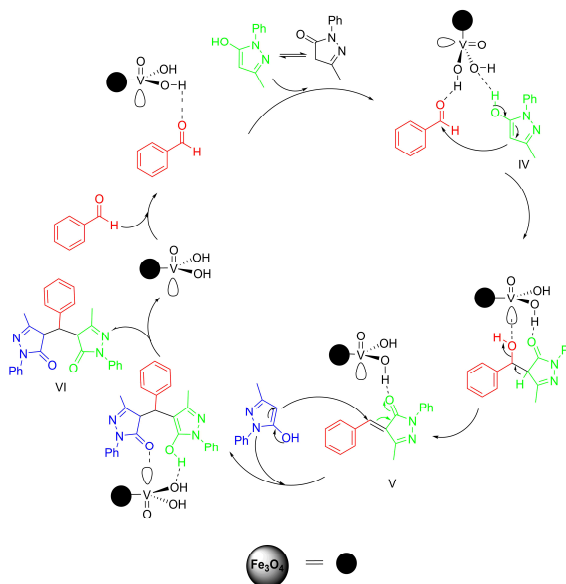
Farid Shakerian, Shayessteh Dadfarnia, Ali Mohammad Haji Shabani, Mahboubeh Saeidi, Seyed Mohammad Sadeh Hosseini



Croat. Chem. Acta **2016**, *89*(3), 309–316
DOI: 10.5562/cca2885

Synthesis of Nano Magnetite Fe₃O₄ Based Vanadic Acid: A Highly Efficient and Recyclable Novel Nanocatalyst for the Synthesis of 4,4'-(arylmethylene)-bis(3-methyl-1-phenyl-1H-pyrazol-5-ols)

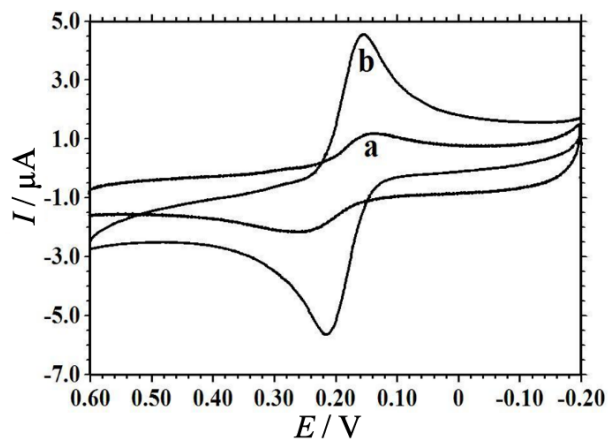
Maliheh Safaiee, Mohammad Ali Zolfigol, Fatemeh Derakhshan-Panah, Vahid Khakyzadeh, Leila Mohammadi



Croat. Chem. Acta **2016**, *89*(3), 317–322
DOI: 10.5562/cca2854

Sensitive Electrochemical Detection of Dopamine With a Nitrogen-doped Graphene Modified Glassy Carbon Electrode

Wencheng Wang, Shixing Gong, Wei Sun, Guangjiu Li, Yaping Lu, Jianhua Yu, Lifeng Dong

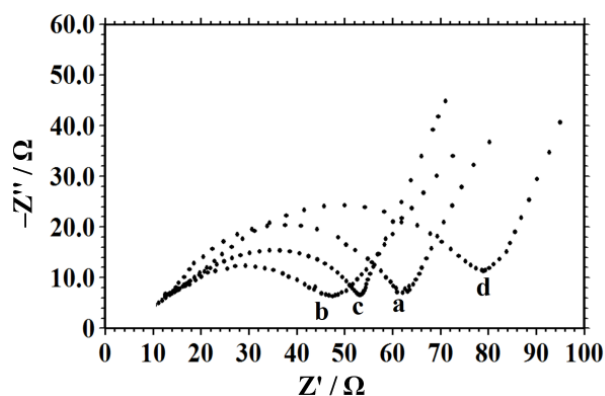


Croat. Chem. Acta **2016**, *89*(3), 323–330
DOI: 10.5562/cca2679

Direct Electrochemistry of Horseradish Peroxidase on NiO Nanoflower Modified Electrode and Its Electrocatalytic Activity

Lijun Yan, Xiaofeng Wang, Qitong Li, Wencheng Wang, Shixing Gong, Zheng You, Peng Yi, Wei Sun

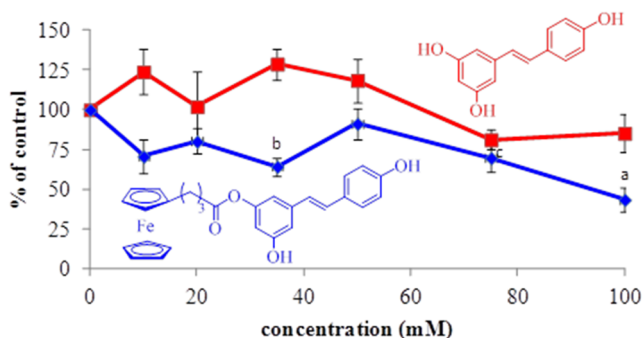
Croat. Chem. Acta **2016**, *89*(3), 331–337
DOI: 10.5562/cca2717



Facile Synthesis and Cytotoxic Activity of the First Ferrocene-Resveratrol Conjugate

Veronika Kovač, Ivana Kmetič, Teuta Murati, Marina Miletić, Lidija Barišić

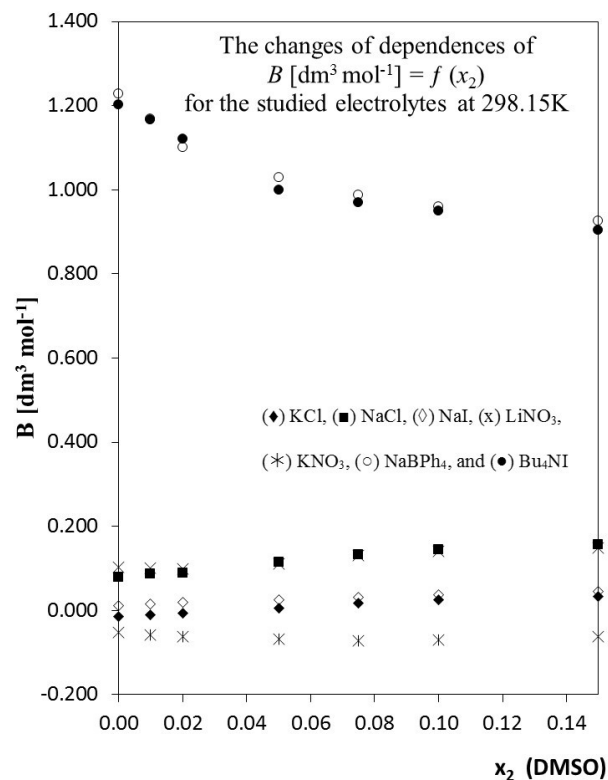
Croat. Chem. Acta **2016**, *89*(3), 339–343
DOI: 10.5562/cca2992



Viscosity Coefficients of KCl, NaCl, NaI, KNO₃, LiNO₃, NaBPh₄ and Bu₄NI in Water - Dimethyl Sulfoxide Binary Mixtures With a Low Organic Solvent Content

Adam Bald, Zdzisław Kinart, Renato Tomaš

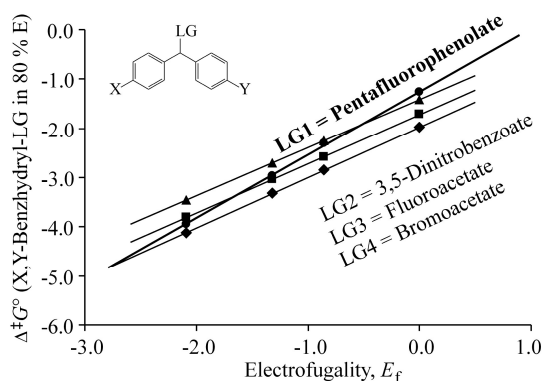
Croat. Chem. Acta **2016**, *89*(3), 345–353
DOI: 10.5562/cca2844



Nucleofugality of Pentafluorophenolate in Various Solvents: Solvolytic Behavior of Phenolates

Mirela Matić, Nives Bebek, Bernard Denegri, Olga Kronja

Croat. Chem. Acta **2016**, *89*(3), 355–362
DOI: 10.5562/cca3040



OBITUARIES

Krešimir Jakopčić (1930 – 2016)

Nafis Defterdarović, Marija Šindler

Croat. Chem. Acta **2016**, *89*(3), 363–364
DOI: 10.5562/cca3056

BOOK REVIEWS

Njegomir Radić, Lea Kukoč Modun

Uvod u analitičku kemiju [Introduction to Analytical Chemistry]

Vlasta Allegretti Živčić

Croat. Chem. Acta **2016**, *89*(3), 365–366
DOI: 10.5562/cca3057

ESSAYS

Crystallography in Croatia

on occasion of the 25th anniversary of the foundation of the Croatian Crystallographic Association

Stanko Popović

Croat. Chem. Acta **2016**, *89*(3), 367–370
DOI: 10.5562/cca3046

MEETING ABSTRACTS

2nd Anglo-Croatian Medicinal Symposium on Macrocycles

Medicinal Chemistry and Beyond-the-Rule-of-Five

Vitimir Šunjić

Croat. Chem. Acta **2016**, *89*(3), 371–372
DOI: 10.5562/cca3041