

EDITORIAL

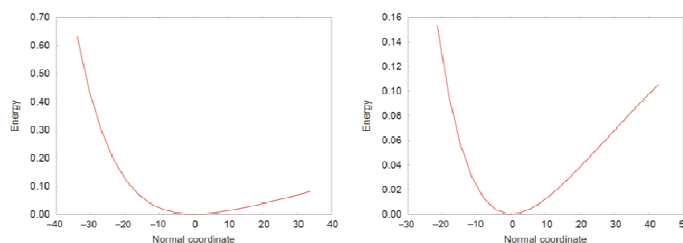
T. Hrenar and N. Kallay

Croat. Chem. Acta **85** (2012) CCCCXI.

FEATURE ARTICLE

Selected Aspects Concerning the Efficient Calculation of Vibrational Spectra beyond the Harmonic Approximation

Dominik Oschetzki, Michael Neff, Patrick Meier, Florian Pfeiffer, and Guntram Rauhut

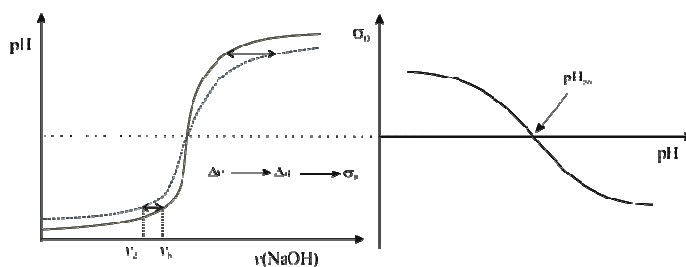


Croat. Chem. Acta **85** (2012) 379–390.

ORIGINAL SCIENTIFIC ARTICLES

Potentiometric Titrations as a Tool for Surface Charge Determination

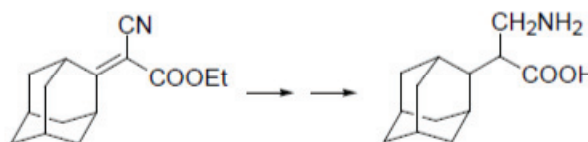
Johannes Lützenkirchen, Tajana Preočanin, Davor Kovačević, Vladislav Tomišić, Lars Lövgren, and Nikola Kallay



Croat. Chem. Acta **85** (2012) 391–417.

An Efficient Synthesis of Novel Adamantane β -Amino Acid: 2-(Adamant-2-yl)-3-aminopropanoic Acid

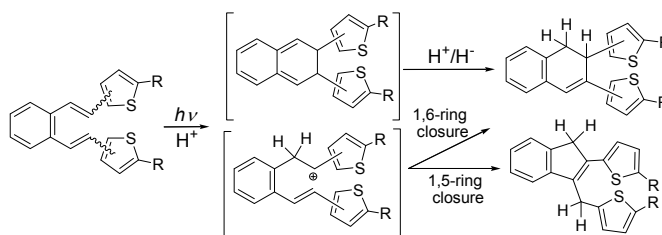
Vesna Petrović Peroković, Rosana Ribić, Biserka Prugovečki, Dubravka Matković-Čalogović, and Srđanka Tomić



Croat. Chem. Acta **85** (2012) 419–423.

Photochemical and Thermal Transformations of Thiophene *o*-Distyrylbenzene Analogues in Acidic Media

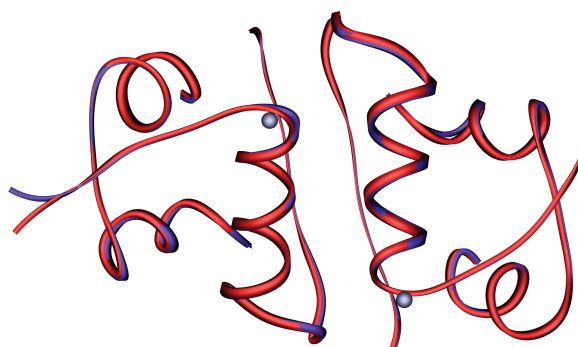
Dragana Vuk, Željko Marinić, Krešimir Molčanov, Biserka Kojić-Prodić, and Marija Šindler-Kulyk



Croat. Chem. Acta **85** (2012) 425–434.

High Resolution Structure of the Manganese Derivative of Insulin

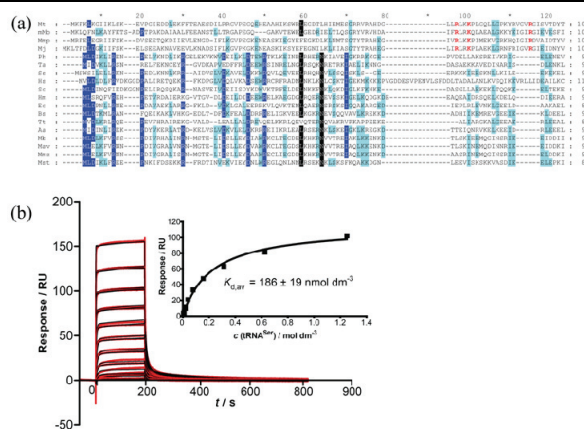
Biserka Prugovečki, Ivana Pulić, Martina Toth, and Dubravka Matković-Čalogović



Croat. Chem. Acta **85** (2012) 435–439.

Arginyl-tRNA Synthetase Facilitates Complex Formation Between Seryl-tRNA Synthetase and its Cognate Transfer RNA

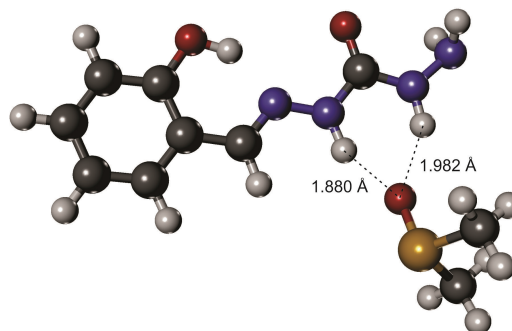
Vlatka Godinić-Mikulčić, Jelena Jarić, and Ivana Weygand-Đurašević



Croat. Chem. Acta **85** (2012) 441–449.

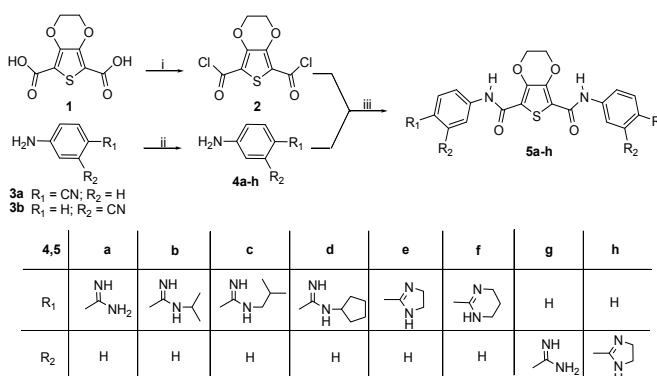
Synthesis, Structural Characterization and Hydrogen Bonding of Mono(salicylidene)carbohydrazide

Predrag Novak, Tomislav Jednačak, Jelena Parlov Vuković, Klaus Zangger, Mirta Rubčić, Nives Galić, and Tomica Hrenar



Croat. Chem. Acta **85** (2012) 451–456.

Synthesis, DNA Interactions and Anticancer Evaluation of Novel Diamidine Derivatives of 3,4-Ethylenedioxythiophene

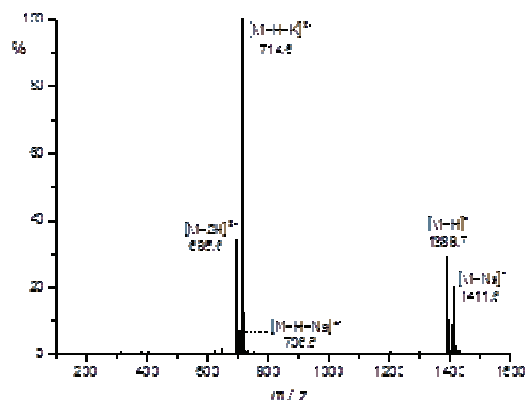


Ivana Stolić, Monika Avdičević, Nikola Bregović, Ivo Piantanida, Ljubica Glavaš-Obrovac, and Miroslav Bajić

Croat. Chem. Acta **85** (2012) 457–467.

ESI MS/MS Study of Calix[4]arene Derivatives and their Metal Complexes

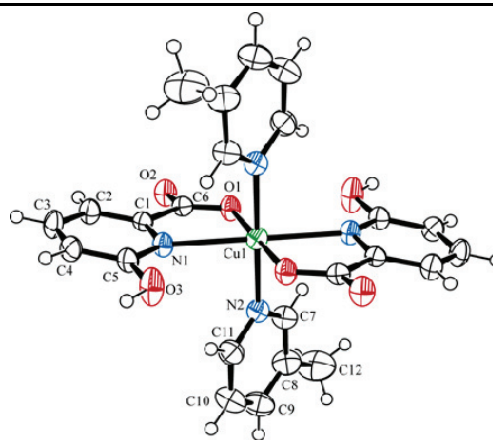
Tomislav Benković, Vladislav Tomišić, Leo Frkanec, and Nives Galić



Croat. Chem. Acta **85** (2012) 469–477.

Synthesis and Characterization of a Copper(II) Complex with 6-Hydroxypicolinic Acid and 3-Picoline

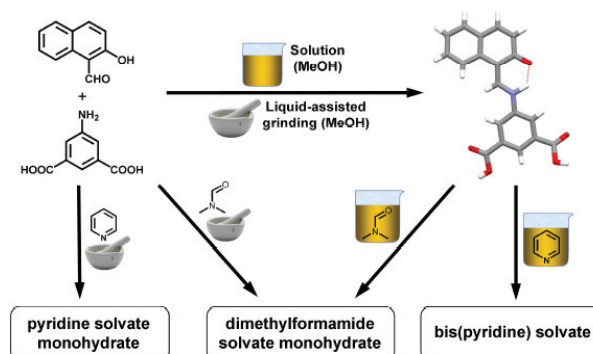
Boris-Marko Kukovec, Matija Kakša, and Zora Popović



Croat. Chem. Acta **85** (2012) 479–483.

Controlling Solvate Formation of a Schiff Base by Combining Mechanochemistry with Solution Synthesis

Vladimir Stilinović, Dominik Cinčić, Marija Zbačnik, and Branko Kaitner

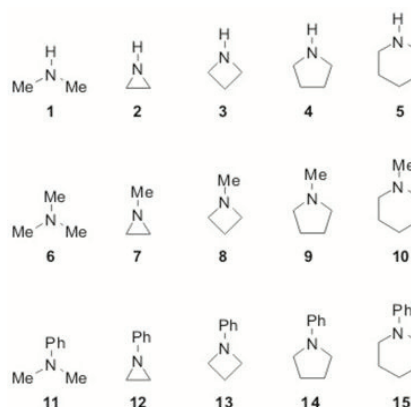


Croat. Chem. Acta **85** (2012) 485–493.

Ring Strain and Other Factors Governing the Basicity of Nitrogen Heterocycles – An Interpretation by Triadic Analysis

Nena Radić, Ines Despotović, and Robert Vianello

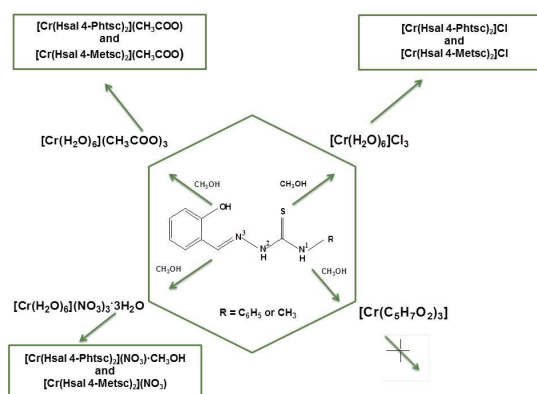
Croat. Chem. Acta **85** (2012) 495–504.



The Rare Examples of Thiosemicarbazonato Chromium(III) Complexes: Crystal Structures of $[\text{Cr}(\text{Hsal 4-Metsc})_2]\text{Cl}\cdot\text{CH}_3\text{OH}$ and $[\text{Cr}(\text{Hsal 4-Phtsc})_2]\text{Cl}$

Marina Cindrić and Mirta Rubčić

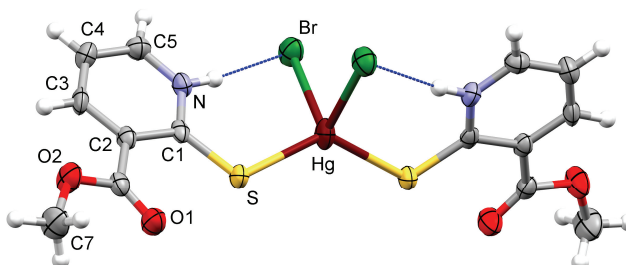
Croat. Chem. Acta **85** (2012) 505–513.



Synthesis, Spectral and Thermal Characterization of Bis(pyridine-3-carboxy-2-thiolato-S)mercury(II). Crystal Structure of Dibromobis(3-metoxycarbonylpyridine-2-thiolato-S)mercury(II)

Željka Soldin, Dražen Vikić-Topić, Gordana Pavlović, Marijana Vinković, Dubravka Matković-Čalogović, and Zora Popović

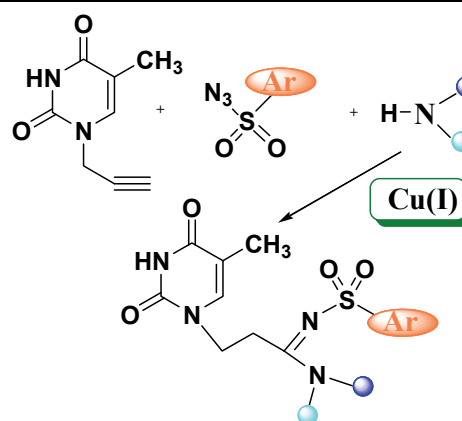
Croat. Chem. Acta **85** (2012) 515–524.



Synthesis of Novel Aliphatic N-sulfonylamidino Thymine Derivatives by Cu(I)-catalyzed Three-component Coupling Reaction

Luka Krstulović, Hamit Ismaili, Miroslav Bajić, Aleksandar Višnjevac, Ljubica Glavaš-Obrovac, and Biserka Žinić

Croat. Chem. Acta **85** (2012) 525–534.

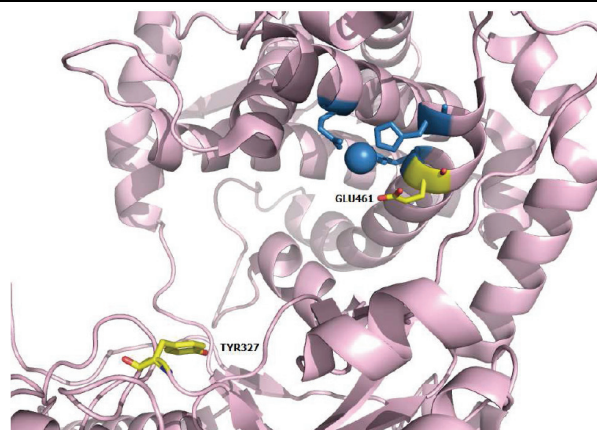


Croat. Chem. Acta **85** (2012) CCCIII.

**Yeast Ortholog of Peptidase Family M49:
the Role of Invariant Glu⁴⁶¹ and Tyr³²⁷**

Nina Jajčanin-Jozić, Peter Macheroux, and Marija Abramić

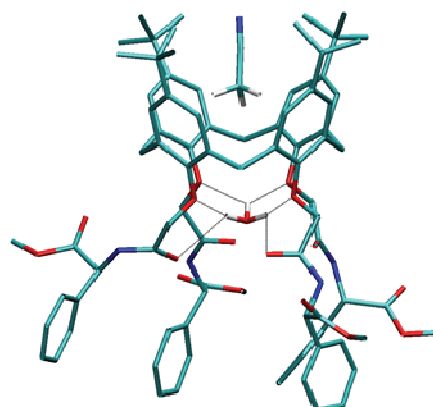
Croat. Chem. Acta **85** (2012) 535–540.



**Complexation of Oxonium and Ammonium Ions
by Lower-rim Calix[4]arene Amino Acid Derivatives**

Josip Požar, Gordan Horvat, Marina Čalogović,
Nives Galić, Leo Frkanec, and Vladislav Tomišić

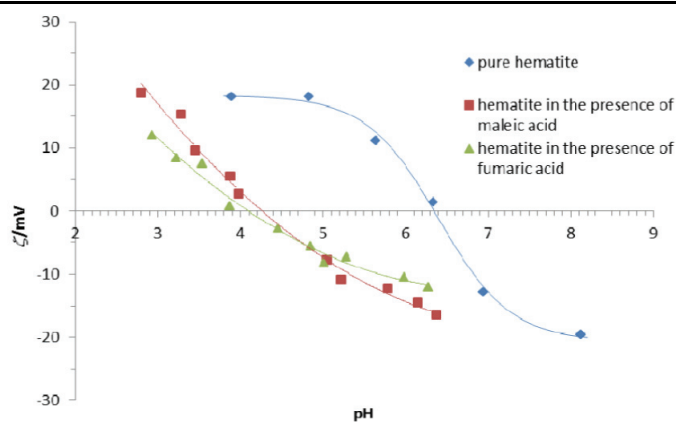
Croat. Chem. Acta **85** (2012) 541–552.



**Electrical Interfacial Layer at Hema-
tite/Dicarboxylic Acid Aqueous Interface**

Jasmina Salopek, Nikola Kallay, and Davor
Kovačević

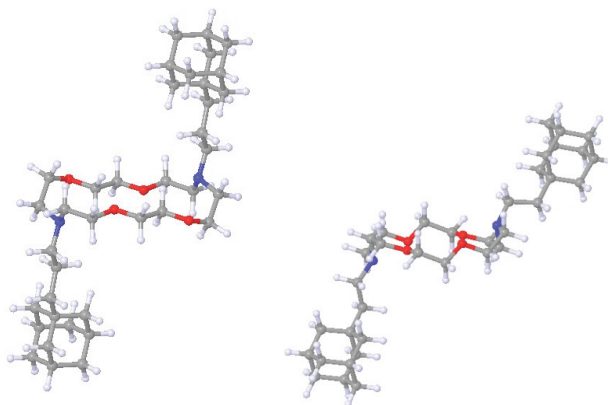
Croat. Chem. Acta **85** (2012) 553–558.



**Alkali Metal Ion Complexation of Adamantane
Functionalized Diaza-bibracchial Lariat Ethers**

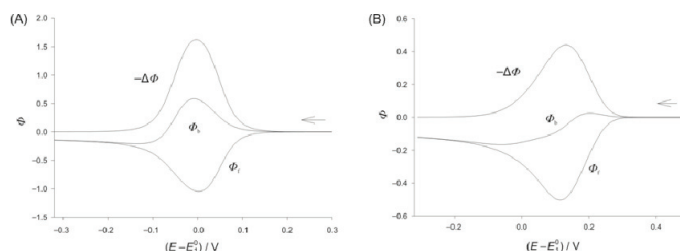
Tatjana Šumanovac Ramljak, Kata Mlinarić-
Majerski, and Branimir Bertoša

Croat. Chem. Acta **85** (2012) 559–568.



Theory of Square-wave Voltammetry of Kinetically Controlled Two-step Electrode Reactions

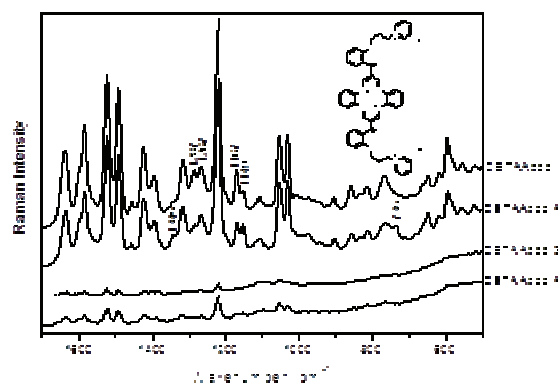
Milivoj Lovrić and Šebojka Komorsky-Lovrić



Croat. Chem. Acta **85** (2012) 569–575.

Surface-enhanced Raman Scattering Study of the Binding Modes of a Dibenzotetraaza[14]annulene Derivative with DNA/RNA Polynucleotides

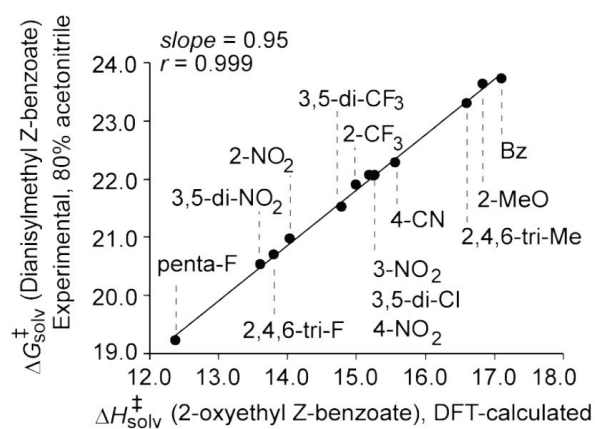
Snežana Miljanić, Adriana Dijanošić, Matea Kalac, Marijana Radić Stojković, Ivo Piantanida, Dariusz Pawlica, and Julita Eilmes



Croat. Chem. Acta **85** (2012) 577–584.

The Reactivity of Benzoates in Mixtures of Water and Aprotic Solvents

Mirela Matić, Bernard Denegri, and Olga Kronja

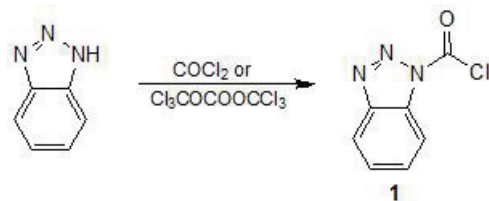


Croat. Chem. Acta **85** (2012) 585–594.

REVIEW

Benzotriazole as a Synthetic Auxiliary

Branka Zorc, Zrinka Rajić Džolić, and Ivan Butula

*Croat. Chem. Acta* **85** (2012) 595–602.

APPENDICES

ConclusionCCCCXIII
