

## INTRODUCTION

### FOREWORD

Leo Frkanec, Davor Margetić, and Dražen Vikić-Topić

*Croat. Chem. Acta* 2017, 90(4), 519–519

### Mladen Žinić – *Curriculum Vitae*

Leo Frkanec, Davor Margetić, and Dražen Vikić-Topić

*Croat. Chem. Acta* 2017, 90(4), 521–527

### Mladen Žinić – *List of Publications*

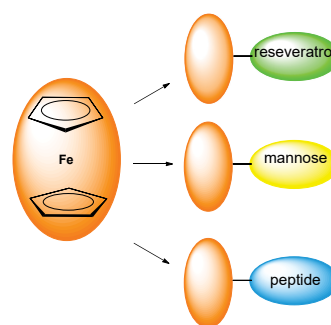
*Croat. Chem. Acta* 2017, 90(4), 529–536

## SCIENTIFIC ARTICLES

### Ferrocene Bioconjugates

Mojca Čakić Semenčić, Lidija Barišić

*Croat. Chem. Acta* 2017, 90(4), 537–569  
DOI: 10.5562/cca3246

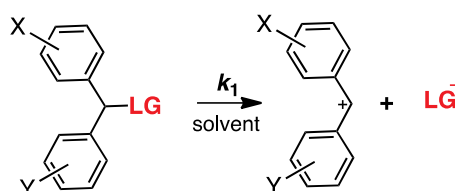


REVIEW

### Nucleofugality of Leaving Groups

Mirela Matić, Bernard Denegri, Sandra Jurić, Olga Kronja

*Croat. Chem. Acta* 2017, 90(4), 571–581  
DOI: 10.5562/cca3283



LG = series of sulfonates, halogens, carbonates  
phenolates, caboxylates, pyridines, sulfides

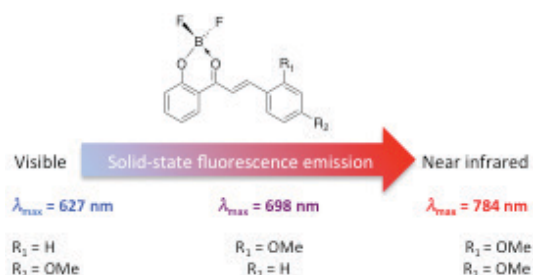
REVIEW

## Effect of Methoxy Substitution on Supramolecular Arrangement of Borondifluorides of 2'-Hydroxy Chalcones and their Solid-State NIR Fluorescence

Anthony D'Aléo, Elena Zaborova, Frédéric Fages

*Croat. Chem. Acta* **2017**, *90*(4), 583–588

DOI: 10.5562/cca3241

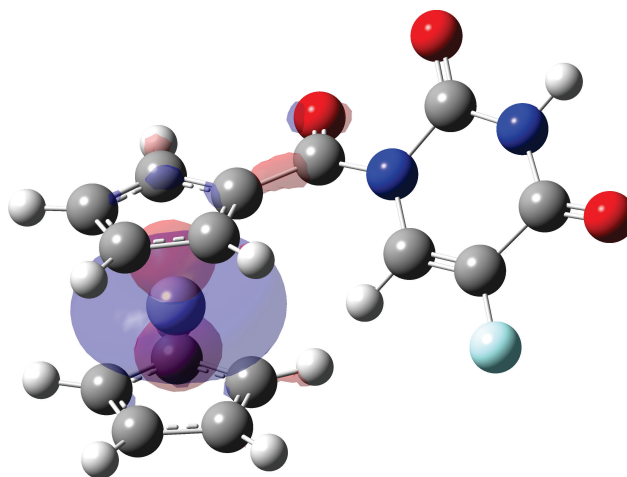


## Reduction Potential of Ferrocenoyl-Substituted Nucleobases. Experimental and Computational Study

Valentina Havaić, Senka Djaković, Jasmina Lapić, Tin Weitner, Davor Šakić, Valerije Vrčeka

*Croat. Chem. Acta* **2017**, *90*(4), 589–594

DOI: 10.5562/cca3229

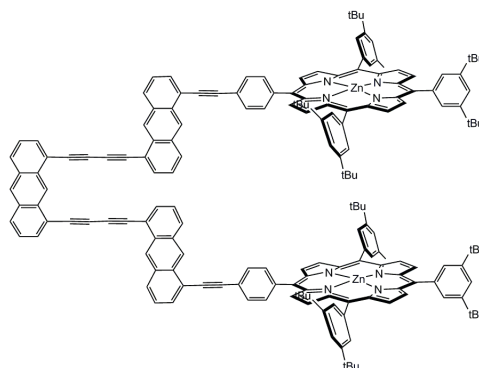


## Great Efficiency of Nucleosides as Organizing Tools

Sonja Merkaš, Souhaila Bouatra, Régis Rein, Ivo Piantanida, Mladen Žinić, Nathalie Solladié

*Croat. Chem. Acta* **2017**, *90*(4), 595–602

DOI: 10.5562/cca3247

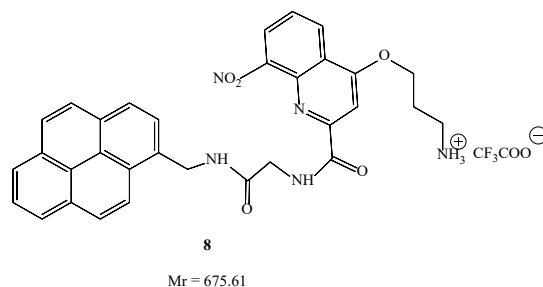


## Impact of the Supramolecular Organisation of Pyrene – Quinoline Conjugates on their Interaction with ds – DNA

Iva Orehovec, Danijel Glavač, Irena Dokli, Matija Gredičak, Ivo Piantanida

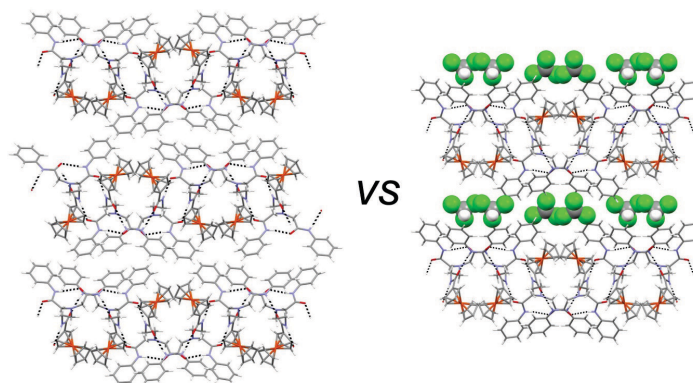
*Croat. Chem. Acta* **2017**, *90*(4), 603–611

DOI: 10.5562/cca3269



### A Case Study of Supramolecular Organization: One Ferrocene Substituted Iminodiacetamide and its Chloroform Solvate

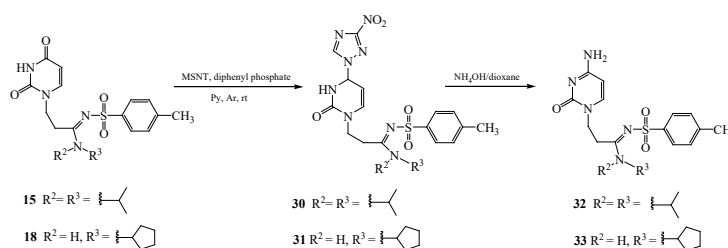
Natalija P. Juraj, Jeremy Le Pennec, Berislav Perić, Srećko I. Kirin



*Croat. Chem. Acta* **2017**, *90*(4), 613–623  
DOI: 10.5562/cca3270

### Synthesis and *In vitro* Activity of *N*-sulfonylamidine-derived Pyrimidine Analogues

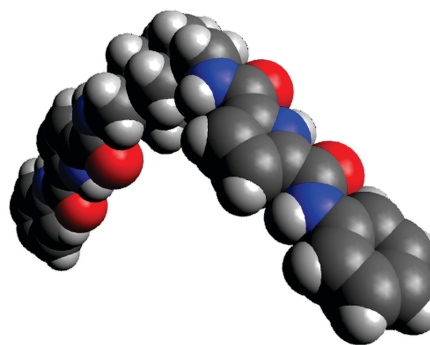
Luka Krstulović, Dijana Saftić, Hamit Ismaili, Miroslav Bajić, Ljubica Glavaš-Obrovac, Biserka Žinić



*Croat. Chem. Acta* **2017**, *90*(4), 625–636  
DOI: 10.5562/cca3273

### Synthesis and Anion Binding Assessment of Novel Adamantane Amidopyrroles

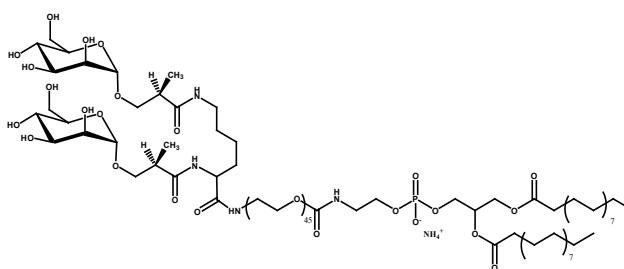
Marija Alešković, Mladena Glavaš, Marina Šekutor, Kata Mlinarić-Majerski



*Croat. Chem. Acta* **2017**, *90*(4), 637–643  
DOI: 10.5562/cca3248

### Mannosylated Liposomes with Built-in Peptidoglycan Based Immunomodulators for Subunit Vaccine Formulations

Adela Štimac, Krešo Bendelja, Maja Dutour Sikirić, Leo Frkanec, Ruža Frkanec



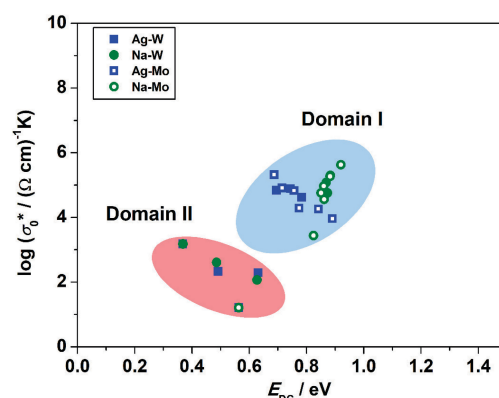
*Croat. Chem. Acta* **2017**, *90*(4), 645–656  
DOI: 10.5562/cca3309

## Mixed Ion-Polaron Glasses as New Cathode Materials

Juraj Nikolić, Ana Šantić, Luka Pavić, Damir Pajić, Petr Mošner, Ladislav Koudelka, Andrea Moguš-Milanković

*Croat. Chem. Acta* **2017**, *90*(4), 657–665

DOI: 10.5562/cca3330

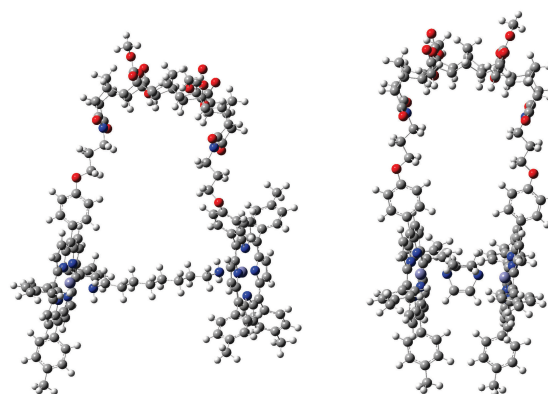


## Cooperativity in Binding of Aliphatic Diamines by Bis(Zn(II)porphyrin) Receptor with Moderately Flexible Linkers

Anamarija Briš, Pavle Trošelj, Davor Margetić

*Croat. Chem. Acta* **2017**, *90*(4), 667–677

DOI: 10.5562/cca3249

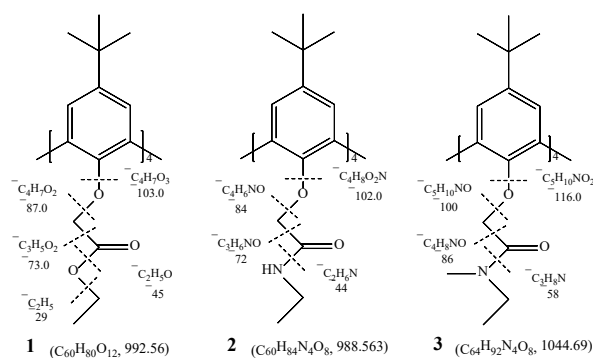


## UV-Vis and ESI MS/MS Study of Calix[4]arene Derivatives and Their Lanthanide Complexes

Marina Tranfić Bakić, Mariela Soledad Espinosa, Nikola Cindro, Leo Frkanec, Paola Alejandra Babay, Nives Galić

*Croat. Chem. Acta* **2017**, *90*(4), 679–687

DOI: 10.5562/cca3288

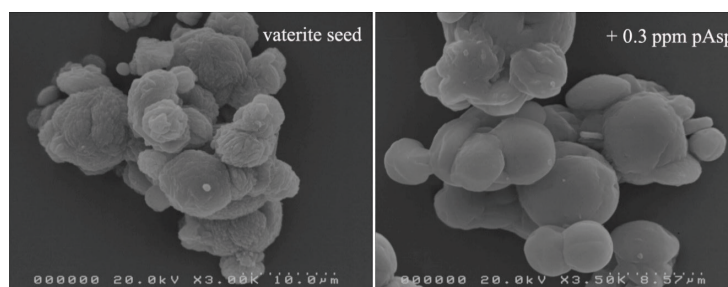


## Crystal Growth Mechanism of Vaterite in the Systems Containing Charged Synthetic Poly(Amino Acids)

Branka Njegić Džakula, Giuseppe Falini, Damir Kralj

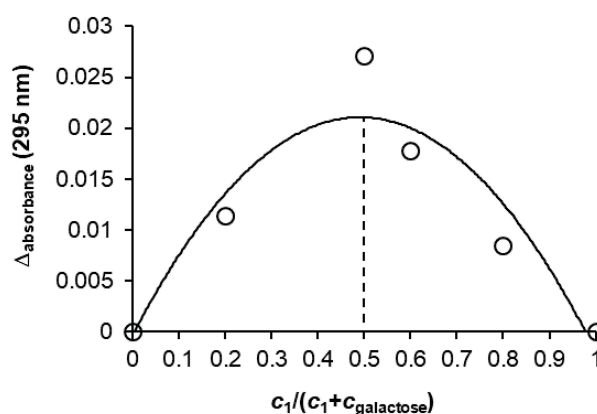
*Croat. Chem. Acta* **2017**, *90*(4), 689–698

DOI: 10.5562/cca3290



### Bicyclic Peptide Based Lectinomimic

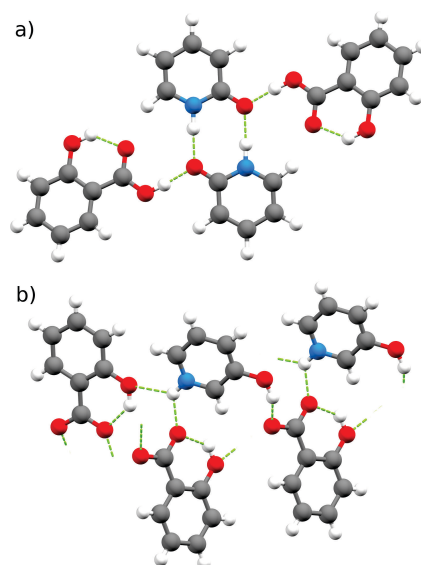
Maria C. Rodriguez, Nina Bionda, Claudia A. Johnson,  
Andreja Jakas, Predrag Čudić



*Croat. Chem. Acta* **2017**, *90*(4), 699–705  
DOI: 10.5562/cca3295

### Solid-State Supramolecular Assembly of Salicylic Acid and 2-Pyridone, 3-Hydroxypyridine or 4-Pyridone

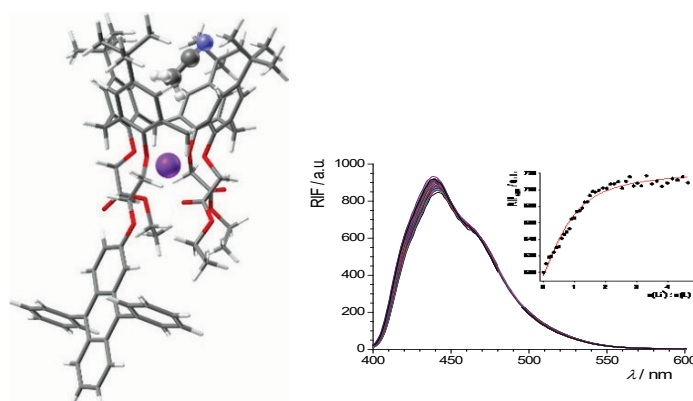
Stipe Lukin, Tomislav Stolar, Martina Tireli, Dajana Barišić,  
Marco di Michiel, Krunoslav Užarević, Ivan Halasz



*Croat. Chem. Acta* **2017**, *90*(4), 707–710  
DOI: 10.5562/cca3339

### Synthesis of Fluorescent Diphenylanthracene-Based Calix[4]arene Derivatives and their Complexation with Alkali Metal Cations

Marina Tranfić Bakić, Katarina Leko,  
Nikola Cindro, Tomislav Portada, Tomica  
Hrenar, Leo Frkanec, Gordan Horvat,  
Josip Požar, Vladislav Tomišić



*Croat. Chem. Acta* **2017**, *90*(4), 711–725  
DOI: 10.5562/cca3308