

INTRODUCTION

FOREWORD

Marina Šekutor

Croat. Chem. Acta 2019, 92(2), 137–137

Kata Mlinarić-Majerski – *Curriculum Vitae*

Croat. Chem. Acta 2019, 92(2), 139–140

Kata Mlinarić-Majerski – *List of Publications*

Croat. Chem. Acta 2019, 92(2), 141–151

SCIENTIFIC ARTICLES

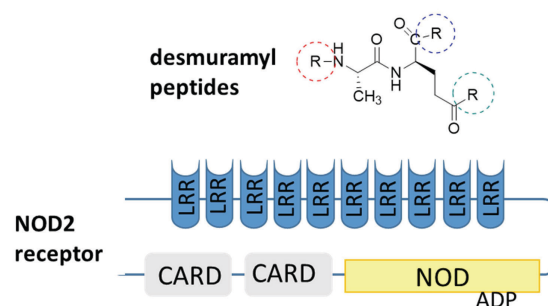
REVIEW

Advances in Desmuramyl Peptide Research

Rosana Ribić, Marija Paurević, Srđanka Tomić

Croat. Chem. Acta 2019, 92(2), 153–161

DOI: 10.5562/cca3556



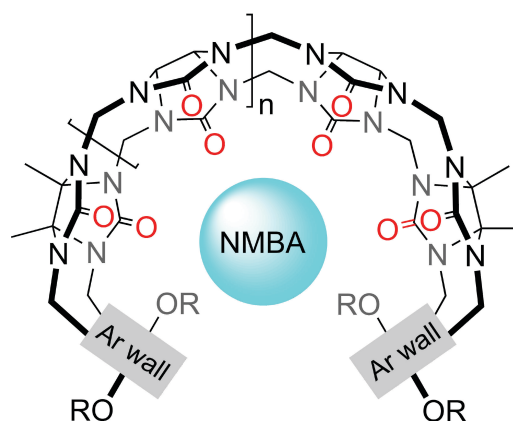
ORIGINAL SCIENTIFIC ARTICLE

Acyclic Cucurbit[n]uril-Type Containers as Receptors for Neuromuscular Blocking Agents: Structure–Binding Affinity Relationships

David Shaya, Lyle Isaacs

Croat. Chem. Acta 2019, 92(2), 163–171

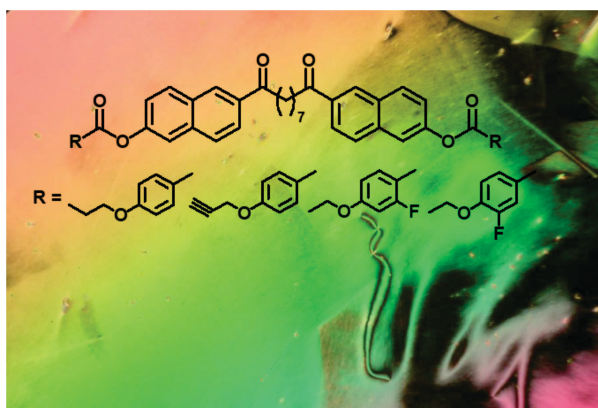
DOI: 10.5562/cca3507



Synthesis and Mesomorphic Properties of Novel Bent-shaped Naphthyl Diketones

Anđela Buljan, Anamarija Knežević, Irena Dokli, Andreja Lesac

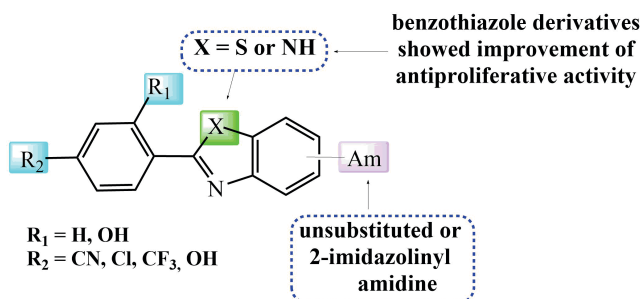
Croat. Chem. Acta **2019**, *92*(2), 173–179
DOI: 10.5562/cca3541



Synthesis and Antiproliferative activity *in vitro* of Amidino Substituted 2-phenylbenzazoles

Livio Racané, Kristina Butković, Irena Martin-Kleiner, Marijeta Kralj, Grace Karminski-Zamola, Marijana Hranjec

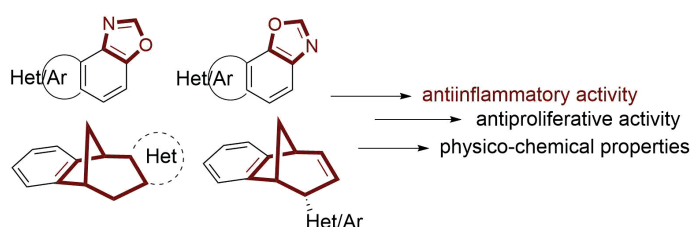
Croat. Chem. Acta **2019**, *92*(2), 181–189
DOI: 10.5562/cca3531



Antiinflammatory and Antiproliferative Activity of Naphthoxazole, Fused Hetero-benzoxazole and Bridged Benzobicyclic Photoproducts

Ivana Šagud, Ana Ratković, Matea Cedilak, Ivo Zlatar, Martina Bosnar, Vanja Kelava, Irena Škorić

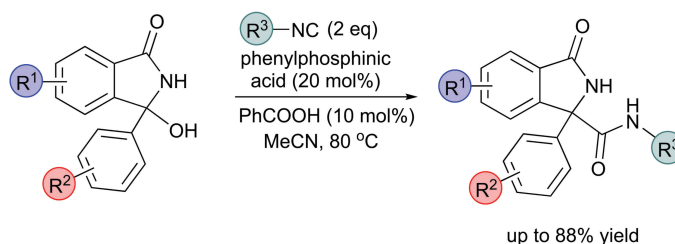
Croat. Chem. Acta **2019**, *92*(2), 191–201
DOI: 10.5562/cca3530



Organocatalytic Synthesis of α,α -Diaryl Substituted α -Amino Acid Derivatives by an Interrupted Three-Component Ugi Reaction

Danijel Glavač, Ivanka Jerić, Matija Gredičak

Croat. Chem. Acta **2019**, *92*(2), 203–209
DOI: 10.5562/cca3536

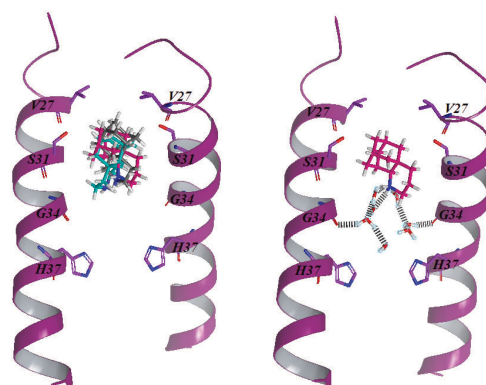


1,2-Annulated Adamantane Heterocyclic Derivatives as Anti-Influenza A Virus Agents

Vasiliki Pardali, Erofilii Giannakopoulou, Athina Konstantinidi, Antonios Kolocouris, Grigoris Zoidis

Croat. Chem. Acta **2019**, *92*(2), 211–228

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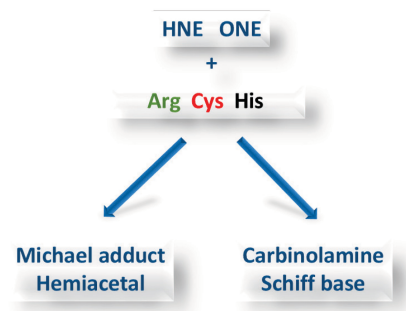


A Computational Insight into Reaction Between Different Amino Acids with Reactive Aldehydes 4-hydroxy-2-nonenal and 4-oxo-2-nonenal

Sanja Škulj, Mario Vazdar

Croat. Chem. Acta **2019**, *92*(2), 229–239

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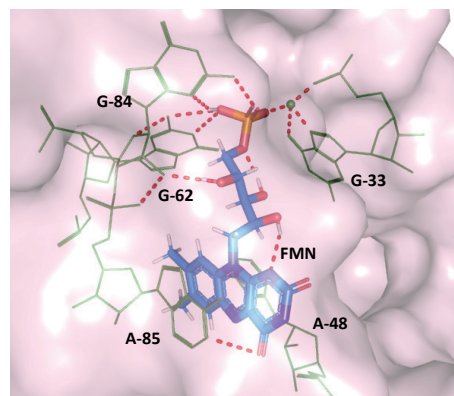


Mutation-Induced Conformational Changes and Energetics for Binding of FMN Ligand in Flavin Mononucleotide Riboswitch by Molecular Dynamics Simulations

Padmaja D. Wakchaure, Bishwajit Ganguly

Croat. Chem. Acta **2019**, *92*(2), 241–247

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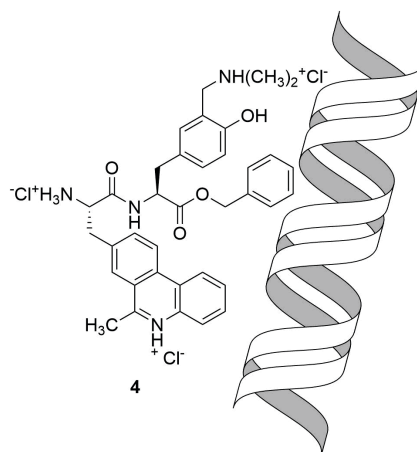


The Phenanthridine-modified Tyrosine Dipeptide: Synthesis and Non-covalent Binding to DNA and RNA

Antonija Erben, Josipa Matić, Nikola Basarić, Ivo Piantanida

Croat. Chem. Acta **2019**, *92*(2), 249–258

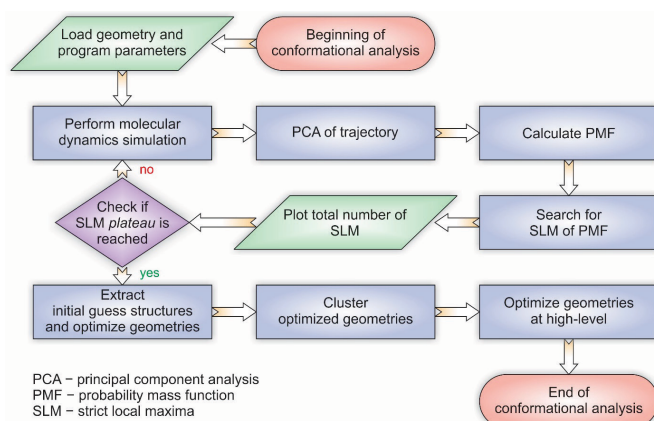
DOI: 10.5562/cca3542



Conformational Analysis of Cinchonine and Cinchonidine by Tensor Decomposition of Molecular Dynamics Trajectories

Karlo Sović, Tea Ostojić, Sara Cepić, Alma Ramić, Renata Odžak, Mirjana Skočibušić, Tomica Hrenar, Ines Primožič

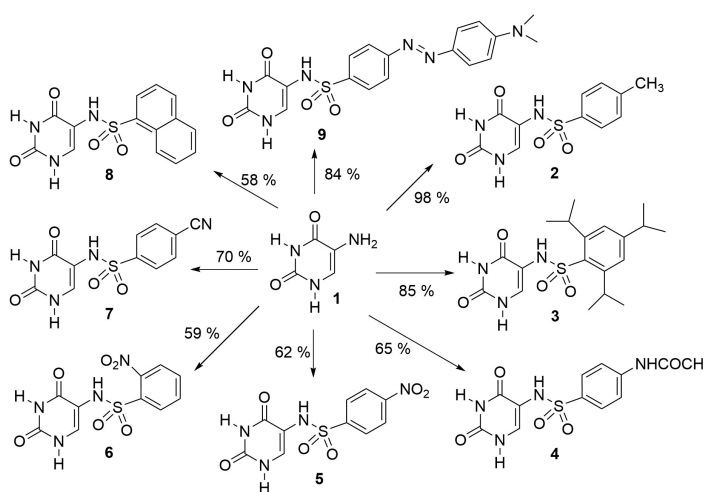
Croat. Chem. Acta **2019**, *92*(2), 259–267
DOI: 10.5562/cca3557



An Efficient Synthesis and *In vitro* Cytostatic Activity of 5-Aminosulfonyl Uracil Derivatives

Hamit Ismaili, Željka Ban, Josipa Matić, Dijana Saftić, Marijana Jukić, Ljubica Glavaš-Obrovac, Biserka Žinić

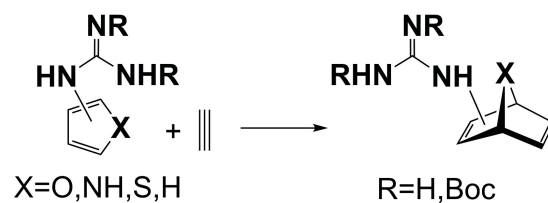
Croat. Chem. Acta **2019**, *92*(2), 269–277
DOI: 10.5562/cca3567



Computational Study of Electronic Influence of Guanidine Substitution on Diels-Alder Reactions of Heterocyclic Dienes

Ivana Antol, Luka Barešić, Zoran Glasovac, Davor Margetić

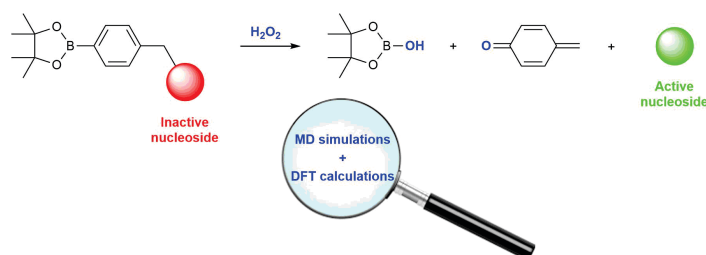
Croat. Chem. Acta **2019**, *92*(2), 279–286
DOI: 10.5562/cca3570



From Hydrogen Peroxide-Responsive Boronated Nucleosides Towards Antisense Therapeutics – A Computational Mechanistic Study

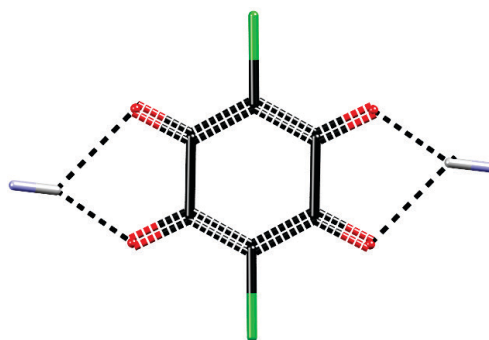
Tana Tandarić, Lucija Hok, Robert Vianello

Croat. Chem. Acta **2019**, *92*(2), 287–295
DOI: 10.5562/cca3592



Supramolecular Architecture of Chloranilate Salts with Organic Cations: π -stacking vs. Hydrogen Bonding

Krešimir Molčanov, Lidija Androš Dubraja, Marijana Jurić

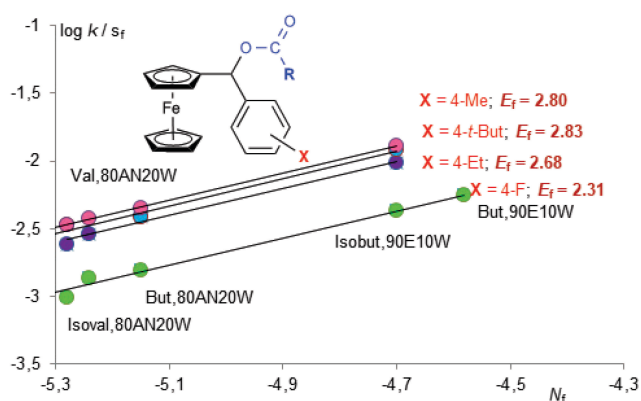


Croat. Chem. Acta **2019**, *92*(2), 297–305
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NOTE

Electrofugality of Some Ferrocenylphenylmethyl Cations

Sandra Jurić, Marijan Marijan, Olga Kronja

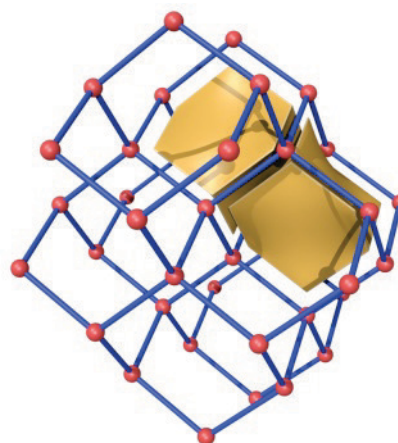


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ESSAY

A Strong Link Between Organic Chemistry and Chemical Crystallography Started a Century Ago

Biserka Kojić-Prodić, Krešimir Molčanov



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