

INTRODUCTION**FOREWORD**

Marija Luić, Aleksandar Višnjevac

Croat. Chem. Acta 2018, 91(2), 137–138

Autobiographical Essay

Biserka Kojić-Prodić

Croat. Chem. Acta 2018, 91(2), 139–147

SCIENTIFIC ARTICLES

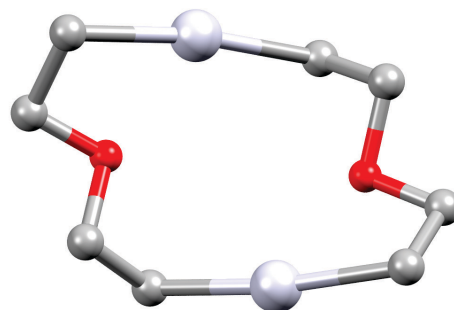
ESSAY

A Historical Perspective on Crystallography in Croatia and the Career of Biserka Kojić-Prodić from the Viewpoint of the CSD

Peter A. Wood, Clare A. Tovee, Andrew G. P. Maloney, Suzanna C. Ward

Croat. Chem. Acta 2018, 91(2), 149–152

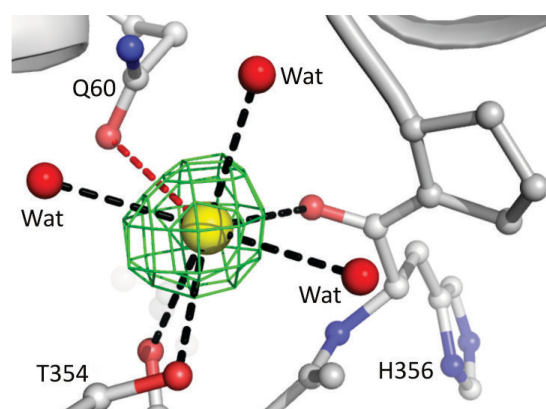
DOI: 10.5562/cca3342

**Crystal Structure of S-adenosyl-L-homocysteine Hydrolase from *Cytophaga hutchinsonii*, a Case of Combination of Crystallographic and Non-crystallographic Symmetry**

Justyna Czyrko, Mariusz Jaskolski, Krzysztof Brzezinski

Croat. Chem. Acta 2018, 91(2), 153–162

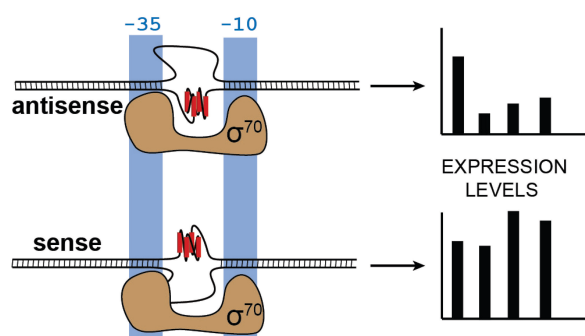
DOI: 10.5562/cca3345



Non-canonical Structures in Promoter Modulate Gene Expression in *Escherichia coli*

Sabina Božič Abram, Maja Marušič, Martina Lenarčič Živković, Jasna Brčić, Janez Plavec

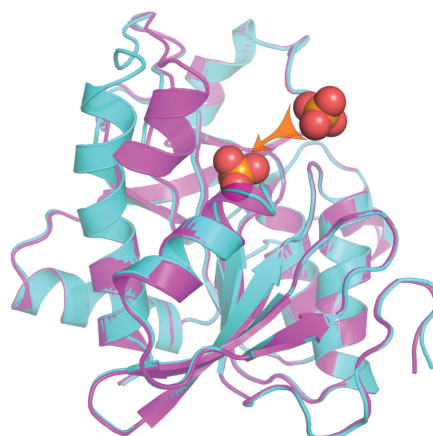
Croat. Chem. Acta **2018**, *91*(2), 163–170
DOI: 10.5562/cca3349



The Role of Phosphate Binding in Purine Nucleoside Phosphorylase of *Helicobacter pylori*

Marta Bošnjaković, Ivana Leščić Ašler, Zoran Štefanić

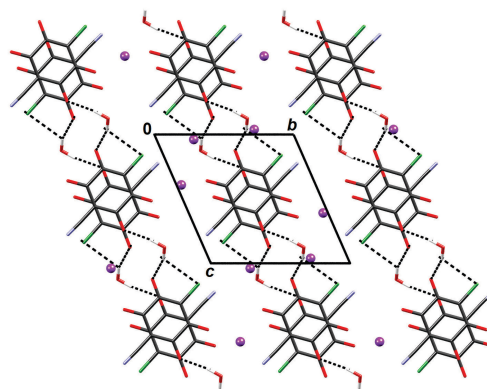
Croat. Chem. Acta **2018**, *91*(2), 171–175
DOI: 10.5562/cca3335



Alkali Salts of Nitranilic and Cyanochloranilic Acids

Valentina Milašinović and Krešimir Molčanov

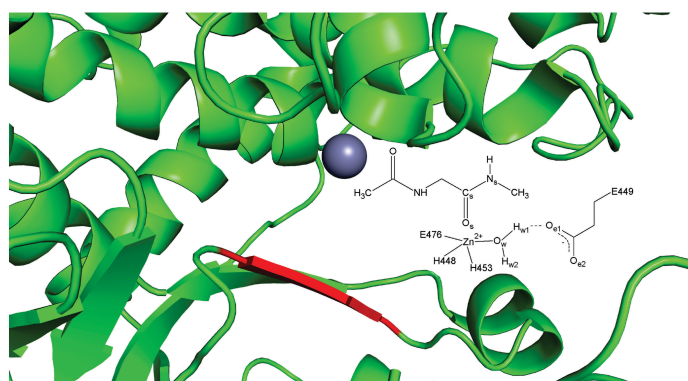
Croat. Chem. Acta **2018**, *91*(2), 177–186
DOI: 10.5562/cca3333



The Mechanism of Peptide Hydrolysis Catalysed by Dipeptidyl Peptidase III from *Bacteroides thetaiotaomicron*

Marko Tomin, Antonija Tomić, Borislav Kovačević, Sanja Tomić

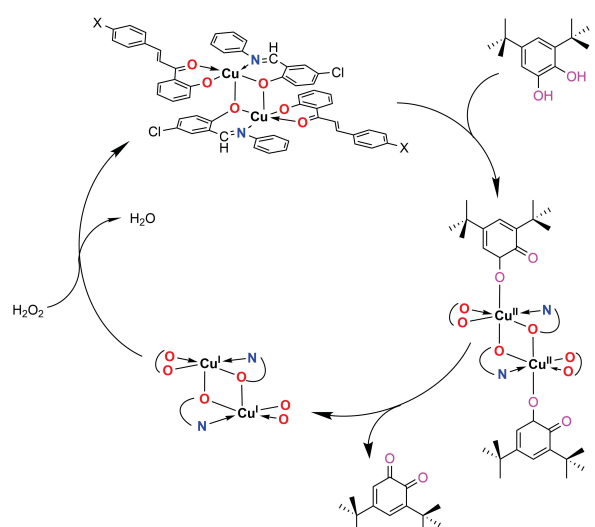
Croat. Chem. Acta **2018**, *91*(2), 187–193
DOI: 10.5562/cca3343



Chalcone and Flavonol Copper(II) Complexes Containing Schiff Base Co-Ligand: Synthesis, Crystal Structures and Catecholase-like Activity

Emira Kahrović, Adnan Zahirović, Aleksandar Višnjevac, Irnesa Osmanković, Emir Turkušić, Harun Kurtagić

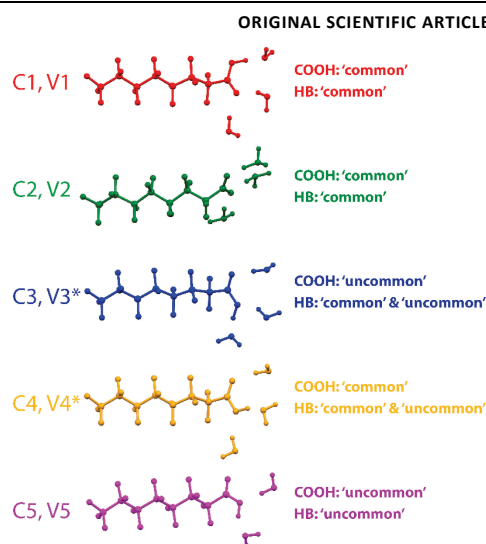
Croat. Chem. Acta **2018**, *91*(2), 195–207
DOI: 10.5562/cca3334



Structure Determination by Joint Effort of X-ray Powder Diffraction and Quantum Calculations: Crystal Structure and Short Hydrogen Bonding in Pentadecafluorooctanoic Acid Hydrate

Jernej Stare, Anton Meden, Dušan Hadži

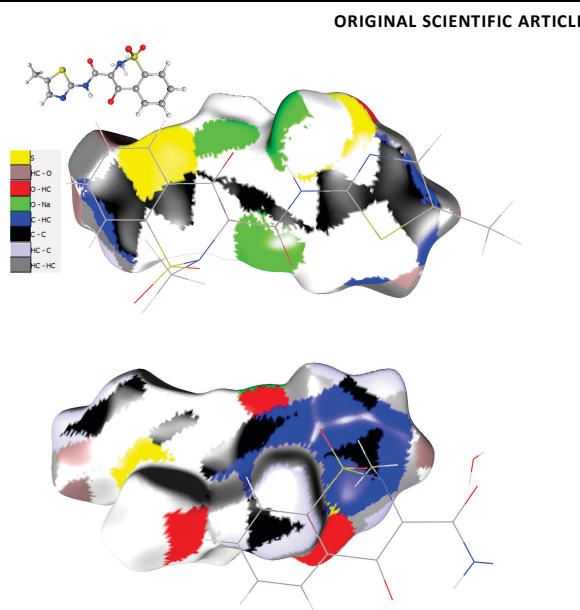
Croat. Chem. Acta **2018**, *91*(2), 209–220
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Experimental Charge Density Analysis of the Anti-inflammatory Drug Meloxicam [sodium 4-hydroxy-2-methyl-N-(5-methyl-1,3-thiazol-2-yl)-1,1-dioxo-1 λ {6},2-benzothiazine-3-carboxamide Monohydrate]

Niranjana Devi Rajendran, Arputharaj David Stephen, Christian Jelsch, Eduardo C. Escudero-Adán

Croat. Chem. Acta **2018**, *91*(2), 221–232
DOI: 10.5562/cca3346

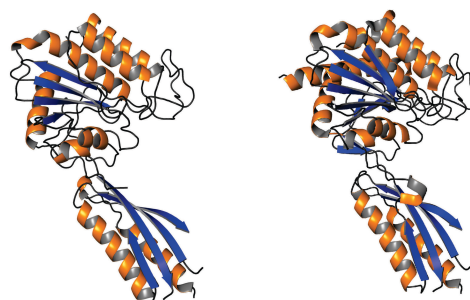


Auxin Amidohydrolases – From Structure to Function: Revisited

Ana Smolko, Jutta Ludwig-Müller, Branka Salopek-Sondi

Croat. Chem. Acta **2018**, *91*(2), 233–239

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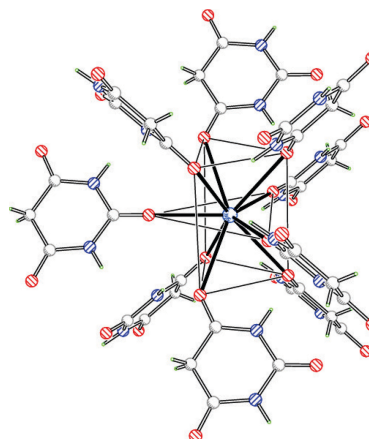


Cocrystals of Barbituric Acid with Alkali Metal Halides

William Clegg, Gary S. Nichol, Ashish Patel

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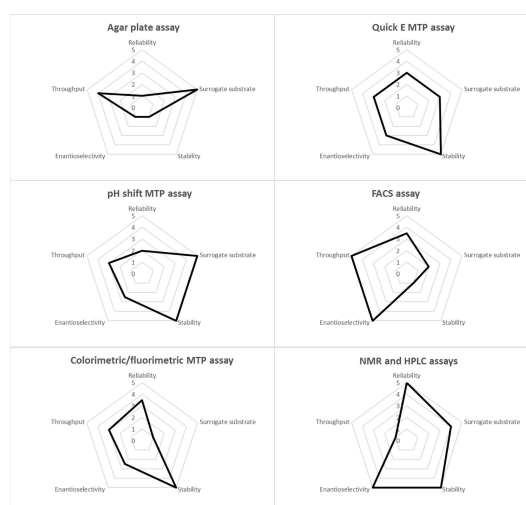


Identification of Stable and Enantioselective Lipases for Biotechnological Applications

Karl-Erich Jaeger, Alexander Fulton, Ulrich Schwaneberg, Jörg Pietruszka, Filip Kovacic

Croat. Chem. Acta **2018**, *91*(2), 249–253

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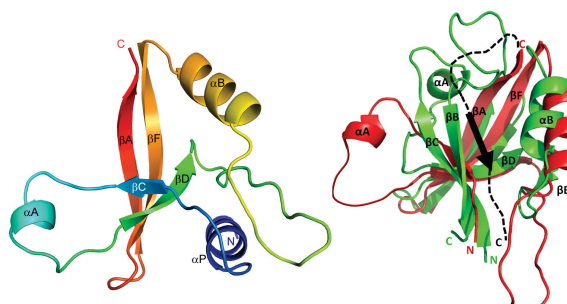


Crystal Structures of the Single PDZ Domains from GRASP65 and their Interaction with the Golgin GM130

Claudia M. Jurk, Yvette Roske, Udo Heinemann

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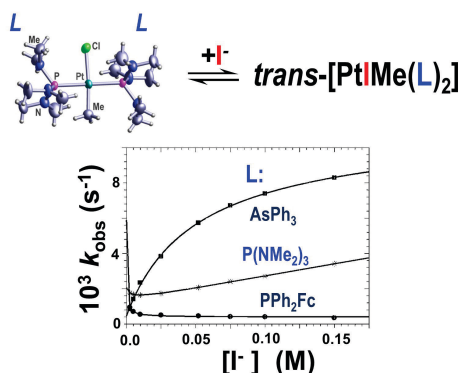


Structure and Reactivity Relationships in Methyl and Hydrido Complexes of Platinum(II) by Group 15 Donor Atom Ligands

Stefanus Otto, Ebrahiem Botha, Andreas Roodt

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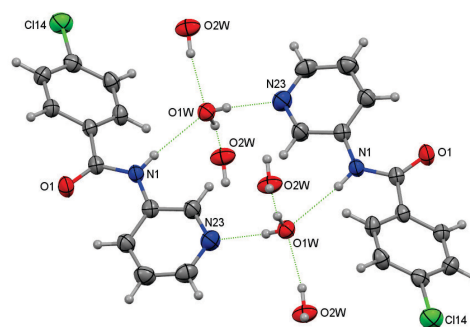
ORIGINAL SCIENTIFIC ARTICLE

Aggregation in Three Benzamide or Pyridylcarboxamide Hydrates: Formation of 1D Chains Comprising Water Molecules in a Chloro(pyridyl)benzamide Dihydrate

Pavle Mocijac, John F. Gallagher, Christian Jelsch

Croat. Chem. Acta **2018**, *91*(2), 281–288

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ORIGINAL SCIENTIFIC ARTICLE

Order-Disorder in Diaquobis(salicylato)copper(II) Revisited

Martin Lutz, Loes M. J. Kroon-Batenburg

Croat. Chem. Acta **2018**, *91*(2), 289–298

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