

Collect. Czech. Chem. Commun.

1999, 64, 585–594

The Effect of *p*-Toluidine on the Two-Step
Electroreduction of Zn(II) in Water–Methanol
and Water–Dimethylformamide

Barbara Marczevska

	MeOH	DMF
$\frac{K_{1\text{ tol}}^t}{K_1^t} =$	3.6	7.2
$\frac{K_{2\text{ tol}}^t}{K_2^t} =$	23.2	1.4

Collect. Czech. Chem. Commun.

1999, 64, 595–599

Thermodynamic Study
of Na₂Cr₂O₇(aq) at 25 °C

Christomir Christov, Snejana Velikova,
Kalina Ivanova and Stefan Tanev

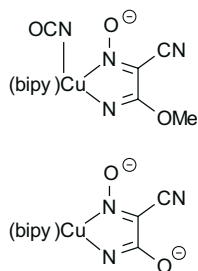
- Osmotic coefficients of Na₂Cr₂O₇(aq) at 25 °C
- Pitzer binary parameters of Na₂Cr₂O₇(aq)
- Thermodynamic solubility product, in K_{sp}° , and standard molar Gibbs energy of formation, $\Delta G_{\text{f,m}}^{\circ}$, of Na₂Cr₂O₇·2 H₂O

Collect. Czech. Chem. Commun.

1999, 64, 600–612

Complexes with New Chelate Anionic Ligands
Formed by Nucleophilic Addition in Copper(II)
Coordination Sphere. III. The Crystal Structures
of (2,2'-Bipyridine-*N,N'*)(cyanato-*N*)-[methyl(2-cyano-2-
imidoxy Ethaneimidate-*N,N'*)]copper(II) and
(2,2'-Bipyridine-*N,N'*)(2-cyano-2-imidoxy
Ethaneimidate-*N,N'*)copper(II)

Michal Dunaj-Jurčo, Ivan Potočník, Dušan Mikloš and Robert Klement

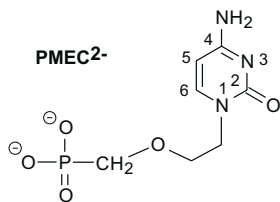


Collect. Czech. Chem. Commun.

1999, 64, 613–632

Metal Ion-Binding Properties
of the Nucleotide Analogue
1-[2-(Phosphonomethoxy)ethyl]cytosine
(PMEC) in Aqueous Solution

Claudia A. Blindauer, Antonín Holý
and Helmut Sigel

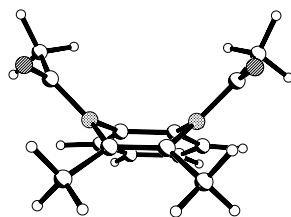


Collect. Czech. Chem. Commun.

1999, 64, 633–648

**Are 1,4-Dihydropyrazines Antiaromatic?
Ab initio Study of 1,4-Dihydropyrazines
and Their Tetrahydro Derivatives**

Pavel Vlček, Zdeněk Havlas
and Zdeněk Pavlíček

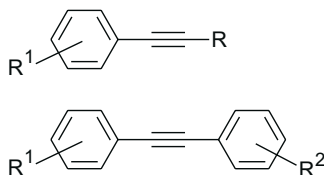


Collect. Czech. Chem. Commun.

1999, 64, 649–672

**Coupling Reactions of *ortho*-Substituted
Halobenzenes with Alkynes. The Synthesis
of Phenylacetylenes and Symmetrical or
Unsymmetrical 1,2-Diphenylacetylenes**

Irena G. Stará, Ivo Starý, Adrian Kollárovič,
Filip Teplý, David Šaman and Pavel Fiedler

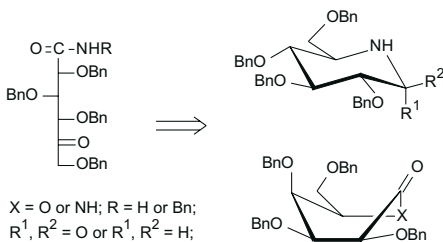


Collect. Czech. Chem. Commun.

1999, 64, 673–684

**Cyclization Dichotomy of *D*-xylo-Hex-
5-ulosnamides and Synthesis
of Piperidine Analogs of Aldohexoses
and Aldohexono-1,5-lactones**

Radka Kovářiková, Miroslav Ledvina
and David Šaman

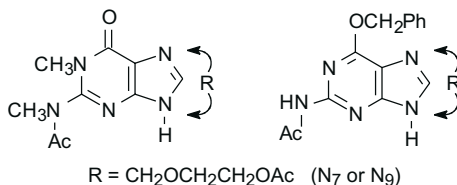


Collect. Czech. Chem. Commun.

1999, 64, 685–695

**Purine Nucleoside Analogues. 11.
An Alternative Synthesis of *N*- and
O-Alkyl Derivatives of 9- and
7-[(2-Acetoxyethoxy)methyl]-*N*²-acetyl-
guanine**

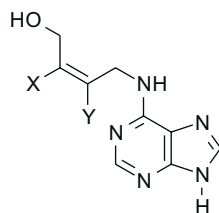
Marina Madre, Natella Panchenko,
Alexander Golbraikh, Regina Zhuk,
Upendra K. Pandit, Jan Genevasen and Gerrit-Jan Koomen



Collect. Czech. Chem. Commun.
1999, 64, 696–702

**A Hetero Diels–Alder Access to (Z)-Zeatin
and (Z)-Isozeatin**

Vladimír Tolman, Jan Hanuš
and Petr Sedmera

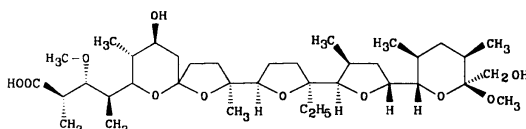


X = Me; Y = H or X = H; Y = Me

Collect. Czech. Chem. Commun.
1999, 64, 703–709

**Acetal Formation is Responsible for the Non-Closed
Form of Monensin A in Methanolic Solution**

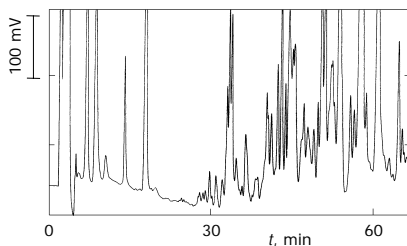
Petr Sedmera and Stanislav Pospíšil



Collect. Czech. Chem. Commun.
1999, 64, 710–716

**Peptide Maps of Porcine Pepsin
Prepared Using Soluble and
Immobilized α -Chymotrypsin**

Hana Vaňková, Zdenka Kučerová
and Marie Tichá



Collect. Czech. Chem. Commun.
1999, 64, 717–725

**Chaperone-Like Activity of Human
Haptoglobin: Similarity with
 α -Crystallin**

Zdeněk Pavlíček and Rüdiger Ettrich

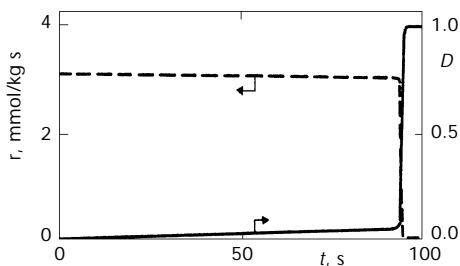
A new role of blood glycoprotein

Haptoglobin: A Chaperone?

Collect. Czech. Chem. Commun.
1999, 64, 726–734

**Transient Kinetic and Thermodynamic
Behaviour of Langmuir Adsorption
in a Flow System**

Miloslav Pekař and Josef Koubek



Collect. Czech. Chem. Commun.
1999, 64, 735–746

**Synergism Between Ni and W in the Ni-W/C
Sulfide Catalyst in Hydrodenitrogenation
of Pyridine and Hydrodesulfurization
of Thiophene**

Daniela Gulková and Miroslav Zdražil

