

Collect. Czech. Chem. Commun.
62, 981–994 (1997)

Hydrophilicity Quantification of Highly Hydrophobic Decadodecasil 3R

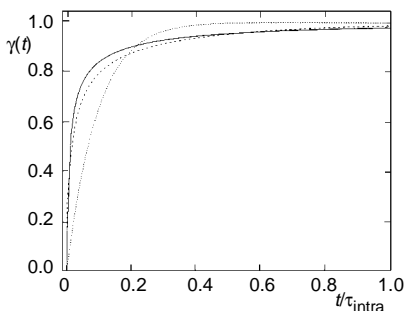
Marcel J. den Exter, Jacobus C. Jansen,
Herman van Bekkum, Arlette Zikanova,
Josef Dubsy and Milan Kocirik



Collect. Czech. Chem. Commun.
62, 995–1014 (1997)

Theory of Tracer Exchange in Single-File Systems

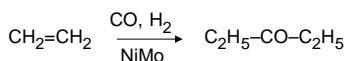
Christian Rodenbeck, Jorg Karger
and Karsten Hahn



Collect. Czech. Chem. Commun.
62, 1015–1022 (1997)

Transformation of Ethene Into Ketones by CO and H₂ Over NiMo Sulfide Catalysts

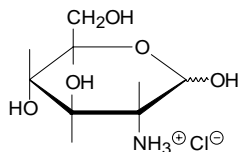
Zdeněk Vit, Jean Louis Portefaix
and Michéle Breysse



Collect. Czech. Chem. Commun.
62, 1023–1028 (1997)

Equilibrium Studies of Alkyltin(IV) Complexes with D-Glucosamine

Mohamed M. Shoukry and Samir M. El-Medani



D-Glucosaminium chloride

Collect. Czech. Chem. Commun.
62, 1029–1042 (1997)

HPLC of Platinum Metals and Gold Based on Their Bromo Complexes

†Josef Dolezal and Lumir Sommer

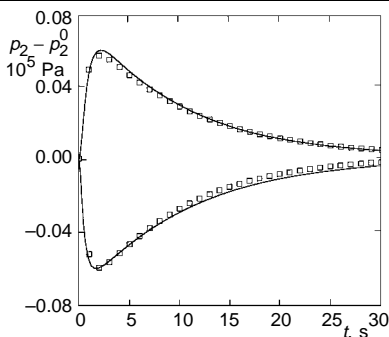
Retention times sequence:

$\text{Rh}^{\text{III}} < \text{Ir}^{\text{III}} < \text{Ru}^{\text{III}} < \text{Pd}^{\text{II}} < \text{Pt}^{\text{II}} < \text{Os}^{\text{IV}} < \text{Pt}^{\text{IV}} < \text{Au}^{\text{III}}$
(60% CH_3CN , $2 \cdot 10^{-3}$ CTMA, 0.05 M NaBr, pH 3),
Separon SGX RPS.

Collect. Czech. Chem. Commun.
62, 1043–1056 (1997)

Steady-State and Dynamic Mass Transfer of Gases in Porous Materials

Axel Tuchlenski, Oliver Schramm
and Andreas Seidel-Morgenstern



Collect. Czech. Chem. Commun.
62, 1057–1069 (1997)

Pyrolysis of Hexadecane

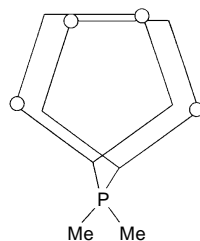
Elena Bartekova and Martin Bajus

$$k = 3.5 \cdot 10^9 \exp(-162\,000/RT), \text{ s}^{-1}$$

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62, 1070–1079 (1997)

Cobaltacarboranes with Intramolecular Monophosphorus Bridges 8,8'- μ -Me₂P(1,2-C₂B₉H₁₀)₂-3-Co, 6,6'- μ -Me₂P(1,7-C₂B₉H₁₀)₂-2-Co and the Respective Non-Bridged Trimethylphosphine Derivatives (8-Me₃P-1,2-C₂B₉H₁₀)-3-Co-(1,2-C₂B₉H₁₁) and (6-Me₃P-1,7-C₂B₉H₁₀)-2-Co-(1,7-C₂B₉H₁₁)

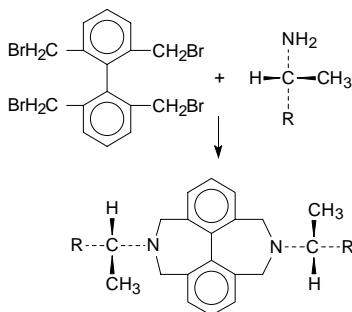
Andreas Franken, Jaromír Plešek, Jiri Fusek and Markus Semrau



Collect. Czech. Chem. Commun.
62, 1080–1088 (1997)

**Novel Intramolecular Induction of Axial Chirality
by a Centrally Chiral Element
in the Biphenyl Series**

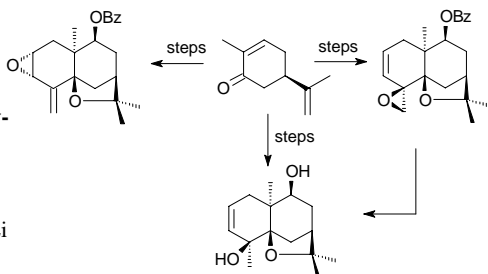
Milos Tichy, Jana Gunterova
and Jiri Zavada



Collect. Czech. Chem. Commun.
62, 1089–1094 (1997)

Synthesis of 2 α ,3 α -Epoxy-9 β -benzoyloxy- β -agarofuran and 2,3-Dehydro-4 β ,12-epoxy-9 β -benzoyloxy- β -dihydroagarofuran

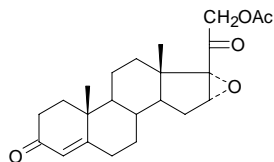
Fajun Nan, Lijun Liu, Zhaoming Xiong,
Yonggang Chen, Tongshuang Li and Yulin Li



Collect. Czech. Chem. Commun.
62, 1095–1104 (1997)

Reactions of 21-Acetoxy-16 α ,17 α -epoxypregn-4-ene-3,20-dione with Nitrogen-Containing Nucleophilic Agents

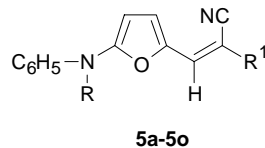
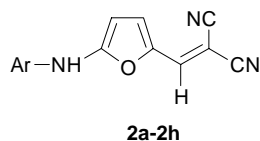
Jiri Protiva, Thi Thu Huong Nguyen,
Jiri Urban and Eva Klinotova



Collect. Czech. Chem. Commun.
62, 1105–1113 (1997)

**Preparation of Derivatives of 2-Cyano-3-(5-N-arylamino-
or 5-N-Alkyl-N-phenylamino-2-furyl)propenoic Acids**

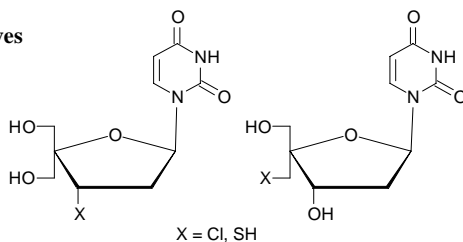
Peter Safar, Frantisek Povazanec, Pavel Cepec
and Nada Pronayova



Collect. Czech. Chem. Commun.
62, 1114–1127 (1997)

Preparation of Chloro and Sulfanyl Derivatives of 1-(2-Deoxy-4-C-hydroxymethyl- α -L-threo-pentofuranosyl)uracil

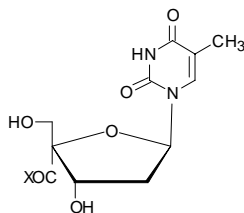
Hubert Hrebabecky, Jan Balzarini
and Antonin Holy



Collect. Czech. Chem. Commun.
62, 1128–1135 (1997)

Preparation of Thymidine-4'-C-carboxylic Acid and Its Derivatives

Hubert Hrebabecky and Antonin Holy



X = OH, NH₂, NHH₂, NHCH₂CONH₂,
N(CH₃)₂, NHCH₂CH₂OH

Collect. Czech. Chem. Commun.
62, 1136–1142 (1997)

Sequencing Strategy for a Protein-Linked Genome: Spontaneous Reversions of Ochre Triplet in the Phage ϕ 29 Gene 17

Vladimír Fucik, Vladimír Chaloupecky,
Jaroslav Beran and Jiri Jonak

- ϕ 29-terminal protein protects the DNA against 5' exonuclease
- Proteinase K removes the protective effect only partially