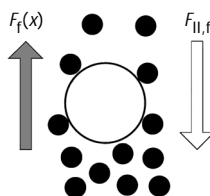


Collect. Czech. Chem. Commun.
2000, 65, 1067–1072

Macroscopic-Microscopic Paradox in Dynamic Equilibrium Focusing

Josef Janča



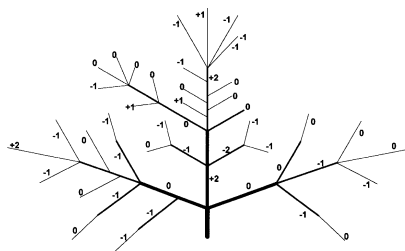
Balance between the expelling surface force $F_f(x)$ due to the concentration gradient of small particles and counteracting constant force $F_{II,f}$ acting on larger particles in bidisperse colloidal mixture generates focusing phenomenon. This is a paradox compared with macroscopic model of isopycnic focusing based on the application of Archimedes principle.

Collect. Czech. Chem. Commun.
2000, 65, 1073–1081

Comparison of Procedures for Isolation of Monoterpene Hydrocarbons from Fresh Needles of *Picea abies* and *Picea omorica*

Valerie Holubová, Iva Chvřilíčková
and Vlastimil Kubáň

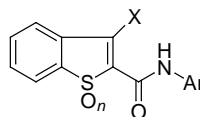
Schematic distribution of MTHs in a branch



Collect. Czech. Chem. Commun.
2000, 65, 1082–1092

Synthesis and Biological Evaluation of New Antiinflammatory 1-Benzothiophene-2-carboxanilides

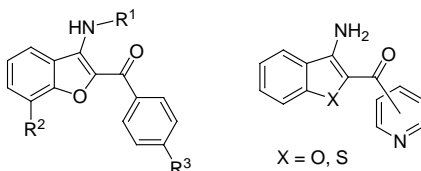
Jiří Svoboda, Michal Štádlér, Antonín Jandera,
Vladimíra Panajotová and Miroslav Kuchař



Collect. Czech. Chem. Commun.
2000, 65, 1093–1108

Synthesis and Analgesic Activity of Some Substituted 1-Benzofurans and 1-Benzothiophenes

Stanislav Rádl, Petr Hezký,
Petr Konvička and Ivan Krejčí

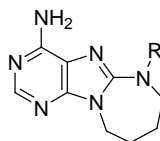


$R^1 = H, CH_2CO_2H$; $R^2, R^3 = H, OCH_2CO_2H, O(CH_2)_3NMe_2$

Collect. Czech. Chem. Commun.
2000, 65, 1109–1125

**Synthesis of Acyclic Adenine
 8,N-Anhydronucleosides**

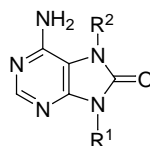
Kateřina Meszárosová, Antonín Holý
 and Milena Masojídková



Collect. Czech. Chem. Commun.
2000, 65, 1126–1144

**Synthesis of Acyclic Nucleoside and
 Nucleotide Analogs Derived from
 6-Amino-7H-purin-8(9H)-one**

Zlatko Janeba, Antonín Holý
 and Milena Masojídková

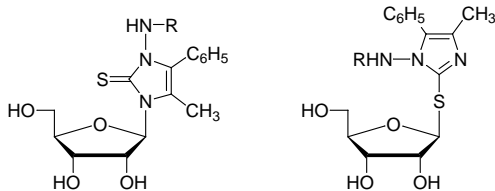


$R^1 = R^2$ or $R^1 \neq R^2$

Collect. Czech. Chem. Commun.
2000, 65, 1145–1155

**Glycosylation of
 1-Aminoimidazole-2(3H)-thiones**

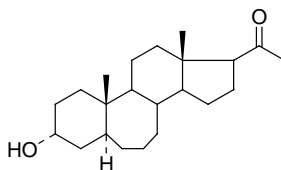
Irene M. Lagoja, Arthur Van Aerschot,
 Chris Hendrix and Piet Herdewijn



Collect. Czech. Chem. Commun.
2000, 65, 1156–1162

**Allopregnanolone Derivatives: Synthesis of
 3 α -Hydroxy-7 α -homo-5 α -pregnan-20-one**

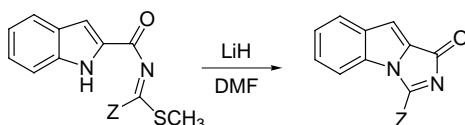
Hana Chodounská and Alexander Kasal



Collect. Czech. Chem. Commun.
2000, 65, 1163–1172

A New Approach to Imidazo[1,5-*a*]indole Derivatives

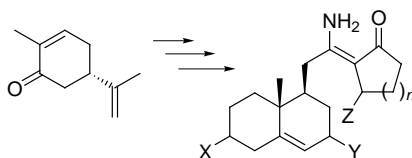
Peter Kutschy, Mojmír Suchý,
Milan Dzurilla, Mitsuo Takasugi
and Vladimír Kováčik



Collect. Czech. Chem. Commun.
2000, 65, 1173–1182

Synthesis of 8,14-Secosteroids from (*S*)-(+)-Carvone

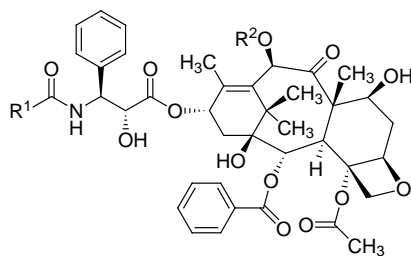
Anna I. Kotyatkina, Vladimir N. Zhabinskii,
Vladimir A. Khripach and Aede de Groot



Collect. Czech. Chem. Commun.
2000, 65, 1183–1190

Cytochromes P450 Involved in Cyclophosphamide, Paclitaxel and Docetaxel Metabolism in Rats

Lucie Bořek-Dohalská, Ivan Gut,
Pavel Souček, Zdeněk Roth
and Petr Hodek



Taxanes - metabolism

Collect. Czech. Chem. Commun.
2000, 65, 1191–1197

Proteases of HIV-1 and MAV Hydrolyze Specifically Human Apo-Hemopexin

Ivan Kluh, Věra Černá, Iva Pichová
and Zdeněk Voburka

- Interdomain hydrolysis of apo-hemopexin by retroviral proteases
- Specificity distinct from cleavage sites in retroviral polyprotein

Collect. Czech. Chem. Commun.

2000, 65, 1198–1204

**Purification and Characterisation
of a Vitellogenin Derived Aminopeptidase
from Rainbow Trout Eggs**

Jakub Kronovetr, Jana Barthová,
Tomislav Barth and Helena Ryšlavá

Vitellogenin structure:

