ISSN 0300-922X JCPRB4(7) 769–910(1994)

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 1

Organic and Bio-organic Chemistry

CONTENTS

Perkin Communications

Articles

Corrigenda

AUTHOR INDEX

NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

Forthcoming Articles in *Perkin Transactions 1*

Double Enantioselective Transesterification of Racemic Carboxylic Esters and Cyclic *meso*-Diols by Lipase Catalysis
F. Theil, A. Kunath, M. Ramm, T. Reiher and **H. Schick**

Reaction of 1,1-Dichloro-2-(chloromethyl)cyclopropane with Some Carbanions: A Simple Synthesis of 1,2-Disubstituted Methylenecyclopropanes
A. Jonczyk, I. Kmiotek-Skarzynska and **T. Zdrojewski**

Novel Conversion of *E* Stereoselectivity to *Z* Stereoselectivity in Trifluoromethylated α,β-Unsaturated Esters and Nitriles by way of *O*-Methylation of an Ylide Anion
Y. Shen and **S. Gao**

The Chemistry of the Herbicidins. Reactivity of Silyl Enol Ethers Derived from Simple and Carbohydrate-based Tetrahydropyrans **T.C. Gallagher, P.J. Cox, A.M. Griffin, N.J. Newcombe, S. Lister, M.V.J. Ramsay** and **D. Alker**

The High-pressure Diels-Alder Reaction of Buckminsterfullerene with Several Tropones. Characterisation of the 1:1-Cycloadducts **H. Takeshita, J.-F. Liu, N. Kato, A. Mori** and **R. Isobe**

Synthesis of the Indole Nucleoside Antibiotics Neosidomycin and SF-2140
R.H. Wightman, J. Stoddart and **J.G. Buchanan**

On the Stereochemistry of Epoxidation of Allylic and Homoallylic Cyclohexene Alcohols
P. Kocovsky

Approaches to Pseudopeptidic Ergopeptines. Part 2. Consequences of the Incorporation of an α-Azaproline Residue into the Oxacyclolic System
G. Lucente, F. Pinnen, G. Luisi, A. Calcagni, E. Gavuzzo and **S. Cerrini**

Quinaphthin, a Binaphthyl Quinonoid Secondary Metabolite produced by *Helicoon richonis*
J.S. Whitehurst, P. Adriaenssens, A.E. Anson, P.J. Fisher, K.G. Orrell, J. Webster and **M.J. Begley**

Absolute Stereochemistry of Spiciferones and Spicifernin, Bioactive Metabolites of the Fungus *Cochliobolus spicifer*: Evidence for their Unique Biosynthesis
H. Nakajima, K. Fukuyama, H. Fujimoto, T. Baba and **T. Hamasaki**

New Phenol-containing Bis(azacrown ether)s: Synthesis and Complexing Properties
A.V. Bordunov, N.G. Lukyanenko, V.N. Pastushok, V.I. Vetrogon, N.I. Vetrogon and **J.S. Bradshaw**

Preparation of Dithiadiazafulvalene Precursors: 2-Piperidino-1,3-thiazolines or 2-Unsubstituted-1,3-thiazolines from the Reduction of the Corresponding 2-Piperidino Mesoionic Thiazoles
A. Robert, M. Bssaibis and **A. Souizi**

Magnesium Mediated *ortho*-specific Formylation and Formaldoximation of Phenols
D. Levin, R. Aldred, R. Johnston and **J. Neilan**

Stereoselective Synthesis of 7-Substituted Jasmonic Acid Derivatives and Investigation of their Biological Activity
S. Blechert, T. Taapken, E.W. Weiler and **M.H. Zenk**

Chemoenzymatic Large-scale Synthesis of L-Leucovorin **Y.Kuge, K. Inoue, K. Ando, T. Eguchi, T. Oshiro, K. Mochida, T. Uwajima, T. Sugaya, J. Kanazawa, M. Okabe** and **S. Tomioka**

Synthesis of Optically Active Tetracyclic Quassinoid Skeleton
T.K.M. Shing and **Y. Tang**

A Reinvestigation of the Synthesis of *trans*-(+)-1,2,3,4,4a,10a-Hexahydrobenzo[1,4]dioxino[2,3-*c*]pyridine
P.A. Procopiou, P.C. Cherry, M.J. Deal and **B. Lamont**

Asymmetric Synthesis of (–)-(1*R*,2*S*)-Cispentacin and Related *cis*- and *trans*-2-Amino Cyclopentane- and Cyclohexane-1-carboxylic Acids
S.G. Davies, O. Ichihara, I. Lenoir and **I.A.S. Walters**

5TH BELGIAN ORGANIC SYNTHESIS SYMPOSIUM

organized under the auspices of the Royal Belgian Academy of Sciences, Letters and Fine Arts. Namur, July 11-15, 1994

The symposium will include:

- The Merck-Schuchardt Chair in Organic Synthesis: a one-day course on a specific topic;
- A series of plenary lectures with ample time for discussion;
- A special lecture delivered by the recipient of Dr. Paul Janssen Prize for Creativity in Organic Synthesis;
- Poster sessions;
- An exhibition of scientific instruments, books and chemicals.

The conference will take place in the auditorium Pedro Arrupe" of the "Facultés Universitaires Notre Dame de la Paix, Namur"

The Merck-Schuchardt Chair

will be held on July 11 by Prof. **D. Seebach**, Zürich, Switzerland.
Chairman: J.M. Lehn (Strasbourg) France

The following distinguished scientists

have accepted the invitation to present a plenary lecture:

- **Adam W.** (Würzburg) Germany
- **Fraser-Reid B.** (Durham) U.S.A
- **Ghosez L.** (Louvain-la-Neuve) Belgium
- **Greene A.** (St. Martin D'Heres) France
- **Lehn J.-M.** (Strasbourg) France
- **Masamune** (Cambridge) U.K.
- **Murahashi S.-I.** (Osaka) Japan
- **Nicolaou K.C.** (La Jolla) U.S.A.
- **Smith A.** (Philadelphia) Pennsylvania - U.S.A.
- **Stoddart J.F.** (Birmingham) U.K.
- **Zard S.Z.** (Palaiseau) France

The organizing committee:

Prof. A. Krief, Chairman (Namur), Dr. W. Dumont (Namur), Prof. L. Hevesi (Namur)

The scientific committee:

P. De Clercq (Gent), L. Ghosez (Louvain-la-Neuve), A. Krief (Namur), G. L'abbé (Leuven), J. Nasielski (Bruxelles), M. Vandewalle (Gent), H.G. Viehe (Louvain-la-Neuve)

General Information:

Those who intend to contribute a poster should submit an abstract on a special form (mailed with the second circular letter).
For further information contact the chairman of the symposium:
Prof. A. Krief, Facultés Universitaires Notre Dame de la Paix, Department of Chemistry
61, rue de Bruxelles, B-5000 Namur, Belgium
Tel. 32.81.72.45.39 - Fax 32.81.72.45.36
Financial support such as sponsoring, publicity in the programme or participation in the exhibition is gratefully welcomed.

BELGIAN
ORGANIC
SYNTHESIS
SYMPOSIUM

The Merck-Schuchardt Chair in Organic Synthesis:

The Merck-Schuchardt Chair is a one-day course on a specific topic in organic synthesis. A scientist, who has performed excellent work in this field, gives a seminar reviewing both his own research and results of other scientists. The Merck-Schuchardt Chair will be awarded every other year on the occasion of the "Belgian Organic Synthesis Symposium" (BOSS) and carries DM 10,000. The scientific committee of the BOSS selects the subject and nominates the lecturer. The chair will be moderated by a distinguished scientist. Merck-Schuchardt's intention is to create an institution providing the latest scientific knowledge in a special field of synthesis.

Dr. Paul Janssen Prize for Creativity in Organic Synthesis:

The Dr. Paul Janssen Prize for Creativity in Organic Synthesis will be awarded to an organic chemist by Janssen Chimica and the Janssen Research Foundation, on the occasion of the "Belgian Organic Synthesis Symposium". Nominations must be made on a form available from Dr. Marcel Janssen, Janssen Research Foundation, Turnhoutseweg 30, B-2340 Beerse, Belgium. Deadline for nominations: November 30, 1993
Rules for nominations are available at the above address. The prize consists of a medal, a citation as well as Ecu 7,500. The laureate will be announced in a special advertisement.
Jury: Prof. L.Ghosez (Chairman), Prof. H. Kagan, Prof. C. Szantay, Prof. M. Vandewalle Prof. F. Arcamone, Prof. G. Pattenden, Prof. E. Winterfeldt, Dr. M. Janssen (Secretary)