Journal of Chemical Research, Issue 11, 1991

Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research (S)*, Issue 11, is reproduced below.

- 303 Synthesis and Complexation of 1,4,10,13-Tetraoxa-7,16-diazacyclooctadecane-*N*, *N'*-diylbis(glyoxime) **Emel Musluoğlu, Vefa** (*M* 2830) **Ahsen, Ahmet Gül** and **Özer Bekâroğlu**
- 304 Structure–Activity Relations. Part 10. Metal-ion-complexation Studies of a Series of Substituted Benzamidotetrazoles **Keith** (*M* 2801) **Bowden** and **Raj K. Sharma**
- 305 Structure-Activity Relations. Part 11. Biologically Active 2-Phenoxy-*N*-phenylpyridine-3-carboxamides: Potential Photo-(*M* 2901) affinity Labels and Fused-ring Analogues **Keith Bowden, Faisal P. Malik, Ken E. Pallett** and **Ian D. Tomlinson**
- 306 Synthesis of Homopiperazine Analogues of 2-Carboxy-4-(3-phosphonopropyl)piperazine Paul Barraclough, R. Duncan (M 2876) Farrant, Dianne Kettle and Steven Smith
- 307 Synthesis of 3-Acyl-4,4-dimethylcyclohexa-2,5-dienones and Related Cyclohexanones Gary Goodyear and Anthony John (M 2937) Waring
- 308 Potentiometric and Spectrophotometric Studies on Copper(II) and Iron(III) Complexes of 2-Amino-N-hydroxyhexanamide in (M 2815) Water Enrico Leporati
- 310 Marine Terpenes and Terpenoids. Part 12. Autoxidation of Dihydrofuranocembranoids
- (M 2840) Masaru Kobayashi
- 312 Compounds with Bridgehead Nitrogen. Part 67. The Synthesis and Stereochemistry of 7a,7b,8,9,16a,16b,17,18-Octahydroquino(M 2853) [1",2":3',4'][1,3]oxazino[6',5':5,6][1,3]oxazino[3,4-a]quinolines Trevor A. Crabb, Simon T. Ingate and Thomas G. Nevell
- 314 Organometalloidal Compounds with o-Phenylene Substituents. Part 21. Crystal and Molecular Structures of the Tetragonal (M 2861)

 Forms of 2,3,7,8-Tetramethoxyselenanthrene and of 2,3,7,8-Tetramethoxydibenzo[b,e][1,4]thiaselenine Marc Dötze, Winfried Hinrichs and Günter Klar
- 316 3-Hydroxypyrroles and 1*H*-Pyrrol-3(2*H*)-ones. Part 12. Autoxidation of 3-Alkoxypyrroles: Crystal and Molecular Structure of (*M* 2885) 5-Hydroxy-4-methoxy-1-methyl-5-phenyl-1*H*-pyrrol-2(5*H*)-one **Alexander J. Blake, Gordon A. Hunter** and **Hamish McNab**
- - 319 Synthesis of 1,2,5,6-Tetrahydro-2,4-benzodiazocine-3(4H)-thione: A Novel Heterocycle
 - (—) Philip Thompson and Paul Alewood
 - 320 Studies on Isocyanides and Related Compounds. Synthesis of *N*-Substituted 4-Aryl-2-arylthiomethyloxazole-5-carboxamides (—) Ricardo Bossio, Stefano Marcaccini and Roberto Pepino
 - Heterocycles from Nitrile Oxides: Synthesis of Some New Isoxazoles, Pyrrolo[3,4-d]isoxazoles and Isoxazolo[3,4-d]pyridazines

 (—) Hussein F. Zohdi, Fathy A. Khalifa, Abdou O. Abdelhamid and Abdelmoneim A. El-Tourgman
 - 324 Reactions of Tris(alkylthio)cyclopropenyl Cations with Phosphines Hideo Kojima, Kazuyoshi Ozaki, Noboru Matsumura and (—) Hiroo Inoue
 - 326 Pericyclic Reactions: Synthesis of Dimethyl Deca-4,6-dienedioate and Dimethyl 4,7-Dioxodecanedioate Vishwakarma Singh (—) and Pradeep T. Deota
 - 328 Synthesis of 3,3,6-Tribromochromanone and Observations on the Formation of 3-Bromochromen-4-one from 3,3-Dibromochromanone Chromanone Gwynn P. Ellis, Gareth Llewellyn, Geraint Williams and J. Michael Williams
 - 330 Synthesis of (Z, Z)-Tricyclohexaprenol
 - (-) Claude Ladenburger and Denis Heissler

N.B. The numbers in parentheses, prefaced by M, indicate the first frame occupied by the *full-text version* of the paper in J. Chem. Research (M). Where no such number is given, the paper as published in J. Chem. Research (S) is complete in itself, and there is no extra material in Part M.

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Biotransformations

A survey of the biotransformations of drugs and chemicals in animals

Volume 3

Edited by: D. R. Hawkins, Huntingdon Research Centre Ltd, UK

Biotransformations is an important series which has been devised to bring together all current information on the subject, in a readily accessible form. **Volume 3** provides up-to-date information on the biotransformation of pharmaceuticals, pesticides, food additives, and environmental and industrial chemicals in animals and will be of great interest to chemists, biochemists and toxicologists in a wide variety of industries, as well as to regulatory authorities and legislative bodies. Each volume reviews biotransformation pathways that have been reported in the literature in the preceding twelve months and although successive volumes may cover similar compounds the biotransformation pathway in each case will differ.

Volume 3 contains almost 270 abstracts covering the literature published during 1989 and provides the following information:

★ compound name

★ use/occurrence

★ key functional groups

★ test systems

- ★ structure and biotransformation pathway
- * precis of the test
- ★ references

The abstracts are arranged according to chemical classes and are assigned to key functional groups – a concept which has been developed to provide access to information on the biotransformations of compounds with similar structural features.

A listing of key functional groups is provided at the beginning of the book, together with an overview chapter which contains highlights such as novel biotransformations, mechanisms for toxicity and notable species differences.

Biotransformations Volume 3 is cumulatively indexed by compound, key functional group and reaction type, covering all entries in Volumes 1–3.

Hardcover xviii + 462 pages Price £89.50 ISBN: 0 85186 177 6 February 1991

Also available

Biotransformations Volume 1
ISBN: 085186 157 1 (1989)
Hardcover xxii + 512 pages
Price: £75.00

Biotransformations Volume 2
ISBN: 0 85186 167 9 (1990)
Hardcover xx + 496 pages
Price: £79.50

Special Package Price

New customers who wish to buy Volumes 1–3 as a set are entitled to a Special Package Price of £199.00 per set. A saving of £45.00!

ROYAL SOCIETY OF CHEMISTRY



Information Services To Order. Please write to the:

Royal Society of Chemistry, Turpin Transactions Ltd, Blackhorse Road, Letchworth, Herts SG6 1HN, UK. or telephone (0462) 672555 quoting your credit card details. We can now accept Access/Visa/MasterCard/Eurocard.

Turpin Transactions Ltd, distributors, is wholly owned by the Royal Society of Chemistry.

For information on other books and journals, please write to:

Royal Society of Chemistry, Sales and Promotion Department, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, UK.

RSC Members should obtain members prices and order from:
The Membership Affairs Department at the Cambridge address above.