

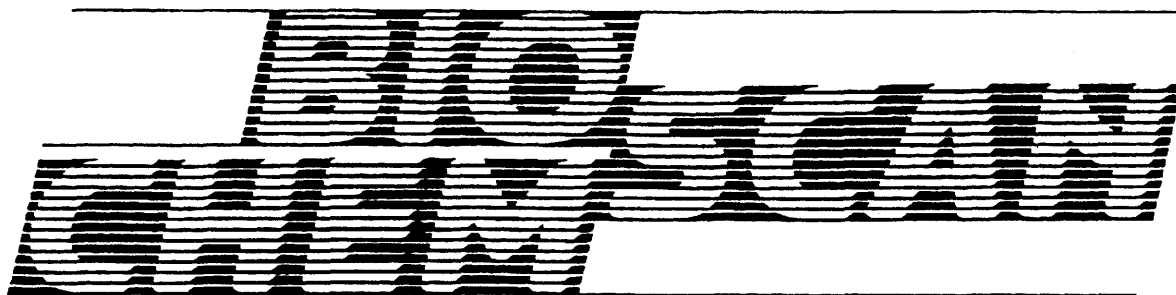
Journal of Chemical Research, Issue 4, 1992

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 4, is reproduced below.

- 117 Physicochemical Properties of Butanediol–Water Systems. Part 1. Densimetric, Viscosimetric and Dielectric Investigations of Butane-1,4-diol–Water Mixtures and Conductivity of Sodium Iodide in the Mixed Solvent **Adam Bald, Adam Szejgis, Jadwiga Woźnicka and Małgorzata Józwiak**
(M 0923)
- 118 Catalytic Activity of Diastereoisomeric Cyclic Dipeptides **Lucia L. Costanzo, Salvatore Giuffrida, Salvo Sortino and Giuseppe Pappalardo**
(M 0938)
- 119 Cyclic Amidines. Part 27. An Unambiguous Synthesis of 5,10,14c-Triazabenz[*a*]naphth[1,2,3-*de*]anthracene by a Palladium-catalysed Cyclodehalogenation **Christopher Upton**
(M 0951)
- 120 Novel Selectively Protected Spermidine Derivatives. Synthesis of a Natural Siderophore **M. João S. M. P. Araújo, Ulf Ragnarsson, M. Lurdes S. Almeida and M. Joaquina S. A. Amaral Trigo**
(M 0966)
- 121 Kinetics of Oxidation of Phenylglyoxal Hydrate by Bromine
Josefina Palou and C. Ian F. Watt
(M 0977)
- 122 New Aspects of the Catalytic Hydrogenation of 2,3,5,6,7,7a-Hexahydro-1 β -hydroxy-7 $\alpha\beta$ -methyl-5-oxo-1*H*-indene-4-propionic Acid, an Important Intermediate in the Total Synthesis of Steroids **Catherine Belle, Antonio Guarna, Paola Paoli and Paolo Dapporto**
(M 0901)
- 124 A Regioselective One-pot Synthesis of *N,N*-Dialkylamino Sugars via Aminosilanes **Syed Najam-ul-Hassain Kazmi, Zaheer Ahmad and Abdul Malik**
(M 0913)
- 126 Synthesis and Study of New Spiroarsoranes from Catecholamide Ligands **Mohamed Trabelsi, Yves Madaule and Jean-Gerard Wolf**
(M 0983)
- 128 Ring Opening of an Alkylidenedithiane via Thiophilic Attack by Organolithium Compounds **Patrick J. Crowley, Mark R. Leach, Otto Meth-Cohn and Basil J. Wakefield**
(—)
- 129 Alkylation of Dihydrogen Peroxide with Diazoalkanes
Heinz Kropf and Ronald Winter
(—)
- 130 An Unexpected Product Formation in the Course of a Peroxy Ester Fission
Heinz Kropf and Ralf Reichwaldt
(—)
- 132 Poly(4-vinylpyridinium bromochromate) and Poly(4-vinylpyridinium fluorochromate): New Polymer-supported Reagents for Oxidation **Narasimhachari Narayanan and Tiruvenkatanathapuram R. Balasubramanian**
(—)
- 134 Reaction of Methyl 2-Halogeno-3-arylpropenoates with Piperidine in Methanol **Ezzat A. Hamed, Saber M. Sharaf and Fatma El-Zahraa M. El-Hagazy**
(—)
- 136 Selective Effects of Proton–Deuterium Exchange on NMR Carbon Relaxation of Biomolecules in Aqueous Solution **Claudio Rossi, Maria Rosaria Sansoni and Alessandro Donati**
(—)

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*.

Make your research budget go further with...



Let us show you how to keep up-to-date in your specific area of research and ease the pressure on your budget, without using your valuable time!

An excellent current awareness service, CHEMSCAN/BIOSCAN:

- provides quick and easy access to the world's chemical and biological literature - we do all the searching for you on the Chemical Abstracts® and Biological Abstracts® databases
- requires no knowledge or experience of computers
- creates tailor-made searches to match your individual requirements which can be altered at any time
- despatches up-to-date information every two weeks on index cards, A4 paper or floppy disk
- can be less expensive than regular online searching
- is backed up by a friendly, professional team ready to help at any time
- offers **FREE** test searches before you subscribe

Take advantage of our FREE test searches! Simply complete and return the form below for further details (or attach your business card instead).

Please send me information on CHEMSCAN/BIOSCAN and FREE test searches

PC 92

Name

Position

Organisation

Address

.....

.....

Telephone No.

Return to:

Search Services, Room F38, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, United Kingdom. Alternatively phone Claire Lucas or Ann Ennis on (0223) 420066 ext. 369

ROYAL
SOCIETY OF
CHEMISTRY

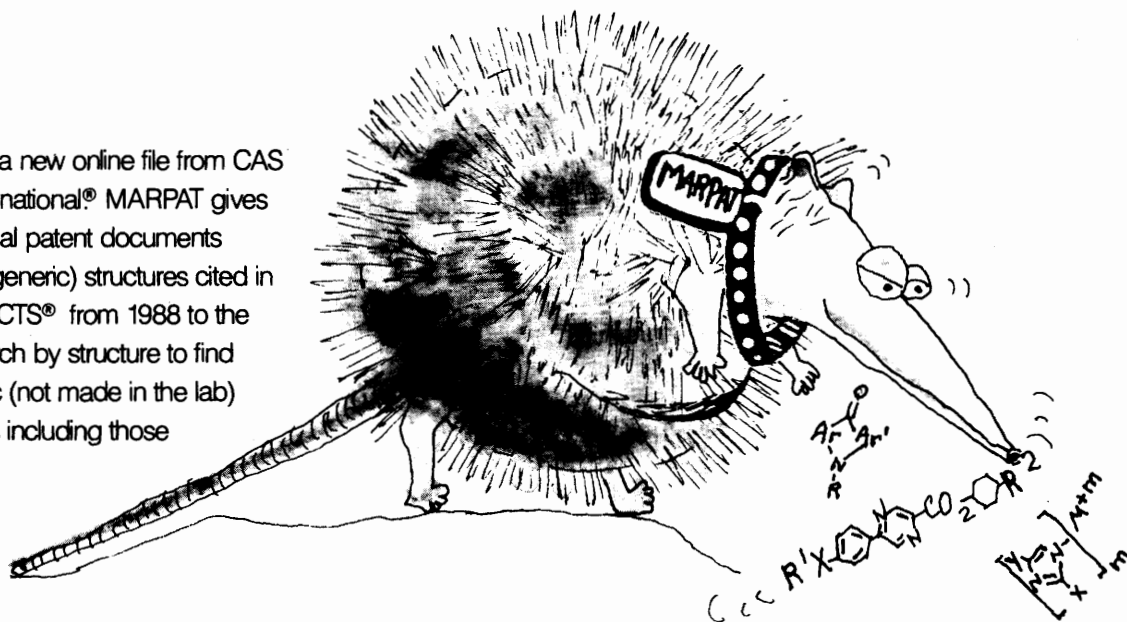


Information
Services

What is a MARPAT?

No, it is not a stout-bodied, short-legged marsupial with coarse fur, a long tail, and very small ears.

MARPATSM is a new online file from CAS available on STN International[®]. MARPAT gives you access to chemical patent documents containing Markush (generic) structures cited in CHEMICAL ABSTRACTS[®] from 1988 to the present. You can search by structure to find generic and prophetic (not made in the lab) substances---perhaps including those your competitors are working on!



Because MARPAT is on STN, you can search it in connection with the CAS REGISTRY File of almost 11,000,000 substances. A patent search in only REGISTRY may not be complete---MARPAT supplies the missing link. You'll find other files on STN important for patent searching as well.

Use the same structure query in MARPAT as in other STN structure-searchable files like REGISTRY and BEILSTEIN. No need to rebuild the query each time you search, as you must with some online systems.

For comprehensive structure searching and retrieval. . . use MARPAT.

For a limited time, you can receive a poster of the MARPAT "critter." Respond now!

Yes! Please send me information about MARPAT, the new CAS file of chemical patents with Markush structures on STN International, and a MARPAT poster---FREE!

PC 92

Name _____

Title _____

Organization _____

Address _____

Telephone _____

**Enquirers from Eire or UK,
please return to:**

**Royal Society of Chemistry
Thomas Graham House
Science Park
Milton Road
Cambridge CB4 4WF
United Kingdom**

STN Help Desk (0223) 420237

STN International is operated in Europe by FIZ Karlsruhe; in Japan, by JICST (the Japan Information Center of Science and Technology); and in North America, by CAS, a division of the American Chemical Society.

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.

