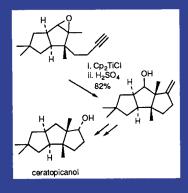
Pages 1-92 ISSN 1350-4894

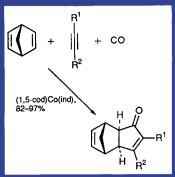
## CONTINUPORARY OLGANIC SYNTHISTS



Stoichiometric applications of organotransition metal complexes in organic synthesis

1

By Timothy J. Donohoe

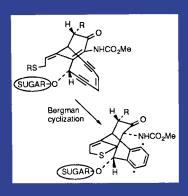


Saturated and partially unsaturated carbocycles

19

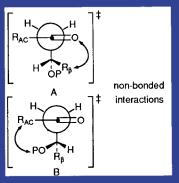
41

By Christopher D. J. Boden and Gerald Pattenden



The enediyne and dienediyne based antitumour antibiotics. Methodology and strategies for total synthesis and construction of bioactive analogues. Part 1

By Hervé Lhermitte and David S. Grierson



Alcohols, ethers and phenols

65

By C. S. Hau, Ashley N. Jarvis and Joseph B. Sweeney



## Contemporary Organic Synthesis

## **Editorial Board**

Professor G. Pattenden, FRS (Chairman), University of Nottingham

Professor P. D. Bailey, Heriot-Watt University

Dr S. E. Gibson (neé Thomas), Imperial College of Science, Technology, and Medicine

Professor P. J. Kocienski, University of Southampton

Professor C. J. Moody, Loughborough University of Technology

Professor E. J. Thomas, University of Manchester

## **International Advisory Board**

Professor E. J. Corey, Harvard University

Professor S. Hanessian, Université de Montréal

Professor M. Julia, Université de Paris XI (Paris-Sud)

Professor P. D. Magnus, University of Texas at Austin

Professor G. Mehta, University of Hyderabad

Professor K. C. Nicolaou, The Scripps Research Institute and University of

California at San Diego, La Jolla

Professor R. Noyori, Nagoya University

Professor L. E. Overman, University of California, Irvine

Professor L. F. Tietze, University of Göttingen

Contemporary Organic Synthesis is a bimonthly journal which aims to review and provide perspective in all aspects of methodology, selectivity and efficiency in contemporary synthesis. As well as covering all the principles and methods in functional group chemistry and interconversions, organometallic chemistry and asymmetric synthesis will feature prominently; so too will modern aspects of strategy and computer aided design, biotransformations and protecting group protocols. Special methods and techniques, such as sonochemistry, FVP, electroorganic synthesis and supported catalysis will be included as occasional articles, and the manner in which synthesis addresses problems and provides solutions in biology, medicine, agriculture, the environment and new materials, will also be encompassed. Contemporary Organic Synthesis aims to be proactive, drawing attention to new opportunities and new directions, providing timely information to the synthetic chemist who needs to keep abreast of developments in the field.

Although the majority of articles are intended to be specially commissioned, the Society is always prepared to consider offers of articles for publication. In such cases a short synopsis, rather than the completed article, should be submitted to Dr S. R. Buxton, Managing Editor, Organic Publications, The Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, UK.

Members of The Royal Society of Chemistry may subscribe to *Contemporary Organic Synthesis* by placing their orders on the Annual Subscription renewal forms in the usual way.

All other orders accompanied with payment should be sent directly to The Royal Society of Chemistry, The Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, England. 1996 subscription rates: EEA £185, USA \$350, Canada £190 (plus GST), Rest of the World £190. *Contemporary Organic Synthesis* is published 6 times a year in February, April, June, August, October and December. Airfreight and mailing in the USA by Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel, New Jersey, NJ 07001, USA and at additional mailing offices. Second class postage is paid at Rahway, NJ. USA Postmaster: Send address changes to *Contemporary Organic Synthesis*, c/o Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel, New Jersey 07001. All other dispatches outside the UK are by Bulk Airmail within Europe and Accelerated Surface Post outside Europe.

© The Royal Society of Chemistry, 1996

All rights reserved

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photographic, recording or otherwise, without the prior permission of the publishers.

Typeset in Great Britain by Unicus Graphics Ltd Printed in Great Britain by Whitstable Litho Ltd