

Journal of Chemical Research, Issue 7, 1995

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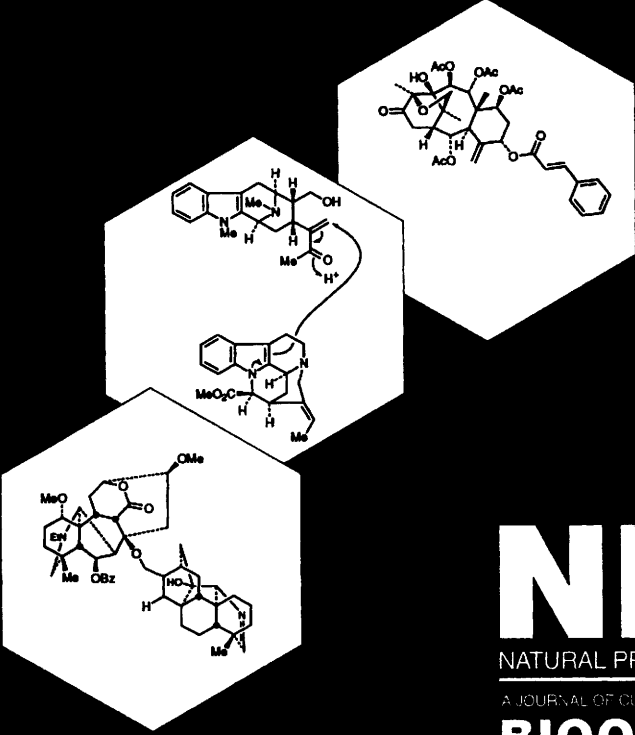
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Articles that will appear in forthcoming issues include

The Biosynthesis of Plant Alkaloids and Nitrogenous Microbial Metabolites **R B Herbert**

Quinoline, Quinazoline, and Acridone Alkaloids **J P Michael**

Coumarins **R D H Murray**

The Biosynthesis of C₅-C₂₀ Terpenoid Compounds **P M Dewick**

Indolizidine and Quinolizidine Alkaloids **J P Michael**

Nucleic Acids and Combinatorial Chemistry in Drug Discovery

September 9, (1 pm-6 pm) and September 10, (10 am-3 pm), 1995
The H. C. Ørsted Institute, Universitetsparken 5,
DK-2100 Copenhagen Ø, Denmark.

Speakers:

Thomas Horn, Ph.D (Chiron INC., USA)	Modified Oligonucleotides
Brian Sproat, Ph.D (Ribonetics GMBH, Germany)	RNA Cleaving Molecules
Michael Egholm, Ph.D (PerSeptive Biosystems, USA)	PNA (Peptide Nucleic Acids)
Jesper Wengel, Ph.D (University of Odense, Denmark)	Antisense Compounds: Modified Oligonucleotides
Richard Houghten, Ph.D (Houghten Pharmaceuticals INC., USA)	Combinatorial Chemistry in Drug Discovery
John Nielsen, Ph.D (The Technical University of Denmark)	Small Molecule Libraries
Morten Meldal, Ph.D (The Carlsberg Laboratory, Denmark)	Peptide Libraries for Enzymatic Reactions
Michael Famulok, Ph.D (University of Munich, Germany)	DNA and RNA Libraries

The emphasis of this symposium is to provide an informal atmosphere for discussion. There will be a dinner on the evening of Saturday, 9th September and an opportunity to see some of Copenhagen.

To register, please contact Ms. Birgitte Hyrup, The H. C. Ørsted Institute, Kemisk Lab. II, Universitetsparken 5, DK-2100 Copenhagen Ø, Denmark.

Ph (+45) 35 32 01 56, Fax (+45) 35 32 02 12, E-mail Hyrup@kiku.dk.

Deadline for registration: September 1, 1995. For hotel registration: August 1, 1995.

Registration is free. Cost of dinner (incl. wine) dkr. 300.

General inquiries: Dr. Glenn Tong, Institute of Organic Chemistry, Building 201, Technical University of Denmark, DK-2800 Lyngby, Denmark.

Ph (+45) 45 25 21 43, Fax (+45) 45 93 39 68, E-mail okgt@kbar.dtu.dk.

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SYMPOSIUM PROGRAMME

SESSION 1 – 28 September 1995

Professor R Grigg (*University of Leeds*)

Chiral cascade 1,3-dipolar cycloaddition reactions

Dr Michael J Nicholds (*Zeneca Fine Chemicals*)

Microbial production systems and their application to optically active intermediates

Dr Ian Gosney (*The University of Edinburgh*)

Delving in the chiral pool to produce new and recyclable chiral auxiliaries for use in asymmetric transformations

Dr T Früh (*Ciba-Geigy Ltd*)

Asymmetric synthesis in pesticide research: Approaches to optically pure α,β -epoxyketones

SESSION 2 – 28 September 1995

Dr Gary N Sheldrake (*The Queen's University of Belfast*)

Enantioselective bacterial biotransformation routes to optically active *cis*-diols and sulfoxides

Dr Ashley R Bowen (*Celgene Corporation*)

Enzyme-tailoring for the production of chiral intermediates

Dr Alexey Margolin (*Altus Biologics Inc*)

Cross-linked enzyme crystals: New catalysts for chiral resolutions

Dr Beat Wirz (*F. Hoffmann-La Roche Ltd*)

Enzyme reactions in process research – the importance of parameter optimization and workup

Dr G K Robinson (*University of Kent*)

The use of biocatalysts for the synthesis of chiral products from nitriles and cyclic ketones

Dr David R Dodds (*Schering-Plough Research Institute*)

Screening and use of enzymes for synthetic application in the pharmaceutical industry

SESSION 3 – 29 September 1995

Dr John Brown (*The Dyson Perrins Laboratory, University of Oxford*)

Heterotopic ligands in asymmetric catalysts

Dr Junzo Hasegawa and **Dr Takehisa Ohashi** (*Kaneka Corporation (Japan)*)

New preparative methods for chiral synthons (Part III)

Professor F Effenberger (*Stuttgart University*)

Chiral cyanohydrins, highly interesting educts for stereoselective synthesis of biologically active compounds

Dr John S Ng (*G D Searle*)

A practical synthesis of an HIV protease inhibitor intermediate – diastereoselective epoxide formation from chiral α -aminoaldehydes

Professor Jan A M de Bont (*Wageningen Agricultural University*)

Biocatalytic routes to optically pure epoxides: Enantioselective biodegradation

Dr Andrew W Lloyd (*Department of Pharmacy, University of Brighton*)

Microbial chiral inversion of 2-arylpropionic acids

SESSION 4 – 29 September 1995

Professor Jörgen Hermansson (*ChromTech AB/University of Uppsala*)

Immobilized α_1 -acid glycoprotein and cellobiohydrolase as chiral selectors. Basic characteristics and new unique modifier effects

Dr Ernst Küsters (*Sandoz Pharma Ltd*)

Preparative chromatographic separation of enantiomers on a pilot plant scale – method development and techniques

Dr J N Kinkel (*E Merck*)

Simulated moving bed chromatography – An efficient method for performing large scale separation of optical isomers?

Professor E L Cussler (*University of Minnesota*)

Bioseparations, especially of chiral compounds

Kozo Tachibana (*Chiral Technologies Inc/Daicel Chemical Industries Ltd*)

New applications of polysaccharide type chiral stationary phases

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