

## Journal of Chemical Research, Issue 8, 1985

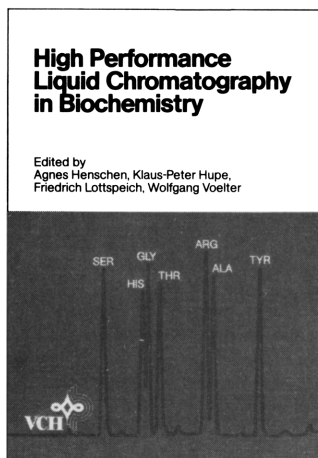
Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research (S)*, Issue 8, is reproduced below.

- 237 Reactions of Oxime Dianions with Electrophiles: an Attempt to use Aldoximes as Acyl Anion Equivalents and the Synthesis of 2,5-Disubstituted Furans **David J. Ager**  
(M 2748)
- 238 Thermolysis of Alkyl 2-Azidopenta-2,4-dienoates **Christopher J. Moody, Charles W. Rees, J. Augusto R. Rodrigues, and Siu Chung Tsoi**  
(M 2801)
- 240 Nucleoside Analogues. Part 3. Anticancer Agents combining 5-Fluorouracil and *p*-(3,3-Dimethyl-1-triazeno)phenyl Residues **Neil M. Lucey and R. Stanley McElhinney**  
(M 2713)
- 242 Total Synthesis of Methyl 8-Methoxy-2,2-dimethyl-7-oxo-1,2,3,5,6,7-hexahydro-*s*-indacene-4-carboxylate: a Key Intermediate for the Synthesis of Illudinine **Anuradha Ghosh and Phanindra Chandra Dutta**  
(M 2724)
- 244 Reaction of Dimedone Enamines with  $\alpha$ -Ketoacids **Narayanaier Viswanathan, Ninad Namdeo Rawle, and Dilip Harischandra Gawad**  
(M 2760)
- 246 Nitriles in Heterocyclic Synthesis: Synthesis of 2-Substituted 4-Phenylthiazoles from Phenacyl Thiocyanate **Fathy M. Abdelrazek, Hoda Z. Shams, Ayman W. Erian, and Mohamed H. Einagdi**  
(M 2774)
- 248 Bisbenzylisoquinoline *N*-Oxides from *Curarea candicans* **Marie Lavault, Alain Fournet, H el ene Guinaudeau, and Jean Bruneton**  
(M 2786)
- 250 Preparation, Characterisation, and Breakdown Products of Two Nitrosation Products of Ranitidine **Trevor J. Cholerton, John Clitherow, John H. Hunt, John W. M. Mackinnon, Michael Martin-Smith, Barry J. Price, Judith Murray-Rust, and Peter Murray-Rust**  
(M 2818)
- 252 1,3-Diarylcyclopropenes: Syntheses and a Facile Ene Dimerisation **Koichi Komatsu, Tadashi Niwa, Hideaki Akari, and Kunio Okamoto**  
(M 2847)
- 254 Degradation of Adriamycin in Aqueous Sodium Hydroxide: Formation of a Ring-A Oxabicyclononone **Ziad Abdeen, J. Malcolm Bruce, Patricia M. Guyan, Edward J. Land, Tulsı Mukherjee, and A. John Swallow**  
(M 2882)
- 256 Radical Cations of Di-, Tri-, and Tetra-bromomethane formed by Radiolysis: an Electron Spin Resonance Study **Martyn C. R. Symons**  
(—)
- 258 A Simple Route to Benzofuran-2(3*H*)-ones **Oreste Piccolo, Lucio Filippini, Laura Tinucci, Ermanno Valoti, and Attilio Citterio**  
(—)
- 260 Boron Trifluoride-catalysed Addition of Carboxylic Acids to Dimethylketene in Diethyl Ether Solution **Nai L. Poon and Derek P. N. Satchell**  
(—)
- 262 Some Reactions of Bridgehead Nitrogen Pyridinium Cations with Nucleophilic Reagents **Pedro Molina, Mateo Alajarin, and Maria Jesus Vilaplana**  
(—)
- 264 Oxidizing Properties of Betaines and Quaternary Ammonium Chlorometallates  
(—) **Thierry Brunelet and Georges Gelbard**
- 266 Chiral Alcohols *via* Asymmetric Oxymercuration–Demercuration of Alkenes **Jose Barluenga, Jose M. Martinez-Gallo, Carmen Najera, and Miguel Yus**  
(—)
- 268 Total Synthesis of (–)-Jolkinolide E, the Enantiomer of the Natural Substance **Tatsuhiko Nakano, and Mar a Aracelis Maillo**  
(—)
- 270 Synthesis and Spectroscopic Characterization of Some  $\gamma$ -Mercaptoalkylpiperidines **Heribert Barrera, Joan Sola, and Josep M. Vinas**  
(—)
- 272 Direct Synthesis of Various Dithioesters from Carboxylic Acids  
(M 2701) **Hubert Davy and Patrick Metzner**

*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*.

# High-Performance Liquid Chromatography in Biochemistry

edited by **A. Henschen, K.-P. Hupe, F. Lottspeich and W. Voelter**



1985 XIII, 638 pages DM 198.-/£67.00

ISBN 3-527-26057-9

It is hard to imagine what it would mean to research in biochemistry if chromatography were not available as an analytical tool.

Liquid chromatography, in all its modes, has become particularly indispensable. Above all, the high performance version of liquid chromatography (HPLC) has brought completely new dimensions to the analytical work of biochemistry and all other areas of chemistry. Separation efficiency, speed of analysis and level of detection have been improved by at least one order of magnitude over the last ten years. The method can now be carried out on a microscale with a high degree of reliability and reproducibility. This has initiated use of HPLC by an ever increasing number of biochemists, a trend which is likely to continue. The time therefore seems right for a self-contained appraisal of the technique, with special regard to its application in biochemistry.

This book gives an introduction to the theoretical and instrumental principles of HPLC, followed by a detailed treatment of its application to the various groups of compounds of biochemical interest.

The VCH logo consists of the letters 'VCH' in a bold, serif font, positioned to the left of a stylized, decorative graphic element that resembles a four-pointed star or a stylized 'V' shape.

To obtain this book please contact:

**The Royal Society of Chemistry, Blackhorse Road, Letchworth SG6 1HN. Phone (04626) 72555**

Customers outside the UK and Eire please contact:

**VCH Verlagsgesellschaft, P.O. Box 1260/1280, D-6940 Weinheim, Federal Republic of Germany**