## **JOURNAL**

OF

## THE CHEMICAL SOCIETY

## PERKIN TRANSACTIONS I Organic and Bio-organic Chemistry

## **CONTENTS**

Carbon-13 nuclear magnetic resonance spectroscopy of 1-tetralols and chroman-4-ols By Yasuhisa Senda, Jun-ichi Ishiyama, Shin Imaizumi, and Kaoru Hanaya	217
The trans, anti, trans- and trans, syn, trans-isomers of dicyclohexyl-18-crown-6 and their complexes By Ian J. Burden, Andrew C. Coxon, J. Fraser Stoddart, and Colin M. Wheatley	220
Reactions of alkenes with electrophilic iodine in tetramethylene sulphone-chloroform By Richard C. Cambie, Wendy I. Noall, Graeme J. Potter, Peter S. Rutledge, and Paul D. Woodgate	226
Reactions of silver(I) acetate-iodine and thallium(I) acetate-iodine with substituted cyclopropanes  By Peter H. Atkinson, Richard C. Cambie, Graham Dixon, Wendy I. Noall, Peter S. Rutledge, and  Paul D. Woodgate.	230
Photorearrangements of phenyloxazoles By Minoru Maeda and Masaharu Kojima	239
Reactions of 2,2-dimethyl-1,1-diphenylpropan-1-ol with acidic reagents: a reinvestigation of the dehydration products and isolation of a sulphonation product  By (Mrs.) Heather Scott and Roy Shilton	247
Chemical transformations of the diterpene lactones momilactones A and B By Tadahiro Kato, Hiroyasu Aizawa, Mitsuaki Tsunakawa, Nobuki Sasaki, (the late) Yoshio Kitahara, and Norindo Takahashi	250
Dynamic stereochemistry of imines and derivatives. Part 11. Synthesis and stereochemistry of (E)- and (Z)-nitrones By Johannes Bjørgo, Derek R. Boyd, David C. Neill, and W. Brian Jennings	254
Microbiological hydroxylation. Part 22. Preparation of some bicyclic substrates containing 15—16 carbon atoms	250
Microbiological hydroxylation. Part 23. Bicyclic substrates for steroid-hydroxylating fungi	259
By A. Sydney Bailey, Martin L. Gilpin, and (Sir) Ewart R. H. Jones	<ul><li>265</li><li>270</li></ul>
Apicophilicity of the ethylthio-group in trigonal bipyramidal phosphoranes	273
Synthesis of phosphoranes by using N-chlorodi-isopropylamine By Stephen Antczak, Stephen A. Bone, John Brierley, and Stuart Trippett	278
Kinetics and product orientation in oxidation of aldehyde 2,4-disubstituted phenylhydrazones by lead tetra-acetate; hydrazone azo tautomers  By Richard N. Butler and William B. King	282
by Richard II. Builder and William D. Ring	<i>4</i> 82

ii Contents

Elimination and addition reactions. Part 28. Nucleophilic addition-displacement reactions with allenic sulphonium salts  By Brian S. Ellis, Gwerydd Griffiths, Peter D. Howes, Charles J. M. Stirling, and Brian R. Fishwick	PAGE
by Brian 5. Ellis, Gwerydd Griffiths, Feter D. Howes, Charles J. M. Stirling, and Brian R. Fishwick	286
Synthesis of oligopeptides having alternative L-leucyl and L-methionyl residues  Ву Ryoichi Катакаї and Yohko Nакачама	292
Pseudomonic acid. Part 1. The structure of pseudomonic acid A, a novel antibiotic produced by <i>Pseudomonas fluorescens</i>	
By (Sir) Ernst B. Chain and Graham Mellows	294
Pseudomonic acid. Part 2. Biosynthesis of pseudomonic acid A By Timothy C. Feline, Robert B. Jones, Graham Mellows, and Lawrence Phillips	309
Pseudomonic acid. Part 3. Structure of pseudomonic acid B By (Sir) Ernst B. Chain and Graham Mellows	318
Structures of three new diterpenoids from Ballota species By Giuseppe Savona, Franco Piozzi, James R. Hanson, and Michael Siverns	322
Studies in terpenoid biosynthesis. Part 19. Formation of pimara-8(9),15-diene by Trichothecium roseum By Brian Dockerill and James R. Hanson.	324
N-Oxides and related compounds. Part 55. 1-Pyridinio-4-pyridone cations and 1-pyridiniopyridinium dications: preparation and reactions	
By Michael P. Sammes, Ho King Wah, and Alan R. Katritzky	327
Pyrroles and related compounds. Part 38. Porphobilinogen synthesis By George W. Kenner, John Rimmer, Kevin M. Smith, and John F. Unsworth	332