PAGE

JOURNAL OF THE CHEMICAL SOCIETY

PERKIN TRANSACTIONS I Organic and Bio-organic Chemistry

CONTENTS

Fusicoccin. Part IV. The structure of fusicoccin J By Kevin D. Barrow, Derek H. R. Barton, (Sir) Ernst Chain, Desire Bageenda-Kasujja, and Graham Mellows	877
Studies related to penicillins. Part XVI. Preparation of methyl 2-{(15,5R)-3-benzyl-7-oxo-4-oxa-2,6-diaza- bicyclo[3.2.0]hept-2-en-6-yl}-3-methylbut-2-enoate By RICHARD J. STOODLEY and NIGEL S. WATSON	883
An approach to the synthesis of (3R)- and (3S)-2,3-epoxysqualene By MOHAMED A. ABDALLAH and JAYANT N. SHAH	888
Reaction of an asymmetric imidazolinium compound with nucleophiles By Isabel Perillo and Samuel Lamdan	894
Synthesis of (\pm) -presqualene alcohol, (\pm) -prephytoene alcohol, and structurally related compounds By RODWILL V. M. CAMPBELL, LESLIE CROMBIE, DAVID A. R. FINDLEY, RICHARD W. KING, GERALD PATTEN- DEN, and DONALD A. WHITING .	897
Carbon-13 magnetic resonance spectra. Synthetic presqualene esters, related cyclopropanes, and isoprenoids By LESLIE CROMBIE, RICHARD W. KING, and DONALD A. WHITING	913
D-Homo-steroids. Part IV. Acetolysis of D-homo-5α-androstan-17aβ-yl tosylate: a novel rearrangement involving the steroid backbone By ISMAIL KHATTAK, DAVID N. KIRK, CATHERINE M. PEACH, and MALCOLM A. WILSON	916
Reactions of heterocycles with thiophosgene. Part IV. β,4-Dichloro-2-isothiocyanatocinnamaldehyde, a product from 4,7-dichloroquinoline By Roy Hull, (MRS) PATRICIA J. VAN DEN BROEK, and MICHAEL L. SWAIN	922
A new synthesis of 1,4-dihydropyridines By Tomy Chennat and Ulli Eisner	926
Reduction of 3,5-disubstituted pyridines to dihydropyridines By Evans Booker and ULLI EISNER	929
Methyl transfer: the mass spectra of reserpine derivatives By Tetsuji Kametani, Yasuo Fujimoto, Yoshio Suzuki, Yoshiro Tanaka, Kiyosato Nyu, Tohru Yamanaka, and Shigeo Ikeda.	932
The synthesis of oligoribonucleotides. Part XI. Preparation of ribonucleoside 2'-acetal 3'-esters by selective deacylation By Colin B. Reese, J. Charles M. Stewart, Jacques H. van Boom, Harry P. M. De Leeuw, Joek Nagel, and Jan F. M. De Rooy	934
Demethoxyviridin and demethoxyviridiol: new fungal metabolites By David C. Aldridge, W. Brian Turner, Alexander J. Geddes, and Bernard Sheldrick	943

ii Cont	tents
Identification of three new pterocarpans (6a,11a-dihydro-6H-benzofuro[3,2-c][1]benzopyrans) from Pisum sativum infected with Fusarium solani f. sp. pisi By STEVEN G. PUEPPKE and HANS D. VANETTEN	раде 946
Remote anodic oxidation of carboxylic acids in fluorosulphuric acid: a synthesis of lactones and unsaturated cyclic ketones By DEREK PLETCHER and CARMEN Z. SMITH	948
Electrochemical preparation of bismethylsulphonyl peroxide and its reactions with aromatic hydrocarbons By Christopher J. Myall and Derek Pletcher	953
Medicinal nitro-compounds. Part II. Search for <i>ortho</i> -interactions in tumour-inhibitory 2,4-dinitrophenyl- aziridines By GRAHAM A. M. BUTCHART, MALCOLM F. G. STEVENS, and BRIAN C. GUNN	956
Reaction of trifluoroacetic acid with chlorodiphenylphosphine By DAVID J. H. SMITH and STUERT TRIPPETT.	963
A simple synthesis of anthracenes By IAN FLEMING and TALAT MAH.	964
Organosilicon chemistry. Part XIV. Insertion of 1,2,2-trifluoroethylidene into C-H bonds of tetra-alkyl- silanes: a novel alkyl group rearrangement By ROBERT N. HASZELDINE, ANTHONY E. TIPPING, and RICHARD O'B. WATTS	966
Electro-organic reactions. Part IV. Preparative aspects of the cathodic hydrogenation of activated carbon- carbon double bonds By L. ALBERTO AVACA and JAMES H. P. UTLEY	971
6-Substituted s-triazolo[4,3-b]-s-tetrazine-3-thiols: a sensitive and specific test for aldehydes	971
By RONALD G. DICKINSON and NOEL W. JACOBSEN.	975
Syntheses of derivatives of 2,6-diamino-2,3,4,6-tetradeoxy-D- <i>erythro</i> -hexose (purpurosamine C), a component of gentamycin C _{1a} By JOHN S. BRIMACOMBE, IBRAHIM DA'ABOUL, and LESLIE C. N. TUCKER	979
	0.0