

JOURNAL
OF
THE CHEMICAL SOCIETY

PERKIN TRANSACTIONS I
Organic and Bio-organic Chemistry

CONTENTS

	PAGE
Sodium chromate oxidation of enol benzoates. Allylic oxidation <i>versus</i> a novel rearrangement By AMIRAM GOLDBLUM and RAPHAEL MECHOULAM	1889
Reactions of carbonyl compounds with tervalent phosphorus reagents. Part 8. Acetyldiphenylphosphine oxide By J. ALLEN MILLER and DENIS STEWART	1898
Reactions of 1,2-diaminobenzene with 1,3-diketones By SIEGFRIED E. DREWES and URSULA J. UPFOLD	1901
Formation and degradation of urea derivatives in the azide method of peptide synthesis. Part 1. The Curtius rearrangement and urea formation By KEN INOUE, KUNIO WATANABE, and MASARU SHIN	1905
Formation and degradation of urea derivatives in the azide method of peptide synthesis. Part 2. Acidolytic degradation of urea derivatives By KEN INOUE and KUNIO WATANABE	1911
Steroids. Part 20. Rearrangements of 5 α ,6 α -epoxy-10 β -ethenyl- and 10 β -ethenyl-5 α -hydroxy-steroids By BRIAN W. CUBBERLEY, IAN G. GUEST, J. GARETH LL. JONES, and BRIAN A. MARPLES	1916
Addition reactions of heterocyclic compounds. Part 66. The ¹³ C nuclear magnetic resonance spectra and structures of adducts from 2-alkylquinolines and other heterocycles possessing activated 2-substituents with dialkyl acetylenedicarboxylates By R. MORRIN ACHESON and GARRY PROCTER	1924
Generation and some reactions of phenylsulphonylcarbene By RUDOLPH A. ABRAMOVITCH, VAZKEN ALEXANIAN, and JOYTIRMOY ROY	1928
1,3-Dipolar characters of six-membered aromatic rings. Part 33. Transformations of cycloadducts derived from 3-oxido-1-triazinylpyridiniums By NICHOLAS DENNIS, ALAN R. KATRITZKY, GEBRAN J. SABOUNJI, and (in part) LEMI TURKER	1930
Transformations of penicillins: reactions of secopenicillanic acid derivatives with ethyl <i>N</i> -chloro- <i>N</i> -sodio- carbamate By DAVID H. BREMNER, MALCOLM M. CAMPBELL, and GRAHAM JOHNSON	1940
Transformations of penicillins: reactions of penam <i>S</i> -oxides with <i>N</i> -chloro- <i>N</i> -sodiocarbamates By DAVID H. BREMNER, MALCOLM M. CAMPBELL, and GRAHAM JOHNSON	1943
Terpenoids. Part 41. Reactions of <i>ent</i> -kaurenes and 13 β -kaurenes with thallium(III) nitrate in 1,2-dimeth- oxyethane and a mutual allylic rearrangement of the allylic nitrate products By EIICHI FUJITA and MASAHIITO OCHIAI	1948

	PAGE
Use of <i>NN'</i> -isopropylidene dipeptides in peptide synthesis By PAUL M. HARDY and DAVID J. SAMWORTH	1954
Oxidation of 1-aminopyridinium, 1-aminoquinolinium, and 2-aminoisoquinolinium bromides with lead(IV) acetate By JOHN T. BOYERS and EDWARD E. GLOVER	1960
Synthesis of the diastereoisomers of <i>S</i> -(2-carboxypropyl)-L-cysteine and their <i>S</i> -mono- and <i>SS</i> -di-oxides By JOHN F. CARSON	1964
Heterocyclic studies. Part 41. Disproportionation of acridinium compounds and mass spectra of some acridines By JIM CLARK and MEHDI BAKAVOLI	1966
1,3,2-Oxazaphospholidines from (–)-ephedrine. Intermediates for the stereospecific synthesis of optically active dialkyl alkylphosphono-thioates and -selenoates, trialkyl phosphoro-thioates and -selenoates, dialkyl methylphosphonates, and trialkyl phosphates By DAVID B. COOPER, C. RICHARD HALL, JOHN M. HARRISON, and THOMAS D. INCH	1969