

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 1

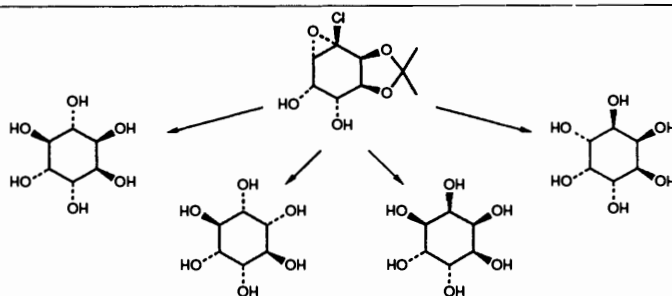
Organic and Bio-organic Chemistry

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Perkin Communications

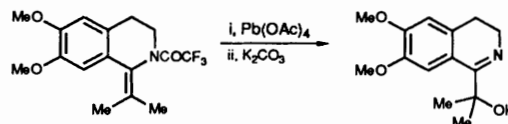
- 741 **General synthesis of inositols by hydrolysis of conduritol epoxides obtained biocatalytically from halogenobenzenes: (+)-D-*chiro*-inositol, *allo*-inositol, *muco*-inositol and *neo*-inositol**

Martin Mandel and Tomas Hudlicky



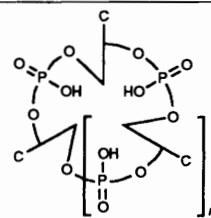
- 745 **Oxidative rearrangements of alkyl substituted isoquinoline enamides to 1-hydroxymethyl-dihydroisoquinoline derivatives**

George R. Lenz, Ralph A. Lessor, Patrice W. Rafalko and Zenyk Kosarych



- 747 **Facile preparation of cyclic oligoribonucleotides**

L. De Napoli, A. Galeone, L. Mayol, A. Messere, G. Piccialli and C. Santacroce

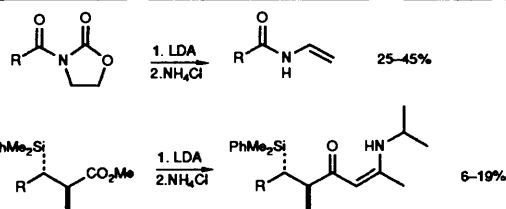


Cyclic oligoribonucleosides have been synthesized using a solid support c = cytosine $n = 0-6$

Articles

- 751 **Two unexpected but understandable reactions with lithium diisopropylamide (LDA)**

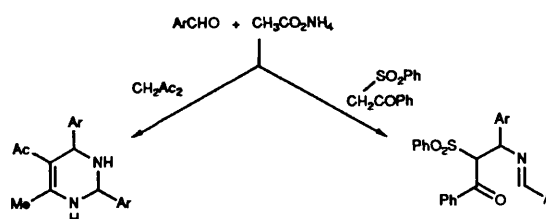
Sarah C. Archibald and Ian Fleming



Deprotonation of isoxazolidinones and esters with LDA gives some unexpected by-products

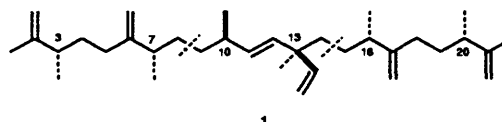
- 755 **The reaction of aldehydes and ammonium acetate with some acetyl and phenacyl derivatives: a correction**

Conor N. O'Callaghan and T. Brian H. McMurry



- 759 **Total synthesis of (–)-C₃₄-botryococcene, the principal triterpenoid hydrocarbon of the freshwater alga *Botryococcus braunii***

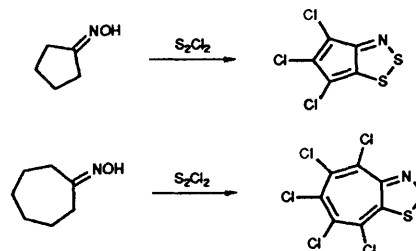
James D. White, G. Nagabushana Reddy and Gary O. Spessard



The title compound **1** has been synthesized by assembling three segments as indicated, confirming the previous assignment of absolute configuration

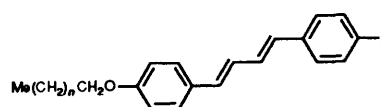
- 769 **Cyclopenta-1,2,3-dithiazoles and related compounds**

M. John Plater, Charles W. Rees, David G. Roe and Tomás Torroba



- 775 **Synthesis of new liquid crystalline compounds based on 1,4-diarylbuta-1,3-dienes**

Roger Brettle, David A. Dunmur, Nigel J. Hindley and Charles M. Marson

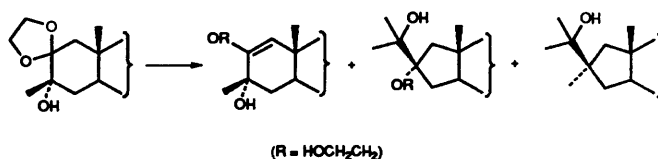


1 X = CN, F, Cl, Br or OCH₂(CH₂)₄Me

Mesogenic dienes **1** suitable for liquid crystal display devices have been prepared by a convergent olefination strategy

783 **Cleavage of steroidal α -hydroxy acetals with methylmagnesium iodide**

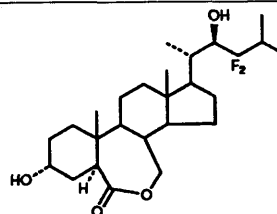
George A. Morrison and William J. W. Watson



The differing reaction courses followed by four isomeric steroidal hydroxy acetals gives rise to a range of products, some arising by skeletal rearrangement, *e.g.*

795 **2,2-Difluoro enol silyl ethers: convenient preparation and application to the synthesis of a novel fluorinated brassinosteroid**

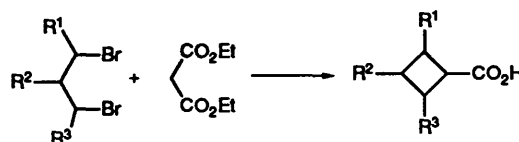
Fuqiang Jin, Yuanyao Xu and Weiyuan Huang



2,2-Difluoro enol silyl ethers were prepared *via* a convenient synthetic route and used in the synthesis of a novel fluorinated brassinosteroid

801 **General synthesis of methyl- and dimethyl-cyclobutanes from simple 1,3-diols by phase transfer catalysis**

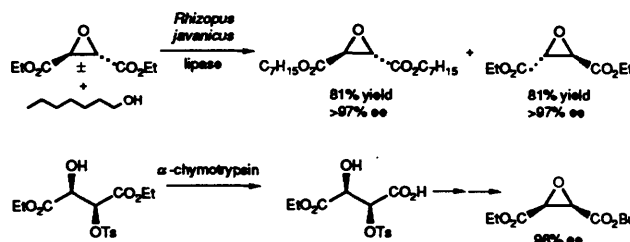
Béla Török and Árpád Molnár



One-pot ring closure and decarboxylation leading to cyclobutane derivatives under phase transfer conditions

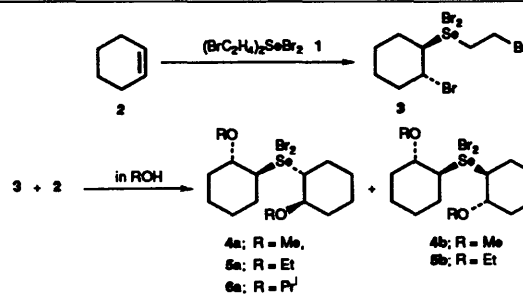
805 **Applications of biotransformations in organic synthesis: preparation of enantiomerically pure esters of *cis*- and *trans*-epoxysuccinic acid**

David H. G. Crout, Véronique S. B. Gaudet and Keith O. Hallinan



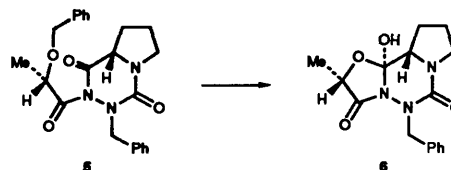
813 **Selenium transfer reagent: one-step alkoxyseleation of cyclohexene with bis(2-bromoethyl)selenium dibromide**

Yoshinori Takanohashi, Narumi Tabata, Tomoaki Tanase and Sadatoshi Akabori



819 **Approaches to pseudopeptidic ergopeptines. Synthesis and molecular structure of an α -aza-phenylalanine-containing oxa-cyclol**

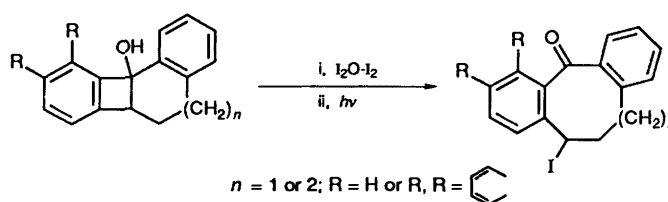
Francesco Pinnen, Grazia Luisi, Gino Lucente, Enrico Gavuzzo and Silvio Cerrini



α -Aza-phenylalanine containing oxa-cyclol **6** has been synthesized and its molecular structure has been determined by X-ray crystallographic analysis

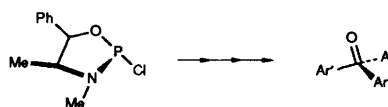
- 825 **Photoinduced molecular transformations. Part 138. A new route to dibenzo[*a,d*]cycloalkanes and their naphtho analogues via the ring expansion of benzocyclobutenols involving a selective β -scission of cyclobutenoxyl radicals generated by photolysis of their hypiodites**

Kazuhiro Kobayashi, Atsushi Konishi, Masahito Itoh and Hiroshi Suginome



- 831 **Preparation of enantiomerically pure phosphine oxides by nucleophilic displacement chemistry using oxazaphospholidines**

Joseph V. Carey, Michael D. Barker, John M. Brown and Michael J. H. Russell



- 841 **Disaccharides to inositol saccharides: synthesis of α -D-galactopyranosyl-D-*myo*-inositol derivatives from a methyl 4-O-(α -D-galactopyranosyl)- α -D-glucopyranoside derivative**

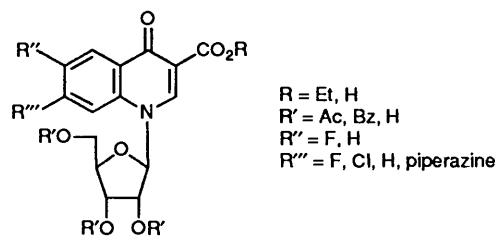
Hari Babu Mereyala and Sreenivasulu Guntha



The title synthesis is described

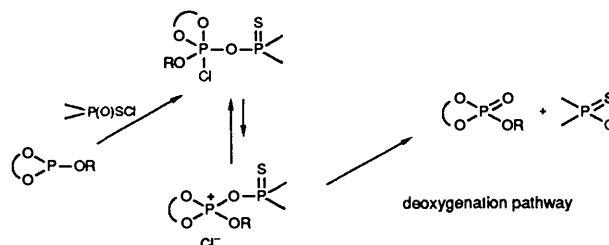
- 845 **Synthesis and biological evaluation of 4-quinolone ribosides**

Angeles de la Cruz, José Elguero, Pilar Goya, Ana Martinez and Erik De Clercq



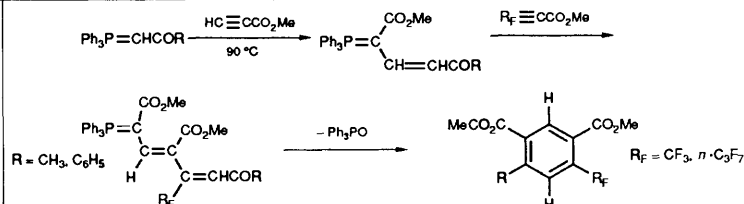
- 851 **Reactions of trico-ordinate phosphorus compounds with phosphorus pseudohalogen. Part 2. Pentaco-ordinate intermediates in the reaction of *o*-phenylene neopentyl phosphite with diethoxyoxophosphoranesulfonyl chloride**

Ewa Krawczyk, Aleksandra Skowrońska, Jan Michalski and, in part, Jerzy Mikołajczak



- 855 **Simple synthesis of dimethyl 4-methyl-6-perfluoroalkylisophthalates and dimethyl 5-perfluoroalkylbiphenyl-2,4-dicarboxylates via acyclic precursors**

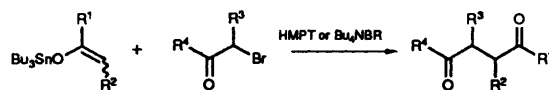
Ding Weiyu, Cao Weiguo, Xu Zhenrong, Yao Yuan, Shi Zhijian and Han Zhiheng



The title compounds were synthesized through a Wittig reaction *via* acyclic precursors

- 859 **Facile control of regioselectivity in the reaction of tin enolates with α -halogeno carbonyls by additives**

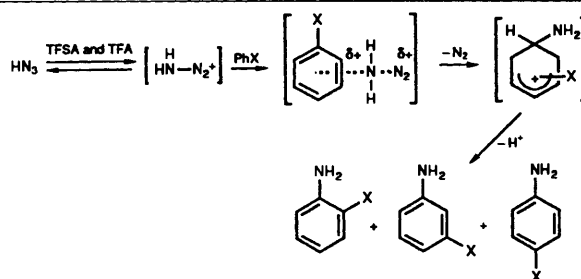
Makoto Yasuda, Tatsuhiro Oh-hata, Ikuya Shibata, Akio Baba and Haruo Matsuda



HMPT or Bu_4NBr effected the selective formation of 1,4-dicarbonyls *via* direct substitution while conventional catalysts gave oxiranes

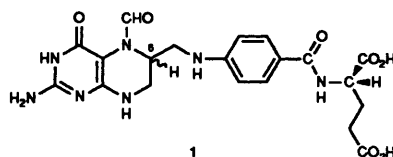
- 867 **Direct aromatic amination by azides: reactions of hydrazoic acid and butyl azides with aromatic compounds in the presence of both trifluoromethanesulfonic acid and trifluoroacetic acid**

Hiroshi Takeuchi, Taki Adachi, Hideaki Nishiguchi, Katsutaka Itou and Kikuhiko Koyama



- 871 **The preparation of the (6*R*)- and (6*S*)-diastereoisomers of 5-formyltetrahydrofolate (leucovorin)**

Jonathan Owens, Liliias Rees, Colin J. Suckling and Hamish C. S. Wood



The preparation of (6*R*)- and (6*S*)-leucovorin **1** from (6*RS*)-tetrahydrofolate using chiral auxiliary reagents is described

Corrigendum

- 877 **An intramolecular Diels–Alder approach to phorbols: introduction of an oxygenated diene using a palladium catalysed coupling** Philip C. Bulman Page and David C. Jennens

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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.