

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 1

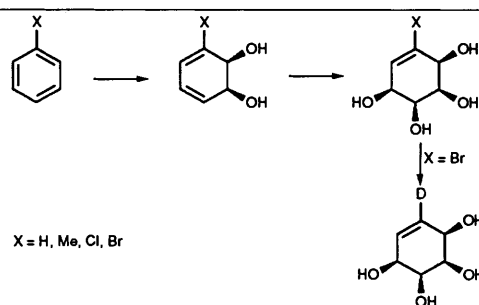
Organic and Bio-organic Chemistry

CONTENTS

Perkin Communications

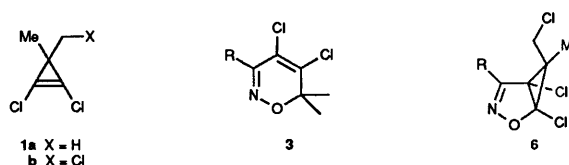
2505 Syntheses of conduritol D derivatives from aromatic compounds

Howard A. J. Carless, Kofi Busia, Yvonne Dove and Shahnaz S. Malik



2507 Unusual chemo- and stereo-selectivities in the reactions of 1,2-dichlorocyclopropenes with nitrile oxides

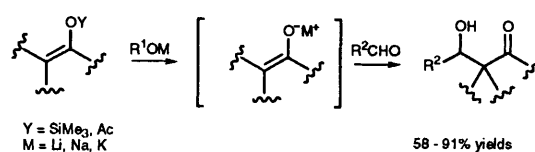
Mark S. Baird, Xiaoming Li, Juma'a R. Al Dulayymi, Alexander I. Kurdjukov and Valery A. Pavlov



Compound 1a reacts with a number of nitrile oxides to give 3, whereas 1b gives 6

2509 Unprecedented route to enolates from silyl enol ethers and enol acetates: reaction with hard and soft electrophiles

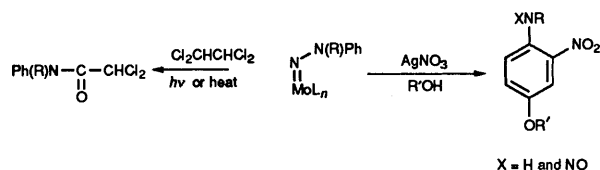
Pierre Duhamel, Dominique Cahard and Jean-Marie Poirier

With a silyl dienol ether a catalytic amount of potassium *tert*-butoxide can be used

Articles

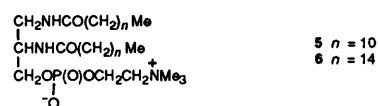
- 2513 Investigation of the potential of molybdenum(VI) hydrazido(2-) complexes as sources of nitrenium ions: cleavage of the N-N bond and incorporation of the β -nitrogen group into solvent molecules

Marc M. Baum and Edward H. Smith



- 2521 Diamide analogues of phosphatidyl choline as potential anti-AIDS agents

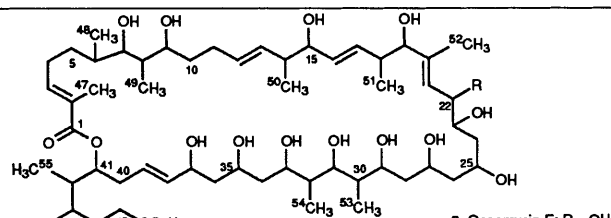
Chunhua Jia and Alan H. Haines



Analogues of phosphatidyl choline, **5** and **6**, containing amide groups instead of the usual ester functionality have been prepared in racemic form and **5** was found to possess moderate anti-HIV activity

- 2525 Biosynthetic relationships in the desertomycin family

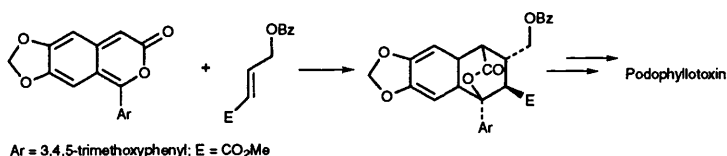
Marion Mayer and Ralf Thiericke



A complete picture of the biosynthetic relationships of the desertomycin family, and the structures of oasomycin E and F are presented

- 2533 Synthesis of podophyllum lignans *via* an isolable *o*-quinonoid pyrone

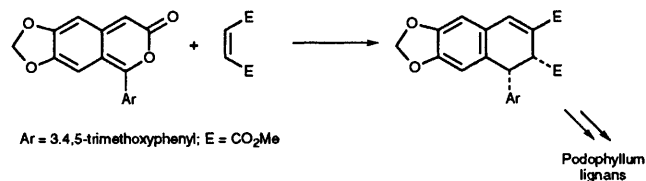
David W. Jones and Adrian M. Thompson



The adduct is converted into lignans a key step being direct lactonisation of, for example, methyl podophyllate to podophyllotoxin with ZnCl₂/molecular sieves in THF

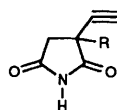
- 2541 Synthesis of (\pm)-4-deoxypodophyllotoxin, (\pm)-podophyllotoxin and (\pm)-epipodophyllotoxin

David W. Jones and Adrian M. Thompson



2549 **Synthesis of 3-octyl-, 3-cyclohexylmethyl- and 3-carboxyl-3-(prop-2-ynyl)pyrrolidine-2,5-diones required as potential aromatase inhibitors**

Lawrence W. L. Woo, H. John Smith, Kevin J. Barrell and Paul J. Nicholls

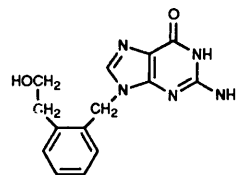


R = C₈H₁₇
R = C₆H₁₁CH₂
R = CO₂H

Synthesis of 3-substituted-3-(prop-2-ynyl)pyrrolidine-2,5-diones required as potential aromatase inhibitors

2555 **Purines, pyrimidines and imidazoles. Part 67. Some N-substituted o-(2-hydroxyethyl)benzyl-purines, -pyrimidines and -imidazoles as aromatic acyclonucleoside analogues**

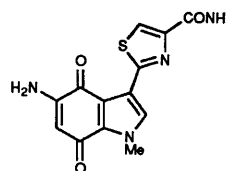
Demetrios C. Agathocleous and Gordon Shaw



Synthesis of imidazole, pyrimidine and purine nucleoside analogues

2561 **Synthesis of the naturally occurring indolequinone BE 10988, an inhibitor of topoisomerase II**

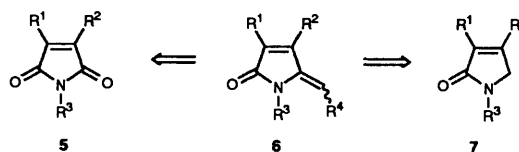
Christopher J. Moody and Elizabeth Swann



A total synthesis of the topoisomerase II inhibitor BE 10988 is described

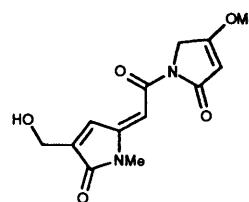
2567 **The synthesis of 5-ylidenepyrrrol-2(5H)-ones from maleimides and pyrrol-2(5H)-ones**

G. Bryon Gill, Gwyn D. James, Karen V. Oates and Gerald Pattenden



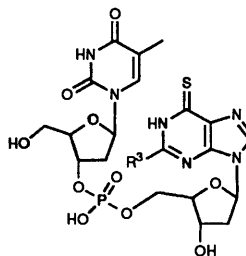
2581 **Total synthesis of pukeleimide A, a 5-ylidenepyrrrol-2(5H)-one from blue green algae**

Gwyn D. James, Stuart D. Mills and Gerald Pattenden



2585 **Synthesis of deoxydinucleoside phosphates containing 6-thio-substituted purine nucleobases**

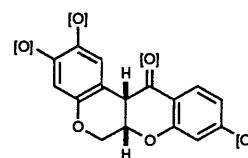
Pascale Clivio, Jean-Louis Fourrey and Alain Favre



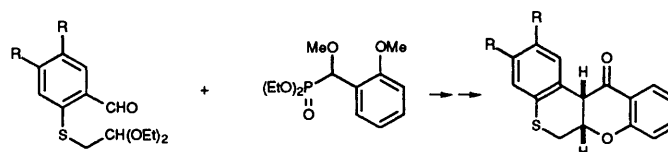
An efficient method of preparing the title phosphates is described

2591 **Synthetic modulation of the peripheral 2-, 3-, 9- and 12-oxygenation pattern of rotenoids**

Leslie Crombie and Jonathan L. Josephs

Synthesis of systematically deoxygenated rotenoids, the *Boerhavia* parent, and a new acetylenic heterocyclisation2599 **Rotenoid synthesis by Wadsworth–Emmons coupling and Mukaiyama cyclisation: application to 5-thiorotenoids**

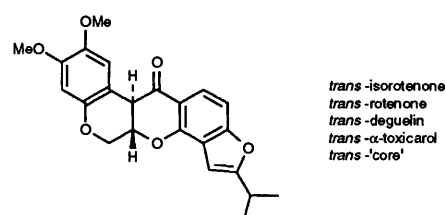
Leslie Crombie and Jonathan L. Josephs



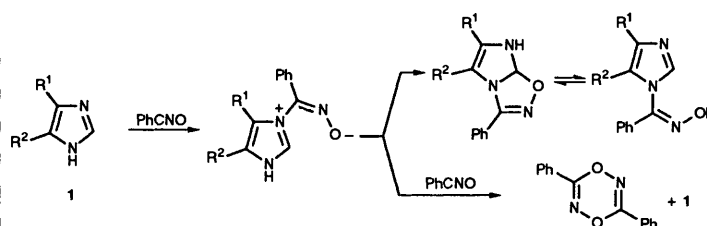
A new synthesis of rotenoids has been developed and applied to 5-thio members

2605 **Synthesis of *trans*-B/C-rotenoids: X-ray and NMR data for *cis*- and *trans*-forms of isorotenone**

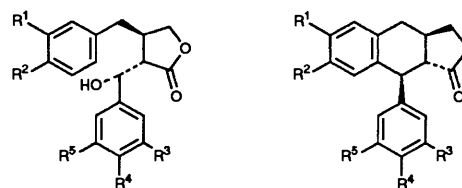
Michael J. Begley, Leslie Crombie, Hamid bin A. Hadi and Jonathan L. Josephs

*trans*-B/C-Rotenoids have been synthesised and their X-ray structure and ^1H and ^{13}C NMR spectra are compared with those of the *cis*-compound2615 **Reaction of *N*-unsubstituted imidazoles with benzonitrile oxide**

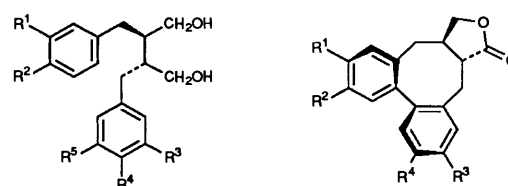
Giovanni Grassi, Francesco Foti, Francesco Risitano, Giuseppe Bruno, Francesco Nicolò and Giovanni De Munno

2621 **Asymmetric synthesis of dibenzylbutyrolactones and aryltetralin lignan lactones by tandem conjugate addition to a chiral butenolide**

Andrew Pelter, Robert S. Ward, D. Martin Jones and Peter Maddocks

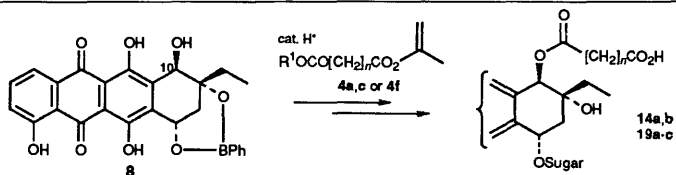
2631 **Asymmetric synthesis of lignans of the dibenzylbutanediol and tetrahydro-dibenzocyclooctene series**

Andrew Pelter, Robert S. Ward, D. Martin Jones and Peter Maddocks



2639 Convenient synthesis of alcohol *O*-hemiesters using isopropenyl esters as acylating reagents: synthesis of hydrophilic oxanomycin 10-*O*-hemiesters derivatives

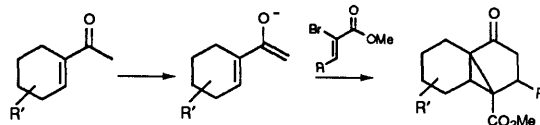
Yasuyuki Kita, Hiroshi Maeda, Fumie Takahashi and Seiji Fukui



Reaction of β -rhodomycinone derivative **8** with isopropenyl esters **4** in the presence of a catalytic amount of acid followed by selective deprotection of the terminal ester gave hydrophilic oxanomycin 10-*O*-hemiesters derivatives **14a, b** and **19a-c**

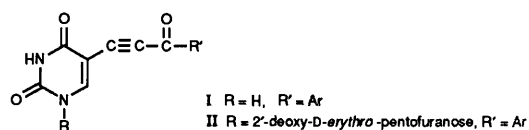
2651 Bicycloannulation of α -bromo α,β -unsaturated esters; synthesis of the tricyclo[4.4.0.0^{1,5}]-decane framework and its congeners

Hisahiro Hagiwara, Futoshi Abe and Hisashi Uda



2657 Synthesis of 5-(acylethynyl)uracils and their corresponding 2'-deoxyribonucleosides through palladium-catalysed reactions

Nitya G. Kundu and Swapan K. Dasgupta



The synthesis of compounds **I** and **II**, through palladium-catalysed reactions, are reported

AUTHOR INDEX

- Abe, Futoshi, 2651
Agathocleous, Demetrios C., 2555
Al Dulayymi, Juma'a R., 2507
Baird, Mark S., 2507
Barrell, Kevin J., 2549
Baum, Marc M., 2513
Begley, Michael J., 2605
Bruno, Giuseppe, 2615
Busia, Kofi, 2505
Cahard, Dominique, 2509
Carless, Howard A. J., 2505
Clivio, Pascale, 2585
Crombie, Leslie, 2591, 2599, 2605
Dasgupta, Swapan K., 2657
De Munno, Giovanni, 2615
Dove, Yvonne, 2505
Duhamel, Pierre, 2509
Favre, Alain, 2585
Foti, Francesco, 2615
Fourrey, Jean-Louis, 2585
Fukui, Seiji, 2639
Gill, G. Bryon, 2567
Grassi, Giovanni, 2615
Hadi, Hamid bin A., 2605
Hagiwara, Hisahiro, 2651
Haines, Alan H., 2521
James, Gwyn D., 2567, 2581
Jia, Chunhua, 2521
Jones, D. Martin, 2621, 2631
Jones, David W., 2533, 2541
Josephs, Jonathan L., 2591, 2599, 2605
Kita, Yasuyuki, 2639
Kundu, Nitya G., 2657
Kurdjukov, Alexander I., 2507
Li, Xiaoming, 2507
Maddocks, Peter, 2621, 2631
Maeda, Hiroshi, 2639
Malik, Shahnaz S., 2505
Mayer, Marion, 2525
Mills, Stuart D., 2581
Moody, Christopher J., 2561
Nicholls, Paul J., 2549
Nicolò, Francesco, 2615
Oates, Karen V., 2567
Pattenden, Gerald, 2567, 2581
Pavlov, Valery A., 2507
Pelter, Andrew, 2621, 2631
Poirier, Jean-Marie, 2509
Risitano, Francesco, 2615
Shaw, Gordon, 2555
Smith, Edward H., 2513
Smith, H. John, 2549
Swann, Elizabeth, 2561
Takahashi, Fumie, 2639
Thiericke, Ralf, 2525
Thompson, Adrian M., 2533, 2541
Uda, Hisashi, 2651
Ward, Robert S., 2621, 2631
Woo, Lawrence W. L., 2549

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