

## JOURNAL OF THE CHEMICAL SOCIETY

## Perkin Transactions 1

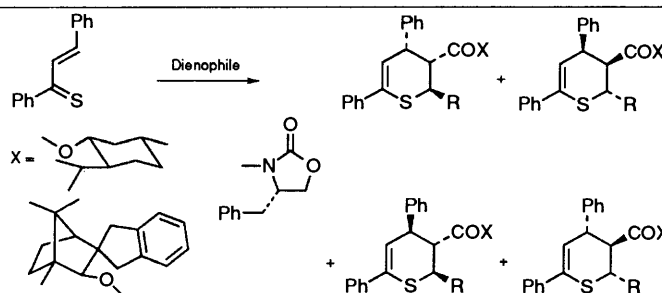
## Organic and Bio-organic Chemistry

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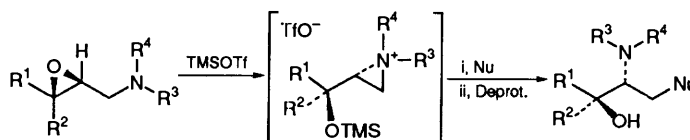
- 1359 **Thermal and Lewis acid-promoted asymmetric hetero Diels-Alder reaction of a 1-thiabuta-1,3-diene system (thiochalcone) with chiral acrylic esters and *N*-acryloyl- and *N*-crotonyl-carboximides**

Takao Saito, Takayuki Karakasa, Hiroya Fuji, Eiji Furuno, Hirofumi Suda and Kimiko Kobayashi



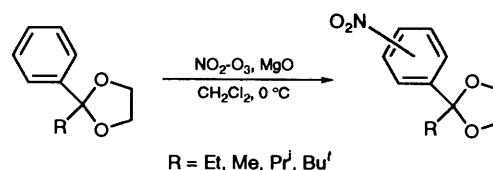
- 1363 **Lewis acid induced rearrangement of 2,3-epoxy amines; characterisation of aziridinium ion intermediates and regiospecific ring opening with nitrogen nucleophiles**

Quanying Liu, Michael J. Simms, Neville Boden and Christopher M. Rayner



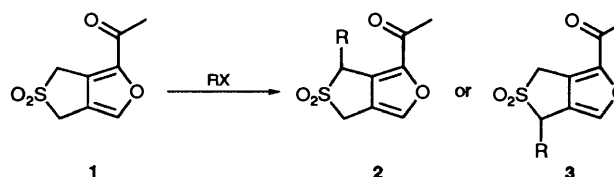
- 1367 **Ozone-mediated reaction of aromatic acetals and acylal with nitrogen dioxide: a novel methodology for the nuclear nitration of acid-sensitive aromatic compounds under neutral conditions**

Hitomi Suzuki, Shuji Yonezawa, Tadashi Mori and Koichi Maeda



- 1371 **Regioselective alkylation of 1(3)-acetyl-4*H*,6*H*-thieno[3,4-*c*]furan 5,5-dioxide**

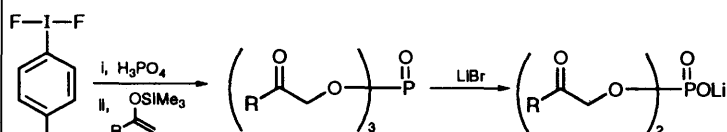
Katsuhiro Konno, Yoh Kawakami, Takaaki Hayashi and Hiroaki Takayama



The title compound 1 was regioselectively alkylated to give, in good to high yield, 2 or 3 depending on the conditions used

- 1375 **Oxyphosphorylation of carbon with phosphoric acid and *p*-(difluoroiodo)toluene: synthesis of tris-ketol phosphates and their conversion into lithium bis-ketol phosphates**

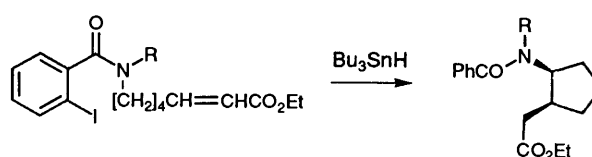
Gerald F. Koser, Kuanchiang Chen, Yali Huang and Carol A. Summers



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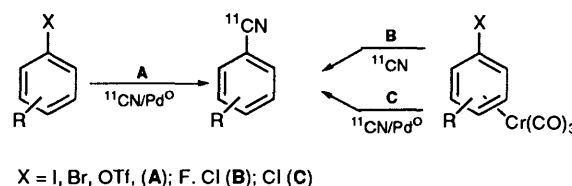
- 1377 **Radical translocation reactions across amides. 1,5-hydrogen-transfer reactions of *o*-iodobenzamides and *N*-(*o*-iodobenzyl) amides**

Dennis P. Curran and Hongtao Liu



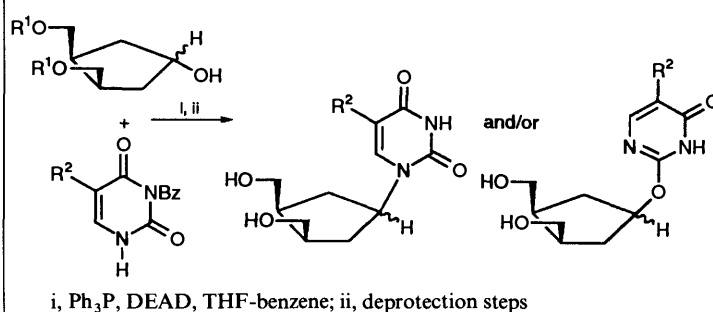
- 1395 **Transition metal-mediated reactions using [<sup>11</sup>C]cyanide in synthesis of <sup>11</sup>C-labelled aromatic compounds**

Yvonne Andersson and Bengt Långström



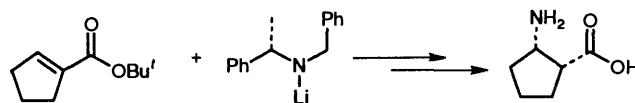
- 1401 **Synthesis of *meso*-2',3'-dideoxy-3' $\beta$ -hydroxymethyl carbocyclic nucleosides as potential antiviral drugs. Unusual competitive 2-*O*- versus *N*<sup>1</sup>-alkylation of 3-substituted pyrimidines under Mitsunobu conditions**

Christophe Bonnal, Claude Chavis and Marc Lucas



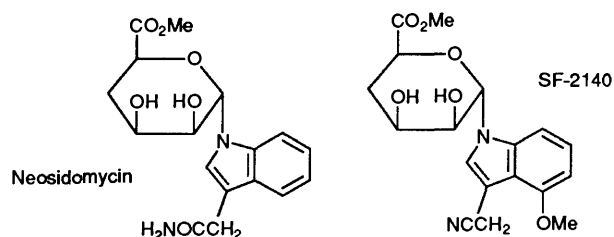
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Stephen G. Davies, Osamu Ichihara, Isabelle Lenoir and Iain A. S. Walters

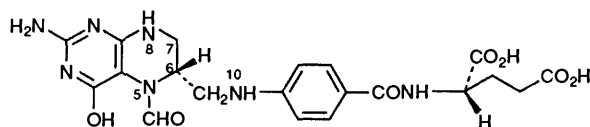


1417 **Synthesis of the indole nucleoside antibiotics neosidomycin and SF-2140**

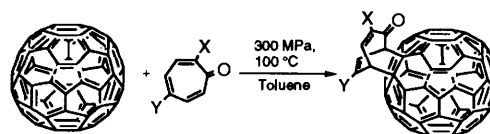
J. Grant Buchanan, Jane Stoddart and Richard H. Wightman

1427 **Large-scale chemoenzymic synthesis of calcium (6*S*)-5-formyl-5,6,7,8-tetrahydrofolate [(*-*)-leucovorin] using the NADPH recycling method**

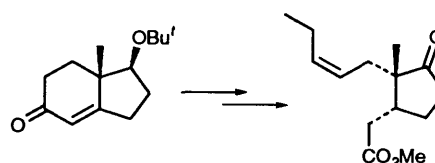
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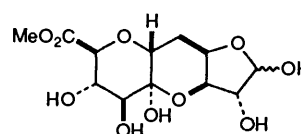
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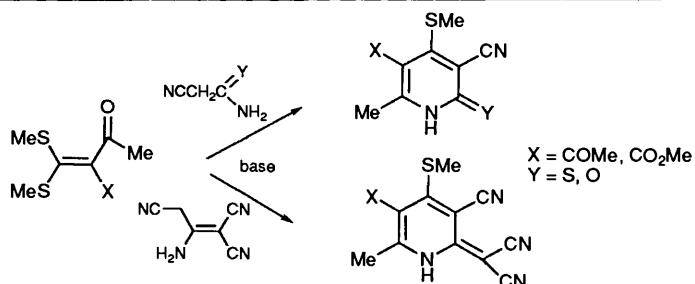
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Paul J. Cox, Andrew M. Griffin, Nicholas J. Newcombe, Simon Lister, Michael V. J. Ramsay, David Alker and Timothy Gallagher

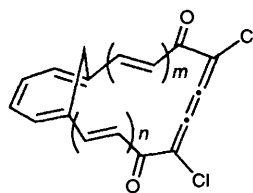
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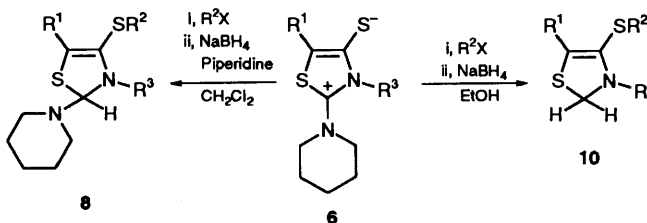
[16] - 3;  $m=n=1$

[20] - 4;  $m=n=2$

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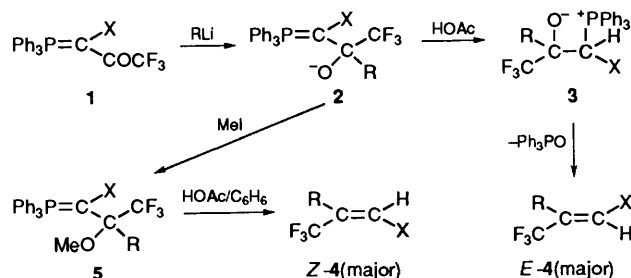
Mohammed Bssaibis, Albert Robert and Abdel Aziz Souizi



Compounds 8 and 10 are precursors of dithiadiazafulvalenes

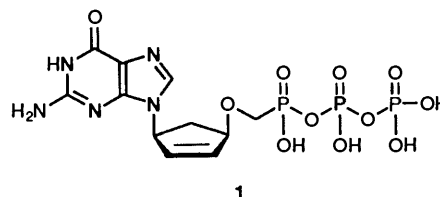
1473 Novel conversion of *E* stereoselectivity to *Z* stereoselectivity in trifluoromethylated  $\alpha,\beta$ -unsaturated esters and nitriles by way of *O*-methylation of an ylide anion

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1477 Synthesis and biological activity of the diphosphorylphosphonate derivatives of (+)- and (-)-*cis*-9-(4'-hydroxycyclopent-2'-enyl)guanine

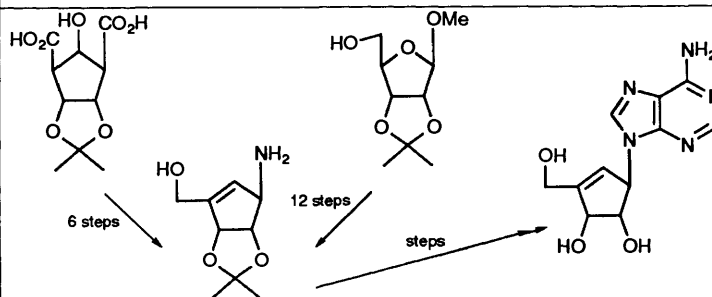
Valeria Merlo, Stanley M. Roberts, Richard Storer and Richard C. Bethell



Compound 1 has been prepared and shows potent inhibition of HIV-coded reverse transcriptase

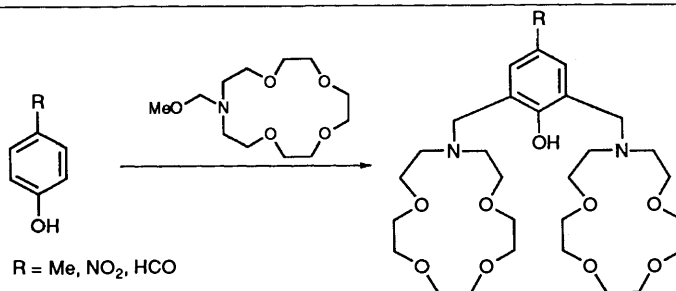
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Jason M. Hill, Edward J. Hutchinson, Darren M. Le Grand, Stanley M. Roberts, Andrew J. Thorpe and Nicholas J. Turner



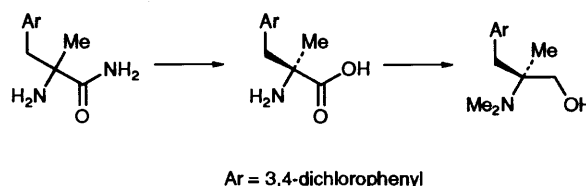
1489 New phenol-containing bis(azacrown ether)s: synthesis and complexing properties

Nikolai G. Lukyanenko, Victor N. Pastushok, Andrei V. Bordunov, Victor I. Vetrogon, Natali I. Vetrogon and Jerald S. Bradshaw



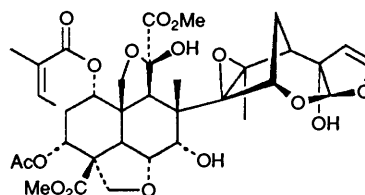
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Bernard Kaptein, Harold M. Moody, Quirinus B. Broxterman and Johan Kamphuis



1499 Photo-isomerization of azadirachtin studied by high performance liquid chromatography coupled to high field proton NMR spectroscopy

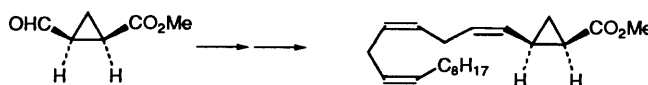
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The (*Z*)-2-methylbut-2-enoate analogue of azadirachtin has been formed by UV irradiation and its structure determined by HPLC-NMR

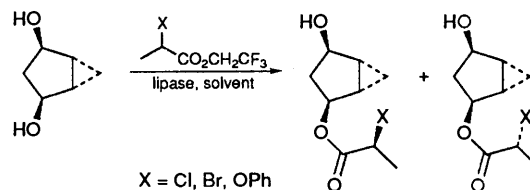
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Paul I. Butler, Trafford Clarke, Colin Dell and John Mann



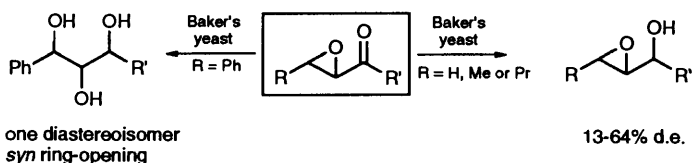
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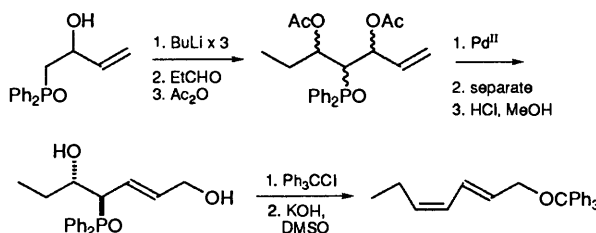
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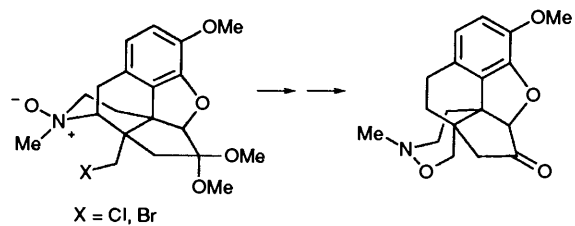
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Jonathan Clayden and Stuart Warren



1541 **Synthesis of 5a,11b-propanonaphtho[1,2-e]-[1,2]oxazepines as potential opioid analgesics**

Martin Kratzel



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## **Forthcoming Articles in *Perkin Transactions 1***

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Imidoylstannanes, Improved Preparation and use as Acyl Anion Equivalents  
**B. Jousseume, N. Vilcot and E.R.T. Tiekink**

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**P. Duhamel, B. Leblond, L. Bidois-Sery and J-M. Poirier**

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Asymmetric Palladium Catalysed Allylic Substitution: A Ligand Design Incorporating Steric and Electronic Effects  
**J.M.J. Williams, J.V. Allen, S.J. Cooke, G.J. Dawson, C.G. Frost and C.J. Martin**

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