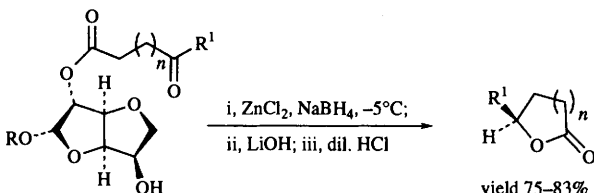
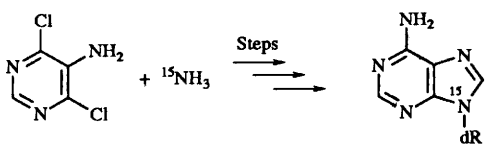
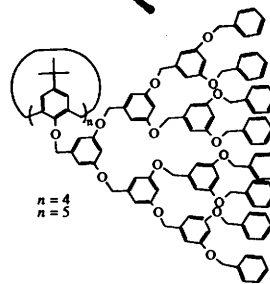
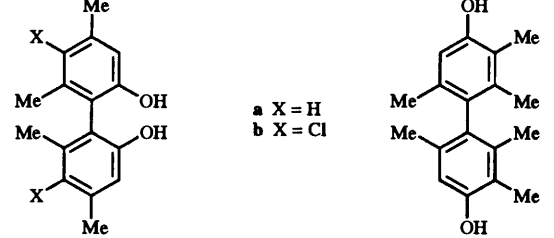
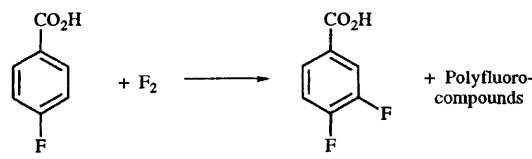
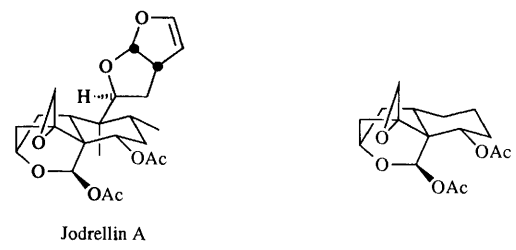
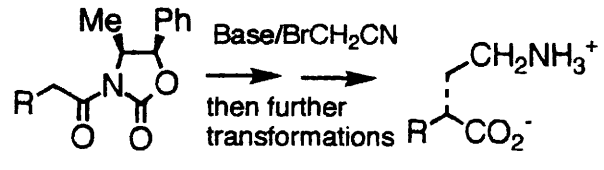
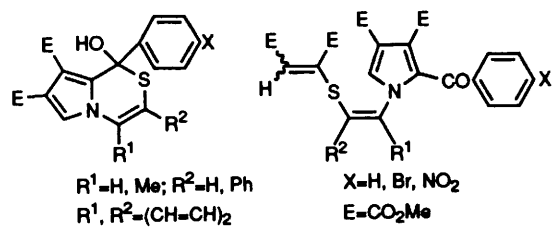
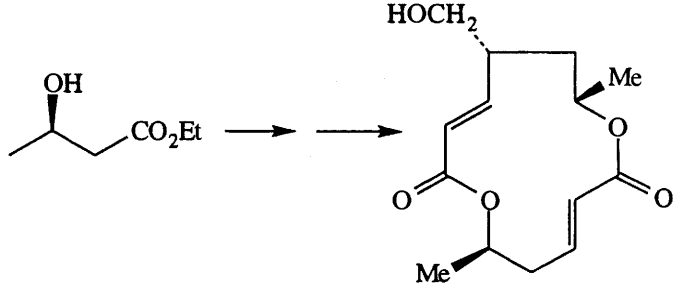


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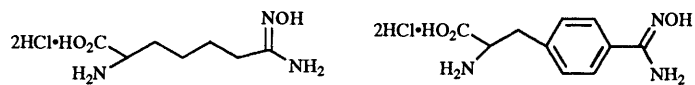
<p>593 Asymmetric induction using novel chiral auxiliaries derived from D-glucose</p> <p>Vijay Nair and Jaya Prabhakaran</p>	 <p>yield 75-83%</p> <p>$R^1 = C_6H_5, n = 1, ee = 91\%$ $R^1 = C_6H_5, n = 2, ee = 56\%$</p>
<p>595 First synthesis of β-2'-deoxy[9-^{15}N]adenosine</p> <p>Charles C. Orji, Joe Kelly, David Ashburn and Louis A. Silks III</p>	 <p>dR = β-2-deoxyribose</p>
<p>599 Calixarene-bound dendritic macromolecules</p> <p>George Ferguson, John F. Gallagher, M. Anthony McKervey and Evelyn Madigan</p>	 <p>$n = 4$ $n = 5$</p>
<p>603 New preparative method for optically active 2,2'- and 4,4'-dihydroxybiphenyl derivatives. A new chiral host compound 4,4'-dihydroxy-2,2',3,3',6,6'-hexamethylbiphenyl</p> <p>Koichi Tanaka, Ayao Moriyama and Fumio Toda</p>	 <p>a X = H b X = Cl</p> <p>Preparation of optically pure 2,2'- and 4,4'-dihydroxybiphenyls</p>

Articles

<p>605 Elemental fluorine. Part 1. Synthesis of fluoroaromatic compounds</p> <p>Richard D. Chambers, Christopher J. Skinner, John Hutchinson and Julie Thomson</p>	 <p>Effect of solvent on fluorine as an electrophile</p>
<p>611 Synthetic studies towards the clerodane insect antifeedant jodrellin A: preparation of a polycyclic model compound with antifeedant activity</p> <p>Ana C. Cuñat, David Díez-Martín, Steven V. Ley and Francis J. Montgomery</p>	 <p>Jodrellin A</p>
<p>621 Enantioselective synthesis of 2-substituted 4-aminobutanoic acid (GABA) analogues via cyanomethylation of chiral enolates</p> <p>Shamim Azam, Alice A. D'Souza and Peter B. Wyatt</p>	
<p>629 Reinvestigation of reactions of thiazolium and benzothiazolium <i>N</i>-phenacylides with electron-deficient acetylenes</p> <p>Tatsunori Iwamura, Masahiro Kobayashi, Takashi Ichikawa, Hiroshi Shimizu and Tadashi Kataoka</p>	 <p>$R^1 = \text{H, Me}; R^2 = \text{H, Ph}$ $R^1, R^2 = (\text{CH}=\text{CH})_2$ $X = \text{H, Br, NO}_2$ $E = \text{CO}_2\text{Me}$</p>
<p>637 Enantioselective synthesis of the 13-membered macrodiolide bartanol</p> <p>John A. O'Neill, Stephen D. Lindell, Thomas J. Simpson and Christine L. Willis</p>	

645 **Synthesis and effects on arginase and nitric oxide synthase of two novel analogues of *N*^ω-hydroxyarginine, *N*^ω-hydroxyindospicine and *p*-hydroxyamidinophenylalanine**

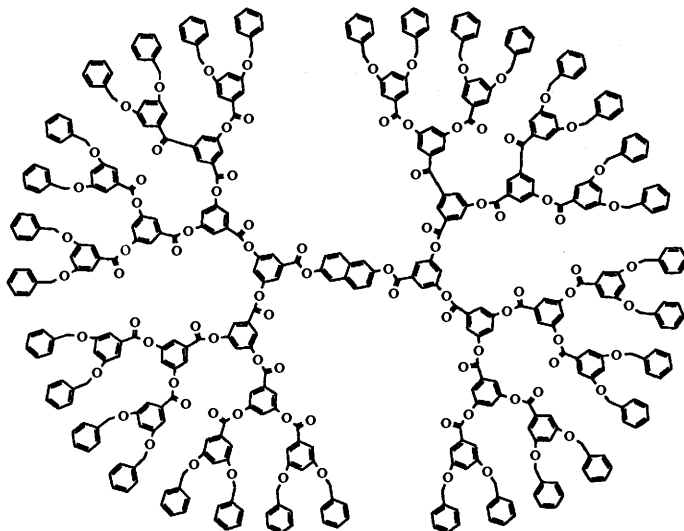
Sandrine Vadon, Julien Custot, Jean-Luc Boucher and Daniel Mansuy



N^ω-Hydroxy-D,L-indospicine and *p*-hydroxyamidino-D,L-phenylalanine have been synthesized in 4 steps from BOC-glycine, and have been found to be very potent inhibitors of arginase

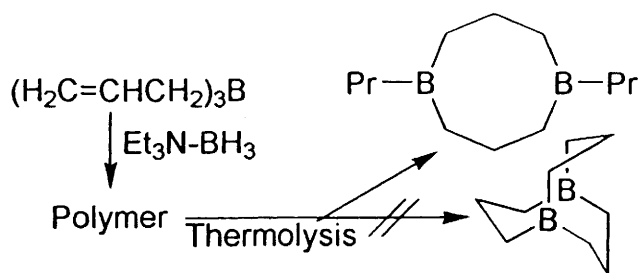
649 **Synthesis of polyester dendrimers**

David M. Haddleton, Hardeep S. Sahota, Paul C. Taylor and Stephen G. Yeates



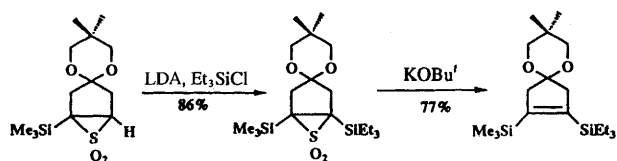
657 **1,5-Diborabicyclo[3.3.3]undecane; thermolysis of the product from hydroboration of triallylborane with triethylamine-borane**

Roger W. Alder and Zhao Jin



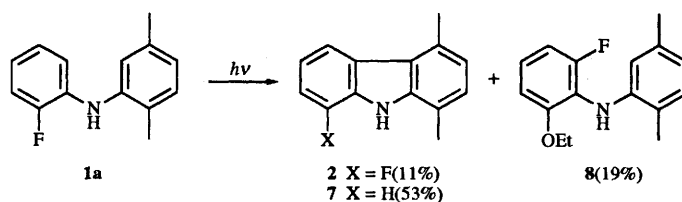
661 **The generation and synthetic applications of episulfone α -anions**

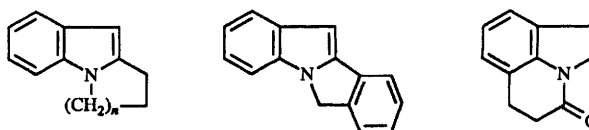
Andrew E. Graham, Wendy A. Loughlin, Madeleine H. Moore, Simon M. Pyke, Giles Wilson and Richard J. K. Taylor



669 **Photolysis of fluorodiphenylamines**

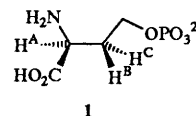
Paul W. Groundwater, David Hughes, Michael B. Hursthouse and Rhiannon Lewis



675 **Intramolecular radical substitution reactions: a novel approach to fused [1,2-*a*]indoles**

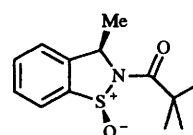
A novel free-radical ipso-substitution reaction has been used for the synthesis of fused [1,2-*a*]indoles; attempts to extend this methodology to other nitrogen-containing heterocycles are also described

Stephen Caddick, Karim Aboutayab, Kerry Jenkins and Robert I. West

683 **Synthesis of (2*S*)-*O*-phosphohomoserine and its C-2 deuteriated and C-3 chirally deuteriated isotomers: probes for the pyridoxal phosphate-dependent threonine synthase reaction**

A short efficient synthesis of threonine synthase substrate (2*S*)-*O*-phosphohomoserine and its C-2 deuteriated and C-3 chirally deuteriated isotomers is described

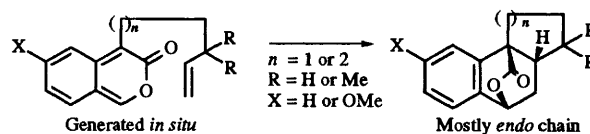
Fiona Barclay, Ewan Chrystal and David Gani

691 **Asymmetric synthesis of amines using a chiral, non-racemic, benzylidene sulfinamide derived from a recoverable precursor**

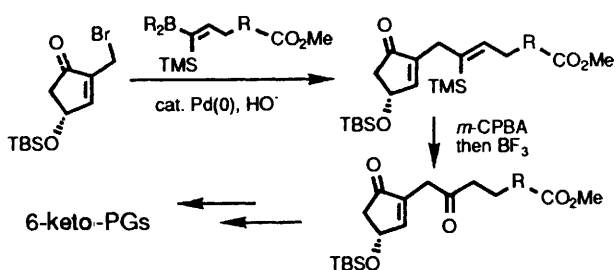
*S*_(S)*R*-(+)-*cis*-1

Compound **1** was employed for the asymmetric synthesis of amines

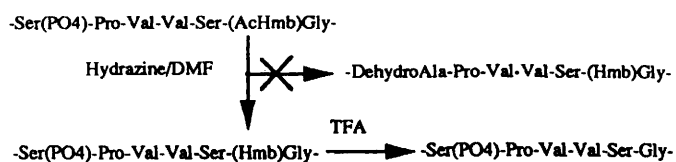
David R. J. Hose, Mary F. Mahon, Kieran C. Molloy, Tony Raynham and Martin Wills

705 **Intramolecular Diels–Alder additions to 2-benzopyran-3-ones; *endo*-selective additions and some reactions of the adducts**

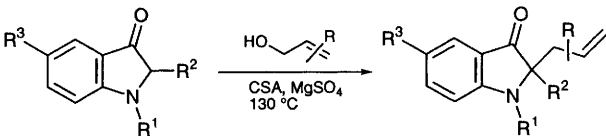
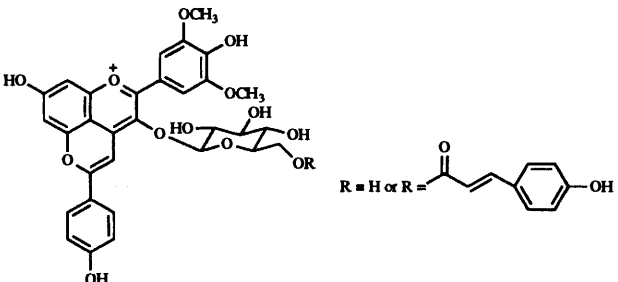
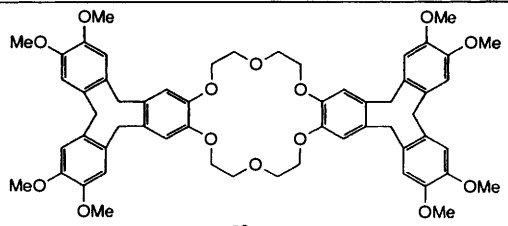
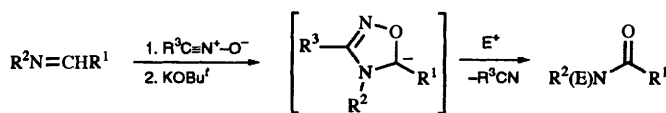
David W. Jones and Firstborn Matthew Nongrum

715 **Synthesis of the key component for preparation of 6-keto-prostaglandins by a two-component coupling process: synthesis of 6-keto-prostaglandin E₁, ornoprostil and Δ²-*trans*-6-keto-prostaglandin E₁**

Yasufumi Kawanaka, Naoya Ono, Yukio Yoshida, Sentaro Okamoto and Fumie Sato

719 **Backbone protection and its application to the synthesis of a difficult phosphopeptide sequence**

Tony Johnson, Leonard C. Packman, Carolyn B. Hyde, David Owen and Martin Quibell

<p>729 Synthesis of 2-allyl-2,3-dihydro-1<i>H</i>-indol-3-ones using <i>in situ</i> Claisen rearrangement of 2,3-dihydro-1<i>H</i>-indol-3-ones with allyl alcohols</p> <p>Tomomi Kawasaki, Kouhei Masuda, Yasutaka Baba, Romi Terashima, Kana Takada and Masanori Sakamoto</p>	 <p>$R^1 = \text{Ac, C(}i\text{O)Ph, CO}_2\text{Me}; R^2 = \text{H, Me, CH}_2\text{Ph, Ph};$ $R^3 = \text{H, OMe, Br}$</p>
<p>735 Structure of new anthocyanin-derived wine pigments</p> <p>Hélène Fulcrand, Paulo-Jorge Cameira dos Santos, Pascale Sarni-Manchado, Véronique Cheynier and Jean Favre-Bonvin</p>	 <p>$R = \text{H} \text{ or } R = \text{C(=O)-CH=CH-C}_6\text{H}_4\text{-OH}$</p>
<p>741 Synthesis and characterization of bis[1.1.1]orthocyclophano-18-crown-6 compounds</p> <p>Hiroshi Hara, Shin-ichi Watanabe, Makoto Yamada and Osamu Hoshino</p>	 <p>5S <i>syn</i> 5A <i>anti</i></p> <p>Compounds 5S and 5A are synthesized from dibenzo-18-crown-6, and are separated using complexation with KSCN</p>
<p>747 Base-induced cycloreversion of nitrile oxide cycloadducts: conversion of imines into secondary and tertiary amides and aromatic aldehydes into acids without a conventional oxidising agent</p> <p>R. Alan Aitken and Swati V. Raut</p>	

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Oxidative addition of 1,3-dicarbonyl compounds to alkenes mediated by cerium(IV) ammonium nitrate and manganese(III) acetate: a comparative study **V. Nair, J. Mathew and K.V. Radhakrishnan**

Phosphane ligands with two binding sites of different hardness for the enantioselective Grignard cross coupling
A. Terfort and H. Brunner

Novel reactions of *N*-sulfonylamines with 3-dimethylamino-2*H*-azirines. Competitive formation of 1,2,5-thiadiazoles, 1,2,3-oxathiazoles and acrylamidines **I. Tornus, E. Schaumann and G. Adiwidjaja**

New synthesis of 1-phenylsulfanyl- and 1-alkylamino-4-nitrobuta-1,3-dienes **N. Ono, K. Matsumoto, T. Ogawa, H. Tani and H. Uno**

Tricyclic phenanthrene systems: substituted 1,2,3-triazatriphenylenes and fused phenanthreno-azolo-1,2,3-triazoles from cycloaddition–rearrangement sequences of 9,10-bisarylazophenanthrenes with 2π -dipolarophiles: azolium 1,3-dipoles
R.N. Butler, F.A. Lysaght, P.D. McDonald, C.S. Pyne, P. McArdle and D. Cunningham

New Diels–Alder reactions of 3-vinylindoles with aryne: a selective access to functionalized [a]annellated carbazoles
E. Gonzalez, U. Pindur and D. Schollmeyer

Synthesis of some β -substituted alkyne porphyrins related to protoporphyrin-IX **X. Jiang and K.M. Smith**

Nucleoside adducts of vinylporphyrins and vinylchlorins **X. Jiang, R.K. Pandey and K.M. Smith**

Metal-assisted reactions. Part 25. Heterogeneous and homogeneous catalytic transfer hydrogenolysis of allyloxetrazoles to yield alkenes or alkanes **M.L.S. Cristiano, R.A.W. Johnstone and P.J. Price**

Chemical- and enzyme-catalysed syntheses of enantiopure epoxide and diol derivatives of chromene, 2,2-dimethylchromene and 7-methoxy-2,2-dimethylchromene (Precocene 1) **D.R. Boyd, N.D. Sharma, R. Boyle, H. Dalton, J. Chima, T.A. Evans, J.F. Malone and K.M. McCombe**

Studies on Rubia akane (RA) derivatives. Part 10. Backbone transformation of RA-VII, an antitumour cyclic hexapeptide, through thionation **Y. Hitotsuyanagi, Y. Matsumoto, S. Sasaki, J. Suzuki, K. Takeya, K. Yamaguchi and H. Itokawa**

Studies in the cycloproparene series: oxygen-containing 1*H*-cyclopropa[*b*]naphthalenes and their methylenedene derivatives
B. Halton, A.J. Kay, Z. Zhi-Mei, R. Boese and T. Haumann

Novel and practical preparation of α -fluoro functionalized esters from iodofluoroacetates **Q.-Y. Chen and C.-X. Zhi**

Synthesis of derivatives of (2*S*,4*S*)-4-hydroxy-2,5-dimethyl-3-oxohexanoic acid, a constituent of the didemnins **I. Gonzalez, G. Jou, J.M. Caba, F. Albericio, P. Lloyd-Williams and E. Giralt**

A study of solvent effect on photochemically induced reactions between pyridinedicarbonitriles and alkenes. An easy approach to the synthesis of pyridine derivatives **R. Bernardi, T. Caronna, D. Dal Pio Luogo, S. Morrocchi, G. Poggi and B.M. Vittimberga**

Metabolites of the higher fungi. Part 29. Maldoxin, maldoxone, dihydromaldoxin, isodihydromaldoxin and dechlorodihydromaldoxin. A spiro-cyclohexadienone, a depsidone and three diphenyl ethers: keys in the depsidone biosynthetic pathway from a member of the fungus genus *Xylaria* **M. Adeboya, R.L. Edwards, T. Lassoë, D.J. Maitland, L. Shields and A.S.J. Whalley**

Enhancement of tyrosinase activity by macrocycles in the oxidation of *p*-cresol in organic solvents **J. Broos, R. Arends, G.B. Van Dijk, W. Verboom, J.F.J. Engbersen and D.N. Reinhoudt**

Addition of organolithium reagents to α -trifluoromethylstyrene: a concise synthesis of functionalised *gem*-difluoroalkenes
J.-P. Begue, D. Bonnet-Delpon and M.H. Rock

A new aspect of the reaction of nitro heteroaromatics with ethyl isocyanoacetate **T. Murashima, K. Fujita, K. Ono, T. Ogawa, H. Uno and N. Ono**

