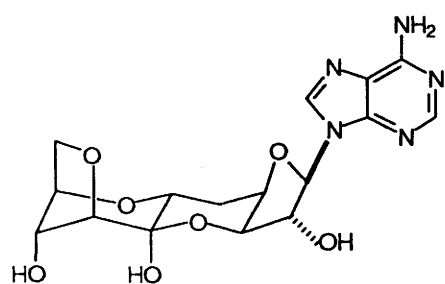
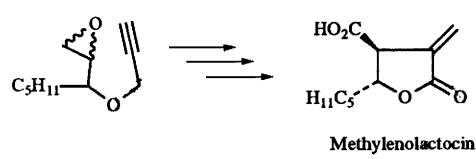
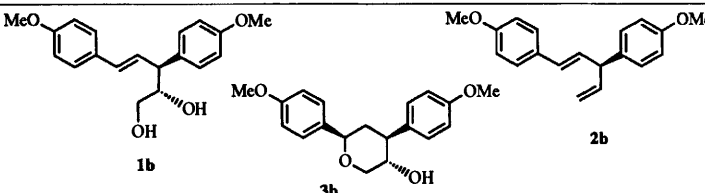


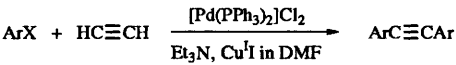
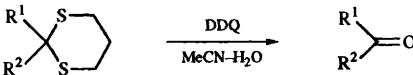
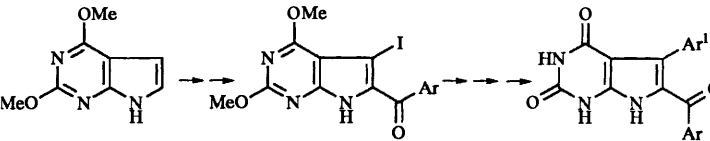
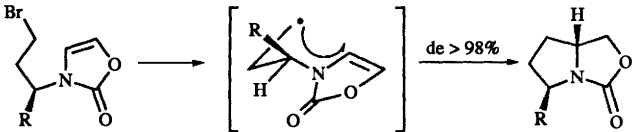
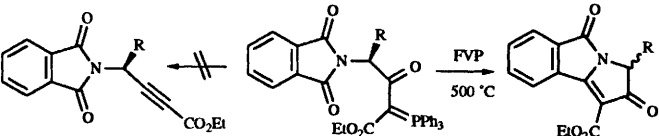
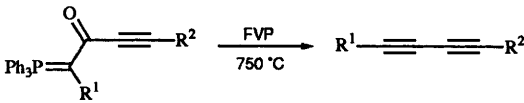
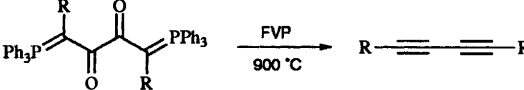
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<p>401 Studies directed towards the synthesis of herbicidins. Model study based on late stage N-glycosylation</p> <p>Hayley M. Binch and Timothy Gallagher</p>	
<p>403 Total synthesis of (\pm)-methylenolactocin by radical cyclisation of an epoxide using a transition-metal radical</p> <p>Gourhari Maiti and Subhas Chandra Roy</p>	 <p>Methylenolactocin</p>

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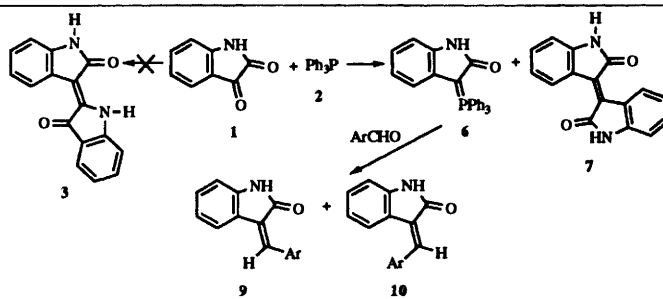
<p>405 Enantioselective total synthesis of the di-<i>O</i>-methyl ethers of (–)-agatharesinol, (+)-hinokiresinol and (–)-sugiresinol, characteristic norlignans of <i>Coniferae</i></p> <p>Osamu Muraoka, Bao-Zhong Zheng, Noriyuki Fujiwara and Genzoh Tanabe</p>	 <p>Facile enantioselective synthesis of the norlignans, (–)-di-<i>O</i>-methylagatharesinol (–)-1b, (+)-di-<i>O</i>-methylhinokiresinol (+)-2b and (–)-di-<i>O</i>-methylsugiresinol (–)-3b are described</p>
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<p>413 Selectivity in the ring-expansion and ring-switching reactions of bicyclooxonium ions</p> <p>Tohru Kamada, Ge-Qing, Manabu Abe and Akira Oku</p>	<p>a: $m = 1, n = 3$ b: $m = 1, n = 4$ c: $m = 1, n = 5$ d: $m = 2, n = 3$ e: $m = 3, n = 3$</p>
<p>417 A new synthesis of pyrroles and porphyrins fused with aromatic rings</p> <p>Noboru Ono, Hideo Hironaga, Kazuo Ono, Syunichi Kaneko, Takashi Murashima, Takahiro Ueda, Chikanori Tsukamura and Takuji Ogawa</p>	
<p>425 Stereospecific formation of <i>R</i>-aromatic acyloins by <i>Zymomonas mobilis</i> pyruvate decarboxylase</p> <p>Stephen Bornemann, David H. G. Crout, Howard Dalton, Vladimír Kren, Mario Lobell, Gregory Dean, Nicholas Thomson and Margaret M. Turner</p>	<p>i, Pyruvate decarboxylase from <i>Zymomonas mobilis</i></p>
<p>431 Synthesis of 2-deoxy-α- and -β-D-arabino-hexopyranosyl phosphonic acids and related compounds; analogues of early intermediates in the shikimate pathway</p> <p>Nigel J. Barnes, Mark A. Probert and Richard H. Wightman</p>	
<p>439 Synthesis of C_{11} chain-extended analogues of <i>N</i>-acetylneuraminic acid</p> <p>Milton J. Kiefel, Simon Bennett and Mark von Itzstein</p>	<p>R = NHAc</p>
<p>443 Diels–Alder reactions of <i>o</i>-benzoquinones with acyclic dienes</p> <p>Vijay Nair and Sasi Kumar</p>	<p>Diels–Alder reactions of <i>o</i>-benzoquinones with electron rich dienes proceed efficiently to afford benzodioxin adducts in high yields</p>

<p>449 An improved procedure for the synthesis of substituted acetylenes from the reaction of acetylene gas with aryl iodides under palladium-copper catalysis</p> <p>Manojit Pal and Nitya G. Kundu</p>	 $\text{ArX} + \text{HC}\equiv\text{CH} \xrightarrow[\text{Et}_3\text{N, Cu}^{\text{I}} \text{ in DMF}]{[\text{Pd}(\text{PPh}_3)_2]\text{Cl}_2} \text{ArC}\equiv\text{CAr}$
<p>453 Oxidative removal of 1,3-dithiane protecting groups by 2,3-dichloro-5,6-dicyano-<i>p</i>-benzoquinone (DDQ)</p> <p>Kiyoshi Tanemura, Hiroshi Dohya, Masanori Imamura, Tsuneo Suzuki and Takaaki Horaguchi</p>	 $\text{R}^1\text{-C}(\text{S})_2\text{-R}^2 \xrightarrow[\text{MeCN-H}_2\text{O}]{\text{DDQ}} \text{R}^1\text{-C(=O)-R}^2$ <p>1,3-Dithianes are deprotected in the presence of 1,3-dithiolanes or diphenyldithioacetals</p>
<p>459 Condensed heteroaromatic ring systems. Part 24. Synthesis of rigidin, a pyrrolo[2,3-<i>d</i>]-pyrimidine marine alkaloid</p> <p>Takao Sakamoto, Yoshinori Kondo, Shuichiroh Sato and Hiroshi Yamanaka</p>	 <p style="text-align: center;">rigidin</p> <p style="text-align: center;">$\text{Ar} = 4\text{-HOOC}_6\text{H}_4, \text{Ar}^1 = 4\text{-MeOC}_6\text{H}_4$</p>
<p>465 Highly diastereoselective route to <i>trans</i>-5-substituted 2-hydroxymethylpyrrolidine derivatives by radical cyclisation</p> <p>Yoko Yuasa, Jun Ando and Shiroshi Shibuya</p>	 <p style="text-align: center;">$\text{Bu}_3\text{SnH, AIBN, benzene, reflux 5h}$</p>
<p>475 Flash vacuum pyrolysis of stabilised phosphorus ylides. Part 7. Cyclisation of amino acid derived α-phthalimidoacyl ylides to give pyrroloisindoleiones</p> <p>R. Alan Aitken, Harris R. Cooper and (in part) Amit P. Mehrotra</p>	 <p style="text-align: center;">FVP 500 °C</p>
<p>485 Flash vacuum pyrolysis of stabilised phosphorus ylides. Part 8. Preparation of symmetrical and unsymmetrical 1,3-diynes from alkynoyl ylides and oxalyl diylides</p> <p>R. Alan Aitken, Hugues Héron, Caroline E. R. Horsburgh, Nazira Karodia and Shirley Seth</p>	 $\text{Ph}_3\text{P}=\text{C}(\text{R}^1)\text{C}\equiv\text{C}(\text{R}^2) \xrightarrow[750\text{ }^\circ\text{C}]{\text{FVP}} \text{R}^1\text{-C}\equiv\text{C}\text{-C}\equiv\text{C}-\text{R}^2$  $\text{Ph}_3\text{P}=\text{C}(\text{R})\text{C(=O)C(=O)C}(\text{R})=\text{PPh}_3 \xrightarrow[900\text{ }^\circ\text{C}]{\text{FVP}} \text{R-C}\equiv\text{C}\text{-C}\equiv\text{C}-\text{R}$

491 **Synthesis and study of 3-(triphenylphosphoranylidene)-2,3-dihydro-1*H*-indol-2-one**

George E. Lathourakis and Konstantinos E. Litinas



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1,2,3-Triazolium-1-unsaturated methanides, carbon analogues of triazole-*N*-oxides: a 1,3-dipole cascade from 1,2,3-triazolium-1-methanide to 1,2,4-triazinium-4-methanide; new routes to pyrrolo[1,2-*c*][1,2,3]triazoles, pyrrolo[1,2-*d*][1,2,4]triazines and substituted 1-aminopyrroles; azolium 1,3-dipoles **R.N. Butler, P.D. McDonald, P. Cardle and D. Cunningham**

Diastereoselectivity in the S_E2" reaction of chiral pentadienylsilanes: a test for the relative importance of steric and electronic effects **I. Fleming, G.R. Jones, N.D. Kindon, Y. Landais, C.P. Leslie, I.T. Morgan, S. Peukert and A.K. Sarkar**

Stereocontrol of stereogenic centres *para* on a benzene ring using the S_E2" reaction of a pentadienylsilane **I. Fleming and C.P. Leslie**

Reactions of diphenylketene and methylphenylketene with some *cis*-cyclohexa-3,5-diene-1,2-diol derivatives **S.M. Roberts, P.W. Sutton and L. Wright**

Stereochemistry of enzymic lactonisation of *cis,cis*-muconic and 3-methyl-*cis,cis*-muconic acid **B. Chen, G.W. Kirby, G.V. Rao and R.B. Cain**

Formation of polyheterocyclic systems by the reaction of 2-imino-4-methyl-2*H*-1-benzopyran-3-carbonitrile with active methylene compounds **C.N. O'Callaghan, T.B.H. McMurry, J.E. O'Brien, S.M. Draper and D.J. Wilcock**

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Ketone-directed peracid epoxidation of cyclic alkenes **A. Armstrong, P.A. Barsanti, P.A. Clarke and A. Wood**

Versatile process for the syntheses of very long chain alkanes, functionalised derivatives and some branched chain hydrocarbons **G.M. Brooke, S. Burnett, S. Mohammed, D. Proctor and M.C. Whiting**

ν -Triazolines. Part 37. Rearrangement reactions of 1-(2-formyl-, -benzoyl-, -cyano-aryl)-5-amino- ν -triazolines: new synthesis of 2-amino- and 2,4-diamino-quinolines and 2,4-diamino-1,7-naphthyridines **E.M. Beccalli, E. Erba, M.L. Gelmi and D. Pocar**

Polyhalogenated heterocyclic compounds. Part 41. Cycloaddition reactions involving hexafluorobut-2-yne and 2*H*-heptafluorobut-2-ene **R.D. Chambers, A.J. Roche and M.H. Rock**

Design, synthesis and biological evaluation of stable ozonides with antimalarial activity **J. Mann, L.-C. De Almeida Barbosa, D. Cutler, M.J. Crabbe, G.C. Kirby and D.C. Warhurst**

Synthesis of chiral bicyclo[2.2.2]oct-5-en-2-ones *via* an intramolecular alkylation reaction **A. Srikrishna, G.V.R. Sharma and S. Daniieldoss**

Self-addition products from the alkylation of amino acid-derived oxazolidinones: X-ray molecular structures of (2*R*,4*S*,1'*S*)-3-benzoyl-4-[(1'-benzoylamino)benzyl]-4-benzyl-2-phenyl-1,3-oxazolidin-5-one, (2*R*,4*S*,1'*S*)- and (2*R*,4*S*,1'*R*)-3-benzoyl-4-[(1'-benzoylamino)benzyl]-4-methylethyl-2-phenyl-1,3-oxazolidin-5-one **A.D. Abell, J.M. Taylor and M.D. Oldham**

Co-cyclizations of nitrogen-containing acetylenes induced by a nickel-triphenylphosphine complex to give aminoindane, isoindoline and isoindolinone derivatives **E.H. Smith, D.M. Duckworth, S. Lee-Wong, A. Slawin and D.J. Williams**