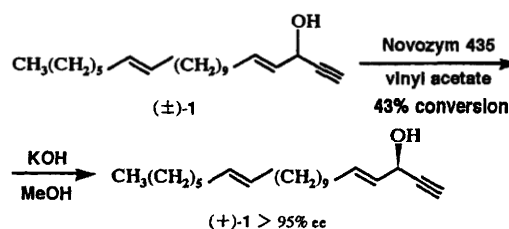


Communications

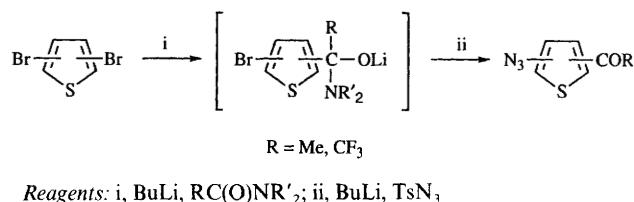
- 961 Chemoenzymatic synthesis of (+)-(4*E*,15*E*)-docosa-4,15-dien-1-yn-3-ol, a component of the marine sponge *Cribrochalina vasculum*

Takehiko Ohtani, Keiichi Kikuchi, Makoto Kamezawa, Hideaki Hamatani, Hojun Tachibana, Tetsuzo Totani and Yoshinobu Naoshima



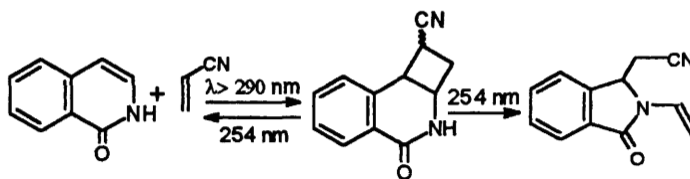
- 963 One-pot preparation of isomeric acetyl- and 2,2,2-trifluoroacetyl-azidothiophenes by selective bifunctionalization of dibromothiophenes *via* halogen-lithio exchange

Piero Spagnolo and Paolo Zanirato



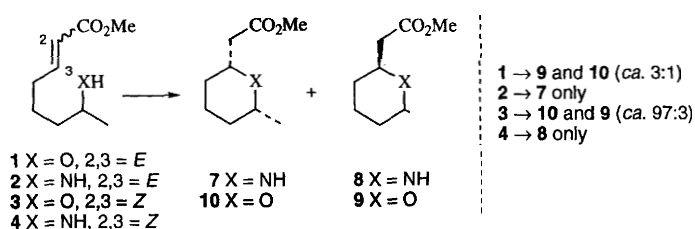
- 965 Two-photon route to *N*-vinylisindolinones from isoquinolin-1(2*H*)-one and electron deficient ethenes

Nader Al-Jalal, Michael G. B. Drew and Andrew Gilbert

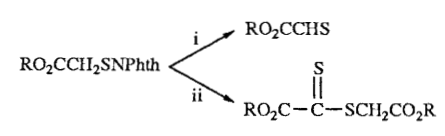
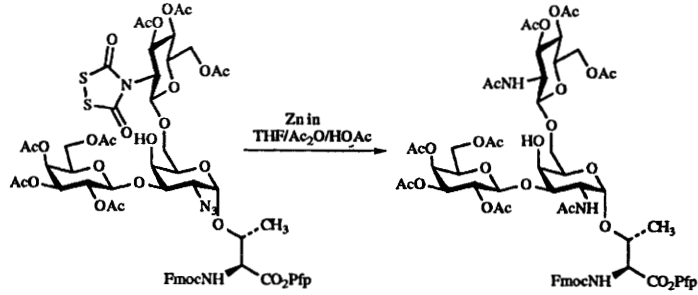
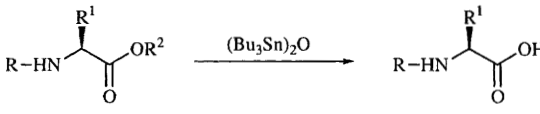
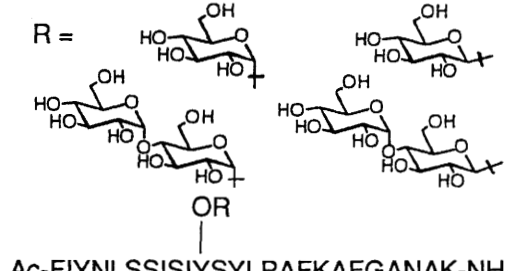
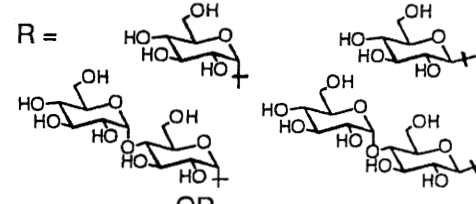


- 967 Michael addition of *N*- and *O*-centred nucleophiles to tethered acrylates. The role of double-bond geometry in controlling the diastereoselectivity of cyclisations leading to 2,6-disubstituted tetrahydropyrans and piperidines

Martin G. Banwell, Chinh T. Bui, Ha T. T. Pham and Gregory W. Simpson

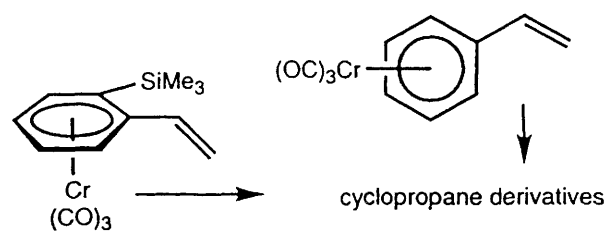


Articles

<p>971 Solid-phase synthesis of thymosin β_{10} using a <i>p</i>-cyanotrityl resin. Chemical characterization and immunochemical control of the synthetic peptide</p> <p>Leondios Leondiadis, Irene Vassiliadou, Christos Zikos, Nikolas Ferderigos, Evangelia Livaniou, Dionyssi S. Ithakissios and Gregory P. Evangelatos</p>	<p>The synthesis of thymosin β_{10} (43 amino acids) is described using a <i>p</i>-cyanotrityl resin; chemical characterization (HPLC, amino acid analysis, ESIMS) and <i>in vitro</i> ELISA test using rabbit polyclonal anti-$T\beta_{10}$ antiserum are described $T\beta_{10}$: Ac-ADKPDMGEIA-SFDKAKLKKKT-ETQEKNLPT-KETIEQEKRS-EIS</p>
<p>977 Dienophilic thioaldehydes and dithioesters formed by base-catalysed cleavage of alkyl phthalimidodisulfanylacetates</p> <p>Gordon W. Kirby, Alistair W. Lohead and Sharon Williamson</p>	 <p>i, Et₃N; ii, 4-dimethylaminopyridine</p>
<p>985 Efficient syntheses of core 1, core 2, core 3 and core 4 building blocks for SPS of mucin <i>O</i>-glycopeptides based on the <i>N</i>-Dts-method</p> <p>Ernst Meinjohanns, Morten Meldal, Axel Schleyer, Hans Paulsen and Klaus Bock</p>	
<p>995 Selective deprotection of phenacyl, benzyl and methyl esters of <i>N</i>-protected amino acids and dipeptides and <i>N</i>-protected amino acids benzyl ester linked to resins with bis(tributyltin) oxide</p> <p>Claudio J. Salomon, Ernesto G. Mata and Oreste A. Mascaretti</p>	 <p>R = Boc, Fmoc or Cbz R² = Bz, Pac, Me, Merrifield, Wang or Pam resins</p>
<p>1001 Solid-phase glycopeptide synthesis of tyrosine-glycosylated glycogenin fragments as substrates for glucosylation by glycogenin</p> <p>Anita M. Jansson, Knud J. Jensen, Morten Meldal, Joseph Lomako, Wieslawa M. Lomako, Carl Erik Olsen and Klaus Bock</p>	 <p>R = </p> <p>Ac-FIYNLSSISIYSYLPFAFKAFGANAK-NH₂</p>

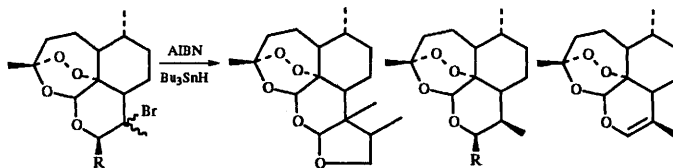
1007 Cyclopropanation of tricarbyl(styrene)chromium(0) and (–)-Ar(1*R*,2*S*)-tricarbyl[2-(trimethylsilyl)-styrene]chromium(0)

Susan E. Gibson (née Thomas), Richard Gil, Frank Precht, Andrew J. P. White and David J. Williams



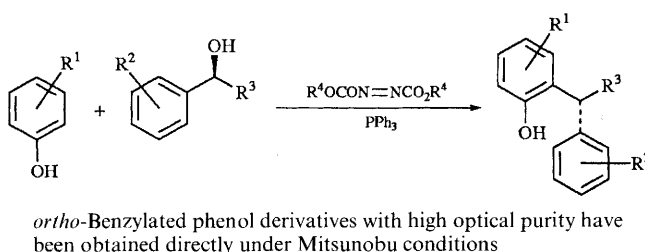
1015 Radical initiated reactions of artemisinin derivatives

Bindumadhavan Venugopalan, Pravin J. Karnik and Shashikant Shinde



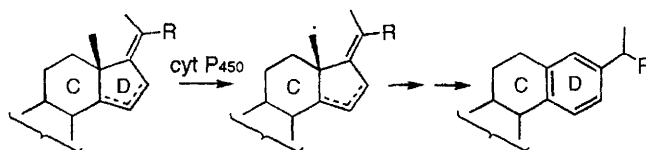
1021 Direct and enantiospecific *ortho*-benzylation of phenols by the Mitsunobu reaction

Shoji Fukumoto, Shigeha Fukushi, Shinji Terao and Mitsuru Shiraishi



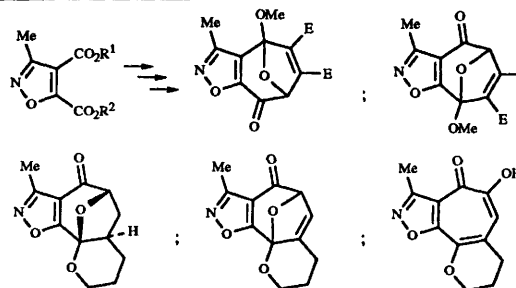
1027 Ring-D aromatic phytosteroids; a model for biogenesis by way of carbon radical rearrangement

Stuart P. Green and Donald A. Whiting



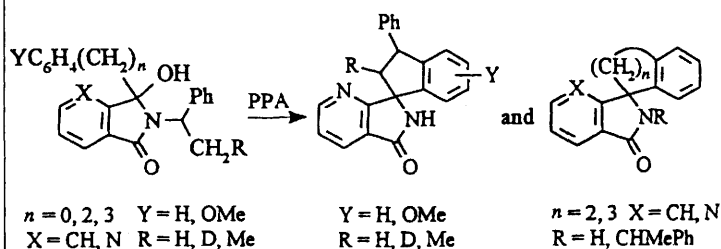
1035 Pyryliumolates II—generation of and cycloaddition reactions with isoxazole annulated pyryliumolates

Carsten Plüg and Willy Friedrichsen



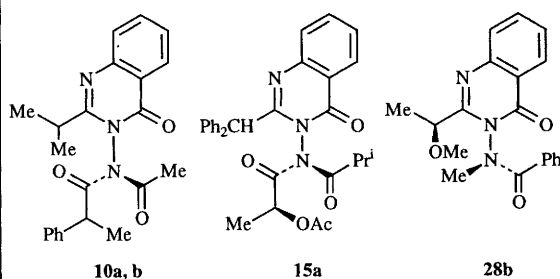
1041 Formation of spiro indane derivatives from hydroxy lactams derived from *N*-(1-phenylethyl)-phthalimide and -pyridine-2,3-dicarboximide

Aboud A. Bahajaj and John M. Vernon



1047 The N–N bond as a chiral axis: 3-diacylamino-quinazolinones as chiral acylating agents

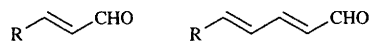
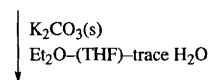
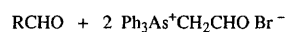
Robert S. Atkinson, Emma Barker, Paul J. Edwards and Gordon A. Thomson



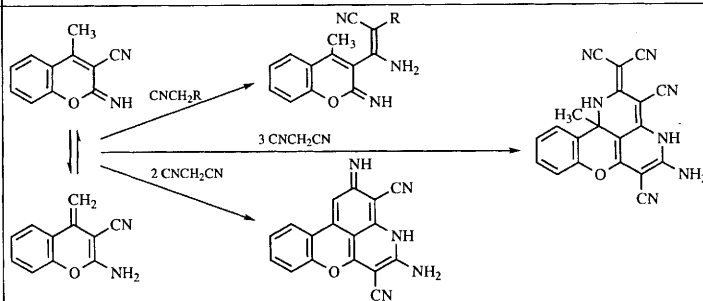
X-Ray crystal structure determinations on **10a,b** (*rac*), **15a** (enantiopure) and **28b** (*rac*) confirm the N–N chiral axes present: **15a** brings about the partial kinetic resolution of 1-phenylethylamine

1057 Synthesis of (*2E,4E*)-dienals by double formyl-olefination with an arsonium salt and its application in the syntheses of lipoxigenase metabolites of arachidonic acid

Zhi-Hui Peng, Yun-Long Li, Wen-Lian Wu, Cui-Xian Liu and Yu-Lin Wu

and application to the syntheses of LXA₄, LXB₄, LTB₄1067 Formation of polyheterocyclic systems by reaction of 2-imino-4-methyl-2*H*-1-benzopyran-3-carbonitrile with active methylene compounds

Conor N. O'Callaghan, T. Brian H. McMurry, John E. O'Brien, Sylvia M. Draper and Deborah J. Wilcock



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Elemental fluorine. Part 4. The use of elemental fluorine for the halogenation of aromatics
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The first synthesis, X-ray structure analysis and reactions of alkenyltriphenylbismuthonium salts
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A Synthesis of 18-*O*-methyl mycalamide beta **P. Kocienski, P. Raubo, J.K. Davis, F.T. Boyle, D.E. Davies** and **A. Richter**

Synthesis, electrochemical and chemical oxidations, and *peri*-selenium participation of macrocyclic polyselenides containing naphthalene ring **H. Fujihara, M. Yabe** and **N. Furukawa**

Intramolecular O-H... π hydrogen bond found in [2.2]metacyclophane systems: Spectral properties and X-ray crystallographic analysis of 8-hydroxymethyl[2.2]metacyclophanes **T. Ishi-i, T. Sawada, S. Mataka** and **M. Tashiro**

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Synthesis and evaluation of photolabile sulfonamides as potential reagents for rapid photorelease of neuroactive amines
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Synthesis of *D*-*scyllo*-inositol 1,2,4-trisphosphate, 1,2,4,5-tetrakisphosphate and phosphorothioate and *DL*-2-deoxy-2-fluoro-*myo*-inositol 1,4,5-trisphosphate: Optical resolution of *DL*-1-*O*-allyl-3,6-di-*O*-benzyl-4,5-*O*-isopropylidene-*scyllo*-inositol
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One-pot synthesis of tetrasubstituted pyrazoles - proof of regiochemistry
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Synthesis of 3-(2,2,2-trifluoroethylidene)lactams. First examples of 1,3-dipolar cycloaddition with diazomethane and *N*-(benzylidene)methylamine *N*-oxide **J.-P. Bouillon, Z. Janousek, H.G. Viehe, B. Tinant** and **J.-P. Declercq**

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Stereoselective addition of organometallic reagents to *N*-tosyl vinyl sulfoximines
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