GRAPHICAL ABSTRACTS

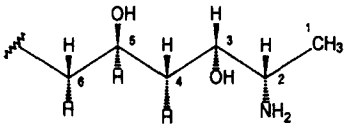
Tetrahedron Letters, **1994**, *35*, 7703

Relative Configuration of the C-1 to C-5 Fragment of Fumonisin B_1

John W. ApSimon*, Barbara A. Blackwell, Oliver E. Edwards and Alain Fruchier

*Ottawa-Carleton Chemistry Institute, Carleton University, Ottawa, Ontario, Canada K1S 5B6.

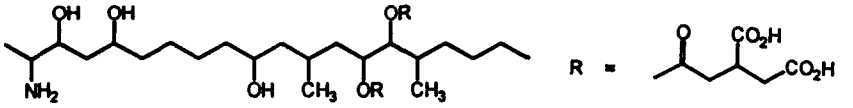
Abstract: Synthesis of the 2,3-carbamate and the 3,5-carbonate-N-p-bromobenzoate derivatives of Fumonisin B_1 have been made in an initial study of the configuration of fumonisins. These have been used to determine the relative configuration of the C-1 to C-5 fragment, as illustrated.



Tetrahedron Letters, **1994**, *35*, 7707

RELATIVE STEREOCHEMISTRY OF FUMONISIN B_1 AT C-2 AND C-3. **Gregory K. Poch, Richard G. Powell,* Ronald D. Plattner and David Weisleder, USDA, Agricultural Research Service, MWA, Bioactive Constituents Research, National Center for Agricultural Utilization Research, 1815 N. University Street, Peoria, IL 61604 USA**

Relative stereochemistry of the mycotoxin fumonisin B_1 at C-2 and C-3 has been established as *threo* by NMR studies of synthetic oxazoline derivatives.

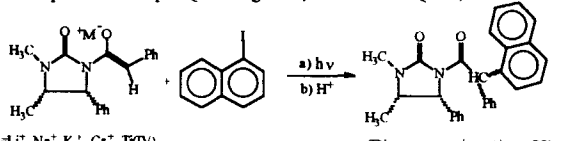


Tetrahedron Letters, **1994**, *35*, 7711

Stereoselective Reaction of a Chiral Assisted Amide Enolate Ion with 1-Iodonaphthalene by the $S_{RN}1$ Mechanism

Guillermo A. Lotz, Sara M. Palacios* and Roberto A. Rossi*

Centro de Química Aplicada and Dpto Quím. Orgánica, Fac. Ciencias Quím., Univ. Nac. de Córdoba, Suc. 16, CC 61, 5016 Córdoba, Argentina

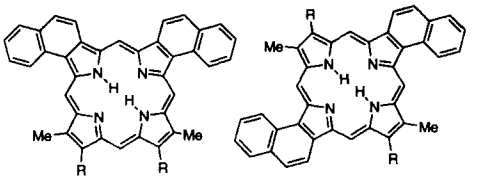


Tetrahedron Letters, **1994**, *35*, 7715

Synthesis of Dinaphthoporphyrins from Dihydronaphtho[1,2-c]pyrroles.

Timothy D. Lash and Tracy J. Roper, Department of Chemistry, Illinois State University, Normal, Illinois 61790-4160, U.S.A.

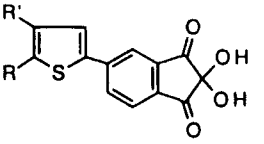
Porphyrins bearing two fused naphthalene rings on the opposite or adjacent pyrrole rings have been synthesized in good overall yields by the MacDonald condensation or by the cyclization of suitably substituted a,c-biladienes.



Tetrahedron Letters, **1994**, *35*, 7719

NOVEL APPROACHES TOWARD NINHYDRIN ANALOGS

Richard R. Hark, Diane B. Hauze, Olga Petrovskaia, and Madeleine M. Joullié*
Department of Chemistry, University of Pennsylvania
Philadelphia, PA 19104-6323
Rabih Jaouhari
QUCHEM, The Queen's University of Belfast, Belfast, BT9 5AG, United Kingdom
Patrick McComiskey
VINIFER Ltd., 10 Malone Road, Belfast, BT9 5BN, United Kingdom



Several 5-arylninhydrins have been prepared using palladium-catalyzed cross-coupling reactions.

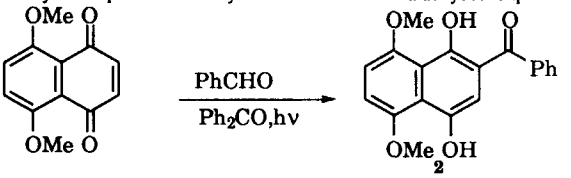
Tetrahedron Letters, **1994**, *35*, 7723

Benzophenone-Mediated Conjugate Additions of Aromatic Aldehydes to Quinones

George A. Kraus* and Peng Liu

Department of Chemistry, Iowa State University, Ames, Iowa 50011

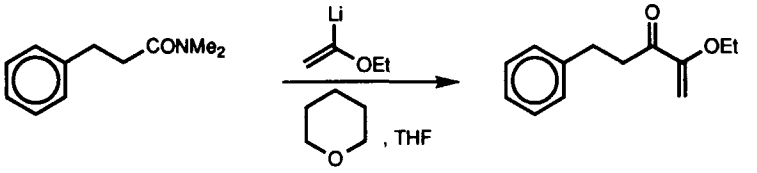
Benzophenone increases the efficiency of the photochemically mediated addition of aldehydes to quinones.



Tetrahedron Letters, **1994**, *35*, 7727

Enolate Free α-Alkoxyvinyllithium Reagents: Improved Preparation and Reaction with N,N-Dialkylcarboxamides

Masanao Shimano and A. I. Meyers*
Department of Chemistry, Colorado State University, Fort Collins, Colorado 80523 USA



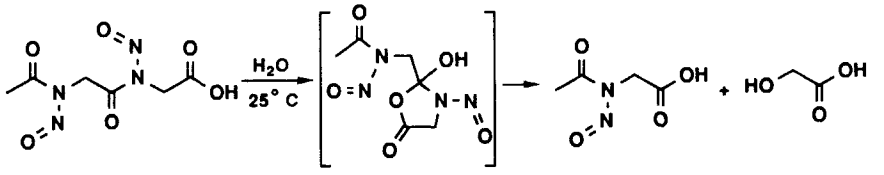
A variety of carboxamides have been transformed as shown (11 examples). No ring metalation or α-deprotonation was observed.

Tetrahedron Letters, **1994**, *35*, 7731

N-Acyl-N-Nitrosoamino Acids and Peptides

Seunguk Paik and Emil H. White*
Department of Chemistry, The Johns Hopkins University, Baltimore, Maryland 21218

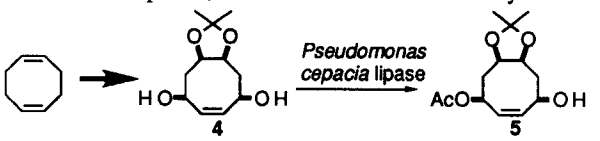
The title compounds were prepared by nitrosation with N_2O_4. The hydrolysis of poly-nitrosopeptides in aqueous solution occurs preferentially from the C-terminus.



Tetrahedron Letters, **1994**, *35*, 7735

Enantioselective Synthesis of 7-Cycloocten-1,3,5,6-tetraol Derivatives by Enzymatic Asymmetrization. C. R. Johnson,* L.S. Harikrishnan and A. Golebiowski, Department of Chemistry, Wayne State University, Detroit, MI 48202

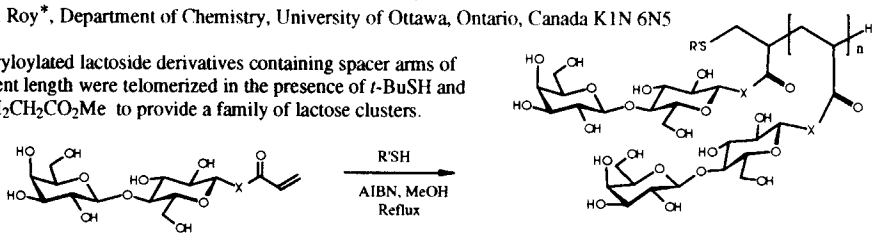
meso-Diol **4**, derived from 1,5-cyclooctadiene, in the presence of *Pseudomonas cepacia* lipase in isopropenyl acetate, afforded enantiopure **5**, a useful intermediate for the synthesis of sugars, etc.



Tetrahedron Letters, **1994**, *35*, 7739

SINGLE STEP SYNTHESES OF LACTOSYLATED CLUSTERS BY TELOMERIZATIONS. S. Aravind, W. K. C. Park, S. Brochu and R. Roy*, Department of Chemistry, University of Ottawa, Ontario, Canada K1N 6N5

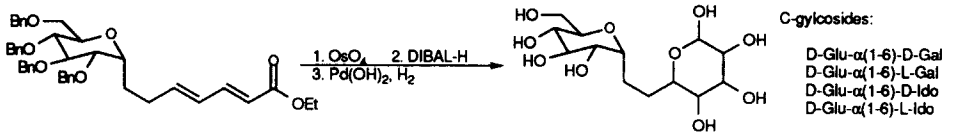
N-Acryloylated lactoside derivatives containing spacer arms of different length were telomerized in the presence of *t*-BuSH and $HSCH_2CH_2CO_2Me$ to provide a family of lactose clusters.



Tetrahedron Letters, **1994**, *35*, 7743

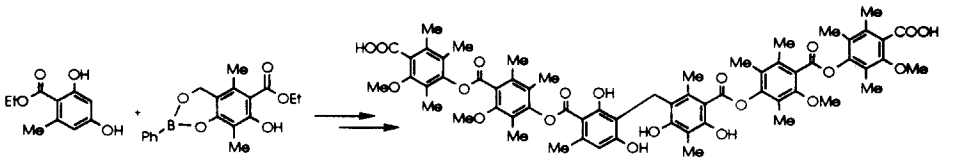
Strategies for the Synthesis of C-disaccharides Containing D and L Sugars. Robert W. Armstrong,* and Daniel P. Sutherlin, Department of Chemistry and Biochemistry, University of California at Los Angeles, Los Angeles, CA, 90024 USA

The osmylation of C-1 homologated diene ester monosaccharides readily affords separable C-disaccharides of diverse but predictable stereochemistry from a single precursor.



Tetrahedron Letters, **1994**, *35*, 7747

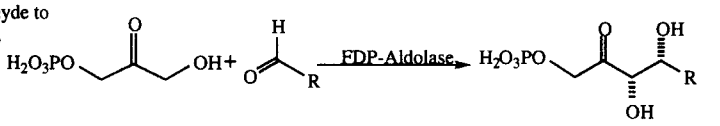
PRACTICAL TOTAL SYNTHESIS OF A NATURALLY OCCURRING THIELOCIN VIA THE REGIOSELECTIVE ARYLATION OF A CYCLIC BORONATE. **Yves Génisson and Robert N. Young***, Merck Frosst Centre for Therapeutic Research, P.O. Box 1005, Pointe Claire-Dorval, Quebec, CANADA, H9R 4P8



Tetrahedron Letters, **1994**, *35*, 7751

Cross-linked Enzyme Crystals of Fructose Diphosphate Aldolase: Development as a Biocatalyst for Synthesis. Susan B. Sobolov*, Anita Bartoszko-Malik, Thomas R. Oeschger and Michelle M. Montelbano, Hall-Atwater Laboratory of Chemistry, Wesleyan University, Middletown, CT 06459-0180

Crystals of rabbit muscle aldolase were grown from 45% saturated ammonium sulfate solutions and cross-linked with glutaraldehyde to produce a biocatalyst that has stability for months, can be reisolated and reused, and has excellent solvent stability. They are also shown to be an excellent catalyst with non-natural substrates.

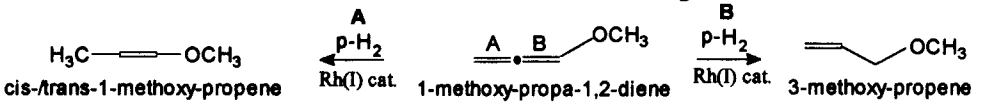


Tetrahedron Letters, **1994**, *35*, 7755

In situ NMR Study of the Rhodium(I)-Catalyzed Hydrogenation of the Allene 1-Methoxy-propa-1,2-diene Using Parahydrogen

A. Harthun and J. Bargon*,Institute of Physical and Theoretical Chemistry, University of Bonn, Wegelerstrasse 12, D-53115 Bonn, Germany; R. Selke, Max-Planck-Gesellschaft, Division of "Asymmetric Catalysis", University of Rostock, Buchbinderstrasse 5-6, D-18055 Rostock, Germany

The homogeneous hydrogenation of the donor activated allene 1-methoxy-propa-1,2-diene is investigated via in situ ^{1}H-NMR spectroscopy using different rhodium(I) catalysts and parahydrogen (p-H_2).



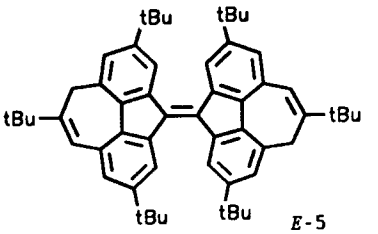
Tetrahedron Letters, **1994**, *35*, 7759

Dynamic Behavior of 2,2',6,6',9,9'-Hexa-*tert*-butyl-8,8'-dihydro-4,4'-bi-cyclohepta[def]fluorenylidene, a Substituted Bifluorenylidene

Udo Grieser, Klaus Hafner*

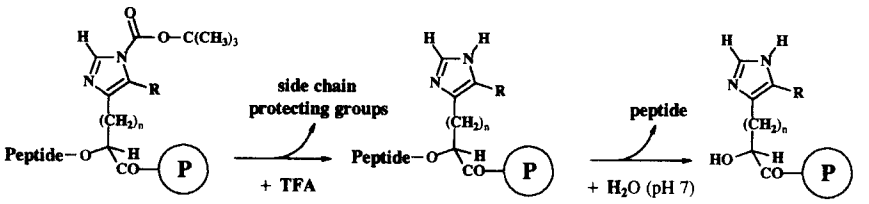
Institut für Organische Chemie, Technische Hochschule Darmstadt, Petersenstraße 22, D-64287 Darmstadt, Germany

The title compound **5** was synthesized and its racemization was investigated by variable temperature NMR.



Tetrahedron Letters, **1994**, *35*, 7763

A New Safety-Catch Peptide-Resin Linkage for the Direct Release of Peptides into Aqueous Buffers. Stefan Hoffmann and Ronald Frank, *GBF* (Gesellschaft für Biotechnologische Forschung mbH), Mascheroder Weg 1, D-38124 Braunschweig, Germany

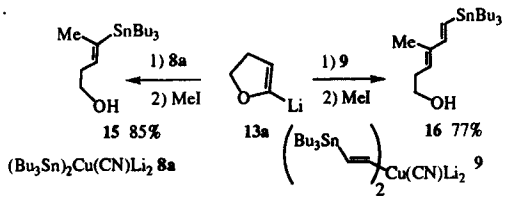


Tetrahedron Letters, **1994**, *35*, 7767

1,2-Metallate rearrangements:
Stannyl and (Stannyl)Vinyl Transfers.

Patrick Le Ménez, Valérie Fargeas, Jacques Poisson, Janick Ardisson *.
Laboratoire de Chimie des Substances Thérapeutiques Naturelles, associé au CNRS, *BIOCIS*, Centre d'Etudes Pharmaceutiques, 92290, Châtenay- Malabry France.
Jean-Yves Lallemand, Ange Pancrazi *.
Laboratoire de Synthèse Organique, associé au CNRS, DCSO, Ecole Polytechnique, 91128, Palaiseau, France.

A 1,2-metallate rearrangement was performed on dihydrofuran **13a** using **8a** and **9** cuprates, to lead, after methylation, to the corresponding stannyl compounds **15** and **16** in high yields.

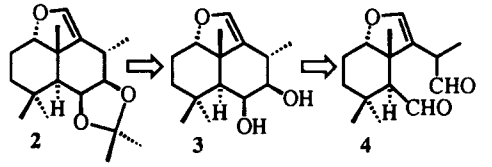


Tetrahedron Letters, **1994**, *35*, 7771

Intramolecular Coupling Reaction Promoted by SmI2 in a Synthetic Approach of Forskolin.

Claude Anies, Ange Pancrazi*, Jean-Yves Lallemand.
Laboratoire de Synthèse Organique associé au CNRS, DCSO, Ecole Polytechnique, 91128, Palaiseau, France.
Thierry Prangé. Laboratoire de Chimie Structurale Biomoléculaire, Université Paris Nord, 74 rue Marcel Cachin, 93012 Bobigny, France.

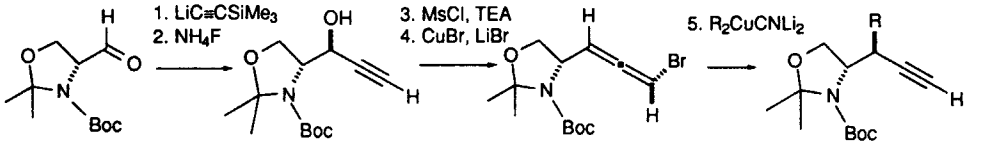
In a synthetic approach of forskolin **1**, a stereocontrolled pinacolic coupling reaction on dialdehyde **4** using SmI_2 gave the cyclic *cis*-6β-7β diol **3**.



Tetrahedron Letters, **1994**, *35*, 7775

1,3-DIASTEREOCONTROL WITH BROMOALLENES. SYNTHESIS OF ENANTIOMERICALLY PURE β-BRANCHED α-AMINO ACIDS

Fabiana D'Aniello[a], André Mann[a]*, Maurizio Taddei[b] and Camille-Georges Wermuth[a].
a. Laboratoire de Pharmacochimie Moléculaire, Centre de Neurochimie du CNRS, 5, rue B. Pascal, F-67084 Strasbourg, France.
b. Dipartimento di Chimica Organica "Ugo Schiff", Università di Firenze, via G. Capponi 9, I-50121, Firenze, Italy.

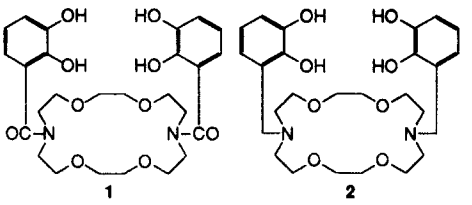


Tetrahedron Letters, **1994**, *35*, 7779

SYNTHESIS OF MACROCYCLIC DITOPIC RECEPTORS DESIGNED FOR SIMULTANEOUS BINDING OF ALKALINE AND TRANSITION METAL CATIONS

Ernest Graf, Mir Wais Hosseini* and Romain Ruppert
Université Louis Pasteur, Institut Le Bel, 4, rue Blaise Pascal, F-67000 Strasbourg, France

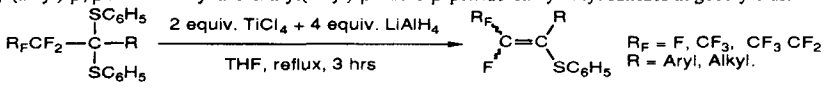
The synthesis of diazatetraoxacyclooctadecane derivatives bearing two catechol groups was achieved in good yield.



Tetrahedron Letters, **1994**, *35*, 7783

EFFICIENT SYNTHESIS OF NOVEL α-ARYL(ALKYL)-β, β-DIFLUOROVINYL AND α-ARYL(ALKYL)-β-FLUORO-β-PERFLUOROALKYLVINYL SULFIDES. In Howa Jeong*[a], Yong Ki Min[b], Young Sup Kim[b], Bum Tae Kim*[b], and Kwang Yun Cho[b], [a] Department of Chemistry, Yonsei University, Kangwon-do 222-701, Korea , [b] Korea Research Institute of Chemical Technology, Daejeon 305-606, Korea.

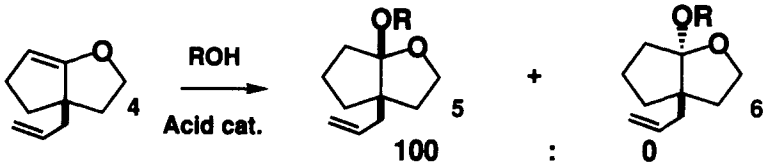
Reaction of 1,1-bis(phenylthio)perfluoroalkyl aromatics or alkans with mixture of 2 equiv. of $TiCl_4$ and 4 equiv. of $LiAlH_4$ provided α-aryl(alkyl)-β, β-difluorovinyl and α-aryl(alkyl)-β-fluoro-β-perfluoroalkylvinyl sulfides in good yields.



Tetrahedron Letters, **1994**, *35*, 7785

A NEW ALKENYL ETHER GIVING ACETAL WITH STEREOSPECIFIC MANNER. Hisao Nemoto, *Department of Applied Molecular Science, Okazaki Institute for Molecular Science, Okazaki, Aichi 444, Japan*

The alkenyl ether **4** can stereospecifically produce the acetal **5**.

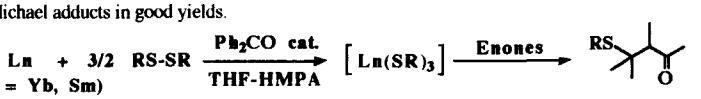


Tetrahedron Letters, **1994**, *35*, 7789

Facile Formation of Lanthanoid(III) Thiolates from Benzophenone-Catalyzed Reaction of Lanthanoid Metals and Disulfides, and Their Use as Sulfenylating Reagents

Yuki Taniguchi,* Masafumi Maruo, Ken Takaki,* and Yuzo Fujiwara,* Department of Applied Chemistry, Faculty of Engineering, Hiroshima University, 1-4-1 Kagamiyama, Higashi-Hiroshima 724, Japan

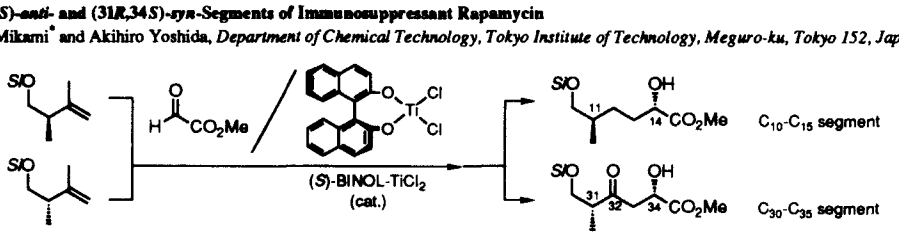
Lanthanoid metal reacts with dialkyl disulfide in the presence of a catalytic amount of $Ph_2C{=}O$ to generate lanthanoid thiolates, which react with enones to give Michael adducts in good yields.



Tetrahedron Letters, **1994**, *35*, 7793

1,4-Remote Stereocontrol by Asymmetric Catalytic Carbonyl-Ene Reaction with Chiral Homoallylic Ethers: An Application to the Asymmetric Synthesis of (11*R*,14*S*)-*anti*- and (31*R*,34*S*)-*syn*-Segments of Immunosuppressant Rapamycin

Koichi Mikami* and Akihiro Yoshida, *Department of Chemical Technology, Tokyo Institute of Technology, Meguro-ku, Tokyo 152, Japan*

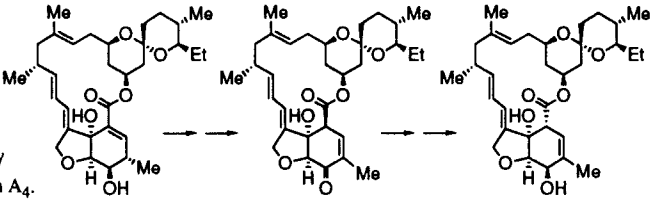


Tetrahedron Letters, **1994**, *35*, 7797

Regeneration of the Milbemycin's C_2-C_4 Structural Arrangement from Δ^2-Milbemycin.

Satoru Naito,* Yuka Owatari and Akio Saito
Medicinal Chemistry Research Laboratories,
Sankyo Co., Ltd., Tokyo 140, Japan

A procedure is reported for enhanced efficiency in converting Δ^2-milbemycin A_4 to milbemycin A_4.

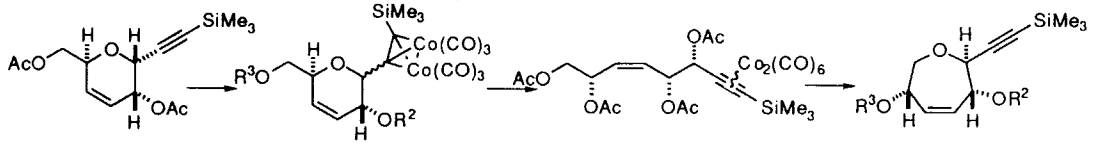


Tetrahedron Letters, **1994**, *35*, 7801

Opening of Dihydropyran and Recyclizing to Dehydrooxepane through C-1 Alkynyl Cobalt Complex ---- A New Method toward Marine Polyether Toxins

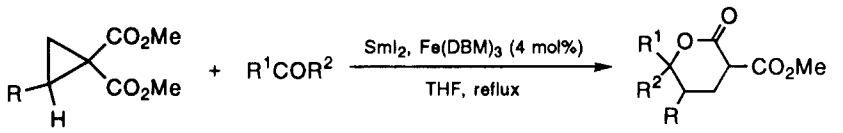
S. Tanaka, M. Isobe,* Lab. of Organic Chemistry, School of Agricultural Sciences, Nagoya University, Chikusa, Nagoya 464-01, Japan

Two sugar derivatives with alkynyl group as dicobalt hexacarbonyl complex yielded the open-chain compounds, one of which was further cyclized into dehydrooxepane ring with high stereospecificity.



Tetrahedron Letters, **1994**, *35*, 7805

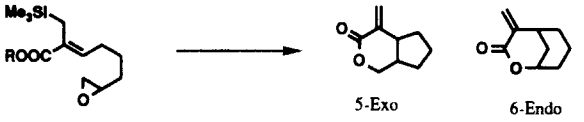
SAMARIUM(II) IODIDE PROMOTED REDUCTIVE RING OPENING REACTION OF CYCLOPROPANE-1,1-DICARBOXYLIC ESTERS. SYNTHESIS OF SUBSTITUTED 5-PENTANOLIDES FROM CARBONYL COMPOUNDS AND DIMETHYL CYCLOPROPANE-1,1-DICARBOXYLATES. Tsuneo Imamoto,* Toshihiko Hatajima, and Takeshi Yoshizawa, Department of Chemistry, Faculty of Science, Chiba University, Inage, Chiba 263, Japan



Tetrahedron Letters, **1994**, *35*, 7809

INTRAMOLECULAR REACTION OF β-(ALKOXYCARBONYL)-ALLYLSILANE WITH EPOXIDE INTO α-METHYLENE-δ-LACTONES FUSED TO CARBOCYCLES

Kiyoshi Nishitani, Yasuko Harada, Yukitaka Nakamura, Kumiko Yokoo and Koji Yamakawa*
Faculty of Pharmaceutical Sciences, Science University of Tokyo, Ichigaya-Funagawara, Shinjuku-ku, Tokyo 162, Japan



Tetrahedron Letters, **1994**, *35*, 7813

AN ENANTIOSELECTIVE SYNTHESIS OF THE A-RING FRAGMENT OF TAXOL

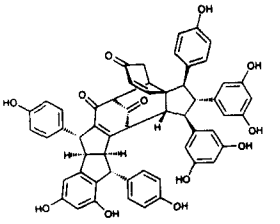
Takashi Nakamura, Nobuaki Waizumi, Yoshiaki Horiguchi, and Isao Kuwajima*
Department of Chemistry, Tokyo Institute of Technology, Meguro, Tokyo 152, Japan

The A-Ring fragment of taxol, α-hydroxy aldehyde, was enantioselectively prepared by using the Sharpless asymmetric dihydroxylation of the enol silyl ether.

Tetrahedron Letters, **1994**, *35*, 7817

A NOVEL STILBENE TETRAMER, LEACHIANOL C, FROM *SOPHORA LEACHIANA* Masayoshi Ohyama, Toshiyuki Tanaka and Munekazu Iinuma, Department of Pharmacognosy, Gifu Pharmaceutical Unversity, Mitahora-higashi 5-6-1, Gifu 502, Japan

A novel resveratrol tetramer, leachianol C, was isolated from the roots of *Sophora leachiana*. The structure and the relative stereochemistry were determined by means of 2D NMR spectroscopy including PSNOESY.

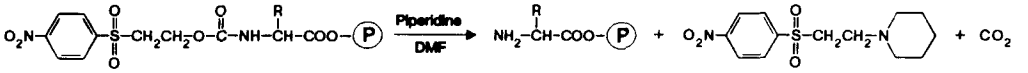


Tetrahedron Letters, **1994**, *35*, 7821

2-(4-Nitrophenyl)sulfonylethoxycarbonyl (Nsc) Group As a Base-Labile α-Amino Protection for Solid Phase Peptide Synthesis

Vladimir V. Samukov*, Aydar N. Sabirov and Pavel I. Pozdnyakov
Vektor-BioProduct, Ltd., Koltsovo, Novosibirsk Reg., 633159 Russia

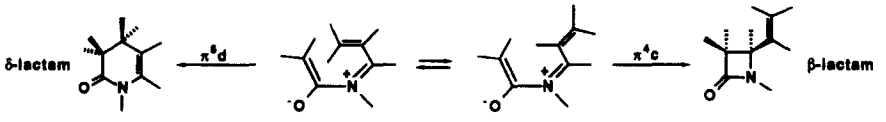
Effectiveness of the new protective group was proven by the solid phase synthesis of the dodecapeptide Ala-Ser-Ser-Thr-Ile-Ile-Lys-Glu-Gly-Ile-Asp-Lys



Tetrahedron Letters, **1994**, *35*, 7825

THEORETICAL AND EXPERIMENTAL STUDIES ON THE PERISELECTIVITY OF THE CYCLOADDITION REACTION BETWEEEN ACTIVATED KETENES AND CONJUGATED IMINES. Iosune Arrastia, Ana Arrieta, Jesus M. Ugalde, and Fernando P. Cossío* Kimika Fakultatea. Euskal Herriko Unibertsitatea. P.K. 1072, 20080 San Sebastián-Donostia. Spain.Begoña Lecea Farmazi Fakultatea. Euskal Herriko Unibertsitatea. Lasarteko ataria z/g. 01007 Vitoria-Gasteiz. Spain.

Theoretical and experimental studies on the cycloaddition between methoxyketene and a model conjugated imine predict the preferential formation of the [2+2] cycloadduct. A configuration interaction level of theory is required to reproduce correctly the observed periselectivity.

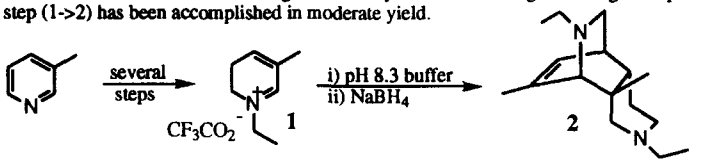


Tetrahedron Letters, **1994**, *35*, 7829

A Biomimetic Approach to the Manzamine Alkaloids; Model Studies

Jack E. Baldwin*, Tim D.W. Claridge, Florian A. Heupel and Roger C. Whitehead
The Dyson Perrins Laboratory, South Parks Road, Oxford OX1 3QY, UK.

An approach to the manzamine alkaloids based on a biogenetic theory has been investigated using a simple model system and the key cycloaddion step (1->2) has been accomplished in moderate yield.

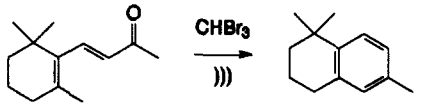


Tetrahedron Letters, **1994**, *35*, 7833

ULTRASOUND-MEDIATED REARRANGEMENT OF β-IONONE TO 1,1,6-TRIMETHYL-1,2,3,4-TETRAHYDRONAPHTHALENE.

Johan J.W. Eshuis, Unilever Research Laboratorium Vlaardingen,
Olivier van Noortlaan 120, 3133 AT Vlaardingen, The Netherlands.

Sonication of β-ionone in $CHBr_3$ yields 1,1,6-trimethyl-1,2,3,4-tetrahydronaphtalene.

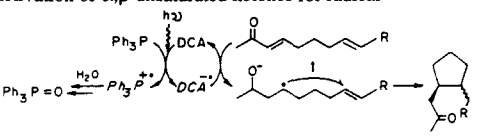


Tetrahedron Letters, **1994**, *35*, 7837

Visible Light Initiated Photosensitised Electron Transfer (PET) Reductive β-Activation of α,β-Unsaturated Ketones for Radical Cyclisation: A new Concept in Promoting Radical Reactions

Ganesh Pandey*, Saumen Hajra and Manas K. Ghorai
Division of Organic Chemistry(Syn), National Chemical Laboratory, Pune-411 008, INDIA.

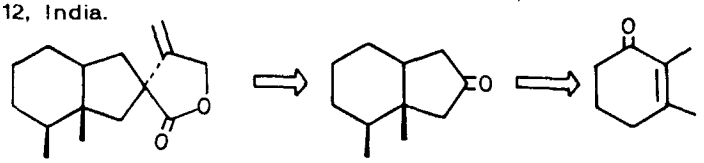
Photosensitised one electron reductive β-activation of α,β-unsaturated ketones for radical cyclisations are reported.



Tetrahedron Letters, **1994**, *35*, 7841

A STEREOSELECTIVE TOTAL SYNTHESIS OF BAKKENOLIDE-A (FUKINANOLIDE)

A. Srikrishna, T.J. Reddy, S. Nagaraju and J.A. Sattigeri
Department of Organic Chemistry, Indian Institute of Science,
Bangalore - 560 012, India.

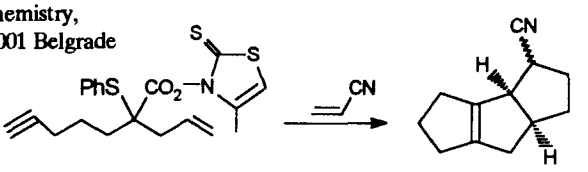


Tetrahedron Letters, **1994**, *35*, 7845

SEQUENTIAL FREE RADICAL SYNTHESIS OF A LINEAR TRIQUINANE SKELETON FROM AN ACYCLIC SYNTHON

Radomir N. Saičić* and Živorad Čeković, Faculty of Chemistry, University of Belgrade, Studentski trg 16, POB 550, 11001 Belgrade and ICTM, Center for Chemisty, Belgrade, YU

Homolytic decomposition of the thiohydroxamic ester **1** in presence of acrylonitrile is shown to produce the triquinane system **2** by a sequential free radical reaction.



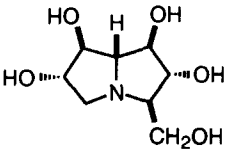
1 **2**

Tetrahedron Letters, **1994**, *35*, 7849

Casuarine: A Very Highly Oxygenated Pyrrolizidine Alkaloid

R. J. Nash,* P. I. Thomas, R. D. Waigh,G. W. J. Fleet, M. R. Wormald, P. M. de Q. Lilley and D. J. Watkin
Environmental Biology Department, Institute of Grassland and Environmental Research, Plas Gogerddan, Aberystwyth, Dyfed SY23 3EB, UK; Department of Pharmaceutical Sciences, University of Strathclyde, 204, George Street, Glasgow G1 1XW; Dyson Perrins Laboratory, South Parks Road, Oxford OX1 3QY UK; Glycobiology Institute, Biochemistry Department, South Parks Road, Oxford OX1 3QU; Chemical Crystallography Laboratory, Oxford University, 9 Parks Road, Oxford OX1 3PD UK

The isolation from *Casuarina equisetifolia* L. (Casuarinaceae) bark of casuarine (1R,2R,3R,6S,7S,7aR)-3-(hydroxymethyl)-1,2,6,7-tetrahydroxypyrrolizidine is reported.

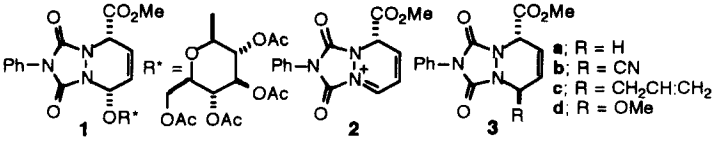


Tetrahedron Letters, **1994**, *35*, 7853

REGIO- AND STEREO-SELECTIVE INTERMOLECULAR INTERCEPTIONS OF A CONJUGATED *N*-ACYLHYDRAZONIUM ION

Phillip M. Cowley and Richard J. Stoodley*, Department of Chemistry, UMIST, PO Box 88, Manchester M60 1QD, UK
Glynn Mitchell, ZENECA Agrochemicals, Jealott's Hill Research Station, Bracknell, Berkshire, RG12 6EY, UK

Under acidic conditions, **1** is converted into the intermediate ion **2**, which undergoes reduction to give **3a**, cyanation to afford **3b**, allylation to yield **3c**, and methoxylation to furnish **3d**.



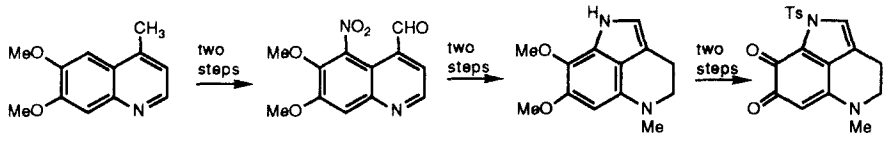
1 **2** **3**

Tetrahedron Letters, **1994**, *35*, 7857

SYNTHESIS OF DAMIRONES A AND B FROM A QUINOLINE

David Roberts,[a] Lennart Venemalm,[a] Mercedes Alvarez,[b] and John A. Joule[a]*

a Chemistry Department, University of Manchester, Manchester M13 9PL, U. K.
b Laboratorio de Química Orgánica, Facultad de Farmacia, Universidad Barcelona, 08028 Barcelona, Spain.



TRI-*n*-BUTYLTIN HYDRIDE MEDIATED DEHALOGENATION IN WATER

Tetrahedron Letters, **1994**, *35*, 7861

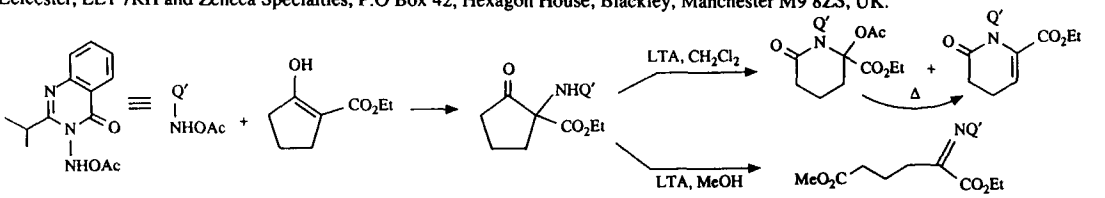
Uday Maitra* and Koushik Das Sarma

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

Tri-n-butyltin hydride in aqueous suspension has been found to reduce a variety of organic halides.

Tetrahedron Letters, **1994**, *35*, 7863

Preparation of Cyclic α-(3,4-Dihydro-2-isopropyl-4-oxoquinazolin-3-yl)amino-β-ketoesters : Further Oxidation with Lead Tetra-acetate in Dichloromethane and in Methanol Leading to Ring-Expansion and Ring-Cleavage Products, Respectively. Robert S. Atkinson*, Emma Barker, Paul J. Edwards and Gordon A. Thomson, Department of Chemistry, The University, Leicester, LE1 7RH and Zeneca Specialties, P.O Box 42, Hexagon House, Blackley, Manchester M9 8ZS, UK.

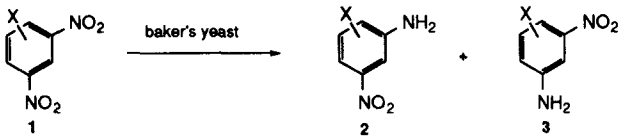


Tetrahedron Letters, **1994**, *35*, 7867

REGIOSELECTIVE REDUCTION OF SUBSTITUTED DINITROARENES USING BAKER'S YEAST.

Claire L. Davey[1], Lawson W. Powell[2], Nicholas J. Turner[1]*, and Andrew Wells[3],
1. Department of Chemistry, University of Exeter, Stocker Road, Exeter EX4 4QD. 2. SmithKline Beecham Pharmaceuticals, Clarendon Road, Worthing, West Sussex BN14 8QH. 3. SmithKline Beecham Pharmaceuticals, Old Powder Mills, Tonbridge, Kent TN11 9AN.

Substituted dinitroarenes have been reduced regioselectively using baker's yeast. A possible mechanism is proposed to account for these reductions.

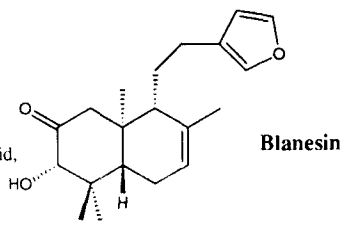


Tetrahedron Letters, **1994**, *35*, 7871

CHEMICAL DIVERSITY IN THE MEDITERRANEAN SPONGE *RASPACIONA ACULEATA*: STRUCTURE AND ABSOLUTE STEREOCHEMISTRY OF BLANESIN

M. Letizia Ciavatta, Enrico Trivellone, Guido Cimino-Istituto per la Chimica di Molecole di Interesse Biologico-Via Toiano, 6 80072 Arco Felice Napoli
Maria Uriz-Centre d'Estudis Avancats de Blanes,
Camì de Santa Barbara, Blanes, Spain

Specimen of the marine sponge *Raspaciona aculeata* contains a new furano-*ent*-labdane diterpenoid, blanesin, whereas other specimens of the same sponge co-occuring in the same habitat contain completely different metabolites.



Blanesin