

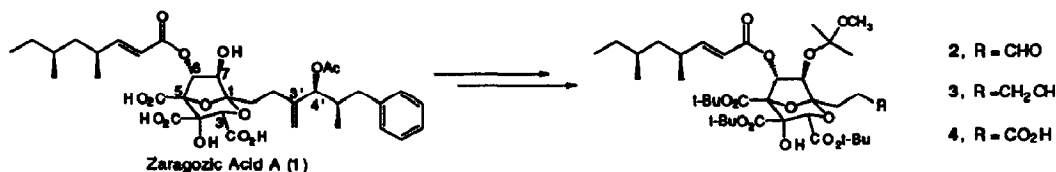
GRAPHICAL ABSTRACTS

Tetrahedron Letters, 1994, 35, 2451

Degradation of the C1 Side Chain of Zaragozic Acid A

Robert W. Marquis*, Sandra P. Plevyak, Gregory D. Berger and William H. Parsons
Merck Research Laboratories, P.O. Box 2000, Rahway, New Jersey 07065

Abstract: The chemoselective degradation of the C1 sidechain of the natural product squalene synthase inhibitor zaragozic acid A (1) is described. Key to this degradation sequence is the selective ozonolysis of the C3' olefin. The degraded sidechain provides convenient intermediates for additional synthetic studies with this class of natural products.

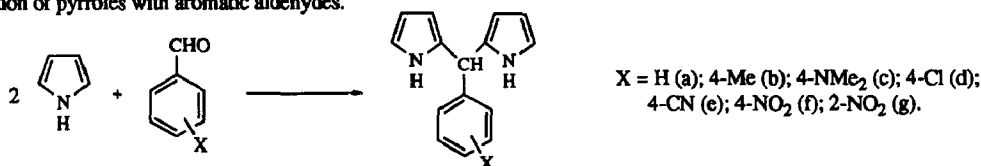


Tetrahedron Letters, 1994, 35, 2455

DIRECT SYNTHESIS OF ARYLDIPYRROMETHANES

Stephen J. Vigmond, Martin C. Chang, Krishna M.R. Kallury and Michael Thompson*, Dept. of Chemistry, University of Toronto, Toronto, Ontario, Canada M5S 1A1

Under acidic conditions and low temperatures, aryldipyrromethanes may be isolated from the direct condensation of pyrroles with aromatic aldehydes.

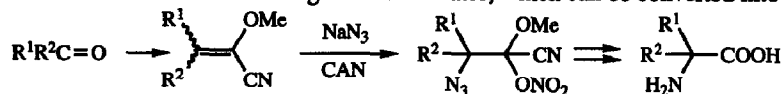


Tetrahedron Letters, 1994, 35, 2459

Synthesis of α -Amino Acids by Addition of Putative Azido Radicals to α -Methoxy Acrylonitriles Derived From Aldehydes and Ketones

Derrick L.J. Clive* and Nola Etkin
Chemistry Department, University of Alberta, Edmonton, Alberta, Canada T6G 2G2

α -Methoxy acrylonitriles, available from aldehydes and ketones, react with sodium azide in the presence of ceric ammonium nitrate to give azido nitrates, which can be converted into α -amino acids.

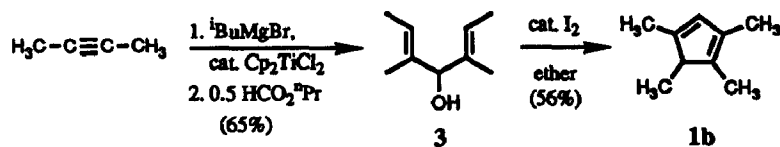


Tetrahedron Letters, 1994, 35, 2463

AN IMPROVED SYNTHESIS OF TETRAMETHYLCYCLOPENTADIENE

Charles M. Garner, Mark E. Prince,
Department of Chemistry, Baylor University, Waco, TX 76798

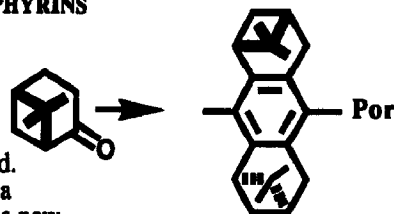
A rapid and relatively efficient two-step synthesis of tetramethylcyclopentadiene from 2-butyne is described.



A NEW "5+1" ROUTE TO ARENES. APPLICATION TO THE FACILE SYNTHESIS OF D₄-SYMMETRIC CHIRAL PORPHYRINS

Tetrahedron Letters, 1994, 35, 2465

John Barry and Thomas Kodadek*
Department of Chemistry and Biochemistry
University of Texas at Austin, Austin, Texas 78712

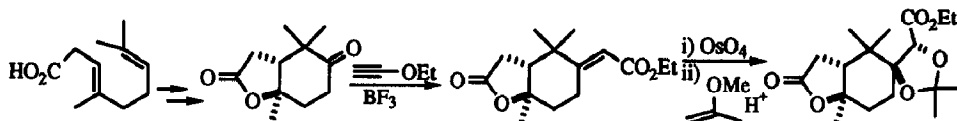


A new synthesis of bis-annulated aromatic rings is presented. It employs a novel "5+1" ring-forming reaction that inserts a vinyl stannane into a methylene-linked bis-enol triflate. This new methodology is employed in the facile construction of a new chiral porphyrin derived from R-(+)-nopinone.

**Concise Synthesis of a Taxol A-Ring Synthon:
Formation of a 1,2-Alkylidene Linkage via Acetylene Chemistry**

Tetrahedron Letters, 1994, 35, 2469

D. Crich* and J. Z. Crich, Dept. of Chemistry, Univ. Illinois at Chicago, 845 W. Taylor St., Chicago, IL 60607-7061, USA



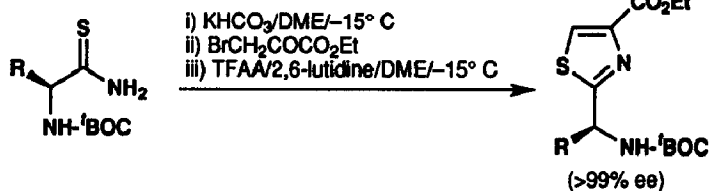
Reinvestigation of a Modified Hantzsch Thiazole Synthesis

Tetrahedron Letters, 1994, 35, 2473

Enrique Aguilar and A. I. Meyers*

Department of Chemistry, Colorado State University, Ft. Collins, CO 80523, USA

The reaction conditions of a modified Hantzsch reaction are reinvestigated to provide enantiomerically pure thiazole amino acid derivatives.



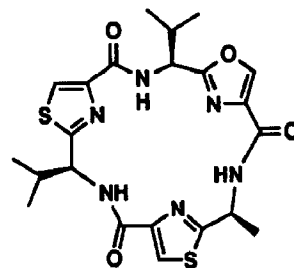
Total Synthesis of (-)-Bistatramide C

Tetrahedron Letters, 1994, 35, 2477

Enrique Aguilar and A. I. Meyers*

Department of Chemistry, Colorado State University, Ft. Collins, CO 80523, USA

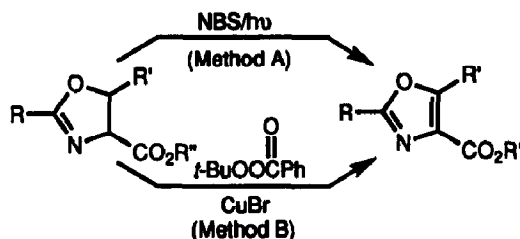
The total synthesis of macrocyclic hexapeptide Bistatramide C has been accomplished by coupling optically pure thiazole and oxazole amino acids.



The Oxidation of 2-Oxazolines to 1,3-Oxazoles

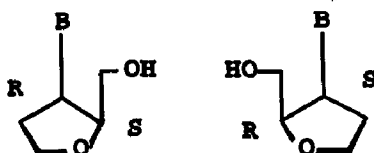
A. I. Meyers* and Francis Tavares
Department of Chemistry, Colorado State University,
Fort Collins, Colorado 80523 U.S.A.

Two methods (A, B) to oxidize oxazolines to 1,3-oxazoles in good yields are described.



SYNTHESIS OF NOVEL 3'-ISOMERIC DIDEOXYNUCLEOSIDES

Zoraida M. Nuesca and Vasu Nair,* Department of Chemistry, University of Iowa, Iowa City, Iowa 52242, U.S.A.



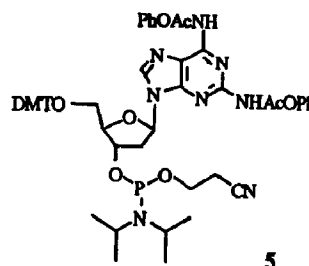
Synthetic approaches to both optical isomers of a new family of 3'-isodideoxynucleosides from chiral carbohydrate precursors.

Tetrahedron Letters, 1994, 35, 2485

STABILIZATION OF DNA:DNA AND DNA:RNA DUPLEXES BY SUBSTITUTION OF 2'-DEOXYADENOSINE WITH 2'-DEOXY-2-AMINOADENOSINE

Sergei Gryaznov and Ronald G. Schultz
Lynx Therapeutics, Foster City, CA 94404

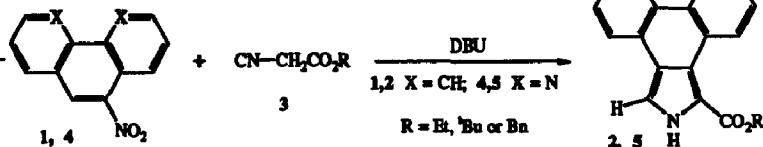
A fully protected deoxy-2-aminoadenosine phosphoramidite (**5**) is prepared and incorporated into homo- and mixed-base oligonucleotides for studies of their binding affinities to complementary DNA and RNA.



Synthesis of Phenanthropyrroles and Phenanthrolinopyrroles from Isocyanacetates: An Extension of the Barton-Zard

Pyrrole Condensation. Timothy D. Lash,* Bennett H. Novak and Yanning Lin,
Department of Chemistry, Illinois State University, Normal, Illinois 61790-4160, U.S.A.

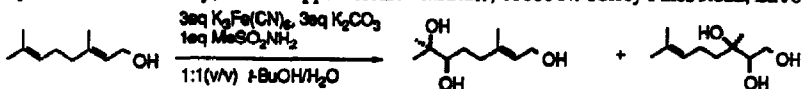
9-Nitrophenanthrene (**1**) and 5-nitro-1,10-phenanthroline (**4**) condensed with esters of isocyanacetic acid **3** in the presence of one equivalent of DBU to give the corresponding phenanthropyrroles **2** and phenanthrolinopyrroles **5**, respectively, in excellent yields.



STUDY OF THE REGIO- AND ENANTIOSELECTIVITY OF THE REACTIONS OF OSMIUM TETROXIDE WITH ALLYLIC ALCOHOLS AND ALLYLIC SULFONAMIDES

Daqiang Xu, Christine Y. Park and K. Barry Sharpless*

Department of Chemistry, The Scripps Research Institute, 10666 N. Torrey Pines Road, La Jolla, CA 92037



5% OsO ₄ , NO ligand, RT	4	:	1
1% OsO ₄ , 5% quinuclidine, RT	9	:	1
1% OsO ₄ , 5% (DHQD) ₂ -PHAL, 0 °C	≥49	:	1 (89% yield, 94% ee)

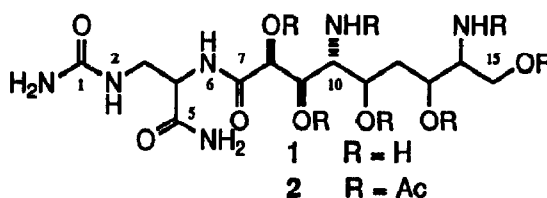
Zwittermicin A, an Antifungal and Plant Protection Agent from *Bacillus cereus*

Haiyin He†, Laura A. Silo-Suh†,

Jo Handelsman‡*, Jon Clardy‡*

†Department of Chemistry, Cornell University, Ithaca, NY 14853-1301, USA

‡Department of Plant Pathology, University of Wisconsin, Madison, WI 53706, USA

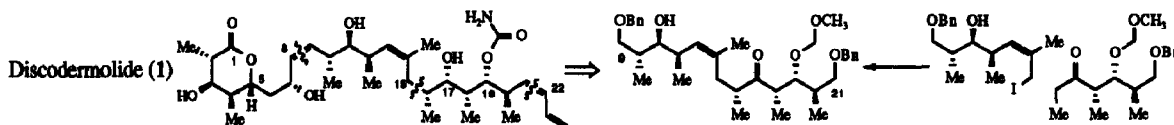


Summary: Zwittermicin A (1), a new linear aminopolyol, was isolated from *Bacillus cereus* UW85 and its structure was determined by spectroscopic methods.

The Synthesis of the C-9 to C-21 Sector of Discodermolide:
An Efficient Route to the C-13-14 Z-Trisubstituted Alkene. Ge Yang and David C. Myles,*

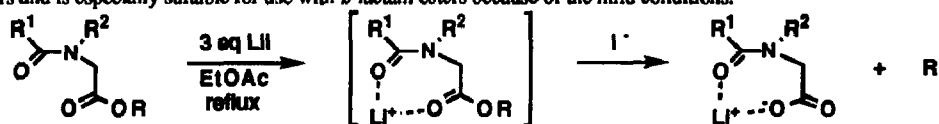
Department of Chemistry and Biochemistry, UCLA, Los Angeles, California 90024-1569, USA

The synthesis of the C-9 to C-15 subunit of discodermolide and its use in the synthesis of the C-9 to C-21 sector of the immunosuppressive marine natural product discodermolide are described.


IODIDE DEALKYLATION OF BENZYL, PMB, PNB, AND *t*-BUTYL *N*-ACYL AMINO ACID ESTERS VIA LITHIUM ION COORDINATION

Jack W. Fisher* and Kristina L. Trinkle, Chemical Process Research and Development Division, Lilly Research Laboratories, A Division of Eli Lilly and Company, Indianapolis, IN 46285-4813 USA

Lithium iodide promotes ester dealkylation in compounds containing an amide carbonyl in the γ -position to the ester carbonyl, as is found in *N*-acyl amino acid esters. Activation of the ester carbonyl via lithium ion coordination is facilitated by aprotic non-polar solvents such as THF and EtOAc. This process is not limited to methyl esters but readily dealkylates benzyl, PMB, PNB, and *t*-butyl esters and is especially suitable for use with β -lactam esters because of the mild conditions.



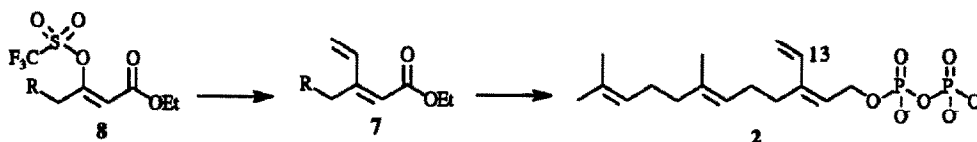
R = Benzyl, *p*-Methoxybenzyl (PMB), *p*-Nitrobenzyl (PNB), *t*-Butyl, Me

A Pd(0)-Catalyzed Route to 13-Methylidenefarnesyl Diphosphate

Richard A. Gibbs* and Usha Krishnan

Dept. of Pharmaceutical Sciences, Wayne State University, Detroit, MI 48202.

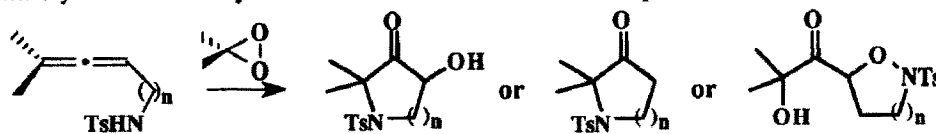
The Pd(0)/CuI-catalyzed coupling of **8** with vinyltributyltin proceeded in a highly stereoselective manner to give **7**, which was then converted to the FPP analog **2**.

**Oxidative Cyclizations of Allenic Sulfonamides with Dimethyldioxirane**

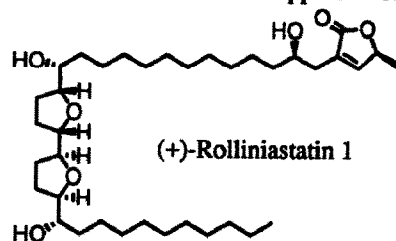
Jack K. Crandall* and Thierry Reix

Department of Chemistry, Indiana University, Bloomington, IN 47405

The dimethyldioxirane oxidations of allenic amine derivatives give highly functionalized nitrogen heterocycles derived from cyclizations of intermediate allene mono- and diepoxides.

**Total Synthesis of (+)-Rolliniastatin 1.** Ulrich Koert,

Fachbereich Chemie der Philipps Universität, D-35032 Marburg, Germany

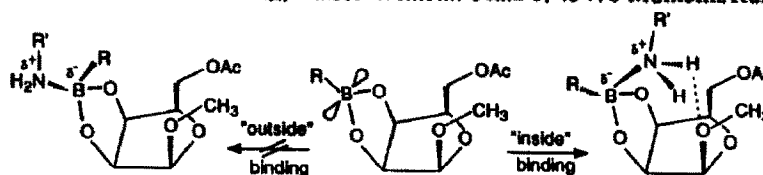


The total synthesis of the naturally occurring Annonaceous acetogenin (+)-rolliniastatin 1 is reported.

BORYLATED LYXOFURANOSIDES AS SELECTIVE HOST MOLECULES FOR AMINES

Manfred T. Reetz*, Jürgen Huff and Richard Goddard

Max-Planck-Institut für Kohlenforschung, Kaiser-Wilhelm-Platz 1, 45470 Mülheim/Ruhr, Germany



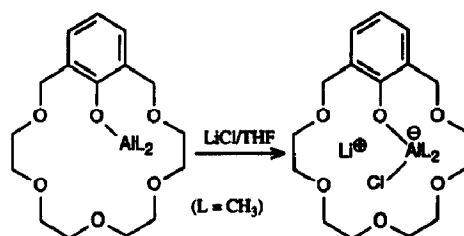
A NOVEL RECEPTOR FOR DITOPIC BINDING OF ALKALI METAL HALIDES

Tetrahedron Letters, 1994, 35, 2525

Manfred T. Reetz^a, Barry M. Johnson^a and Klaus Harms^b

^aMax-Planck-Institut für Kohlenforschung,
Kaiser-Wilhelm-Platz 1, 45470 Mülheim/Ruhr, Germany

^bUniversität Marburg, Fachbereich Chemie,
Hans-Meerwein-Strasse, 35043 Marburg, Germany



ASYMMETRIC SYNTHESIS. XXX. SYNTHESIS OF 3-SUBSTITUTED PIPERIDINES FROM CHIRAL NON-RACEMIC LACTAMS.

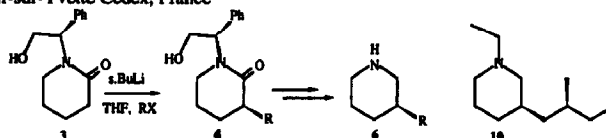
Tetrahedron Letters, 1994, 35, 2529

Laurent Micouin^a, Teresa Varela^b, Claude Riche^b, Angèle Chiaroni^b,
Jean-Charles Quirion^{a*} and Henri-Philippe Husson^{a*}

a) Laboratoire de Chimie Thérapeutique associé au CNRS, Faculté des Sciences Pharmaceutiques et Biologiques,
Université R. Descartes, 4, Av. de l'Observatoire, 75270 Paris Cedex 06, FRANCE.

b) Institut de Chimie des Substances Naturelles du CNRS, 91198 Gif-sur-Yvette Cedex, France

A series of 3-substituted piperidines **4** in enantiomerically pure form has been synthesized from lactam **3** by a stereospecific alkylation. This strategy has been applied to the synthesis of (+) stenusine **10**.



ASYMMETRIC SYNTHESIS. XXXI. SYNTHESIS OF 2-SUBSTITUTED PIPERAZINES FROM CHIRAL NON-RACEMIC LACTAMS.

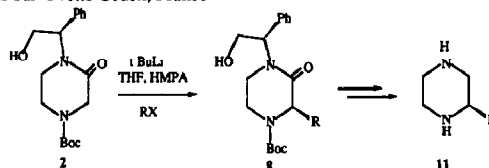
Tetrahedron Letters, 1994, 35, 2533

Vincent Schanen^a, Claude Riche^b, Angèle Chiaroni^b, Jean-Charles Quirion^{a*} and Henri-Philippe Husson^{a*}

a) Laboratoire de Chimie Thérapeutique associé au CNRS, Faculté des Sciences Pharmaceutiques et Biologiques,
Université R. Descartes, 4, Av. de l'Observatoire, 75270 Paris Cedex 06, FRANCE.

b) Institut de Chimie des Substances Naturelles du CNRS, 91198 Gif-sur-Yvette Cedex, France

A series of 2-substituted piperazines **8** in enantiomerically pure form has been synthesized from lactam **2** by a stereospecific alkylation. The differentiation between the reactivity of the nitrogens allows an easy selective deprotection.



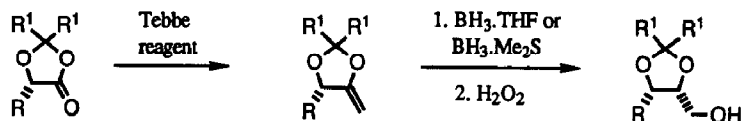
TWO-STEP STEREOSELECTIVE CONVERSION OF 5-MONOSUBSTITUTED 1,3-DIOXOLAN-4-ONES INTO SELECTIVELY PROTECTED 2,3-ERYTHRO-1,2,3-TRIOLS.

Tetrahedron Letters, 1994, 35, 2537

A ROUTE TO POLYHYDROXYLATED MOLECULES

Edouard Untersteller, Yan Chao Xin and Pierre Sinay^{*}

Ecole Normale Supérieure
Département de Chimie, URA 1686
24 rue Lhomond
75231 Paris cedex 05, France

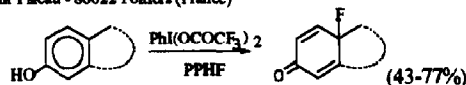


NUCLEOPHILIC *PARA*-FLUORINATION OF 4-ALKYLPHENOLS BY HYPERVALENT IODINE REAGENT AND PYRIDINIUM POLYHYDROGEN FLUORIDE (PPHF).

Tetrahedron Letters, 1994, 35, 2541

A NOVEL ROUTE TO 4-FLUOROCYCLOHEXA-2,5-DIENONES.

O. Karam, J.C. Jacquiesy, M.P. Joumstaud
Laboratoire de Chimie XII associé au CNRS, Faculté des Sciences
40, Avenue du Recteur Pineau - 86022 Poitiers (France)

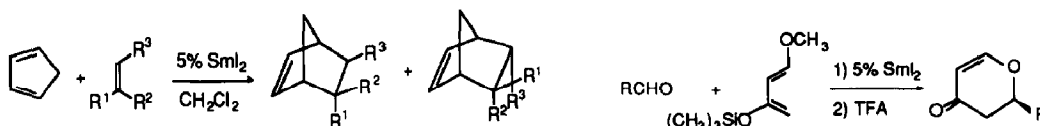


DIIODOSAMARIUM, A CATALYST PRECURSOR FOR DIELS-ALDER AND HETERO DIELS-ALDER REACTIONS.

Tetrahedron Letters, 1994, 35, 2545

P. Van de Weghe, J. Collin*. Laboratoire de Synthèse Asymétrique,
UA CNRS 1497, Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, 91405 Orsay, France.

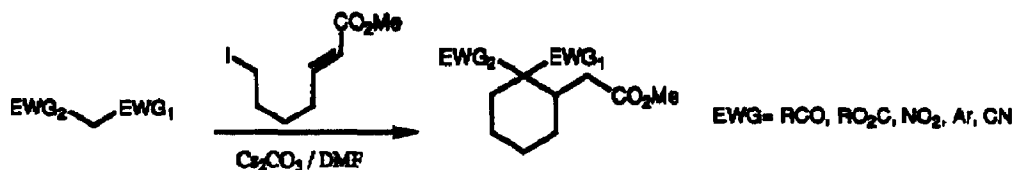
SmI_2 catalyzes Diels-Alder reactions between cyclopentadiene or isoprene and various dienophiles, and hetero Diels-Alder reactions between Danishevsky's diene and aromatic aldehydes.



A Convenient Annulation Process Involving a Tandem Alkylation-Michael Addition Sequence

Tetrahedron Letters, 1994, 35, 2549

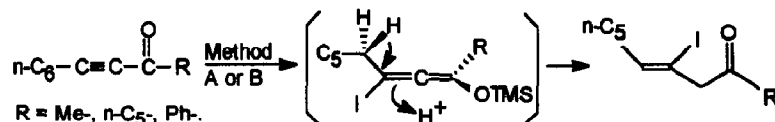
Didier Desmaële* and Jean-Marc Louvet
Laboratoire de Chimie Organique, associé au CNRS, Faculté de Pharmacie, 5, rue J. B. Clément,
92296 Châtenay-Malabry (France).



A Novel Stereoselective Synthesis of (Z)-3-Iodo-3-alken-1-one from 2-Alkyn-1-one

Tetrahedron Letters, 1994, 35, 2553

Fen-Tair Luo*, K. Ajay Kumar, Li-Chen Hsieh, Ren-Tzong Wang
Institute of Chemistry, Academia Sinica, Nankang, Taipei, Taiwan, ROC

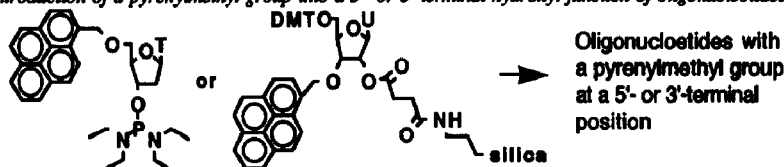


Method A: $\text{TMSCI}/\text{Na}/\text{H}_2\text{O}/\text{CH}_3\text{CN}$, B: $\text{TMSI}/\text{CH}_3\text{CN}$

A New Method for Introduction of a Pyrene Group into a Terminal Position of an Oligonucleotide Kazushige Yamana,* Kenji Nunota, Hidehiko Nakano, and Osamu Sengen, Department of Applied Chemistry, Himeji Institute of Technology, 2167 Shosha, Himeji, Hyogo 671-22, Japan

Tetrahedron Letters, 1994, 35, 2555

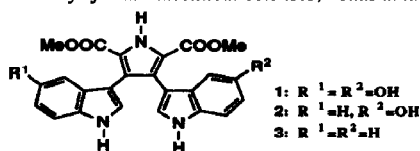
The method for introduction of a pyrenylmethyl group into a 5'- or 3'-terminal hydroxyl function of oligonucleotides has been described.



Three Novel Dimethyl Pyrroledicarboxylate, Lycogarubins A-C, from the Myxomycetes *Lycogala epidendrum*
Toshihiro Hashimoto, Akiyo Yasuda, Kyoko Akazawa, Shigeru Takaoka, Motoo Tori and Yoshinori Asakawa*

Tetrahedron Letters, 1994, 35, 2559

Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Yamashiro cho, Tokushima 770, Japan

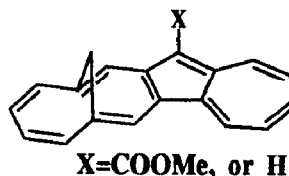


Lycogarubins A-C (1-3) have been isolated from the Myxomycetes *Lycogala epidendrum*. Their structures have been established by a combination of spectrometries and X-ray analysis.

SYNTHESIS AND STRUCTURAL PROPERTIES OF 2,7-METHANOCYCLODECA[a]AZULENE AND ITS DERIVATIVE

Tetrahedron Letters, 1994, 35, 2561

Koji Ito, Hiroyuki Kawaji, and Makoto Nitta*
Department of Chemistry, School of Science and Engineering, Waseda University, Shinjuku-ku, Tokyo 169, Japan

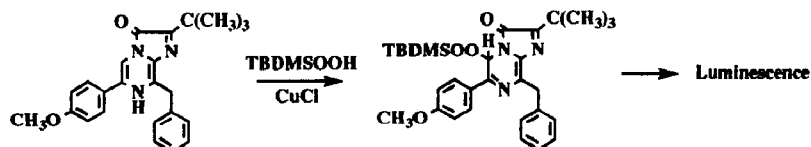


The title compounds were synthesized, and their ¹H NMR spectra revealed that they are composed of delocalized methano[10]annulene and localized azulene moieties.

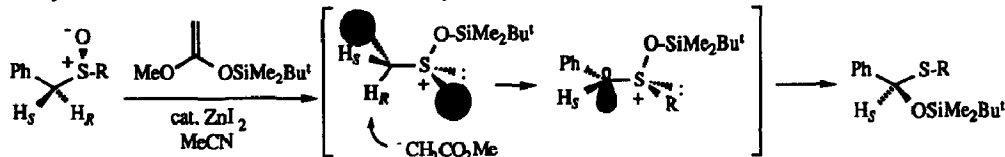
SYNTHESIS OF SILYL PEROXIDE OF COELENTERAZINE (OPLOPHORUS LUCIFERIN) ANALOGUE FOR PRECURSOR OF LUMINESCENCE

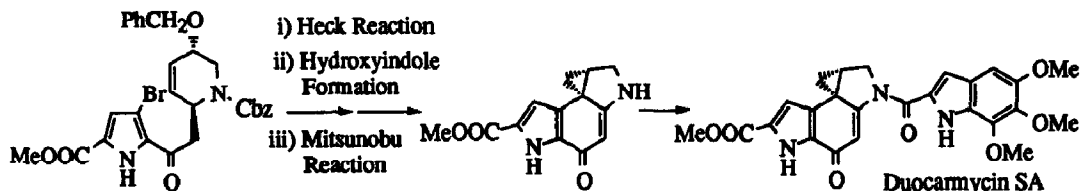
Tetrahedron Letters, 1994, 35, 2565

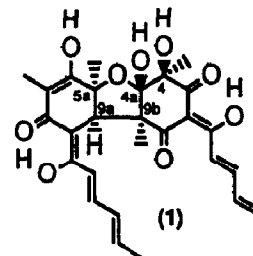
Katsunori Teranishi*, Minoru Isobe[†] and Tetsuya Yamada
School of Bioresources, Mie University, Kamihama-chou, Tsu 514, Japan
[†]School of Agriculture, Nagoya University, Chikusa, Nagoya 464-01, Japan



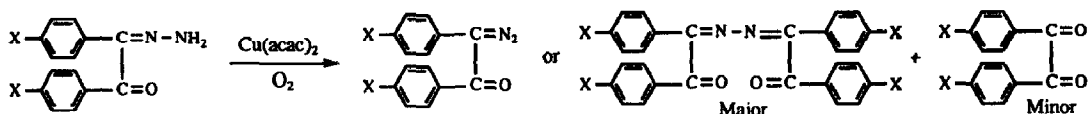
**MECHANISTIC STUDIES OF PUMMERER REACTION
IN ACYCLIC SULFOXIDES INDUCED BY *O*-SILYLATED KETENE ACETALS**

 Yasuyuki Kita,* Norio Shibata, Naoki Yoshida, Seiji Fukui, and Chino Fujimori
 Faculty of Pharmaceutical Sciences, Osaka University 1-6, Yamada-oka, Suita, Osaka 565, Japan

**TOTAL SYNTHESIS OF AN ANTITUMOR
ANTIBIOTIC, (±)-DUOCARMYCIN SA**

 Hideaki Muratake, Itsuko Abe, and Mitsutaka Natsume*
 Research Foundation Itsuu Laboratory, 2-28-10 Tamagawa, Setagaya-ku, Tokyo 158, Japan

**FIRST β-1,6-GLUCAN BIOSYNTHESIS INHIBITOR,
BISVERTINOLONE ISOLATED FROM FUNGUS,
Acremonium strictum AND ITS ABSOLUTE STEREOCHEMISTRY**
 Masanori Kontani, Youji Sakagami and Shingo Marumo, Department of
 Agricultural Chemistry, Nagoya University, Chikusa, Nagoya, 464-01, Japan

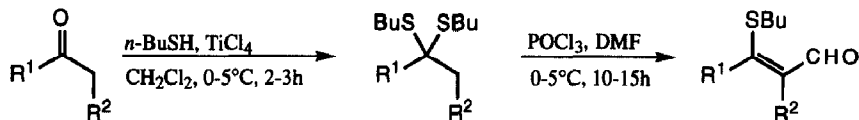
 Bisvertinolone (1) that previously isolated as a fungal yellow metabolite was re-isolated from *Acremonium strictum* as a hyphal malformation inducer in fungi. Bisvertinolone was found to be the first β-1,6-glucan biosynthesis inhibitor, and its absolute stereochemistry determined by spectroscopic analysis.

**FORMATION OF DIAZOKETONES AND AZINES BY IMPROVED
OXIDATION OF KETOHYDRAZONES USING Cu(acac)₂ AS A CATALYST**

 Toshikazu Iyata* and Girija S. Singh
 Institute of Chemistry, College of General Education, Osaka University, Toyonaka, Osaka 560, Japan

 An efficient Cu(acac)₂-catalyzed oxidation of ketohydrazone afforded α-diazoketones or azines in high yields depending upon the reaction conditions.


THE VILSMEIER REACTION ON DITHIOKETALS: A FACILE METHOD FOR THE STEREOSELECTIVE SYNTHESIS OF β -ALKYLTHIOETHYLENIC ALDEHYDES

C.V. Asokan* and Annie Mathews, School of Chemical Sciences, Mahatma Gandhi University
Priyadarsini Hills, Kottayam, Kerala 686 560, India

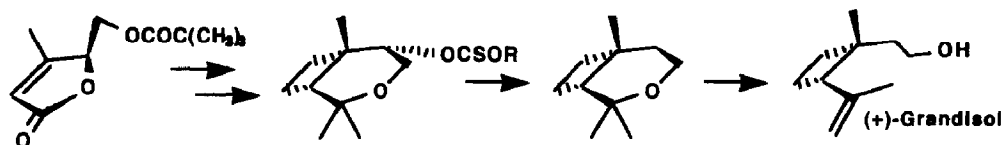


A simple two step procedure for the synthesis of β -alkylthioethylenic aldehydes from carbonyl compounds is described.

DIASTEREOSELECTIVE AND HIGHLY EFFICIENT RADICAL APPROACH TO (1S,6R) AND (1R,6S)-2,2,6-TRIMETHYL-3-OXABICYCLO[4.2.0]OCTANE, KEY INTERMEDIATES IN THE SYNTHESIS OF (+) AND (-)-GRANDISOL

R. Alibés, J.L. Bourdelande and J. Font.* Unitat Quím. Org., Dep. de Quím., U.A.B., Bellaterra, 08193 Barcelona, Spain.

The cycloadduct of ethylene to an homochiral butenolide eventually yields (+)-grandisol through a free radical deoxygenation.



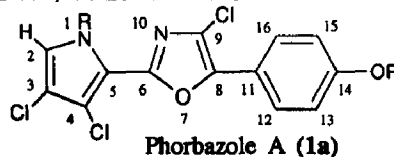
PHORBAZOLES A-D, NOVEL CHLORINATED PHENYL-PYRROLYLOXAZOLES FROM THE MARINE SPONGE PHORBAS AFF. CLATHRATA

A. RUDI¹, S. GREEN¹, I. GOLDBERG¹, Y. KASHMAN^{1*}, Y. BENAYAHU² AND M. SCHLEYER³

¹School of Chemistry, ²Department of Zoology, Tel-Aviv University, Ramat Aviv 69978, ISRAEL

³O.R.I. Durban, Republic of South Africa

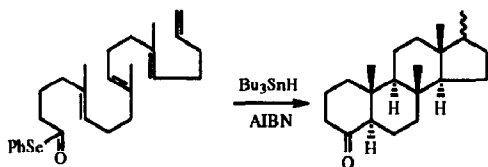
Four new marine alkaloids, phorbazoles A-D have been characterized.



NEW RADICAL MEDIATED POLYOLEFIN CYCLISATIONS DIRECTED TOWARDS STEROID RING SYNTHESIS

Ligong Chen, G. Bryon Gill and Gerald Pattenden*

Department of Chemistry, The University, Nottingham, NG7 2RD



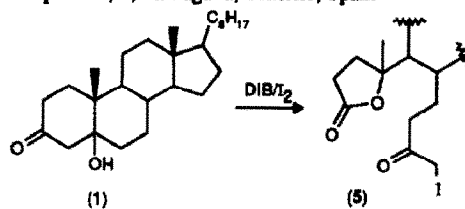
A NEW SEQUENTIAL ALKOXY RADICAL FRAGMENTATION OF δ -HYDROXYKETONES

Tetrahedron Letters, 1994, 35, 2597

Alicia Boto, Rosendo Hernández, Ernesto Suárez*

Instituto de Productos Naturales y Agrobiología del C.S.I.C., Carretera de La Esperanza, 2, La Laguna, Tenerife, Spain

The reaction of steroidal cyclic hydroxy-ketone (1) with (diacetoxy-iodo)benzene (DIB) and iodine or mercuric oxide and iodine under an oxygen atmosphere and irradiation with visible light gave the γ -lactone (5). The initially formed alkoxy radical undergoes a new 5-step sequence β -fragmentation-peroxidation-radical reduction-radical cyclization- β -fragmentation reaction before being trapped by an atom of iodine.



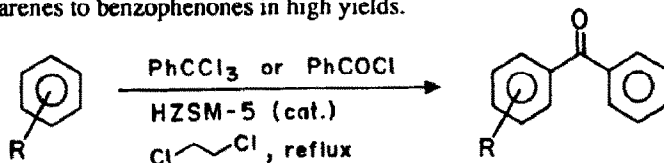
HZSM-5 CATALYSED REGIOSPECIFIC BENZOYLATION OF ACTIVATED AROMATIC COMPOUNDS*

Tetrahedron Letters, 1994, 35, 2601

Vincent Paul, A. Sudalai, Thomas Daniel and K.V.Srinivasan

National Chemical Laboratory, Pune - 411 008, India.

HZSM-5 has been shown to display a remarkable reaction selectivity in the liquid-phase benzylation of activated arenes to benzophenones in high yields.



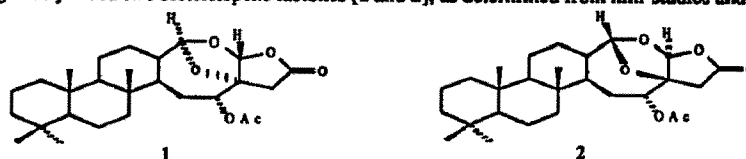
SESTERTERPENE LACTONES FROM A SPONGE SPECIES OF THE GENUS *DACTYLOSPONGIA*.

Tetrahedron Letters, 1994, 35, 2603

Allick R. Lal, Richard C. Cambie,* Clifton

E.F. Rickard and Patricia R. Bergquist^a, Department of Chemistry and ^aSchool of Biological Sciences, The University of Auckland, Private Bag 92019, Auckland, New Zealand.

A *Dactylospongia* sp. sponge has yielded two sesterterpene lactones [1 and 2], as determined from nmr studies and X-ray structure of 2.

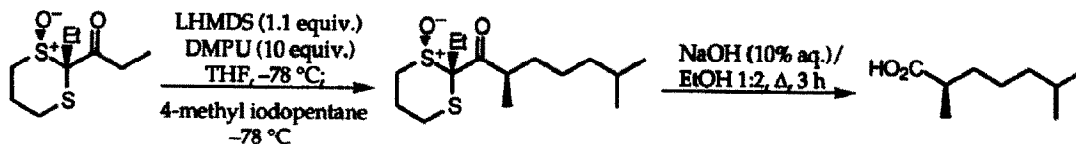


ENANTIOSELECTIVE SYNTHESIS OF (R)-(-)-2,6-DIMETHYL HEPTANOIC ACID: THE FIRST APPLICATION OF THE DITOX ASYMMETRIC BUILDING BLOCK

Tetrahedron Letters, 1994, 35, 2607

Philip C. Bulman Page,* Steven M. Allin, Eric W. Collington,[†] and Robin A. E. Carr[†]

Robert Robinson Laboratories, Department of Chemistry, University of Liverpool, Oxford Street, Liverpool, L69 3BX, England;
[†]Glaxo Group Research Ltd., Greenford Road, Greenford, Middlesex UB6 0HE, England



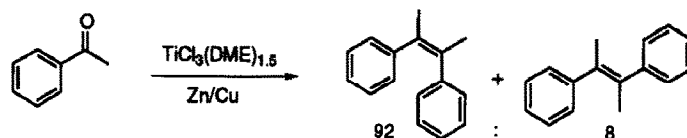
ON THE STEREOCHEMICAL OUTCOME OF THE McMURRY COUPLING OF ACETOPHENONE. A REINVESTIGATION.

Tetrahedron Letters, 1994, 35, 2609

Pher G. Andersson

Department of Organic Chemistry, University of Uppsala, Box 531, S-751 21 Uppsala, Sweden

In contrast to previous reports, the McMurry homocoupling of acetophenone results predominately in *Z*-2,3-diphenyl-2-butene.



LIPASE CATALYSED KINETIC RESOLUTION OF RACEMIC (±)2,2-DIMETHYL-3-(2-METHYL-1-PROPENYL)-CYCLOPROPANE CARBOXYL ESTERS

Tetrahedron Letters, 1994, 35, 2611

A Bhaskar Rao*, H Rehman, B Krishnakumari and J S Yadav

Division of Organic Chemistry I, Indian Institute of Chemical Technology, Hyderabad 500 007, India.

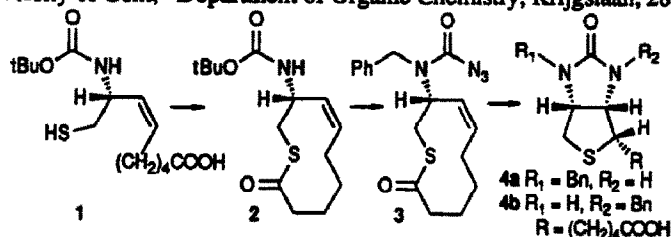


A NOVEL ENANTIOSELECTIVE SYNTHESIS OF (+)-BIOTIN

Tetrahedron Letters, 1994, 35, 2615

Frederik D. Deroose and Pierre J. De Clercq*

University of Gent, Department of Organic Chemistry, Krijgslaan, 281 (S.4), B-9000 GENT (Belgium)



An enantioselective synthesis of (+)-biotin from L-cysteine (12 steps) is reported based on the macrothiolactonisation of 1 to 2, followed by unprecedented intramolecular cycloaddition in water of 3 to 4a and 4b.

Br⁺-Induced Cyclization of γ,δ-Unsaturated Ketones:

Tetrahedron Letters, 1994, 35, 2619

A New Approach to Bromopyrane Derivatives

Roberto Antonioletti, Stefano Magnanti, Arrigo Scettri

Centro C.N.R. di Studio per la Chimica delle Sostanze Organiche Naturali, Dipartimento di Chimica.

Università di Roma "La Sapienza", P.le Aldo Moro, 5 - 00185 Roma, Italy.

Abstract: 3,5-dibromo-3,4-dihydro-2,2-dimethyl-(2H)-pyrans 2, are obtained through a simple and new procedure involving a bromoenol-etherification of γ,δ-unsaturated ketones 1; the key step is the formation of mono-bromopyran intermediate.

