

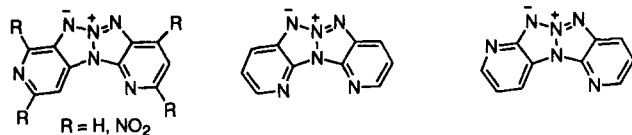
GRAPHICAL ABSTRACTS

SYNTHESIS OF NEW DIPYRIDOTETRAAZAPENTALENES.

Devan Balachari and Mark L. Trudell*,
Department of Chemistry, University of New Orleans, New Orleans, LA 70148

Tetrahedron Letters, 1997, 38, 8607

Four new dipyridotetraazapentalenes were synthesized from triazolopyridines in good yields.

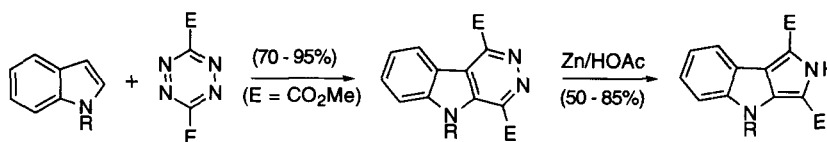


A FACILE PREPARATION OF PYRROLO[3,4-b]INDOLES.

Kevin Daly, Rana Nomak and John K. Snyder*, Dept. of Chemistry, Boston University, 590 Commonwealth Ave., Boston, MA 02215

Tetrahedron Letters, 1997, 38, 8611

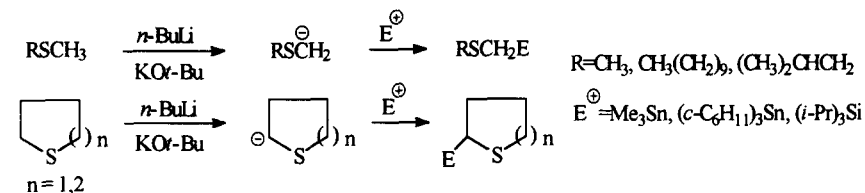
Reductive ring contraction of dimethyl 5*H*-pyridazino[4,5-*b*]indole-1,4-dicarboxylate produced dimethyl 2,4-dihydropyrrolo[3,4-*b*]indole-1,3-dicarboxylate.



DIRECT DEPROTONATION OF ALIPHATIC SULFIDES.

Yunqi Liu and Richard S. Glass*, Department of Chemistry,
The University of Arizona, Tucson, AZ 85721 USA

Tetrahedron Letters, 1997, 38, 8615

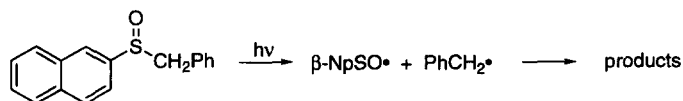


PHOTOCHEMISTRY OF BENZYL β-NAPHTHYL SULFOXIDE AND CHARACTERIZATION OF THE β-NAPHTHYL-SULFINYL RADICAL

Yushen Guo, Alexandre P. Darmanyan, and William S. Jenks. Department of Chemistry,
Iowa State University, Ames, IA 50011-3111

Tetrahedron Letters, 1997, 38, 8619

Steady state photolysis and flash photolysis study of β-NpSO• and its reaction with nitroxides

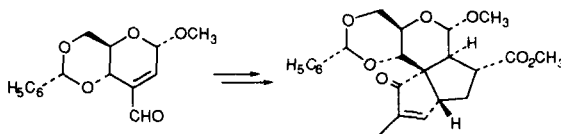


**ENANTIOSPECIFIC APPROACH TO A QUINANE SKELETON
RELATED TO PENTALENOLACTONES**

Silvina C. Pellegrinet and Rolando A. Spanevello*

Instituto de Química Orgánica de Síntesis. CONICET - U.N.R.- Casilla de Correo 991. 2000 Rosario. Argentina.

A novel and general approach has been delineated for the enantiomerically pure synthesis of the angularly fused tricyclic system of the pentalenolactone family of compounds.

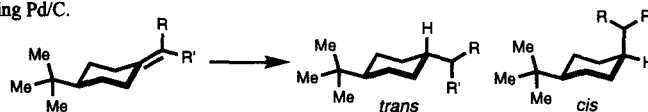
**Diastereoselectivity in the Heterogeneous Hydrogenation
Reactions of Phosphorous Substituted Olefins**

Bret E. Huff,* Vien V. Khau, Michael E. LeTourneau, Michael J. Martinelli,*

Naresh K. Nayyar, and Barry C. Peterson

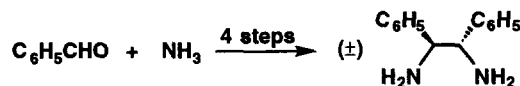
Lilly Research Laboratories, A Division of Eli Lilly and Company, Indianapolis, Indiana 46285-4813

Phosphorous substituted methylenecyclohexane olefins show enhanced diastereoselectivity in heterogeneous hydrogenation reactions using Pd/C.

**A Simplified Synthesis of (±)-1,2-Diphenyl-1,2-diaminoethane (1) from Benzaldehyde and Ammonia. Revision of the Structures of the Long-Known Intermediates "Hydrobenzamide" and "Amarine"**

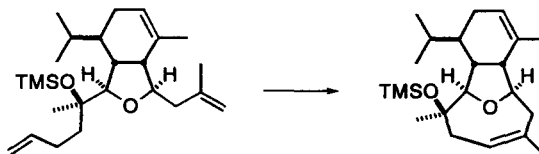
E. J. Corey* and Florian N. M. Kühnle

Department of Chemistry and Chemical Biology, Harvard University, Cambridge, Massachusetts 02138

**AN UNEXPECTED PRODUCT ARISING FROM METAL ALKYLIDENE****MEDIATED RING-CLOSING METATHESIS.** Daisy Joe and Larry E. Overman,*

Department of Chemistry, 516 Physical Sciences 1, University of California, Irvine, CA 92697-2025 USA

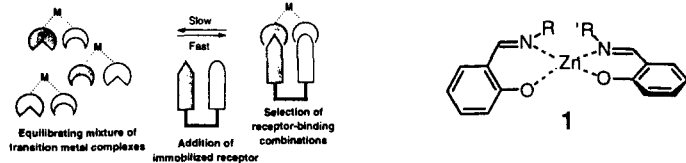
Ring-closing diene metathesis of a siloxytriene surprisingly afforded a siloxytricyclic in which the newly formed ring is one carbon unit smaller than expected.



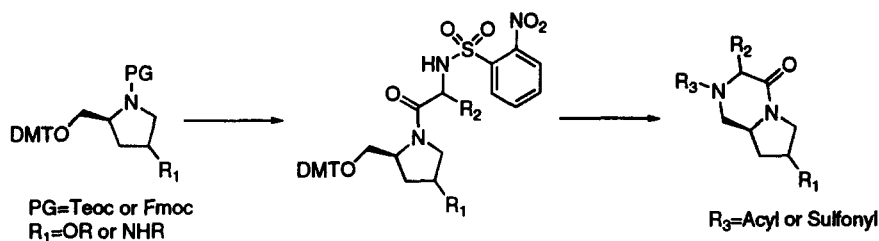
Generation of Novel DNA-Binding Compounds by Selection and Amplification from Self-Assembled Combinatorial Libraries Bryan Klekota, Mark H. Hammond, and Benjamin L. Miller*

Department of Chemistry, University of Rochester, Rochester, New York 14627

A general method for the selection and amplification of compounds from self-assembled libraries is demonstrated using bis(salicylaldiminato) zinc complexes (1) and a DNA-affinity reagent.



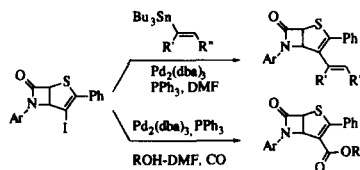
THE SOLID PHASE SYNTHESIS OF TRISUBSTITUTED 1,4-DIAZABICYCLO[4.3.0]NONAN-2-ONE SCAFFOLDS: ON BEAD MONITORING OF HETEROCYCLE FORMING REACTIONS USING ¹⁵N NMR. Eric E. Swayze, Isis Pharmaceuticals, 2292 Faraday Av., Carlsbad, CA 92008



PALLADIUM-PROMOTED DERIVATIZATIONS OF NOVEL C-FUSED PENEM RING SYSTEMS

Monika I. Konaklieva, Hongchang Shi, and Edward Turos*, Department of Chemistry, University of South Florida, Tampa, FL 33620-5250

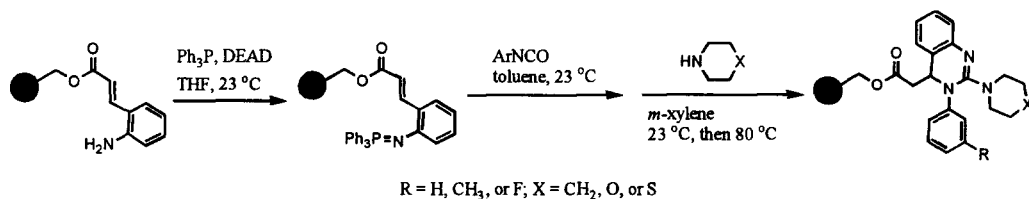
Palladium-catalyzed coupling reactions and carboxylations have been utilized to prepare derivatives of C-fused penem-type ring systems.



Solid-Phase Synthesis of 3,4-Dihydroquinazoline

Fengjiang Wang* and James R. Hauske

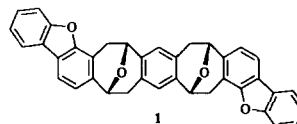
Department of Drug Discovery, Sepracor Inc., 111 Locke Drive, Marlborough, MA 01752, USA



THE DETERMINATION OF THE ABSOLUTE CONFIGURATION OF A CHIRAL MOLECULAR TWEEZER USING CD SPECTROSCOPY

Joerg Fleischhauer^{††}, Michael Harmata^{††}, Mehmet Kahraman^{††}, Axel Koslowski[†] and Christopher J. Welch[‡]
[†]Lehr- und Forschungsbereich, Theoretische Chemie, Institut für Organische Chemie, RWTH Aachen, Germany; ^{††}Department of Chemistry, University of Missouri-Columbia, Columbia MO 65211; [‡]REGIS Technologies, Inc., 8210 Austin Avenue, P.O. Box 519, Morton Grove, Illinois 60053 USA

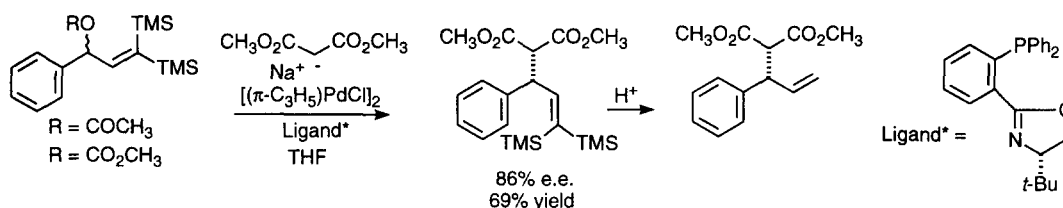
The configuration of molecular tweezer **1** is assigned based on the comparison of a calculated and experimentally-determined CD spectrum.



1

The Palladium Catalyzed Allylic Alkylation of Bis(trimethylsilyl) Substituted Propenyl Acetates or Carbonates in the Presence of Chiral Ligands

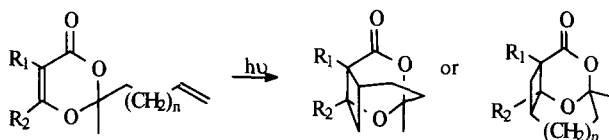
Donna L. Romero* and Edward L. Fritzen, Medicinal Chemistry Research, Pharmacia and Upjohn Co., Kalamazoo, MI 49001



REGIOCHEMISTRY OF INTRAMOLECULAR PHOTOCYCLOADDITION OF 1,3-DIOXIN-4-ONES TETHERED THROUGH THE KETAL CARBON.

Cheryl L. Muller,* Jason R. Bever, Mark S. Dordel, Moiz M. Kitabwalla, Theresa M. Reineke, Justin B. Sausker, Troy R. Seehafer, Yu Li, and Jerry P. Jasinski, Department of Chemistry, University of Wisconsin-Eau Claire, Eau Claire, Wisconsin 54702 and Department of Chemistry, Keene State College, Keene, New Hampshire 03435.

The regiochemistry of photocycloaddition of some 1,3-dioxin-4-ones varies with the length of the tether.

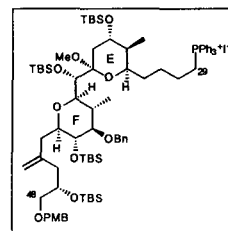


SPONGISTATIN SYNTHETIC STUDIES. 1. CONSTRUCTION OF THE C(29-48) SUBTARGET

Amos B. Smith, III,* Linghang Zhuang, Christopher S. Brook, Armen M. Boldi, Mark D. McBriar, William H. Moser, Noriaki Murase, Kiyoshi Nakayama, Patrick R. Verhoest, and Qiyan Lin

Department of Chemistry, Laboratory for Research on the Structure of Matter, and Monell Chemical Senses Center, University of Pennsylvania, Philadelphia, PA 19104, U.S.A.

In this Letter, the first in a series of three, we outline our overall strategy and describe the assembly of a C(29-48) EF-ring advanced intermediate for the total synthesis of spongistatins, rare and structurally unique polyether macrolides with unprecedented antitumor activity.



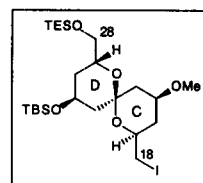
SPONGISTATIN SYNTHETIC STUDIES. 2. ASSEMBLY OF THE C(18-28) SPIROKETAL

Tetrahedron Letters, 1997, 38, 8671

Amos B. Smith, III,* Linghang Zhuang, Christopher S. Brook, Qiyan Lin, William H. Moser, Robert E. Lee Trout, and Armen M. Boldi

Department of Chemistry, Laboratory for Research on the Structure of Matter, and Monell Chemical Senses Center, University of Pennsylvania, Philadelphia, PA 19104, U.S.A.

The C(18-28) CD-ring spiroketal subunit of the spongistatins, marine polyether macrolides with unprecedented antitumor activity, has been generated via a highly convergent and completely stereocontrolled sequence. Key operations include a one-flask dithiane bisalkylation and a metal-assisted spiroketal equilibration.



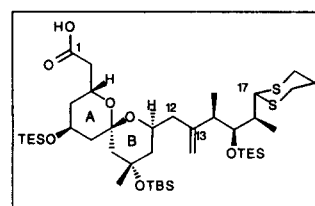
SPONGISTATIN SYNTHETIC STUDIES. 3. CONSTRUCTION OF THE C(1-17) SPIROKETAL

Tetrahedron Letters, 1997, 38, 8675

Amos B. Smith, III,* Qiyan Lin, Kiyoshi Nakayama, Armen M. Boldi, Christopher S. Brook, Mark D. McBriar, William H. Moser, Masao Sobukawa, and Linghang Zhuang

Department of Chemistry, Laboratory for Research on the Structure of Matter, and Monell Chemical Senses Center, University of Pennsylvania, Philadelphia, PA 19104, U.S.A.

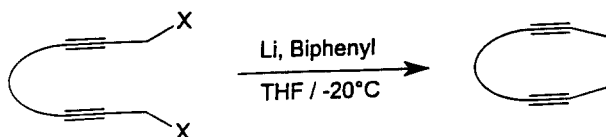
A convergent synthesis of the C(1-17) AB-ring spiroketal moiety of the spongistatins, exceedingly scarce and highly antimitotic polyether macrolides, has been achieved via a one-flask dithiane bisalkylation, stereocontrolled spiroketalization, and Julia sulfone coupling/methylenation.



A Convenient Synthesis of Ethano-Bridged Cyclic Diynes – Preparation of 1,1,2,2-Tetramethyl-1,2-disila-cycloocta-3,7-diyne

Tetrahedron Letters, 1997, 38, 8679

Gebhard Haberhauer, Rolf Roers, Rolf Gleiter*, Organisch Chemisches Institut der Universität Heidelberg, Im Neuenheimer Feld 270, D-69120 Heidelberg, Germany

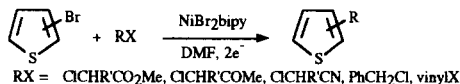


NICKEL-CATALYSED ELECTROCHEMICAL COUPLING OF 2- AND 3-BROMOTHIOPHENE WITH ALKYL AND ALKENYL HALIDES

Tetrahedron Letters, 1997, 38, 8683

HALIDES. Muriel Durandetti,* Jacques Périchon, Jean-Yves Nédélec, Laboratoire d'Electrochimie, Catalyse et Synthèse Organique, UMR 28 CNRS, 2, rue Henri-Dunant 94320 Thiais (France)

The electrochemical reduction of 2- or 3-bromothiophene and alkyl or alkenyl halides in the presence of NiBr₂-2,2'-bipyridine complex as catalyst affords the coupling products in good yields.



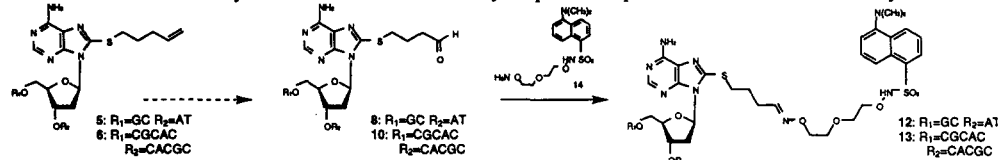
THE OXYAMINO-ALDEHYDE COUPLING REACTION: AN EFFICIENT METHOD FOR THE DERIVATIZATION OF OLIGONUCLEOTIDES

Tetrahedron Letters, 1997, 38, 8687

Emmanuelle Trévisiol, Annabelle Renard, Eric Defrancq* and Jean Lhomme*

Chimie Bioorganique, L.E.D.S.S., Associé au CNRS, Université Joseph Fourier, BP 53, 38041 Grenoble Cedex 9, France.

Oligonucleotides containing an aldehydic function at any preselected position in the sequence have been prepared using post-synthetic oxidation of an alkene as the key reaction. These were efficiently coupled to a reporter molecule tethered to an oxyamino linker.

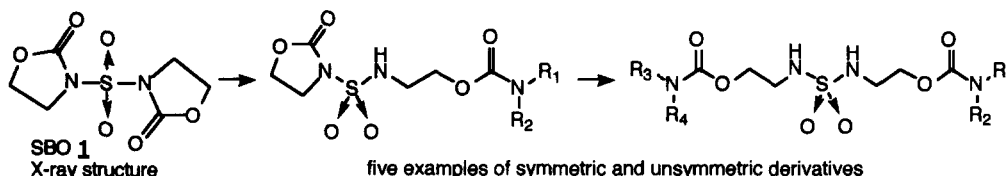


**Sulfonyl Bis-N-Oxazolidinone (SBO):
A New Versatile Dielectrophile with Sequential Reactivity**

Tetrahedron Letters, 1997, 38, 8691

G. Dewynter, M. Abdaoui, L. Toupet, and J-L. Montero

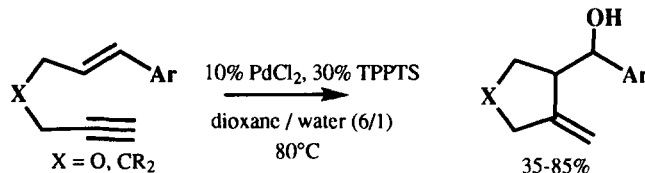
Lab. Chimie Biomoléculaire, Université Montpellier-II. and G.M.C.M-UMR 6626 Université Rennes I. France.



CARBOHYDROXYPALLADATION REACTIONS IN AQUEOUS MEDIUM : AN EFFICIENT ROUTE TO 3-(1-HYDROXYARYL) TETRAHYDROFURANS

Tetrahedron Letters, 1997, 38, 8695

J.-C Galland, M. Savignac, J.-P. Genêt*, Laboratoire de Synthèse Organique, E.N.S.C.P., 11 rue P. et M. Curie, 75231 Paris Cedex 05, France

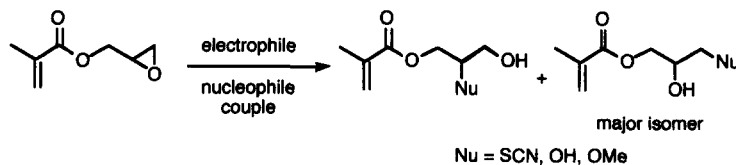


SELECTIVE RING-OPENING OF ω-EPOXYALKYL (METH)ACRYLATES. AN EFFICIENT ACCESS OF BIFUNCTIONAL MONOMERS.

Tetrahedron Letters, 1997, 38, 8699

A. Olszewski-Ortar, Ph. Gros and Y. Fort*

Laboratoire de Chimie Organique I, Faculté des Sciences, U.H.P. - Nancy-I, BP 239, F-54506 Vandoeuvre-les-Nancy, France.

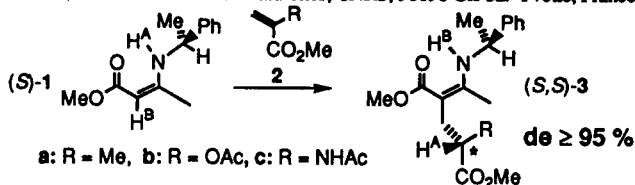


Efficient Access to Virtually Enantiopure α -Dialkyl-, α -Acetoxy-, and α -Acetamido esters

C. Cavé, Y. Le Porhiel-Castellon, V. Daley, C. Riche, A. Chiaroni, J. d'Angelo

Faculté de Pharmacie, 92296 Châtenay-Malabry; Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette, France.

Michael addition of enaminoester (S)-1 to α -substituted acrylates 2 led to adducts (S,S)-3.

**GENERATION BY RETRO-ENE REACTION OF CYCLOHEX-2-ENETHIONE AND CYCLOPENT-2-ENETHIONE**

Emmanuelle Briard, Jocelyne Levillain* and Jean-Louis Ripoll,* LCMT (associé au

CNRS), ISMRA, 14050 Caen, France; Yves Dat, CERMN, Faculté de Pharmacie, Université de Caen, 14032 Caen, France.

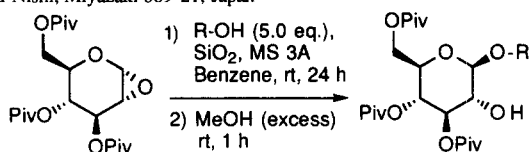
The reactive cycloalkenethiones 1 and 2 have been synthesized in two steps from the corresponding cycloalkenyl bromides.

**SILICA GEL-CATALYZED β -O-GLUCOSYLATION OF ALCOHOLS WITH 1,2-ANHYDRO-3,4,6-TRI-O-PIVALOYL- α -D-GLUCOPYRANOSE.**

Yoh-ichi Matsushita,* Kazuhiro Sugamoto, Yoshio Kita, and Takanao Matsui,

Faculty of Engineering, Miyazaki University, Gakuen-Kibanadai-Nishi, Miyazaki 889-21, Japan

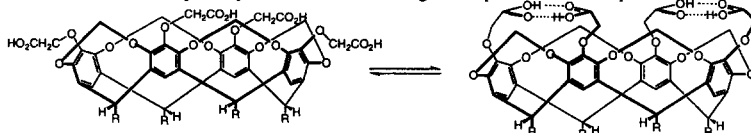
1,2-Anhydro-3,4,6-tri-*O*-pivaloyl- α -D-glucopyranose was allowed to react with alcohols in the presence of silica gel, to afford β -O-glucosides. Several natural glucosides were synthesized by the present reaction.

**Li⁺ SELECTIVE ENCAPSULATION THROUGH THE INTRAMOLECULAR HYDROGEN BONDING GATE**

Sang Bok Lee, Sungu Hwang, Doo Soo Chung and Jong-In Hong*

Department of Chemistry, Seoul National University, Seoul 151-742, Korea

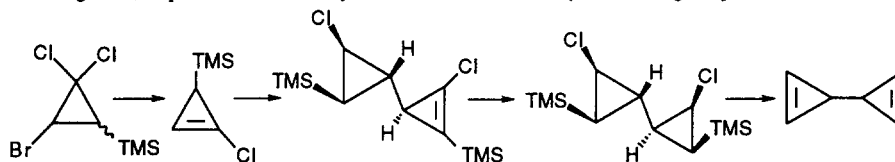
A new molecular container assembly for the selective encapsulation of Li⁺ through intramolecular hydrogen bonding gate is described. It also shows solvent polarity-controlled unblocking of the portal and subsequent release of the guest.



1-CHLORO-3-TRIMETHYLSILYL CYCLOPROPENE--A NEW SYNTHESIS OF 3,3'-BICYCLOPROPENYL. Gon-Ann Lee,*

Tetrahedron Letters, **1997**, *38*, 8717

Chi-Sheng Chen, Department of Chemistry, Fu Jen Catholic University, Hsinchuang, Taipei, 24205, Taiwan, ROC



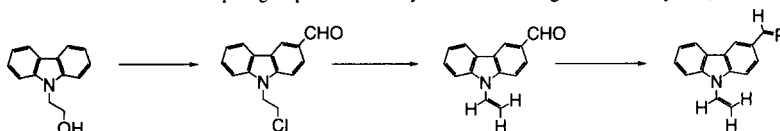
SYNTHESIS OF N-VINYLCARBAZOLE DERIVATIVES

Tetrahedron Letters, **1997**, *38*, 8721

WITH ACCEPTOR GROUPS. Yadong Zhang, Hirofumi Hokari,

Tatsuo Wada, Yuming Shang, Seth R. Marder and Hiroyuki Sasabe, Core Research for Evolutional Science and Technology (CREST), JST, Biopolymer Physics, Frontier Research Program, The Institute of Physical and Chemical Research (RIKEN), 2-1 Hirosawa, Wako Saitama 351-01, Japan. The Backman Institute, California Institute of Technology, Pasadena, CA 91125, USA

N-Vinylcarbazoles with various acceptor groups have been synthesized starting from 3-formyl-N-(2-chloroethyl)carbazole in two steps.

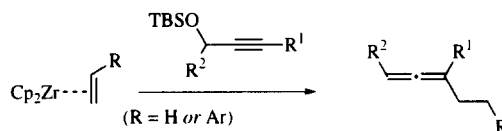


ALLENE FORMATION BY THE REACTION OF OLEFINS WITH PROPARGYL SILYL ETHERS MEDIATED BY ZIRCONOCENE COMPLEX.

Tetrahedron Letters, **1997**, *38*, 8723

Tamotsu Takahashi,* Ryuichiro Hara, Shouquan Huo, Yasuyuki Ura, Mathew P. Leese, Noriyuki Suzuki, Catalysis Research Center and Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo 060, Japan

Zirconocene-olefin complexes reacted with propargyl silyl ethers to give allenic compounds.



TiCl₄/Bu₃N/(CATALYTIC TMSOTf):

Tetrahedron Letters, **1997**, *38*, 8727

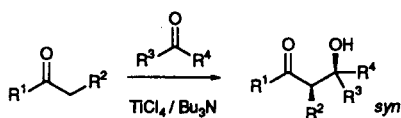
EFFICIENT AGENT FOR DIRECT ALDOL ADDITION AND CLAISEN CONDENSATION

Yoshihiro Toshida, Ryoji Hayashi, Hiromasa Sumihara, and Yoo Tanabe*

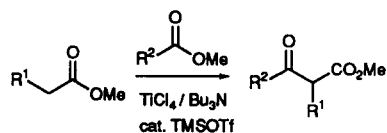
School of Science, Kwansei Gakuin University, 1-1-155 Uegahara, Nishinomiya, Hyogo 662, Japan

Aldol

- ketones-ketones
- ketones-aldehydes



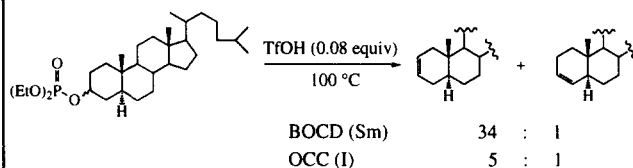
Claisen



Liquid Crystal Control of Regio- and Diastereoselectivity in the Acid-Catalyzed Elimination of Alkyl Phosphates to Alkenes

Kenji Fukunaga, Hisao Kansui, Tomoko Taniguchi, and Takehisa Kunieda*

Faculty of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862, Japan



The titled reactions proceed smoothly with remarkably high regioselectivity in the smectic solvent (BOCD), as illustrated in this typical example, in contrast to the isotropic reactions, which give poorer selectivity.

SYNTHESIS OF 2'-O,4'-C-METHYLENEURIDINE AND -CYTIDINE. NOVEL BICYCLIC NUCLEOSIDES HAVING A FIXED C₃-endo SUGAR PUCKERING

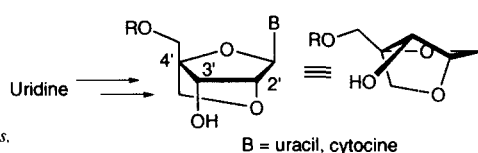
Satoshi Obika,^a Daishu Nanbu,^a Yoshiyuki Hari,^a Ken-ichiro Morio,^a

Yasuko In,^b Toshimasa Ishida,^b and Takeshi Imanishi*,^a

Faculty of Pharmaceutical Sciences, Osaka University, 1-6 Yamadaoka,

Suita, Osaka 565, Japan^a and Osaka University of Pharmaceutical Sciences,

4-20-1 Nasahara, Takatsuki, Osaka 569-11, Japan^b



Typical C₃-endo nucleoside analogs, 2'-O,4'-C-methyleneuridine and -cytidine,

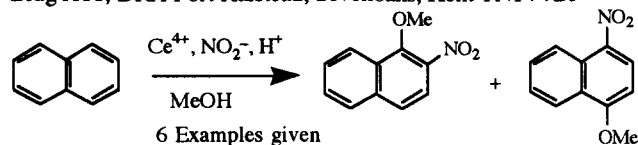
were synthesized from uridine *via* regioselective C-O bond cleavage of a 2,3'-O-benzylidene derivative as a crucial step.

SYNTHESIS OF 1-ALKOXY-4-NITRONAPHTHALENES IN A NOVEL NITRATION OF NAPHTHALENE

John M. Mellor and Rachel Parkes

Department of Chemistry, The University, Southampton SO17 1BJ and Ross W. Millar

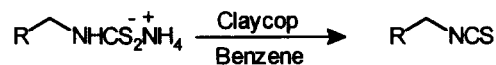
Bldg A11, DRA Fort Halstead, Sevenoaks, Kent TN14 7BP



A GENERAL SYNTHESIS OF ISOTHIOCYANATES FROM DITHIOCARBAMATES USING CLAYCOP

Harshadas M. Meshram,* Dale Srinivas and J.S. Yadav

Organic Chemistry Division-1, Indian Institute of Chemical Technology, Hyderabad-500 007, India

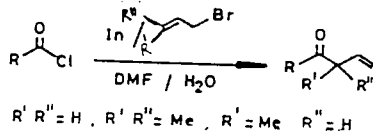


INDIUM IN ORGANIC SYNTHESIS : CONVENIENT SYNTHESIS OF β,γ -UNSATURATED KETONES

Tetrahedron Letters, 1997, 38, 8745

J.S. Yadav^a, Dale Srinivas, Gondi Sudershan Reddy and Konuru Hima Bindu
Indian Institute of Chemical Technology, Hyderabad-500 007, India.

A mild and efficient method for the preparation of β,γ unsaturated ketones with indium in D.M.F. is described.

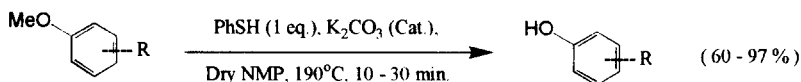


CHEMOSELECTIVE ARYL ALKYL ETHER CLEAVAGE BY THIOPHENOLATE ANION THROUGH ITS *IN SITU* GENERATION IN CATALYTIC AMOUNT.

Tetrahedron Letters, 1997, 38, 8749

Mrinal K. Nayak and Asit K. Chakraborti, Department of Chemistry, The University of Burdwan, Burdwan 713 104, India. Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research, Sector 67, S. A. S. Nagar 160 062, India.

Chemoselective aryl alkyl ether cleavage under virtually neutral condition in high yields.



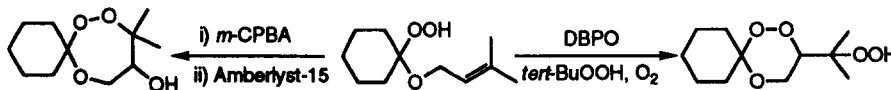
NEW METHODS FOR THE SYNTHESIS OF OXY-FUNCTIONALIZED 1,2,4-TRIOXANES AND 1,2,4-TRIOXEPANES FROM UNSATURATED HYDROPEROXY ACETALS

Tetrahedron Letters, 1997, 38, 8753

Yoshihiro Ushigoe,^a Araki Masuyama,^a Masatomo Nojima^{a*} and Kevin J. McCullough^b

^a Department of Materials Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565, Japan.

^b Department of Chemistry, Heriot-Watt University, Edinburgh, EH14 4AS, Scotland, UK



THE PREPARATION OF METHYL 9-iodo-PERFLUORONONANOATE: AN ACCESS TO REVERSE FLUORINATED AMPHIPHILES.

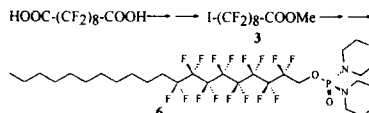
Tetrahedron Letters, 1997, 38, 8757

Z. Szlávik, A. Csámpai, M. P. Krafft[†], J. G. Riess[‡], and J. Rábai[†]

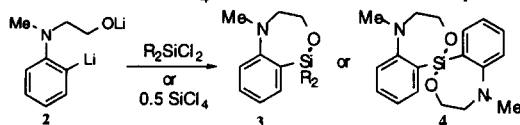
Department of Organic Chemistry, Eötvös University, P.O. Box 32, H-1518 Budapest 112, Hungary; [†]Unité de Chimie Moléculaire, URA 426 au CNRS, Faculté des Sciences, Université de Nice-Sophia Antipolis, 06108 Nice Cédex 02, France;

[‡]Medical Centre, University of California at San Diego, 225 Dickinson St., San Diego CA-92102-1990.

The ω -functionalized *F*-alkyl iodide **3** was synthesized. It allows the synthesis of molecules containing perfluoroalkyl segments in a central position. The preparation of the new "reverse" *F*-amphiphile **6** is also reported.



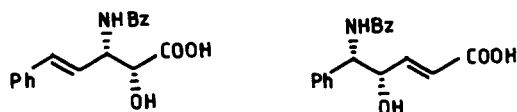
A REMARKABLE TENDENCY OF *o*-LITHIO-*N*-(2-LITHIOOXYETHYL)-*N*-METHYL-ANILINE TO FORM HETEROCYCLIC DERIVATIVES BY ITS REACTION WITH DICHLORO-DIALKYL SILANES OR SILICON TETRACHLORIDE. SYNTHESIS OF 2,5,1-BENZOXAZASILEPINES AND OF THE SILASPIRO ANALOGUE. Ioannis D. Kostas and Constantinos G. Screttas*, National Hellenic Research Foundation, Institute of Organic and Pharmaceutical Chemistry, Vas. Constantinou 48, 116 35 Athens, Greece
Catherine P. Raptopoulou and Aris Terzis, Institute of Materials Science, NCSR "Democritos", 153 10 Aghia Paraskevi Attikis, Greece
Reaction of 2 with R₂SiCl₂ (R = Me, Et, Ph) or SiCl₄ led to seven-membered heterocyclic compounds 3 and 4.



FIRST AND STEREOFLEXIBLE SYNTHESIS OF VINYLOGOUS TAXOL SIDE CHAINS.

J.S. Yadav*, S. Chandrasekhar and Pradip K. Sasmal
Indian Institute of Chemical Technology, Hyderabad-500 007, India

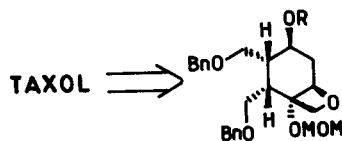
The first and practical synthesis of 3' and 1' vinylogous Taxol side chains is reported.



A NEW ENTRY TO THE STEREOCONTROLLED SYNTHESIS OF CD RINGS OF TAXOL

J.S. Yadav* and Pradip K. Sasmal
Indian Institute of Chemical Technology, Hyderabad-500 007, India

Facile and stereocontrolled synthesis of highly functionalized CD ring derivatives of Taxol is reported



COMPUTER ASSISTED, MECHANISM DIRECTED DESIGN OF A NEW LIGAND FOR THE HIGHLY ENANTIOSELECTIVE CATALYTIC ADDITION OF DIETHYLZINC TO ALDEHYDES.

Anton Vidal-Ferran, Albert Moyano, Miquel A. Pericàs* and Antoni Riera. *Unitat de Recerca en Síntesi Asimètrica, Departament de Química Orgànica, Universitat de Barcelona, C/ Martí i Franquès, 1-11. 08028-Barcelona, Spain*

