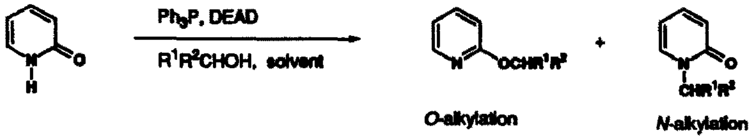
GRAPHICAL ABSTRACTS

Tetrahedron Letters, **1994**, *35*, 2819

N- VS. *O*-ALKYLATION IN THE MITSUNOBU REACTION OF 2-PYRIDONE.

Daniel L. Comins* and Gao Jianhua,
Department of Chemistry, North Carolina State University, Raleigh, NC 27695-8204 USA

N- vs. *O*-alkylation of 2-pyridone under Mitsunobu conditions was studied.

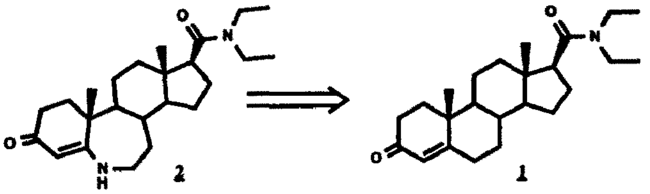


Tetrahedron Letters, **1994**, *35*, 2823

Synthesis of a B-Homo 6-Azaandrost-4-ene-3-one as a Novel Steroidal 5α-Reductase Inhibitor,

Patrick R. Maloney and Francis G. Fang, Department of Medicinal Chemistry, Glaxo Inc. Research Institute, Research Triangle Park, NC, 27709, USA.

Synthesis of B-homo steroid **2** from known **1** is described in 8 steps

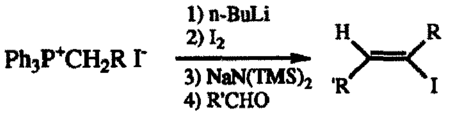


Tetrahedron Letters, **1994**, *35*, 2827

PREPARATION AND USE OF 1-IODOALKYL YLIDES

Jie Chen, Tao Wang, and Kang Zhao*
Department of Chemistry, New York University
New York, NY 10003

1-Iodoalkyl ylides were prepared and used for the first time to convert aldehydes to 2-iodo-2-alkenes stereoselectively and other dialkyl vinyl iodides.

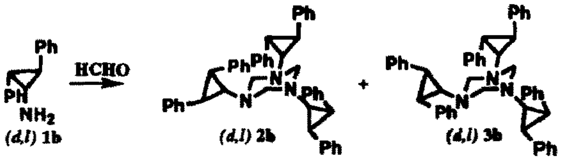


Tetrahedron Letters, **1994**, *35*, 2829

Diastereoisomerism In 1,3,5-Triazine Through Nitrogen Substituents.

M. Steinman*, D. Gala, M. S. Puar, P. Tahbaz Schering-Plough Research Institute, Kenilworth, NJ 07033, USA.

A reaction between formaldehyde and amine **1b** results in triazines **2b**, and **3b**. Their structures are determined and the stereochemical outcome is discussed.

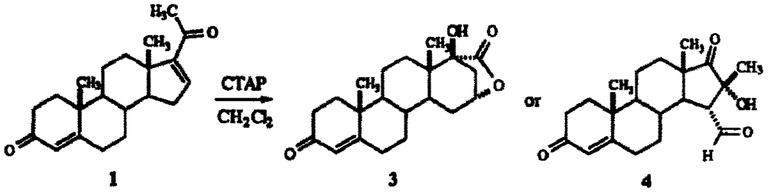


Tetrahedron Letters, **1994**, *35*, 2833

NOVEL STEROIDS FROM CETYLTRIMETHYLAMMONIUM PERMANGANATE-INITIATED OXIDATIVE REARRANGEMENTS OF 16-DEHYDROPROGESTERONE.

Philip R. Kym, Scott R. Wilson, William H. Gritton, and John A. Katzenellenbogen,* Department of Chemistry, University of Illinois, Urbana, Illinois 61801

Cetyltrimethylammonium permanganate initiates an oxidative rearrangement of the D-ring of 16-dehydroprogesterone to form the novel steroids 3 and 4.

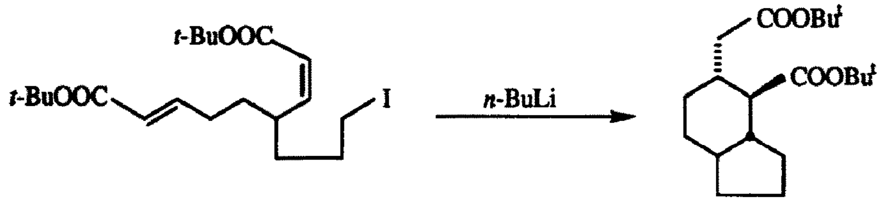


1 3 4

Tetrahedron Letters, **1994**, *35*, 2837

Stereoselective Construction of Functionalized Bicyclic Carbocycles Through Metal-Halogen Exchange-Initiated Sequential Conjugate Addition Reactions

Manning P. Cooke, Jr.* and D. Gopal
Department of Chemistry, Washington State University, Pullman, Washington 99164

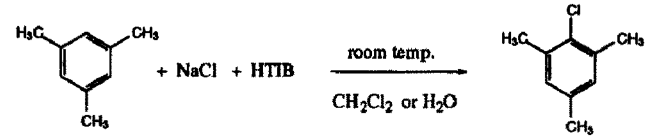


Tetrahedron Letters, **1994**, *35*, 2841

RING HALOGENATIONS OF POLYALKYLBENZENES BY IONIC HALIDES AND KOSER'S REAGENT

Pakorn Bovonsombat, Elsa Djuardi and Edward Mc Nelis, Department of Chemistry, New York University, New York, New York 10003.

Ring halogenations of polyalkylbenzenes as indicated by the schematic chlorination have been carried out at room temperature with ionic halides and stoichiometric amounts of Koser's reagent. Solvents range from water to methylene chloride.

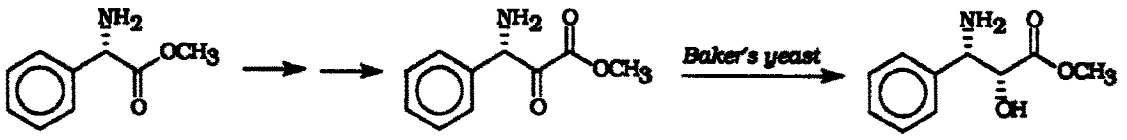


Tetrahedron Letters, **1994**, *35*, 2845

APPLICATION OF YEAST-CATALYZED REDUCTIONS TO SYNTHESIS OF (2R,3S)-PHENYLISOSERINE.

Jeff Kearns and Margaret M. Kayser* ,Department of Physical Sciences, University of New Brunswick, P.O. Box 5050, Saint John, New Brunswick E2L 4L5 CANADA

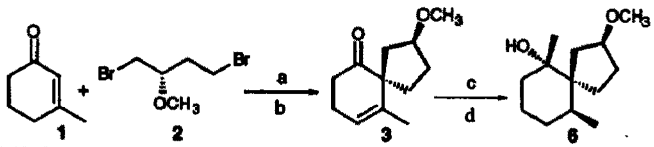
A simple synthesis of (2R,3S)-phenylisoserine, a precursor of the C-13 side chain of Taxol®(paclitaxel), is reported utilising yeast-catlyzed reduction to generate a second chiral centre.



Tetrahedron Letters, **1994**, *35*, 2849

Enantioselective synthesis of spiro[4.5]decanone with 2-(S)-methoxy-1,4-dibromobutane

Juan Miguel Garro Galvez, Paul Angers and Perséphone Canonne*
Département de chimie, Université Laval, Ste-Foy, Québec, Canada, G1K 7P4

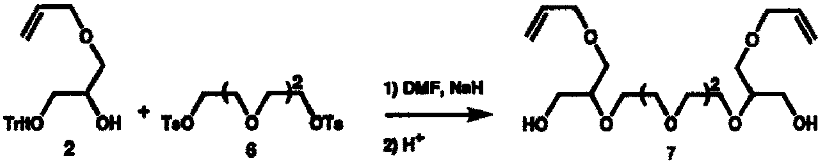


a) KH, HMPA / THF, -78°C to 50°C; b) TsOH / Benzene; c) $Me_2Ti(OiPr)_2$; d) H_2, PtO_2 / AcOH

Tetrahedron Letters, **1994**, *35*, 2853

TWO NEW METHODS TO FORM SUBSTITUTED OLIGOETHYLENE GLYCOLS

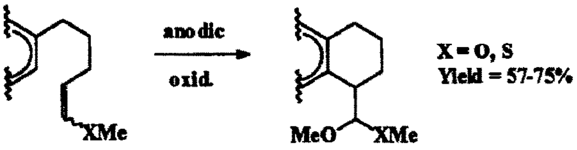
Krzysztof E. Krakowiak,[a] Jerald S. Bradshaw[b,*] and Peter Huszthy[b]
[a]IBC Advanced Technologies, Inc., 505 East 1860 South, Provo, UT 84606 U.S.A.
[b]Department of Chemistry, Brigham Young University, Provo, UT 84602 U.S.A.



INTRAMOLECULAR ANODIC OLEFIN COUPLING REACTIONS: INITIAL STUDIES CONCERNING THE USE OF ELECTRON-RICH ARYL RINGS. Kevin D. Moeller* and Dallas G. New, Department of Chemistry, Washington University, St. Louis, Missouri 63130.

Tetrahedron Letters, **1994**, *35*, 2857

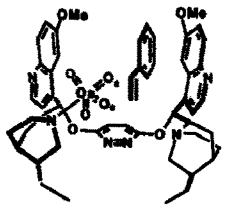
Intramolecular anodic olefin coupling reactions involving electron-rich aryl rings were shown to afford fused bicyclic ring skeletons. The reactions were compatible with the use of heteroaromatic rings.



Tetrahedron Letters, **1994**, *35*, 2861

X-Ray Crystallographic Studies Provide Additional Evidence That An Enzyme-Like Binding Pocket Is Crucial to The Enantioselective Dihydroxylation of Olefins by OsO_4–Bis-cinchona Alkaloid Complexes

E. J. Corey,* Mark C. Noe and Sepehr Sarshar
Department of Chemistry, Harvard University
Cambridge, Massachusetts 02138



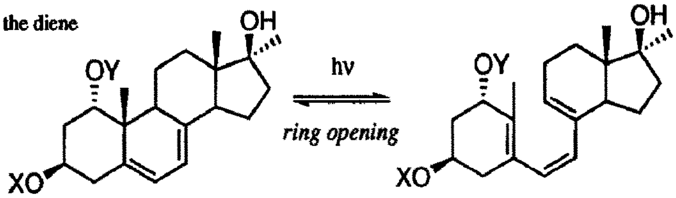
transition state for dihydroxylation

Tetrahedron Letters, **1994**, *35*, 2865

EFFECTS OF TRIALKYLSILYL PROTECTING GROUPS ON THE PHOTOLYSIS OF 1α-HYDROXY-PROVITAMIN D_3

Masami Okabe, Ruen-Chu Sun and Steven Wolff, Roche Research Center, Hoffmann-La Roche Inc., Nutley, New Jersey 07110 USA

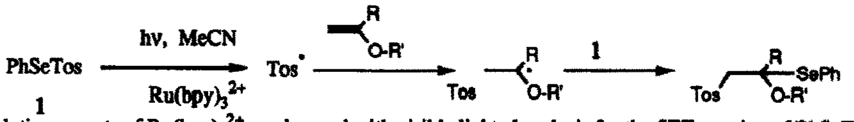
The quantum yield of the photolytic opening of the diene ring decreases with an increase in the size of the protecting group on the 1α-hydroxy group.



Tetrahedron Letters, **1994**, *35*, 2869

$Ru(bpy)_3^{2+}$-Mediated Addition of Se-Phenyl p-Tolueneselenosulfonate to Electron Rich Olefins

Derek H. R. Barton,* Maria A. Csiba, and Joseph Cs. Jaszberenyi,
Department of Chemistry, Texas A&M University, College Station, Texas, 77843



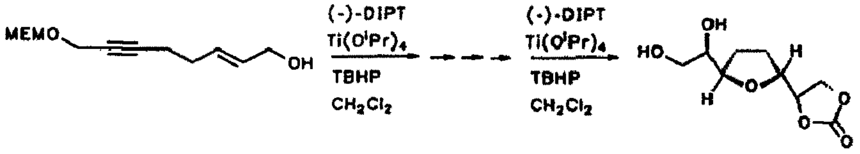
Catalytic amounts of $Ru(bpy)_3^{2+}$ can be used with visible light photolysis for the SET reaction of PhSeTos, leading to selenoethers in a further reaction with electron rich olefins in 80-95% yield.

Tetrahedron Letters, **1994**, *35*, 2873

AN APPROACH TOWARDS 2,5-DISUBSTITUTED TETRAHYDROFURANS OF ANNONACEOUS ACETOGENINS.

R. Hoppe, M. Flasche and H.-D. Scharf*, Inst. f. Organische Chemie der RWTH Aachen, Prof. Pirlet-Str. 1, D-52056 Aachen (Germany)

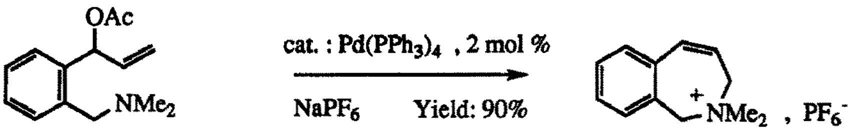
Synthesis of a 2,5-disubstituted tetrahydrofuran, part of naturally occurring Annonaceous acetogenins, using Sharpless AE.



Tetrahedron Letters, **1994**, *35*, 2877

PD CATALYSED INTRAMOLECULAR COUPLING BETWEEN TERTIARY AMINES AND ALLYLIC GROUPS; SYNTHESIS OF 3-HYDRO-1*H*-2-BENZAZEPINIUM SALTS.

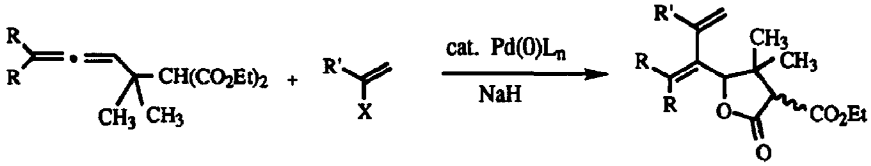
M. Grellier[a,b], M. Pfeffer[a], G. van Koten[b],
a) U.L.P., 4 rue Blaise Pascal, F-67070, France.
b) University of Utrecht, Padualaan 8, 3584 CH Utrecht, The Netherlands.



Tetrahedron Letters, **1994**, *35*, 2881

PALLADIUM-CATALYSED ALKYLATIVE CYCLISATION OF 2,3-BUTADIENYLMALONATES TO γ-LACTONES.

L.Besson, J.Bazin, J.Goré and B. Cazes *.
Laboratoire de Chimie Organique 1, Université Claude Bernard, ESCIL, 43 bd du 11 Novembre 1918, 69622 Villeurbanne, France.



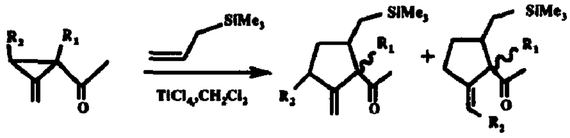
Unexpected palladium-catalyzed alkylative O-cyclisation to 4-dienyl γ-lactones from allenic malonates and vinyl halides.

Tetrahedron Letters, **1994**, *35*, 2885

A NOVEL CYCLOPENTANE ANNULATION BY [3+2] CYCLOADDITION OF SUBSTITUTED METHYLENECYCLOPROPYL KETONES WITH ALLYLTRIMETHYLSILANE.

Honoré Monti*, Denis Rizzotto, Gilbert Léandri. Laboratoire de Réactivité Organique Sélective, associé au CNRS. Faculté des Sciences de St- Jérôme. 13397 Marseille cedex 20 - France.
Jean-Pierre Monti Laboratoire de Biophysique. 80037 Amiens - France.

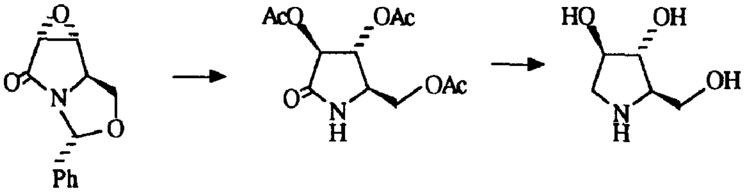
A new [3+2] cyloaddition between allyltrimethyl-silane and methylenecyclopropyl ketones, in which allyltrimethylsilane acts as the formal 1,2-partner, affords methylene or alkylidenecyclopentanes.



Tetrahedron Letters, **1994**, *35*, 2889

A Short Diastereoselective Synthesis of the Natural (2*R*,3*R*,4*R*)-2-Hydroxymethyl-3,4-Dihydroxypyrrolidine

Dominique Griffart-Brunet and Nicole Langlois*
Institut de Chimie des Substances Naturelles, C.N.R.S., 91190 Gif-sur-Yvette, France

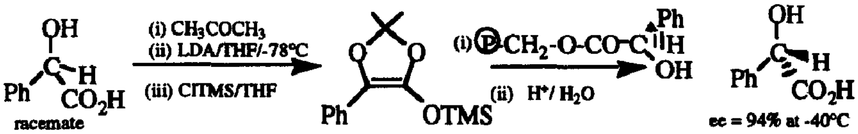


Tetrahedron Letters, **1994**, *35*, 2891

A FIRST APPROACH TO ASYMMETRIC PROTONATION *VIA* A POLYMER SUPPORTED CHIRAL PROTON DONOR

Florine Cavelier, Sylvie Gomez, Robert Jacquier and Jean Verducci
URA 468 Université Montpellier II. Place E. Bataillon, 34095 MONTPELLIER cedex 05 FRANCE

Asymmetric protonation of achiral silyl enol ethers is substantially improved by use of a polymer supported chiral proton donor and choice of the optimum temperature

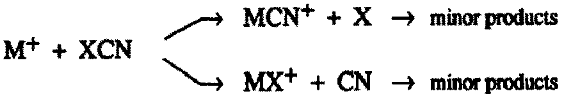


Tetrahedron Letters, **1994**, *35*, 2895

GAS-PHASE REACTIVITY OF TRANSITION METAL CATIONS WITH CYANOGEN RADICAL PRECURSORS

Michel Sablier, Laure Capron, Hélène Mestdagh, Christian Rolando

Ecole Normale Supérieure, Département de Chimie, associé au CNRS, 24 rue Lhomond, 75231 Paris cedex 05 - France



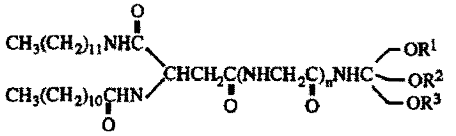
M = Sc ... Zn
X = Br, I

Tetrahedron Letters, **1994**, *35*, 2899

SYNTHESIS OF DOUBLE-CHAIN GLYCOLIPIDS DERIVED FROM ASPARTIC ACID : PRELIMINARY INVESTIGATION OF THEIR COLLOIDAL BEHAVIOR.

Ange Polidori[a], Bernard Pucci[a], Jean G. Riess[b], Leila Zarif[b], and André A. Pavia[a]*a) Université d'Avignon, Laboratoire de Chimie Bioorganique, 33 Rue Louis Pasteur, 84000 Avignon, FRANCE. b) Université de Nice-Sophia Antipolis, Laboratoire de Chimie Moléculaire, associé au CNRS, Parc Valrose, 06108 Nice cedex 2, FRANCE.

Double-tailed glycolipids derived from mono-, di- and tri-*O*-galactosyl tris-(hydroxymethyl) aminomethane and aspartic acid have been synthesized. Water dispersions of these amphiphiles showed the presence of either vesicles, helical structures or fibers depending on the glycolipid structure.



A_1: n=1 R^1 = β-D-Gal ; $R^2 = R^3$ = H A_2: n=1 $R^1 = R^2$ = β-D-Gal ; R^3 = H
A_3: n=1 $R^1 = R^2 = R^3$ = β-D-Gal A_4: n=2 $R^1 = R^2 = R^3$ = β-D-Gal

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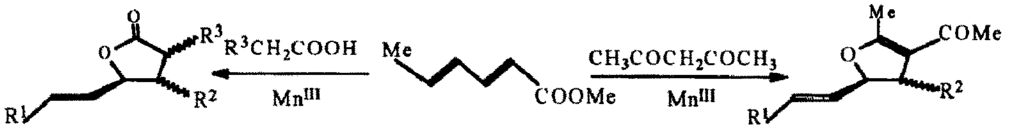
Tetrahedron Letters, **1994**, *35*, 2903

REGIO- AND STEREOSELECTIVITY OF Mn^{III} -MEDIATED ADDITION OF ACETIC ACID, POTASSIUM METHYL MALONATE AND ACETYLACETONE ON METHYL SORBATE

L. Lamarque, A. Méou and P. Brun*. Laboratoire de Synthèse Organique Sélective. associé au CNRS, URA 1320,
Faculté des Sciences de Luminy. 163 Avenue de Luminy. case 901, F-13288, Marseille Cedex 9, France.

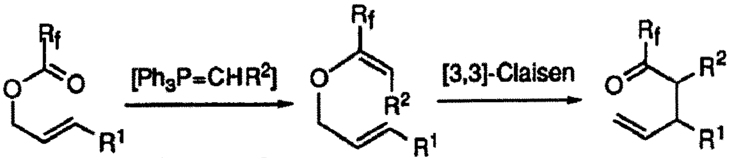
Regio- and stereoselectivity of Mn^{III} -induced addition of acetic acid, potassium methyl malonate and acetyl acetone on methyl sorbate are compared.



Tetrahedron Letters, **1994**, *35*, 2907

CLAISEN REARRANGEMENT OF α-(*F*-ALKYL)ENOL ETHERS PREPARED *VIA* WITTIG OLEFINATION OF ALLYL PERFLUOROALKANOATES

Jean-Pierre Bégué,* Danièle Bonnet-Delpon, Shen-Weng Wu, and Abderrahim M'Bida,
CNRS-BIOCIS, Faculte de Pharmacie, 92296 Chatenay-Malabry, France
Toshiro Shintani and Takeshi Nakai*, Department of Chemical Technology, Tokyo Institute of Technology, Meguro, Tokyo 152, Japan



$R^1=CH_3$, $R^2=CH_2CH_2Ph$; Rf = CF_3, C_2F_5

A CONVENIENT SYNTHESIS OF 3,4-DIHYDRO-2,2-DIOXIDE-5-HYDROXY-2,1-BENZOTHIAZINE

Tetrahedron Letters, **1994**, *35*, 2911

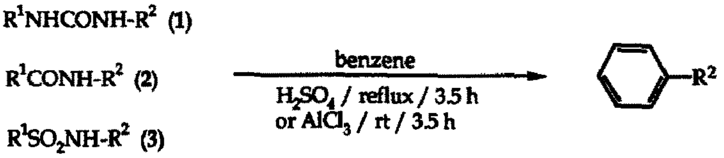
Dominique BLONDET*, Jean-Claude PASCAL
Recherche Syntex France, 91310 Leuville sur Orge, France

Compound 1 has been successfully synthesized from 3-methoxy-2-methyl-aniline in 7 steps and 12% overall yield.

Friedel-Crafts Alkylation Reactions of Benzene with Amide Bond Containing Compounds

Tetrahedron Letters, **1994**, *35*, 2913

Kun Hoe Chung, Jae Nyoung Kim, and Eung K. Ryu*
Korea Research Institute of Chemical Technology, P. O. Box 9, Daedeog-Danji, Daejeon 305-606, Korea



$R^1NHCONH\text{-}R^2$ (1)

$R^1CONH\text{-}R^2$ (2)

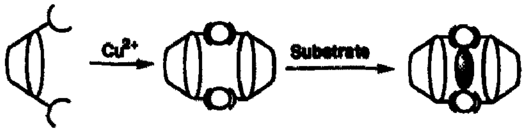
$R^1SO_2NH\text{-}R^2$ (3)

Synthesis of and Amine Recognition with a Cu(II)-bridged Biscalix[4]arene

Tetrahedron Letters, **1994**, *35*, 2915

Kiyoshi Fujimoto and Seiji Shinkai*
Department of Organic Synthesis, Faculty of Engineering, Kyushu University, Fukuoka 812, Japan

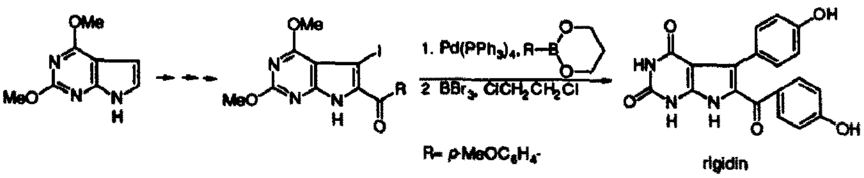
Cu(II)-bridged biscalix[4]arene was synthesized and the cage-shaped compound recognized diamine substrates using a cavity composed of two Cu(II)-chelate complexes.



TOTAL SYNTHESIS OF A MARINE ALKALOID, RIGIDIN

Tetrahedron Letters, **1994**, *35*, 2919

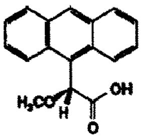
Takao Sakamoto*, Yoshinori Kondo, Shuichiroh Sato, and Hiroshi Yamanaka
Pharmaceutical Institute, Tohoku University
Aobayama, Aoba-ku, Sendai 980, Japan



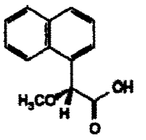
Tetrahedron Letters, **1994**, *35*, 2921

NEW CHIRALITY RECOGNIZING REAGENTS FOR THE DETERMINATION OF ABSOLUTE STEREOCHEMISTRY AND ENANTIOMERIC PURITY BY NMR.

J. M. Seco, Sh. Latypov, E. Quiñoá and R. Riguera.* Departamento de Química Orgánica, Facultad de Química, Universidad de Santiago. 15706 Santiago de Compostela, Spain.



(R)-8



(R)-6

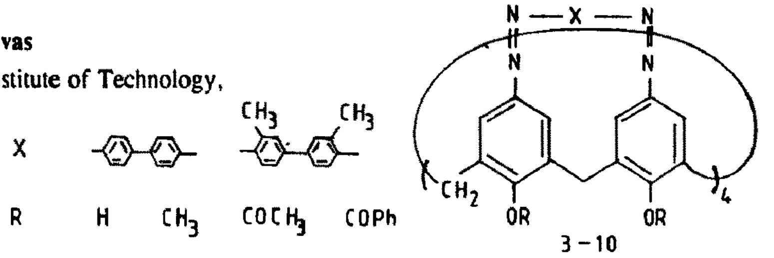
A new generation of chiral derivatizing reagents (3-8) for determination of absolute stereochemistry by NMR is presented. These compounds afford much better stereo discrimination than the hitherto standard reagents MTPA and MPA.

Tetrahedron Letters, **1994**, *35*, 2925

SYNTHESIS OF NEW CHROMOGENIC CALIX(8)ARENES

H.Mohindra Chawla* and K.Srinivas
Department of Chemistry, Indian Institute of Technology,
New Delhi 110016, India.

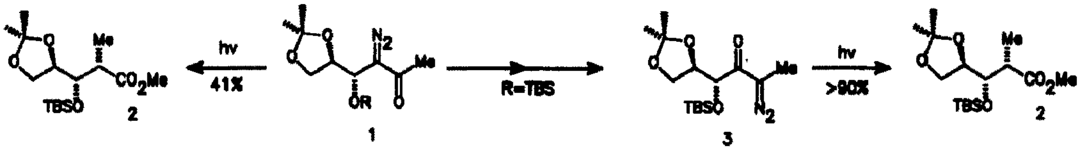
Synthesis of new chromogenic calix(8)arenes **3-10** is described



Tetrahedron Letters, **1994**, *35*, 2929

β-OXY-α-DIAZO CARBONYL COMPOUNDS.II. CONVERSION TO CHIRAL α-OXY-α'-DIAZO KETONES AND PHOTOCHEMICAL REACTION.

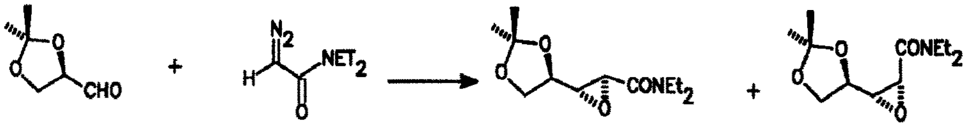
Fidel J. López-Herrera and Francisco Sarabia-García
Departamento de Química Orgánica. Facultad de Ciencias. Universidad de Málaga. 29071 Málaga. Spain.



Tetrahedron Letters, **1994**, *35*, 2933

STEREOSELECTIVE SYNTHESIS OF 2,3-EPOXY-AMIDES BY ALDOL-LIKE CONDENSATION OF 2,3-O-ISOPROPYLIDENE-D-GLYCERALDEHYDE WITH N,N-DIETHYL DIAZOACETAMIDE.

Fidel J. López-Herrera ; Francisco Sarabia-García and María S. Pino González
Departamento de Química Orgánica. Facultad de Ciencias. Universidad de Málaga. 29071 Málaga. Spain.

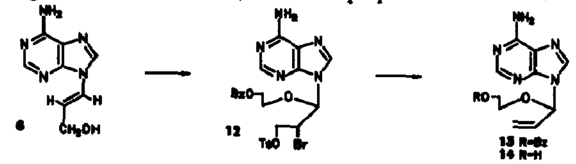


SYNTHESIS OF NOVEL 3',4'-SECO ANALOGUES OF DIDEHYDRO DIDEOXY NUCLEOSIDES AS POTENTIAL ANTIVIRAL AGENTS

Tetrahedron Letters, **1994**, *35*, 2937

Milan Jokić* and Vinko Škarić, Laboratory of Stereochemistry and Natural Products, Department of Organic Chemistry and Biochemistry, "Rudjer Bošković" Institute, 41001 Zagreb, P.O.B. 1016, Croatia

The 3',4'-seco analogues of d4A, 13 and 14, have been prepared from unsaturated 6 via 3',4'-seco compound 12.

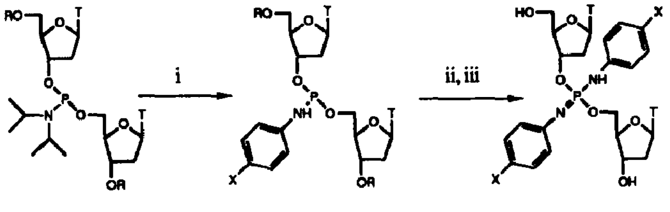


SYNTHESIS OF DINUCLEOSIDE PHOSPHORAMIDIMIDATES

Tetrahedron Letters, **1994**, *35*, 2941

Kirsten Bjergårde, Otto Dahl and Marvin H. Caruthers†*
Institute of Chemistry, University of Copenhagen,
Universitetsparken 5, DK-2100 Copenhagen, Denmark
†Department of Chemistry and Biochemistry,
University of Colorado at Boulder,
Boulder Colorado 80309-0215, USA

The synthesis of a series of nucleoside derivatives of phosphoramidimidic acid is described.

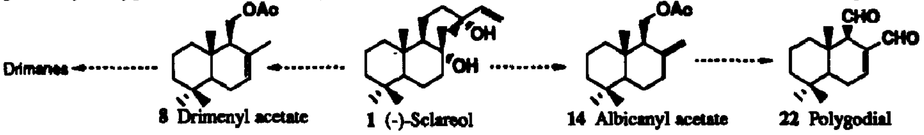


SYNTHESIS OF BIOLOGICALLY ACTIVE DRIMANES FROM (-)-SCLAREOL

Tetrahedron Letters, **1994**, *35*, 2945

Alejandro F. Barrero,* Enrique J. Alvarez-Manzaneda, Joaquín Altarejos,
Sofía Salido and José M. Ramos.
Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Granada, 18071 Granada (Spain)

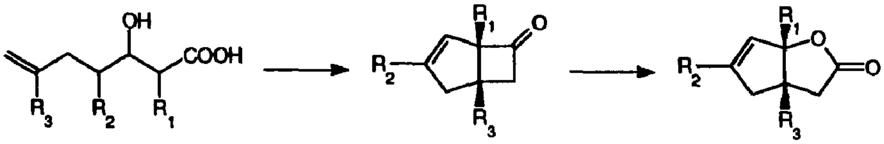
Drimenyl acetate (8) and albicanyl acetate (14) have been synthesized from (-)-sclareol (1), in 42% (4 steps) and 32% (5 steps) overall yields, respectively. Polygodial (22) has been synthesized for the first time from albicanyl acetate (14) in 4 steps in 50% overall yield.



A NEW, EFFECTIVE ROUTE TO METHYL SUBSTITUTED 3,3a,4,6a-TETRAHYDRO-2*H*-CYCLOPENTA[*b*]FURAN-2-ONES.

Tetrahedron Letters, **1994**, *35*, 2949

Emanuela Marotta, Paolo Righi, Goffredo Rosini*
Dipartimento di Chimica Organica "A. Mangini" dell'Università
Viale Risorgimento 4, I-40136 Bologna (Italy)

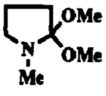


Tetrahedron Letters, **1994**, *35*, 2951

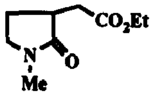
LACTAM ACETALS: PART XXIV - REACTION WITH ACTIVATED HALOALKYL COMPOUNDS WITH AND WITHOUT ZINC

Sanjay Jain, Rahul Jain, Jujhar Singh and Nitya Anand *
Medicinal Chemistry Division, Central Drug Research Institute, Lucknow 226001, India.

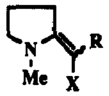
Lactam acetals (3) reacts with activated haloalkyl compounds to give 5; however, when the reaction was carried out in the presence of zinc (Reformatsky condition) 6 & 7 were formed, which are key intermediate in the synthesis of compounds of medicinal interest.



3



5



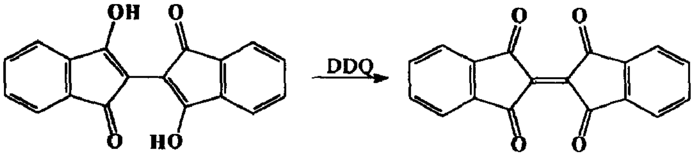
6,7

R = H, Me, Et
X = CO_2Et, 4-(2-oxo-dihydroquinolyl)

Tetrahedron Letters, **1994**, *35*, 2955

A NEW STRONG ELECTRON ACCEPTOR. THE RESURRECTION OF 2,2'-BIINDANYLIDENE-1,3,1',3'-TETRAONE (BIT).

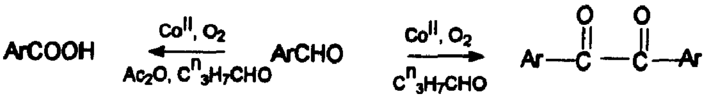
Vladimir Khodorkovsky*, Arkady Ellern and Ojars Neilands*, Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva, 84120, Israel; Department of Organic Chemistry, Riga Technical University, Riga, LV1685, Latvia



Tetrahedron Letters, **1994**, *35*, 2959

COBALT CATALYSED SYNTHESIS OF 1,2-DIONES FROM AROMATIC ALDEHYDES IN THE PRESENCE OF n-BUTANAL

T. Punniyamurthy, Swinder Jeet Singh Kalra and Javed Iqbal*
Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, INDIA



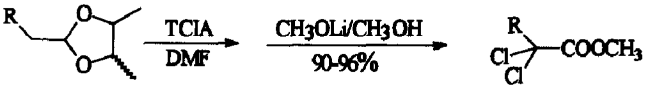
$$\mathrm{ArCOOH} \xleftarrow[\mathrm{Ac_2O,\ C^{n}{}_3H_7CHO}]{\mathrm{Co^{II},\ O_2}} \mathrm{ArCHO} \xrightarrow[\mathrm{C^{n}{}_3H_7CHO}]{\mathrm{Co^{II},\ O_2}} \mathrm{Ar{-}\overset{O}{\overset{\|}{C}}{-}\overset{O}{\overset{\|}{C}}{-}Ar}$$

Tetrahedron Letters, **1994**, *35*, 2961

METHYL α,α-DICHLORO-ESTERS BY OXIDATION-CHLORINATION OF CYCLIC ACETALS WITH TRICHLOROISOCYANURIC ACID.

Franco Bellesia, Monica Boni, Franco Ghelfi* and Ugo M. Pagnoni
Dipartimento di Chimica dell' Università, via Campi 183, I-41100, Modena (Italy).

Methyl α-chloro- or α,α-dichloro-esters are obtained in excellent yields by oxidation-chlorination of 2-alkyl-4,5-dimethyl-1,3-dioxolanes with trichloroisocyanuric acid.



Tetrahedron Letters, **1994**, *35*, 2965

NAPHTHALENE-CATALYSED REDUCTIVE DESULFONYLATION WITH LITHIUM: ALKYLLITHIUMS FROM ALKYL PHENYL SULFONES

D. Guijarro and M. Yus*
Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain

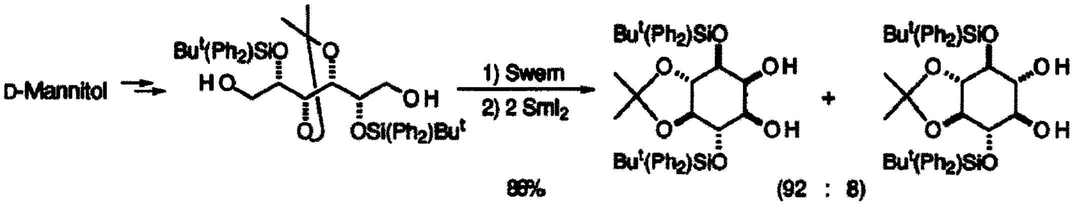
$$\underset{\mathbf{1}}{PhSO_2R} \longrightarrow \underset{\mathbf{2}}{(RLi)} \longrightarrow \underset{\mathbf{3}\ (30\text{-}61\%)}{RE}$$

$$\left[\begin{array}{l} R{=}Et,\ CH_2{=}CHCH_2,\ Pr^i,\ PhCH_2 \\ \textit{Reagents}\text{: i, Li, } C_{10}H_8,\ \text{cat. (8 mol \%)},\ E^+ = Pr^iCHO,\ PhCHO,\ Et_2CO,\ \overline{(CH_2)_5CO},\ Me_3SiCl;\ \text{ii, } H_2O \end{array}\right]$$

Tetrahedron Letters, **1994**, *35*, 2969

A STEREOSELECTIVE ROUTE TO ENANTIOMERICALLY PURE *MYO*-INOSITOL DERIVATIVES STARTING FROM D-MANNITOL.

Jose Luis Chiara* and Manuel Martín-Lomas.
Instituto de Química Orgánica General, CSIC, Juan de la Cierva 3, E-28006 Madrid, Spain

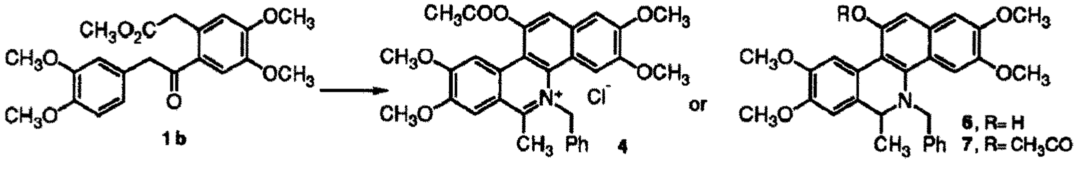


Tetrahedron Letters, **1994**, *35*, 2973

A CONVENIENT APPROACH TO THE SYNTHESIS OF BENZO[*c*]PHENANTHRIDINES *VIA* INTRAMOLECULAR CYCLIZATION OF ENAMIDES

Nuria Sotomayor, Esther Domínguez, and Esther Lete,* Dep. Química Orgánica, F. Ciencias, Universidad País Vasco, Bilbao, Spain.

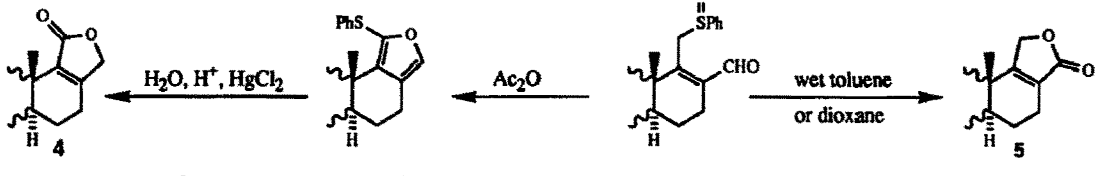
Planar 8,9-disubstituted benzo[c]phenanthridinium salts **4** are prepared by Bischler-Napieralski cyclization of naphthylamides (2 steps from ketoester **1b**), while the dihydro derivatives **6** and **7** are formed *via* C-2' functionalized 3-arylisoquinolines (4 steps from **1b**).



Tetrahedron Letters, **1994**, *35*, 2977

A REGIOSELECTIVE ANNULATION OF BUTENOLIDES THE TOTAL SYNTHESIS OF (±)-CONFERTIFOLIN

Ben J.M.Jansen, Catharina T.Bouwman, and Aede de Groot, Department of Organic Chemistry, Agricultural University, Dreijenplein 8, 6703 HB Wageningen, The Netherlands

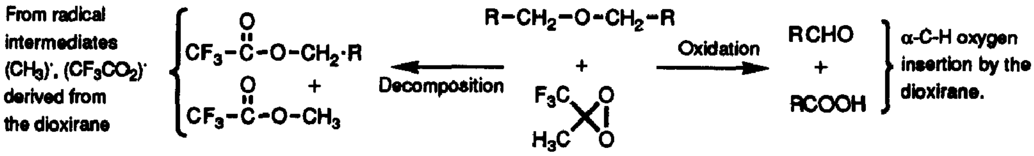


γ-(Phenylsulfinyl)-α,β-unsaturated aldehydes give regioselectively butenolides of type **4** or **5** depending upon the conditions used.

Tetrahedron Letters, **1994**, *35*, 2981

DECOMPOSITION OF DIOXIRANES INDUCED BY DIALKYL ETHERS

Marta Ferrer, Francisco Sánchez-Baeza, Josefina Casas and Angel Messeguer *
Dpt. of Biological Organic Chemistry, CID (CSIC). J. Girona, 18. 08034 Barcelona, Spain.

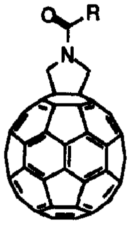


Tetrahedron Letters, **1994**, *35*, 2985

Synthesis of N-Acylated Fulleropyrrolidines: New Materials for the Preparation of Langmuir-Blodgett Films Containing Fullerenes

M. Maggini,[a] A. Karlsson,[a] L. Pasimeni,[b] G. Scorrano,[a] M. Prato*[,c] and L. Valli[d]

[a] C.M.R.O., Dipartimento di Chimica Organica, Via Marzolo 1, 35131 Padova, Italy
[b] Dipartimento di Chimica Fisica, Università di Padova, Via Loredan 2, 35131 Padova, Italy
[c] Dipartimento di Scienze Farmaceutiche, Università di Trieste, Piazzale Europa 1, 34127 Trieste, Italy
[d] Dipartimento di Scienza dei Materiali, Università di Lecce, Via Arnesano 130, 73100 Lecce, Italy



New C_{60} derivatives suitable for Langmuir-Blodgett film preparation have been synthesized.