

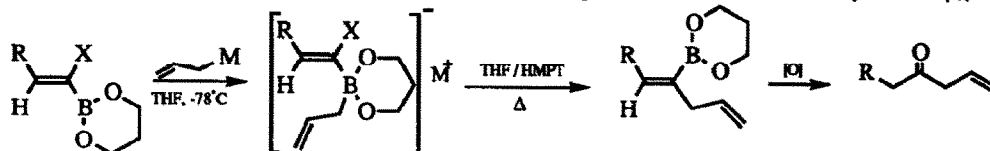
GRAPHICAL ABSTRACTS

A Convenient Synthesis of β,γ -Unsaturated Ketones via

Tetrahedron Letters, 1994, 35, 6963

Allylation of Z-1-Halo-1-Alkenyl-1,3,2-Dioxaborolane. Herbert C. Brown* and Raman Soundararajan
H.C. Brown and R.B. Wetherill Laboratories of Chemistry, Purdue University, West Lafayette, Indiana 47907 U.S.A

Allylation of Z-1-halo-1-alkenyl-1,3,2-dioxaborolane has been developed as a convenient route to the synthesis of β,γ -unsaturated ketones.



Tetrahedron Letters, 1994, 35, 6967

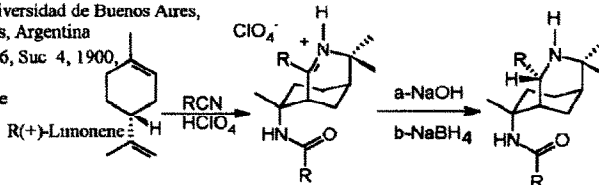
RITTER REACTION ON TERPENOIDS. III. STEREOSPECIFIC PREPARATION OF BICYCLIC [3.3.1] SUBSTITUTED PIPERIDINES

W.N. Samaniego,¹ A. Baldessari,¹ M.A. Ponce,¹ J.B. Rodriguez,^{1*} E.G. Gros,¹ J.A. Caram² & C.M. Marschoff²

¹Departamento de Química Orgánica, Universidad de Buenos Aires, Ciudad Universitaria, 1428, Buenos Aires, Argentina

²División Electroquímica, INIFTA, C.C. 16, Suc. 4, 1900, La Plata, Argentina.

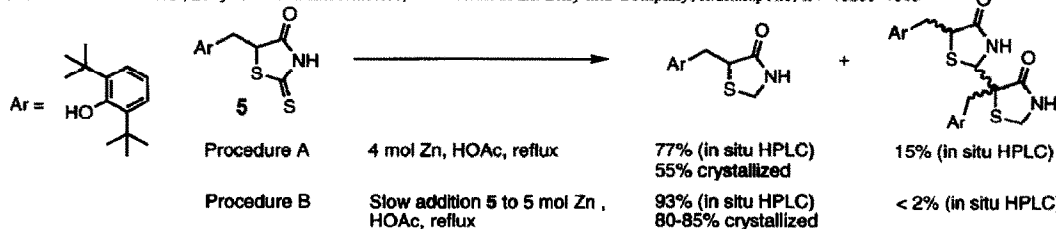
Optically pure substituted piperidines were synthesized from chiral monoterpenes



Tetrahedron Letters, 1994, 35, 6971

SYNTHESIS OF 4-THIAZOLIDINONES FROM RHODANINES BY THIOCARBONYL REMOVAL. Marvin M. Hansen* and Allen R. Harkness

Chemical Process R&D, Lilly Research Laboratories, A Division of Eli Lilly and Company, Indianapolis, IN 46285-4813

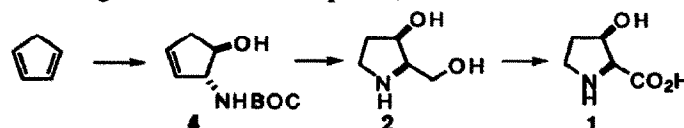


CHEMOENZYMATIC SYNTHESIS OF (2S,3R)-3-HYDROXYPROLINE FROM CYCLOPENTADIENE

Hari Sundram, Adam Golebiowski, and Carl R. Johnson*

Department of Chemistry, Wayne State University, Detroit, Michigan 48202-3489

Amido-alcohol 4, resolved using *Candida antarctica* lipase B, was transformed to 1 and 2.



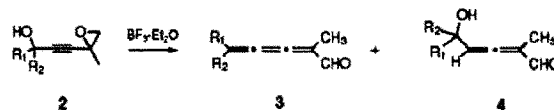
Tetrahedron Letters, 1994, 35, 6975

BORON TRIFLUORIDE CATALYZED REARRANGEMENT AND DEHYDRATION OF EPOXYALKYNOLS

Tetrahedron Letters, 1994, 35, 6977

Xiaoheng Wang, Bethzaida Ramos and Augusto Rodriguez*
Department of Chemistry
Clark Atlanta University, Atlanta, Ga. 30314

Epoxyalkynol **2** undergoes a rearrangement/dehydration when reacted with boron trifluoride to provide [3]cumulenal **3** and α -hydroxy allene **4**. The yields are moderate for the synthesis of diaryl[3]cumulenals ($R_1=R_2$ =Aryl).

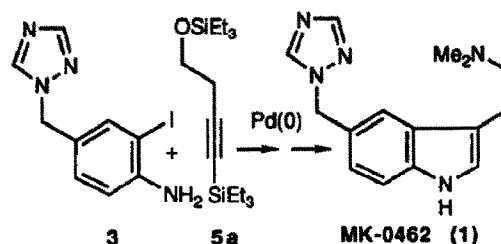


Synthesis of the 5-HT_{1D} Receptor Agonist MK-0462 via a Pd-catalyzed Coupling Reaction

Tetrahedron Letters, 1994, 35, 6981

Cheng-yi Chen*, David R. Lieberman, Robert D. Larsen, Robert A. Reamer, Thomas R. Verhoeven, Paul J. Reider, Department of Process Research, Merck Research Laboratories, P. O. Box 2000, Rahway, New Jersey 07065, USA
Ian F. Cottrell, Peter G. Houghton, Development Laboratories, Merck Research Laboratories, Hertford Road, Hoddesdon, Hertfordshire, EN11, 9BU, England

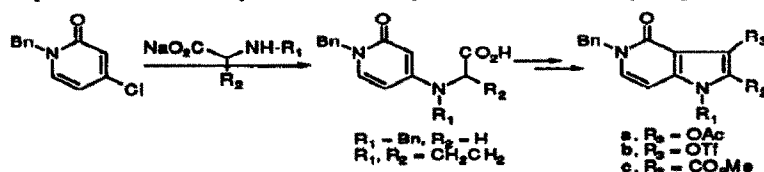
Application of a palladium-catalyzed coupling between **3** and **5a** to the synthesis of the novel 5-HT_{1D} receptor agonist MK-0462 (**1**), a potential anti-migraine drug, is described.



Cyclodehydration of 4-[(Carboxymethyl)amino]pyridin-2-ones. A New, Efficient Synthesis of Pyrrolo[3,2-c]pyridin-4-ones and Pyrido[3,4-b]pyrrolizidin-1-ones.

Tetrahedron Letters, 1994, 35, 6985

Eric D. Edstrom* and Tao Yu
Department of Chemistry and Biochemistry, Utah State University, Logan, Utah 84322

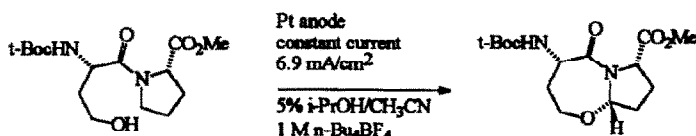


ANODIC AMIDE OXIDATIONS: CONFORMATIONALLY RESTRICTED PEPTIDE BUILDING BLOCKS FROM THE DIRECT OXIDATION OF DIPEPTIDES.

Tetrahedron Letters, 1994, 35, 6989

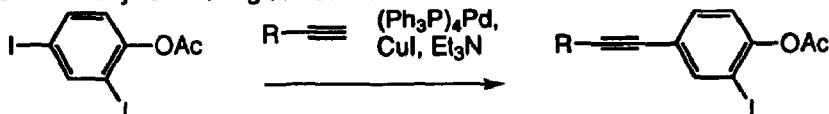
Fabrice Cornille,¹ Yvette M. Fobian,² Urszula Slomczynska,¹ Denise D. Beusen,³ Garland R. Marshall,^{1,3*} and Kevin D. Moeller.^{2*} ¹Department of Molecular Biology and Pharmacology, ²Department of Chemistry, and ³Center for Molecular Design, Washington University, St. Louis, MO 63130

The selective oxidation of dipeptide precursors has been shown to provide a rapid entry into bicyclic lactam based peptide mimetics.

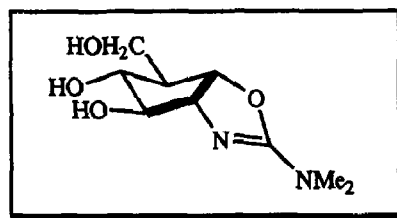


Regioselective Coupling Reactions of Diiodophenol Derivatives

Roderick W. Bates*, Christine J. Gabel and Jianhua Ji
 Department of Chemistry, University of North Texas, Denton, TX 76203-5068, USA
 Palladium catalyzed coupling reactions between *o,p*-diiodophenol derivatives and terminal alkynes are regioselective

**TOTAL SYNTHESIS OF (±)-ALLOSAMIZOLINE FROM A SYMMETRIC TRISUBSTITUTED CYCLOPENTENE**

Bradley K. Goering and Bruce Ganem*
 Department of Chemistry, Baker Laboratory
 Cornell University, Ithaca, NY 14853-1301 USA

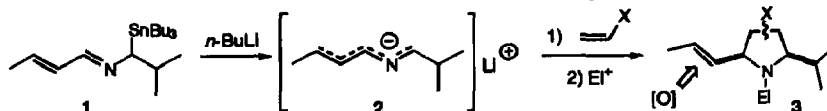


A short synthesis of the title compound was achieved via a highly selective HOBr addition to a cyclopentene-1,4-diol

GENERATION OF 2-AZAPENTADIENYL ANIONS AND THEIR CYCLOADDITION WITH ALKENES. SYNTHESIS OF 2-ALKENYLPYRROLIDINES.

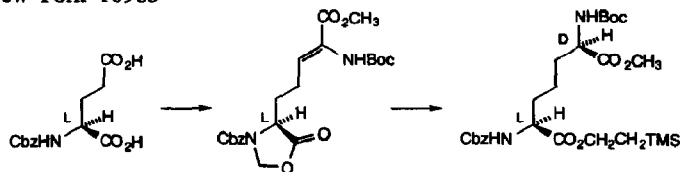
William H. Pearson* and Valerie A. Jacobs
 Department of Chemistry, The University of Michigan, Ann Arbor, MI 48109-1055

Transmetalation of the tin-substituted imines **1** gave the 2-azapentadienyl anions **2**, which underwent cycloaddition with alkenes to produce the 2-alkenylpyrrolidines **3**. Oxidations of the alkenyl group to diol, aldehyde and ester groups were accomplished.

**AN ASYMMETRIC SYNTHESIS OF DIFFERENTIALLY PROTECTED MESO-2,6-DIAMINOPIMELIC ACID**

Ryan C. Holcomb*, Steven Schow, S. Ayril-Kaloustian, and Dennis Powell
 Oncology and Immunology Research Section, American Cyanamid Company, Medical Research Division,
 Lederle Laboratories, Pearl River, New York 10965

Differentially protected *meso*-2,6-diaminopimelic acid has been prepared stereospecifically from L-glutamic acid.



Tetrahedron Letters, 1994, 35, 7009

1-ACYLOXY-2(1H)-PYRIMIDINE-2-THIONES AS NOVEL

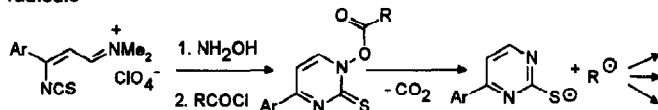
RADICAL PRECURSORS

Jürgen Liebscher*, Beate Riemer, Jürgen Bendig, Reinhard Stößler

Fachbereich Chemie, Humboldt-Universität Berlin, Hessische Strasse 1-2, D-10115 Berlin,

Germany

Synthesis of 1-acyloxy-2(1H)-pyrimidine-2-thiones and their conversion to synthetically useful radicals



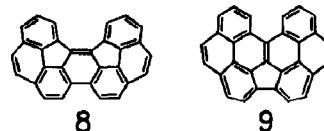
Tetrahedron Letters, 1994, 35, 7013

High Temperature Synthesis towards Bowl-Shaped Subunits of Fullerenes. III. From 4,4'-Bi-4H-cyclopenta[def]phenanthrenylidene towards

[5.5]Circulene. Stefan Hagen, Uta Nuechter, Matthias Nuechter and Gerhard Zimmermann*, Department of High

Temperature Reactions at the Institute of Chemical Technology, University of Leipzig, Permoserstr. 15, D-04303 Leipzig

Diindeno[4,3,2,1-opqr:4',3',2',1'-avut]picene (**8**) and dibenzo[mn,qr]fluoreno[2,1,9,8,7-defgh]naphthacene (**9**) was synthesized by thermal and catalytic dehydrocyclization, respectively.



Tetrahedron Letters, 1994, 35, 7015

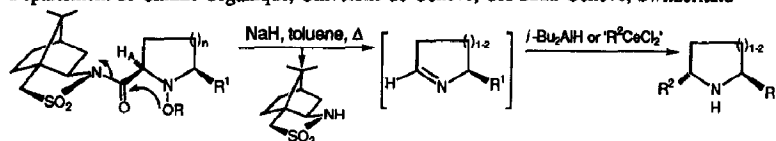
Diastereo- and Enantioselective Syntheses of (-)-Coniine,

(-)-Solenopsin A, (-)-Solenopsis fugax venom and (-)-Xenovenine

via Deoxygenative Decarboxylation of 2-Carbonylsultam-Substituted N-Hydroxy-Piperidines and -Pyrrolidines

Wolfgang Oppolzer, Christian G. Bochet and Eric Merifield

Département de Chimie Organique, Université de Genève, CH-1211 Genève, Switzerland



Tetrahedron Letters, 1994, 35, 7019

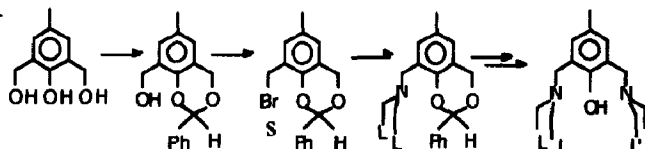
A VERSATILE KEY SYNTHON FOR THE SYNTHESIS OF

LIGANDS POTENTIALLY SUITED FOR PREPARATION OF μ -PHENOXY DIMETALLIC COMPLEXES WITH TWO NON EQUIVALENT COMPLEXATION SITES.

C. Belle*, G. Gellon, C. Scheer and Jean-Louis Pierre. Laboratoire de Chimie Biomimétique, LEDSS (URA CNRS 332)

Université J. Fourier, 38041 Grenoble Cedex, France.

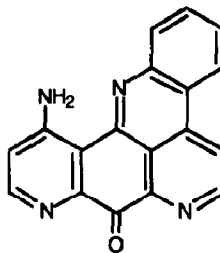
The synthon **S** may allow the syntheses of various dinucleating ligands bearing 2 chemically different coordination environments.



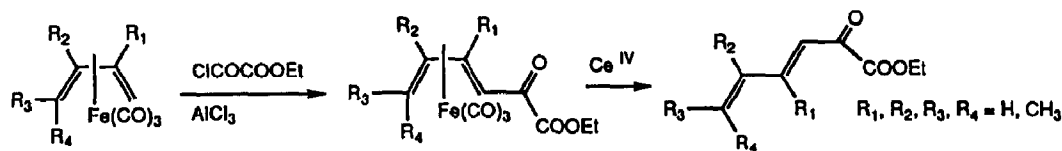
Cystodamine, a New Cytotoxic Fused Polyaromatic Alkaloid from the Mediterranean Ascidian *Cystodytes delle chiajei*.

Nataly Bontemps, Isabelle. Bonnard, Bernard Banaigs, Georges Combaut and Christian Francisco*.
G.E.M.M.I.B., Université de Perpignan, 66860 Perpignan Cedex (FRANCE).

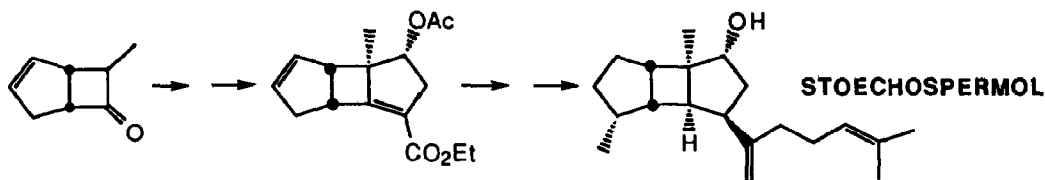
Abstract : a fused pentacyclic aromatic alkaloid -cystodamine- was isolated from a Mediterranean ascidian *Cystodytes delle chiajei* (Polycitoridae). The structure, determined by extensive 2D-NMR means, is the first example of a marine product displaying a ^1H - ^{14}N coupling during ^1H NMR analysis.

**SYNTHESIS OF DIENIC α -KETOESTERS BY FRIEDEL-CRAFTS REACTION OF ETHYL OXALYL CHLORIDE WITH TRICARBONYL IRON COMPLEXES OF E- AND Z- SUBSTITUTED ACYCLIC DIENES.**

Michel Franck-Neumann*, Philippe Geoffroy *Laboratoire de Chimie Organique Synthétique, Associé au CNRS, Institut de Chimie, Université Louis Pasteur, 1, rue Blaise Pascal 67000 - Strasbourg (France).*

**TOTAL SYNTHESIS OF (\pm) STOECHOSPERMOL.**

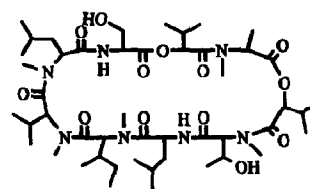
Michel Miesch*, Alain Cotté, Michel Franck-Neumann
* Laboratoire de Chimie Organique Synthétique, associé au CNRS, Institut de Chimie, Université Louis Pasteur, 1, rue Blaise Pascal 67000 - Strasbourg (France).

**Structure of BZR-cotoxin I Produced by *Bipolaris zeicola* race 3, the Cause of Leaf Spot Disease in Corn**

Kazuo Ueda, Jin-Zhong Xiao[†], Noriyuki, Doko[†] and Shin-ichi Nakatsuka*
Bio-organic Chemistry, Faculty of Agriculture, Gifu University, Yanagido, Gifu 501-11 Japan

[†]Plant Pathology, Faculty of Agriculture, Nagoya University, Nagoya 464, Japan

The structure of BZR-cotoxin I, a component of BZR-toxin produced by *Bipolaris zeicola* race 3, which causes leaf spot disease in corn, was determined to be a cyclic nonapeptide.

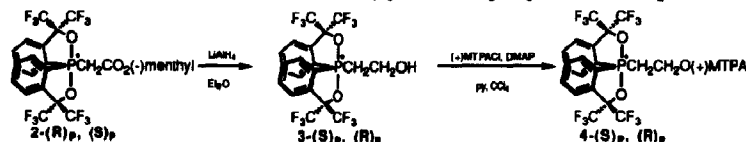


BZR-cotoxin I

Characterization of an Optically Active Pentacoordinate Phosphorane with Asymmetry Only at Phosphorus
Satoshi Kojima, Kazumasa Kajiyama, and Kin-ya Akiba*

Department of Chemistry, Faculty of Science, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 724 Japan

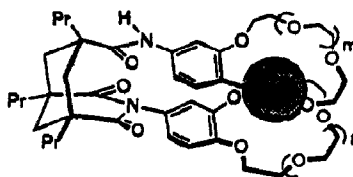
Resolution and stereochemical determination of enantiomerically pure 10-P-5 phosphoranes 3-(R)_P and 3-(S)_P could be achieved.



Highly Preorganized Bis(benzocrown ether)s for the Binding of Metal Ions

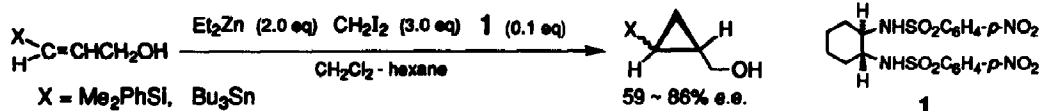
Kyu-Sung Jeong* and Seong Yup Pyun
Department of Chemistry, Yonsei University
Seoul 120-749, Korea

Several bis(crown ether)s were prepared and their complexation properties were determined through extractions of metal picrates.



First Catalytic and Enantioselective Synthesis of Silyl and Stannyl Substituted Cyclopropylmethanols

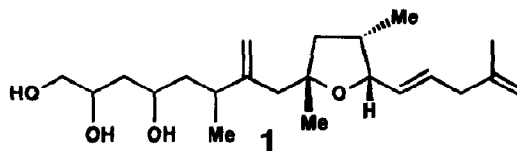
Nobuyuki Imai, Katsumasa Sakamoto, Hideyo Takahashi, and Susumu Kobayashi*
Sagami Chemical Research Center, Nishi-Onnuma, Sagamihara 229, Japan.



Amphidinin A, a Novel Amphidinolide-Related Metabolite from the Cultured Marine Dinoflagellate *Amphidinium* sp.

Jun'ichi Kobayashi*, Naoko Yamaguchi, and Masami Ishibashi

Faculty of Pharmaceutical Sciences,
Hokkaido University, Sapporo 060, Japan

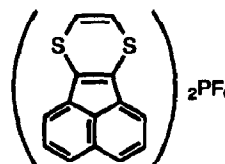


Amphidinin A (1), a novel cytotoxic linear natural product having an unprecedented carbon-skeleton, was isolated from the cultured marine dinoflagellate *Amphidinium* sp. Compound 1 is conceivable to be biogenetically related to amphidinolides.

7,10-DITHIAFLUOROANTHENE AND ITS CATION RADICAL SALT.

Hiroyuki Tani,^a Yoshihiro Kawada,^a Nagao Azuma,^b and Noboru Ono^c,^aAdvanced Instrumentation Center for Chemical Analysis; ^bDepartment of Chemistry, Faculty of General Education;^cDepartment of Chemistry, Faculty of Science, Ehime University, Matsuyama 790, Japan

The 7,10-Dithiafluoroanthene has been prepared as a good π -donor and form highly conducting cation radical salts with PF_6^- . The salt showed columnar stack structure between donors and anions and revealed high electrical conductivity at room temperature.

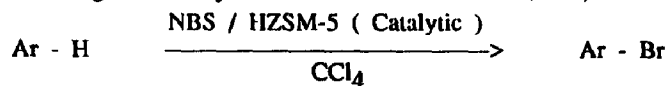


REGIOSELECTIVE BROMINATION of ACTIVATED AROMATIC SUBSTRATES with N-BROMOSUCCINIMIDE over HZSM-5.

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

National Chemical Laboratory, Pune-411008, India.

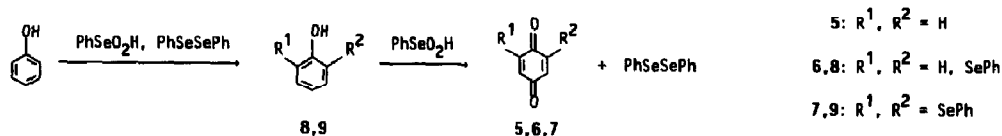
The nuclear as well as side chain bromination of activated aromatic substrates has been achieved in high yields and substantial regioselectivity with N-Bromosuccinimide (NBS) over HZSM-5.



COMPETING ENE-REACTIONS IN THE P-OXIDATION AND O-PHENYLSELENYLATION OF PHENOL WITH BENZENESELENINIC ACID.

Lars Henriksen, Department of Chemistry, University of Copenhagen, The H. C. Ørsted Institute, Universitetsparken 5, DK-2100 Copenhagen Ø, Denmark.

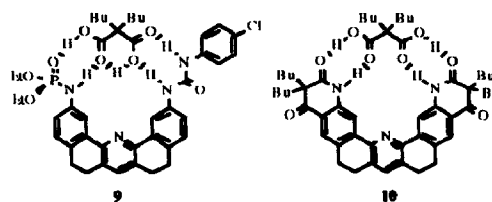
Reaction of phenol with benzeneseleninic acid gives 2-(phenylseleno)- and 2,6-bis(phenylseleno)-1,4-benzoquinone via the corresponding 2- and 2,6-phenylselenylated phenols.



IMPROVED RECEPTORS FOR DIBUTYLMALONIC ACID

M^a.L. Mussons, C. Raposo, M. Crego, J. Anaya, M^a.C. Caballero, J. R. Morán. *Departamento de Química Orgánica, Universidad de Salamanca, E-37008 Salamanca, Spain.*

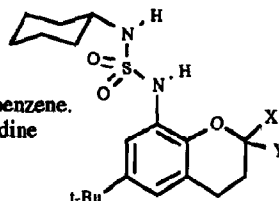
New molecular receptors with a dibenz[c,h]acridine skeleton bearing functional groups complementary to dibutylmalonic acid have been developed.



LACTONE RECEPTORS WITH CATALYTIC ACTIVITY

César Raposo, Marta Almaraz, Mercedes Crego, M^a Luisa Mussons, Nieves Pérez, M^a Cruz Caballero, Joaquín R. Morán.
Departamento de Química Orgánica, Universidad de Salamanca, E-37008 Salamanca, Spain.

Three cleft-type receptors associate 2(5H)-furanone in benzene. These complexes show greater reactivity toward pyrrolidine nucleophilic addition than the furanone itself.



Tetrahedron Letters, 1994, 35, 7065

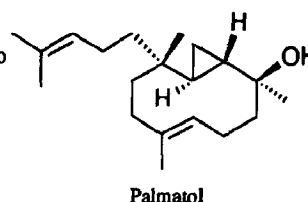
X	Y
CONHBu	H
CONHBu	CONHBu
CSNHBu	CSNHBu

A NEW DITERPENOID SKELETON FROM THE MEDITERRANEAN OCTOCORAL *ALCYONIUM PALMATUM*: STRUCTURE OF PALMATOL

Eva Zubia, Aldo Spinella,* Giovan Battista Giusto, Antonio Crispino and Guido Cimino
Istituto per la Chimica di Molecole di Interesse Biologico, C. N. R.
Via Toiano, 6 - 80072 Arco Felice (NA) - Italy

The soft coral *Alcyonium palmatum* contains palmatol, a diterpenoid with a new prenylbicyclgermacrane skeleton.

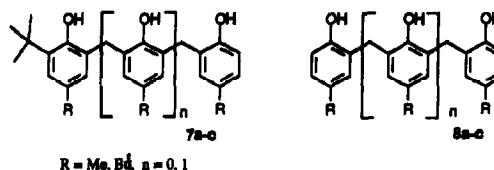
Tetrahedron Letters, 1994, 35, 7069



METAL-TEMPLATE *ORTHO*-REGIOSELECTIVE MONO- AND BIS-DE-*TERT*-BUTYLATION OF POLY-*TERT*-BUTYLATED PHENOLS

Giovanni Sartori*, Franca Bigi, Raimondo Maggi and Cecilia Porta
Dipartimento di Chimica Organica e Industriale dell'Università,
Viale delle Scienze, I-43100 Parma, Italy

Compounds **7** and **8** are obtained by *ortho*-regioselective mono- and bis-de-*tert*-butylation of poly-*tert*-butylated precursors.

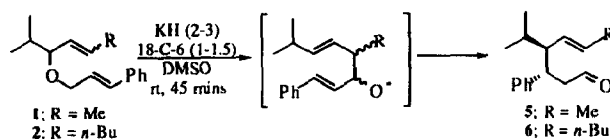


Tetrahedron Letters, 1994, 35, 7073

ACYCLIC STEREOCONTROL VIA SEQUENTIAL AND TANDEM [2,3]-WITTIG-ANIONIC OXY-COPE REARRANGEMENTS

Nicholas Greeves* and Katya Jane Vines
Robert Robinson Laboratories, Department of Chemistry, University of Liverpool, P.O. Box 147, Liverpool L69 3BX, U.K.

Acyclic bis-allylic ethers undergo a stereoconvergent 'one-pot' tandem or sequential [2,3]-Wittig-anionic oxy-Cope rearrangement to give the same δ,ϵ -unsaturated aldehyde

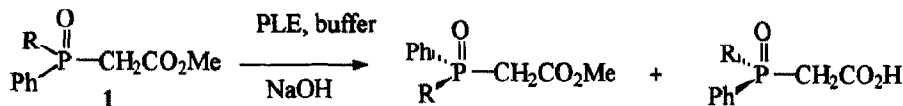


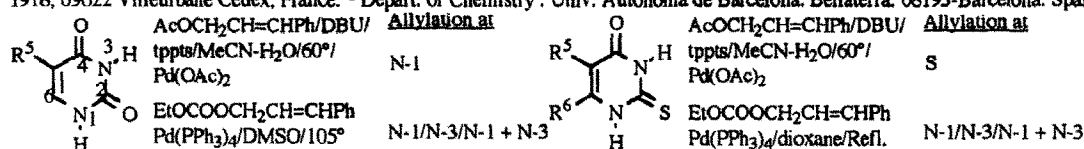
Tetrahedron Letters, 1994, 35, 7077

ENZYMATIC RESOLUTION OF RACEMIC PHOSPHINOYLACETATES
HAVING A STEREOGENIC PHOSPHORUS ATOM. P. Kiebasinski,

R. Zurawinski, K.M. Pietrusiewicz, M. Zablocka and M. Mikolajczyk*,

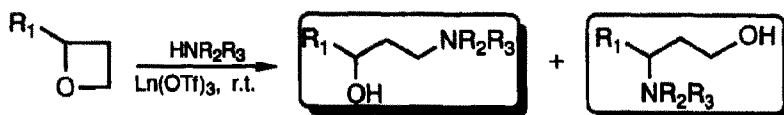
Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, 90-363 Łódź, Sienkiewicza 112, Poland

 Enzymatic hydrolysis of racemic phosphinoylacetates **1** gives the corresponding P-chiral phosphinoylacetic acids and unreacted esters in high enantiomeric purity (72-100% e.e.).

PALLADIUM(0)-CATALYZED ALLYLATION OF URACILS AND 2-THIOURACILS. DRASTIC EFFECT OF AN AQUEOUS REACTION MEDIUM ON THE REGIOSELECTIVITY.

 S. Sigismondi,^a D. Sinou,^{*a} M. Pérez,^{a,b} M. Moreno-Mañas,^{*b} R. Pleixats^b and M. Villarroya^b
^a Laboratoire de Synthèse Asymétrique, associé au CNRS, ESCIL, Université Claude Bernard Lyon I, 43, Boulevard du 11 Novembre 1918, 69622 Villeurbanne Cédex, France. ^b Depart. of Chemistry, Univ. Autònoma de Barcelona, Bellaterra, 08193-Barcelona, Spain.

AMINOLYSIS OF OXETANES: QUITE EFFICIENT CATALYSIS BY LANTHANIDE(III) TRIFLUOROMETHANSULFONATES

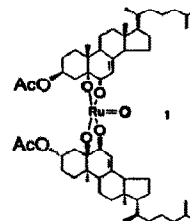
Paolo Crotti,* Lucilla Favero, Franco Macchia, and Mauro Pineschi

Dipartimento di Chimica Bioorganica, Università di Pisa, via Bonanno 33, 56126 Pisa, Italy

 Ln(III) trifluoromethansulfonates in CH₂Cl₂ efficiently catalyze the aminolysis of trimethylene oxide, 2-octyl- and 2-phenyloxetane, at r.t., to give the corresponding γ-amino alcohols in very good yields.

REACTION OF 7-DEHYDROCHOLESTERYL ACETATE WITH RuO₄.
FIRST ISOLATION OF A CYCLIC RUTHENIUM (VI) DIESTER.

Vincenzo Piccialli, Donato Sica and Dina Smaldone.

Dipartimento di Chimica Organica e Biologica, Università degli Studi di Napoli Federico II, Via Mezzocannone 16, 80134 Napoli, Italy.

 The cyclic ruthenate diester **1**, the first example of a ruthenium (VI) ester ever synthesized, has been obtained by reacting 7-dehydrocholesteryl acetate with RuO₄ in acetone-water at -60°C using an oxidant-substrate ratio of 1:1.


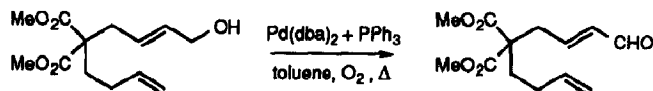
Tetrahedron Letters, 1994, 35, 7097

FORMATION OF α,β -UNSATURATED CARBONYL COMPOUNDS BY PALLADIUM-CATALYZED OXIDATION OF ALLYLIC ALCOHOLS.

Enrique Gómez-Bengoa,^a Pedro Noheda,^b and Antonio M. Echavarrén^{*a}

^a Departamento de Química, Universidad Autónoma de Madrid, Cantoblanco, 28049 Madrid, Spain.

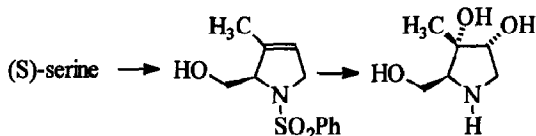
^b Instituto de Química Orgánica, CSIC, Juan de la Cierva 3, 28006, Madrid, Spain



Tetrahedron Letters, 1994, 35, 7099

Enantiospecific Synthesis of 3-Pyrrolines: A Route

to Novel Polyhydroxylated Pyrrolidines. Ian Burley and Alan T. Hewson* Division of Chemistry and Health Research Institute, Sheffield Hallam University, Pond Street, Sheffield S1 1WB.

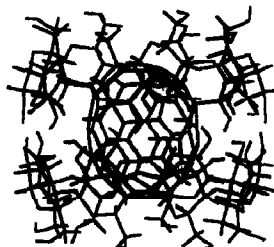


Enantiomerically pure 3-pyrrolines are obtained by intramolecular Wittig reaction from protected α -amino ketones and provide access to analogues of biologically active pyrrolidines.

Tetrahedron Letters, 1994, 35, 7103

HOST-GUEST CHEMISTRY OF FULLERENES; A WATER-SOLUBLE COMPLEX BETWEEN C₇₀ AND γ -CYCLODEXTRIN

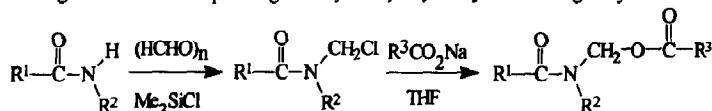
Thomas Andersson, Mikael Sundahl, Gunnar Westman and Olof Wennerström* Department of Organic Chemistry, Chalmers University of Technology, S-412 96 Göteborg, Sweden



A NEW DIRECT SYNTHESIS OF TERTIARY N-ACYLOXYMETHYL-AMIDE PRODRUGS OF CARBOXYLIC ACID DRUGS. Rui Moreira*

Eduarda Mendes, Teresa Calheiros, Maria J. Bacelo, CECF, Faculdade de Farmacia da Universidade de Lisboa, 1699 Lisboa Codex, Portugal; Jim Iley, Chemistry Department, The Open University, Walton Hall, Milton Keynes MK7 6AA, U.K.

N-alkyl-N-chloromethylamides, prepared from secondary amides, paraformaldehyde and chlorotrimethylsilane, react readily with carboxylate anions to generate the corresponding tertiary N-acyloxymethylamides in good yield

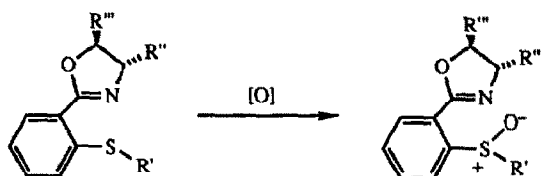


Tetrahedron Letters, 1994, 35, 7107

DIASTERESELECTIVE OXIDATION OF ARYLSULFIDES

Justin F Bower and Jonathan M. J. Williams*

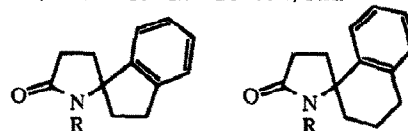
Department of Chemistry, Loughborough University of Technology, Loughborough, Leicestershire, LE11 3TU, UK.

Tetrahedron Letters, 1994, 35, 7111

Arylsulfides containing an enantiomerically pure oxazoline as an ortho-substituent have been oxidised to the corresponding sulfoxides with good levels of diastereoselectivity.

Novel Spiro Cyclisations of *N*-Acyliumium IonsPatrick D. Bailey,^a Keith M. Morgan,^b David I. Smith^c and John M. Vernon^{b*}^aHeriot-Watt University, Riccarton, Edinburgh EH14 4AS, U.K. ^bUniversity of York, Heslington, York YO1 5DD, U.K.^cDepartment of Chemical Development, Sterling Winthrop Research Centre, Alnwick, Northumberland NE66 2JH, U.K.*Tetrahedron Letters*, 1994, 35, 7115

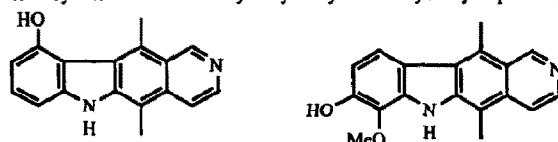
Spiro[indene-1,2'-pyrrolidin]-5'-ones and spiro[naphthalene-1,2'-pyrrolidin]-5'-ones (R = H, Me, CH₂Ph) are obtained in two steps from succinimides via cyclisation of *N*-acyliumium ion intermediates.

**SYNTHESIS OF NOVEL HYDROXYELLIPTICINES**

Priyanthi M. Dharmasena and Patrick V.R. Shannon, School of Chemistry, University of Wales, Cardiff, P.O. Box 912, Cardiff CF1 3TB, UK.

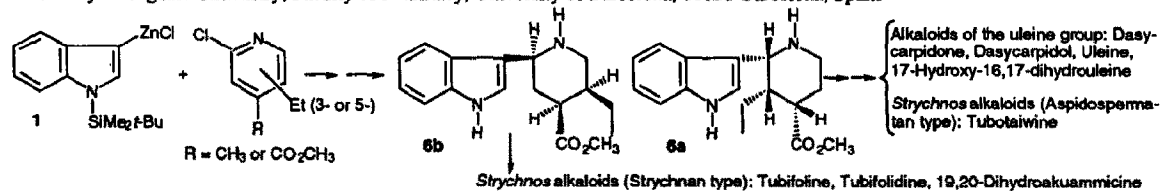
Tetrahedron Letters, 1994, 35, 7119

The total syntheses of 7-methoxy-8-hydroxy and 10-hydroxyellipticines are described.

**SHORT FORMAL SYNTHESSES OF INDOLE ALKALOIDS OF THE ULEINE AND STRYCHNOS GROUPS**

Mercedes Amat, Swargam Sathyanarayana, Sabine Hadida, and Joan Bosch

Laboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, 08028-Barcelona, Spain

Tetrahedron Letters, 1994, 35, 7123

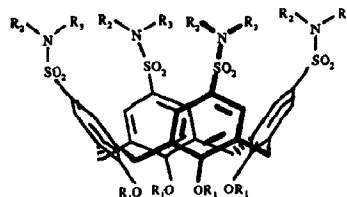
Tetrahedron Letters, 1994, 35, 7127

A SYSTEMATIC STUDY TO NEUTRAL, WATER SOLUBLE

CALIX[4]ARENES. Marcel H. B. Grote Gansey, Willem Verboom

and David N. Reinhoudt, Laboratory of Organic Chemistry, University of Twente, P. O. Box 217, 7500 AE Enschede, The Netherlands

The solubility of neutral sulfonamide calix[4]arenes, as determined by means of UV measurements, varies from $\sim 10^{-5}$ to 0.31 M.



$R_1 = \text{CH}_2\text{CH}_2\text{OCH}_3, \text{CH}_2\text{CO}_2\text{CH}_2\text{CH}_3$

$R_2 = \text{H}, \text{CH}_2\text{CH}_2\text{OH}$

$R_3 = \text{CH}_2\text{CH}_2\text{OH}, \text{C}(\text{CH}_2\text{OH})_3$

Tetrahedron Letters, 1994, 35, 7131

Biscalix[4]arene-Zn-tetraarylporphyrins

Dmitry M. Rudkevich, Willem Verboom, and David N. Reinhoudt

Laboratory of Organic Chemistry, University of Twente,

P. O. Box 217, 7500 AE Enschede, The Netherlands

By covalent combination of two calix[4]arene and one Zn-tetraarylporphyrin building blocks novel, large multifunctional receptors for molecular recognition have been prepared.

