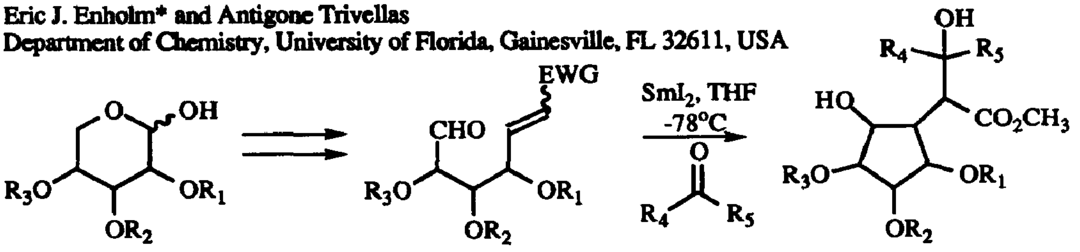
GRAPHICAL ABSTRACTS

Tetrahedron Letters, **1994**, *35*, 1627

SEQUENTIAL SmI$_2$-PROMOTED ONE- AND TWO-ELECTRON REACTIONS OF CARBOHYDRATES

Eric J. Enholm* and Antigone Trivellas
Department of Chemistry, University of Florida, Gainesville, FL 32611, USA

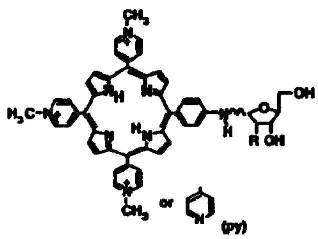


Tetrahedron Letters, **1994**, *35*, 1629

RIBOFURANOSIDES N-SUBSTITUTED WITH meso-PORPHYRIN AS NUCLEOSIDE-LIKE COMPOUNDS.

Handong Li and Leszek Czuchajowski*, Department of Chemistry, University of Idaho, Moscow, ID 83844, USA

meso-Tri(4-pyridyl)porphyrin-p-phenylene-1'-amino-D-ribose and -D-2-deoxyribose were synthesized together with their N-methyl-4-pyridinium derivatives.



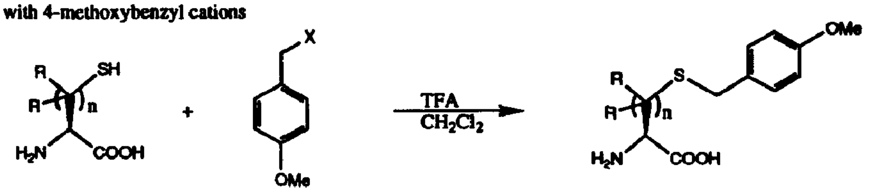
3 py, R=OH
4 py, R=H
5 N-Mepy, R=OH
6 N-Mepy, R=H

Tetrahedron Letters, **1994**, *35*, 1631

Two New Procedures for the Introduction of Benzyl-type Protecting Groups for Thiols.

Lutz S. Richter, James C. Marsters, Jr. and Thomas R. Gadek
Department of Bioorganic Chemistry, Genentech, Inc. 460 Point San Bruno Boulevard, South San Francisco, CA 94080

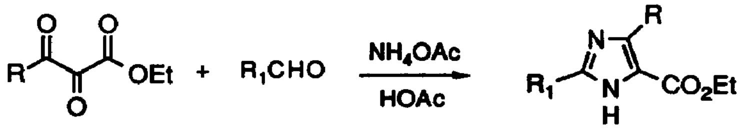
S-alkylations with 4-methoxybenzyl cations



Tetrahedron Letters, **1994**, *35*, 1635

An Efficient and Mild Synthesis of Highly Substituted Imidazoles

Marcus F. Brackeen,* Jeffrey A. Stafford, Paul L. Feldman, and Donald S. Karanewsky
Glaxo Research Institute, 5 Moore Drive, Research Triangle Park, NC 27709

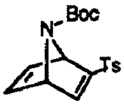


Tetrahedron Letters, **1994**, *35*, 1639

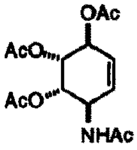
SYNTHESIS OF (±)-CONDURAMINES FROM PYRROLE

Regis Leung-Toung, Yanzhou Liu, Joseph M. Muchowski* and Yu-Lin Wu. Syntex Research, Institute of Organic Chemistry, 3401 Hillview Ave., Palo Alto, CA 94304.

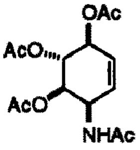
The Diels-Alder product **1b**, of tosylacetylene and N-tert-Boc-pyrrole, was converted into (±)-conduramine C-1 (**22**) and the tetraacetates of (±)-conduramines A-1 (**9b**) and F-1 (**15b**).



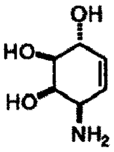
1b



9b



15b



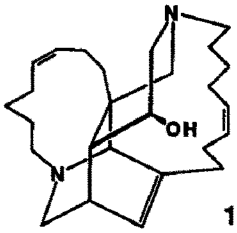
22

Tetrahedron Letters, **1994**, *35*, 1643

INGENAMINE, A NOVEL PENTACYCLIC ALKALOID FROM THE MARINE SPONGE *XESTOSPONGIA INGENS*

Fangming Kong and Raymond J. Andersen*, Departments of Chemistry and Oceanography, University of British Columbia, Vancouver, BC, CANADA V6T 1Z4
Theresa M. Allen, Department of Pharmacology, University of Alberta, Edmonton, Alberta, CANADA T6G 2H7.

Ingenamine (1), a novel cytotoxic pentacyclic alkaloid, has been isolated from the marine sponge *Xestospongia ingens* collected in Papua New Guinea. The structure of ingenamine has been solved by extensive spectrosopic analysis.



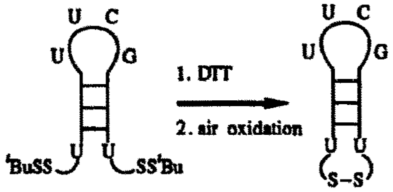
1

Tetrahedron Letters, **1994**, *35*, 1647

SYNTHESIS OF A DISULFIDE STABILIZED RNA HAIRPIN

Jay T. Goodwin and Gary D. Glick*
Department of Chemistry, University of Michigan
Ann Arbor, Michigan, 48109-1055, U.S.A.

An *N*-3 ethylthiol-modified uridine has been synthesized and site-specifically incorporated through solid-phase phosphoramidite chemistry at the 5'- and 3'-termini of an RNA hairpin to provide increased conformational stability via a disulfide cross-link.

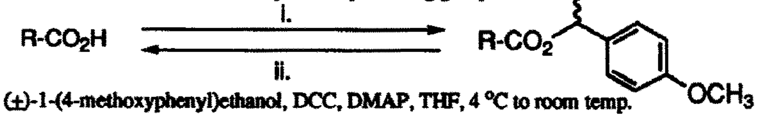


Tetrahedron Letters, **1994**, *35*, 1651

THE (±)-1-(4-METHOXYPHENYL)ETHYL ESTER AS A CARBOXYL PROTECTING GROUP

Michael S. Bernatowicz, Hann-Guang Chao, and Gary R. Matsueda, The Bristol-Myers Squibb Pharmaceutical Research Institute, P.O.Box 4000, Princeton, NJ 08543-4000 USA

(±)-1-(4-Methoxyphenyl)ethyl (Mpe) esters were prepared and shown to be quantitatively cleavable under mild acid conditions that leave *t*-butyl based protecting groups intact.



i. (±)-1-(4-methoxyphenyl)ethanol, DCC, DMAP, THF, 4 °C to room temp.

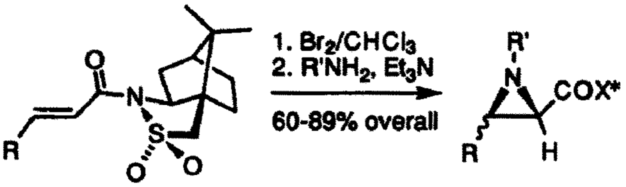
ii. 1 % (v/v) TFA (5 min) or 10 % (v/v) DCA (15 min) in CH_2Cl_2, room temp.

Tetrahedron Letters, 1994, *35*, 1653

Auxiliary Mediated Synthesis of Aziridine-2-carboxylic Acid Derivatives

Philip Garner*, Ozdemir Dogan, and Satish Pillai
Department of Chemistry, Case Western Reserve University, Cleveland, OH 44106-7078

Synthetically useful aziridine-2-carboxylic acid derivatives can be prepared in a stereodefined manner from readily available α,β-unsaturated acyl camphor sultams via an asymmetric Gabriel-Cromwell reaction sequence.

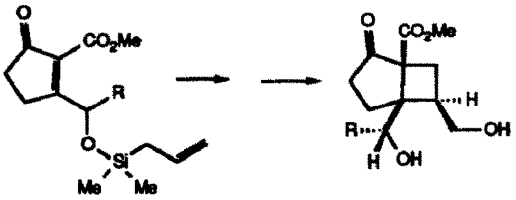


Tetrahedron Letters, 1994, *35*, 1657

Siloxanes As Temporary Tethers in [2+2] Photocycloadditions

Michael T. Crimmins and Lisa E. Guise*
Department of Chemistry, University of North Carolina,
Chapel Hill, NC 27599-3290

The use of siloxanes as temporary tethers in intramolecular [2+2] photocycloadditions has been investigated. High levels of regio and stereocontrol are acheived due to the geometric and steric constraints in the intramolecular transition state. Removal of the siloxane bridge provides the product of an *intermolecular* photocycloaddition with excellent regio and stereoselectivity.

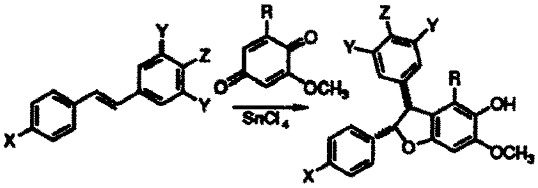


Tetrahedron Letters, 1994, *35*, 1661

EVALUATION OF A SYNTHETIC ROUTE TO ε-VINIFERIN BASED ON A NEW METHOD FOR THE STEREOSELECTIVE PREPARATION OF 2,3-DIARYL-2,3-DIHYDROBENZOFURANS

Thomas A. Engler,* Bill W. Draney and Gregory A. Gfesser
Department of Chemistry, University of Kansas, Lawrence,
KS 66045-0046

Lewis acid-promoted reactions of unsymmetrically substituted (*E*)-stilbenes with 2-methoxy-1,4-benzoquinones regio- and stereoselectively produce trans 2,3-diaryl-2,3-dihydrobenzofurans.

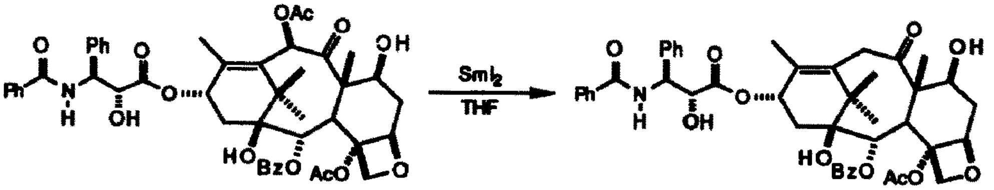


Tetrahedron Letters, 1994, *35*, 1665

A Simple Synthesis of 10-Deacetoxytaxol Derivatives

Robert A. Holton,* Carmen Somoza, and Ki-Byung Chai,
Dittmer Laboratory of Chemistry, Florida State University, Tallahassee, Florida 32306 USA

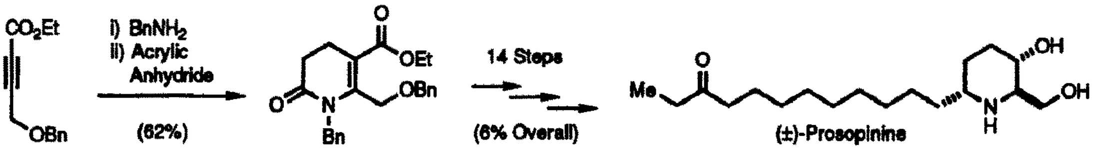
Taxol and baccatin III are reduced to the 10-deacetoxy analogs in high yield with samarium diiodide.



Tetrahedron Letters, 1994, 35, 1669

AZA-ANNULATION AS A ROUTE TO HYDROXYLATED ALKALOID LIPIDS. THE SYNTHESIS OF (±)-PROSOPININE.

Gregory R. Cook, Lars G. Beholz, and John R. Stille*
Department of Chemistry, Michigan State University, East Lansing, MI 48824-1322

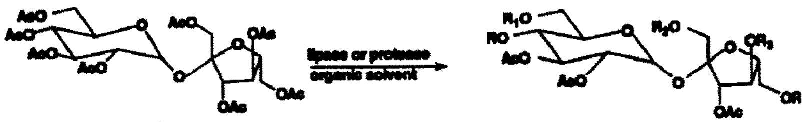


Tetrahedron Letters, 1994, 35, 1673

REGIOSELECTIVE ENZYMATIC DEACETYLATION OF SUCROSE OCTAACETATE IN ORGANIC SOLVENTS

David C. Palmer * and Fernand Terradas
McNeil Specialty Products Co., PO Box 800001, 1440 Olympic Drive, Athens, GA 30608-8001

Sucrose octaacetate 1 can be regioselectively deacetylated using lipases and proteases in organic solvents to produce sucrose hepta-, hexa- and pentaacetates.



1

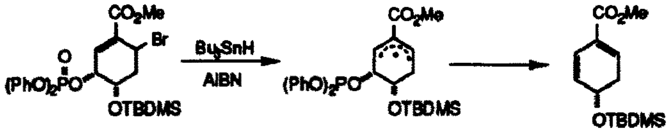
R - R4 = H or Ac

Tetrahedron Letters, 1994, 35, 1677

1,4-Radical Elimination in Cyclohexene Systems: A Model for the Chorismate Synthase Reaction

*B. Giese**, *N.G. Almstead*, Institute of Organic Chemistry, University of Basel, 4056 Basel, Switzerland.

Treatment of cyclohexenyl bromide 9 with low concentrations of Bu_3SnH gives cyclohexadiene 10 *via* allylic radical 14 as intermediate.



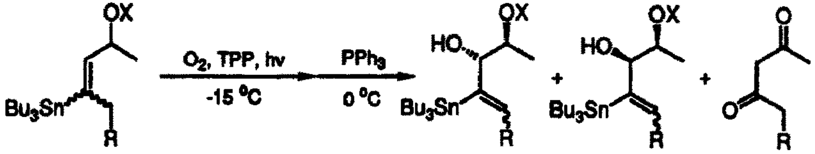
9 14 10

Tetrahedron Letters, 1994, 35, 1681

Photooxygenation of γ-Hydroxy Vinylstannanes and their Acyl Derivatives: Mechanistic Insight into the Hydroxy-Directing Effect

Waldemar Adam*,
Olaf Gevert[#] and Peter Klug, Institute of Organic Chemistry, University of Würzburg, Am Hubland, D-97074 Würzburg, Germany.

The Schenck reaction of $^1O_2$ with γ-hydroxy vinylstannanes and their acyl derivatives, followed by Ph_3P reduction affords in high regio- and diastereoselectivity the synthetically valuable ene diols.

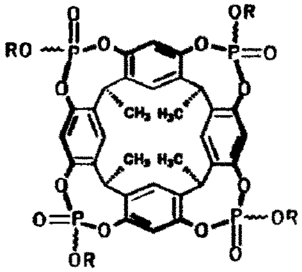


Tetrahedron Letters, **1994**, *35*, 1685

Synthesis and Configurational Analysis of Phosphorus Bridged Cavitands.

Tino Lippmann and Gerhard Mann*, Department of Chemistry, University of Leipzig, D-04103 Germany
Enrico Dalcanale*, Department of Organic and Industrial Chemistry, University of Parma, I-43100 Italy

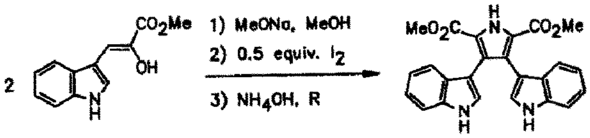
A novel family of diastereomeric cavitands, obtained by incorporation of four phosphate groups on a resorcinol derived calix[4]arene has been studied.



Tetrahedron Letters, **1994**, *35*, 1689

Isolation and Synthesis of 3,4-Bis(indol-3-yl)pyrrole-2,5-dicarboxylic Acid Derivatives from the Slime Mould *Lycogala epidendrum*

R.Fröde, C. Hinze, I. Josten, B. Schmidt, B. Steffan and W. Steglich*
Institut für Organische Chemie der Universität,
Karlstr. 23, D-80333 München

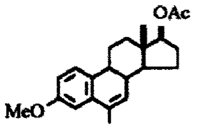


A one-pot synthesis of the title compounds is described.

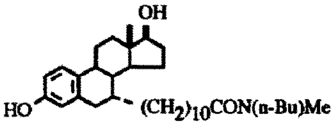
Tetrahedron Letters, **1994**, *35*, 1691

A NEW, STEREOSELECTIVE APPROACH TO C(7)-ALKYLATED ESTRA-1,3,5(10)-TRIENE DERIVATIVES

H. Künzer,* M. Thiel, G. Sauer, and R. Wiechert
Research Laboratories, Schering AG-Berlin,
Müllerstr. 170-178,
1000 Berlin 65,
Germany



I



II

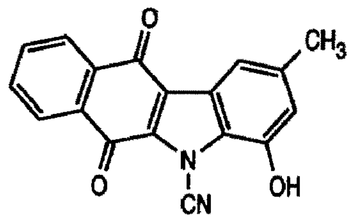
A study on the conjugate addition of simple organolithium reagents to I led to a short, stereoselective synthesis of the estrogen receptor antagonist II (ICI 164384).

Tetrahedron Letters, **1994**, *35*, 1695

INDOLOQUINONES, PART 2.
PALLADIUM-PROMOTED SYNTHESIS OF A 7-DEOXYPREKINAMYCIN ISOMER

*H.-J. Knölker** and *N. O' Sullivan*
Institut für Organische Chemie, Universität Karlsruhe
Richard-Willstätter-Allee, 76131 Karlsruhe, Germany

We have developed a four-step synthesis of a 7-deoxyprekinamycin isomer based on a palladium-promoted oxidative coupling as the key step.

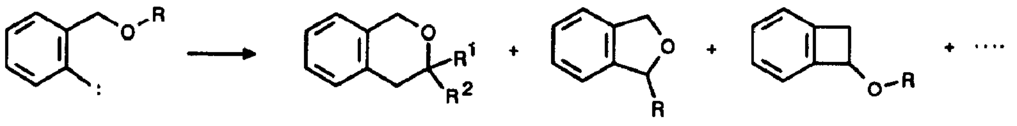


Tetrahedron Letters, **1994**, *35*, 1699

INTRAMOLECULAR REACTIVITY OF ARYLCARBENES: 2-(ALKOXYMETHYL)PHENYLCARBENES.

Wolfgang Kirmse* and Dirk Schnitzler, Fakultät für Chemie, Ruhr-Universität, 44780 Bochum, Germany

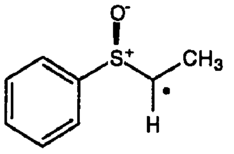
Stereochemistry and mechanism of the formal insertion of the title carbenes into C-H and C-O bonds of the side chain have been investigated.

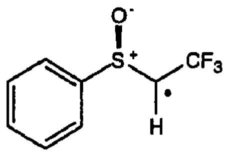


Tetrahedron Letters, **1994**, *35*, 1703

STEREOCHEMICAL STUDY OF THE ALLYLATION OF 1-PHENYLSULFINYLETHYL AND 1-PHENYLSULFINYL-2,2,2-TRIFLUOROETHYL RADICALS.

Philippe Renaud,*[a] Pierre-Alain Carrupt[b], Michèle Gerster[a] and Kurt Schenk[c], a)Université de Fribourg, Institut de Chimie Organique, Pérolles, CH-1700 Fribourg, Switzerland; b) Université de Lausanne, Ecole de Pharmacie (BEP), c) Université de Lausanne, Institut de Cristallographie (BSP), CH-1015 Lausanne-Dorigny, Switzerland.



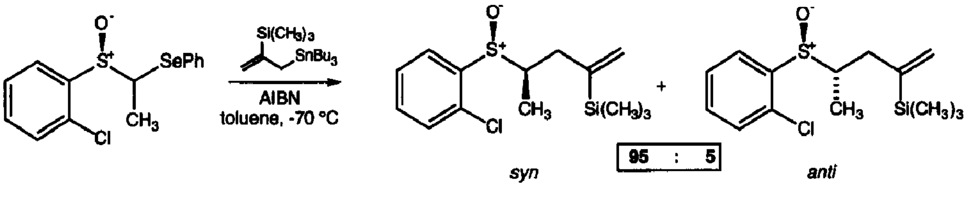


Allylation reactions of the two title radicals produce preferentially compounds of opposite relative configuration in 61-64 % (methyl) and 81-82 % (trifluoromethyl) diastereoselectivity.

Tetrahedron Letters, **1994**, *35*, 1707

ORTHO-SUBSTITUTED ARYL SULFOXIDES DESIGNED FOR HIGHLY DIASTEREOSELECTIVE RADICAL REACTIONS.

Philippe Renaud,* and Thierry Bourquard, Université de Fribourg, Institut de Chimie Organique, Pérolles, CH-1700 Fribourg Switzerland.

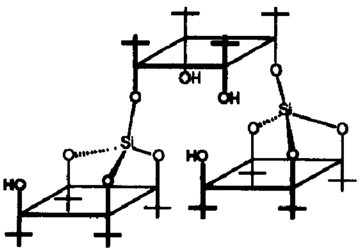


Tetrahedron Letters, **1994**, *35*, 1711

MULTICAVITANDS III: SYNTHESIS AND NMR STUDIES OF A TRI-DIRECTIONAL KOILAND COMPOSED OF THREE *P-TERT*-BUTYLCALIX[4]ARENE UNITS FUSED BY TWO SILICON ATOMS.

Xavier Delaigue, Mir Wais Hosseini,* Roland Graff, Jean-Pierre Kintzinger, Jesus Raya. Institut de Chimie, Université Louis Pasteur, 4, rue Blaise Pascal, F-67000 Strasbourg, France

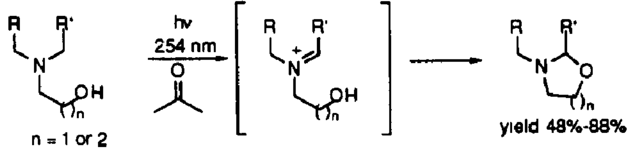
The high yield synthesis and NMR structural investigation of a divergent trireceptor obtained by fusion of three *p-tert*-butylcalix[4]arenes with two silicon atoms are described.



Tetrahedron Letters, **1994**, *35*, 1715

INTRAMOLECULAR QUENCHING OF IMINIUM IONS GENERATED BY PHOTOOXIDATION OF AMINOALCOHOLS WITH KETONES. A NEW SYNTHESIS OF OXAZINES AND OXAZOLES

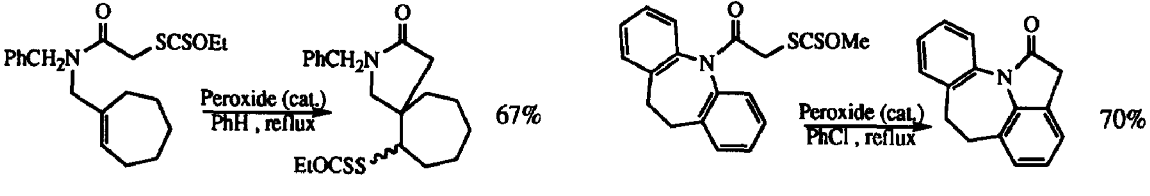
Janine Cossy*, Madhumita Guha
Laboratoire de Chimie Organique, Associé au C.N.R.S., E.S.P.C.I. 10 rue Vauquelin 75231 - PARIS Cédex 05 - France



Tetrahedron Letters, **1994**, *35*, 1719

A NEW RADICAL BASED SYNTHESIS OF LACTAMS AND INDOLONES FROM DITHIOCARBONATES (XANTHATES).

Jonathan Axon, Laurent Boiteau, Jean Boivin, Judith E. Forbes and Samir Z. Zard*
Laboratoire de Synthèse Organique Associé au C. N. R. S., Ecole Polytechnique, F-91128 Palaiseau, France.



Tetrahedron Letters, **1994**, *35*, 1723

SAMARIUM DIIODIDE IN TETRAHYDROPYRAN: PREPARATION AND SOME REACTIONS IN ORGANIC CHEMISTRY.

Jean-Louis Namy*, Marielle Colomb and Henri B. Kagan*, Laboratoire de Synthèse Asymétrique (URA CNRS 1497), Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, 91405 Orsay Cedex, France.

The preparation of SmI_2 in tetrahydropyran (THP) is reported. In this solvent, reactions of SmI_2 with acid chlorides are cleaner than in THF. Formation of stable acyl samarium species is likely.

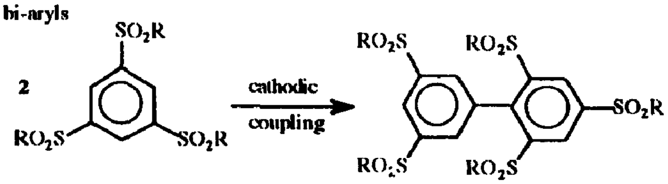
$$2\,Sm \xrightarrow[\text{THP, r.t.}]{2\,ICH_2CH_2I} 2\,SmI_2/THP \xrightarrow[\text{THP, 0°C}]{RCOCl} \xrightarrow[\text{THP, 0°C}]{R^1R^2CO} \xrightarrow{H_2O} RCOR^1R^2COH$$

Tetrahedron Letters, **1994**, *35*, 1727

CATHODIC COUPLING OF 1, 3, 5 - TRI (ARYL AND ALKYLSULFONYL) BENZENES INTO TETRA AND PENTA-SUBSTITUTED BIARYLS

Mohamed Benaskar and Jacques Simonet *
Laboratoire d'Electrochimie, associé au CNRS, Université de Rennes I, Beaulieu, 35042 Rennes (France).

Trisulfones yield under non-aqueous conditions to unexpected bi-aryls



1 2

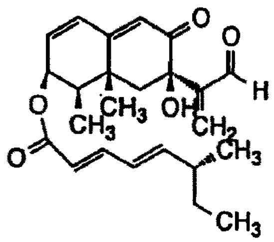
Tetrahedron Letters, **1994**, *35*, 1731

A BRASSINOLIDE-INHIBITOR KM-01, ITS ISOLATION AND STRUCTURE ELUCIDATION FROM A FUNGUS *DRECHSLERA AVENAE.*

Kim, S.K., Mizuno, K., Hatori, M. and Marumo, S.

Department of Agricultural Chemistry, Nagoya University, Chikusa-ku, Nagoya,, Japan

A first brassinolide-inhibitor named KM-01 was isolated from a fungus, *Drechslera avenae*, and its structure with absolute stereochemistry determined as the fatty acid ester of bipolaroxin.

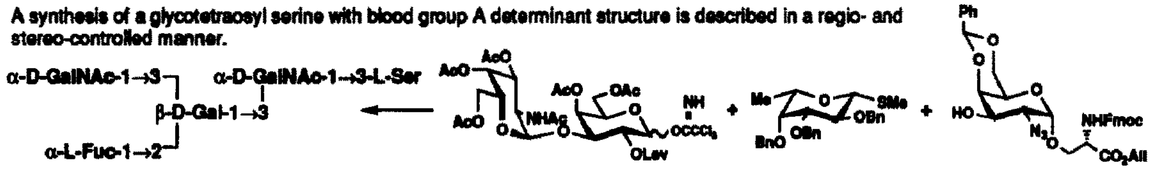


Tetrahedron Letters, **1994**, *35*, 1735

SYNTHESIS OF A GLYCOTETRAOSYL SERINE, A PARTIAL STRUCTURE OF AN OVARIAN CYST MUCIN GLYCOPROTEIN OF BLOOD GROUP A ACTIVITY

Wallace M. Macindoe[a], Hiroyuki Iijima[a], Yoshiaki Nakahara[a], and Tomoya Ogawa*[a,b]
a)The Institute of Physical and Chemical Research (RIKEN), Wako-shi, Saitama, 351-01 Japan
b) Faculty of Agriculture, University of Tokyo, Yayoi, Bunkyo-ku, Tokyo, 113 Japan

A synthesis of a glycotetraosyl serine with blood group A determinant structure is described in a regio- and stereo-controlled manner.

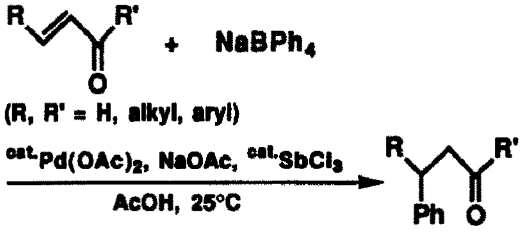


Tetrahedron Letters, **1994**, *35*, 1739

ANTIMONY(III) CHLORIDE AS AN EFFICIENT CATALYST FOR PALLADIUM-CATALYZED HYDROPHENYLATION OF α,β-UNSATURATED KETONES AND ALDEHYDES

Chan Sik Cho, Shin-ichi Motofusa, and Sakae Uemura*
Division of Energy and Hydrocarbon Chemistry, Graduate School of Engineering, Kyoto University, Sakyo-ku, Kyoto 606-01 (Japan)

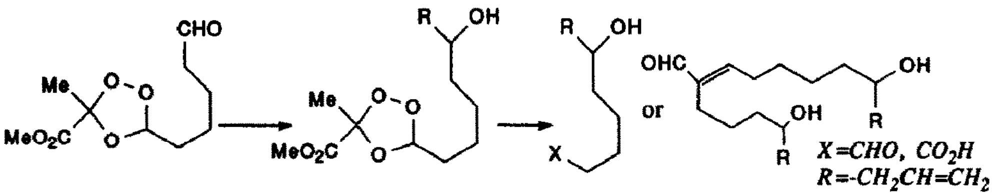
A remarkable catalytic effect of antimony(III) chloride was disclosed in palladium-catalyzed hydrophenylation of α,β-unsaturated ketones and aldehydes (Michael-type conjugate addition) with sodium tetraphenylborate in acetic acid at 25°C.



Tetrahedron Letters, **1994**, *35*, 1743

CHEMOSELECTIVE REACTIONS OF A COMPOUND CONTAINING BOTH ALDEHYDE AND OZONIDE GROUPS

Yung-Son Hon*[a] and Jiann-Long Yan[b] [a] Institute of Chemistry, Academia Sinica, Nankang, Taipei, Taiwan 11529, R.O.C.
[b] Institute of Applied Chemistry, Chinese Culture University, Taipei, Taiwan, R.O.C.

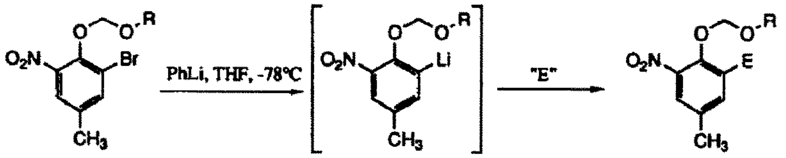


Tetrahedron Letters, **1994**, *35*, 1747

PREPARATION AND REACTIONS OF STABLE 2-LITHIO-6-NITROPHENOL DERIVATIVES.

Ian R. Hardcastle, Peter Quayle* and E.Lucy M. Ward
Department of Chemistry, The Victoria University of Manchester, Manchester, M13 9PL.

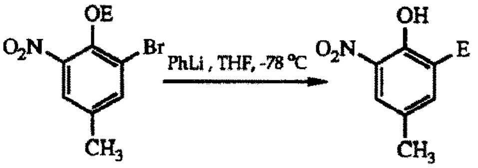
2-Bromo-6-nitrophenyl MOM and SEM ethers form stable lithio compounds on treatment with phenyllithium.



Tetrahedron Letters, **1994**, *35*, 1749

"Metallo-Fries" Rearrangements of 2-Lithio-6-nitrophenol Derivatives.

I. R. Hardcastle and P. Quayle*. Department of Chemistry, The Victoria Univesity of Manchester, Manchester M13 9PL. UK.

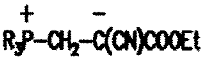


Tetrahedron Letters, **1994**, *35*, 1751

UNUSUAL TRANSFORMATIONS OF ETHYL-2-CYANO-ACRYLATE IN REACTIONS WITH TRIVALENT PHOSPHORUS COMPOUNDS

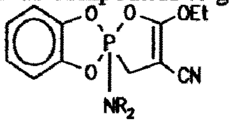
Yu.G.Gololobov, G.D.Kolomnikova, T.O.Krylova
A.N.Nesmeyanov Institute of Organo-Element Compounds RussAcad.ofSci.
Vavilov str.,28,Moscow V-334,117813 GSP-1 Russia

Various transformations of ethyl-2-cyanoacrylate - $CH_2=C(CN)COOEt$ **1** was been carried out with trivalent phosphorus compounds to give products of type **2**,**3** and **4**.

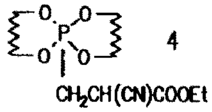


$\overset{+}{R_3P}-CH_2-\overset{-}{C}(CN)COOEt$

2



3

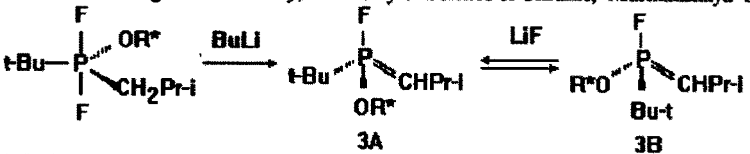


4

Tetrahedron Letters, **1994**, *35*, 1755

FLUOROALKOXYPHOSPHONIUM YLIDS. EPIMERIZATION AND TRANSFORMATIONS.

O.I. Kolodiazhnyi*, S.Ustenko, O.Golovatyi.
Institute of Bioorganic Chemistry, Academy of Science of Ukraine, Murmanskaya Street, 1, KIEV - 253094 - UKRAINE



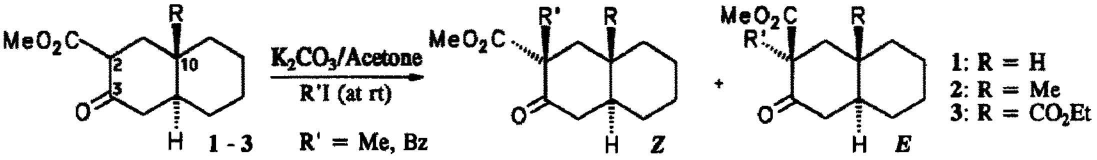
Dehydrofluorination of alkoxydifluorophosphoranes passes under conditions of kinetic control to afford diastereomeres of phosphorus ylids **3A** and **3B**. However in the presence of lithium fluoride the most thermodinamic stable diastereomere of **3** is formed.

Tetrahedron Letters, **1994**, *35*, 1759

STEREOSELECTIONS IN CYCLIC ß-KETOESTER ALKYLATIONS

H. Surya Prakash Rao, K. Subba Reddy, Department of Chemistry, Pondicherry University, Pondicherry 605 014, India,
and S.N. Balasubrahmanyam, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India.

A hyperconjugative effect from the C-10 *syn*-axial ester in the ß-ketoester 3 could contribute to the *Z*/*E* C-2 alkylation ratio being nearly the inverse of that in 2 and closely similar to that in 1.



1 - 3

Z

E

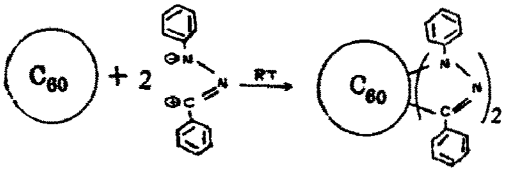
1: R = H
2: R = Me
3: R = CO_2Et

Tetrahedron Letters, **1994**, *35*, 1763

REACTION OF BUCKMINSTERFULLERENE WITH 1,3-DIPHENYLNITRILIMINE: SYNTHESIS OF PYRAZOLINE DERIVATIVES OF FULLERENE.

S. Muthu and P. Maruthamuthu, Department of Energy; R. Ragunathan, Department of Organic Chemistry, University of Madras, A.C.College Campus, Madras 600 025, India. P.R. Vasudeva Rao and C.K. Mathews*, Chemical Group, IGCAR, Kalpakkam 603 102, India.

C_{60} reacts with 1,3-diphenylnitrilimine to form a diadduct



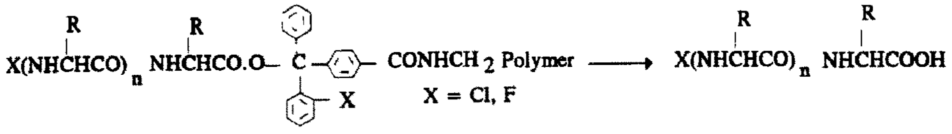
Tetrahedron Letters, **1994**, *35*, 1767

(R,S) 2-Fluoro (Chloro) -4'-Carboxy-Triphenyl Methanol. Novel Acid Labile Trityl Type Handles For Solid Phase Peptide Synthesis.

C. C. Zikos and N. G. Ferderigos.

Department of Chemistry, University of Athens, Panepistimioupolis, Zografou, 15771 Athens, Greece.

Synthesis of linkers for solid phase peptide synthesis which allows release by very mild acidic conditions of the product peptide.



$$X(NH\overset{R}{C}HCO)_n\,NH\overset{R}{C}HCO.O{-}C(C_6H_5)(C_6H_4X){-}C_6H_4{-}CONHCH_2\,\mathrm{Polymer} \longrightarrow X(NH\overset{R}{C}HCO)_n\,NH\overset{R}{C}HCOOH$$

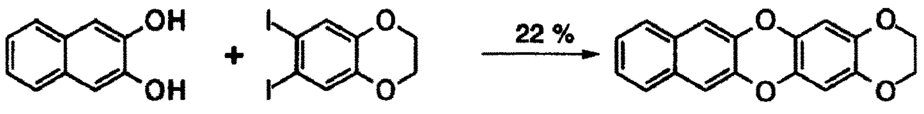
X = Cl, F

Tetrahedron Letters, **1994**, *35*, 1769

SYNTHESIS OF ANNULATED DIOXINS AND THEIR USE AS DONORS FOR CATION RADICAL SALTS.

Jonas Hellberg* and Margit E. Pelcman, Organic Chemistry, Royal Institute of Technology, S-100 44 Stockholm SWEDEN

The synthesis of a series of new alkoxylated annulated dioxins is described together with their cyclovoltammetric behaviour.



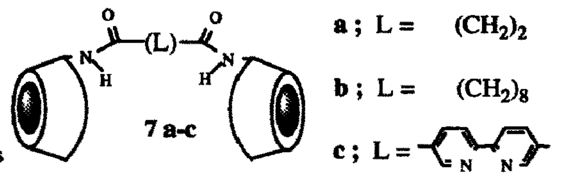
GRAPHICAL ABSTRACTS

Tetrahedron Letters, **1994**, *35*, 1773

SYNTHESIS AND BINDING PROPERTIES OF NOVEL CYCLODEXTRIN DIMERS.

Fokke Venema,[a] Chantal M.Baselier,[a] Erik van Dienst,[b]
Bianca H.M. Ruël,[b] Martinus C. Feiters,[a] Johan F.J. Engbersen,[b]
David N. Reinhoudt,[b] and Roeland J.M. Nolte.[a*]
[a] Department of Organic Chemistry, NSR-Center, University of Nijmegen, Toernooiveld, 6525 ED Nijmegen, The Netherlands
[b] Laboratory of Organic Chemistry, University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands.

The synthesis of cyclodextrin dimers 7a-c and some binding constants for TNS are reported.



7 a-c

a ; L = $(CH_2)_2$

b ; L = $(CH_2)_8$

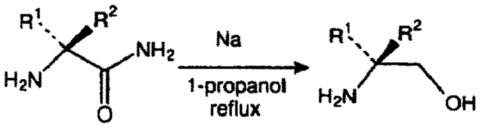
c ; L =

Tetrahedron Letters, **1994**, *35*, 1777

SYNTHESIS OF ENANTIOMERICALLY PURE 2,2-DISUBSTITUTED 2-AMINO-ETHANOLS BY DISSOLVING METAL REDUCTION OF *α,α*-DISUBSTITUTED AMINO ACID AMIDES.

Harold M. Moody, Bernard Kaptein*, Quirinus B. Broxterman, Wilhelmus H. J. Boesten and Johan Kamphuis
DSM Research, Bio-organic Chemistry Section, PO Box 18, 6160MD Geleen, The Netherlands

Enantiomerically pure 2,2-disubstituted-2-amino-ethanols are prepared in 65-99% yield by reduction of α,α-disubstituted amino acid amides using sodium in refluxing 1-propanol.

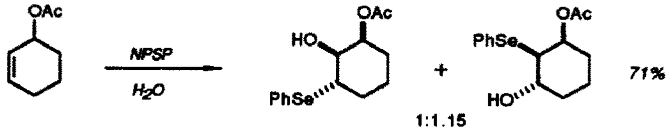


Tetrahedron Letters, **1994**, *35*, 1781

HYDROXYSELENATION of ACETOXYCYCLOHEX-2-ENE

Alan F. Haughan, J.R. Knight and J.B. Sweeney,*
School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, UK

Addition of "HOSePh" to 1-acetoxycyclohex-2-ene is not regioselective, in contrast to the addition of PhSeCl

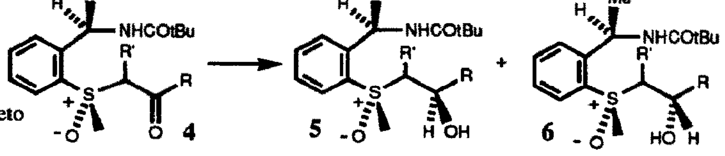


Tetrahedron Letters, **1994**, *35*, 1785

THE ASYMMETRIC SYNTHESIS OF ALLYLIC ALCOHOLS USING A RECOVERABLE CHIRAL SULPHOXIDE.

Ian D. Linney, Heather Tye and Martin Wills.*
School of Chemistry, University of Bath,
Claverton Down, Bath, BA2 7AY.
Roger J. Butlin
Zeneca Pharmaceuticals, Mereside,
Alderley Park, Cheshire, SK10 4TG.

The synthesis and diastereoselective reductions of β-keto sulphoxides 4 are described.

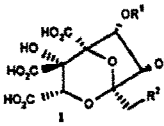


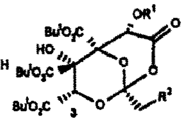
Tetrahedron Letters, **1994**, *35*, 1789

The Squalestatins: Cleavage of the Bicyclic Core *via* the Novel 2, 8, 9-Trioxabicyclo[3.3.1]nonane Ring System.

Daniele Andreotti, Panayiotis A. Procopiou*, Nigel S. Watson, *Department of Medicinal Chemistry, Glaxo Group Research Ltd., Greenford Road, Greenford, Middlesex UB6 0HE, United Kingdom.*

Squalestatin **1** was converted into the γ-lactone analogue **5**, *via* hydrolysis of the novel ortho ester anhydride **3**, and thence into the acyclic derivative **8**.


1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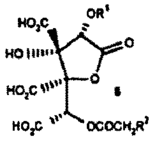
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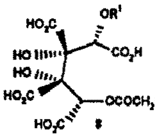
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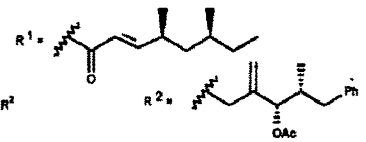
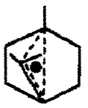


Tetrahedron Letters, **1994**, *35*, 1793

σ-ASSISTANCE OF C_4-C_7 BOND IN THE SOLVOLYSIS OF 1-NORBORNYL TRIFLATES.

A. García Martínez,* J. Osío Barcina, M. E. Rodríguez Herrero, M. Iglesias de Dios, E. Teso Vilar, L. R. Subramanian, Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad Complutense, Ciudad Universitaria, 28040 Madrid, Spain.

The solvolysis of 4,7,7-trimethyl-1-norbornyl triflate proceeds under σ-participation of the C_4-C_7 bond, with formation of the σ bridged cation **22** as intermediate.


22