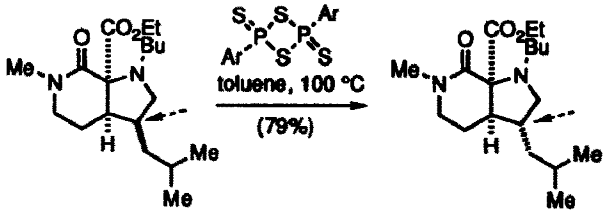
GRAPHICAL ABSTRACTS

Tetrahedron Letters, **1994**, *35*, 3651

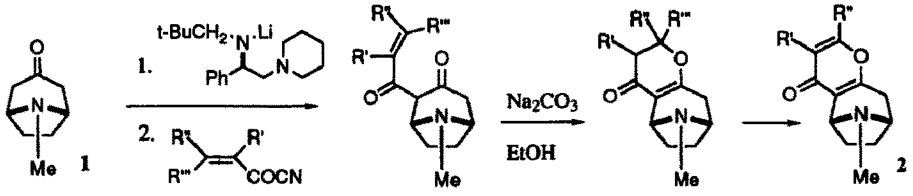
An Unusual Isomerization Under Lawesson Thiation Conditions. Matthew J. Sharp and Clayton H. Heathcock; Department of Chemistry; University of California; Berkeley, CA 94720.

Treatment of lactam ester **9** under standard Lawesson thiation conditions provides **13**, in which a remote stereocenter has been epimerized.



Tetrahedron Letters, **1994**, *35*, 3653

SYNTHESIS OF PYRANOTROPANES VIA ENANTIOSELECTIVE DEPROTONATION STRATEGY Marek Majewski* and Ryszard Lazny; Department of Chemistry, University of Saskatchewan, Saskatoon, Sask., CANADA S7N 0W0.



1

2

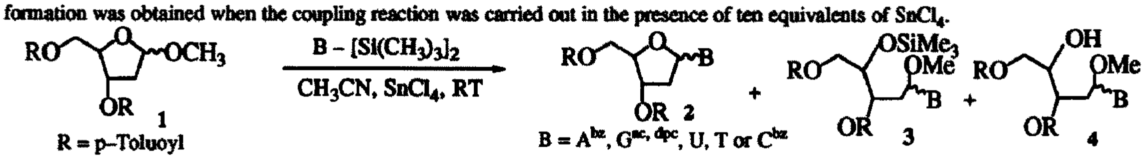
Enantioselective deprotonation of tropinone (**1**) with chiral Li-amides served as a key step in synthesis of tropane alkaloids (**2**).

Tetrahedron Letters, **1994**, *35*, 3657

INVESTIGATION OF STEREOSELECTIVITIES IN THE COUPLING REACTIONS OF 1-O-METHYL-3, 5-DI-O-p-TOLUOYL-2-DEOXYRIBOFURANOSIDE WITH PURINES AND PYRIMIDINES

Selvasekaran Janardhanam and Krishnan P. Nambiar*, Department of Chemistry, University of California, Davis, CA 95616.

Stereoselectivities in the coupling reaction between 1-O-methyl-3,5-di-O-p-toluoyl-2-deoxyribose and suitably protected purine and pyrimidine derivatives have been examined in acetonitrile with varying equivalents of SnCl$_4$. The best result in α-nucleoside formation was obtained when the coupling reaction was carried out in the presence of ten equivalents of SnCl$_4$.



1 R = p-Toluoyl

2 B = A^{bz}, G$^{ac, dpc}$, U, T or C^{bz}

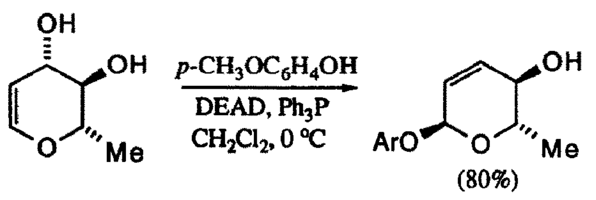
3

4

Tetrahedron Letters, **1994**, *35*, 3661

MITSUNOBU REACTIONS OF GLYCALS WITH PHENOXIDE NUCLEOPHILES ARE S$_N$2'-SELECTIVE. Aditya Sobti and Gary A. Sulikowski*, Department of Chemistry, Texas A&M University, College Station, TX 77843-3255

Mitsunobu coupling of substituted phenols with glycals provides the corresponding α-arylglycosides via stereoselective S$_N$2' displacement of the C^3 hydroxy group.

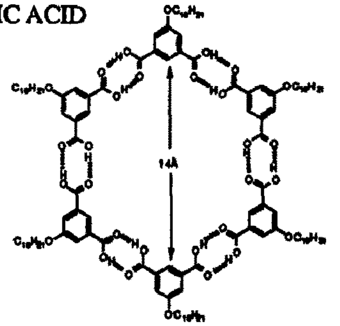


Tetrahedron Letters, **1994**, *35*, 3665

HYDROGEN BONDING CONTROL OF SELF-ASSEMBLY: SIMPLE ISOPHTHALIC ACID DERIVATIVES FORM CYCLIC HEXAMERIC AGGREGATES

Ji Yang, Jean-Luc Marendaz, Steven J. Geib and Andrew D. Hamilton,*
Department of Chemistry, University of Pittsburgh, Pittsburgh, PA 15260.

In this paper we demonstrate that six molecules of a functionalized isophthalic acid derivative form a cyclic aggregate stabilized by a network of 12 hydrogen bonds. The structure and stability of the aggregate were studied by X-ray crystallography, vapor phase osmometry and ^{1}H NMR.

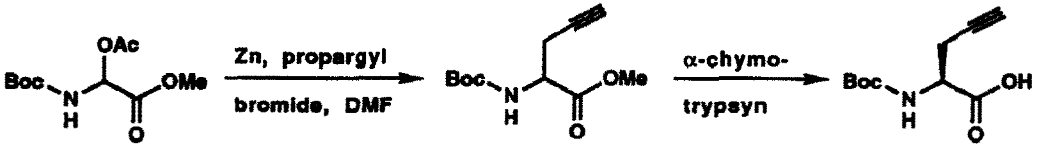


Tetrahedron Letters, **1994**, *35*, 3669

Zinc Mediated Addition of Active Halides to a Glycine Cation Equivalent: Synthesis of N-Boc-L-propargylglycine.

Norman A. Abood* and Roger Nosal, Department of Chemistry, Searle Research and Development, Skokie, Illinois, 60077

Reaction of methyl N-Boc-2-acetoxyglycine with propargyl bromide and Zn dust followed by kinetic resolution with α-chymotrypsin affords N-Boc-L-propargylglycine in good yield (99% e. e.).

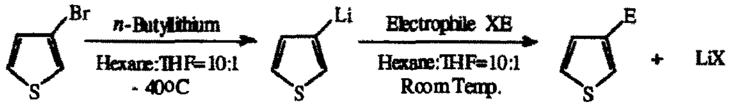


Tetrahedron Letters, **1994**, *35*, 3673

ROOM TEMPERATURE STABLE 3-LITHIOTHIOPHENE: A FACILE SYNTHESIS OF 3-FUNCTIONAL THIOPHENES.

Xiaoming Wu, Tian-An Chen, Lishan Zhu and Reuben D. Rieke,* Department of Chemistry
University of Nebraska-Lincoln, Lincoln, Nebraska 68588-0304

Reactions of 3-lithiothiophene with different electrophiles at room temperature in hexane provide a convenient route to 3-substituted thiophenes:

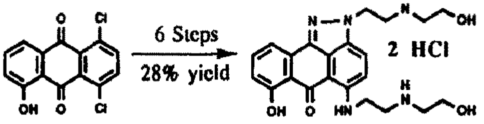


Tetrahedron Letters, **1994**, *35*, 3675

Reversal of the Regioselectivity of Anthrapyrazole Formation. A New Synthesis of *Losoxantrone* (DUP941)

Lin-hua Zhang*, Walter E. Meier, Elton J. Watson, Emily P. Gibson, Chemical Process R&D, PRF(S1), DuPont Merck Pharmaceutical Company, Deepwater, NJ 08023-0999, USA

A new and efficient synthesis of *losoxantrone* is reported.

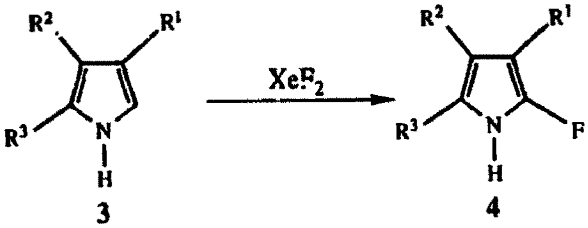


Tetrahedron Letters, **1994**, *35*, 3679

FLUORINATION OF PYRROLIC COMPOUNDS WITH XENON DIFLUORIDE.

Jianji Wang and A. Ian Scott,* Center for Biological NMR, Department of Chemistry, Texas A&M University, College Station, TX 77843-3255 USA

α-Unsubstituted pyrrolic compounds **3** reacted with xenon difluoride to give the corresponding fluoropyrroles **4** in 25-54% yields.

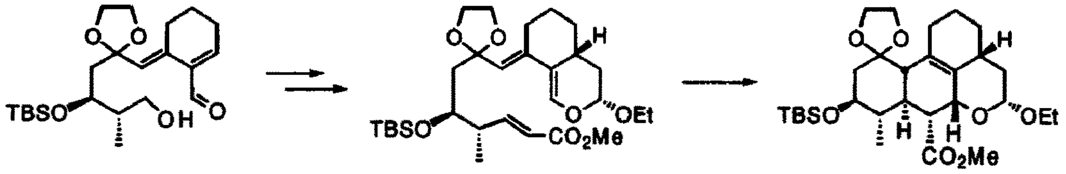


Tetrahedron Letters, **1994**, *35*, 3683

ENANTIOSELECTIVE SYNTHESIS OF AN ADVANCED INTERMEDIATE TO QUASSINOIDS.

Claude Spino* and Noah Tu, University of Victoria, Chemistry Department, Victoria, B.C., V8W 3P6.

Abstract: An advanced intermediate to the quassinoids was prepared via a diene-transmissive Diels-Alder cycloaddition strategy on an enantiomerically pure precursor.

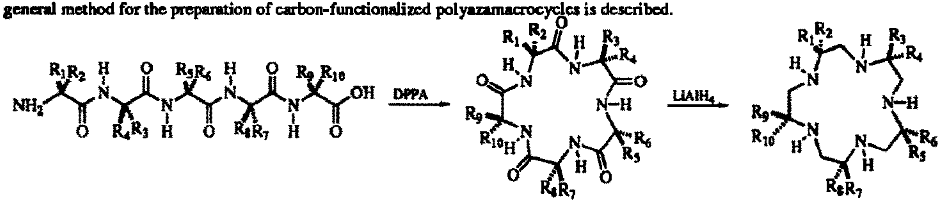


Tetrahedron Letters, **1994**, *35*, 3687

ASYMMETRIC SYNTHESIS OF HIGHLY FUNCTIONALIZED POLYAZAMACROCYCLES VIA REDUCTION OF CYCLIC PEPTIDE PRECURSORS.

Karl W. Aston, Susan L. Henke, Anil S. Modak, Dennis P. Riley, Kirby R. Sample, Randy H. Weiss and William L. Neumann,*
Monsanto Corporate Research, St. Louis, MO 63167.

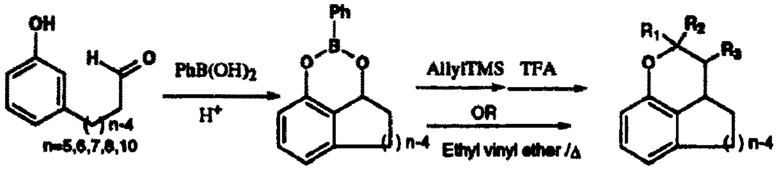
A general method for the preparation of carbon-functionalized polyazamacrocycles is described.



Tetrahedron Letters, **1994**, *35*, 3691

POLYCYCLIC CHROMANS VIA NOVEL TRICYCLIC-2-PHENYL-4H-1,3,2-BENZODIOXABORINS

Suzanne Bissada, Cheuk K. Lau, Michael A. Bernstein, Claude Dufresne*, Medicinal Chemistry Department, Merck Frosst Centre for Therapeutic Research, P.O. Box 1005, Pointe Claire-Dorval, Québec, Canada H9R 4P8



R_1= Me R_2= H,CH_2OAc R_3=H

R_1= H R_2=R_3= -$(CH_2)_n$-

OR

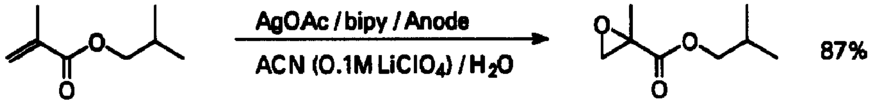
R_1= OEt R_2=R_3= H

Tetrahedron Letters, **1994**, *35*, 3695

Electrochemical Epoxidation of Electron-Poor Olefins Using Silver Bipyridine Based Redox Mediators.

Christof Kandzia and Eberhard Steckhan,
Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Straße 1, D-53121 Bonn, Germany

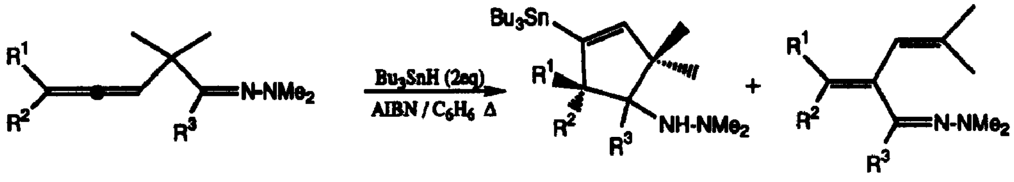
Silver(III)oxo bis(2,2′-bipyridine) complexes can be used as electrochemically regenerable redox catalysts for the indirect electrochemical epoxidation of electron-deficient olefins.



Tetrahedron Letters, **1994**, *35*, 3699

RADICAL CYCLIZATION OF β-ALLENIC HYDRAZONES. AN ASYMMETRIC APPROACH.

Christiane D. Bernard-Henriet, Jacques R. Grimaldi and Jacques M. Hatem*
Laboratoire de Chimie Organique de Synthèse, associé au CNRS, Université de Provence,
Case 541, F-13397 Marseille Cédex 20

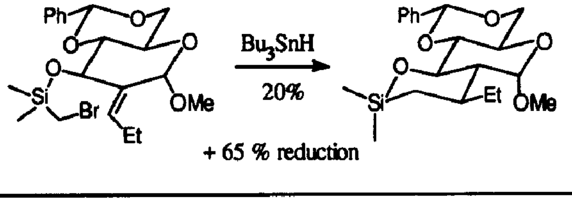


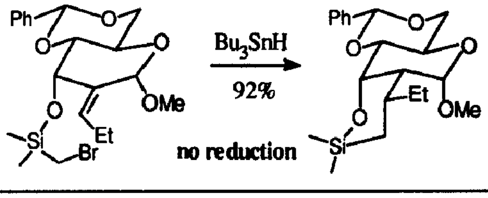
A first example of asymmetric radical cyclization of a SAMP β-allenic hydrazone is described.

Tetrahedron Letters, **1994**, *35*, 3703

EXCLUSIVE 6-ENDO RADICAL CYCLIZATIONS OF α-SILYL RADICALS DERIVED FROM CARBOHYDRATE ALLYLIC SILYLETHERS

P. Mayon and Y. Chapleur, Laboratoire de Méthodologie et Synthèse Enantiospécifique de Biomolécules, associé au CNRS, Institut Nancéien de Chimie Moléculaire, Université de Nancy I, B.P. 239, F-54506 Vandoeuvre-les-Nancy (France)



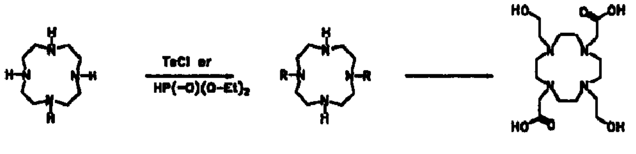


Tetrahedron Letters, **1994**, *35*, 3707

REGIOSELECTIVE SYNTHESIS OF 1,7-DIPROTECTED 1,4,7,10-TETRAAZACYCLODODECANE AND PREPARATION OF A DIALCOHOL DICARBOXYLIC MACROCYCLIC LIGAND.

Arnaud Dumont, Vincent Jacques, Peng Qixiu et Jean F. Desreux*, Coordination and Radiochemistry, University of Liège, Sart Tilman(B6), B4000 Belgium.

A diacid dialcohol derivative of 1,4,7,10-tetraazacyclododecane is easily obtained after selective protection with TsCl or HP(=O)(OEt)$_2$.

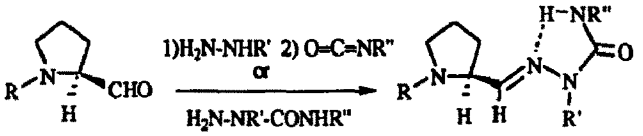


Tetrahedron Letters, **1994**, *35*, 3711

THE SEMICARBAZONE PEPTIDOMIMETIC GROUP IN IMINO AZA PEPTIDES.

David Limal, Vincent Grand, Régis Vanderesse, Michel Marraud,* CNRS-URA-494, ENSIC-INPL, BP 451, 54001 Nancy, France
André Aubry, CNRS-URA-809, University of Nancy I, BP 239, 54506 Vandoeuvre, France

The semicarbazone fragment (-CH=N-NR-CO-NH-) is a cis planar dipeptide isostere stabilized by an intramolecular N-H···N interaction involving the lone-pair of the imino nitrogen.

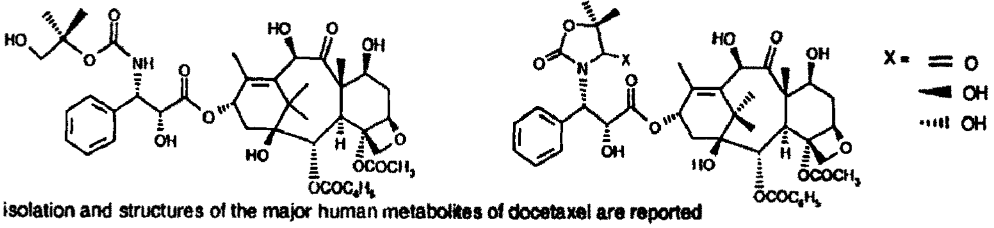


4 examples

Tetrahedron Letters, **1994**, *35*, 3715

Structures of Major Human Metabolites of Docetaxel - RP 56976-(Taxotere®)

B. Monegier, C. Gaillard, S. Sablé and M. Vuilhorgne ; Rhône-Poulenc Rorer S.A. ;
CRVA, 13 Quai Jules Guesde, F-94400, Vitry-sur-Seine and IBP, 20 Avenue Raymond Aron, F 92165 Antony (France)



The isolation and structures of the major human metabolites of docetaxel are reported

---

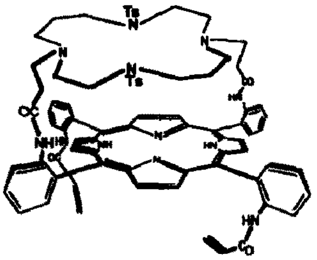
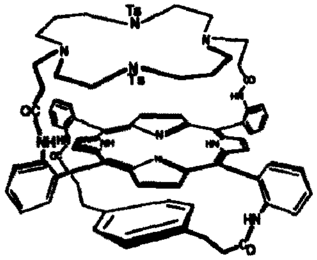
Tetrahedron Letters, **1994**, *35*, 3719

FIRST SYNTHESIS OF SINGLE-"STRAPPED CYCLAM-PORPHYRINS"

Bernard Boitrel and Roger Guilard*

Laboratoire de Synthèse et d'Electrosynthèse
Organométalliques associé au CNRS, URA 1685
6, Boulevard Gabriel,
21100 - Dijon, France.

Synthesis of a new series of bimacrocycles capable to coordinate two metallic centers.

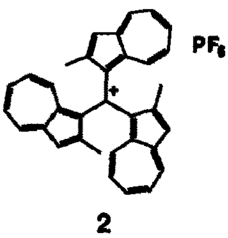



Tetrahedron Letters, **1994**, *35*, 3723

Dynamic Stereochemistry of Tri(2-methyl-1-azulenyl)methyl Cation; Steric Effect of 2-Methyl Groups on Rotational Barriers and Mechanism

Shunji Ito, Noboru Morita, and Toyonobu Asao*
Department of Chemistry, Faculty of Science, Tohoku University, Kawauchi, Aoba-ku, Sendai 980 Japan

The stable carbocation, tri(2-methyl-1-azulenyl)methyl hexafluorophosphate (**2**) was prepared. The threshold rotational mechanism for **2** was a two-ring flip in contrast to a one-ring flip for the 3-methyl analogue by the steric effect of three 2-methyl groups.



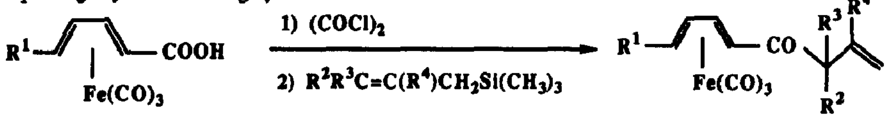
2

Tetrahedron Letters, **1994**, *35*, 3727

ALLYLATION OF ACYL HALIDES ADJACENT TO (η^4-DIENE)Fe(CO)$_3$ FRAGMENT WITH ALLYLSILANES

S. Nakanishi,* K. Kumeta, Y. Otsuji.
Department of Applied Chemistry, College of Engineering,
University of Osaka Prefecture, 1-1 Gakuen-cho, Sakai, Osaka 593, JAPAN

Acyl halides adjacent to (η^4-diene)Fe(CO)$_3$ fragment reacted with allyltrimethylsilanes without catalyst to give the corresponding allyl ketones in high yields.



Tetrahedron Letters, **1994**, *35*, 3729

Flexible Nucleobase Receptor

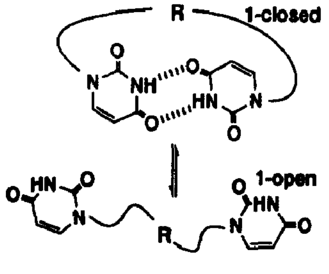
- Effect of Self-preorganization of Artificial Receptor-

Yasuhisa Kuroda*, Juha M. Lintuluoto and Hisanobu Ogoshi*
Department of Synthetic and Biological Chemistry, Kyoto University, Sakyo-ku, Kyoto 606-01, Japan

The artificial nucleobase receptor, 1, shows behaviour of self-preorganization and it recognizes adenine base high selectively. When temperature is 5 °C or higher, complexation with adenine base goes mainly through 1-closed.

1-closed + 9-EtAde $\rightleftharpoons$ 1-closed•9-EtAde $K_{30\,^\circ C} = 170\ M^{-1}$

1-open + 9-EtAde $\rightleftharpoons$ 1-open• 9-EtAde $K_{30\,^\circ C} = 96\ M^{-1}$

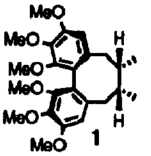


Tetrahedron Letters, **1994**, *35*, 3733

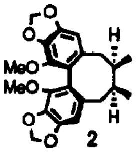
First Total Synthesis of Optically Pure Deoxyschizandrin and Wuweizisu C. The Thermal Stability of Biaryl Configuration.

Masahide Tanaka, Hiroshi Mitsuhashi, Masao Maruno, and Takeshi Wakamatsu*
Central Research Laboratories, Tsumura & Co. 3586 Yoshiwara, Ami-machi, Inashiki-gun, Ibaraki 300-11, Japan

The total synthesis of deoxyschizandrin (1) and wuweizisu C (2) was accomplished and the thermal stability of biraryl configuration was confirmed.



1



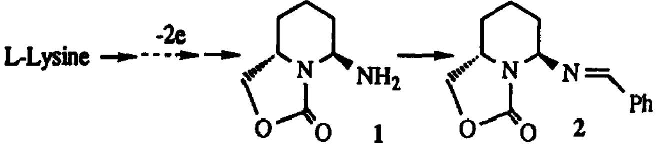
2

Tetrahedron Letters, **1994**, *35*, 3737

FIRST SYNTHESIS OF OPTICALLY PURE α-AMINO AMINE AS ASYMMETRIC AMINO TRANSFER REAGENT AND ITS USE IN ASYMMETRIC MANNICH REACTION

Yoshihiro MATSUMURA* and Takashi TOMITA, *Division of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Yoshida, Sakyo, Kyoto 606-01, Japan*

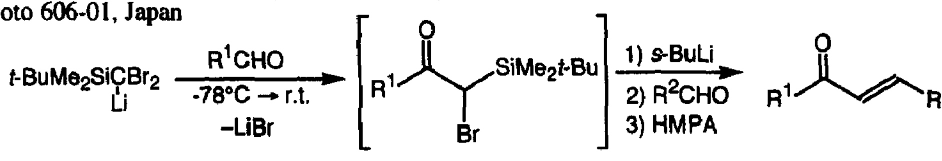
An optically pure α-amino amine 1 was first synthesized from L-lysine and the Schiff base 2 was used as a reagent for the asymmetric Mannich reaction.



Tetrahedron Letters, **1994**, *35*, 3741

One-Pot Synthesis of α,β-Unsaturated Ketones from *tert*-Butyldimethylsilyldibromomethane and Two Different Aldehydes

H. Shinokubo, K. Oshima,* and K. Utimoto*
Division of Material Chemistry, Faculty of Engineering, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-01, Japan

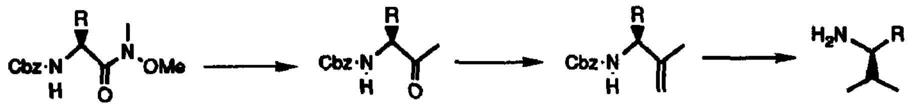


Tetrahedron Letters, **1994**, *35*, 3745

An Efficient and Enantioselective Synthesis of A Chiral Primary Amine.

Youngchan Son,Chihyo Park,Jong Sung Koh,Nakyen Choy,Chang S. Lee,Ho-il Choi, Sung Chun Kim and Heungsik Yoon*, Biotechnology, R & D Center, Lucky LTD., P.O.Box 108 Dae Jeon Youseong, Science Town, Dae Jeon, Korea

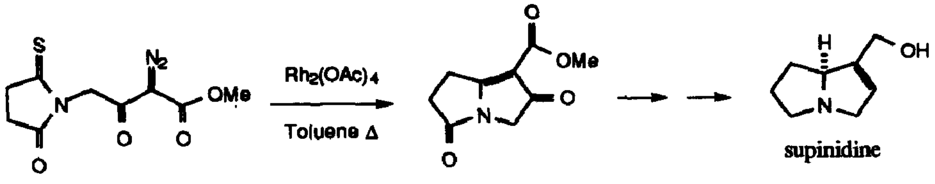
An optically active primary amine was prepared from L or D-amino acid with very high ee.



Tetrahedron Letters, **1994**, *35*, 3747

A Synthesis of (±)-Supinidine *via* an Intramolecular Carbenoid-Thioimide Coupling Reaction

Guncheol Kim*, Sunwha Kang and Gyochang Keum
Hanhyo Institutes of Technology, San 6, Daeyadong, Siheungshi, Kyunggido, S.Korea

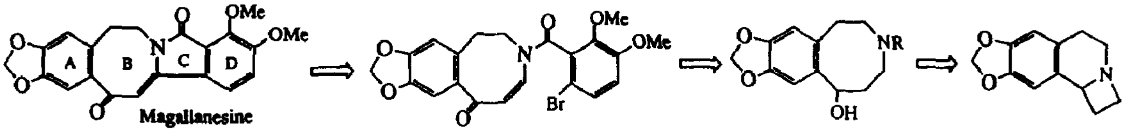


Tetrahedron Letters, **1994**, *35*, 3749

A Total Synthesis of Magallanesine *via* [1,2]-Meisenheimer Rearrangement

R. Yoneda, Y. Sakamoto, Y. Oketo, K. Minami, S. Harusawa, and T. Kurihara
Osaka University of Pharmaceuticl Sciences, 2-10-65 Kawai, Matsubara, Osaka 580, Japan

A straightforward synthesis of magallanesine from azetoisoquinoline has been accomplished *via* [1,2]-Meisenheimer rearrangement and an intramolecular Heck cyclization as the key reactions.

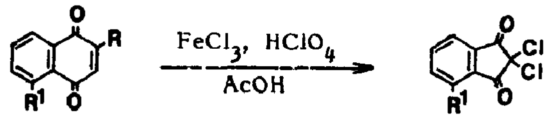


Tetrahedron Letters, **1994**, *35*, 3753

Synthesis of 2,2-Dichloroindane-1,3-diones from 1,4-Napthoquinones

Prem K. Singh and Rajinder N. Khanna*
Chemistry Department, Delhi University, Delhi 110 007, India

Synthesis of 2,2-dichloroindane-1,3-diones from 1,4-naphthoquinones with iron(III) chloride and perchloric acid.

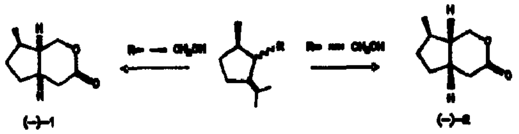


Tetrahedron Letters, **1994**, *35*, 3755

INTRAMOLECULAR HORNER-WADSWORTH-EMMONS REACTION IN BASE SENSITIVE SUBSTRATES: ENANTIOSPECIFIC SYNTHESIS OF IRIDOID MONOTERPENE LACTONES

A. Nangia,* G. Prasuna and P. Bheema Rao
School of Chemistry, University of Hyderabad, Hyderabad 500 134, India

Cyclopentapyranones (-)-1 and (-)-2 are synthesised from R-pulegone.

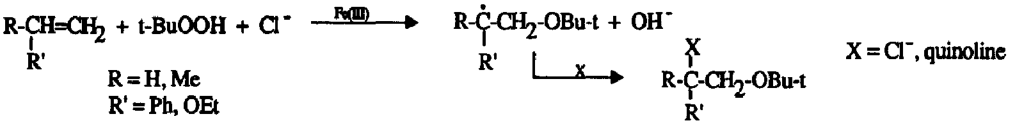


Tetrahedron Letters, **1994**, *35*, 3759

NEW FREE-RADICAL SYNTHESES UNDER GIF-BARTON OXIDATION CONDITIONS

Francesco Minisci,* Francesca Fontana, Silvia Araneo, Francesco Recupero
Dipartimento di Chimica del Politecnico; via Mancinelli, 7; I-20131 Milano, Italy

t-BuO· radicals, generated under GoAgg^{IV} oxidation conditions, are trapped with electron-rich alkenes.



$$\text{R-}\underset{\text{R'}}{\text{CH}}\text{=CH}_2 + \text{t-BuOOH} + \text{Cl}^- \xrightarrow{\text{Fe(III)}} \text{R-}\underset{\text{R'}}{\dot{\text{C}}}\text{-CH}_2\text{-OBu-t} + \text{OH}^- \xrightarrow{\text{X}} \text{R-}\underset{\text{R'}}{\overset{\text{X}}{\text{C}}}\text{-CH}_2\text{-OBu-t}$$

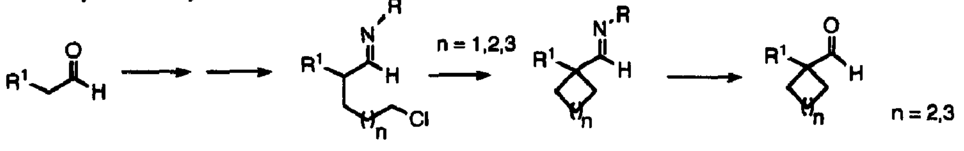
R = H, Me
R' = Ph, OEt

X = Cl$^-$, quinoline

Tetrahedron Letters, **1994**, *35*, 3763

α,α-CYCLOBISALKYLATION OF ALDEHYDES VIA ω-HALOALDIMINES

Christian V. Stevens*, Norbert G. De Kimpe* and Alan R Katritzky#
*Laboratory of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, University of Gent, Coupure Links 653, B-9000 Gent, BELGIUM, # Florida Center for Heterocyclic Compounds, Department of Chemistry, University of Florida, P.O. Box 117200, Gainesville, FL 32611-7200, USA.

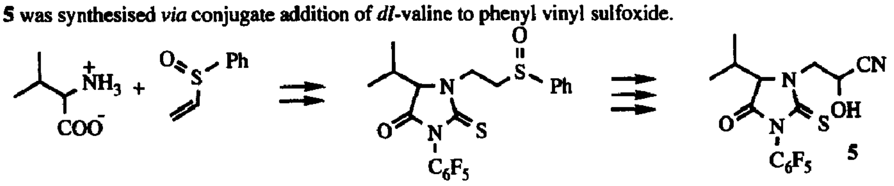


Tetrahedron Letters, **1994**, *35*, 3767

SYNTHESIS OF PENTAFLUOROPHENYLTHIOHYDANTOIN DERIVATIVES OF ADDUCTS FORMED WITH *dl*-VALINE BY ACRYLONITRILE AND CYANOETHYLENE OXIDE.

Ronnie M. Lawrence, M.R.C. Toxicology Unit, Hodgkin Building, University of Leicester, Lancaster Rd, Leicester, LE1 9HN, UK

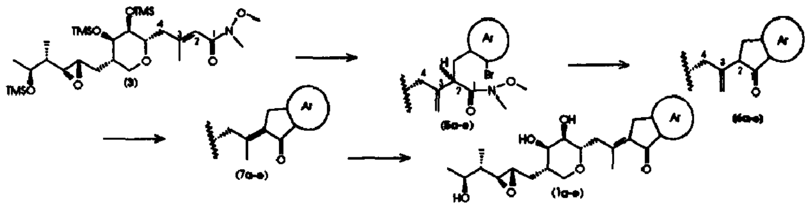
Cyanohydrin **5** was synthesised *via* conjugate addition of *dl*-valine to phenyl vinyl sulfoxide.



Tetrahedron Letters, **1994**, *35*, 3771

Preparation of *E*-(2-Substituted-1-Methylethylidene)indanones Derived from Monic Acid.

Neil D. Pearson*, Nigel J. P. Broom and Peter J. O'Hanlon, SmithKline Beecham Pharmaceuticals, Brockham Park, Betchworth, Surrey RH3 7AJ

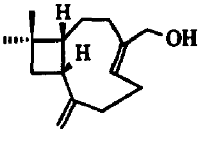


Tetrahedron Letters, **1994**, *35*, 3775

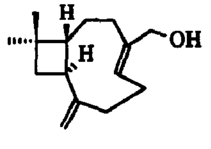
ALCOHOL FROM *JUNIPERUS OXYCEDRUS* IS REASSIGNED AS 15-HYDROXY-β-CARYOPHYLLENE.

Simon F. R. Hinkley, Nigel B. Perry and Rex T. Weavers, Plant Extracts Research Unit, Crop & Food Research, Department of Chemistry, University of Otago, Box 56, Dunedin, New Zealand.

The sesquiterpene previously assigned as 15-hydroxy-9-epi-β-caryophyllene (**1**) has been shown to be (1*R*,9*S*,4*Z*)-15-hydroxy-β-caryophyllene (**2**).



(1)



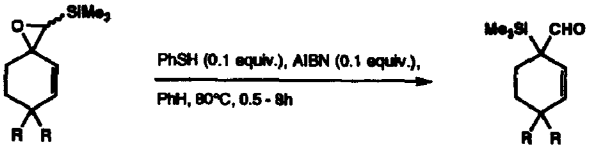
(2)

Tetrahedron Letters, **1994**, *35*, 3777

FREE RADICAL REARRANGEMENT OF ALKENYL EPOXY SILANES. ISOLATION OF α-TRIMETHYLSILYL ALDEHYDES.

Jeremy Robertson* and Jeremy N. Burrows
The Dyson Perrins Laboratory, South Parks Road, Oxford, OX1 3QY, U.K.

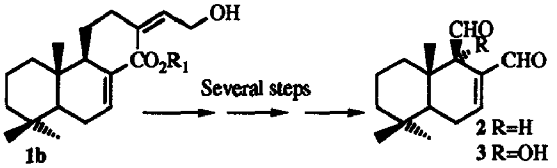
Cycloalkenyl epoxy silanes rapidly isomerise under homolytic conditions to yield α-trimethylsilyl aldehydes.



Tetrahedron Letters, **1994**, *35*, 3781

DIASTEREOSELECTIVE RING-OPENING OF 12-ACETOXY-9α AND 9β(11)-EPOXY-7-DRIMENE: HOMOCHIRAL SEMISYNTHESIS OF POLIGODIAL AND WARBURGANAL.

Julio G. Urones*, Isidro S. Marcos, Belén Gómez Pérez, Anna M. Lithgow, David Díez, Pilar Basabe and Patricio M. Gómez. Dpto. de Química Orgánica, Pza. de los Caídos 1-5, 37008 Salamanca, Spain.



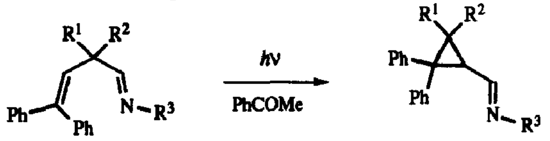
Poligodial 2 and Warburganal 3 are obtained in 55 % yield and 27 % yield, respectively, from Zamoranic acid Methyl ester 1b. These yields are considerably better than those previously reported.

Tetrahedron Letters, **1994**, *35*, 3785

The Aza-di-π-methane Rearrangement of β,γ-Unsaturated Oximes

Diego Armesto, Ana Ramos and Elena P. Mayoral,*
Departamento de Quimica Organica I, Facultad de Ciencias Quimicas, Universidad Complutense, 28040-Madrid, Spain.

The first examples of aza-di-π-methane (ADPM) rearrangement in acyclic β,γ-unsaturated oximes and oxime ethers are described in the sensitized irradiation of the compounds shown below.

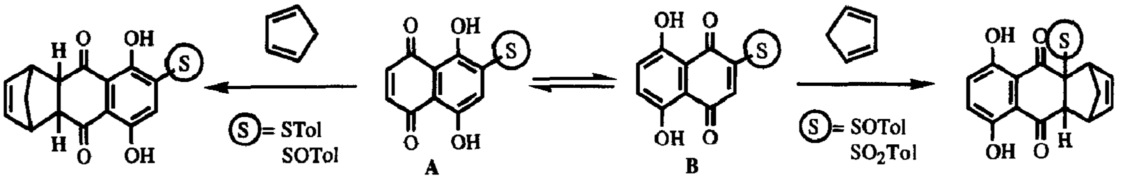


R^1 = vinyl, R^2 = Me, R^3 = OH
R^1 = vinyl, R^2 = Me, R^3 = OMe
R^1 = R^2 = Ph, R^3 = OH

Tetrahedron Letters, **1994**, *35*, 3789

CONTROL OF THE RING SELECTIVITY IN DIELS-ALDER REACTIONS OF NAPHTHAZARINS MEDIATED BY SULFUR FUNCTIONS.

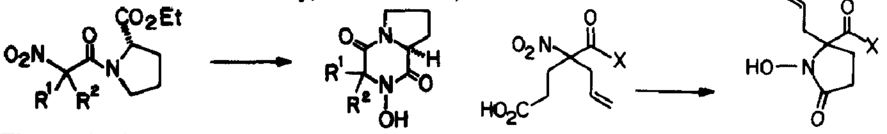
M. Carmen Carreño*, José L. García Ruano* and Antonio Urbano
Departamento de Química (C-I). Universidad Autónoma. Cantoblanco. 28049-Madrid. Spain.



Tetrahedron Letters, **1994**, *35*, 3793

Synthesis of Novel Cyclic Hydroxamic Acids

Pabba Chittari, Achamma Thomas and Srinivasachari Rajappa*
Division of Organic Chemistry(Synthesis)
National Chemical Laboratory, Pune 411008, India.



The synthesis of novel cyclic hydroxamic acids from nitroacetic acid derivatives is described

Tetrahedron Letters, **1994**, *35*, 3797

The Stereoselective Functionalisation of 1,1-bis-(tributylstannyl)ethenes

Y. Zhao[§], P. Quayle[§]*, and E. A. Kuo[¶].
[§]Department of Chemistry. The Victoria University of Manchester
Manchester M13 9PL, UK and [¶] Roussel Scientific Institute. Swindon.

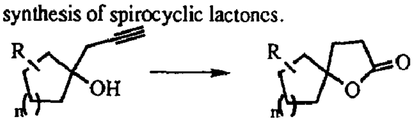
The stereoselective transmetallation 1,1-bis-stannylethenes is described.

Tetrahedron Letters, **1994**, *35*, 3801

Transition Metal Promoted Acetylene Isomerisation Reactions In Organic Synthesis

P. Quayle[§]*, S. Rahman[§], E. L. M. Ward[§], and J. Herbert[¶] .[§]Department of Chemistry,
The Victoria University of Manchester. Manchester M13 9PL, UK
and[¶]Sterling Winthrop Research Centre. Alnwick. Northumberland. UK.

A Transition metal acetylene-vinylidene rearrangement has been developed for the synthesis of spirocyclic lactones.

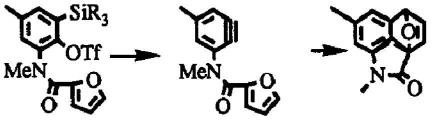


Tetrahedron Letters, **1994**, *35*, 3805

A Novel Approach To Polycyclic Indolic Systems.

P. N. Edwards[¶], I. R. Hardcastle[§], R. F. Hunter[§], and P. Quayle[§]*.
[§] Department of Chemistry, The Victoria University of Manchester.
Manchester M13 9PL. UK ; [¶] Zeneca Pharmaceuticals. Alderley Park.
Macclesfield SK10 4TG, UK.

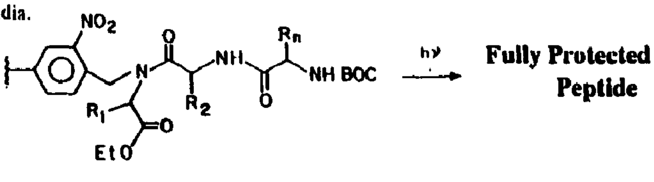
A novel Diels-Alder strategy for the preparation of oxindoles is described.



Tetrahedron Letters, **1994**, *35*, 3809

SYNTHESIS OF FULLY PROTECTED PEPTIDES ON A TETRA-ETHYLENEGLYCOL DIACRYLATE (TTEGDA)-CROSSLINKED POLY-STYRENE SUPPORT WITH A PHOTOLYTICALLY DETACHABLE 2-NITRO BENZYL ANCHORING GROUP

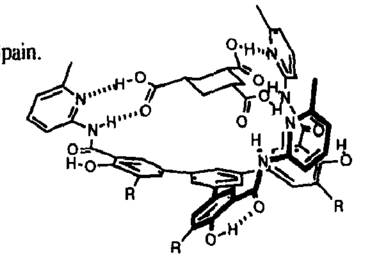
M.Renil & V.N.Rajasekharan Pillai,* School of Chemical Sciences,
Mahatma Gandhi University, Kottayam 686 560, India.



Tetrahedron Letters, **1994**, *35*, 3813

MOLECULAR RECOGNITION OF CIS-1,3,5-CYCLOHEXANETRICARBOXYLIC ACID

Pablo Ballester, Antoni Costa, Pere M. Deyà, José F. González, M. Carmen Rotger
Departament de Química, Universitat de les Illes Balears 07071-Palma de Mallorca, Spain.
and Ghislain Deslongchamps.
Department of Chemistry, University of New Brunswick, N.B., Canada E3B 6E2.



The synthesis of a new receptor designed to bind tricarboxylic acids in organic solvents is described. The binding properties of the complex formed between the new receptor and cis-1,3,5-cyclohexanetricarboxylic acid are described

---

Tetrahedron Letters, **1994**, *35*, 3817

NEW SYNTHETIC APPLICATIONS OF VINYLIMINOPHOSPHORANES BASED ON THE REACTIVITY OF THE VINYL SIDE CHAIN.

Pedro Molina*, Enrique Aller, Antonia López-Lázaro, Mateo Alajarín, Angeles Lorenzo, Departamento de Química Orgánica, Universidad de Murcia, Campus de Espinardo, E-30071 Murcia, Spain

New reactions of vinyliminophosphoranes involving either the β-carbon atom of the vinyl side chain as nucleophilic center or the α-carbon as electrophilic center are described.