

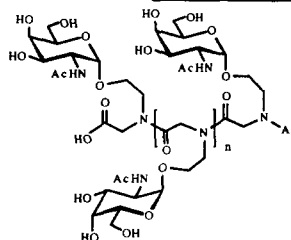
GRAPHICAL ABSTRACTS

OLIGOMERIC GLYCOPEPTIDOMIMETICS BEARING THE CANCER RELATED T_N-ANTIGEN

Jin Mi Kim and René Roy*

Department of Chemistry, University of Ottawa
Ottawa, Ontario, Canada K1N 6N5

α -O-Linked N-acetylgalactosamine clusters with 2, 3, 4, 6, and 8 repeating units were synthesized using a reiterative blockwise approach and N-substituted oligoglycine peptoid backbones.



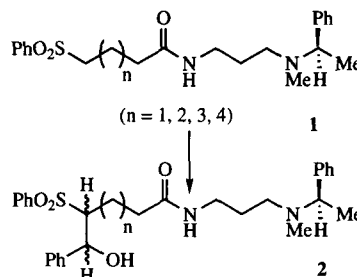
Tetrahedron Letters, 1997, 38, 3487

1,13 and 1,14 Asymmetric Induction: Remote Control

Nicholas Magnus and Philip Magnus

Department of Chemistry and Biochemistry,
University of Texas at Austin, Austin, Texas 78712.

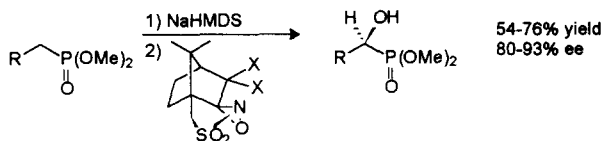
Treatment of the acyclic sulfones **1** ($n = 1, 2, 3$ and 4) with n -BuLi/THF/ -100°C followed by PhCHO gave only two diastereomeric β -hydroxysulfones **2**. The selection of two out of a possible four diastereomers is observed even though the chiral inducing entity is 10, 11, 12 and 13 atoms from the reaction locus.



Tetrahedron Letters, 1997, 38, 3491

Enantioselective Synthesis of α -Hydroxy Phosphonates via Oxidation with (Camphorsulfonyl)oxaziridines. Diana M. Pogatchnik and David F. Wiemer,*
Department of Chemistry, University of Iowa, Iowa City, Iowa 52245.

Oxidation of benzylphosphonate anions with enantiomerically pure (camphorsulfonyl)oxaziridines results in formation of nonracemic α -hydroxy phosphonates in good enantiomeric excess.

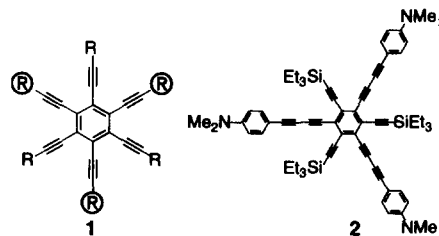


Tetrahedron Letters, 1997, 38, 3495

1,3,5 / 2,4,6-Differentiated Hexaalkynylbenzenes: Absorption and Fluorescence Properties of a D_{3h}-Symmetric Donor-Substituted System

John E. Anthony, Saeed I. Khan, and Yves Rubin*
Department of Chemistry and Biochemistry,
University of California, Los Angeles, CA 90095-1569

The synthesis of 1,3,5 / 2,4,6 differentially functionalized hexaethynylbenzene derivatives (**1**) is described. Interesting solvatochromic behavior was observed for **2** in the absorption and emission spectra. A twisted intramolecular charge transfer (TICT) state in polar solvents appears to be involved.

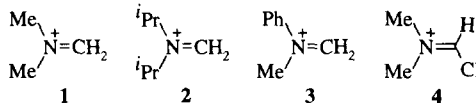


Tetrahedron Letters, 1997, 38, 3499

ELECTROPHILICITIES OF IMINIUM IONS

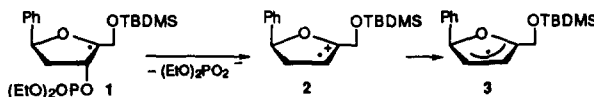
Herbert Mayr* and Armin R. Ofial,
 Institut für Organische Chemie der Universität München, Karlstraße 23, 80333 München, Germany

Electrophilicity parameters of iminium ions 1-4 were determined that allow to define scope and limitation of electrophilic aminomethylations.

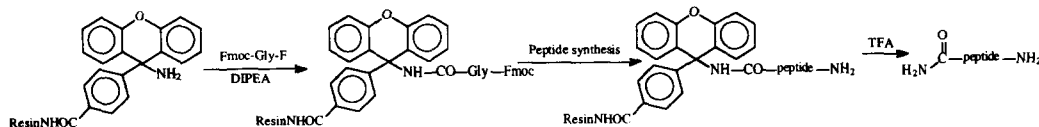
**ESR Evidence for a Heterolytic C,O-Bond Cleavage in Models of 4'-DNA Radicals**

Stefan Peukert, Rohit Batra, Bernd Giese*,
 Department of Chemistry, University of Basel, St. Johans-Ring 19, CH-4056 Basel, Switzerland.

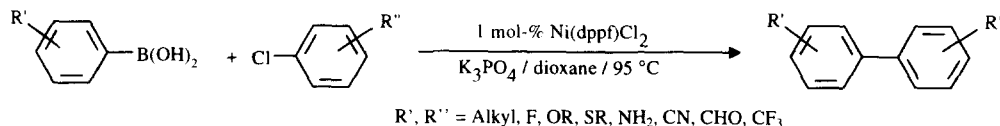
ESR evidence is given for the reaction sequence 1→3 which models the anaerobic cleavage of 4'-DNA radicals.

**9-HYDROXY-9-(4-CARBOXYPHENYL)XANTHENE - A NEW LINKER FOR THE SYNTHESIS OF PEPTIDE AMIDES.** Bernd Henkel, Weiguang Zeng, Ernst Bayer, Institute of Organic Chemistry, University of Tübingen, Auf der Morgenstelle 18, D-72076 Tübingen, Germany

Solid phase synthesis of peptide amides with a new linker

**Suzuki-Type Coupling of Chloroarenes with Arylboronic Acids Catalysed by Nickel Complexes.** Adriano F. Indolese*, Catalysis Research, Novartis Services AG, CH-4002 Basel, Switzerland

Unsymmetrical biaryls were synthesised in high yields starting from chloroarenes and arylboronic acid using a nickel catalyst.

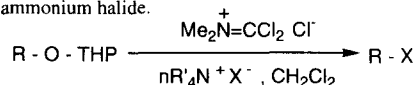


One-step Conversion of protected alcohols into alkyl halides using Dimethylphosgeniminium salt

Tetrahedron Letters, 1997, 38, 3517

T. Schlama, V. Gouverneur and C. Mioskowski*, Laboratoire de Chimie Bioorganique associé au CNRS, Université Louis Pasteur de Strasbourg, Faculté de Pharmacie, 74 route du Rhin, BP 24, F-67401 Illkirch

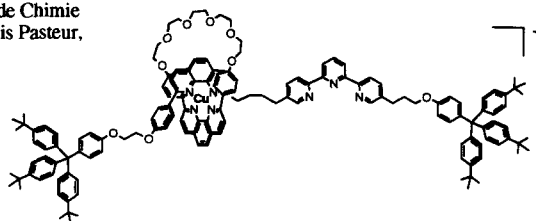
Efficient conversion of tetrahydro-2-pyranyl (THP)protected alcohols into the corresponding halides using dichlorophosgeniminium chloride in the presence of tetraalkylammonium halide.



TRANSITION-METAL TEMPLATE SYNTHESIS OF A ROTAXANE INCORPORATING TWO DIFFERENT COORDINATING UNITS IN ITS THREAD. Pablo Gavifa and Jean-Pierre Sauvage*, Laboratoire de Chimie Organo-Minérale, associé au CNRS, Faculté de Chimie, Université Louis Pasteur, 4 rue Blaise Pascal, F-67070 Strasbourg, France.

Tetrahedron Letters, 1997, 38, 3521

Synthesis of a [2]rotaxane consisting of a functionalized molecular string threaded into a coordinating ring thanks to the template effect of copper (I).



ELECTRON-TRANSFER REACTION OF 1,2-DISILA-3,5-CYCLOHEXADIENES.

Tetrahedron Letters, 1997, 38, 3525

Masahiro Kako, Hideki Takada, and Yasuhiro Nakadaira,* Department of Chemistry, The University of Electro-Communications, Chofu, Tokyo 182, Japan

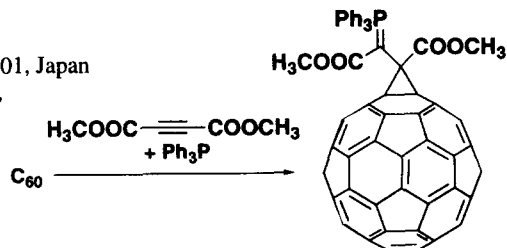
Photolysis of 1,2-disila-3,5-cyclohexadienes in the presence of methylene blue as a sensitizer afforded the corresponding siloles.



PREPARATION AND STRUCTURE OF NOVEL METHANOFULLERENE CONTAINING STABLE P-YLID

Tetrahedron Letters, 1997, 38, 3529

Hiroshi Yamaguchi and Shizuaki Murata,* Graduate School of Human Informatics, Nagoya University, Chikusa, Nagoya 464-01, Japan
Takeshi Akasaka, Graduate School of Science and Technology, Niigata University, Niigata 950-21, Japan
Toshiyasu Suzuki, Fundamental Research Laboratories, NEC Corporation, 34 Miyukigaoka, Tsukuba 305, Japan

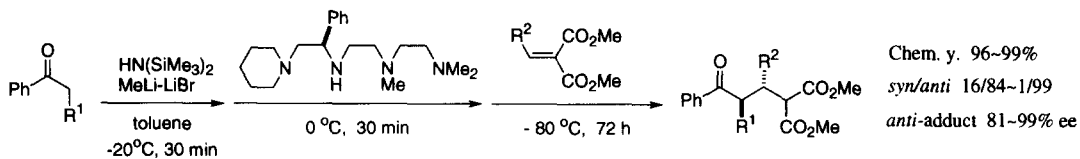


Tetrahedron Letters, 1997, 38, 3531

CONSTRUCTION OF CONTIGUOUS CHIRAL TERTIARY CARBON CENTERS BY ENANTIOSELECTIVE MICHAEL REACTION OF KETONE LITHIUM ENOLATES USING A CHIRAL AMINE LIGAND.

Kōsuke Yasuda,^a Mitsuru Shindo,^b and Kenji Koga^{c*}

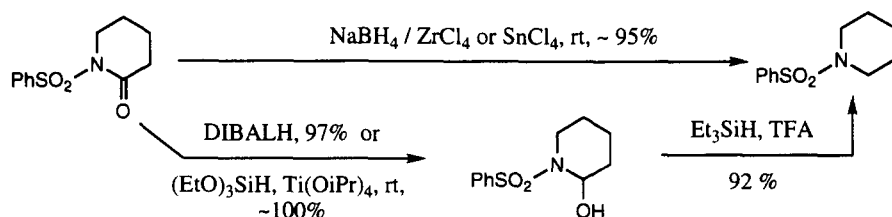
^aLead Optimization Research Lab., Tanabe Seiyaku Co., Ltd., Saitama 335, Japan. ^bInstitute of Medicinal Resources, Univ. of Tokushima, Tokushima 770, Japan. ^cFaculty of Pharmaceutical Sci., Univ. of Tokyo, Tokyo 113, Japan



AN EFFICIENT PROTOCOL FOR THE SELECTIVE REDUCTION OF BENZENESULFONYLLACTAM TO BENZENESULFONYL CYCLIC AMINE

Toshihiro Hosaka, Yasuhiro Torisawa, and Masako Nakagawa*
Faculty of Pharmaceutical Sciences, Chiba University, 263 Japan

Tetrahedron Letters, 1997, 38, 3535



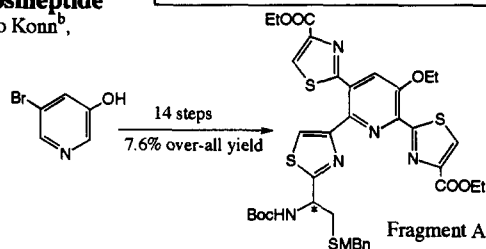
The Synthesis of Fragment A of an Antibiotic, Nosiheptide

Kazuyuki Umemura^{a*}, Hirofumi Noda^a, Juji Yoshimura^a, Akihito Konn^b,
Yasuchika Yonezawa^b, and Chung-gi Shin^b

^a College of Science and Engineering, Iwaki Meisei University,
Iwaki 970, Japan

^b Laboratory of Organic Chemistry, Faculty of Technology,
Kanagawa University, Yokohama 221, Japan

Tetrahedron Letters, 1997, 38, 3539

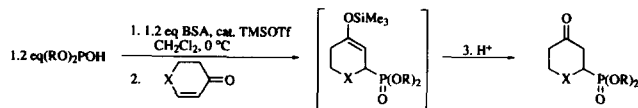


TRIMETHYLSILYL TRIFLATE PROMOTED 1,4-ADDITION OF SILYL PHOSPHITE TO CYCLIC ENONES.

Ichiro Mori*, Yoko Kimura, Toshihito Nakano,
Shin-ichiro Matsunaga, Genji Iwasaki, Atsuko Ogawa, Kenji Hayakawa, Chemistry Department, International
Research Laboratories, Ciba-Geigy Japan Ltd, P.O. Box 1, Takarazuka 665, Japan

Tetrahedron Letters, 1997, 38, 3543

A catalytic amount of TMSOTf remarkably facilitated the conjugate addition of silyl phosphites, prepared in situ, to cyclic enones.



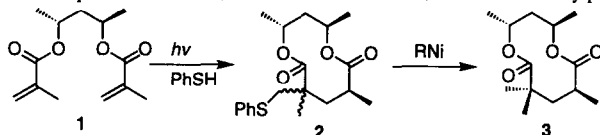
RADICAL REACTION OF THE DIMETHACRYLIC ESTER OF (2*R*,4*R*)-2,4-PENTANEDIOL. ADDITION-CYCLIZATION-

Tetrahedron Letters, 1997, 38, 3547

TERMINATION PROCESS OF HIGH YIELD UNDER RIGOROUS STEREOCONTROL OF THE

TERMINATION STEP Takashi Sugimura,* Shinya Nagano and Akira Tai Faculty of Science, Himeji Institute of Technology, Kanaji, Kamigori, Ako-gun, Hyogo 678-12 Japan

Photolysis of 1 with thiophenol afforded 2, and after desulfurization, diastereomerically pure 3 was obtained in 93.6% for two steps.



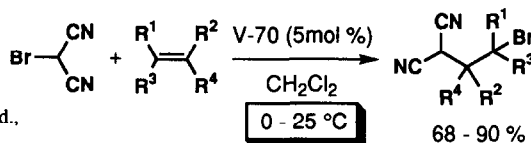
ADDITIONS OF MALONONITRILE RADICALS TO ALKENES UNDER MILD CONDITIONS USING 2,2'-AZOBIS-(2,4-DIMETHYL-4-METHOXYVALERONITRILE) (V-70) AS AN INITIATOR

Tetrahedron Letters, 1997, 38, 3549

Yasuyuki Kita^{a*}, Atsunori Sano^b, Takahiro Yamaguchi^b, Masahisa Oka^b, Kentoku Gotanda^a and Masato Matsugi^a

^aFaculty of Pharmaceutical Sciences, Osaka University, 1-6 Yamada-oka, Suita, Osaka 565, Japan

^bTokyo Research Laboratories, Wako Pure Chemical Industries, Ltd., 1633, Matoba, Kawagoe, Saitama 350-11, Japan



2,2'-Azobis-(2,4-dimethyl-4-methoxyvaleronitrile) (V-70) is an effective radical initiator at low temperature in contrast to 2,2'-azobisisobutyronitrile (AIBN).

ENANTIOSELECTIVE ACYCLIC STEREOSELECTION UNDER CATALYST CONTROL. 2. ASYMMETRIC SYNTHESIS OF *syn*- AND *anti*-1,3-DIOLS INCORPORATING AN ACETATE

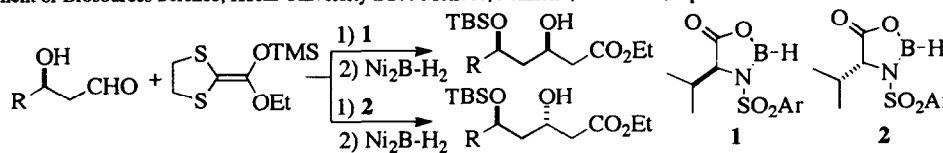
Tetrahedron Letters, 1997, 38, 3553

EQUIVALENT BY THE CHIRAL OXAZABOROLIDINONE-CATALYZED ALDOL REACTION

Syun-ichi Kiyooka,* Takafumi Yamaguchi, Hirofumi Maeda, Haruhide Kira, Mostofa Abu Hena¹, and Michio Horike¹

Department of Chemistry, Kochi University Akebono-cho, Kochi 780, Japan

¹Department of Biosources Science, Kochi University B200 Monobe, Nankoku, Kochi 783, Japan

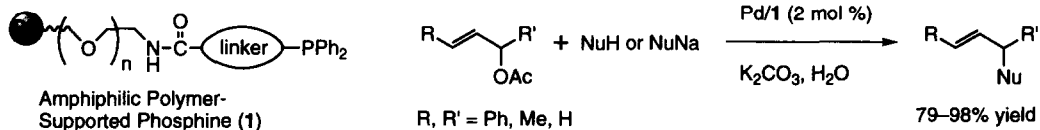


NEW AMPHIPHILIC PALLADIUM-PHOSPHINE COMPLEXES BOUND TO SOLID SUPPORTS: PREPARATION AND USE FOR CATALYTIC ALLYLIC SUBSTITUTION IN AQUEOUS MEDIA

Tetrahedron Letters, 1997, 38, 3557

Yasuhiro Uozumi,* Hiroshi Danjo, and Tamio Hayashi*

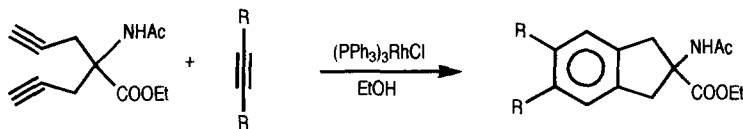
Department of Chemistry, Faculty of Science, Kyoto University, Sakyo, Kyoto 606-01, Japan



**SYNTHESIS OF UNUSUAL α -AMINO ACIDS via a 2+2+2
CYCLOADDITION STRATEGY.** Sambasivarao Kotha* and

Enugurthi Brahmachary, Department of Chemistry, Indian Institute of Technology,
Powai, Mumbai, 400 076, India

Tetrahedron Letters, 1997, 38, 3561

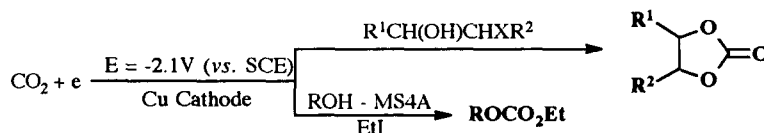


**ELECTROCHEMICAL ACTIVATION OF CARBON DIOXIDE:
SYNTHESIS OF ORGANIC CARBONATES.** A. Inesi and L. Rossi,*

Dip. Chimica, Ing. Chim. e Mat. Università degli Studi, L'Aquila, I-67040 Italy; M. A. Casadei,
Dip. Studi Chim. Tecn. Sost. Biolog. Attive, Università "La Sapienza", I-00185 Roma, Italy.

Tetrahedron Letters, 1997, 38, 3565

Reaction of electrochemically reduced CO_2 with alcohols leads to the corresponding organic carbonates.



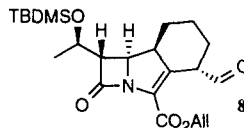
**THE STEREOSELECTIVE SYNTHESIS OF 4-FORMYL
TRINEM, A KEY INTERMEDIATE FOR NOVEL TRINEMIS**

Chiara Ghiron,* Tino Rossi and Russell J. Thomas*

Glaxo Wellcome Medicines Research Centre, Via A. Fleming 4, 37135, Verona, Italy.

Tetrahedron Letters, 1997, 38, 3569

Abstract: The stereoselective synthesis of a protected 4-formyltrinem **8** was accomplished in good yield. This compound is an intermediate in the synthesis of a range of 4-alkenyl trinem antibiotics.

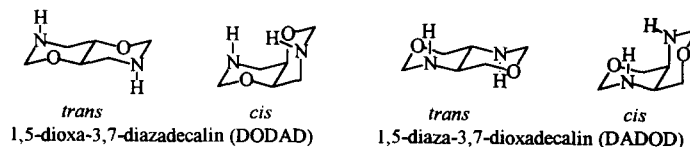


**A NEW CLASS OF HETEROBICYCLIC SYSTEMS:
DIOXADIAZADICALINS**

Alexander Star, N. Gabriel Lemcoff, Israel Goldberg and Benzion Fuchs*
School of Chemistry, Tel-Aviv University, Ramat-Aviv, 69978 Tel-Aviv, Israel

Tetrahedron Letters, 1997, 38, 3573

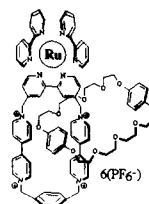
Preparation and study of DODAD and DADOD diastereomers. Enantiopure 2,6-di(p-nitrophenyl)-*cis*-DODAD and *cis*-DADOD analysed by X-ray diffraction. Stereoelectronic effects, computations.



CATION CHELATING [2]CATENANES AND CYCLOPHANES BASED ON 2,2'-BIPYRIDINE

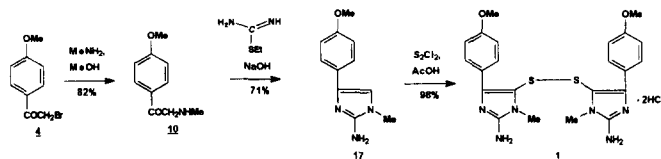
Andrew C. Benniston, Philip R. Mackie and Anthony Harriman, Chemistry Department, University of Glasgow, Glasgow, G12 8QQ, UK and Laboratoire de Photochimie, E.H.I.C.S., 1, rue Blaise Pascal, Strasbourg, 67008, France.

Several tetracationic [2]catenanes and cyclophanes have been synthesised containing the cation chelating 2,2'-bipyridyl (bipy) subunit. The chelator is used to generate photoactive ruthenium(II) and osmium(II) assemblies and create a site for further metal cluster formation.



SYNTHESIS OF POLYCARPINE, A CYTOTOXIC SULFUR-CONTAINING ALKALOID FROM THE ASCIDIAN *POLYCARPA AURATA*, AND RELATED COMPOUNDS. Oleg S. Radchenko, Vyacheslav L. Novikov*, and George B. Elyakov. Pacific Institute of Bio-Organic Chemistry, Far East Division, the Russian Academy of Sciences, 690022, Vladivostok, Russia.

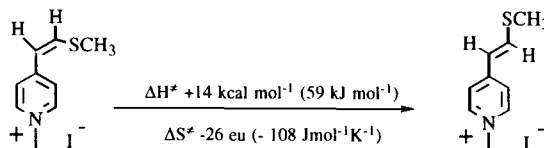
Richard H. Willis and Peter T. Murphy. Australian Institute of Marine Sciences, Townsville, QLD 4810, Australia.



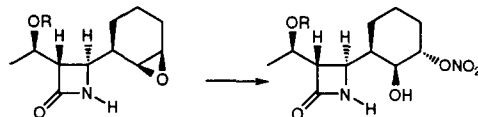
Polycarpine **1** was synthesized in three steps from **4** in 57% overall yield. Ten analogues of **1** were obtained in a like manner.

DETERMINATION OF A LOW ISOMERISATION BARRIER IN A PUSH-PULL ALKENE: CONVERSION OF THE (Z)-ISOMER TO THE (E) 1-METHYL-4-(2'-METHYLTHIOVINYL)PYRIDINIUM IODIDE.

Hong-Sig Sin, Michel Holler, Alain Burger, Jean-François Biellmann*. Laboratoire de Chimie Organique Biologique associé au CNRS, Faculté de Chimie, Université Louis Pasteur, 1 rue Blaise Pascal, 67008 Strasbourg, France.



Nitrate Ester Derivatives from Epoxides Using CAN: Efficient Preparation of Key Intermediates in the Synthesis of 4-Alkoxytrinemers. Romano Di Fabio*, Tino Rossi and Russell J. Thomas. Medicines Research Centre, Glaxo Wellcome S.p.A., Via A. Fleming 4, 37100 Verona (Italy). Fax 45-9218196; E-mail rdj26781@ggr.co.uk.



A regio and stereoselective opening reaction of epoxides with CAN in aprotic solvents is described.

Tetrahedron Letters, **1997**, *38*, 3591

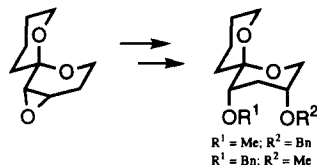
SYNTHESIS OF A NEW SPIROACETAL BASED HERBICIDE

Margaret A. Brimble,^{a*} Andrew D. Johnston^a and Richard J. Furneaux^b

^aDepartment of Chemistry, University of Sydney, NSW 2006, Australia.

^bIndustrial Research Ltd., Gracefield Rd., Petone, New Zealand

The synthesis of a new spiroacetal based herbicide is reported making use of a base induced rearrangement of an epoxyspiroacetal.

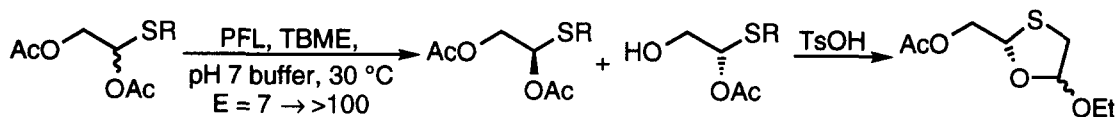


Tetrahedron Letters, **1997**, *38*, 3595

Enzymatic Resolution of α,β -Diacetoxysulfides: Synthesis of Optically Active O,S-Acetals by Regiospecific Enantioselective Primary Acetate Hydrolysis

S. Brand^a, M.F. Jones^b and C. M. Rayner^{a*}

^aSchool of Chemistry, University of Leeds, Leeds LS2 9JT, U.K.; ^bChemical Development, Glaxo-Wellcome Research and Development, Gunnels Wood Road, Stevenage, Herts., SG1 2NY, U.K.

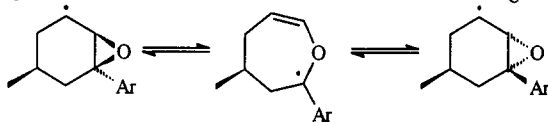


Tetrahedron Letters, **1997**, *38*, 3599

DEMONSTRATION OF REVERSIBLE C-C BOND CLEAVAGE IN OXIRANYLCARBINYL RADICALS.

Brian A. Marples,^{*} John A. Rudderham and Alexandra M. Z. Slawin, Department of Chemistry, Loughborough University, Loughborough LE11 3TU, UK. Andrew J. Edwards and Nicholas W. Hird, SmithKline Beecham Pharmaceuticals, New Frontiers Science Park, Third Avenue, Harlow, Essex, CM19 5AW, UK.

A stereochemical probe has been used to demonstrate the reversible C-C cleavage of aryl-substituted oxiranylcarbiny radicals.



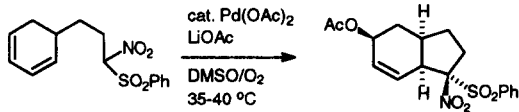
Tetrahedron Letters, **1997**, *38*, 3603

The Use of Stabilized Carbon Nucleophiles in Palladium(II)-Catalyzed 1,4-Oxidation of Conjugated Dienes

Magnus Rønn, Pher G. Andersson,^{*} and Jan-E. Bäckvall^{*}

Department of Organic Chemistry, University of Uppsala, Box 531, S-751 21 Uppsala, Sweden

The first example of a palladium-catalyzed oxidation involving nucleophilic attack by a stabilized carbanion is reported. A useful stereocontrol was obtained in the cyclization.



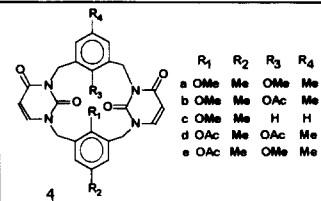
THE FIRST SYNTHESIS OF URACIL BASED CALIX[4]ARENE DERIVATIVES

Tetrahedron Letters, 1997, 38, 3607

Subodh Kumar*, Dharam Paul and Harjit Singh*

Department of Chemistry, Guru Nanak Dev University, Amritsar - 143 005, India.

The newly synthesized uracil based calix[4]arenes (**4**) possess anti- configuration (¹H nmr and energy minimization studies), where the substituent (R₁) on aryl ring between N₁- positions of uracils faces the π-cloud of the ring between N₃- positions.



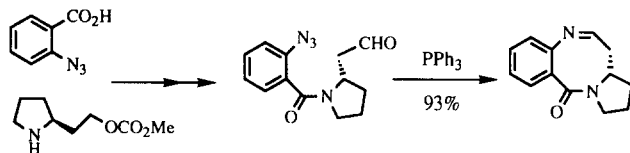
THE SYNTHESIS OF A NOVEL BENZODIAZOCINE VIA AN INTRA-MOLECULAR STAUDINGER/AZA-WITTIG CYCLIZATION

Tetrahedron Letters, 1997, 38, 3609

Ian A. O'Neil^a, Clare L. Murray^a, Andrew J. Potter^a and S. Barret Kalindjian^b

^aChemistry Department, University of Liverpool, Liverpool L69 3BX U.K.

^bJames Black Foundation, 68 Half Moon Lane, Dulwich, London SE24 9JE U.K.



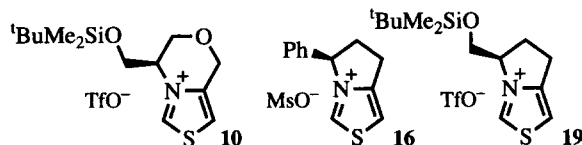
SYNTHESIS OF AND ASYMMETRIC INDUCTION BY CHIRAL BICYCLIC THIAZOLIUM SALTS

Tetrahedron Letters, 1997, 38, 3611

Roland K. Knight and Finian J. Leeper*

University Chemical Laboratory, Lensfield Road, Cambridge CB2 1EW, UK.

Fax: 01223 336362. E-mail: fjl1@cus.cam.ac.uk



Thiazolium salts **10**, **16** and **19**, have been synthesised in enantiomerically pure form. All three catalysed the formation of (*R*)-benzoin and (*R*)-butyoin with e.e.'s in the range 10–33%

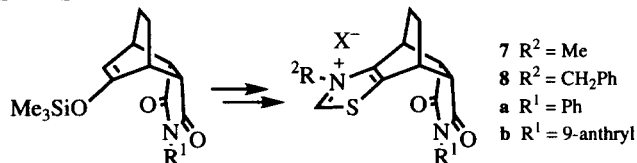
SYNTHESIS OF AND ASYMMETRIC INDUCTION BY CHIRAL POLYCYCLIC THIAZOLIUM SALTS

Tetrahedron Letters, 1997, 38, 3615

A. Ulrich Gerhard and Finian J. Leeper*

University Chemical Laboratory, Lensfield Road, Cambridge CB2 1EW, UK.

Fax: 01223 336362. E-mail: fjl1@cus.cam.ac.uk

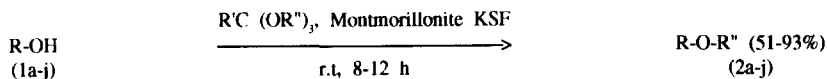


Thiazolium salts **7a** and **b** and **8a** and **b** have been synthesised in enantiomerically pure form. All four catalysed the formation of benzoin with e.e.'s up to 26%. This shows that simply blocking one face of the thiazolium ring is not sufficient to give high e.e.'s

CLAY CATALYZED HIGHLY SELECTIVE O-ALKYLATION OF PRIMARY ALCOHOLS WITH ORTHOESTERS

Tetrahedron Letters, 1997, 38, 3619

H.M. Sampath Kumar*, B.V. Subba Reddy, Pradyumna K. Mohanty and J.S. Yadav
Indian Institute of Chemical Technology, Hyderabad - 500 007, India

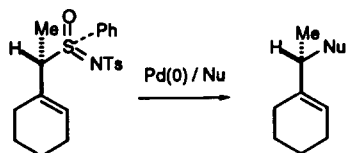


R = allylic, benzylic, R' = H, CH₃, R'' = CH₃, C₂H₅, n-C₃H₇

Palladium(0) Catalysed Allylation Reactions with Racemic and Enantiomerically Pure Allylic Sulfoximines.

Tetrahedron Letters, 1997, 38, 3623

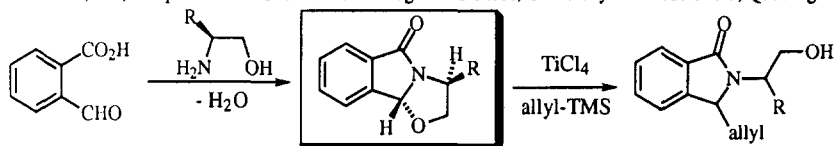
Stephen G. Pyne*, Gareth O'Meara and Dorothy M. David
Department of Chemistry, University of Wollongong, Wollongong, NSW, 2522, Australia.



A HIGHLY DIASTEREOSELECTIVE SYNTHESIS OF TRICYCLIC LACTAMS AND THEIR APPLICATION AS NOVEL N-ACYL IMINIUM ION PRECURSORS IN THE SYNTHESIS OF ISOINDOLINONE DERIVATIVES

Tetrahedron Letters, 1997, 38, 3627

Steven M. Allin,^{*a} Christopher J. Northfield,^b Michael I. Page^{*b} and Alexandra M.Z. Slawin,^a ^aDepartment of Chemistry, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK; ^bDepartment of Chemical & Biological Sciences, University of Huddersfield, Queensgate, Huddersfield HD1 3DH, UK.

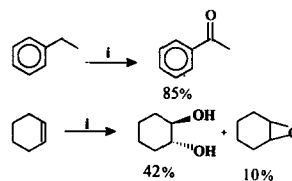


Cr-MCM-41-CATALYZED SELECTIVE OXIDATION OF ALKYLARENES WITH TBHP

Tetrahedron Letters, 1997, 38, 3631

T. K. Das, K. Chaudhari, E. Nandan, A.J. Chandwadkar, A. Sudalai, T. Ravindranathan and S. Sivasanker.

National Chemical Laboratory, Pune, India.



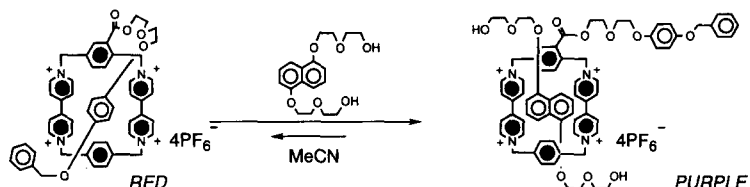
i Cr-MCM-41, TBHP, MeOH, 2h

**A SELF-COMPLEXING MACROCYCLE ACTING AS
A CHROMOPHORIC RECEPTOR**

Peter R. Ashton, Marcos Gómez-López, Sayeedha Iqbal, Jon A. Preece, and J. Fraser Stoddart;
School of Chemistry, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK.

Tetrahedron Letters, 1997, 38, 3635

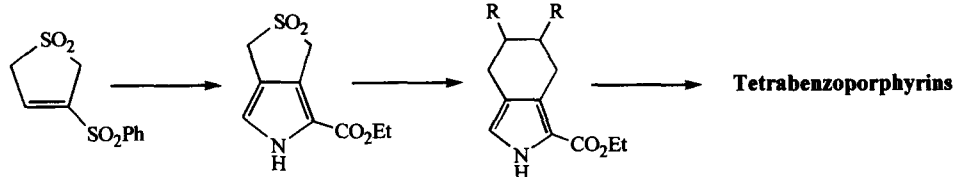
A 1,5-dioxynaphthalene derivative is able to displace the hydroquinone ring from the cavity of a self-complexing macrocycle resulting in a change in the colour of the solution.



**SYNTHESIS AND CYCLOADDITION REACTIONS OF PYRROLE-FUSED
3-SULFOLENES: A NEW VERSATILE ROUTE TO TETRABENZOPORPHYRINS**

Maria G. H. Vicente, Augusto C. Tomé, Andreas Walter and José A. S. Cavaleiro*
Department of Chemistry, University of Aveiro, 3810 Aveiro, Portugal

Tetrahedron Letters, 1997, 38, 3639

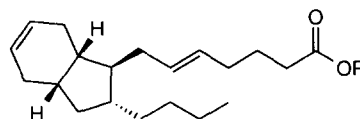


**MUCOSIN: A NEW BICYCLIC EICOSANOID FROM THE
MEDITERRANEAN SPONGE *RENIERA MUCOSA***

Agostino Casapullo¹, Gennaro Scognamiglio and Guido Cimino
Istituto per la Chimica di Molecole di Interesse Biologico del CNR, via Toiano 6, 80072 Arco Felice, Napoli, Italy

Tetrahedron Letters, 1997, 38, 3643

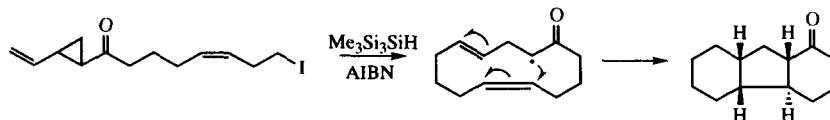
A new C-20 carboxylic acid, mucosin, has been isolated from the Mediterranean marine sponge *Reniera mucosa*, and the structure is suggested on the basis of extensive spectroscopic studies.



**CASCADE RADICAL CYCLISATIONS WITH
VINYL-CYCLOPROPANE ELECTROPHILES**

Gerald Pattenden and Paul Wiedenau, Department of Chemistry, Nottingham University, Nottingham NG7 2RD
Treatment of alkyl iodides containing vinylcyclopropane electrophores with $(\text{Me}_3\text{Si})_3\text{SiH}$ -AIBN leads to polycyclics via cascade macrocyclisation-transannulation reactions.

Tetrahedron Letters, 1997, 38, 3647



AN APPROACH TO ENANTIOMERICALLY PURE INVERSE γ -TURN MIMETICS FOR USE IN SOLID-PHASE SYNTHESIS.

Kay Brickmann, Peter Somfai*, and Jan Kihlberg*, Organic Chemistry 2, Lund University, P.O. Box 124, S-221 00 Lund, Sweden.

An inverse γ -turn mimetic **1**, having a morpholine-3-one ring as the key structural unit, was prepared in enantiomerically pure form starting from oxirane **3** (37% over 7 steps).

