

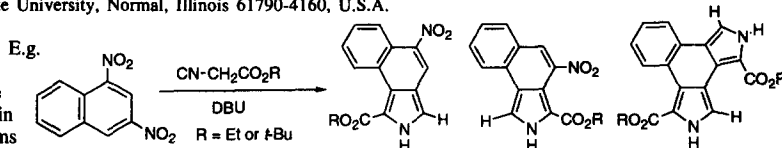
GRAPHICAL ABSTRACTS

Tetrahedron Letters, 1997, 38, 2031

Synthesis of Novel Porphyrin Chromophores from Nitroarenes: Further Applications of the Barton-Zard Pyrrole Condensation.

Timothy D. Lash,* Chaminda Wijesinghe, Augustine T. Osuma and Jyoti R. Patel
Department of Chemistry, Illinois State University, Normal, Illinois 61790-4160, U.S.A.

Dinitronaphthalenes and related nitroaromatic compounds condense with isocyanoacetates in the presence of DBU to give *c*-annulated pyrroles in good yields. These polycyclic systems are valuable precursors to conjugated porphyrin systems.



A NOVEL REACTION OF N-PHENYLTHIOPHOSPHONIC ACID DERIVATIVES:

Tetrahedron Letters, 1997, 38, 2035

THE α -SULFENYLATION OF KETONES UNDER MILD CONDITIONS. Gabriela Foray, Alicia B. Peñéflory* and Roberto A. Rossi*. Depto. Química Orgánica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, A.P. 4, C.C.61, 5000 Córdoba, ARGENTINA.



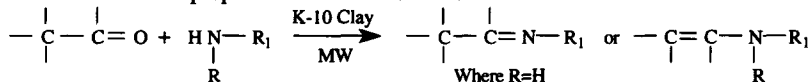
1 = Aliphatic, aromatic and cyclic ketones

Tetrahedron Letters, 1997, 38, 2039

CLAY CATALYZED SYNTHESIS OF IMINES AND ENAMINES UNDER SOLVENT-FREE CONDITIONS USING MICROWAVE IRRADIATION

Rajender S. Varma,*^{1,2} Rajender Dahiya¹ and Sudhir Kumar²
¹ Department of Chemistry and Texas Regional Institute for Environmental Studies (TRIES), Sam Houston State University, Huntsville, Texas 77341-2117, and
²Houston Advanced Research Center (HARC), 4800 Research Forest Drive, The Woodlands, Texas 77381, U.S.A.

The montmorillonite K 10 clay catalyzed reactions of primary and secondary amines with aldehydes and ketones, respectively, are expedited by microwave irradiation under solvent-free conditions to afford a facile preparation of imines and enamines.

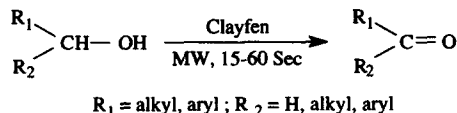


Tetrahedron Letters, 1997, 38, 2043

MICROWAVE-ASSISTED OXIDATION OF ALCOHOLS UNDER SOLVENT-FREE CONDITIONS USING CLAYFEN

Rajender S. Varma* and Rajender Dahiya
Department of Chemistry and Texas Institute for Environmental Studies (TRIES), Sam Houston State University, Huntsville, Texas 77341-2117, U.S.A.

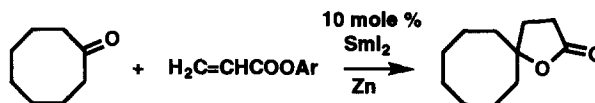
Admixed with clay-supported iron(III) nitrate, alcohols are readily oxidized to the corresponding carbonyl compounds upon exposure to microwaves under solvent-free 'dry' conditions.



Tetrahedron Letters, 1997, 38, 2045

Catalytic Reactions of Samarium(II) Iodide

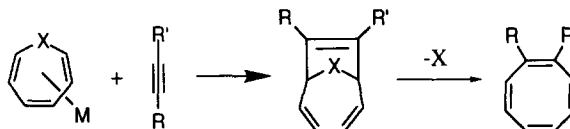
E. J. Corey* and Guo Zhu Zheng
Department of Chemistry and Chemical Biology
Harvard University
Cambridge Massachusetts 02138



A CONVENIENT SYNTHESIS OF 1,2-DISUBSTITUTED CYCLOOCTATETRAENES

James H. Rigby* and Namal C. Warshakoon
Department of Chemistry, Wayne State University,
Detroit MI 48202-3489 USA

Substituted cyclooctatetraenes can be prepared in two steps employing a Cr-(O)-promoted $[6\pi+2\pi]$ thiepin dioxide-alkyne cycloaddition followed by photo-activated sulfur dioxide extrusion.



Tetrahedron Letters, 1997, 38, 2049

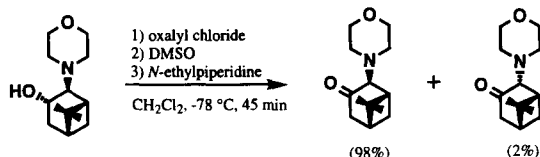
The Effect of Different Amine Bases in the Swern Oxidation of β -Amino Alcohols

William Chrisman and Bakthan Singaram*

Department of Chemistry

Thimann Laboratories of the University of California, Santa Cruz, California 95064

The effect of using amine bases of varied steric requirement in the Swern oxidation of tertiary β -amino alcohols was studied, and yields were optimized by the use of *N*-methylpyrrolidine, *N*-ethylpiperidine, or triethylamine, depending on the β -amino alcohol substrate.



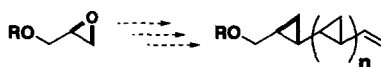
Tetrahedron Letters, 1997, 38, 2053

A Novel Approach to Oligocyclopropane Structural Units.

Richard E. Taylor,* Michael K. Ameriks, and Matthew J. LaMarche

Department of Chemistry and Biochemistry, University of Notre Dame
Notre Dame, IN 46556

A fundamentally novel approach to the synthesis of oligocyclopropane structural units based on the iterative formation and trapping of homo-allyl cationic intermediates has been accomplished. This new methodology provides practical access to the diastereomically related *trans-syn-trans* and *trans-anti-trans* bis-cyclopropanes and higher homologues.



Tetrahedron Letters, 1997, 38, 2057

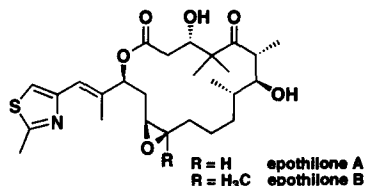
Tetrahedron Letters, 1997, 38, 2061

**Towards the Synthesis of Epothilone A.
Enantioselective Preparation of the Thiazole Sidechain and Macrocyclic Ring Closure.**

Richard E. Taylor* and Jeffrey D. Haley

Department of Chemistry and Biochemistry, University of Notre Dame
Notre Dame, IN 46556

A synthetic approach to a new class of microtubule-stabilizing natural products is described which employs a macrocyclic olefination strategy to cyclize the 16-membered lactone ring. The C13-C19 thiazole subunit of epothilone A and B is prepared in high enantioselectivity using a catalytic asymmetric allylation reaction.



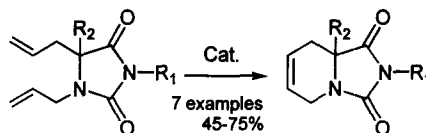
Tetrahedron Letters, 1997, 38, 2065

**Ring-Closing Olefin Metathesis for the Synthesis of
1,8-Diazabicyclo[4.3.0]non-3-ene-7,9-diones**

Alexey B. Dyatkin

Boehringer Ingelheim Pharmaceuticals Inc., 900 Ridgebury
Road, P.O. Box 368, Ridgefield, CT 06877 USA

Convenient and efficient synthesis of 1,8-Diazabicyclo
[4.3.0]non-3-ene-7,9-diones by RCM reaction from easily
available starting materials.



Cat. = Bis(tricyclohexylphosphine)benzidine
ruthenium dichloride

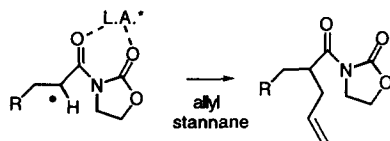
Tetrahedron Letters, 1997, 38, 2067

**Substrate Steric Effects in Enantioselective Lewis Acid Promoted
Free Radical Reactions**

Jason Hongliu Wu, Guiru Zhang and Ned A. Porter*

Department of Chemistry, Duke University, Durham, NC 27708, USA

Generation of free radicals complexed to chiral Lewis acids by two routes and reaction of the complex with allylstannane indicates that steric effects of the radical substrate are important in determining enantioselectivity.

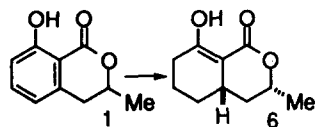


Tetrahedron Letters, 1997, 38, 2071

**BIRCH REDUCTION OF 3,4-DIHYDRO-8-HYDROXY-3-METHYLISO-
COUMARIN (MELLEIN). EXPEDITIOUS SYNTHESIS OF (±)-RAMULOSIN**

AND A SPRUCE BUDWORM TOXIN. Arthur G. Schultz* and Yu-Jang Li.
Department of Chemistry, Rensselaer Polytechnic Institute, Troy, NY 12180-3590

A three-step conversion of (±)-mellein (1) to (±)-ramulosin (6) in 41% yield is described.

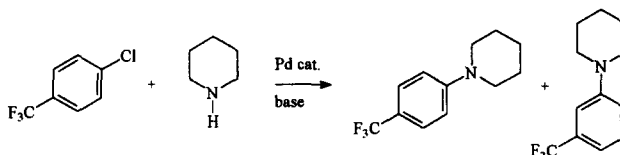


First Palladium-Catalyzed Aminations of Aryl Chlorides

Tetrahedron Letters, 1997, 38, 2073

Matthias Beller*, Thomas H. Riermeier, Claus-Peter Reisinger and Wolfgang A. Herrmann
Anorganisch-chemisches Institut der TU München, 85747 Garching, Germany

Efficient aminations of aryl chlorides with secondary amines in the presence of a palladacycle catalyst have been developed.



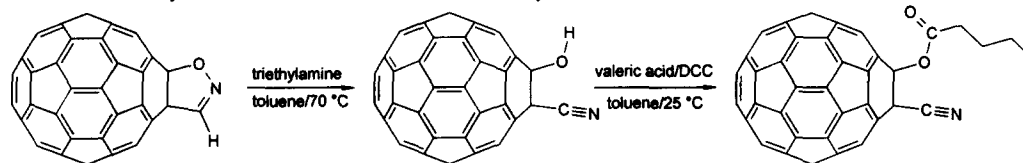
Ring Opening of the Heterocycle in [60]Fullereno[1,2-d]isoxazole

Tetrahedron Letters, 1997, 38, 2075

Hermann Irrngartinger* and Anton Weber

Organisch-Chemisches Institut der Universität, Im Neuenheimer Feld 270, D-69120 Heidelberg, Germany.

The isomerically pure fullerol 1-cyano-2-hydroxy-dihydro[60]fullerene was synthesized by N-O bond cleavage of a fullerene-fused isoxazoline. A fulleryl ester of this alcohol could be obtained easily with valeric acid.



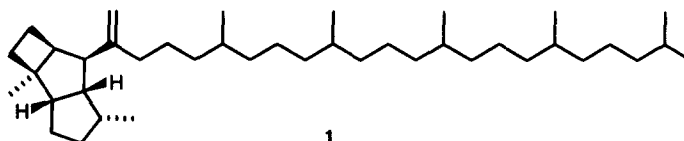
PODURAN, AN UNUSUAL TETRATERPENE FROM THE SPRINGTAIL

Tetrahedron Letters, 1997, 38, 2077

PODURA AQUATICA. Stefan Schulz*, Universität Hamburg, Institut für Organische Chemie, Martin-Luther-King-Platz 6, D-20146 Hamburg, Germany

Christoph Messer, Konrad Dettner, Universität Bayreuth, Institut für Tierökologie II, D-95440 Bayreuth, Germany

The new hydrocarbon tetraterpene poduran (1) was isolated from the springtail *Podura aquatica*. It possesses a rare tricyclic head region and a tail of five isoprene units.



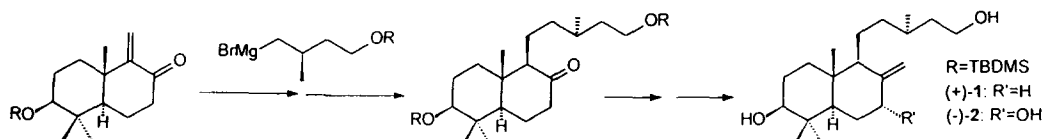
Enantioselective Total Synthesis of (+)-Labd-8(17)-ene-3 β ,15-diol and (-)-Labd-8(17)-ene-3 β ,7 α ,15-triol

Tetrahedron Letters, 1997, 38, 2081

Alexander Pemp and Karlheinz Seifert

Lehrstuhl für Organische Chemie I/2, NW II, Universität Bayreuth, D-95440 Bayreuth, Germany

The connection of the bicyclic skeleton and the side chain unit leads to the labdane diterpenes (+)-1 and (-)-2.

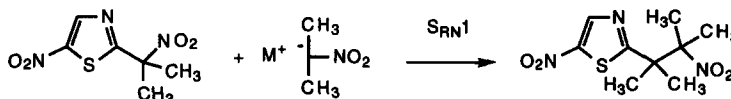


SYNTHESIS OF A CUMYL ANALOGUE IN NITROTHIAZOLE SERIES AND $S_{RN}1$ REACTION AT TERTIARY CARBON

Tetrahedron Letters, 1997, 38, 2085

Armand GELLIS, Patrice VANELLE*, José MALDONADO and Michel P. CROZET
Laboratoire de Chimie Organique, Faculté de Pharmacie, 27 Bd Jean Moulin, 13385 Marseille Cedex 05, France

A new alkylating agent, 2-(1-methyl-1-nitroethyl)-5-nitrothiazole, bearing a tertiary nitro nucleofuge, reacts with 2-nitropropane anion by $S_{RN}1$ mechanism leading to the C-alkylation product.

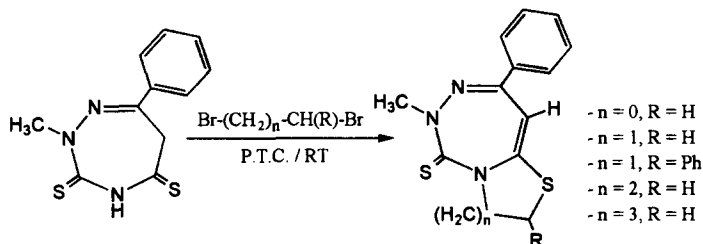


REGIOSELECTIVE SYNTHESIS OF NEW BIHETEROCYCLIC TRIAZEPINES

Tetrahedron Letters, 1997, 38, 2087

My. Y. AIT ITTO¹, A. HASNAOUI^{1*}, A. RIAHI² and J.-P. LAVERGNE³

¹Laboratoire des Substances Naturelles et des Hétérocycles associé au CNCRST, Département de Chimie, Faculté des Sciences-Semlalia, BP S15 Marrakech, Maroc; ²Laboratoire de Photochimie, associé au CNRS BP. 1089 F-51687 Reims Cedex 2, France; ³Laboratoire des Aminoacides et Peptides, associé au CNRS, Université Sciences et Techniques Montpellier II, France.

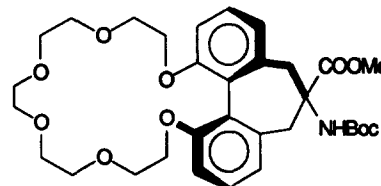


A one step regioselective synthesis of new series of biheterocyclic triazepines is reported

N-4-BOC 6-AMINO-1,11-(20-CROWN-6)-6,7-DIHYDRO-5H-DIBENZO[a,c]CYCLOHEPTENE-6-CARBOXYLIC ACID METHYL ESTER, THE FIRST PROTOTYPE OF A CROWN-CARRIER-AXIALLY DISSYMMETRIC- α,α -DISUBSTITUTED GLYCINE. Jean-Paul Mazaleyrat*, Anne Gaucher, Yolaine Goubard, Jaroslav Šavrdá and Michel Wakselman, SIRCOB, Bât. Lavoisier, Université de Versailles, 45 Avenue des Etats-Unis, 78000 Versailles, France.

Tetrahedron Letters, 1997, 38, 2091

The title compound: Boc-[20-C-6]-Bip-OMe, has been synthesized at the racemic state by phase transfer bis-alkylation of a glycine *tert*-butyl ester Schiff base with 2,2'-bis-(bromomethyl)-6,6'-dimethoxy-1,1'-diphenyl, followed by demethylation, esterification, N-protection and cyclisation with crown formation.



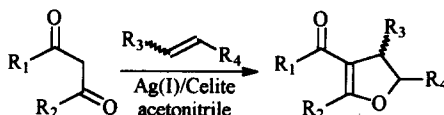
A FACILE SYNTHESIS OF DIHYDROFURANS UTILIZING SILVER(I)/CELITE PROMOTED OXIDATIVE CYCLOADDITION OF 1,3-DICARBONYL COMPOUNDS TO ALKENES

Tetrahedron Letters, 1997, 38, 2095

Yong Rok Lee* and Byung So Kim

Department of Industrial Chemistry, College of Engineering, Yeungnam University, Kyongsan 712-749, Korea

An efficient synthesis of dihydrofurans has been carried out starting from 1,3-dicarbonyl compounds.

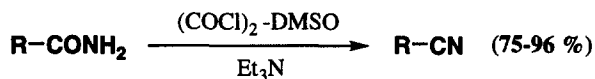


Tetrahedron Letters, 1997, 38, 2099

**Preparation of Nitriles from Primary Amides
under Swern Oxidation Conditions**

Noriyuki Nakajima* and Makoto Ubukata*

Biotechnology Research Center, Toyama Prefectural University, Kosugi, Toyama 939-03, Japan



The reaction was completed within 15 min. at -78°C and desired products were obtained in high yields.

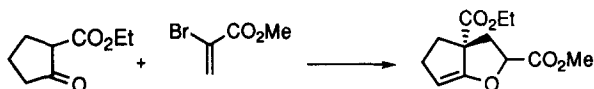
Tetrahedron Letters, 1997, 38, 2103

Tandem Nucleophilic Reaction of 1,3-Dicarbonyl Compounds to Methyl α -Bromoacrylate:

[3+2]Heteroannulation Leading to Hydrofuran Derivatives

Hisahiro Hagiwara,** Kouji Sato,^a Toshio Suzuki^a and Masayoshi Ando^b

^aGraduate School of Science and Technology, and ^bFaculty of Engineering, Niigata University, 2 no-cho, Niigata 950-21, Japan



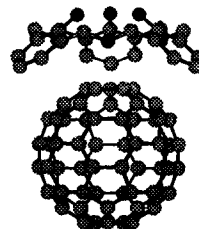
Tetrahedron Letters, 1997, 38, 2107

**SOLUTION COMPLEXES FORMED FROM C₆₀ AND
CALIXARENES. ON THE IMPORTANCE OF THE
PREORGANIZED STRUCTURE FOR COOPERATIVE
INTERACTIONS.**

Atsushi Ikeda, Makoto Yoshimura, and Seiji Shinkai*

Department of Chemical Science & Technology, Faculty of Engineering, Kyushu University, Fukuoka 812, Japan

In order to find calix[n]arenes which can interact with C₆₀ in solution we have screened 28 different calix[n]arenes by spectroscopic methods. We eventually discovered such three calix[n]arenes (1₅-Bu^t-H, 2₆-Bu^t-Bu^t-H-H, 3₃-Bu^t-H). They commonly possess a cone conformation and a benzene ring inclination suitable to C₆₀ inclusion.

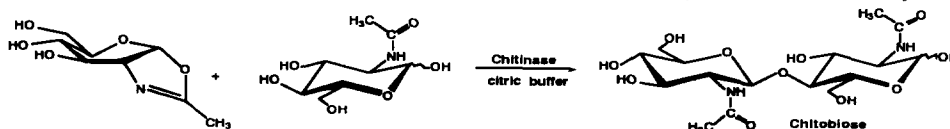


Tetrahedron Letters, 1997, 38, 2111

**A NOVEL METHOD FOR SYNTHESIS OF CHITOBIOSE VIA
ENZYMATIC GLYCOSYLATION USING A SUGAR OXAZOLINE
AS GLYCOSYL DONOR**

Shiro Kobayashi*, Toshitsugu Kiyosada and Shin-ichiro Shoda

Department of Materials Chemistry, Graduate School of Engineering, Tohoku University, Aoba, Sendai 980-77, Japan



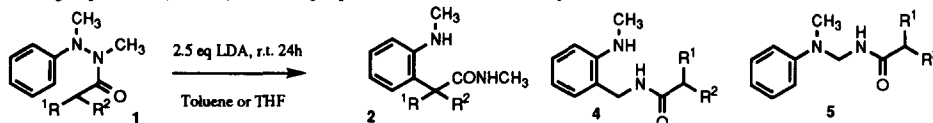
An enzymatic synthesis of N,N'-diacetylchitobiose was achieved by using a sugar oxazoline as novel glycosyl donor.

Tetrahedron Letters, 1997, 38, 2113

ANIONIC [3,3], [2,3] AND [1,2] REARRANGEMENTS OF ALIPHATIC AND AROMATIC ACYL HYDRAZINES WITH N-N BOND CLEAVAGE. Yasuyuki Endo,* Takuya Uchida and Koichi Shudo,

Faculty of Pharmaceutical Sciences, University of Tokyo, 7-3-1, Hongo, Bunkyo-ku, Tokyo 113, Japan

Anionic [3,3] rearrangements of aromatic hydrazine acylate afforded *o*-aminophenylacetamide 2. The [2,3] and [1,2] rearranged products (4 and 5) were major products in the case of bulky substituent on the reaction sites.



Tetrahedron Letters, 1997, 38, 2117

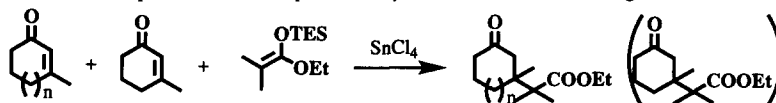
MUKAIYAMA-MICHAEL REACTION OF CYCLIC KETENE SILYL ACETALS AND ENONES. IMPORTANCE OF RING FLEXIBILITY IN ELECTRON TRANSFER PROCESS

Yukihiro Fujita,^a Shunichi Fukuzumi,^{b*} and Junzo Otera^{a*}

^aDepartment of Applied Chemistry, Okayama University of Science, Ridai-cho, Okayama 700, Japan

^bDepartment of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565, Japan

Macrocyclic reaction components react more preferentially than the 6-membered analogs under electron transfer conditions.



Tetrahedron Letters, 1997, 38, 2121

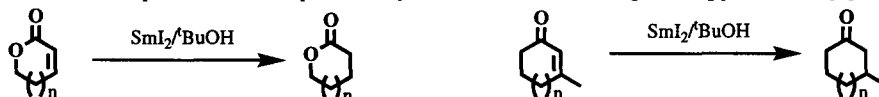
SmI₂-PROMOTED CONJUGATE REDUCTION OF α,β -UNSATURATED ESTERS AND KETONES STUDIED IN COMPARISON WITH MUKAIYAMA-MICHAEL REACTION OF KETENE SILYL ACETAL

Yukihiro Fujita,^a Shunichi Fukuzumi,^{b*} and Junzo Otera^{a*}

^aDepartment of Applied Chemistry, Okayama University of Science, Ridai-cho, Okayama 700, Japan

^bDepartment of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565, Japan

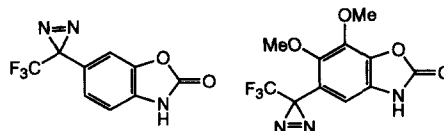
Macrocyclic reaction components react more preferentially than the 6-membered analogs in SmI₂-promoted conjugate reduction.



Tetrahedron Letters, 1997, 38, 2125

DESIGN OF PHOTOAFFINITY REAGENTS FOR LABELING THE AUXIN RECEPTOR IN MAIZE

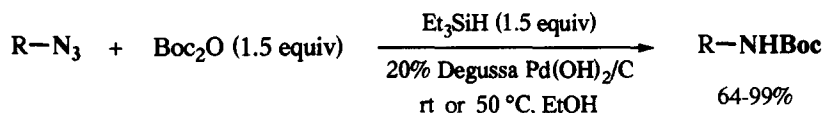
Seiji Kosemura,* Hideyuki Emori, Shosuke Yamamura,*
Department of Chemistry, Faculty of Science and Technology, Keio University,
Hiyoshi, Yokohama 223, Japan
Toyoaki Anai, Kaori Tomita, and Koji Hasegawa
Institute of Applied Biochemistry, University of Tsukuba,
Tennodai 1-1-1, Tsukuba 305, Japan



A NEW FACILE METHOD FOR THE CHEMOSELECTIVE REDUCTIVE TRANSFORMATION OF AZIDES TO *N*-(*tert*-BUTOXYCARBONYL)AMINES

Tetrahedron Letters, 1997, 38, 2129

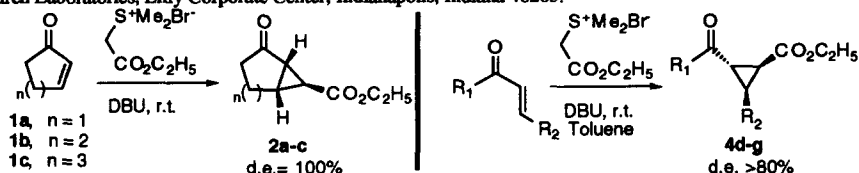
Hiyoshizo Kotsuki,* Takeshi Ohishi, and Tomohiro Araki
Department of Chemistry, Faculty of Science, Kochi University, Akebono-cho, Kochi 780, Japan



STEREOSELECTIVE CYCLOPROPANATION OF ENONES WITH ETHYL DIMETHYLSULFONIUM ACETATE BROMIDE IN THE PRESENCE OF DBU

Tetrahedron Letters, 1997, 38, 2133

I. Collado,^a C. Domínguez,^a J. Ezquerro,^a C. Pedregal^{*a} and J. A. Monn^{*b}
a. Centro de Investigación Lilly, S. A. Paraje de la Cruz s/n. 28130 Valdeolmos, Madrid, Spain.
b. Lilly Research Laboratories, Lilly Corporate Center, Indianapolis, Indiana 46285.

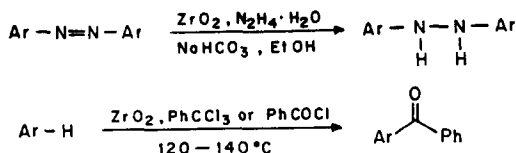


REGIOSPECIFIC ACYLATIONS OF AROMATICS AND SELECTIVE REDUCTIONS OF AZOBENZENES OVER HYDRATED ZIRCONIA

Tetrahedron Letters, 1997, 38, 2137

M.L. Patil, G.K. Jnaneshwara, D.P. Sabde, M.K. Dongare, A. Sudalai and V.H. Deshpande

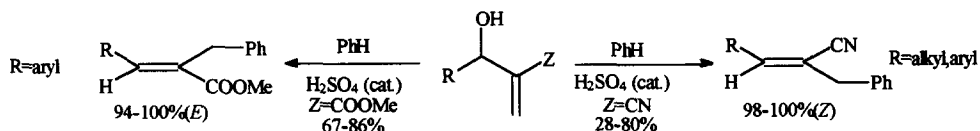
National Chemical Laboratory,
Pune - 411 008, INDIA.



THE FRIEDEL-CRAFTS REACTION OF THE BAYLIS-HILLMAN ADDUCTS. Deevi Basavaiah*, Marimanganti Krishnamacharyulu,

Rachakonda Suguna Hyma and Subramanian Pandiaraju, School of Chemistry, University of Hyderabad, Hyderabad-500 046, India

Simple stereoselective synthesis of [2*Z*]-2-benzylalk-2-enitriles and [2*E*]-2-benzylalk-2-enoates via the conc. H₂SO₄ catalyzed Friedel-Crafts reaction of the Baylis-Hillman adducts with benzene.



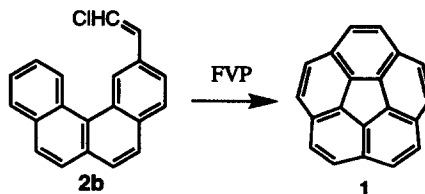
Tetrahedron Letters, 1997, 38, 2141

A NEW SYNTHESIS OF CORANNULENE

Tetrahedron Letters, 1997, 38, 2145

G. Mehta and G. Panda, School of Chemistry
University of Hyderabad, Hyderabad 500 046, India

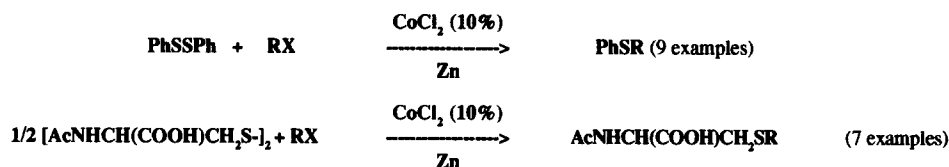
Flash vacuum pyrolysis (FVP) of **2b** leads to the formation of corannulene **1**



COBALT ASSISTED CLEAVAGE OF S-S BONDS AND A BASE-FREE SYNTHESIS OF MERCAPTURIC ACIDS

Tetrahedron Letters, 1997, 38, 2149

Shantanu Chowdhury and Sujit Roy*, Metallo-Organic Laboratory, I & PC Division, Indian Institute of Chemical Technology, Hyderabad 500 007, India

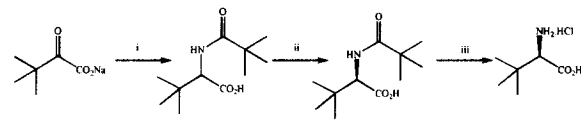


A NOVEL SYNTHESIS OF *TERT*-LEUCINE VIA A LEUCKART TYPE REACTION

Brian M. Adger, Ulrich C. Dyer, Ian C. Lennon, Peter D. Tiffin* and Simon E. Ward.
Chiroscience Ltd., Cambridge Science Park, Milton Road, Cambridge, CB4 4WE, UK.

An efficient synthesis of racemic *tert*-leucine from trimethylpyruvic acid using a Leuckart type reaction is described.

A facile resolution of an intermediate with α -MBA allows entry into either (*R*)- or (*S*)-*tert*-leucine.

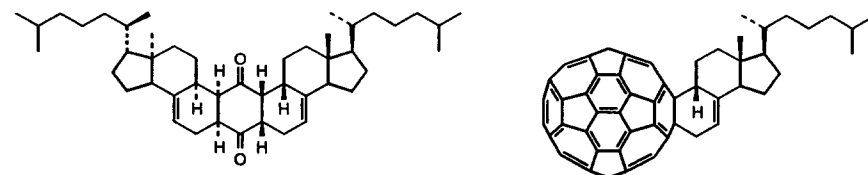


i) HCO₂H/HCO₂NH₄/110°C; ii) (S)- α -MBA; 2N HCl; iii) 6N HCl/Reflux

SYNTHESIS OF UNUSUAL CHOLESTANE ANALOGS BY DIELS-ALDER REACTION (A+CD \rightarrow ABCD)

Tetrahedron Letters, 1997, 38, 2155

Francesco De Riccardis*, Irene Izzo, Consiglia Tedesco and Guido Sodano*
Dipartimento di Chimica, Università di Salerno, 84081 Baronissi, (SA) - Italy

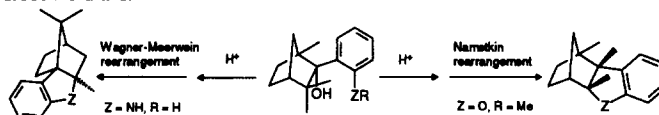


TANDEM WAGNER-MEERWEIN REARRANGEMENT-CARBOCATION TRAPPING IN THE FORMATION OF CHIRAL HETEROCYCLIC RING SYSTEMS

Tetrahedron Letters, 1997, 38, 2159

Scott M. Starling, Simone C. Vonwiller,* The School of Chemistry, The University of Sydney, NSW, 2006, Australia

Ortho substituted aryl fenchyl alcohol derivatives undergo cationic rearrangement under acidic conditions to give chiral dihydroindoles and dihydrobenzofurans.

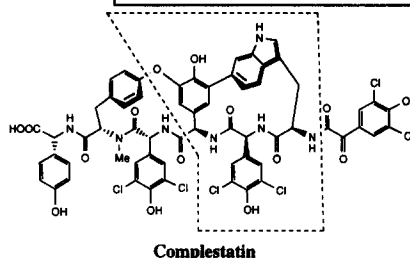


SYNTHESIS OF C-C BIARYL SEGMENT OF COMPLESTATIN AND CHLOROPEPTIN : APPROACH TO THE RIGHT HAND CEF-RING SYSTEM OF COMPLESTATIN

Tetrahedron Letters, 1997, 38, 2163

M. K. Gurjar* and N. K. Tripathy

Indian Institute of Chemical Technology, Hyderabad - 500 007, India

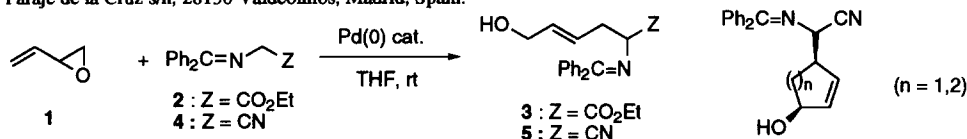


SYNTHESIS γ,δ -UNSATURATED 6-HYDROXY SUBSTITUTED α -AMINO ACIDS BY PALLADIUM-CATALYZED ALKYLATION OF MONO EPOXYDIENES

Tetrahedron Letters, 1997, 38, 2167

A. Mazón^a, C. Nájera^a, J. Ezquerro^b, and C. Pedregal^b

^a Departamento de Química Orgánica, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain. ^b Centro de Investigación Lilly S. A., Paraje de la Cruz s/n, 28130 Valdeolmos, Madrid, Spain.

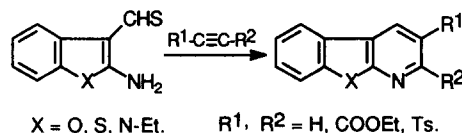


REACTION OF HETEROAROMATIC *o*-AMINOTHIOALDEHYDES WITH ALKYNES: A NOVEL ENTRY TO *b*-FUSED PYRIDINES.

Tetrahedron Letters, 1997, 38, 2171

Alessandro Degl'Innocenti,*^a Maria Funicello,^b Patrizia Scafato,^b Piero Spagnolo*^c ^a Dipartimento di Chimica Organica, via G. Capponi, 9, Firenze, ^b Dipartimento di Chimica, via N. Sauro 85, Potenza, ^c Dipartimento di Chimica Organica, v.le Risorgimento 4, Bologna, Italy.

Heterocyclic *o*-aminothioaldehydes smoothly react with mono- and disubstituted electron deficient alkynes to give *b*-fused pyridines.

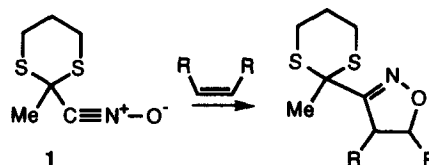


EXPLOITING THE 1,3-DITHIANE OF 2-OXOPROPANENITRILE OXIDE TO LIMIT COMPETING DIMERIZATION IN 1,3-DIPOLAR CYCLOADDITION REACTIONS

Tetrahedron Letters, 1997, 38, 2175

Stuart J. Barrow and Christopher J. Easton,* Research School of Chemistry, Australian National University, Canberra, ACT 0200, Australia
G. Paul Savage and Gregory W. Simpson, CSIRO Division of Chemicals and Polymers, Private Bag 10, Rosebank MDC, Clayton, VIC 3169, Australia

The 1,3-dithiane moiety reduces the rate of dimerization of the nitrile oxide 1, thereby acting as a steric auxiliary to promote the competing cycloaddition reactions.

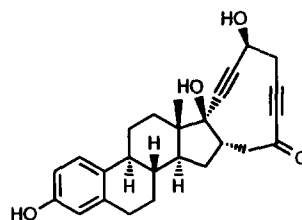


Estramcins: A Novel Cyclic Diyl Precursor Derived from Estradiol.

Tetrahedron Letters, 1997, 38, 2179

Christel Meert, Jing Wang, Pierre J. De Clercq*
University of Gent, Department of Organic Chemistry,
Krijgslaan 281 (S4), B-9000 Gent (Belgium).

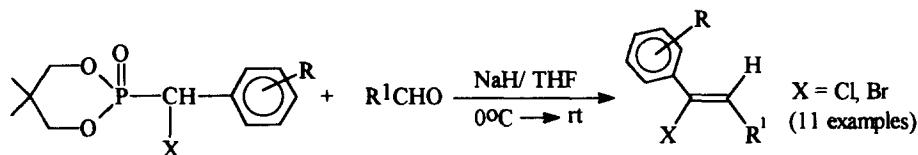
The shown estradiol derivative obtained via a stereocontrolled sequence from estrone was found to cycloaromatize via the Bergman process upon treatment with mesylchloride/triethylamine ($t_{1/2}$ = 20 min).



A CONVENIENT ROUTE TO ARYL SUBSTITUTED CHLORO AND BROMO OLEFINS

Tetrahedron Letters, 1997, 38, 2183

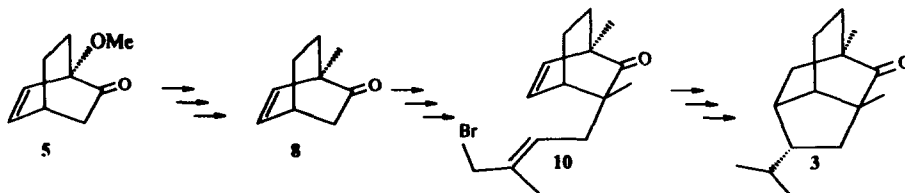
Sudha Kumaraswamy and K. C. Kumara Swamy*
School of Chemistry, University of Hyderabad, Hyderabad-500 046, India



A NEW TOTAL SYNTHESIS OF 2-PUPUKEANONE

Tetrahedron Letters, 1997, 38, 2185

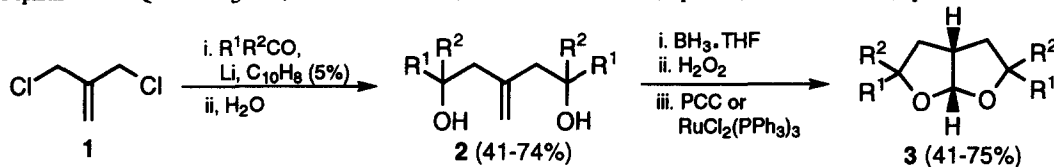
K. Kaliappan and G.S.R. Subba Rao*
Department of Organic Chemistry, Indian Institute of Science, Bangalore-560 012, INDIA.



**SUBSTITUTED 1,7-DIOXABICYCLO[3.3.0]OCTANES:
NEW EASY ACCESS TO THE PERHYDROFUROFURAN CORE OF AFLATOXINS AND ANALOGUES**

F. Alonso, E. Lorenzo and M. Yus*

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080-Alicante, Spain



**NOVEL CERIUM(IV) AMMONIUM NITRATE INDUCED
DIMERIZATION OF METHOXYSTYRENES**

Vijay Nair^a, Jessy Mathew^a, Puthuparampil P. Kanakamma^a,
Sreeletha B. Panicker^a, V. Sheeba^a, S. Zeena^a and Guenter K. Eigendorf^b

^a Organic Chemistry Division, Regional Research laboratory (CSIR)
Trivandrum-19, India

^b Department of Chemistry, University of British Columbia
Vancouver, Canada, V6 T 1Z1

The cerium(IV) ammonium nitrate mediated dimerization of methoxystyrenes
in methanol and their cyclization in acetonitrile is described.

