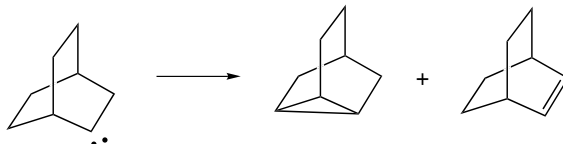


Bicyclo[2.2.2]octylidene*Tetrahedron Letters 42 (2001) 6979*Qing Ye,^a Maitland Jones, Jr.,^{a,*} Ting Chen^b and Philip B. Shevlin^b^a*Department of Chemistry, Princeton University, Princeton, NJ 08544, USA*^b*Department of Chemistry, Auburn University, Auburn, AL 36849, USA*

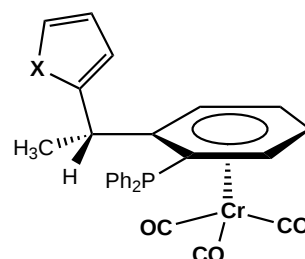
Bicyclo[2.2.2]octylidene is formed in four quite different ways. Reactions of the nitrogenous precursors do not complicate the chemistry of the carbene. The products are tricyclo[2.2.2.0^{2,6}]octane and bicyclo[2.2.2]octene formed in approximately a 70:30 ratio.

**Bidentate planar chiral η^6 -arene tricarbonyl chromium(0) complexes: ligands for catalytic asymmetric alkene hydrosilylation***Tetrahedron Letters 42 (2001) 6983*

Immo Weber and Graham B. Jones*

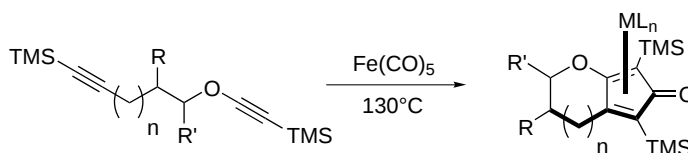
Bioorganic and Medicinal Chemistry Laboratories, Department of Chemistry, Northeastern University, Boston, MA 02115, USA

A novel family of planar chiral η^6 -arene tricarbonyl chromium(0) complexed ligands has been prepared. One member achieved >90% e.e. in the catalytic asymmetric hydrosilylation–oxidation of styrene.

**[2+2+1] Cycloadditions of ynol ethers. The synthesis of iron complexes of 3-alkoxycyclopentadienones***Tetrahedron Letters 42 (2001) 6987*

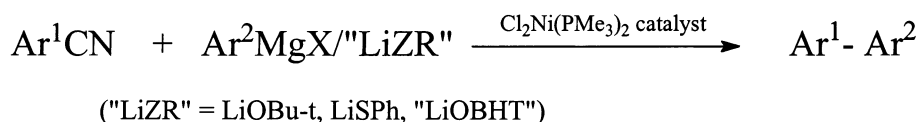
Jason E. Imbriglio and Jon D. Rainier*

Department of Chemistry, The University of Arizona, Tucson, AZ 85721, USA

**C–C Bond activation with selective functionalization: preparation of unsymmetrical biaryls from benzonitriles***Tetrahedron Letters 42 (2001) 6991*

Joseph A. Miller

DSM Catalytica Pharmaceuticals, 430 Ferguson Drive, Mountain View, CA 94043-5272, USA

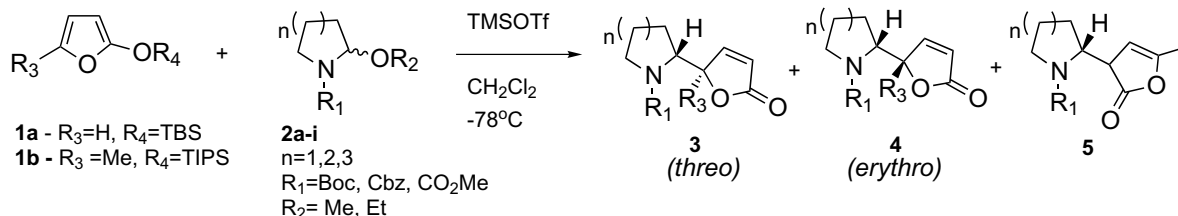


Diastereoselection of the addition of silyloxyfurans to five-, six- and seven-membered *N*-acyliminium ions

Tetrahedron Letters 42 (2001) 6995

Maria da Conceição F. de Oliveira, Leonardo Silva Santos and Ronaldo Aloise Pilli*

Instituto de Química, UNICAMP, PO Box 6154, 13083-970 Campinas, SP, Brazil

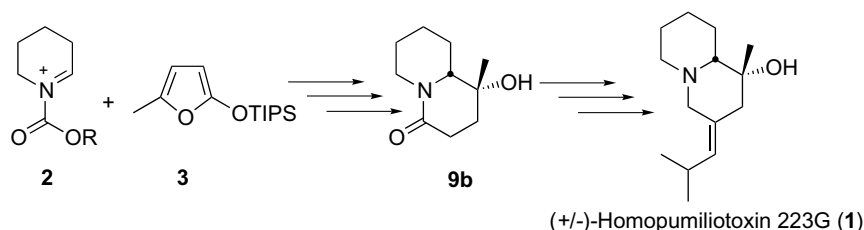


Total synthesis of (±)-homopumiliotoxin 223G

Tetrahedron Letters 42 (2001) 6999

Leonardo Silva Santos and Ronaldo Aloise Pilli*

Instituto de Química, UNICAMP, PO Box 6154, 13083-970 Campinas, SP, Brazil

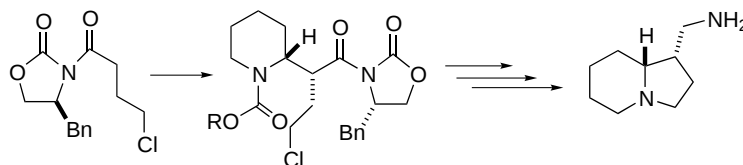


A short synthesis of (1*S*,8*aR*)-1-aminomethyl indolizidine. The heterocyclic core of stelletamides

Tetrahedron Letters 42 (2001) 7003

Ronaldo A. Pilli,* Paulo R. Zanotto and Maria Alice Böckelmann

Instituto de Química, UNICAMP, PO Box 6154, 13083-970 Campinas, SP Brazil



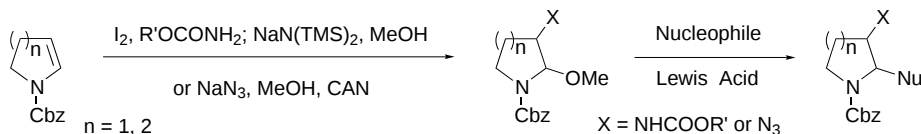
Synthesis of 3-aminopyrrolidines and piperidines from endocyclic enamine derivatives

Tetrahedron Letters 42 (2001) 7007

Marta R. P. Norton Matos,^{a,b} Carlos A. M. Afonso^a and Robert A. Batey^{b,*}

^a*Departamento de Química, Centro de Química Fina e Biotecnologia, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2825-114 Monte de Caparica, Portugal*

^b*Department of Chemistry, 80 St. George Street, University of Toronto, Toronto, Ontario, Canada M5S 3H6*

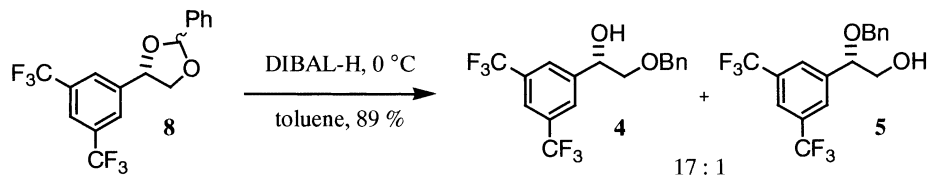


Stereoelectronic effects in the DIBAL reduction of aryl-1,2-ethanediol benzylidene acetals

Tetrahedron Letters 42 (2001) 7011

Donald R. Gauthier, Jr.,* Ronald H. Szumigala, Jr., Joseph D. Armstrong, III and R. P. Volante

Department of Process Research, Merck & Co., Inc., PO Box 2000, Rahway, NJ 07065, USA



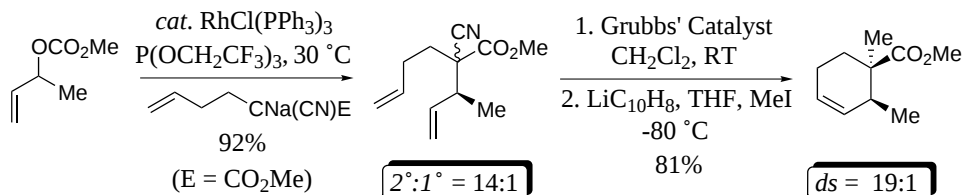
Regioselective rhodium-catalyzed allylic alkylation/ring-closing metathesis approach to carbocycles

Tetrahedron Letters 42 (2001) 7015

P. Andrew Evans^{a,b,*} and Lawrence J. Kennedy^b

^a*Department of Chemistry, Indiana University, Bloomington, IN 47405, USA*

^b*Department of Chemistry and Biochemistry, University of Delaware, Newark, DE 19716, USA*

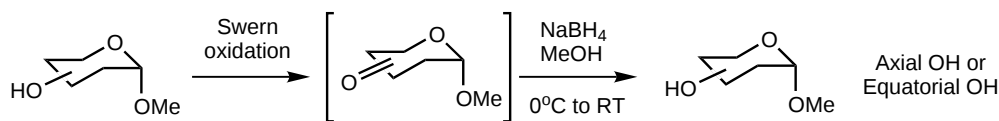


Studies of the stereoselective reduction of ketosugar (hexosulose)

Tetrahedron Letters 42 (2001) 7019

Cheng-Wei Tom Chang,* Yu Hui and Bryan Elchert

Department of Chemistry and Biochemistry, Utah State University, 0300 Old Main Hill, Logan, UT 84322-0300, USA

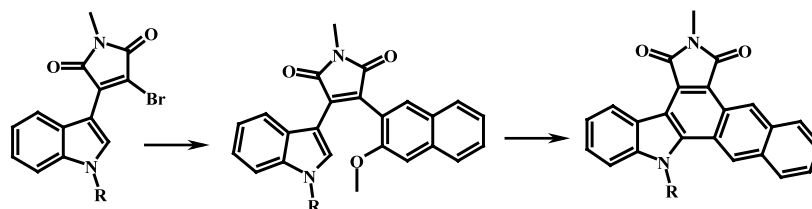


Synthesis of naphthopyrrolo[3,4-c]carbazoles

Tetrahedron Letters 42 (2001) 7025

Sylvain Routier,* Gérard Coudert and Jean-Yves M  rour

Institut de Chimie Organique et Analytique associ   au CNRS, BP 6759, 45067 Orl  ans C  dex 02, France

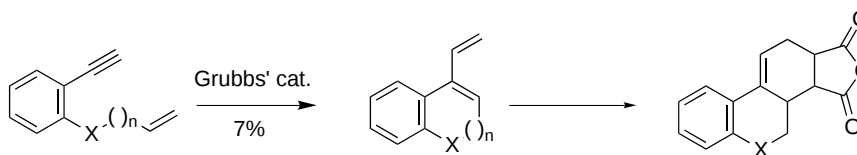


Synthesis of aromatic natural product frameworks using enyne metathesis

Tetrahedron Letters 42 (2001) 7029

Marta Rosillo, Luis Casarrubios, Gema Domínguez and Javier Pérez-Castells*

Departamento de Química Orgánica y Farmacéutica, Facultad de CC. Experimentales y Técnicas, Universidad San Pablo-CEU, Urb. Montepríncipe, Boadilla del Monte, 28668 Madrid, Spain

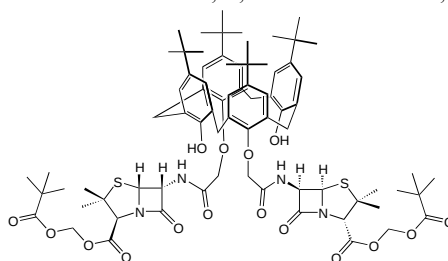


Synthesis and characterisation of a new podand based on a calixarene and a β -lactam

Tetrahedron Letters 42 (2001) 7033

Adel Ben Salem and Jean-Bernard Regnouf-de-Vains*

GEVSM, UMR 7565 CNRS-UHP, Faculté de Pharmacie, 5, rue Albert Lebrun, F-54001 Nancy Cedex, France

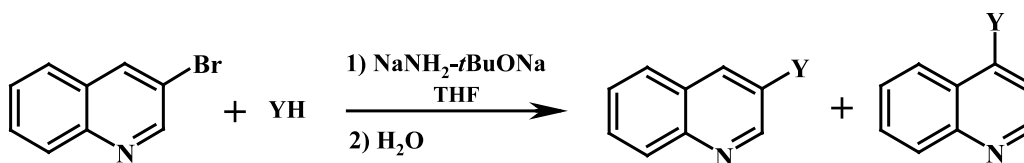


Complex base-induced generation of 3,4-dehydroquinoline: a new access to quinoline derivatives

Tetrahedron Letters 42 (2001) 7037

Stéphanie Blanchard, Gérald Guillaumet* and Paul Caubère

Institut de Chimie Organique et Analytique, UMR-CNRS 6005, Université d'Orléans, rue de Chartres, BP 6759, 45067 Orleans cedex 2, France

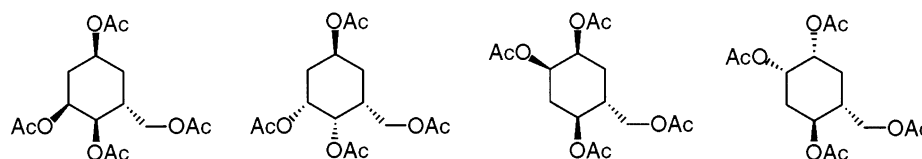


Synthesis of new 2- or 3-deoxy carbapyranoses from furan

Tetrahedron Letters 42 (2001) 7041

Odón Arjona,* Gema Lorenzo, Rocío Medel and Joaquín Plumet*

Departamento de Química Orgánica I, Facultad de Química, Universidad Complutense, 28040 Madrid, Spain

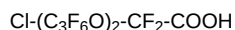


Synthesis of a novel porphyrin bearing chloroper-fluoropolyether moieties with very high solubility in supercritical CO₂

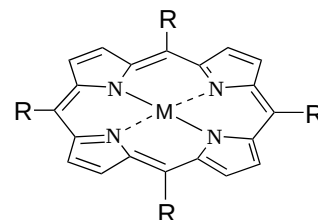
Tetrahedron Letters 42 (2001) 7045

Sandro Campestrini,* Giulio Lora and Umberto Tonellato

Università di Padova, Dipartimento di Chimica Organica, Centro CNR di Studio sui Meccanismi di Reazioni Organiche, Via Marzolo 1, 35131 Padova, Italy



5 Steps



M = Co, Zn R = -CF₂-(OC₃F₆)₂-Cl

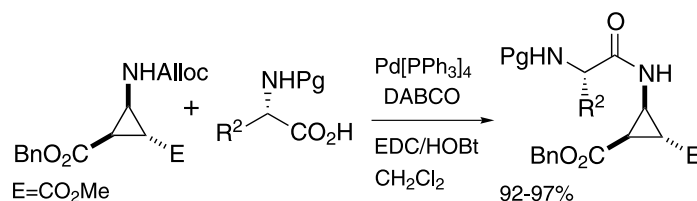
Deprotection of *N*-Alloc amines by Pd(0)/DABCO—an efficient method for in situ peptide coupling of labile amino acids

Tetrahedron Letters 42 (2001) 7049

Chiara Zorn,^a Frieder Gnad,^a Sunnhild Salmen,^a Timothy Herpin^b and Oliver Reiser^{a,*}

^aInstitut für Organische Chemie, Universität Regensburg, Universitätsstraße 31, D-93040 Regensburg, Germany

^bRhone-Poulenc Rorer Research and Development, 500 Arcola Road, Collegeville, PA 19426, USA



15-Membered macrocyclic triolefin: role in recovering active palladium catalyst for the telomerization of butadiene with methanol

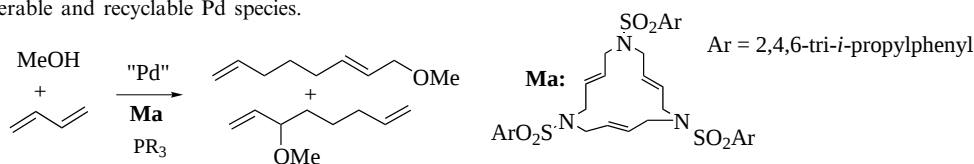
Tetrahedron Letters 42 (2001) 7055

Boris Estrine,^a Belén Blanco,^b Sandrine Bouquillon,^a Françoise Hénin,^{a,*} Marcial Moreno-Mañas,^b Jacques Muzart,^a Carolina Pena^{a,b} and Roser Pleixats^b

^aUnité Mixte de Recherche «Réactions Sélectives et Applications», CNRS, Université de Reims Champagne, Ardenne, BP 1039, 51687 Reims Cedex 2, France

^bDepartment of Chemistry, Universitat Autònoma de Barcelona, Cerdanyola, 08193 Barcelona, Spain

Ma stabilizes a recoverable and recyclable Pd species.



Zn(II) dipicolylamine-based artificial receptor as a new entry for surface recognition of α -helical peptides in aqueous solution

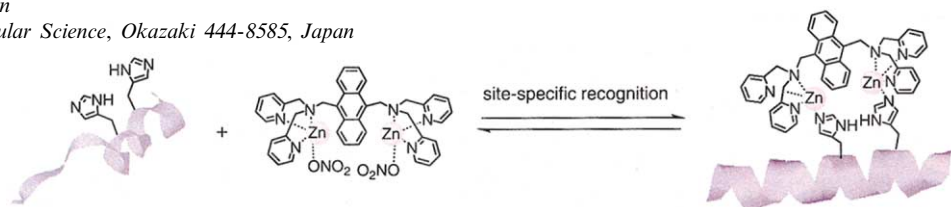
Tetrahedron Letters 42 (2001) 7059

Yasuko Mito-oka,^a Shinya Tsukiji,^a Takashi Hiraoka,^a Noriyuki Kasagi,^a Seiji Shinkai^a and Itaru Hamachi^{a,b,c,*}

^aDepartment of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 812-8581, Japan

^bPresto, JST, Japan

^cInstitute of Molecular Science, Okazaki 444-8585, Japan

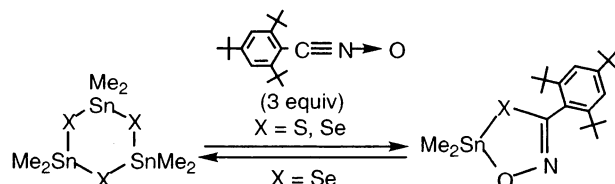


Reactions of 1,3,5,2,4,6-trichalcogenatristannins and their derivatives with a nitrile oxide: synthesis, structure, and thermal behavior of oxachalcogenazastannoles

Tetrahedron Letters 42 (2001) 7063

Masaichi Saito,* Susumu Nakano and Michikazu Yoshioka

Department of Chemistry, Faculty of Science, Saitama University, Shimo-okubo, Urawa, Saitama 338-8570 Japan



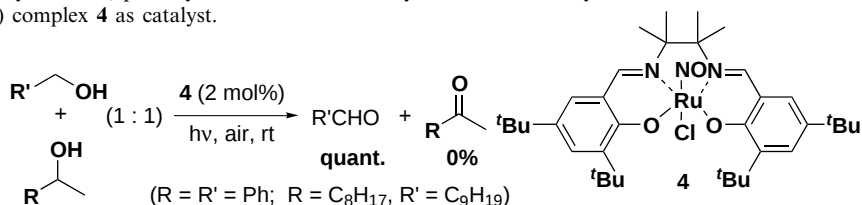
Chemoselective aerobic oxidation of primary alcohols catalyzed by a ruthenium complex

Tetrahedron Letters 42 (2001) 7067

Atsushi Miyata, Masakazu Murakami, Ryo Irie and Tsutomu Katsuki*

Department of Chemistry, Faculty of Science, Graduate School, Kyushu University 33, CREST, JST (Japan Science and Technology), Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

In the presence of secondary alcohols, primary alcohols are selectively oxidized to aldehydes under aerobic conditions by using a (nitrosyl)Ru(salen) complex **4** as catalyst.



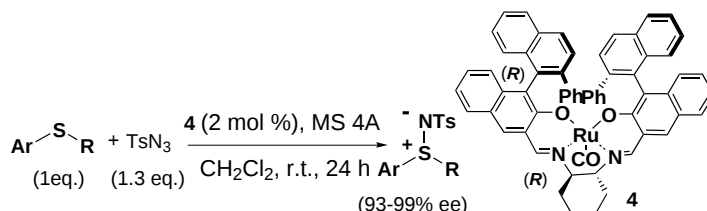
Ru(salen)-catalyzed asymmetric sulfimidation using arylsulfonyl azide

Tetrahedron Letters 42 (2001) 7071

Masakazu Murakami, Tatsuya Uchida and Tsutomu Katsuki*

Department of Chemistry, Faculty of Science, Graduate School, Kyushu University 33, CREST, JST (Japan Science and Technology), Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

(OC)Ru(II)(salen) complex **4** was found to catalyze imidation of alkyl aryl sulfides in the presence of arylsulfonyl azide with high enantioselectivity as well as good chemical yield.



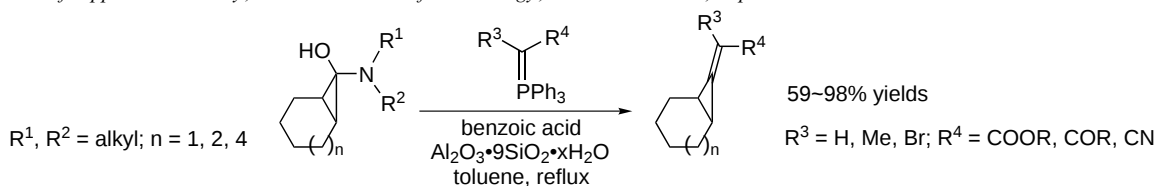
A facile synthesis of ring-fused alkylidenecyclopropanes by olefination reaction of bicyclo[n.1.0]alkanone N,O-hemiacetals with Wittig reagents

Tetrahedron Letters 42 (2001) 7075

Morshed Alam Chowdhury,^a Hisanori Senboku,^a Masao Tokuda,^{a,*} Yuzuru Masuda^b and Toshiro Chiba^b

^aLaboratory of Organic Synthesis, Division of Molecular Chemistry, Graduate School of Engineering, Hokkaido University, Sapporo 060-8628, Japan

^bDepartment of Applied Chemistry, Kitami Institute of Technology, Kitami 090-8507, Japan



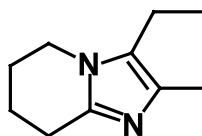
Catharsitoxins from the Chinese remedy *qing laug*

Tetrahedron Letters 42 (2001) 7079

Kiyotake Suenaga,^a Hiroki Shimogawa,^b Satoru Nakagawa^b and Daisuke Uemura^{b,*}

^aResearch Center for Materials Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan

^bDepartment of Chemistry, Graduate School of Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan



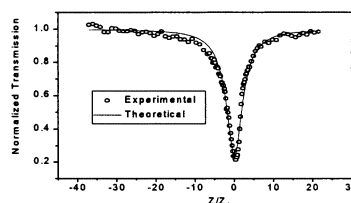
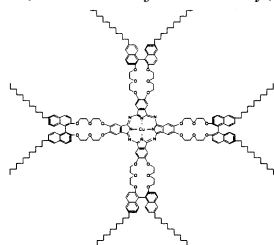
catharsitoxin A

Synthesis and properties of optically active 6,6'-didodecyl-1,1'-binaphthyl-phthalocyanine linked through crown ether units

Tetrahedron Letters 42 (2001) 7083

Hongwei Liu, Yaohu Liu, Minghua Liu, Chuanfu Chen and Fu Xi*

Center for Molecular Science, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, PR China



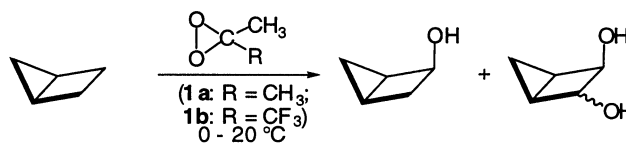
On the hydroxylation of bicyclo[2.1.0]pentane using dioxiranes

Tetrahedron Letters 42 (2001) 7087

Ruggero Curci,* Lucia D'Accolti and Caterina Fusco

Centro C.N.R. 'M.I.S.O.', Department of Chemistry, University of Bari, v. Amendola 173, I-70126 Bari, Italy

The oxidation of bicyclo[2.1.0]pentane by dioxiranes **1a** or **1b**, affords selectively, the corresponding *endo*-2 alcohol along with the 2,3-diol, and no rearrangement products; this suggests a concerted *O*-insertion mechanism.

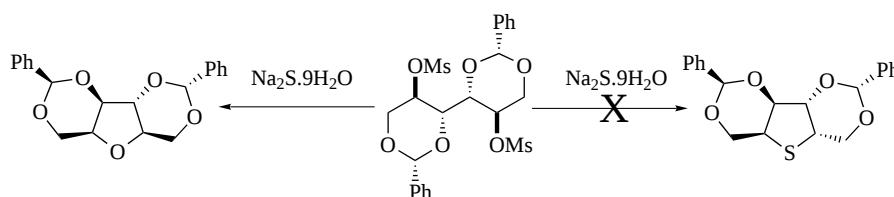


Studies on the formation of a tricyclic C₂-symmetric sulfide

Tetrahedron Letters 42 (2001) 7091

Caroline L. Winn and Jonathan M. Goodman*

The University Chemical Laboratory, Lensfield Road, University of Cambridge, Cambridge CB2 1EW, UK



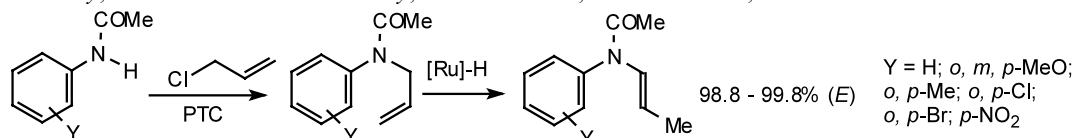
Highly selective synthesis of (*E*)-*N*-aryl-*N*-(1-propenyl)ethanamides via isomerization of *N*-allyl ethanamides catalyzed by ruthenium complexes

Tetrahedron Letters 42 (2001) 7095

Stanislaw Krompiec,^{a,*} Mariola Pigulla,^a Wojciech Szczepankiewicz,^a Tadeusz Bieg,^a Nikodem Kuznik,^a Katarzyna Leszczynska-Sejda,^a Maciej Kubicki^b and Teresa Borowiak^b

^aFaculty of Chemistry, Silesian University of Technology, Krzywoustego 6, 44-101 Gliwice, Poland

^bFaculty of Chemistry, Adam Mickiewicz University, Grunwaldzka 6, 60-780 Poznań, Poland

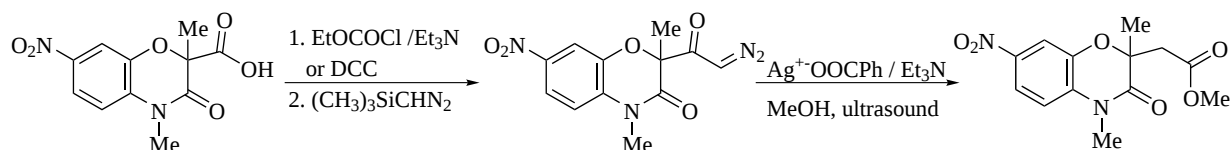


Trimethylsilyldiazomethane in the preparation of diazoketones via mixed anhydride and coupling reagent methods: a new approach to the Arndt-Eistert synthesis

Tetrahedron Letters 42 (2001) 7099

Jožko Cesar and Marija Sollner Dolenc*

Faculty of Pharmacy, University of Ljubljana, Askerceva 7, 1000 Ljubljana, Slovenia



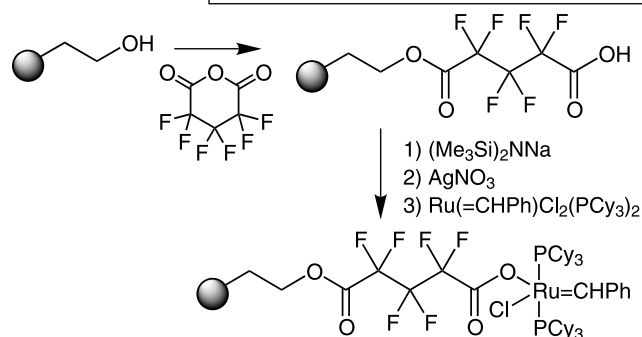
Synthesis and application of a new polystyrene-supported ruthenium carbene catalyst for alkene metathesis

Tetrahedron Letters 42 (2001) 7103

Piotr Nieczypor, Włodzimierz Buchowicz, Wim J. N. Meester, Floris P. J. T. Rutjes and Johannes C. Mol*

Institute of Molecular Chemistry, Universiteit van Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, The Netherlands

A permanently immobilised ruthenium carbene was synthesised and applied in the self-metathesis of internal alkenes as well as in ring-closing metathesis.



Upper rim substitution of thiacalix[4]arene

Tetrahedron Letters 42 (2001) 7107

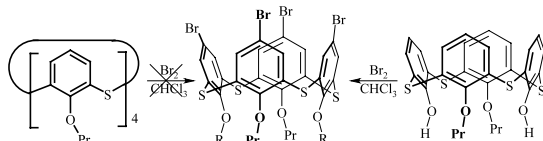
Pavel Lhoták,^{a,*} Michal Himl,^a Ivan Stibor,^a Jan Sykora^b and Ivana Cisarová^c

^aDepartment of Organic Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic

^bDepartment of Solid State Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic

^cDepartment of Inorganic Chemistry, Charles University, Hlavova 8, 128 43, Prague 2, Czech Republic

Bromination of the upper rim of a thia-calix[4]arene has been achieved for the first time using a distally disubstituted derivative as the starting compound. Corresponding tetraalkylated compounds, surprisingly, did not yield similar brominated products.



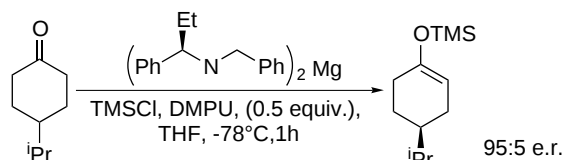
Effect of amine structure and reaction additives on enantioselective deprotonations mediated by homochiral magnesium amide bases

Tetrahedron Letters 42 (2001) 7111

John D. Anderson,^a Pilar García García,^a Douglas Hayes,^b Kenneth W. Henderson,^{a,*} William J. Kerr,^{a,*} Jennifer H. Moir^a and Kamallesh Pai Fondekar^a

^aDepartment of Pure and Applied Chemistry, University of Strathclyde, Thomas Graham Building, Glasgow G1 1XL, Scotland, UK

^bGlaxoSmithKline, Medicines Research Centre, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY, England, UK



¹H NMR and X-ray crystallographic analysis of 1,2-bis(4,6-diethylthio-1*H*-pyrazolo[3,4-*d*]-pyrimidin-1-yl)ethane and its 'propylene linker'-analog: molecular recognition versus crystal engineering

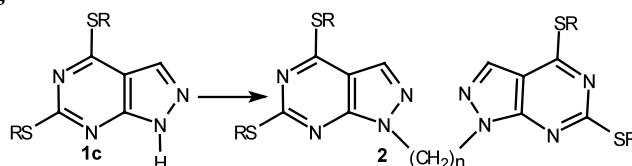
Tetrahedron Letters 42 (2001) 7115

Kamlakar Avasthi,^{a,*} Diwan S. Rawat,^a Prakash R. Maulik,^{b,*} S. Sarkhel,^b Charlotte K. Broder^c and Judith A. K. Howard^c

^aMedicinal Chemistry Division, Central Drug Research Institute, Lucknow 226001, India

^bMolecular and Structural Biology Division, Central Drug Research Institute, Lucknow 226001, India

^cDepartment of Chemistry, University of Durham, Durham DH1 3LE, UK



Proton NMR analysis showed intramolecular stacking for both compounds **2c** and **2d** in solution. However, X-ray crystallography showed such stacking in the solid state only for **2d**.

2c: *n* = 2, unstacked; **2d**: *n* = 3, stacked.

A novel diterpenoid lactone-based scaffold for the generation of combinatorial libraries

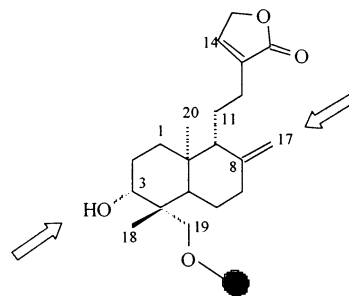
Tetrahedron Letters 42 (2001) 7119

Misbah A. Farooq Biabani,^{a,*} Rajesh K. Grover,^b Sanjay K. Singh,^a Satish Kumar,^a Kanwal Raj,^a Raja Roy^b and Bijoy Kundu^{a,*}

^aMedicinal Chemistry Division, Central Drug Research Institute, Lucknow 226 001, India

^bRSIC, Central Drug Research Institute, Lucknow 226 001, India

A novel labdane diterpenoid lactone-based scaffold: 14-deoxy-andrographolide has been identified for the generation of combinatorial libraries using solid-phase methods.

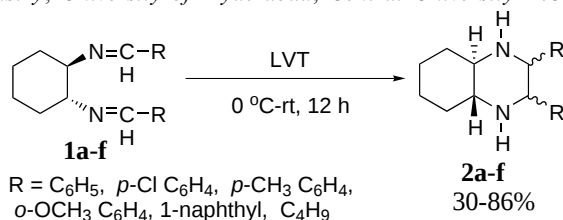


Intramolecular coupling of chiral diimines using low-valent titanium reagents: stereoselective synthesis of chiral 3,4-disubstituted-2,5-diazabicyclo[4.4.0]decenes

Tetrahedron Letters 42 (2001) 7123

Mariappan Periasamy,^{*} Gadthula Srinivas and Suriseti Suresh

School of Chemistry, University of Hyderabad, Central University P.O., Hyderabad 500 046, India



LVT = TiCl₄/Et₃N, TiCl₄/Mg, TiCl₄/Zn

Carbanion-induced base-catalyzed synthesis of unsymmetrical biaryls from suitably functionalized 2H-pyran-2-ones through ring-transformation reactions

Vishnu Ji Ram* and Nidhi Agarwal

Medicinal Chemistry Division, Central Drug Research Institute, Lucknow 226001, India