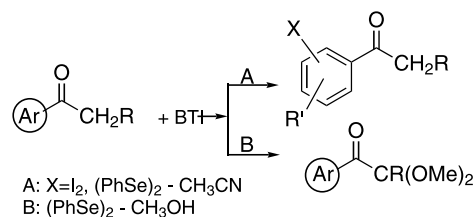


Solvent directed electrophilic iodination and phenylselenenylation of activated alkyl aryl ketones*Tetrahedron Letters 44 (2003) 8753*

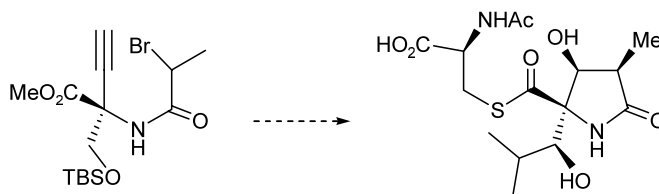
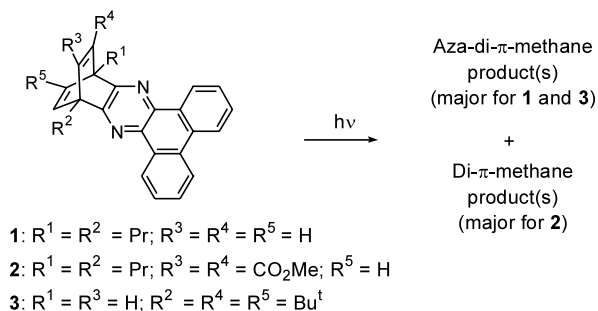
Barbara Panunzi, Lucia Rotiroti and Marco Tingoli*

Facoltà di Agraria, Università di Napoli 'Federico II', I-80055 Portici (NA), Italy

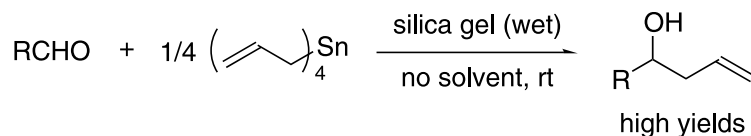
Molecular iodine and phenyliodine(III) bis(trifluoroacetate)(BTI), are able to selectively iodinate the aromatic ring of some activated alkyl aryl ketones. If (PhSe)₂ is used instead of I₂ in CH₃CN aromatic phenylselenenylation occurs. In CH₃OH the formation of α,α -dimethoxy carbonyl compounds is observed.

**Formal synthesis of (+)-lactacystin based on a novel radical cyclisation of an α -ethynyl substituted serine***Tetrahedron Letters 44 (2003) 8757*

Christopher J. Brennan, Gerald Pattenden* and Gwenaëlla Rescourio

School of Chemistry, The University of Nottingham, Nottingham NG7 2RD, UK**Substituent effects on di- π -methane and aza-di- π -methane rearrangements of dibenzo[*f,h*]quinoxalinobarrelenes***Tetrahedron Letters 44 (2003) 8761*Sheng-Yunn Lin,^a Hsing-Pang Hsieh,^bRama Krishna Peddinti^c and Chun-Chen Liao^{c,*}^a*Department of Chemistry, National Changhua University of Education, Changhua, 500 Taiwan*^b*Division of Biotechnology and Pharmaceutical Research, National Health Research Institutes, Taipei, 114 Taiwan*^c*Department of Chemistry, National Tsing Hua University, Hsinchu, 300 Taiwan***Organic synthesis in solid media. Silica gel as an effective and reusable medium for the selective allylation of aldehydes with tetraallyltin***Tetrahedron Letters 44 (2003) 8765*

Yong Zhi Jin, Noriyuki Yasuda, Hiroshi Furuno and Junji Inanaga*

Institute for Materials Chemistry and Engineering (IMCE), Kyushu University, Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

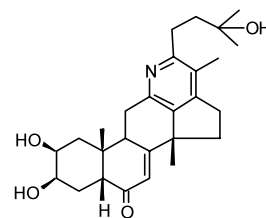
Tetrahedron Letters 44 (2003) 8769

Lalith Jayasinghe,^a Champika P. Jayasooriya,^a Noriyuki Hara^b and Yoshinori Fujimoto^{b,*}

^a*Institute of Fundamental Studies, Hantana Road, Kandy, Sri Lanka*

^b*Department of Chemistry and Materials Science, Tokyo Institute of Technology, Meguro, Tokyo 152-8551, Japan*

An unprecedented ecdysteroid, named diploclidine, was isolated from the title plant and its structure was elucidated by spectral means.

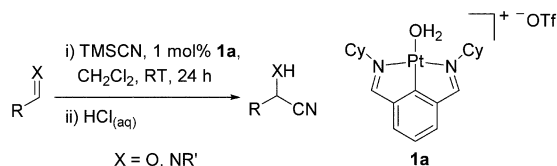


Tetrahedron Letters 44 (2003) 8773

John S. Fossey and Christopher J. Richards*

Department of Chemistry, Queen Mary, University of London, Mile End Road, E1 4NS, UK

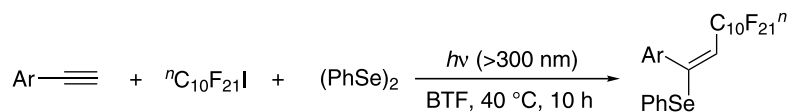
Platinum NCN-pincer complex **1a** is an efficient catalyst for silylcyanation of both aldehydes and imines.



Tetrahedron Letters 44 (2003) 8777

Kaname Tsuchii and Akiya Ogawa*

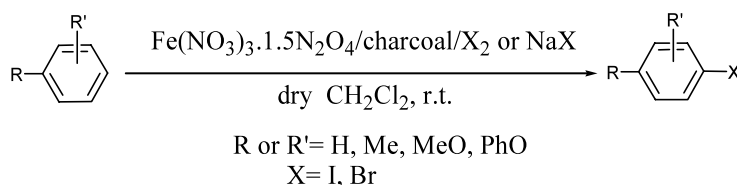
Department of Chemistry, Faculty of Science, Nara Women's University, Kita-uoyanishi-machi, Nara 630-8506, Japan



Tetrahedron Letters 44 (2003) 8781

H. Firouzabadi,* N. Iranpoor* and M. Shiri

Department of Chemistry, College of Science, Shiraz University, Shiraz 71454, Iran



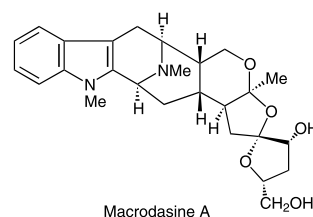
Macrodasine A, a novel macroline derivative incorporating fused spirocyclic tetrahydrofuran rings containing a spiroacetal moiety

Tetrahedron Letters 44 (2003) 8787

Toh-Seok Kam* and Yeun-Mun Choo

Department of Chemistry, University of Malaya, 50603 Kuala Lumpur, Malaysia

A novel indole alkaloid, macrodasine A, incorporating fused spirocyclic tetrahydrofuran rings onto a macroline-like moiety, was obtained from a Malayan *Alstonia* species. The structure, which is also notable for the presence of an unprecedented spiroacetal moiety in an indole alkaloid, was established by spectroscopic analysis.

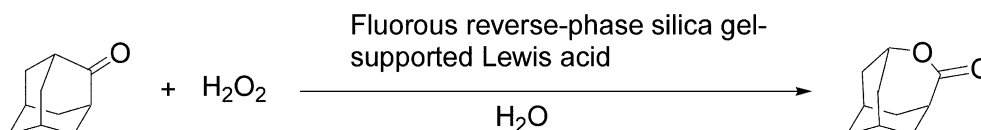


Fluorous reverse-phase silica gel-supported Lewis acids as recyclable catalysts in water

Tetrahedron Letters 44 (2003) 8791

Osamu Yamazaki, Xiuhua Hao, Akihiro Yoshida and Joji Nishikido*

The Noguchi Institute, 1-8-1 Kaga, Itabashi-ku, Tokyo 173-0003, Japan



A novel seven-membered carbohydrate phostone

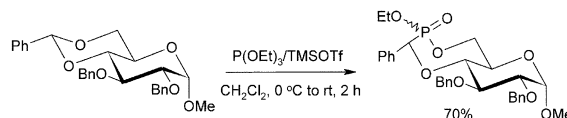
Tetrahedron Letters 44 (2003) 8797

Jitka Moravcova,^{a,*} Helena Heissigerova,^{a,b} Petr Kocalka,^a Anne Imberty,^b David Sykora^c and Miroslav Fris^a

^a*Department of Chemistry of Natural Compounds, Institute of Chemical Technology, Technicka 5, 166 28 Prague, Czech Republic*

^b*Centre de Recherches sur les Macromolécules Végétales, CNRS, 601 rue de la Chimie, BP 53, 38041 Grenoble cedex 9, France*

^c*Department of Analytical Chemistry, Institute of Chemical Technology, Technicka 5, 166 28 Prague, Czech Republic*



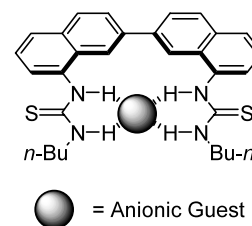
Synthesis and anion recognition properties of 8,8'-dithioureido-2,2'-binaphthalene

Tetrahedron Letters 44 (2003) 8801

Shin-ichi Kondo,* Masanori Nagamine and Yumihiko Yano

Department of Chemistry, Faculty of Engineering, Gunma University, Kiryu, Gunma 376-8515, Japan

A novel artificial receptor based on 2,2'-binaphthalene skeleton bearing two thiourea groups was prepared via nickel(II)-catalyzed homocoupling of the corresponding bromide. Binding constants for anionic species such as F⁻, AcO⁻, H₂PO₄⁻, and Cl⁻ were simply determined in acetonitrile by UV-vis and fluorescence spectrometry.

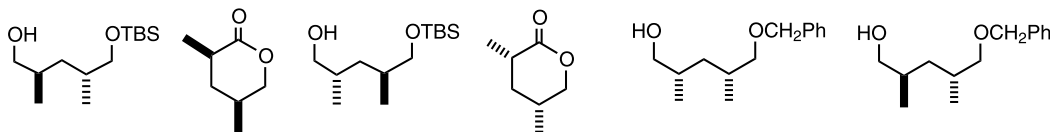


Synthetic routes to the stereoisomers of 2,4-dimethylpentane-1,5-diol derivatives

Tetrahedron Letters 44 (2003) 8805

Gemma Mas, Lluïsa González and Jaume Vilarrasa*

Departament de Química Orgànica, Facultat de Química, Av. Diagonal 647, Universitat de Barcelona, 08028 Barcelona, Catalonia, Spain

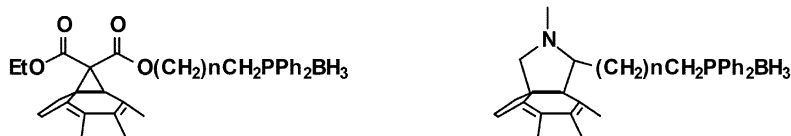


Synthesis of new C₆₀ based phosphines

Tetrahedron Letters 44 (2003) 8811

Sandrine Ballot and Nicolas Noiret*

Ecole Nationale Supérieure de Chimie de Rennes, Synthèses et Activations de Biomolécules, CNRS UMR 6052, Institut de Chimie de Rennes, Avenue du Général Leclerc, F-35700 Rennes, France



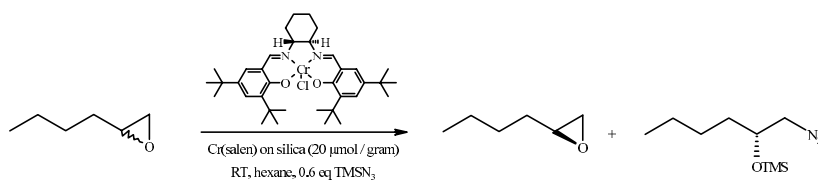
Cr^{III}(salen) impregnated on silica for asymmetric ring opening reactions and its recovery via desorption/re-impregnation

Tetrahedron Letters 44 (2003) 8815

Bart M. L. Dioos and Pierre A. Jacobs*

Centre for Surface Chemistry and Catalysis, K.U. Leuven, Kasteelpark Arenberg 23, 3001 Heverlee, Belgium

Silica impregnated with Cr(salen) was used in an asymmetric ring opening reaction of 1,2-epoxyhexane. In a batch reactor catalyst recycling was possible with good reactivity and selectivity. In the end most of the catalyst was recoverable via a desorption procedure.

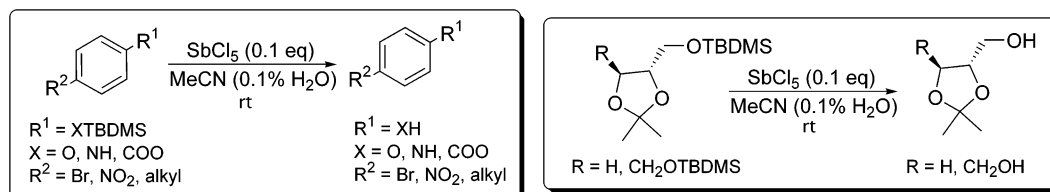


SbCl₅–wet acetonitrile: a new system for chemoselective O-desilylation

Tetrahedron Letters 44 (2003) 8819

Paulo M. C. Glória, Sundaresan Prabhakar,* Ana M. Lobo* and Mário J. S. Gomes (in part)

Secção de Química Orgânica Aplicada, Departamento de Química, CQFB-REQUIMTE and SINTOR-UNINOVA, campus FCT-UNL, Quinta da Torre, 2829 Monte de Caparica, Portugal

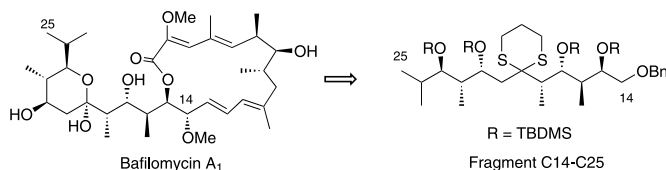


Enantioselective monoreduction of 2-alkyl 1,3-diketones using chiral ruthenium catalysts. Synthesis of the C14–C25 fragment of bafilomycin A₁

Tetrahedron Letters 44 (2003) 8823

Florence Eustache, Peter I. Dalko and Janine Cossy*

Laboratoire de Chimie Organique, associé au CNRS, ESPCI, 10 rue Vauquelin, 75231 Paris Cedex 05, France



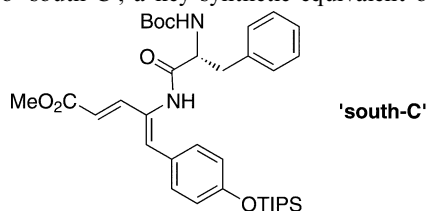
Synthetic approaches to the southern part of cyclotheonamide C

Tetrahedron Letters 44 (2003) 8827

David J. Aitken,* Sophie Faure and Stéphane Roche

Laboratoire SEESIB-CNRS (UMR 6504), Département de Chimie, Université Blaise Pascal—Clermont-Ferrand II, 24, Avenue des Landais, 63177 Aubière cedex, France

Two efficient complementary routes led to 'south-C', a key synthetic equivalent of the southern fragment C(12)–N(19) of cyclotheonamide C.



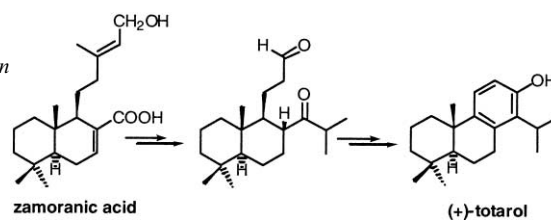
Synthesis of (+)-totarol

Tetrahedron Letters 44 (2003) 8831

I. S. Marcos,* M. A. Cubillo, R. F. Moro, D. Díez, P. Basabe, F. Sanz and J. G. Urones

Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad de Salamanca, Plaza de los Caídos 1-5, E-37008 Salamanca, Spain

(+)-Totarol, a tricyclic diterpene, has been synthesised from zamoranic acid. The key step is the cyclisation of a 13,14-secototarane using SmI₂.

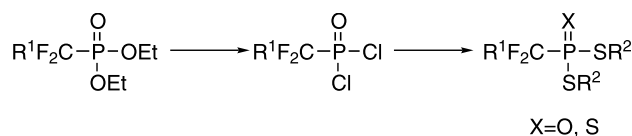


First synthesis of *S,S*-dialkyl difluorophosphonodithioates and difluorophosphonotrithioates

Tetrahedron Letters 44 (2003) 8837

Chrystel Lopin, Géraldine Gouhier and Serge R. Piettre*

Laboratoire des Fonctions Azotées et Oxygénées Complexes, UMR 6014 CNRS, Université de Rouen, rue Tesnière, F-76821 Mont Saint Aignan, France



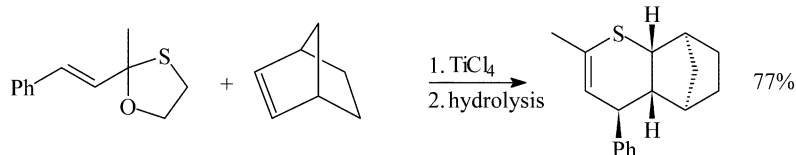
Thio Diels–Alder reactions of α,β -unsaturated 1,3-oxathiolanes with aliphatic olefins and 1,3-dienes

Tetrahedron Letters 44 (2003) 8841

Sébastien Kerverdo,^a Louissette Lizzani-Cuvelier^a and Elisabet Duñach^{a,b,*}

^aLaboratoire Arômes, Synthèses et Interactions, Université de Nice-Sophia Antipolis, 06108 Nice Cedex 2, France

^bLaboratoire de Chimie Bio-Organique, UMR CNRS 6001, Université de Nice-Sophia Antipolis, 06108 Nice Cedex 2, France

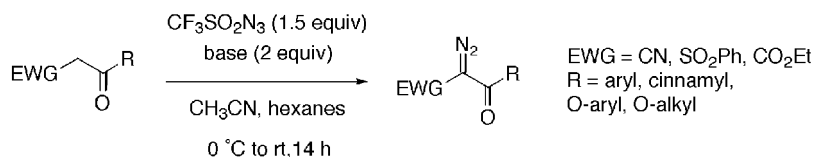


Trifluoromethanesulfonyl azide: an efficient reagent for the preparation of α -cyano- α -diazo carbonyls and an α -sulfonyl- α -diazo carbonyl

Tetrahedron Letters 44 (2003) 8845

Ryan P. Wurz, Wei Lin and André B. Charette*

Département de Chimie, Université de Montréal, PO Box 6128, Station Downtown, Montréal, QC, H3C 3J7, Canada

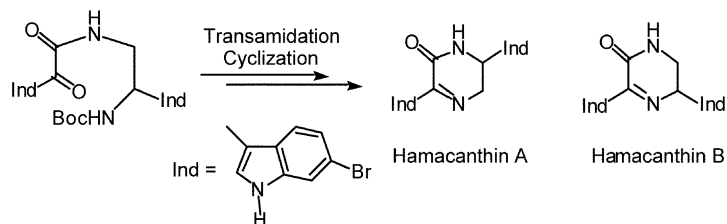


Synthesis of marine bisindole alkaloids, hamacanthins A and B through intramolecular transamidation–cyclization

Tetrahedron Letters 44 (2003) 8849

Tomomi Kawasaki,* Takashi Kouko, Hiromi Totsuka and Kei Hiramatsu

Meiji Pharmaceutical University, 2-522-1 Noshio, Kiyose, Tokyo 204-8588, Japan

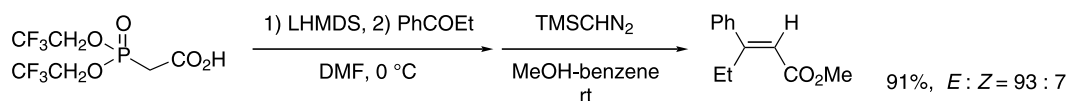


(*E*)-Selective Horner–Wadsworth–Emmons reaction of aryl alkyl ketones with bis(2,2,2-trifluoroethyl)phosphonoacetic acid

Tetrahedron Letters 44 (2003) 8853

Shigeki Sano,* Yuka Takemoto and Yoshimitsu Nagao*

Faculty of Pharmaceutical Sciences, The University of Tokushima, Sho-machi, Tokushima 770-8505, Japan

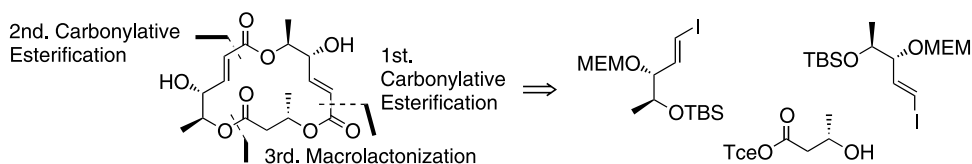


Total synthesis of macrophelide A by way of palladium-catalyzed carbonylative esterification

Tetrahedron Letters 44 (2003) 8857

Shin-ichi Kusaka, Suguru Dohi, Takayuki Doi and Takashi Takahashi*

Department of Applied Chemistry, Tokyo Institute of Technology, 2-12-1, Ookayama, Meguro, Tokyo 152-8552, Japan



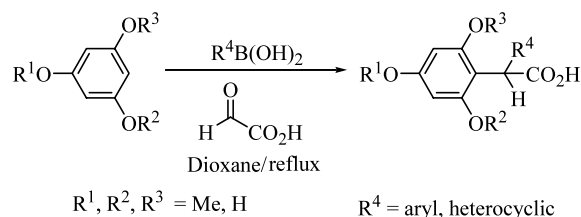
Novel Petasis boronic acid reactions with 1,3,5-tri-oxygenated benzenes

Tetrahedron Letters 44 (2003) 8861

Dinabandhu Naskar,^{a,*} Amrita Roy^a and William L. Seibel^b

^aChembiotek Research International, Block BN, Sector-V, Plot 7, Salt Lake Electronic Complex, Kolkata 700 091, India

^bCombinatorial Chemistry Section, Procter & Gamble Pharmaceuticals, Health Care Research Center, 8700 Mason Montgomery Road, Mason, OH 45040, USA



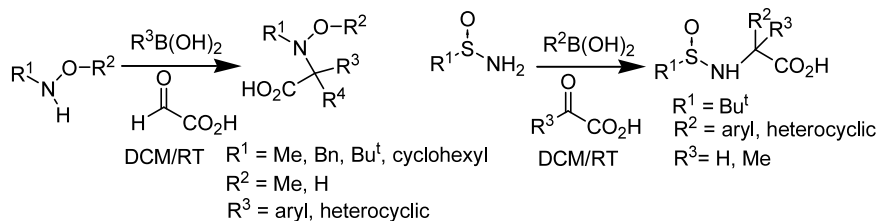
Hydroxylamines and sulfinamide as amine components in the Petasis boronic acid–Mannich reaction: synthesis of *N*-hydroxy or alkoxy- α -aminocarboxylic acids and *N*-(*tert*-butyl sulfinyl)- α -amino carboxylic acids

Tetrahedron Letters 44 (2003) 8865

Dinabandhu Naskar,^{a,*} Amrita Roy,^a William L. Seibel^b and David E. Portlock^b

^aChembiotek Research International, Block BN, Sector-V, Plot 7, Salt Lake Electronic Complex, Kolkata 700 091, India

^bCombinatorial Chemistry Section, Procter & Gamble Pharmaceuticals Health Care Research Center, 8700 Mason Montgomery Road, Mason, OH 45040, USA

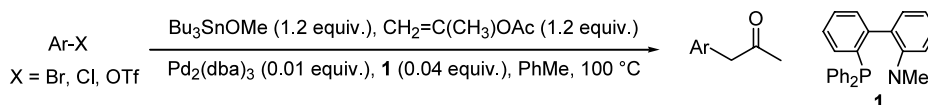


A highly active catalyst system for the heteroarylation of acetone

Tetrahedron Letters 44 (2003) 8869

Ping Liu,^{*} Thomas J. Lanza, Jr., James P. Jewell, Carrie P. Jones, William K. Hagmann and Linus S. Lin

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

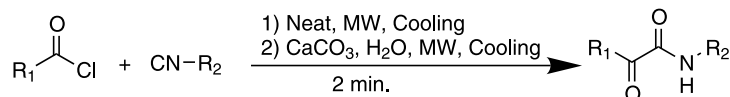


Rapid synthesis of α -ketoamides using microwave irradiation– simultaneous cooling method

Tetrahedron Letters 44 (2003) 8873

Jack J. Chen* and Seema V. Deshpande

Procter & Gamble Pharmaceuticals, 8700 Mason-Montgomery Road, Mason, OH 45040, USA

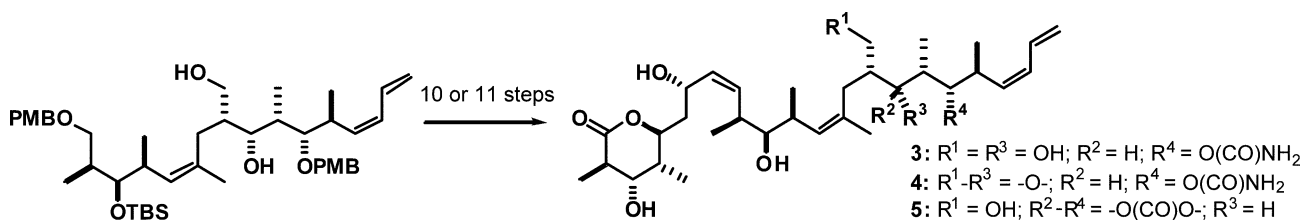


Synthesis of novel discodermolide analogues with modified hydrogen-bonding donor/acceptor sites

Tetrahedron Letters 44 (2003) 8877

Ian Paterson* and Oscar Delgado

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

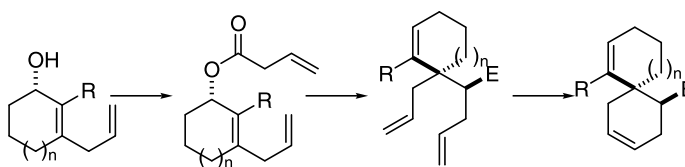


A sequential Claisen/ring-closing metathesis approach to the synthesis of spirocyclic cyclopentanes and cyclohexanes

Tetrahedron Letters 44 (2003) 8883

Patrick Beaulieu and William W. Ogilvie*

Department of Chemistry, University of Ottawa, 10 Marie Curie, Ottawa, Ontario, Canada K1N 6N5



Synthesis of an external β -turn based on the GLDV motif of cell adhesion proteins

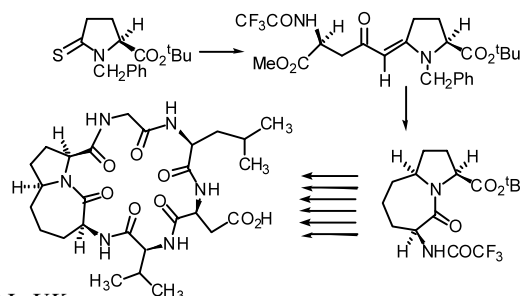
Tetrahedron Letters 44 (2003) 8887

David E. Davies,^a Paul M. Doyle,^b R. Duncan Farrant,^a
 Richard D. Hill,^c Peter B. Hitchcock,^c
 Paul N. Sanderson^a and Douglas W. Young^{c,*}

^a*GlaxoSmithKline, Medicines Research Centre, Gunnels Wood Road, Stevenage, Herts SG1 2NY, UK*

^b*BioFocus Discovery PLC, Sittingbourne Research Centre, Sittingbourne, Kent ME9 8AZ, UK*

^c*Sussex Centre for Biomolecular Design and Drug Development, Department of Chemistry, University of Sussex, Falmer, Brighton BN1 9QJ, UK*



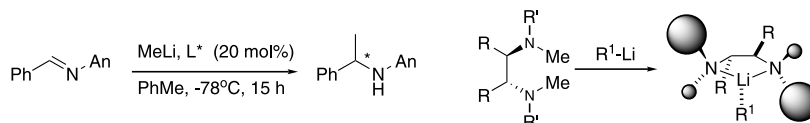
Conceptually new chiral tertiary C_2 symmetric diamines in asymmetric synthesis

Tetrahedron Letters 44 (2003) 8893

Jean-Claude Kizirian,^a Jean-Claude Caille^b and Alexandre Alexakis^{a,*}

^aUniversité de Genève, Department of Organic Chemistry, 30 quai Ernest Ansermet, CH-1211 Genève 4, Switzerland

^bPPG-SIPSY, Z. I. La croix cadeau B.P. 79. 49242 Avrille Cedex, France

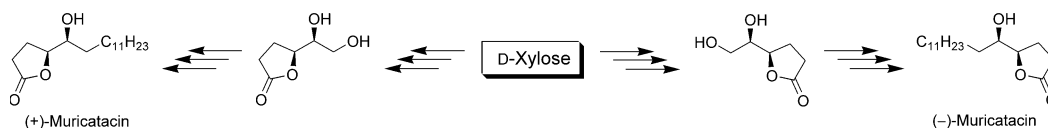


Enantiopure hydroxylactones from D-xylose. A novel approach to the enantiodivergent synthesis of (+)- and (-)-muricatacin suitable for the preparation of 7-oxa analogues

Tetrahedron Letters 44 (2003) 8897

Velimir Popsavin,^{*} Ivana Krstić and Mirjana Popsavin

Department of Chemistry, Faculty of Sciences, University of Novi Sad, Trg D. Obradovića 3, 21000 Novi Sad, Serbia and Montenegro



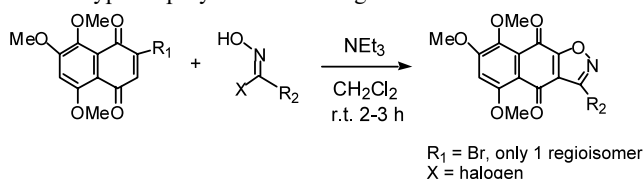
Regiocontrolled [3+2] quinone-nitrile oxide entry to type II polyketide building blocks

Tetrahedron Letters 44 (2003) 8901

Joel L. Stevens, Thomas D. Welton, Jay P. Deville and Victor Behar^{*}

Department of Chemistry, Rice University MS 60, Houston, TX 77251, USA

Bromine substitution effectively activates and orients the [3+2] dipolar cycloaddition reaction of naphthoquinones with nitrile oxides to generate regiodefined type II polyketide building blocks.

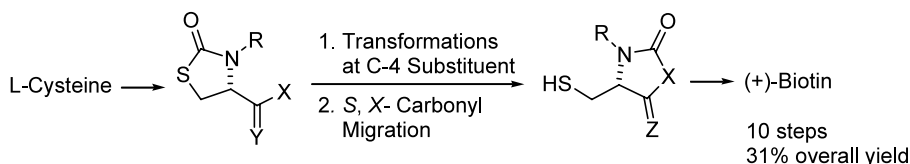


2-Thiazolidinone: a novel thiol protective surrogate of complete atom efficiency, a practical synthesis of (+)-biotin

Tetrahedron Letters 44 (2003) 8905

Masahiko Seki,^{*} Mayumi Kimura, Masanori Hatsuda, Shin-ichi Yoshida and Toshiaki Shimizu

Process Chemistry Research Laboratories, Tanabe Seiyaku Co., Ltd., 3-16-89, Kashima, Yodogawa-ku, Osaka 532-8505, Japan



Simple naphthalimide based anion sensors: deprotonation induced colour changes and CO₂ fixation

Thorfinnur Gunnlaugsson,* Paul E. Kruger,* Paul Jensen, Frederick M. Pfeffer* and Gillian M. Hussey
Department of Chemistry, Trinity College Dublin, Dublin 2, Ireland

