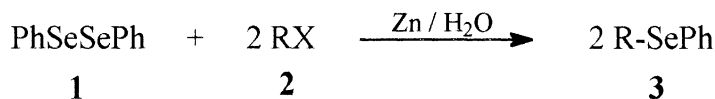


General synthesis of alkyl phenyl selenides from organic halides mediated by zinc in aqueous medium*Tetrahedron Letters 42 (2001) 4597*

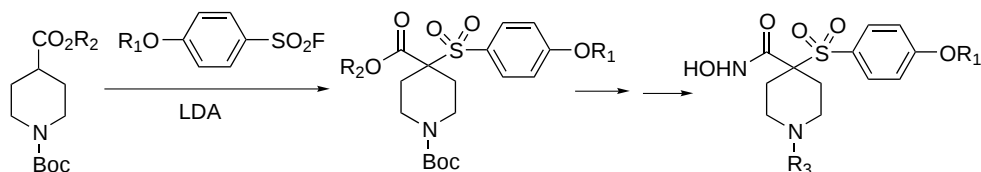
Lothar W. Bieber,* Ana C. P. F. de Sá, Paulo H. Menezes and Simone M. C. Gonçalves

Departamento de Química Fundamental, Universidade Federal de Pernambuco, 50670-901 Recife, PE, Brazil**Synthesis of (2*S*,3*S*)-β-methyltryptophan***Tetrahedron Letters 42 (2001) 4601*

Guoxia Han, Arwel Lewis and Victor J. Hruby*

Department of Chemistry, University of Arizona, Tucson, AZ 85721, USA**An efficient method to prepare α-sulfonyl hydroxamic acid derivatives***Tetrahedron Letters 42 (2001) 4605*

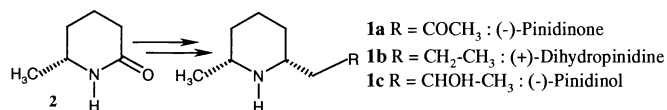
Vincent P. Sandanayaka,* Arie Zask, Aranapakam M. Venkatesan and Jannie Baker

Chemical Sciences, Wyeth-Ayerst Research, Pearl River, NY 10965, USA**Diastereocontrolled reduction of cyclic β-enaminones. A new diastereoselective route to 2,6-disubstituted piperidines***Tetrahedron Letters 42 (2001) 4609*

Stéphanie Fréville, Philippe Delbecq, Vu Moc Thuy, Huguette Petit, Jean Pierre Célérier and Gérard Lhommet*

Université P. & M. Curie, Laboratoire de Chimie des Hétérocycles, associé au CNRS, 4, place Jussieu, F-75252 Paris Cedex 05, France

A new diastereoselective synthesis of 2,6-disubstituted piperidinic alkaloids is presented. Three natural compounds, the (–)-pinidinone **1a**, the (+)-dihydropinidine **1b** and the (–)-pinidinol **1c** were prepared from optically pure (6*R*)-6-methylpiperidin-2-one **2**. This method is based on the diastereoselective reductions of an exocyclic β-amino ketone.

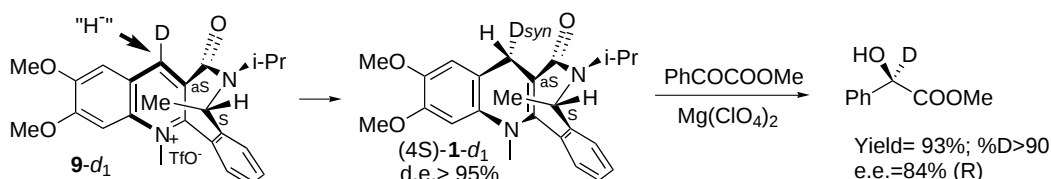


Design of new axially chiral NADH mimics. Mechanistic investigation of the enantioselective hydride transfer

Tetrahedron Letters 42 (2001) 4613

Jean-Luc Vasse, Georges Dupas, Jack Duflos, Guy Quéguiner, Jean Bourguignon and Vincent Levacher*

Laboratoire de Chimie Organique Fine et Hétérocyclique associé au CNRS, IRCOF-INSA, rue Tenières B.P 08 F-76131 Mont Saint Aignan Cedex, France

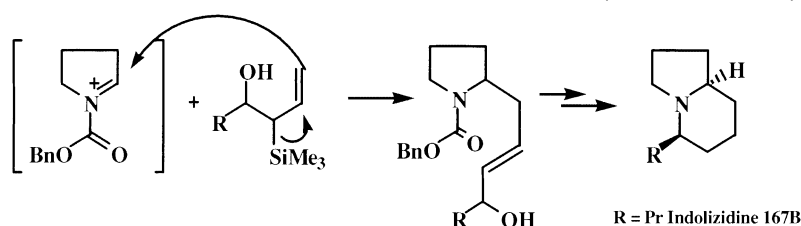


A convenient allylsilane-*N*-acyliminium route toward 5-alkylindolizidines. Diastereoselective synthesis of (±)-indolizidine 167B

Tetrahedron Letters 42 (2001) 4617

Sandrine Peroche, Roland Remuson,* Yvonne Gelas-Mialhe and Jean-Claude Gramain

Chimie des Substances Naturelles, UMR 6504, CNRS et Université Blaise Pascal (Clermont-Ferrand), 63177 Aubière Cedex, France



Hyperaspine, a new 3-oxaquinolizidine alkaloid from *Hyperaspis campestris* (Coleoptera: Coccinellidae)

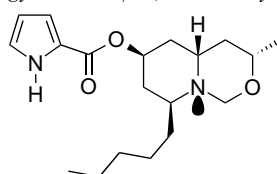
Tetrahedron Letters 42 (2001) 4621

Benjamine Lebrun,^a Jean-Claude Braekman,^{a,*} Désiré Daloze,^{a,*} Plamen Kalushkov^b and Jacques M. Pasteels^c

^aLaboratory of Bio-organic Chemistry CP 160/07, Department of Organic Chemistry, University of Brussels, 50, Av. F. D. Roosevelt, 1050 Brussels, Belgium

^bInstitute of Zoology, Bulgarian Academy of Sciences, Sofia, Bulgaria

^cLaboratory of Animal and Cellular Biology CP 160/12, University of Brussels, 50, Av. F. D. Roosevelt, 1050 Brussels, Belgium



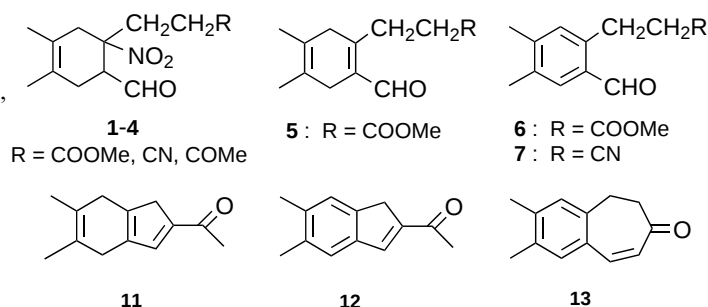
Nitrous acid elimination from 4-alkyl-5-formyl-4-nitrocyclohex-1-enes: synthesis of mono and bicyclic benzene and dihydrobenzene derivatives

Tetrahedron Letters 42 (2001) 4625

M. V. Gil, E. Román* and J. A. Serrano

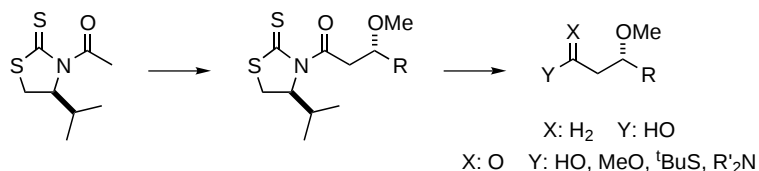
Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Extremadura, 06071 Badajoz, Spain

The formation of new benzene and dihydrobenzene derivatives **5**, **6**, **7**, **11**, **12** and **13** through a nitrous acid elimination from 4-alkyl-5-formyl-4-nitrocyclohex-1-enes **1-4** is discussed.

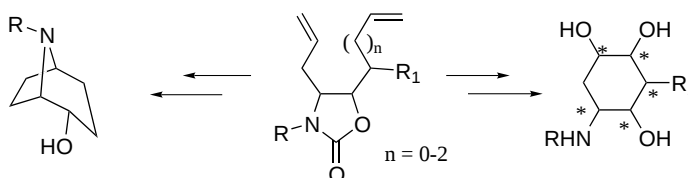


Enantiopure β -methoxy carboxyl derivatives from a chiral titanium enolate and dimethyl acetals*Tetrahedron Letters 42 (2001) 4629*

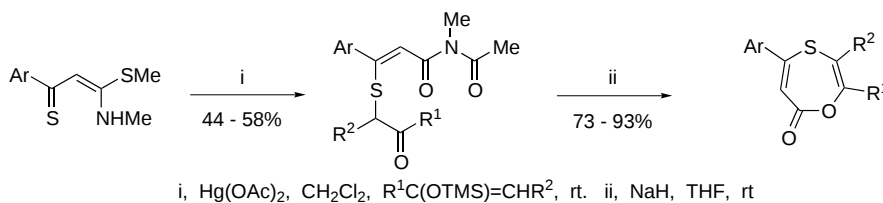
Annabel Cosp, Pedro Romea,* Fèlix Urpí* and Jaume Vilarrasa

Departament de Química Orgànica, Universitat de Barcelona, 08028 Barcelona, Catalonia, Spain**Ring-closing metathesis of diolefinic oxazolidinones: a new access to tropanes and aminocyclitols***Tetrahedron Letters 42 (2001) 4633*

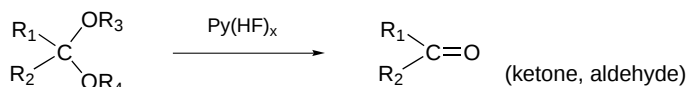
Claude Agami, François Couty* and Nicolas Rabasso

Laboratoire de Synthèse Asymétrique associé au CNRS, Université Pierre et Marie Curie, 4 place Jussieu, 75005 Paris, France**Novel synthesis of 3-alkyl-2,5-diaryl-1,4-oxathiepin-7-ones***Tetrahedron Letters 42 (2001) 4637*

Bo Sung Kim and Kyongtae Kim*

School of Chemistry and Molecular Engineering, Seoul National University, Seoul 151-742, South Korea**Pyridinium poly(hydrogen fluoride)-assisted cleavage of acetals and ketals***Tetrahedron Letters 42 (2001) 4641*

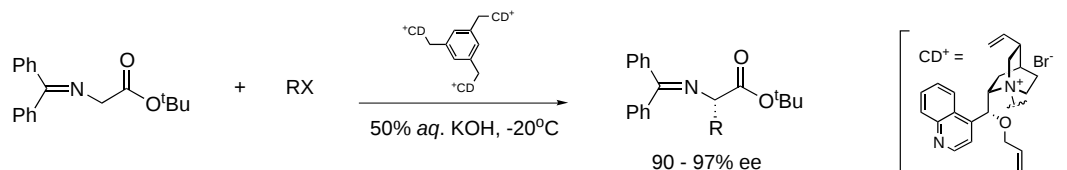
Yutaka Watanabe,* Youko Kiyosawa, Akiko Tatsukawa and Minoru Hayashi

Department of Applied Chemistry, Faculty of Engineering, Ehime University, Matsuyama 790-8577, Japan

Trimeric *Cinchona* alkaloid phase-transfer catalyst: α,α',α'' -tris-[O(9)-allyl]cinchonidinium]mesitylene tribromide

Tetrahedron Letters 42 (2001) 4645

Hyeung-geun Park,* Byeong-seon Jeong, Mi-sook Yoo, Mi-kyoung Park, Hoon Huh and Sang-sup Jew*
College of Pharmacy, Seoul National University, Seoul 151-742, South Korea

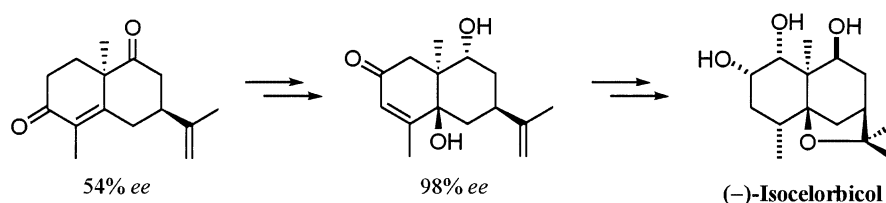


Asymmetric total synthesis of (-)-isocelorbicol, a natural dihydroagarofuran sesquiterpenoid

Tetrahedron Letters 42 (2001) 4649

Wei-Dong Z. Li,* Gang Zhou, Xiaolei Gao and Yulin Li*

National Laboratory of Applied Organic Chemistry and Institute of Organic Chemistry, Lanzhou University, Lanzhou 730000, P.R. China

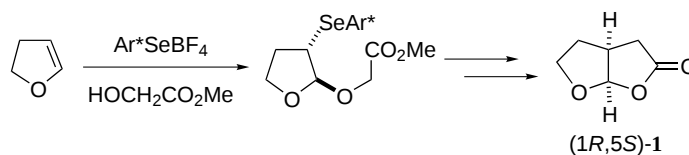


Stereoselective synthesis of optically active perhydrofuro[2,3-b]furan derivatives

Tetrahedron Letters 42 (2001) 4653

Masahiko Uchiyama,* Manabu Hirai, Momoko Nagata, Rui Katoh, Risa Ogawa and Akihiro Ohta

School of Pharmacy, Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan



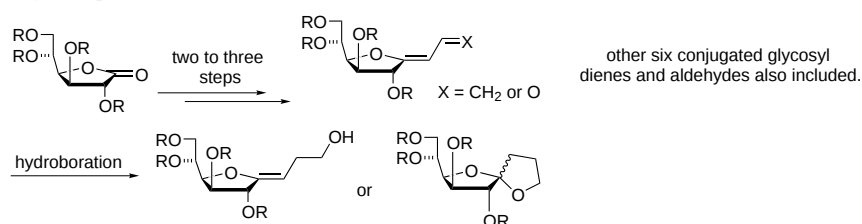
Expedient synthesis of C-glycosyl conjugated dienes and aldehydes from sugar lactones

Tetrahedron Letters 42 (2001) 4657

Wen-Bin Yang,^a Chuan-Fa Chang,^a Shwu-Huey Wang,^b Chin-Fen Teo^a and Chun-Hung Lin^{a,*}

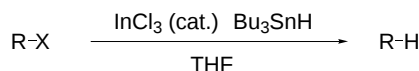
^aInstitute of Biological Chemistry, Academia Sinica, No. 128, Academia Road Section 2, Taipei 11529, Taiwan

^bTaipei Medical University, Taipei, Taiwan

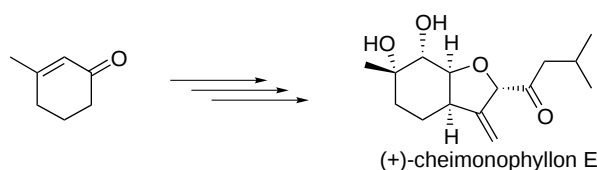


Indium hydride: a novel radical initiator in the reduction of organic halides with tributyltin hydride*Tetrahedron Letters 42 (2001) 4661*

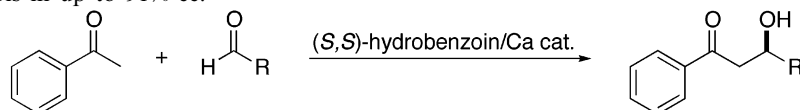
Katsuyuki Inoue, Akemi Sawada, Ikuya Shibata and Akio Baba*

Department of Molecular Chemistry, Graduate School of Engineering, Osaka University, 2-1 Yamada-Oka, Suita, Osaka 565-0871, Japan**Total synthesis of (+)-cheimonophyllon E, a bisabolane sesquiterpenoid***Tetrahedron Letters 42 (2001) 4665*

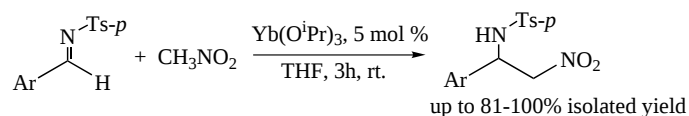
Ken-ichi Takao, Manabu Hara, Tomohiro Tsujita, Ken-ichi Yoshida and Kin-ichi Tadano*

Department of Applied Chemistry, Keio University, Hiyoshi, Kohoku-ku, Yokohama 223-8522, Japan**Catalytic asymmetric aldol reaction of ketones and aldehydes using chiral calcium alkoxides***Tetrahedron Letters 42 (2001) 4669*Takeyuki Suzuki,^{a,b} Noriyuki Yamagiwa,^{a,b} Yoshimi Matsuo,^b Shigeru Sakamoto,^c Kentaro Yamaguchi,^c Masakatsu Shibasaki^a and Ryoji Noyori^{b,*}^a*Graduate School of Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*^b*Department of Chemistry and Research Center for Materials Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan*^c*Chemical Analysis Center, Chiba University, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan*

A chiral hydrobenzoin/Ca complex catalyzes the reaction of acetophenone and aliphatic aldehydes to give the corresponding aldols in up to 91% ee.

**Yb(OⁱPr)₃, a highly efficient catalyst for the nitro-Mannich reaction***Tetrahedron Letters 42 (2001) 4673*

Changtao Qian,* Feifeng Gao and Ruifang Chen

State Key Laboratory Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Science, 354 Fenglin Lu, Shanghai 200032, China

Biotransformation of 2 α ,5 α ,10 β ,14 β -tetra-acetoxy-4(20), 11-taxadiene by *Ginkgo* cell suspension cultures

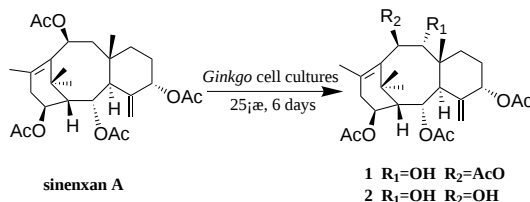
Tetrahedron Letters 42 (2001) 4677

Jungui Dai,^a Hongzhu Guo,^a Dandan Lu,^a Weihua Zhu,^b Dayong Zhang,^b Junhua Zheng^a and Dean Guo^{a,*}

^aThe State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, Xueyuan Road #38, Beijing 100083, PR China

^bInstitute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College, Xiannong Tan Street #1, Beijing 100050, PR China

Two new compounds were obtained from 2 α ,5 α ,10 β ,14 β -tetra-acetoxy-4(20), 11-taxadiene by selective biotransformation using *Ginkgo* cell suspension cultures.



Chabrolols A, B and C, three new norditerpenes from the soft coral *Nephthea chabroli*

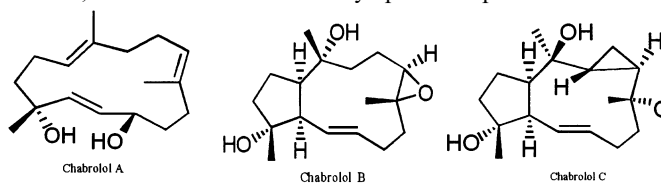
Tetrahedron Letters 42 (2001) 4681

Wei-Han Zhang,^a Ian D. Williams^a and Chun-Tao Che^{a,b,*}

^aDepartment of Chemistry, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong

^bSchool of Chinese Medicine, the Chinese University of Hong Kong, Shatin, Hong Kong

The structures of chabrolols A, and C were elucidated by spectroscopic methods and confirmed by X-ray crystallographic analysis.



Unexpected formation of derivatives of cyclobutene and thiacyclobutane from the reaction between dilithiated benzylacetylene and isothiocyanates

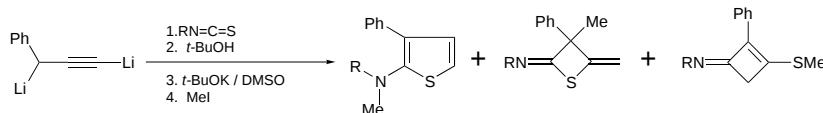
Tetrahedron Letters 42 (2001) 4687

Lambert Brandsma,^{a,*} Anthony L. Spek,^b Boris A. Trofimov,^c Ol'ga A. Tarasova,^c Nina A. Nedolya,^c Andrei V. Afonin^c and Sergei V. Zinshenko^c

^aJulianalaan 273, 3722 GN Bilthoven, The Netherlands

^bDepartment of Structural Chemistry of the University, Bijvoet Institute, Padualaan 8, 3584 CH Utrecht, The Netherlands

^cA.E. Favorsky Institute of Chemistry of the Russian Academy of Sciences, Siberian Branch, Favorsky Street 1, 664033 Irkutsk, Russia



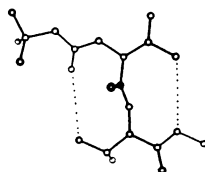
Crystallographic characterisation of novel β -turn like folds in a model peptide: stabilisation by main-chain to side-chain interactions

Tetrahedron Letters 42 (2001) 4691

A. K. Thakur and R. Kishore*

Institute of Microbial Technology, Sector 39-A, Chandigarh 160 036, India

The X-ray crystal structure analysis of the model peptide Boc-Thr-Thr-OCH₃ reveals the existence of an overall significantly 'flat' conformation, stabilised by two non-conventional and two conventional main-chain to side-chain intramolecular hydrogen bonding interactions.

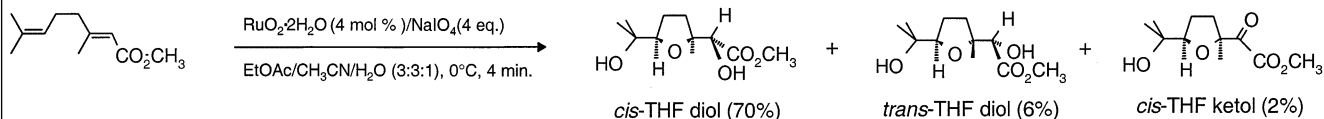


Improved RuO₄-catalysed oxidative cyclisation of geraniol-type 1,5-dienes to *cis*-2,5-bis(hydroxymethyl)tetrahydrofuryldiols

Tetrahedron Letters 42 (2001) 4695

Vincenzo Piccialli* and Nicola Cavallo

Dipartimento di Chimica Organica e Biochimica, Università degli Studi di Napoli, 'Federico II', Via Cynthia 4, 80126 Naples, Italy



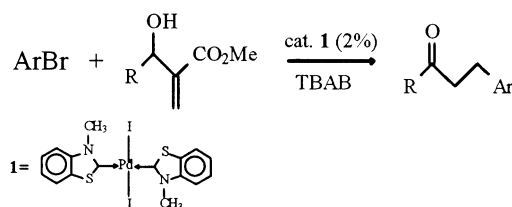
Arylation of α -substituted acrylates in ionic liquids catalyzed by a Pd-benzothiazole carbene complex

Tetrahedron Letters 42 (2001) 4701

Vincenzo Calò,* Angelo Nacci, Luigi Lopez and Annalisa Napola

Centro CNR 'MISO', Dipartimento di Chimica, Università di Bari, Via Amendola, 173-70126 Bari, Italy

The Pd-catalyst with benzothiazole carbene as ligands (**1**) allows, in tetrabutylammonium bromide melt as solvent, very fast and efficient reactions of bromoaromatics with 3-hydroxy-2-methylenealkanoates to give β -arylketones.



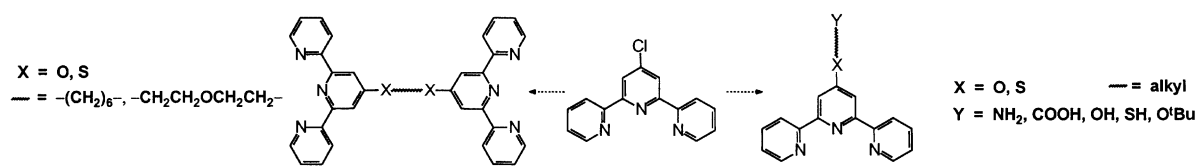
4'-Functionalized 2,2':6',2''-terpyridines as building blocks for supramolecular chemistry and nanoscience

Tetrahedron Letters 42 (2001) 4705

Ulrich S. Schubert,^{a,b,*} Christian Eschbaumer,^{a,b} Oliver Hien^b and Philip R. Andres^a

^aLaboratory of Macromolecular and Organic Chemistry, Eindhoven University of Technology, PO Box 513, 5600 MB Eindhoven, The Netherlands

^bLehrstuhl für Makromolekulare Stoffe, Technische Universität München, Lichtenbergstrasse 4, 85747 Garching, Germany



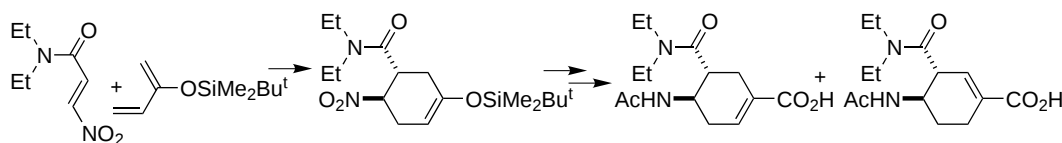
Synthesis of (4*R**,5*R**)-4-acetylamino-5-diethylcarbamoylcyclohex-1-ene-1-carboxylic acid and (3*R**,4*R**)-4-acetylamino-3-diethylcarbamoylcyclohex-1-ene-1-carboxylic acid: new inhibitors of influenza virus sialidases

Tetrahedron Letters 42 (2001) 4709

Sean A. Kerrigan,^a Paul W. Smith^b and Richard J. Stoodley^{a,*}

^aDepartment of Chemistry, UMIST, PO Box 88, Manchester M60 1QD, UK

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



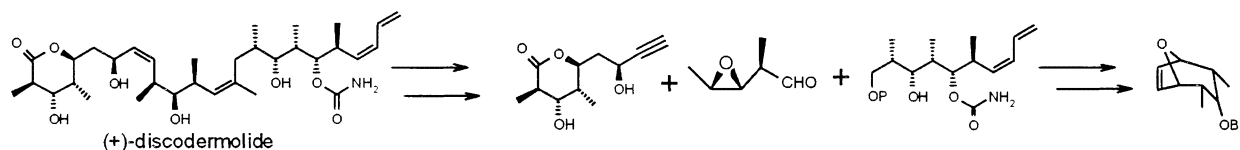
Towards the synthesis of (+)-discodermolide

Tetrahedron Letters 42 (2001) 4713

J. S. Yadav,^{a,*} Sunny Abraham,^a M. Muralidhar Reddy,^a
Gowravaram Sabitha,^a A. Ravi Sankar^b and A. C. Kunwar^b

^aDivision of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500 007, India

^bCentre for nuclear magnetic resonance, Indian Institute of Chemical Technology, Hyderabad, India

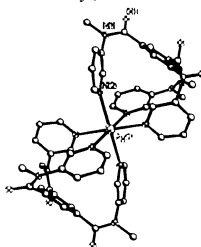


A new prearranged tripodant ligand *N,N',N''*-trimethyl-*N,N',N''*-tris(3-pyridyl)-1,3,5-benzene tricarboxamide is easily obtained via the *N*-methyl amide effect

Tetrahedron Letters 42 (2001) 4717

Mikkel Jørgensen* and Frederik C. Krebs

The Danish Polymer Centre, Riso National Laboratory, PO Box 49, DK-4000 Roskilde, Denmark



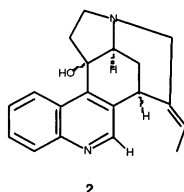
Voastriectine, a novel pentacyclic quinolinic alkaloid from *Tabernaemontana*

Tetrahedron Letters 42 (2001) 4721

Toh-Seok Kam,* Kooi-Mow Sim and Tuck-Meng Lim

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

A novel pentacyclic quinolinic alkaloid, voastriectine **2**, was obtained from *Tabernaemontana corymbosa* and its structure elucidated by spectral analysis.



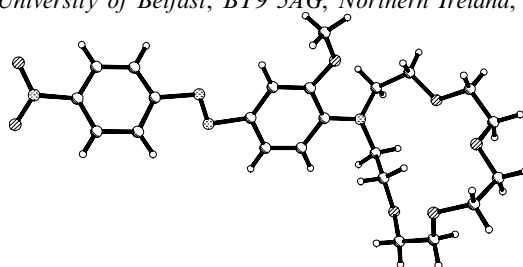
A novel optically based chemosensor for the detection of blood Na⁺

Tetrahedron Letters 42 (2001) 4725

Thorfinnur Gunnlaugsson,^{a,*} Mark Nieuwenhuyzen,^b Ludovic Richard^a
and Vera Thoss^a

^aDepartment of Chemistry, Trinity College Dublin, Dublin 2, Ireland

^bSchool of Chemistry, Queen's University of Belfast, BT9 5AG, Northern Ireland, UK



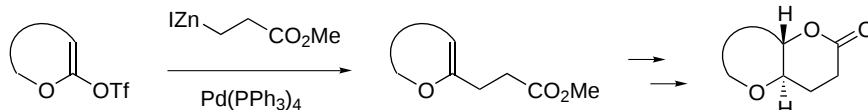
Concise synthesis of cyclic ethers via the palladium-catalyzed coupling of ketene acetal triflates and a zinc homoenolate. Synthesis of the DE and GH ring segments of gambierol

Tetrahedron Letters 42 (2001) 4729

Isao Kadota,^a Hiroyoshi Takamura,^b Kumi Sato^b and Yoshinori Yamamoto^{b,*}

^aResearch Center for Sustainable Materials Engineering, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai 980-8578, Japan

^bDepartment of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan

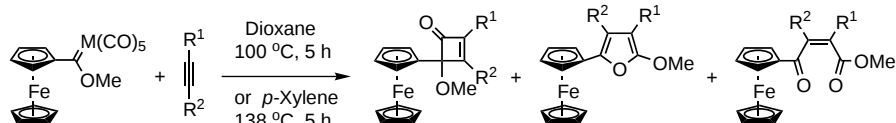


Reaction of ferrocenylcarbene complexes of Cr, Mo and W with alkynes: synthesis of ferrocenylcyclobutenones, ferrocenylfurans and ferrocenylketoesters

Tetrahedron Letters 42 (2001) 4733

Metin Zora* and Elif Ünsal Güngör

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

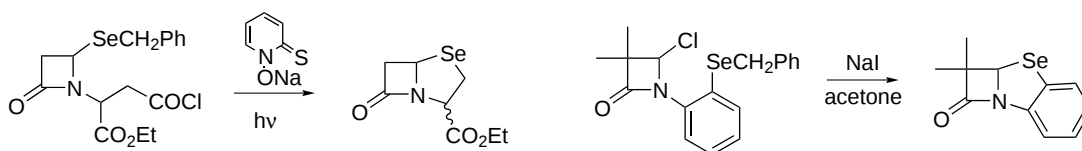


Nucleophilic and radical chemistry of benzylselenides: preparation of novel selenocephems and selenopenams

Tetrahedron Letters 42 (2001) 4737

Michael W. Carland, Robyn L. Martin and Carl H. Schiesser*

School of Chemistry, The University of Melbourne, Victoria 3010, Australia



Substrate-modifier but not catalyst-modifier: heterogeneous hydrogenation of C=O and C=C using cinchonidine

Tetrahedron Letters 42 (2001) 4741

A. Solladié-Cavallo,^{a,*} C. Marsol,^{a,b} F. Hoernel^{a,b} and F. Garin^b

^aLaboratoire de stéréochimie organométallique associé au CNRS, ECPM/Université L. Pasteur, 25 rue Becquerel, 67087 Strasbourg Cedex 02, France

^bLERCSI, ECPM/Université Louis Pasteur, 25 rue Becquerel, 67087 Strasbourg Cedex 02, France

