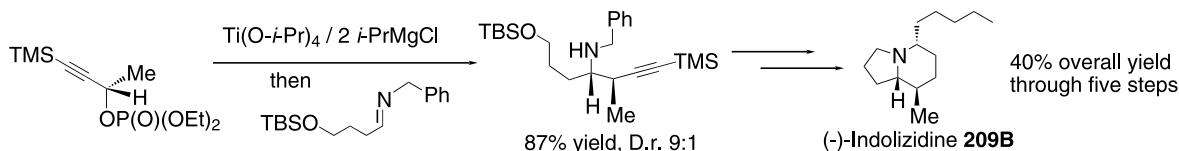


A concise asymmetric synthesis of 5,8-disubstituted indolizidine alkaloids. Total synthesis of (-)-indolizidine 209B

Tetrahedron Letters 43 (2002) 8635

Yongcheng Song, Sentaro Okamoto and Fumie Sato*

Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259, Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226-8501, Japan

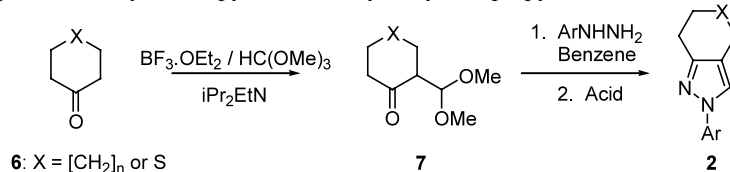


Efficient syntheses of 2-(2,6-dichloro-4-trifluoromethyl-phenyl)-tetrahydrocyclopenta, tetrahydrothiopyrano, hexahydrocyclohepta-pyrazoles and tetrahydroindazoles

Tetrahedron Letters 43 (2002) 8639

Sanath K. Meegalla,* Dario Doller, Ruiping Liu, Deyou Sha, Richard M. Soll and Dale S. Dhanoa
3-Dimensional Pharmaceuticals, Inc. 665 Stockton Drive, Suite 104, Exton, PA 19341, USA

Versatile and efficient routes are described for the regiospecific syntheses of 2-(2,6-dichloro-4-trifluoromethyl-phenyl)tetrahydrocyclopenta, tetrahydrothiopyrano, hexahydrocycloheptapyrazoles and tetrahydroindazoles.

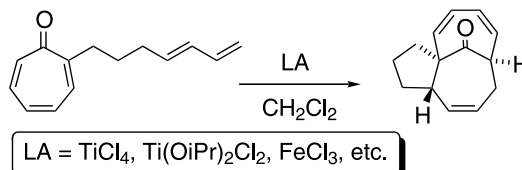


Construction of the ingenane core using an Fe(III) or Ti(IV) Lewis acid-catalyzed intramolecular [6+4] cycloaddition

Tetrahedron Letters 43 (2002) 8643

James H. Rigby* and Mike Fleming

Department of Chemistry, Wayne State University, Detroit, MI 48202-3489, USA



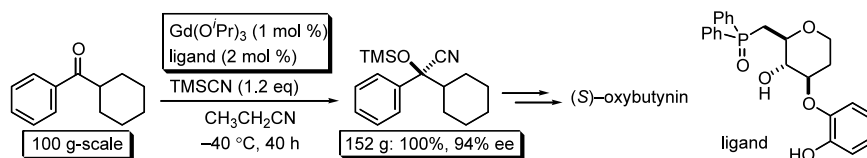
A practical synthesis of (S)-oxybutynin

Tetrahedron Letters 43 (2002) 8647

Shuji Masumoto,^a Masato Suzuki,^a Motomu Kanai^{a,b} and Masakatsu Shibasaki^{a,*}

^aGraduate School of Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

^bPRESTO, Japan Science and Technology Corporation (JST), Japan

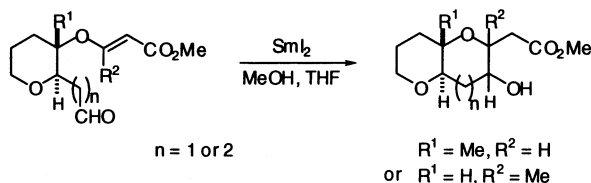


Further study on SmI_2 -induced reductive intramolecular cyclization: synthesis of polycyclic ethers having an angular methyl group

Keisuke Suzuki,^a Hiroko Matsukura,^b Goh Matsuo,^b Hiroyuki Koshino^b and Tadashi Nakata^{a,b,*}

^aGraduate School of Science and Technology, Saitama University, Saitama, Saitama 338-8570, Japan

^bRIKEN (The Institute of Physical and Chemical Research), Wako, Saitama 351-0198, Japan

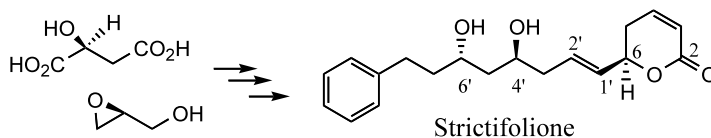


First total synthesis and determination of the absolute configuration of strictifolione, a new 6-(ω -phenylalkenyl)-5,6-dihydro- α -pyrone, isolated from *Cryptocarya strictifolia*

Lia Dewi Juliawaty,^{a,b} Yoshimi Watanabe,^a Mariko Kitajima,^a Sjamsul Arifin Achmad,^b Hiromitsu Takayama^{a,*} and Norio Aimi^a

^aGraduate School of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan

^bChemistry Department, Institut Teknologi Bandung, Jl. Ganeca 10, Bandung 40132, Indonesia

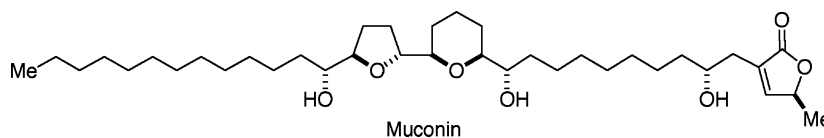


Total synthesis of muconin

Shunya Takahashi,^{a,*} Akemi Kubota^b and Tadashi Nakata^{a,b}

^aRIKEN (The Institute of Physical and Chemical Research), Wako-shi, Saitama, 351-0198, Japan

^bGraduate School of Science and Engineering, Saitama University, Saitama, Saitama 338-8570, Japan



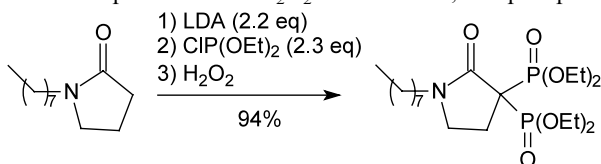
A one-flask synthesis of α,α -bisphosphonates via enolate chemistry

Yanming Du,^a Kang-Yeoun Jung^{a,b} and David F. Wiemer^{a,*}

^aDepartment of Chemistry, University of Iowa, Iowa City, IA 52242-1294, USA

^bDepartment of Environmental and Applied Chemistry, Kangnung National University, Kangnung, Kangwon-Do, South Korea

Treatment of several carbonyl compounds with excess base and diethyl phosphorochloridite resulted in formation of two C–P bonds, and oxidation of the initial product with H_2O_2 affords an α,α -bisphosphonate in a one-flask protocol.

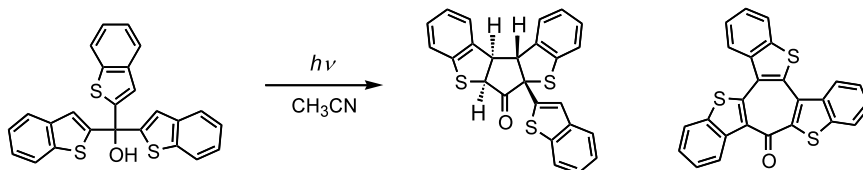


Novel intramolecular photocyclization of tris(2-benzo[*b*]thienyl)-methyl alcohol

Tetrahedron Letters 43 (2002) 8669

Naoki Tanifuji, Honghua Huang, Yoko Shinagawa and Keiji Kobayashi*

Department of Chemistry, Graduate School of Arts and Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo 153-8902, Japan



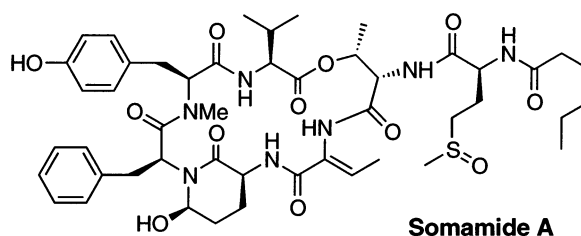
Total synthesis of somamide A, an Ahp (3-amino-6-hydroxy-2-piperidone)-containing cyclic depsipeptide

Tetrahedron Letters 43 (2002) 8673

Fumiaki Yokokawa and Takayuki Shioiri*

Graduate School of Pharmaceutical Sciences, Nagoya City University, Tanabe-dori, Mizuho-ku, Nagoya 467-8603, Japan

The first synthesis of somamide A from a marine cyanobacteria was achieved through the final installation of the Ahp moiety by oxidation with IBX.

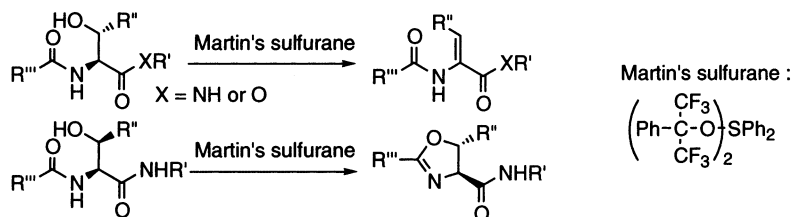


Novel stereospecific dehydration of β -hydroxy- α -amino acids using Martin's sulfurane

Tetrahedron Letters 43 (2002) 8679

Fumiaki Yokokawa and Takayuki Shioiri*

Graduate School of Pharmaceutical Sciences, Nagoya City University, Tanabe-dori, Mizuho-ku, Nagoya 467-8603, Japan

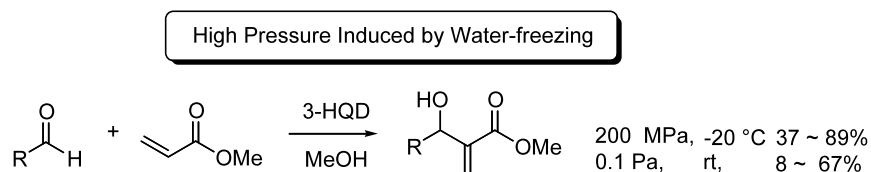


The Baylis–Hillman reaction under high pressure induced by water-freezing

Tetrahedron Letters 43 (2002) 8683

Yujiro Hayashi,* Kotaro Okado, Itaru Ashimine and Mitsuru Shoji

Department of Industrial Chemistry, Faculty of Engineering, Tokyo University of Science, Kagurazaka, Shinjuku-ku, Tokyo 162-8601, Japan



Heterolytic decarboxylation involving acyltrifluoroacetyl peroxide intermediates

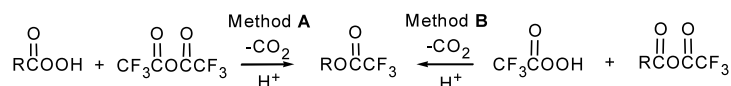
Tetrahedron Letters 43 (2002) 8687

Pavel A. Krasutsky,^{a,*} Igor V. Kolomitsyn,^a Evgenij M. Botov,^b Robert M. Carlson,^c Irina G. Semenova^b and Andrey A. Fokin^b

^aNatural Resources Research Institute, 5013 Miller Trunk Highway, Duluth, MN 55811-1442, USA

^bDepartment of Chemistry, National Technical University of Ukraine 'Kiev Polytechnic Institute', 03056 Kiev, 37 Pobeda Ave, Ukraine

^cDepartment of Chemistry, University of Minnesota Duluth, 10 University Drive, Duluth, MN 55812, USA

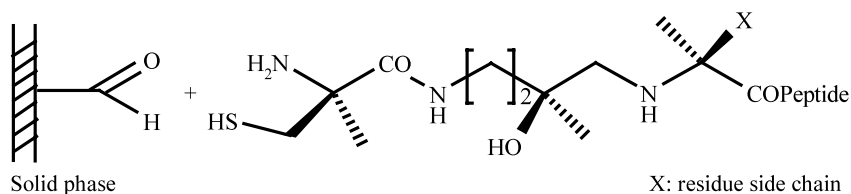


Covalent capture purification of polypeptides after SPPS via a linker removable under very mild conditions

Tetrahedron Letters 43 (2002) 8693

Jean Vizzavona, Matteo Villain and Keith Rose*

Department of Medicinal Chemistry, University Medical Center, Rue Michel-Servet 1, CH-1211 Geneva 4, Switzerland

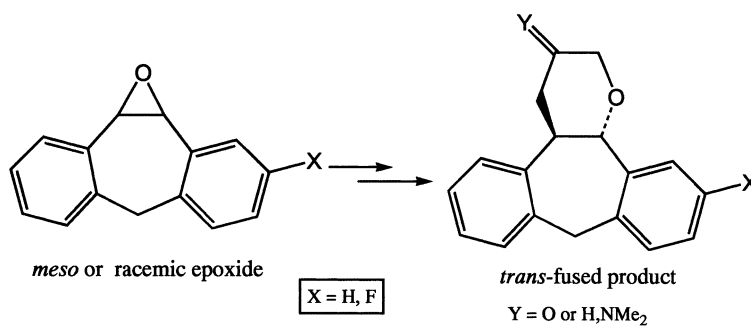


Diastereoselective synthesis of *trans*-fused tetrahydropyran derivatives of 5*H*-dibenzo[*a,d*]cycloheptene

Tetrahedron Letters 43 (2002) 8697

Hua Mao, Mohamed Koukni, Tomasz Kozlecki, Frans Compennolle* and Georges J. Hoornaert

Laboratorium voor Organische Synthese, K.U. Leuven, Celestijnenlaan 200F, B-3001 Leuven, Belgium

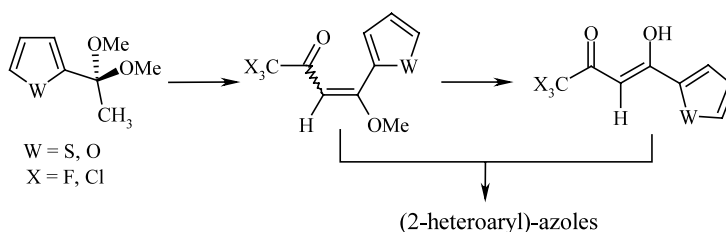


Synthesis of 1,1,1-trihalo-4-methoxy-4-[2-heteroaryl]-3-buten-2-ones, the corresponding butan-1,3-dione and azole derivatives

Tetrahedron Letters 43 (2002) 8701

Alex F. C. Flores,* Sergio Brondani, Nilo Zanatta, Adriano Rosa and Marcos A. P. Martins*

Departamento de Química, Universidade Federal de Santa Maria, Campus Camobi, Santa Maria, 97105 900 RS, Brazil



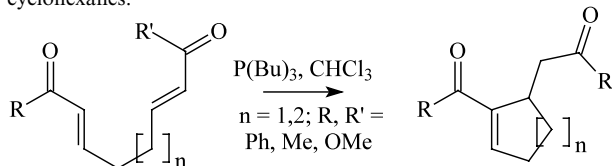
Tandem Michael/Michael reactions mediated by phosphines or aryl thiolates

Tetrahedron Letters 43 (2002) 8707

Paul M. Brown, Nina Käppel and Patrick J. Murphy*

Department of Chemistry, University of Wales, Bangor, Gwynedd LL57 2UW, UK

tri-n-Butyl phosphine was found to effect tandem Michael/Michael cyclisations leading to the formation of cyclopentenes and cyclohexenes in good yields, whilst *p*-TolSH in conjunction with a catalytic amount of *p*-TolSNa effected cyclisation to the corresponding cyclopentanes and cyclohexanes.

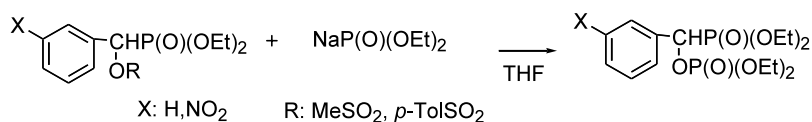


Reactions of diethyl mesyl- or tosyloxyphosphonates with diethyl phosphite and base: a method claimed to yield bisphosphonates

Tetrahedron Letters 43 (2002) 8711

Erik Årstad and Lars Skattebøl*

Department of Chemistry, University of Oslo, POB 1033 Blindern, 0315 Oslo, Norway

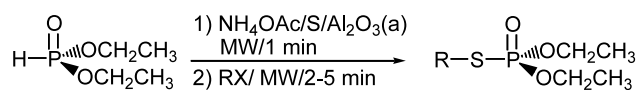


A simple and new method for the synthesis of thiophosphates

Tetrahedron Letters 43 (2002) 8713

Babak Kaboudin*

Department of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Gava Zang, Zanjan 45195-159, Iran

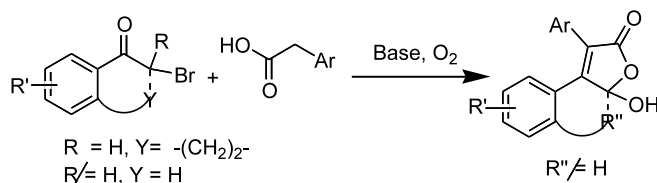


A simple and rapid entry to 5-alkyl (aryl)-5-hydroxy-3,4-diarylfuranones and 3a-hydroxy-1-aryl-2,3a,4,5-tetrahydronaphthofuranones via a tandem esterification and oxidative cyclization process

Tetrahedron Letters 43 (2002) 8715

Srinivas Padakanti, Venugopal Rao Veeramaneni, Vijaya Raghavan Pattabiraman, Manojit Pal* and Koteswar Rao Yeleswarapu*

Chemistry-Discovery Research, Dr. Reddy's Laboratories Ltd, Bollaram Road, Miyapur, Hyderabad 500050, India



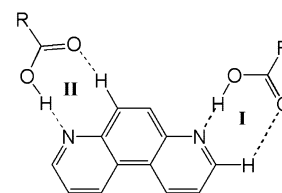
Co-crystal structures of 4,7-phenanthroline and carboxylic acids: synthon competition and prediction

Tetrahedron Letters 43 (2002) 8721

Ning Shan, Elaine Batchelor and William Jones*

Department of Chemistry, University of Cambridge, Lensfield Road,
Cambridge CB2 1EW, UK

The competition of supramolecular synthons **I** and **II** in the co-crystal structures of 4,7-phenanthroline and various carboxylic acids has been studied.

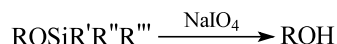


A mild and efficient approach for the deprotection of silyl ethers by sodium periodate

Tetrahedron Letters 43 (2002) 8727

Mijuan Wang, Chun Li, Dali Yin* and Xiao-Tian Liang

Institute of Materia Medica, Peking Union Medical College and Chinese Academy of Medical Sciences,
Beijing 100050, PR China



R = Taxane, beta-lactam, *N*-benzoyl-phenylisoserine methyl ester etc.

R'R''R'''SiO = various silyl ether protecting groups

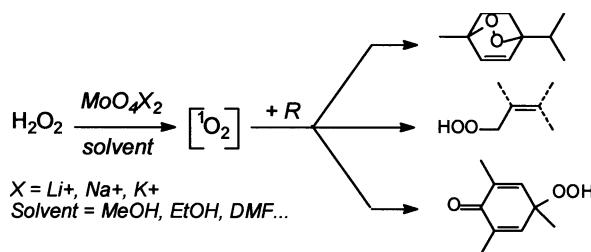
Singlet oxygen generation from H₂O₂/MoO₄²⁻: peroxidation of hydrophobic substrates in pure organic solvents

Tetrahedron Letters 43 (2002) 8731

Véronique Nardello,^a Stéphane Bogaert,^a Paul L. Alsters^b
and Jean-Marie Aubry^{a,*}

^aLCOM, Equipe de Recherches 'Oxydation et Formulation',
UMR CNRS 8009, ENSCL, BP 108 F-59652
Villeneuve d'Ascq Cedex, France

^bDSM Fine Chemicals-Advanced Synthesis & Catalysis,
PO Box 18, 6160 MD Geleen, The Netherlands



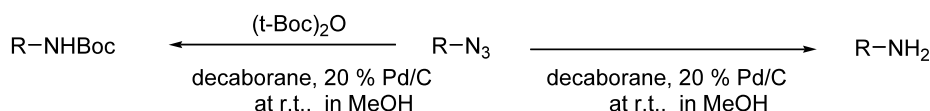
Chemoselective conversion of azides to *t*-butyl carbamates and amines

Tetrahedron Letters 43 (2002) 8735

Yeon Joo Jung, Yu Mi Chang, Ji Hee Lee and Cheol Min Yoon*

Graduate School of Biotechnology, Korea University, Sungbookgu Anamdong 1, 5 ga, Seoul, South Korea

Azides were converted to the corresponding carbamates using decaborane and Pd/C system in the presence of *t*-Boc₂O and to the corresponding amines using decaborane and Pd/C system.



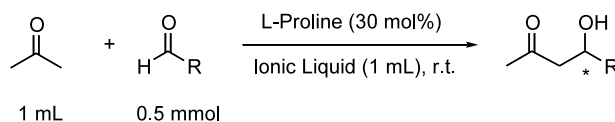
L-Proline in an ionic liquid as an efficient and reusable catalyst for direct asymmetric aldol reactions

Tetrahedron Letters 43 (2002) 8741

Teck-Peng Loh,^{a,*} Li-Chun Feng,^b Hai-Yan Yang^a and Jian-Ying Yang^a

^aDepartment of Chemistry, National University of Singapore, 3 Science Drive 3, Singapore 117543

^bInstitute of Chemical and Engineering Sciences, Ayer Rajah Crescent, Blk 28, 02-08, Singapore 139959

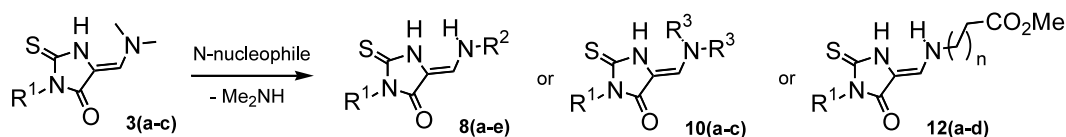


A practical and eco-friendly synthesis of stereocontrolled alkylaminomethylidene derivatives of 2-thiohydantoins by dimethylamine substitution

Tetrahedron Letters 43 (2002) 8745

Jean-René Chérouvrier, François Carreaux and Jean Pierre Bazureau*

Université de Rennes 1, Institut de Chimie, Synthèse et Electrosynthèse Organiques 3, UMR 6510, Bât. 10A, Campus de Beaulieu, Avenue du Général Leclerc, CS 74205, 35042 Rennes Cedex, France



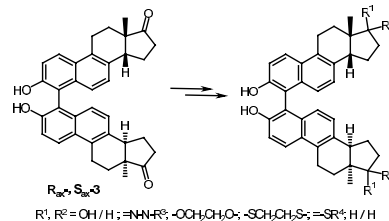
A new family of substituted steroidal BINOL-type ligands

Tetrahedron Letters 43 (2002) 8751

Matthias F. Schneider,* Michael Harre and Christian Pieper

Process Research, Schering AG-Berlin, Müllerstraße 170–178, D-13342 Berlin, Germany

The short and high yielding synthesis of a new family of substituted bissteroidal BINOL-type ligands employing the bisketone derivatives **R_{ax}-**, **S_{ax}-3** as the centre point of a 'chemical modular construction system' is reported.



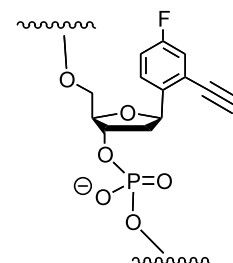
Oligonucleotides containing a nucleotide analog with an ethynylfluorobenzene as nucleobase surrogate

Tetrahedron Letters 43 (2002) 8755

Niels Griesang and Clemens Richert*

Department of Chemistry, University of Constance, Universitätsstraße 10, D-78457 Konstanz, Germany

Oligonucleotides containing an ethynylfluorobenzene ring as nucleobase surrogate were prepared and were found to form duplexes where an adenine faces this surrogate.



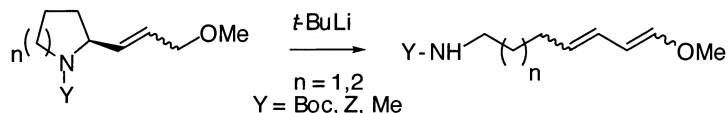
Pyrrolidinic and piperidinic ring fission by conjugate elimination

Tetrahedron Letters 43 (2002) 8759

Francesco Acquadro,^{a,b} Hassan Oulyadi,^a Paolo Venturello^b and Jacques Maddaluno^{a,*}

^aUMR 6014 CNRS, IRCOF, Université de Rouen, 76821 Mont St Aignan Cedex, France

^bDipartimento di Chimica Generale ed Organica Applicata, Università di Torino, Corso Massimo D'Azeglio, 48-10125 Torino, Italy

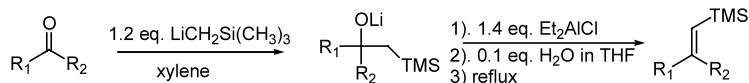


A convenient one-pot, organoaluminum mediated vinylsilane synthesis from non-enolizable ketones via the Peterson protocol

Tetrahedron Letters 43 (2002) 8765

Man Lung Kwan* and Merle A. Battiste

Department of Chemistry, University of Florida, Gainesville, FL 32611, USA



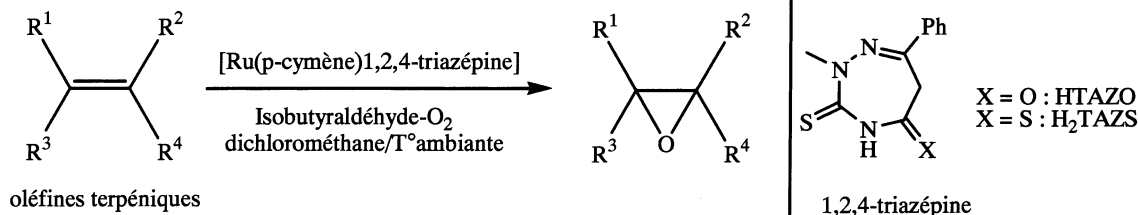
Epoxydation aerobique des terpenes naturels: etude de l'activite catalytique des nouveaux complexes Ru-1,2,4-triazepines

Tetrahedron Letters 43 (2002) 8769

Naïma Fdil^a, My Youssef Ait Itto^a, Mustapha Ait Ali^{a,*}, Abdellah Karim^a and Jean-Claude Daran^b

^aDépartement de Chimie, Faculté des Sciences Semlalia, BP 2390 Marrakech, Maroc

^bLaboratoire de Chimie de Coordination, 205 route de Narbonne, 31077 Toulouse Cedex 04, France

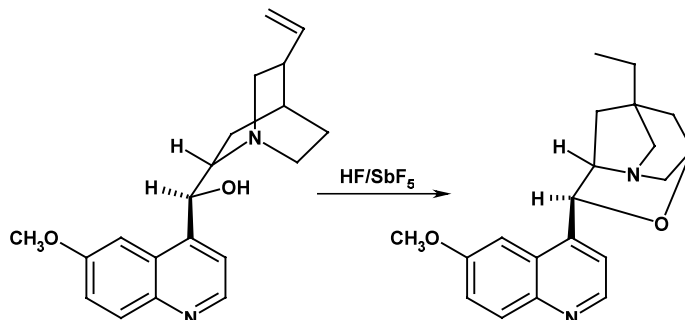


Rearrangement of quinine in superacid: an efficient access to a novel chiral heterocyclic system

Tetrahedron Letters 43 (2002) 8773

Sébastien Thibaudeau, Bruno Violeau, Agnès Martin-Mingot, Marie-Paule Jouannetaud and Jean-Claude Jacques*

Laboratoire 'Synthèse et Réactivité des Substances Naturelles', UMR 6514, 40, Avenue du Recteur Pineau, F-86022 Poitiers Cedex, France



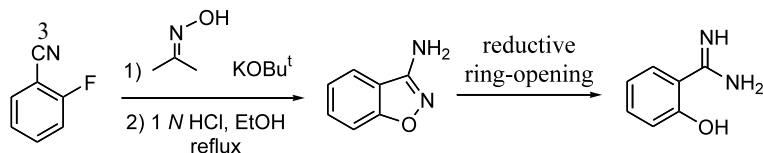
Preparation of 2-hydroxybenzamidines from 3-aminobenzisoxazoles

Tetrahedron Letters 43 (2002) 8777

Salvatore D. Lepore, Aaron L. Schacht and Michael R. Wiley*

Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285, USA

Reductive ring-opening of 3-amino-benzisoxazoles was accomplished chemoselectively and in high yields and purities using catalytic hydrogenation, Zn/AcOH, or NiCl₂/NaBH₄.



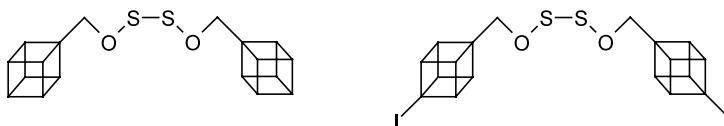
Dialkoxy disulfides from cubycarbinols

Tetrahedron Letters 43 (2002) 8781

Ronny Prierer, Patrick G. Farrell and David N. Harpp*

Department of Chemistry, McGill University, Montreal, Quebec, Canada H3A 2K6

Two dialkoxy disulfides from cubylcarbinols have been synthesized and represent the first examples of non-benzylic disulfides that liberate diatomic sulfur upon heating.



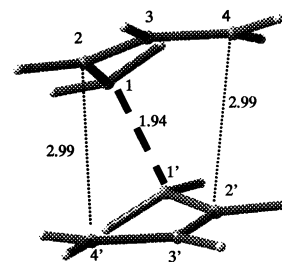
Merging and bifurcation of 4+2 and 2+4 cycloaddition modes in the archetypal dimerization of butadiene. A case of competing bispericyclic, pericyclic and diradical paths

Tetrahedron Letters 43 (2002) 8785

Paolo Quadrelli,^a Silvano Romano,^b Lucio Toma^a and Pierluigi Caramella^{a,*}

^aDipartimento di Chimica Organica, Università degli Studi di Pavia, Viale Taramelli 10, 27100 Pavia, Italy

^bIstituto Nazionale per la Fisica della Materia e Dipartimento di Fisica 'A. Volta', Università degli Studi di Pavia, Via Bassi 6, 27100 Pavia, Italy



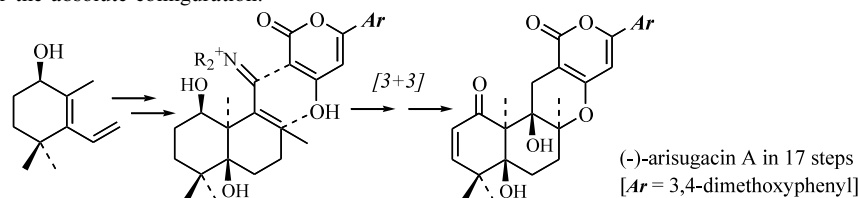
The first enantioselective total synthesis of (-)-arisugacin A

Tetrahedron Letters 43 (2002) 8791

Kevin P. Cole and Richard P. Hsung*

Department of Chemistry, University of Minnesota, Minneapolis, MN 55455, USA

The first enantioselective synthesis of (-)-arisugacin A in 17 steps is described here, featuring a CBS asymmetric ketone reduction and a highly stereoselective formal [3+3] cycloaddition approach. This concise synthesis of the enantiomer unambiguously confirms the original assignment of the absolute configuration.



An efficient synthesis of δ -amino[3- ^{13}C]levulinic acid

Tetrahedron Letters 43 (2002) 8795

Yasuhiro Kajiwara and A. Ian Scott*

Center for Biological NMR, Department of Chemistry, Texas A&M University, College Station, TX 77843-3255, USA

A new, convenient and improved synthesis of [3- ^{13}C]ALA, with 62% overall yield in six steps, is described.

