

Chemo- and stereoselective epoxidation of 12,13-desoxyepothilone B using 2,2'-dimethyldioxirane

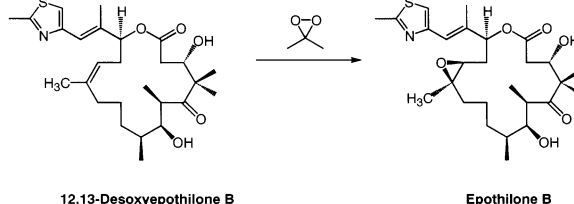
Tetrahedron Letters 42 (2001) 6785

Shawn J. Stachel^a and Samuel J. Danishefsky^{a,b,*}

^aLaboratory for Bioorganic Chemistry, The Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021, USA

^bDepartment of Chemistry, Columbia University, Havemeyer Hall, New York, NY 10027, USA

Epoxidation of 12,13-desoxyepothilone B (dEpoB) to epothilone B (EpoB), using DMDO, reproducibly gives excellent stereoselectivity with high confidence and yield.



Remarkable stereoselectivity in the alkylation of a hydroazulenone: progress towards the total synthesis of guanacastepene

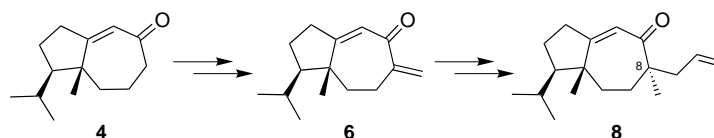
Tetrahedron Letters 42 (2001) 6789

Gregory B. Dudley,^a Derek S. Tan,^a Guncheol Kim,^a Joseph M. Tanski^b and Samuel J. Danishefsky^{a,b,*}

^aLaboratory for Bioorganic Chemistry, Sloan-Kettering Institute for Cancer Research, 1275 York Ave., New York, NY 10021, USA

^b*Department of Chemistry, Columbia University, Havemeyer Hall, 3000 Broadway, New York, NY 10027, USA*

The C8 quaternary center of guanacastepene is installed in cycloheptenone **8** from hydroazulene **4** via *exo*-methylene ketone **6**.



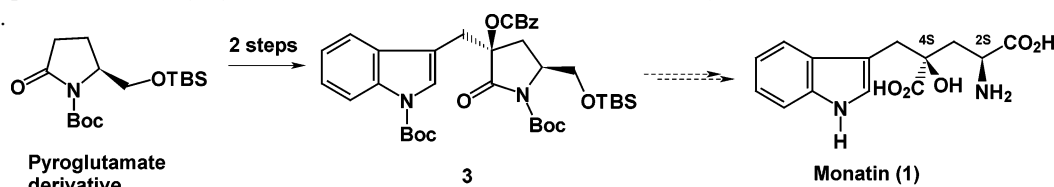
Diastereoselective formation of a quaternary center in a pyroglutamate derivative. Formal synthesis of Monatin

Tetrahedron Letters 42 (2001) 6793

Davi de Jesus Oliveira and Fernando Coelho*

DQO, IQ/Unicamp, PO Box 13083-970, Campinas, São Paulo, Brazil

In this communication we describe a highly diastereoselective formation of a quaternary center present in the structure of Monatin, a potent sweetening agent isolated from natural sources. The total synthesis of a Monatin derivative is also described.

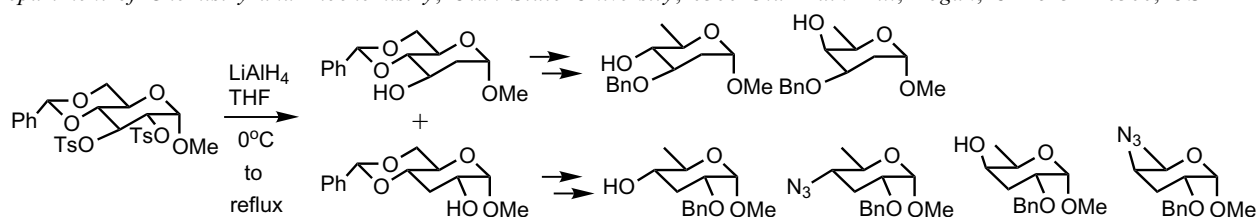


Novel and convenient method for the syntheses of 2,6-dideoxypyranoses, 3,6-dideoxypyranoses, and azido (amino) analogs of 3,6-dideoxypyranoses

Tetrahedron Letters 42 (2001) 6797

Cheng-Wei Tom Chang,* Terri Clark and Mumbi Ngaara

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

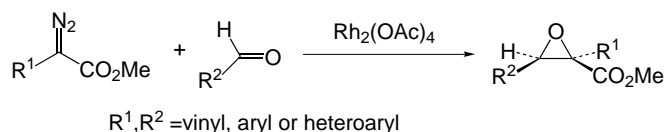


Stereoselective synthesis of epoxides by reaction of donor/acceptor-substituted carbenoids with α,β -unsaturated aldehydes

Tetrahedron Letters 42 (2001) 6803

Huw M. L. Davies* and Jason DeMeese

Department of Chemistry, University at Buffalo, State University of New York, Buffalo, NY 14260-3000, USA

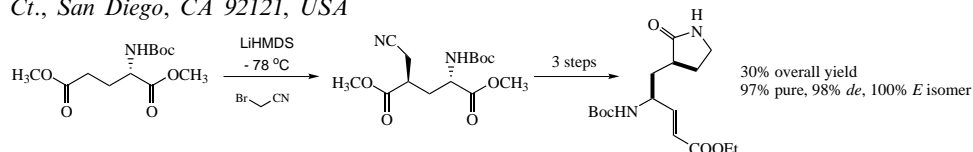


An efficient synthesis of a key intermediate for the preparation of the rhinovirus protease inhibitor AG7088 via asymmetric dianionic cyanomethylation of *N*-Boc-L-(+)-glutamic acid dimethyl ester

Tetrahedron Letters 42 (2001) 6807

Qingping Tian,* Naresh K. Nayyar,* Srinivasan Babu, Lijian Chen, Junhua Tao, Steven Lee, Anthony Tibbetts, Terence Moran, Jason Liou, Ming Guo and Timothy P. Kennedy

Chemical Research & Development, La Jolla Laboratories, Pfizer Global Research & Development, 3565 General Atomics Ct., San Diego, CA 92121, USA



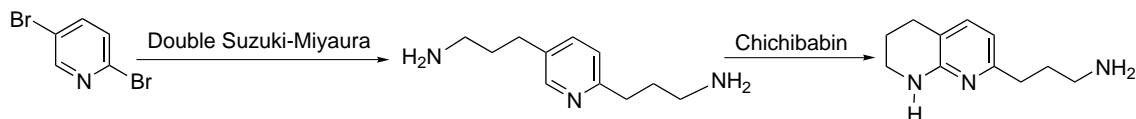
A highly efficient synthesis of 2-[3-aminopropyl]-5,6,7,8-tetrahydronaphthyridine via a double Suzuki reaction and a Chichibabin cyclization

Tetrahedron Letters 42 (2001) 6811

Michael Palucki,* David L. Hughes, Nobuyoshi Yasuda, Chunhua Yang and Paul J. Reider

Department of Process Research, Merck Research Laboratories, PO Box 2000 Rahway, NJ 07065-0900, USA

Synthesis of 2-[3-aminopropyl]-5,6,7,8-tetrahydronaphthyridine was accomplished via a one-pot double Suzuki reaction and a highly regioselective intramolecular Chichibabin cyclization.



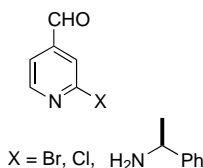
Practical routes toward the synthesis of 2-halo- and 2-alkylamino-4-pyridinecarboxaldehydes

Tetrahedron Letters 42 (2001) 6815

Lisa F. Frey,* Karen Marcantonio, Doug E. Frantz, Jerry A. Murry, Richard D. Tillyer, Edward J. J. Grabowski and Paul J. Reider

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

We recently required an efficient synthesis of 2-halo- and 2-alkylamino-4-pyridinecarboxaldehydes. Three independent routes to these compounds were investigated and will be discussed.



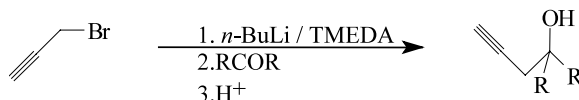
A new method for the preparation of 1,3-dilithiopropyne: an efficient synthesis of homopropargyl alcohols

Tetrahedron Letters 42 (2001) 6819

Jorge A. Cabezas,^{a,*} Albán R. Pereira and Adam Amey

Escuela de Química, Universidad de Costa Rica, San José 2060, Costa Rica

Controlled dilithiation of propargyl bromide with *n*-BuLi, in the presence of TMEDA, produces the operational equivalent of the dianion 1,3-dilithiopropyne. The latter reacts efficiently with aldehydes and ketones to produce homopropargyl alcohols in a single step route in high yields.



The reaction of [60]fullerene with 2-diazo-4,5-dicyanoimidazole

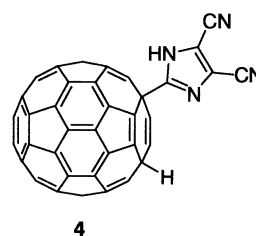
Tetrahedron Letters 42 (2001) 6823

Paul G. Rasmussen,^{a,*} Taiya S. Fabre,^b Patricia A. Beck,^b
Marna J. Eissa,^b Jorge Escobedo^b and Robert M. Strongin^{b,*}

^a*Department of Chemistry, University of Michigan, Ann Arbor, MI 48109, USA*

^b*Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803, USA*

The reaction of [60]fullerene with 2-diazo-4,5-dicyanoimidazole affords new compound **4** which contains an electron-poor aromatic heterocycle attached to the fullerene sphere.

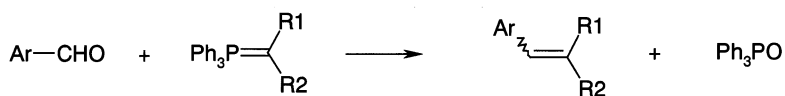


Kinetic study of microwave-assisted Wittig reaction of stabilised ylides with aromatic aldehydes

Tetrahedron Letters 42 (2001) 6827

Sara Frattini, Monica Quai and Enzo Cereda^{*}

Chemistry Centre, Boehringer Ingelheim Italia, Via Lorenzini 8, 20139 Milan, Italy



Alternative methods for the MnO₂ oxidation of codeine methyl ether to thebaine utilizing ionic liquids

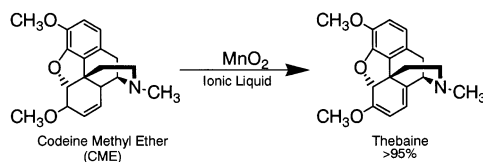
Tetrahedron Letters 42 (2001) 6831

Robert D. Singer^{a,*} and Peter J. Scammells^b

^a*Department of Chemistry, Saint Mary's University, Halifax, Nova Scotia, Canada B3H 3C3*

^b*Centre for Chiral and Molecular Technologies, Deakin University, Geelong, Victoria 3217, Australia*

Extraction of MnO₂ with an ionic liquid facilitates isolation of thebaine in high yields in the allylic oxidation of codeine methyl ether.



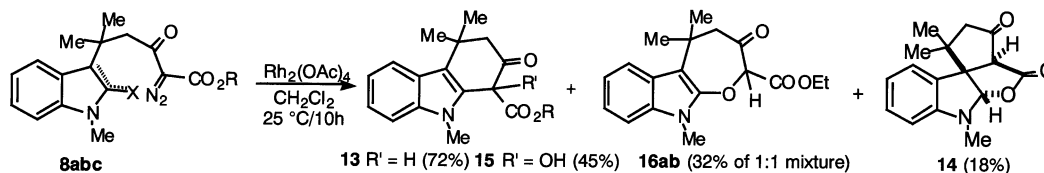
Rhodium-catalyzed decomposition of indole-substituted α -diazo- β -keto esters: three different reactions based on indole oxidation state

Tetrahedron Letters 42 (2001) 6835

Michael E. Jung* and Franck Slowinski

Department of Chemistry and Biochemistry, University of California, Los Angeles, CA 90095-1569, USA

Treatment of the α -diazo- β -keto esters **8abc** with Rh(II) afforded three different reaction products depending on the oxidation state of the indole, with the indole **8a** giving **13** and **14**, the oxindole giving **15** and **16**, and the indoline giving the indole- β -keto ester **17**.

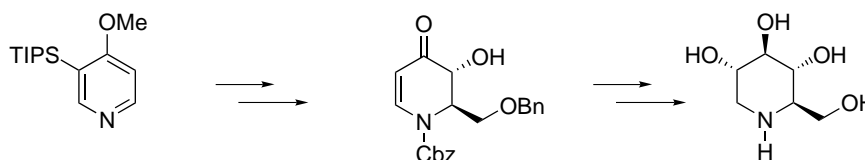


Enantiopure 2,3-dihydro-4-pyridones as synthetic intermediates: asymmetric synthesis of 1-deoxynojirimycin

Tetrahedron Letters 42 (2001) 6839

Daniel L. Comins* and Alan B. Fulp

Department of Chemistry, North Carolina State University, Raleigh, NC 27695-8204, USA

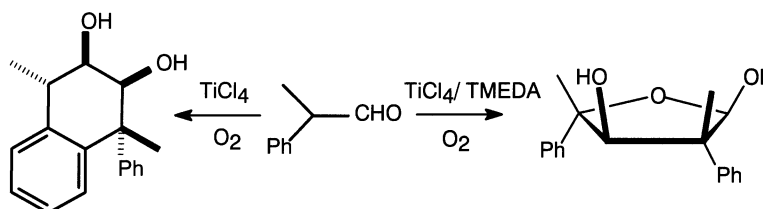


On the mechanism of directed, TiCl_4 -mediated aldol addition—an easy access to substituted 2,4-furandiols

Tetrahedron Letters 42 (2001) 6843

R. Mahrwald,* B. Ziemer and S. Troyanov

Institut für Organische und Bioorganische Chemie der Humboldt Universität, Hessische Str. 1-2, D-10115 Berlin, Germany



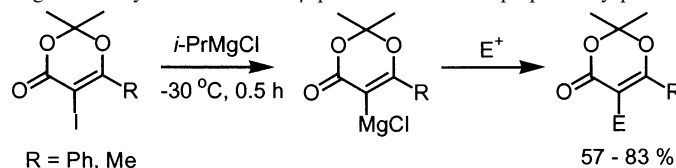
New functionalized alkenylmagnesium reagents bearing an oxygen function in the β -position. Preparation and reaction of 5-magnesiates-1,3-dioxin-4-one derivatives

Tetrahedron Letters 42 (2001) 6847

Viet Anh Vu, Laurent Bérillon and Paul Knochel*

Ludwig-Maximilians-Universität München, Institut für Organische Chemie, Butenandtstraße 5-13, Haus F, 81377 München, Germany

Alkenylmagnesium reagents bearing an alkoxy function in the β -position have been prepared by performing a low temperature iodine-magnesium exchange reaction.



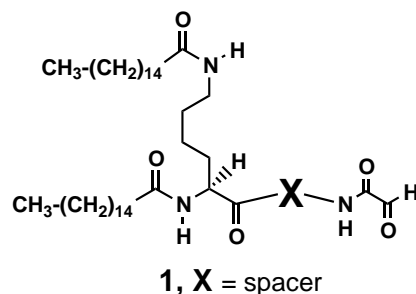
A novel family of amphiphilic α -oxo aldehydes for the site-specific modification of peptides by two palmitoyl groups in solution or in liposome suspensions

Line Bourel-Bonnet,^{*} Hélène Gras-Masse and Oleg Melnyk^{*}

UMR 8525 CNRS, Institut Pasteur de Lille et Université de Lille 2,
Institut de Biologie de Lille, 1 rue du Pr. Calmette, 59021 Lille, France

Two amphiphilic α -oxo aldehydes were synthesized using solid-phase methodologies and evaluated for their ability to ligate with α -hydrazino acetyl peptides both in solution and when inserted into the lipidic bilayer of liposomes.

Tetrahedron Letters 42 (2001) 6851



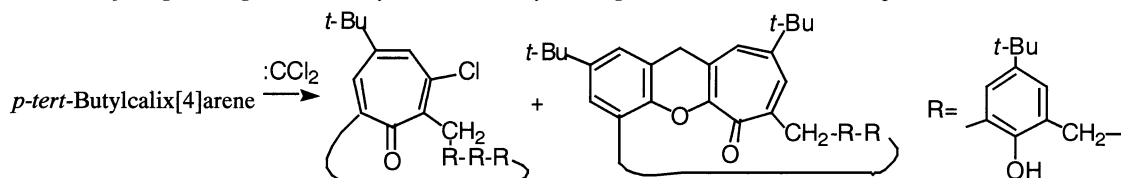
Synthesis of troponoid analogues of calix[4]arene by the reaction of dichlorocarbene with calix[4]arene

Toshihide Hatsui,^{a,*} Hideto Ushijima,^b Akira Mori^a and Hitoshi Takeshita^a

^aInstitute of Advanced Material Study, Kyushu University, Kasuga, Fukuoka 816-8580, Japan

^bGraduate School of Engineering Sciences, Kyushu University, Kasuga, Fukuoka 816-8580, Japan

Tetrahedron Letters 42 (2001) 6855

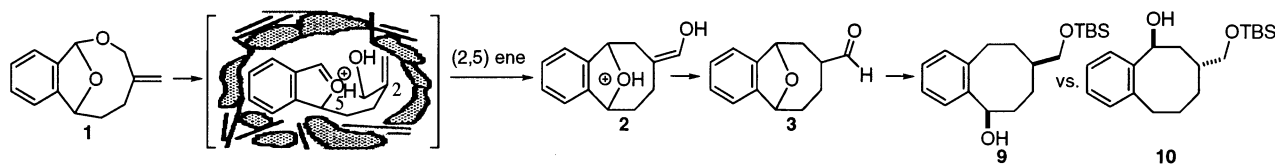


Heterogeneous acid-catalyzed (2,5) oxonium-ene reaction for eight-membered ring formation

Hirofumi Ohmura and Koichi Mikami^{*}

Department of Applied Chemistry, Tokyo Institute of Technology, O-okayama, Meguro-ku, Tokyo 152-8552, Japan

Tetrahedron Letters 42 (2001) 6859



Scavenging of the radical species formed in the sonochemical excitation of styrenes

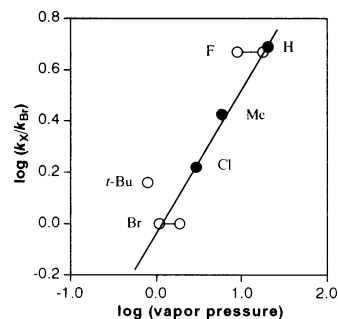
Takashi Ando,^{a,*} Takahide Kimura,^a Mitsue Fujita,^a
Jean-Marc Levêque^b and Jean-Louis Luche^b

^aDepartment of Chemistry, Shiga University of Medical Science,
Seta, Otsu, Shiga 520-2192, Japan

^bLaboratoire de Chimie Moléculaire et Environnement,
Université de Savoie, 73376 Le Bourget du Lac Cedex, France

The rate-limiting vaporization step, evidenced by the linear free energy relationship (LFER) between the excitation and the vapor pressure of the styrenes, is a characteristic of the sonochemical reactivity in a homologous series of substrates.

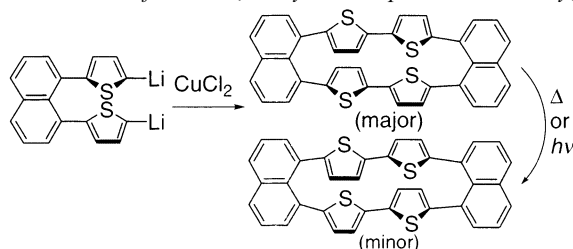
Tetrahedron Letters 42 (2001) 6865



[6.6](1,8)Naphthalenophane containing 2,2'-bithienyl-5,5'-ylene bridges*Tetrahedron Letters 42 (2001) 6869*

Masahiko Iyoda,* Kazumi Nakao, Terumasa Kondo,

Yoshiyuki Kuwatani, Masato Yoshida, Haruo Matsuyama, Kentaro Fukami and Shigeru Nagase

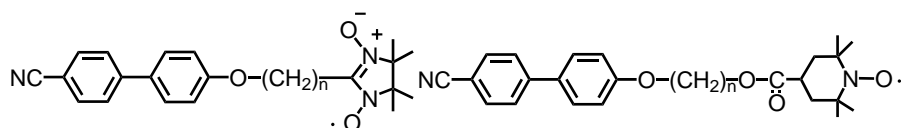
Department of Chemistry, Graduate School of Science, Tokyo Metropolitan University, Hachioji, Tokyo 192-0397, Japan**Aminoxyl radicals bearing a mesogenic core***Tetrahedron Letters 42 (2001) 6873*

Hiroshi Ikemoto, Hiroki Akutsu, Jun-ichi Yamada and

Shin'ichi Nakatsuji*

Department of Material Science, Faculty of Science, Himeji Institute of Technology, Kamigori, Hyogo 678-1297, Japan

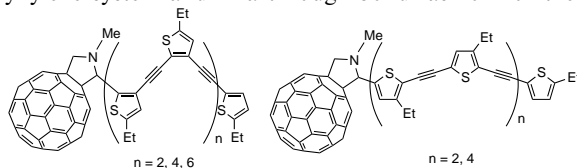
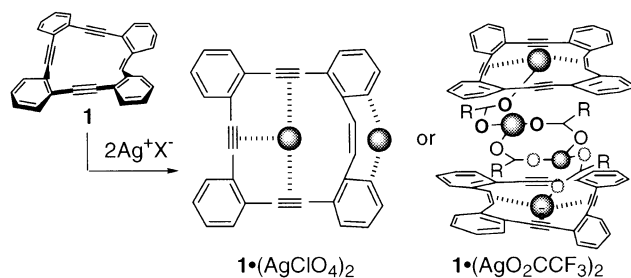
A series of aminoxyl radicals bearing biphenylcarbonitrile as a mesogenic core was prepared. Among them, unusual magnetic transition from the Curie–Weiss phase to another magnetic phase well expressed by a singlet–triplet model was found in the 4'-undecyloxy-4-biphenylcarbonitrile derivative with oxocarbonyl-TEMPO through the thermal transition.

**Synthesis and photophysical properties of [60]fullerene-oligo(thienylene-ethynylene) dyads***Tetrahedron Letters 42 (2001) 6877*

Yuko Obara, Kazuo Takimiya, Yoshio Aso* and Tetsuo Otsubo*

Department of Applied Chemistry, Graduate School of Engineering, Hiroshima University, Kagamiyama, Higashi-Hiroshima 739-8527, Japan

Distinct intramolecular interactions between the oligomers and C₆₀ are induced by photoexcitation in a through-space fashion for the 2,3-thienylene-ethynylene system and in a through-bond fashion for the 2,5-thienylene-ethynylene system.

**Synthesis and complexation properties of a synthetic receptor, Z-tetrabenzohexadehydro[16]annulene***Tetrahedron Letters 42 (2001) 6883*Masahiko Iyoda,* Takeru Horino, Futoshi Takahashi,
Masashi Hasegawa, Masato Yoshida and
Yoshiyuki Kuwatani*Department of Chemistry, Graduate School of Science,
Tokyo Metropolitan University, Hachioji, Tokyo 192-0397,
Japan*

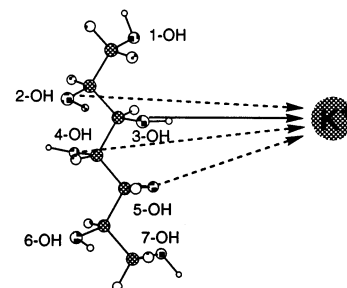
A complex of perseitol and K⁺ ion from *Scurrula fusca* (Loranthaceae)

Tetrahedron Letters 42 (2001) 6887

Takashi Ishizu, Etsuji Tsujino, Hendig Winarno,
Kazuyoshi Ohashi and Hirotaka Shibuya*

*Faculty of Pharmacy and Pharmaceutical Sciences, Fukuyama University,
Sanzo, 1 Gakuen-cho, Fukuyama, Hiroshima 729-0292, Japan*

A complex of perseitol (D-glycero-D-galacto-heptitol) and K⁺ ions in a molar ratio of 20:1 was isolated from the leaves of *Scurrula fusca* (Loranthaceae). The stereochemical structure of the complex was determined using several kinds of NMR techniques. The figure shows an interaction of perseitol with K⁺ ions in the complex.



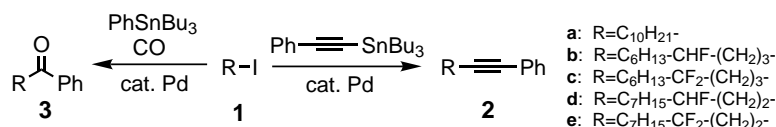
Effect of fluorine substituents on catalytic functionalizations of alkyl halides with organostannanes

Tetrahedron Letters 42 (2001) 6891

Rie Shimizu and Takamasa Fuchikami*

Sagami Chemical Research Center, 4-4-1 Nishi-Onnuma, Sagamihara, Kanagawa 229-0012, Japan

Introduction of fluorine atom(s) at the γ - and δ -positions of alkyl iodides increased the selectivities toward palladium-catalyzed functionalizations with organostannanes.

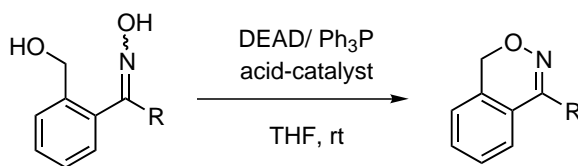


A convenient synthesis of 1H-2,3-benzoxazines by an acid-catalyzed intramolecular Mitsunobu reaction

Tetrahedron Letters 42 (2001) 6895

Hiroyuki Kai* and Toru Nakai

Aburahi Laboratories, Shionogi & Co., Ltd., Koka-cho, Koka-gun, Shiga 520-3423, Japan

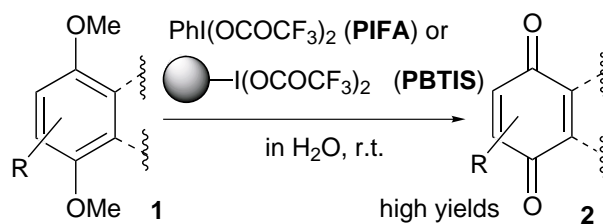


Novel and efficient synthesis of *p*-quinones in water via oxidative demethylation of phenol ethers using hypervalent iodine(III) reagents

Tetrahedron Letters 42 (2001) 6899

Hirofumi Tohma, Hironori Morioka, Yu Harayama, Miki Hashizume and Yasuyuki Kita*

Graduate School of Pharmaceutical Sciences, Osaka University, 1-6 Yamada-oka, Suita, Osaka 565-0871, Japan



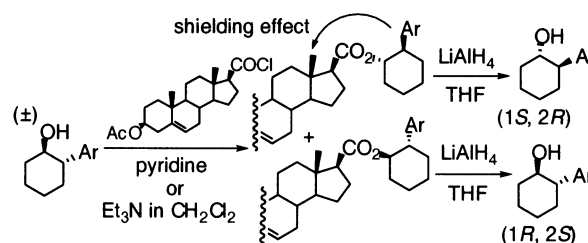
Determination of absolute configuration of *trans*-2-arylcyclohexanols using remarkable aryl-induced ¹H NMR shifts in diastereomeric derivatives

Masato Matsugi,^a Kinuyo Itoh,^a Masatomo Nojima,^a
Yuri Hagimoto^b and Yasuyuki Kita^{b,*}

^aDepartment of Materials Chemistry, Graduate School of Engineering, Osaka University, 2-1, Yamada-oka, Suita, Osaka 565-0871, Japan

^bGraduate School of Pharmaceutical Sciences, Osaka University, 1-6, Yamada-oka, Suita, Osaka 565-0871, Japan

Tetrahedron Letters 42 (2001) 6903

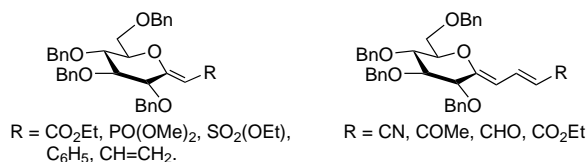


Facile synthesis of conjugated *exo*-glycols

Wen-Bin Yang, Chung-Yi Wu, Che-Chien Chang, Shwu-Huey Wang,
Chin-Fen Teo and Chun-Hung Lin*

Institute of Biological Chemistry, Academia Sinica, No.128, Academia Road Section 2, Nan-Kang, Taipei, 11529, Taiwan

Tetrahedron Letters 42 (2001) 6907



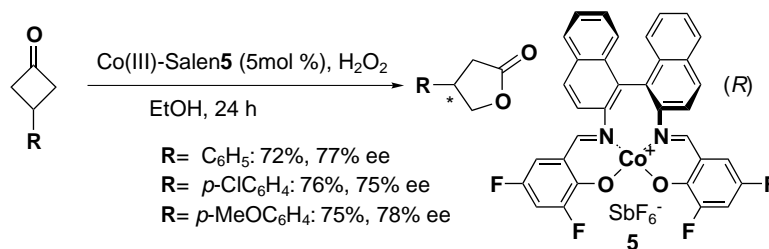
two methods developed to
synthesize these conjugated *exo*-glycols

Cationic Co(III)(salen)-catalyzed enantioselective Baeyer–Villiger oxidation of 3-arylcyclobutanones using hydrogen peroxide as a terminal oxidant

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

A cationic Co(III)(salen) complex was found to catalyze the asymmetric Baeyer–Villiger reaction of 3-substituted cyclobutanone using hydrogen peroxide as a terminal oxidant.



Tetrahedron Letters 42 (2001) 6911

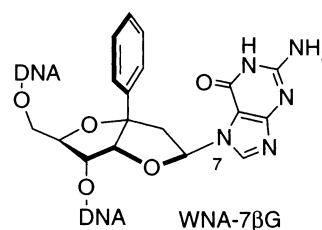
W-shape nucleic acid (WNA) for selective formation of non-natural anti-parallel triplex including a TA interrupting site

Shigeki Sasaki,* Hiroyuki Yamauchi, Fumi Nagatsugi,
Ryo Takahashi, Yosuke Taniguchi and Minoru Maeda

Graduate School of Pharmaceutical Sciences, Kyushu University,
3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan

Purine-rich triplex forming oligodeoxynucleotide (TFO) incorporating the new analog, **WNA-7βG**, formed a stable triplex with selectivity to the TA site.

Tetrahedron Letters 42 (2001) 6915



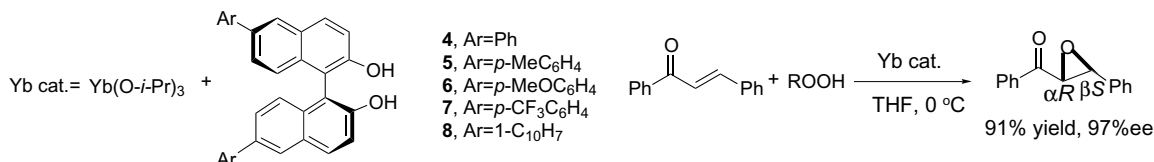
Asymmetric epoxidation of α,β -unsaturated ketones catalyzed by chiral ytterbium complexes

Tetrahedron Letters 42 (2001) 6919

Ruifang Chen,^a Changtao Qian^{a,*} and Johannes G. de Vries^{b,*}

^aState Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China

^bDSM Research, Dept. LS-2CC, PO Box 18, 6160 MD Geleen, The Netherlands

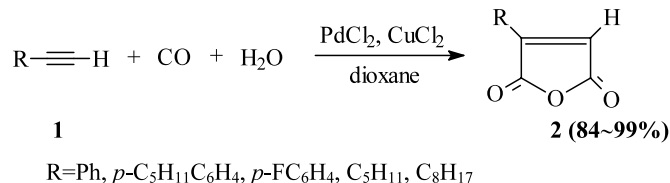


A novel and efficient synthesis of maleic anhydrides by palladium-catalyzed dicarbonylation of terminal acetylenes in H₂O/dioxane

Tetrahedron Letters 42 (2001) 6923

Jinheng Li, Guoping Li, Huanfeng Jiang* and Mingcai Chen*

LCLC, Guangzhou Institute of Chemistry, Chinese Academy of Sciences, PO Box 1122, Guangzhou 510650, China

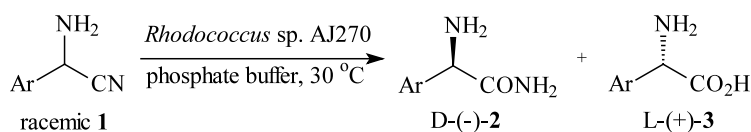


Highly efficient and enantioselective synthesis of L-arylglycines and D-arylglycine amides from biotransformations of nitriles

Tetrahedron Letters 42 (2001) 6925

Mei-Xiang Wang* and Shuang-Jun Lin

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

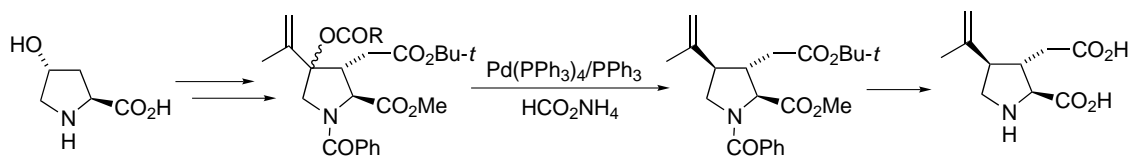


Facile synthesis of (+)- α -allokainic acid via Pd-catalyzed hydrogenolysis of allyl acetate derived from *trans*-4-hydroxy-L-proline

Tetrahedron Letters 42 (2001) 6929

Dawei Ma,* Wengen Wu and Ping Deng

State Key Laboratory of Bio-organic and Natural Product Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China



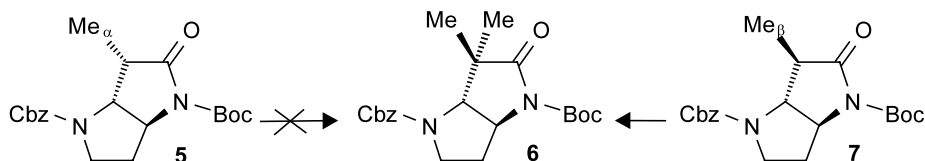
Stereoselective synthesis of *gem*-dimethyl-5,5-pyrrolidine-*trans*-lactam (5-oxo-hexahydropyrrolo[3,2-*b*]pyrrole)

Tetrahedron Letters 42 (2001) 6933

Alan D. Borthwick,* David E. Davies, Anne M. Exall, Andrew M. K. Pennell and Jemima J. Richards

Department of Medicinal Chemistry CVUO UK, GlaxoSmithKline Research and Development, Medicines Research Centre, Gunnels Wood Road, Stevenage, Herts. SG1 2NY, UK

The *gem*-dimethyl-*trans*-lactam **6** could be prepared by alkylation of the β -methyl isomer **7** but not by alkylation of the α -isomer **5**.



Identification of a precursor to naturally occurring β -damascenone

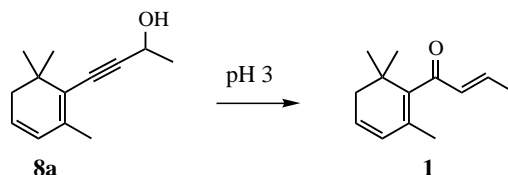
Tetrahedron Letters 42 (2001) 6937

Carolyn J. Puglisi,^{a,b} Gordon M. Elsey,^{a,*} Rolf H. Prager,^b
George K. Skouroumounis^a and Mark A. Sefton^a

^aThe Australian Wine Research Institute, PO Box 197, Glen Osmond, South Australia 5064, Australia

^bSchool of Chemistry, Physics and Earth Sciences, Flinders University, PO Box 2100, Adelaide, South Australia 5001, Australia

Dienyne alcohol **8a** has been synthesised and shown to produce β -damascenone **1** under acidic hydrolysis conditions.



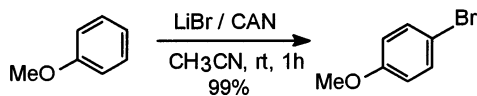
An efficient chemo and regioselective oxidative nuclear bromination of activated aromatic compounds using lithium bromide and ceric ammonium nitrate

Tetrahedron Letters 42 (2001) 6941

Subhas Chandra Roy,^{a,*} Chandrani Guin,^a Kalyan Kumar Rana^a and Gourhari Maiti^b

^aDepartment of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700 032, India

^bDepartment of Chemistry, Jadavpur University, Jadavpur, Calcutta 700 032, India



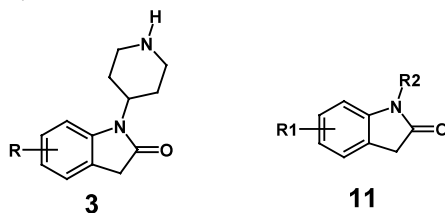
A short and efficient synthesis of *N*-substituted indol-2-ones (oxindoles)

Tetrahedron Letters 42 (2001) 6943

Ian T. Forbes*

GlaxoSmithKline, New Frontiers Science Park, Third Avenue, Harlow, Essex, UK CM19 5AD

A short and high yielding process has been developed for the synthesis of *N*-(4-piperidynyl)-indol-2-ones **3**. This strategy also constitutes a general route to *N*-substituted indol-2-ones **11**.

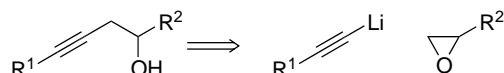


Boron trifluoride–tetrahydrofuran complex: a superior trigger for the Yamaguchi–Hirao alkylation of lithio-acetylides by epoxides

Tetrahedron Letters 42 (2001) 6947

Ann B. Evans and David W. Knight*

Chemistry Department, Cardiff University, PO Box 912, Cardiff CF10 3TB, UK



Gas phase versus solution chemistry: on the reversal of regiochemistry of methylation of sp^2 - and sp^3 -nitrogens

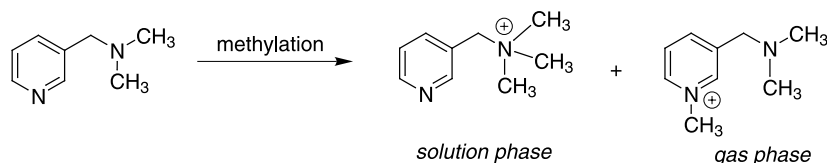
Tetrahedron Letters 42 (2001) 6949

Jennifer S. Brodbelt,^a John Isbell,^a Jonathan M Goodman,^b Henry V. Secor^c and Jeffrey I. Seeman^c

^a*Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX 78712-1167, USA*

^b*Department of Chemistry, Lensfield Road, Cambridge CB2 1EW, UK*

^c*Philip Morris, PO Box 26583, Richmond, VA 23261-658, USA*

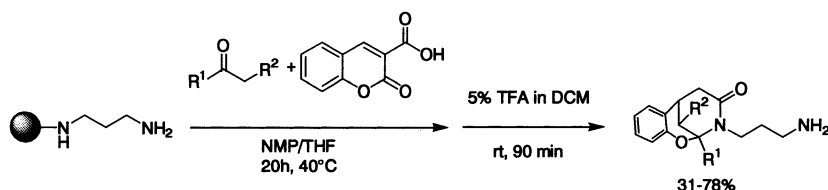


Solid-phase synthesis of oxygen-bridged tetrahydropyridones

Tetrahedron Letters 42 (2001) 6953

Daniel Jönsson,* Mikael Erlandsson and Anders Undén

Department of Neurochemistry & Neurotoxicology, Stockholm University, S-10691 Stockholm, Sweden



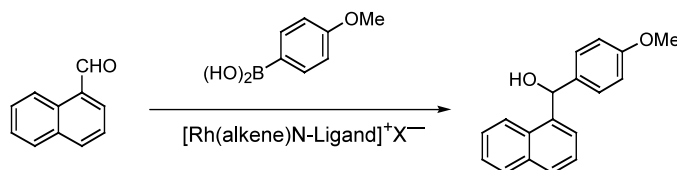
Rhodium-catalysed aryl transfer to aldehydes: counterion effects with nitrogen containing ligands

Tetrahedron Letters 42 (2001) 6957

Christelle Moreau, Catherine Hague, Andrew S. Weller and Christopher G. Frost*

Department of Chemistry, University of Bath, Bath BA2 7AY, UK

Cationic Rh(I) complexes partnered with weakly coordinating anions function as active catalysts in the addition of boronic acids to aldehydes.



1,3-Thiazino[6,5-*b*]indol-4-one derivatives. The first synthesis of indole phytoalexin cyclobrassinon

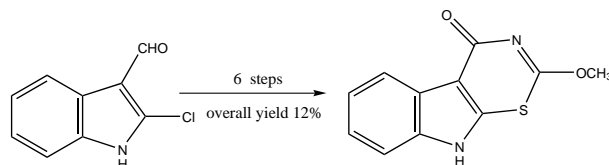
Tetrahedron Letters 42 (2001) 6961

Mojmír Suchý,^{a,*} Peter Kutschy,^a Milan Dzurilla,^a Vladimír Kováčik,^b Aldo Andreani^c and Juraj Alföldi^b

^aDepartment of Organic Chemistry, P. J. Šafárik University, Moyzesova 11, 041 67 Košice, Slovak Republic

^bInstitute of Chemistry, Slovak Academy of Sciences, Dúbravská cesta 9, 842 38 Bratislava, Slovak Republic

^cDepartment of Pharmaceutical Sciences, University of Bologna, Via Belmeloro 6, I-40126 Bologna, Italy



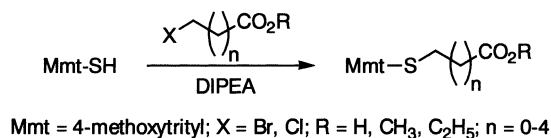
S-4-Methoxytrityl mercapto acids: synthesis and application

Tetrahedron Letters 42 (2001) 6965

Spyros Mourtas, Dimitrios Gatos, Vagiani Kalaitzi, Christina Katakalous and Kleomenis Barlos*

Department of Chemistry, University of Patras, Patras, Greece

S-Protected mercapto acids were obtained in high yield by the reaction of halo acids or esters with 4-methoxytrityl thiol.

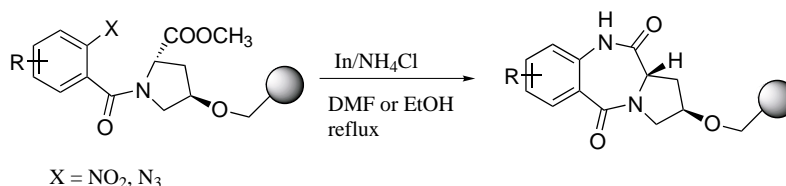


Efficient reduction of aromatic nitro/azido groups on solid support employing indium: synthesis of pyrrolo[2,1-*c*][1,4]benzodiazepine-5,11-diones

Tetrahedron Letters 42 (2001) 6969

Ahmed Kamal,* G. Suresh Kumar Reddy and K. Laxma Reddy

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



Total syntheses of justicidin B and retrojusticidin B using a tandem Horner–Emmons–Claisen condensation sequence

Tetrahedron Letters 42 (2001) 6973

David C. Harrowven,^{a,*} Mark Bradley,^a J. Lois Castro^b and Stuart R. Flanagan^a

^aDepartment of Chemistry, The University, Southampton S017 1BJ, UK

^bThe Neuroscience Research Centre, Merck Sharp & Dohme, Terlings Park, Eastwick Road, Harlow, Essex CM20 2QR, UK

