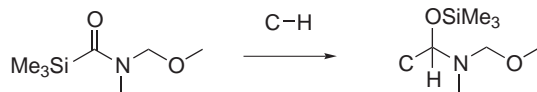


Aminooxycarbene behavior of a carbamoylsilane*Tetrahedron Letters 42 (2001) 2931*

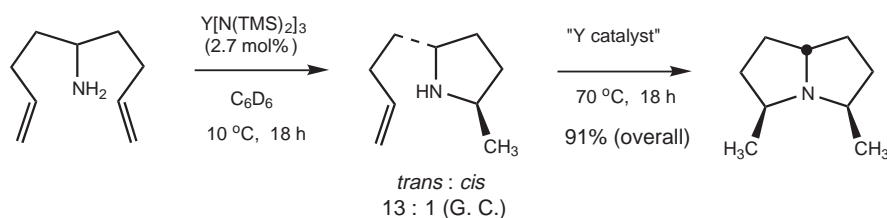
Robert F. Cunico

Department of Chemistry and Biochemistry, Northern Illinois University, DeKalb, IL 60115, USA

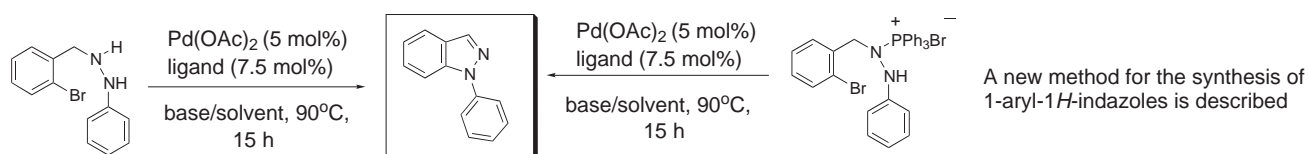
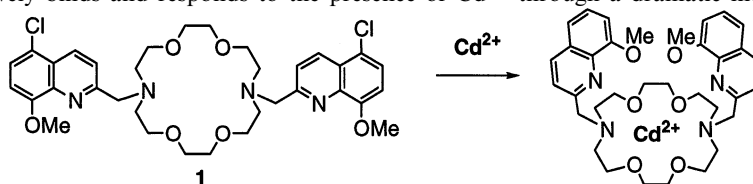
The carbamoylsilane shown acts as a carbene towards electrophilic C–H bonds. DMAD undergoes carbamoylsilylation.

**Intramolecular alkene hydroaminations catalyzed by simple amido derivatives of the Group 3 metals***Tetrahedron Letters 42 (2001) 2933*

Young Kwan Kim, Tom Livinghouse* and John E. Bercaw

Department of Chemistry, Montana State University, Bozeman, MT 59717, USA**Synthesis of 1-aryl-1*H*-indazoles via the palladium-catalyzed cyclization of *N*-aryl-*N'*-(*o*-bromobenzyl)hydrazines and [*N*-aryl-*N'*-(*o*-bromobenzyl)-hydrazinato-*N'*]-triphenylphosphonium bromides***Tetrahedron Letters 42 (2001) 2937*

Jinhua J. Song* and Nathan K. Yee

Department of Chemical Development, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Old Ridgebury Road, PO Box 368, Ridgefield, CT 06877-0368, USA**Characterization of 5-chloro-8-methoxyquinoline appended diaza-18-crown-6 as a chemosensor for cadmium***Tetrahedron Letters 42 (2001) 2941*Luca Prodi,^{a,*} Marco Montalti,^a Nelsi Zaccheroni,^a Jerald S. Bradshaw,^b Reed M. Izatt^b and Paul B. Savage^{b,*}^a*Dipartimento di Chimica 'G. Ciamician', Università di Bologna, via Selmi, 2, 40126 Bologna, Italy*^b*Department of Chemistry and Biochemistry, Brigham Young University, C100 BNSN, Provo, UT 84602, USA*Compound **1** selectively binds and responds to the presence of Cd²⁺ through a dramatic increase in fluorescence.

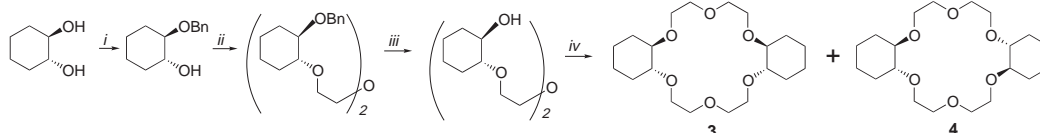
Improved conditions for the addition of alkoxides to di(ethylene glycol) di-*p*-tosylate: application to the stereospecific synthesis of the *trans*-isomers of dicyclohexano-18-crown-6

Tetrahedron Letters 42 (2001) 2945

Vincent J. Huber* and Mark L. Dietz

Chemistry Division, Argonne National Laboratory, Argonne, IL 60439, USA

(i) BnBr, NaH, DMSO, 65%. (ii) 60% NaH, DMSO, **9**, rt, 24 h, 85%. (iii) 10% Pd/C, H₂, MeOH, rt, 72 h, quantitative. (iv) 60% NaH, DMSO, **12**, rt, 16 h, 64%.

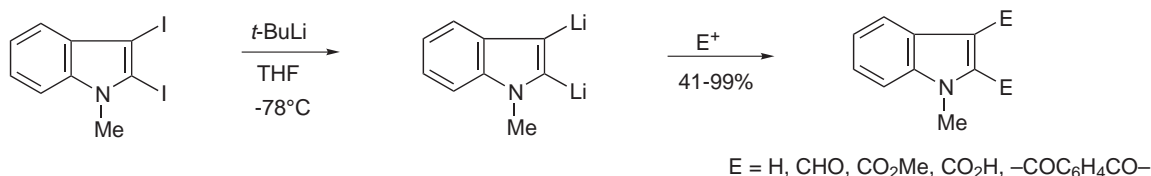


Generation and reactions of 2,3-dilithio-*N*-methylindole. Synthesis of 2,3-disubstituted indoles

Tetrahedron Letters 42 (2001) 2949

Yanbing Liu and Gordon W. Gribble*

Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA



Antimitotic diterpenoids from *Erythropodium caribaeorum*: isolation artifacts and putative biosynthetic intermediates

Tetrahedron Letters 42 (2001) 2953

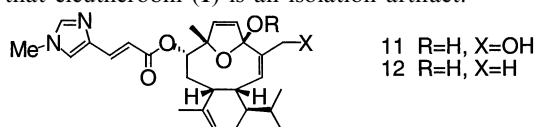
Robert Britton,^a Michel Roberge,^b Hans Berisch^c and Raymond J. Andersen^{a,*}

^aDepartments of Chemistry and Oceanography (EOS), University of British Columbia, Vancouver, BC, Canada V6T 1Z1

^bDepartment of Biochemistry and Molecular Biology, University of British Columbia, Vancouver, BC, Canada V6T 1Z3

^cRoss University Medical School, Commonwealth of Dominica

Two new diterpenoids, caribaeorane (**12**) and 15-hydroxycaribaeorane (**11**), have been identified in *E. caribaeorum* extracts. Evidence has shown that eleutherobin (**1**) is an isolation artifact.



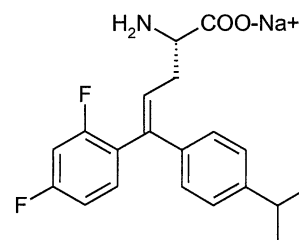
Synthesis of chiral and geometrically defined 5,5-diaryl-2-amino-4-pentenoates: novel amino acid derivatives

Tetrahedron Letters 42 (2001) 2957

Methvin Isaac,* Abdelmalik Slassi, Kathleen Da Silva and Tao Xin

NPS Allelix Corp., 6850 Goreway Drive, Mississauga, ON, Canada L4V 1V7

A novel series of 5,5-diaryl-2-amino-4-pentenoates were synthesized. Chirally defined substrates were obtained efficiently using Oppolzer's sultam as a chiral auxiliary and a palladium-catalyzed stereoselective hydrostannylation.



Stereoselective synthesis of an isoprostane synthon via 8,12-free-radical cyclization

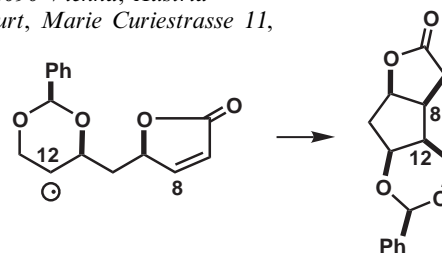
Tetrahedron Letters 42 (2001) 2961

Johann Mulzer,^{a,*} Michael Czybowski^b and Jan-W. Bats^b

^a*Institut für Organische Chemie der Universität Wien, Währinger Strasse 38, A-1090 Vienna, Austria*

^b*Institut für Organische Chemie der Johann Wolfgang Goethe-Universität Frankfurt, Marie Curiestrasse 11, D-60439 Frankfurt, Germany*

This radical undergoes a twofold *cis*-annulation to form an isoprostane intermediate.



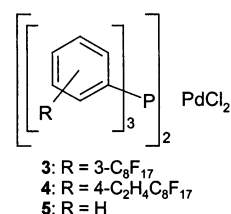
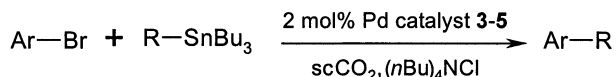
Stille couplings in supercritical CO₂ catalyzed with perfluoro-tagged and un-tagged Pd complexes

Tetrahedron Letters 42 (2001) 2965

Thomas Osswald,^a Siegfried Schneider,^a Shaoning Wang^b and Willi Bannwarth^{a,*}

^a*Institut für Organische Chemie und Biochemie, Universität Freiburg, Albertstraße 21, D-79104 Freiburg, Germany*

^b*F. Hoffmann-La Roche AG, Dept. PRNC-S, Bau 62/438b, CH-4070 Basel, Switzerland*



Synthesis of a building block for phosphonate analogues of moenomycin A₁₂ from D-tartaric acid

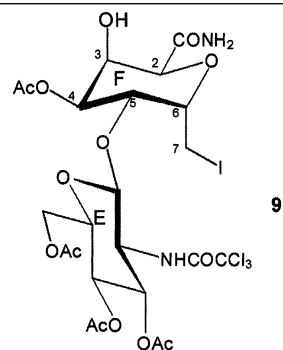
Tetrahedron Letters 42 (2001) 2969

Jalal Zahra,^a Lothar Hennig,^a Matthias Findeisen,^a Peter Welzel,^{a,*} Dietrich Müller^b and William S. Sheldrick^b

^a*Universität Leipzig, Fakultät für Chemie und Mineralogie Johannisallee 29, D-04103 Leipzig, Germany*

^b*Ruhr-Universität Bochum, Institut für Analytische Chemie, D-44780 Bochum, Germany*

An approach for the synthesis of moenomycin A₁₂ C-glycoside partial structures is reported based on allyltin chemistry.

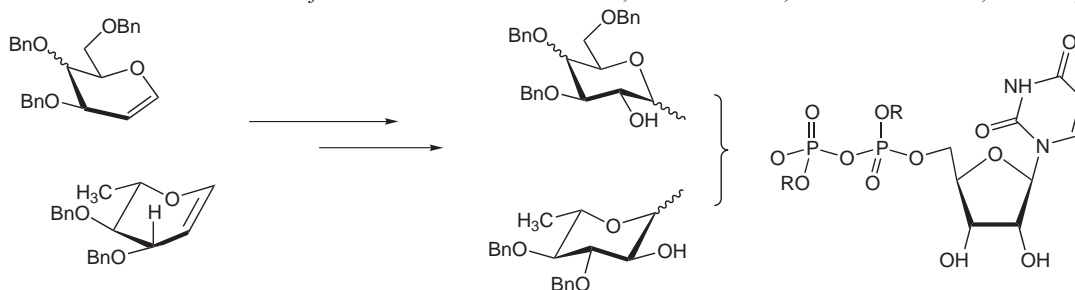


A short route to nucleoside diphosphate activated D- and L-hexoses

Tetrahedron Letters 42 (2001) 2973

Christiane Ernst and Werner Klaffke*

Organisch-Chemisches Institut der Westfälischen Wilhelms-Universität, Corrensstr. 40, D-48149 Münster, Germany



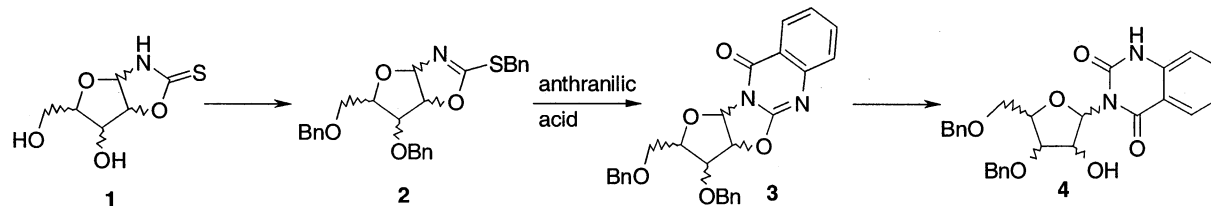
Base-modified nucleosides from carbohydrate derived oxazolidinethiones: a five-step process

Tetrahedron Letters 42 (2001) 2977

Jolanta Girniene,^{a,b} David Gueyrard,^a Arnaud Tatibouët,^{a,*} Algirdas Sackus^b and Patrick Rollin^a

^aICOA, UMR CNRS 6005, Université d'Orléans, BP 6759, F-45067 Orléans, France

^bDepartment of Organic Chemistry, Kaunas University of Technology, LT-3028 Kaunas, Lithuania

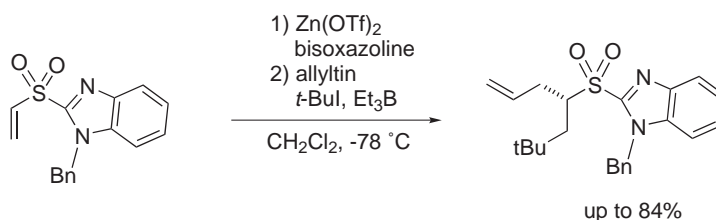


Enantioselective allylation of the α -sulfonyl radical controlled by coordination of a chiral Lewis acid to an enantiotopic sulfonyl oxygen

Tetrahedron Letters 42 (2001) 2981

Yoshihiko Watanabe, Nobuyuki Mase, Ryuji Furue and Takeshi Toru*

Department of Applied Chemistry, Nagoya Institute of Technology, Nagoya 466-8555, Japan



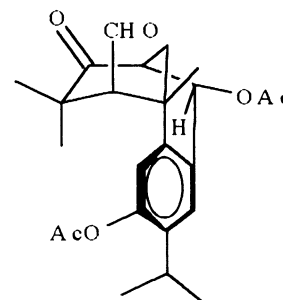
A novel 7(6 \rightarrow 2)abeoabietane-type diterpene, obtusanal, from the Heartwood of *Chamaecyparis obtusa* var. *formosana*

Tetrahedron Letters 42 (2001) 2985

Yueh-Hsiung Kuo* and Chia-Hsien Chen

Department of Chemistry, National Taiwan University, Taipei, Taiwan, ROC

A novel 7(6 \rightarrow 2)abeoabietane-type diterpene, obtusanal, was isolated from the heartwood of *Chamaecyparis obtusa* var. *formosana*, and the biosynthesis of this novel compound was proposed.

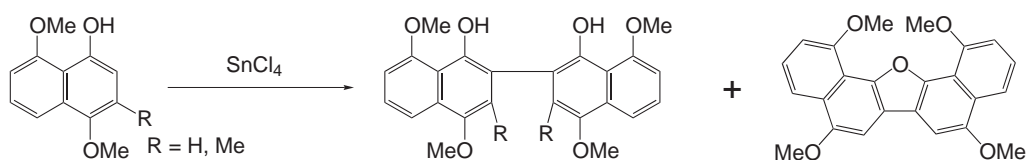


The aryl-aryl coupling reaction of 1-naphthol with SnCl_4 for 2,2'-binaphthol synthesis and its application to the biomimetic synthesis of binaphthoquinone isolated from *Plumbago zeylanica*

Tetrahedron Letters 42 (2001) 2987

Iwao Okamoto, Hirohisa Doi, Eiichi Kotani and Tetsuya Takeya*

Showa Pharmaceutical University, 3-3165 Higashi-tamagawagakuen, Machida, Tokyo 194-8543, Japan



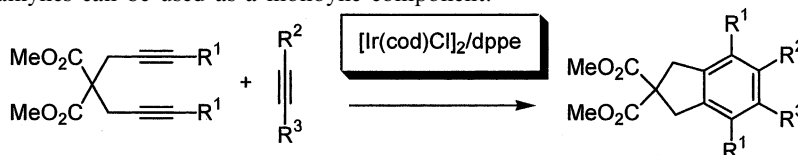
Iridium complex-catalyzed [2+2+2] cycloaddition of α,ω -diynes with monoalkynes: a new and efficient catalyst for cyclotrimerization of alkynes

Tetrahedron Letters 42 (2001) 2991

Ryo Takeuchi,* Shigeru Tanaka and Yoshihiko Nakaya

Department of Environmental Science, Faculty of Science and Graduate School of Integrated Science, Yokohama City University, 22-2 Seto, Kanazawa-ku, Yokohama 236-0027, Japan

Various functionalized alkynes can be used as a monoyne component.



A new alkaloid, pandanamine; finding of an anticipated biogenetic intermediate in *Pandanus amaryllifolius* Roxb

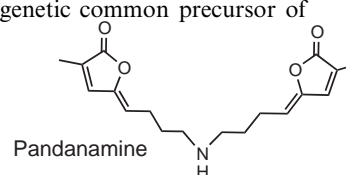
Tetrahedron Letters 42 (2001) 2995

Hiromitsu Takayama,^{a,*} Tomotake Ichikawa,^a Mariko Kitajima,^a Norio Aimi,^a Dazy Lopez^b and Maribel G. Nonato^b

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

^bResearch Center for the Natural Sciences, University of Santo Tomas, España, Manila 1008, Philippines

A novel alkaloid having a symmetrical structure, which has been postulated to be a biogenetic common precursor of *Pandanus* alkaloids, was found in the fresh leaves of *Pandanus amaryllifolius* Roxb.



Chemi- and bioluminescence of coelenterazine analogues with a conjugated group at the C-8 position

Tetrahedron Letters 42 (2001) 2997

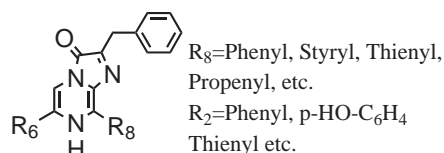
Chun Wu,^{a,*} Hideshi Nakamura,^a Akio Murai^b and Osamu Shimomura^c

^aDivision of Biomodeling, Department of Applied Molecular Bioscience, Graduate School of Bioagricultural Sciences, Nagoya University, Nagoya 464-8601, Japan

^bDivision of Chemistry, Graduate School of Science, Hokkaido University, Sapporo 060-0810, Japan

^cMarine Biological Laboratory, Woods Hole, MA 02543, USA

Anticipating the introduction of a bathochromic shift of the luminescence, several new coelenterazine analogues that have conjugated olefins or aromatic groups at the 8-position of imidazopyrazinone ring were synthesized. In the bioluminescence catalyzed by *Oplophorus* luciferase, the bithienyl analogue of coelenterazine emitted a moderate intensity of luminescence (5% of coelenterazine) with an emission maximum at 528 nm, which was the longest wavelength of all the analogues tested.



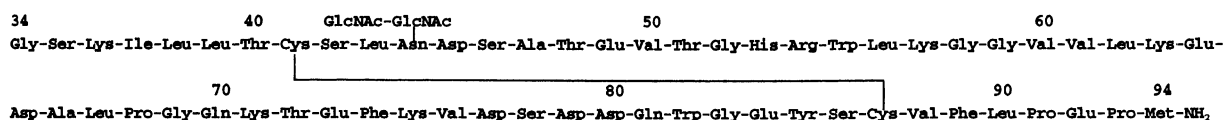
Synthesis of the extracellular Ig domain I of Emmprin carrying a chitobiose unit

Tetrahedron Letters 42 (2001) 3001

Hironobu Hojo,^{a,b,*} Jun Watabe,^a Yoshiaki Nakahara,^{a,b,c} Yuko Nakahara,^{b,c} Yukishige Ito,^{b,c} Kazuki Nabeshima^d and Bryan P. Toole^e

^aDepartment of Industrial Chemistry, Tokai University, Kanagawa 259-1292, Japan; ^bThe Institute of Physical and Chemical Research (RIKEN), Saitama 351-0198, Japan; ^cCREST, Japan Science and Technology Corporation (JST), Japan; ^dDepartment of Pathology, Miyazaki Medical College, Miyazaki 889-1692, Japan; ^eDepartment of Anatomy and Cellular Biology, Tufts University School of Medicine, 136 Harrison Ave., Boston, MA 02111, USA

The extracellular first Ig domain of Emmprin (34-94) carrying chitobiose was chemically synthesized by the thioester method.



Sarcotragins A and B, new sesterterpenoid alkaloids from the sponge *Sarcotragus* sp.

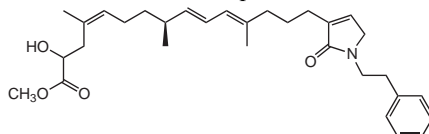
Tetrahedron Letters 42 (2001) 3005

Jongheon Shin,^{a,*} Jung-Rae Rho,^a Youngwan Seo,^a Hyi-Seung Lee,^a Ki Woong Cho^a and Chung J. Sim^b

^aMarine Natural Products Laboratory, Korea Ocean Research & Development Institute, Ansan PO Box 29, Seoul 425-600, South Korea

^bDepartment of Biology, Hannam University, Taejeon 306-791, South Korea

Two trisnorsesterterpene alkaloids of an unusual structural class have been isolated from the sponge *Sarcotragus* sp. The structures have been elucidated by combined chemical and spectral methods.

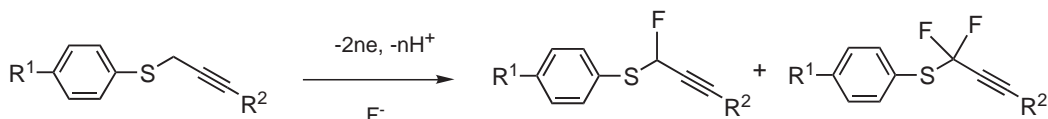


**Electrolytic partial fluorination of organic compounds.
Part 43: Highly regioselective anodic mono- and difluorination of propargyl sulfides and preparation of α -fluoroallenyl sulfides**

Tetrahedron Letters 42 (2001) 3009

Sayed M. Riyadh, Hideki Ishii and Toshio Fuchigami*

Department of Electronic Chemistry, Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama 226-8502, Japan

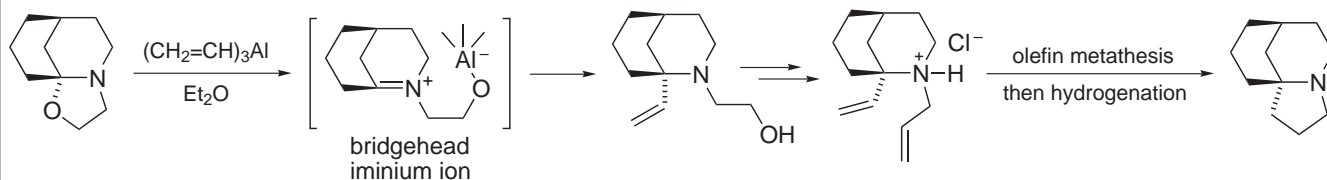


Synthesis of the azatricyclic core of FR901483 by bridgehead vinylation via an anti-Bredt iminium ion

Tetrahedron Letters 42 (2001) 3013

Hidetaka Suzuki, Naoki Yamazaki and Chihiro Kibayashi*

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



Absolute configuration of nafuredin, a new specific NADH-fumarate reductase inhibitor

Tetrahedron Letters 42 (2001) 3017

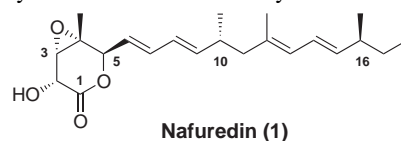
Daisuke Takano,^a Tohru Nagamitsu,^{b,c} Hideaki Ui,^b Kazuro Shiomi,^b Yuuichi Yamaguchi,^b Rokuro Masuma,^b Isao Kuwajima^{b,c} and Satoshi Ōmura^{b,*}

^aSchool of Pharmaceutical Science, Kitasato University, 5-9-1 Shirokane, Minato-ku, Tokyo 108-8642, Japan

^bResearch Center for Biological Function, The Kitasato Institute, 5-9-1 Shirokane, Minato-ku, Tokyo 108-8642, Japan

^cCREST, The Japan Science and Technology Corporation (JST), 5-9-1 Shirokane, Minato-ku, Tokyo 108-8642, Japan

The absolute configuration of nafuredin (**1**) has been elucidated by stereoselective synthesis and HPLC analysis of the degradation products obtained by ozonolysis of **1**.



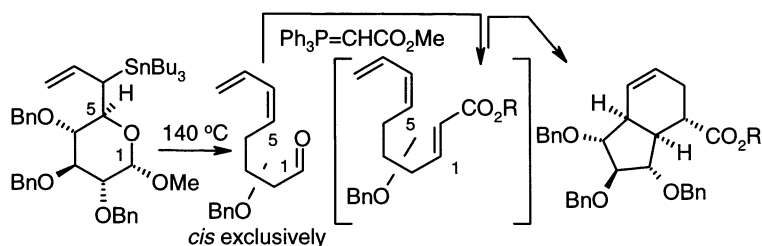
Stability of regioisomeric sugar allyltins. Cleavage of the carbon–oxygen bond under radical conditions

Tetrahedron Letters 42 (2001) 3021

Sławomir Jarosz* and Katarzyna Szewczyk

Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44, 01-224 Warszawa, Poland

Secondary sugar allyltins undergo elimination of the tri-*n*-butyltin moiety at 140°C with cleavage of the C–O bond to *cis*-dienoaldehydes. In the presence of the stabilized ylide $\text{Ph}_3\text{P}=\text{CH}-\text{CO}_2\text{Me}$ a bicyclic product is formed via a tandem Wittig/Diels–Alder process.

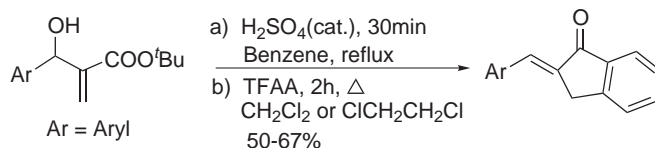


One-pot inter- and intramolecular Friedel–Crafts reactions in Baylis–Hillman chemistry: a novel facile synthesis of (*E*)-2-arylideneindan-1-ones

Tetrahedron Letters 42 (2001) 3025

Deevi Basavaiah* and Ravi Mallikarjuna Reddy

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

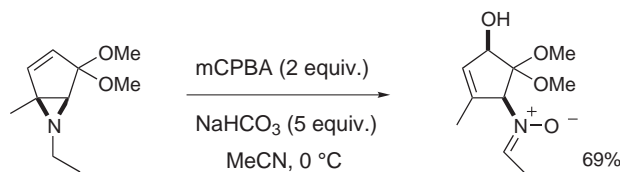


Oxidative rearrangements of bicyclic 2-alkenyl aziridines

Tetrahedron Letters 42 (2001) 3029

Clive S. Penkett* and Iain D. Simpson

School of Chemistry, Physics and Environmental Science, University of Sussex, Falmer, Brighton, East Sussex BN1 9QJ, UK



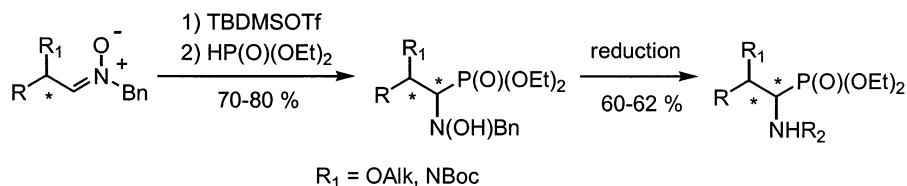
O-Silyl triflate-promoted addition of diethyl phosphite to chiral aldonitrones. A rapid access to complex α-amino phosphonates and their *N*-hydroxy derivatives

Tetrahedron Letters 42 (2001) 3033

Carmela De Risi,^a Alessandro Dondoni,^{b,*} Daniela Perrone^b and Gian Piero Pollini^{a,*}

^a*Dipartimento di Scienze Farmaceutiche, Università di Ferrara, Via Fossato di Mortara 17-19, I-44100 Ferrara, Italy*

^b*Dipartimento di Chimica, Laboratorio di Chimica Organica, Università di Ferrara, Via L. Borsari 46, I-44100 Ferrara, Italy*

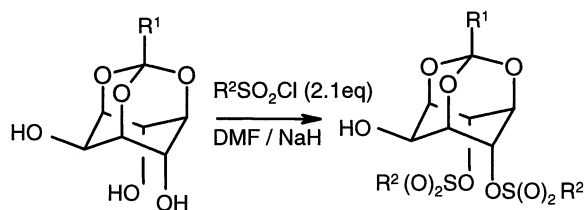


Sulfonate protecting groups. Regioselective *O*-sulfonylation of *myo*-inositol orthoesters

Tetrahedron Letters 42 (2001) 3037

Kana M. Sureshan and Mysore S. Shashidhar*

Division of Organic Synthesis, National Chemical Laboratory, Pune 411 008, India

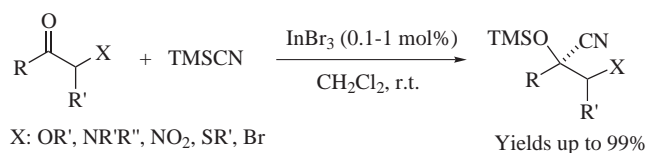


Indium tribromide: a highly effective catalyst for the addition of trimethylsilyl cyanide to α -hetero-substituted ketones

Tetrahedron Letters 42 (2001) 3041

Marco Bandini, Pier Giorgio Cozzi,* Paolo Melchiorre and Achille Umani-Ronchi*

Dipartimento di Chimica 'G. Ciamician', Università di Bologna, Via Selmi 2, 40126 Bologna, Italy



Modular pyridine-type *P,N*-ligands derived from monoterpenes: application in asymmetric Heck addition

Tetrahedron Letters 42 (2001) 3045

Andrei V. Malkov,* Marco Bella, Irena G. Stará and Pavel Kočovský*

Department of Chemistry, University of Glasgow, Glasgow G12 8QQ, UK

