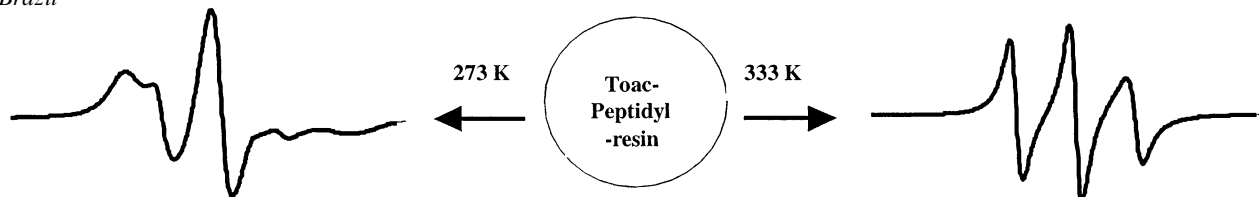
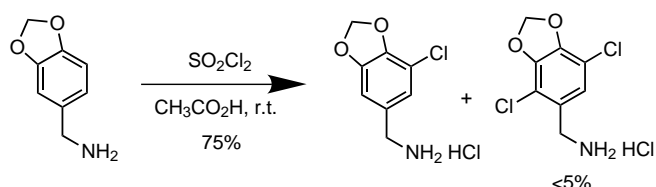


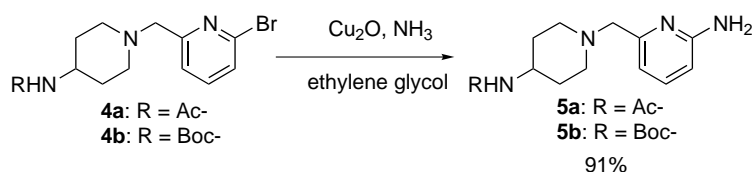
Effect of temperature on peptide chain aggregation: an EPR study of model peptidyl-resins*Tetrahedron Letters 42 (2001) 3243*Suely C. F. Ribeiro,^a Shirley Schreier,^b Clovis R. Nakaie^a and Eduardo M. Cilli^{a,*}^aDepartment of Biophysics, Universidade Federal de São Paulo, Rua 3 de Maio 100, 04044-020, São Paulo, SP, Brazil^bDepartment of Biochemistry, Institute of Chemistry, Universidade of São Paulo, C.P. 26077, 05513-970, São Paulo, SP, Brazil**A mild and efficient method for aromatic chlorination of electron-rich arylalkyl amines***Tetrahedron Letters 42 (2001) 3247*Guixue Yu,^{a,*} Helen J. Mason,^a Ximao Wu,^a Masaki Endo,^b James Douglas^b and John E. Macor^a^aDiscovery Chemistry, Bristol-Myers Squibb, PO Box 5400, Princeton, NJ 08543-5400, USA^bProcess R&D, Bristol-Myers Squibb, 100 Boulevard de l'Industrie, Candiac (Quebec), Canada J5R 1J1

Sulfuryl chloride was used to monochlorinate electron-rich arylalkyl amines in a mild and efficient one-pot transformation. Protection of the amines was not needed.

**Amination of aryl halides using copper catalysis***Tetrahedron Letters 42 (2001) 3251*Fengrui Lang,^{*} Daniel Zewge, Ioannis N. Houpis and R. P. Volante

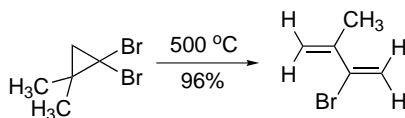
Merck Research Laboratories, Department of Process Research, PO Box 2000, Rahway, NJ 07065, USA

A copper-catalyzed amination of aryl halides under mild reaction conditions gave the aryl amine in good yield.

**Simple and efficient synthesis of bromine-substituted 1,3-dienes and 1,3,5-cycloheptatriene by vacuum pyrolysis of *gem*-dibromocyclopropanes***Tetrahedron Letters 42 (2001) 3255*Nick H. Werstiuk^{*} and Chandra D. Roy

Department of Chemistry, McMaster University, Hamilton, Ont., Canada L8S 4M1

Vacuum pyrolysis of *gem*-dibromocyclopropanes gave bromine substituted 1,3-dienes in good to excellent chemical yield and purity. In the case of 7,7-dibromobicyclo[4.1.0]heptane, 1,3,5-cycloheptatriene is obtained in 72% chemical yield.

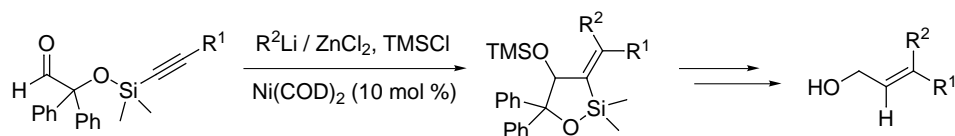


Nickel-catalyzed preparation of stereodefined allylic alcohols using silicon-tethered ynals

Tetrahedron Letters 42 (2001) 3259

Mario Lozanov and John Montgomery*

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



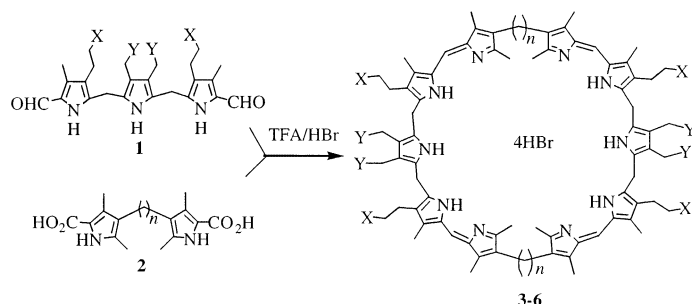
A highly efficient preparation of *N*-confused cyclodecapyrroles

Tetrahedron Letters 42 (2001) 3263

Qingqi Chen^{a,*} and David Dolphin^b

^aSynapse Technologies, Inc., 6660 NW Marine Drive, Vancouver, BC, Canada V6T 1Z4

^bDepartment of Chemistry, University of British Columbia, 2036 Main Mall, Vancouver, BC, Canada V6T 1Z1

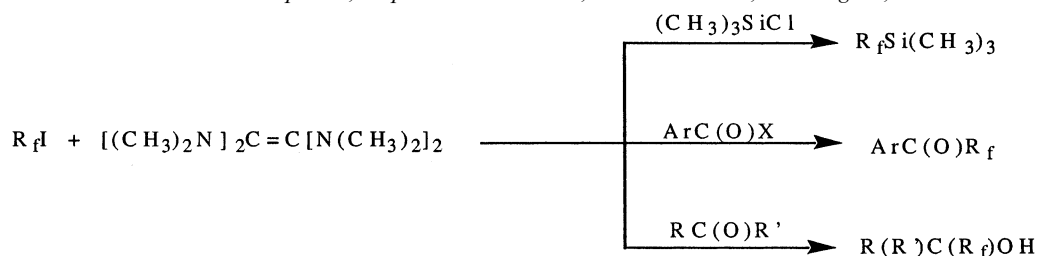


A simple procedure for nucleophilic perfluoroalkylation of organic and inorganic substrates

Tetrahedron Letters 42 (2001) 3267

Viacheslav A. Petrov*

DuPont Central Research and Development, Experimental Station, PO Box 80328, Wilmington, DE 19880-0328, USA

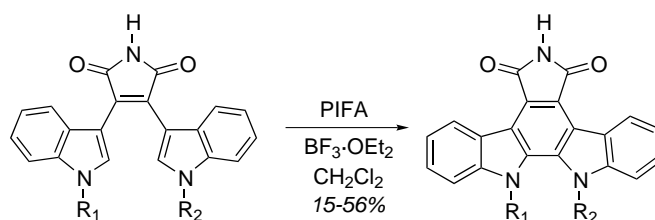


Phenylodine(III) bis(trifluoroacetate)-mediated oxidation of bisindolylmaleimides to indolo[2,3-*a*]carbazoles

Tetrahedron Letters 42 (2001) 3271

Margaret M. Faul* and Kevin A. Sullivan

Lilly Research Laboratories, A Division of Eli Lilly and Company, Chemical Process Research and Development Division, Indianapolis, IN 46285, USA

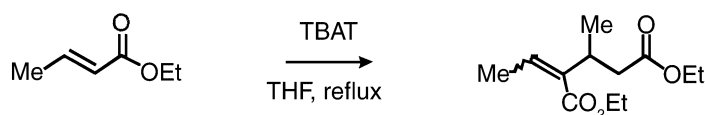


**Fluoride-promoted reactions of unsaturated carbonyl compounds.
Dimerization by a non-Baylis–Hillman pathway**

Tetrahedron Letters 42 (2001) 3275

Judy X. Xuan and Albert J. Fry*

Department of Chemistry, Wesleyan University, Middletown, CT 06459, USA



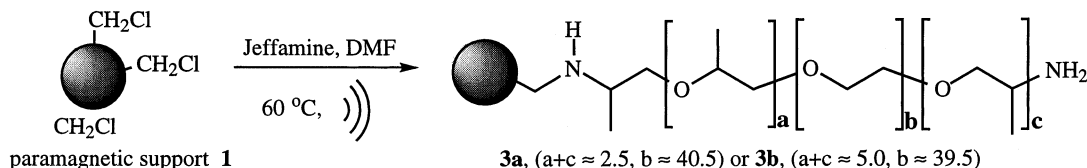
**New polyoxyalkyleneamine-grafted paramagnetic supports for
solid-phase synthesis and bioapplications**

Tetrahedron Letters 42 (2001) 3279

Irving Sucholeiki,* J. Manuel Perez and Patrick D. Owens

Solid Phase Sciences Corporation, 550 Boston Avenue, 2nd Floor, Medford, MA 02155, USA

Ultrasound is used to synthesize paramagnetic beads that are compatible with both water and organic solvents.



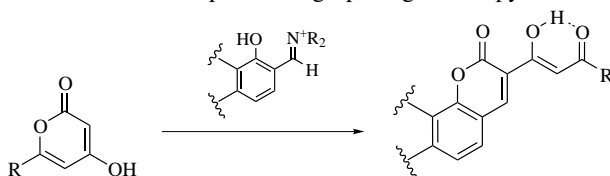
**An unexpected ring-opening of a 2-pyrone ring at low
temperatures. A mild and expeditious synthesis of novel coumarins**

Tetrahedron Letters 42 (2001) 3283

Ossama Saleh Darwish, Kirsten A. Granum, Quang Tan and Richard P. Hsung*

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

When iminium salts generated from *ortho*-hydroxy arylaldehydes were condensed with 4-hydroxy-2-pyrone at low temperatures, coumarins were isolated via an unexpected ring-opening of a 2-pyrone nucleus.



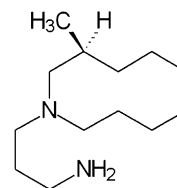
**Synthesis of (–)-(3*S*)-1-(3-aminopropyl)-3-methylazacyclodecane,
the structure proposed for the marine alkaloid haliclorensine**

Tetrahedron Letters 42 (2001) 3287

Markus R. Heinrich and Wolfgang Steglich*

Chemie Department, Ludwig-Maximilians-Universität München, Butenandtstraße 5-13 (F), D-81377 Munich, Germany

Both enantiomers of the title compound were synthesized from known starting materials. The synthetic diamine differs in its NMR data and optical rotation from haliclorensine for which the same structure had been proposed.

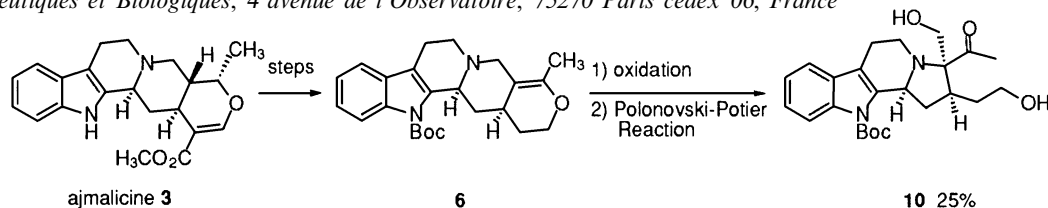


A new rearrangement of *N*-trifluoroacetoxyammonium salt under Polonovski–Potier reaction conditions: aziridinium versus iminium formation

Tetrahedron Letters 42 (2001) 3291

O. P. Thomas, A. Zaparucha and H.-P. Husson*

Laboratoire de Chimie Thérapeutique UMR 8638 associée au CNRS et à l'Université René Descartes, Faculté des Sciences Pharmaceutiques et Biologiques, 4 avenue de l'Observatoire, 75270 Paris cedex 06, France



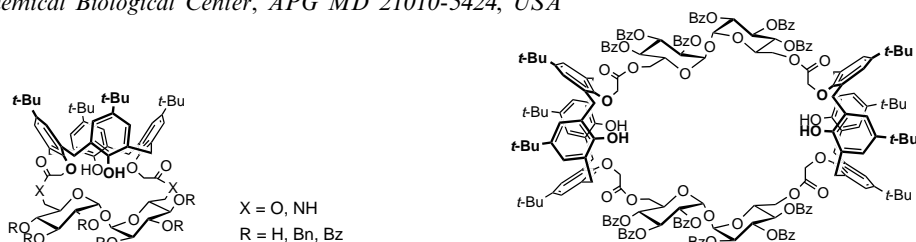
First synthesis of bridged and double calixsugars

Tetrahedron Letters 42 (2001) 3295

Alessandro Dondoni,^{a,*} Xubo Hu,^a Alberto Marra^a and Harold D. Banks^b

^a*Dipartimento di Chimica, Laboratorio di Chimica Organica, Università di Ferrara, Via Borsari 46, 44100 Ferrara, Italy*

^b*Edgewood Chemical Biological Center, APG MD 21010-5424, USA*



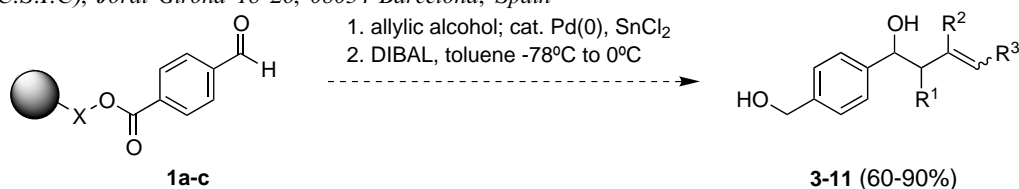
A solid-phase version of the palladium-catalyzed carbonyl allylation by allylic alcohols with SnCl₂

Tetrahedron Letters 42 (2001) 3299

Lydia Carde,^{a,b} Amadeu Llebaria^b and Antonio Delgado^{a,b,*}

^a*Universitat de Barcelona, Facultat de Farmàcia, Unitat de Química Farmacèutica, Avda. Joan XXIII, s/n, 08028 Barcelona, Spain*

^b*Departament de Química Orgànica Biològica, Institut d'Investigacions Químiques i Ambientals de Barcelona (I.I.Q.A.B.-C.S.I.C), Jordi Girona 18-26, 08034 Barcelona, Spain*



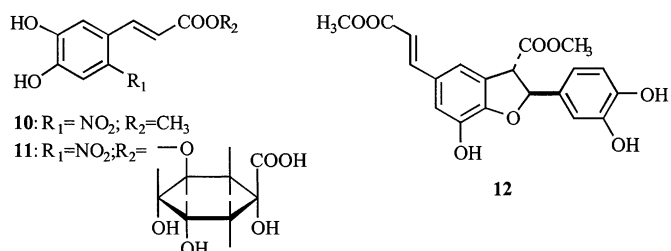
Reaction of caffeic acid derivatives with acidic nitrite

Tetrahedron Letters 42 (2001) 3303

Philippe Cotelte* and Hervé Vezin

Laboratoire de Chimie Organique Physique associé au CNRS, ENSCL, Université de Lille 1, F-59655 Villeneuve d'Ascq, France

Caffeic acid, its methyl ester and chlorogenic acid were reacted with acidic nitrite. Whereas caffeic acid reacts on the side chain, its esters are readily nitrated into 6-nitroderivatives **10** and **11**. Under more acidic conditions, methyl caffeate undergoes a dimerisation into a norlignan derivative **12**.

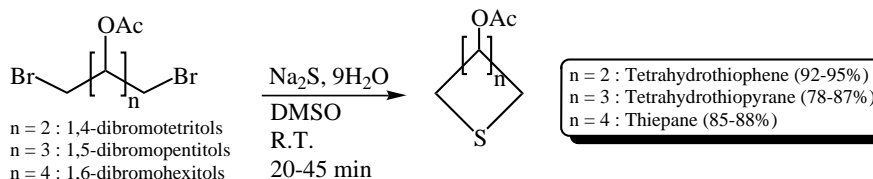


Short and efficient synthesis of polyhydroxylated tetrahydrothiophene, tetrahydrothiopyrane and thiepane from bielelectrophilic erythro, threo, xylo, ribo, arabino, manno and gluco α,ω -dibromoalditol derivatives

Tetrahedron Letters 42 (2001) 3307

Sami Halila, Mohammed Benazza* and Gilles Demailly*

Laboratoire des Glucides, Université de Picardie Jules Verne, 33 rue Saint-Leu, F-80039 Amiens, France



Organochromium/organoiron dipoles comprising (η^6 -arene)chromium and (η^5 -cyclohexadienyl)iron(1+) complexes linked with conjugated spacers

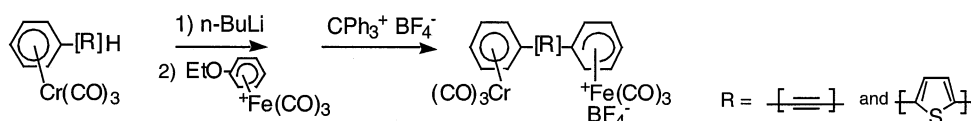
Tetrahedron Letters 42 (2001) 3311

Jean-Philippe Tranchier,^a René Chavignon,^a Damien Prim,^a Audrey Auffrant,^a Jose Giner Planas,^a Françoise Rose-Munch,^a Eric Rose^{a,*} and G. Richard Stephenson^{b,*}

^aLaboratoire de Synthèse Organique et Organométallique, UMR CNRS 7611, Université P. et M. Curie, Tour 44, 4, Place Jussieu, 75252 Paris Cedex 05, France

^bWolfson Materials and Catalysis Centre, School of Chemical Sciences, University of East Anglia, Norwich NR4 7T, UK

Bimetallic monocation dipoles have been synthesised utilising Stille and Sonogashira coupling reactions.

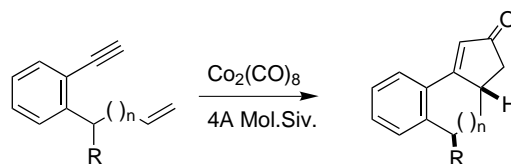


Diastereoselective Pauson–Khand reactions on aromatic substrates

Tetrahedron Letters 42 (2001) 3315

Jaime Blanco-Urgoiti, Luis Casarrubios, Gema Domínguez and Javier Pérez-Castells*

Departamento de Química Orgánica y Farmacéutica, Facultad de CC. Experimentales y Técnicas, Universidad San Pablo-CEU, Urb. Montepríncipe, Boadilla del Monte, 28668 Madrid, Spain



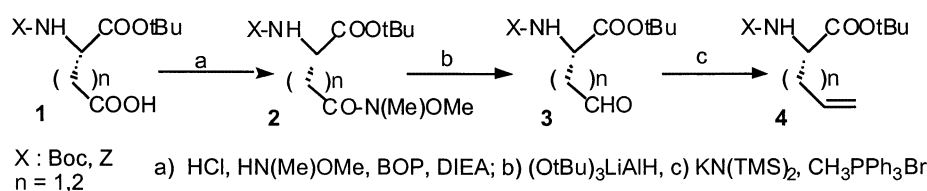
Stereoselective synthesis of allyl- and homoallylglycines

Tetrahedron Letters 42 (2001) 3319

Céline Douat,^a Annie Heitz,^b Jean Martinez^{a,*} and Jean-Alain Fehrentz^a

^aLAPP, associé au CNRS-Universités Montpellier I & II, Faculté de Pharmacie, 15 av. C. Flahault, 34060 Montpellier, France

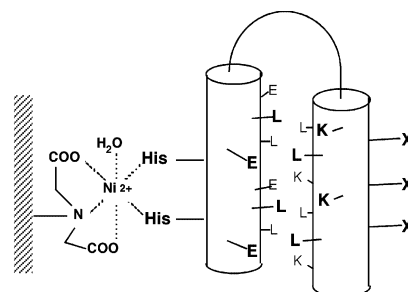
^bCBS, UMR5048 CNRS-UMI, Faculté de Pharmacie, Montpellier, France



A conformationally purified α -helical peptide library

Ikuo Fujii,* Yumiko Takaoka, Kazuo Suzuki and Toshiki Tanaka
Biomolecular Engineering Research Institute, Suita, Osaka 565-0874, Japan

Tetrahedron Letters 42 (2001) 3323



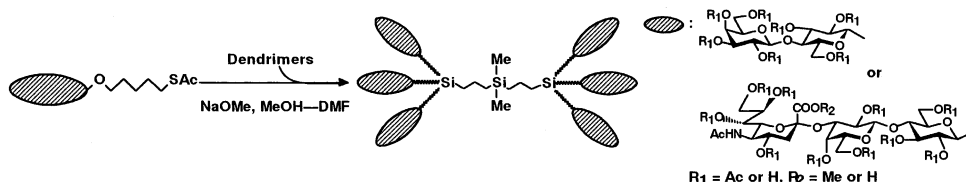
An alternative route for the construction of carbosilane dendrimers uniformly functionalized with lactose or sialyllactose moieties

Koji Matsuoka,^{a,*} Hiroyuki Oka,^a Tetsuo Koyama,^a Yasuaki Esumi^b and Daiyo Terunuma^a

^aDepartment of Functional Materials Science, Faculty of Engineering, Saitama University, Urawa, Saitama 338-8570, Japan

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

Tetrahedron Letters 42 (2001) 3327



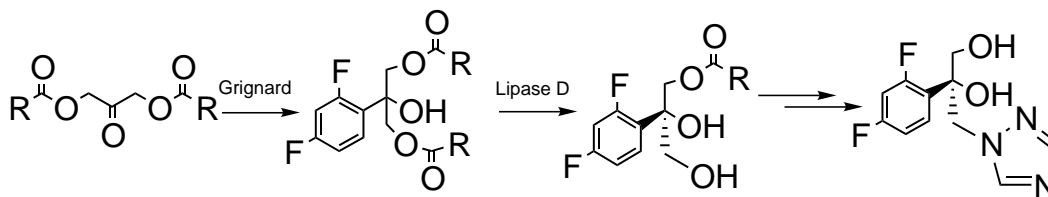
A practical chemoenzymatic synthesis of a key intermediate of antifungal agents

Yoshihiko Yasohara,^{a,*} Kenji Miyamoto,^b Noriyuku Kizaki,^a Junzo Hasegawa^a and Takehisa Ohashi^b

^aFine Chemicals Research Laboratories, Kaneka Corporation, 1-8 Miyamae, Takasago, Hyogo 676-8688, Japan

^bLifescience Research Laboratories, Kaneka Corporation, 1-8 Miyamae, Takasago, Hyogo 676-8688, Japan

Tetrahedron Letters 42 (2001) 3331



Structure of a novel multidrug resistance modulator, irciniasulfonic acid, isolated from a marine sponge, *Ircinia* sp.

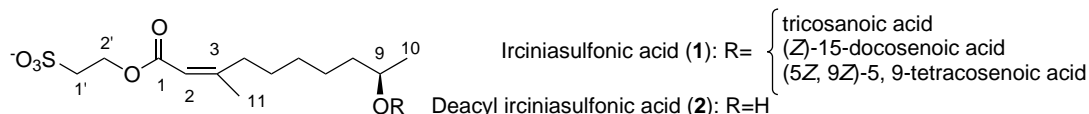
Ayako Kawakami,^a Tomofumi Miyamoto,^a Ryuichi Higuchi,^{a,*} Takeshi Uchiumi,^b Michihiko Kuwano^b and Rob W. M. Van Soest^c

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

^bDepartment of Medical Biochemistry, Graduate School of Medical Sciences, Kyushu University, Maidashi 3-1-1, Higashi-ku, Fukuoka 812-8582, Japan

^cInstitute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, PO Box 94766, 1090 GT Amsterdam, Netherlands

Tetrahedron Letters 42 (2001) 3335



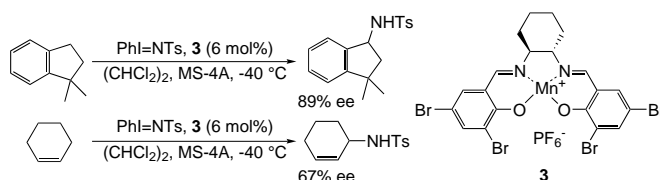
Mn(salen)-catalyzed enantioselective C–H amination

Tetrahedron Letters 42 (2001) 3339

Yoshinori Kohmura 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

Chiral cationic tetrabromosubstituted (salen)manganese(III) complex **3** was found to be an efficient catalyst for asymmetric C–H amination. In the reaction of cycloalkenes, allylic amination occurred in preference to aziridination.

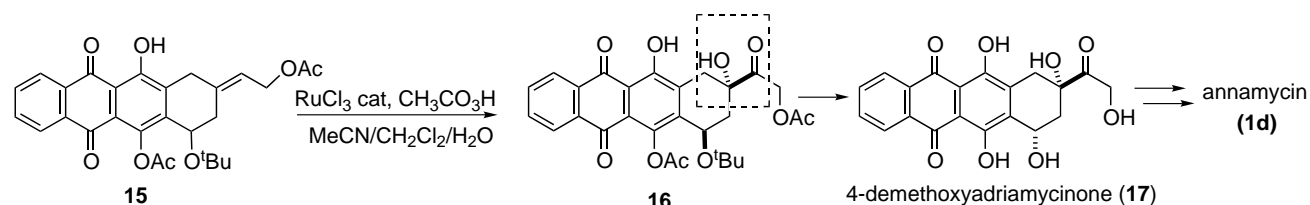


Synthesis of 4-demethoxyadriamycinone utilizing ruthenium-catalyzed oxidation of allyl acetates

Tetrahedron Letters 42 (2001) 3343

Torsten Hottop, Hans-Jürgen Gutke and Shun-Ichi Murahashi*

Department of Chemistry, Graduate School of Engineering Science, Osaka University, 1-3, Machikaneyama, Toyonaka, Osaka 560-8531, Japan



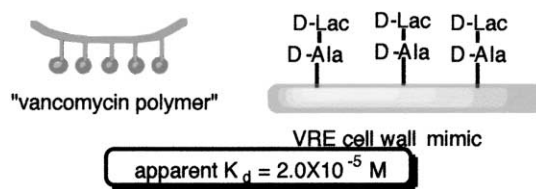
Affinity of a vancomycin polymer with bacterial surface models

Tetrahedron Letters 42 (2001) 3347

Hirokazu Arimoto,^{a,*} Takehisa Oishi,^a Manabu Nishijima^a and Tomoya Kinumi^b

^aDepartment of Chemistry, Faculty of Science, Shizuoka University, 836 Ohya, Shizuoka 422-8529, Japan

^bDepartment of Biochemistry and Cell Biology, National Institute of Infectious Diseases, Tokyo 162-8640, Japan



Synthesis of naphthalenes using acid-catalyzed ring-opening and recyclization of 3-acetyl-5,5-diaryl-2-methyl-4,5-dihydrofurans. Isolation of intermediates

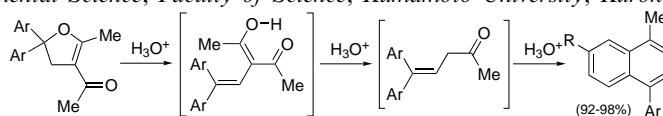
Tetrahedron Letters 42 (2001) 3351

Shougo Kajikawa,^a Hiroshi Nishino^{b,*} and Kazu Kurosawa^c

^aDepartment of Environmental Science, Graduate School of Science and Technology, Kumamoto University, Kurokami 2-39-1, Kumamoto 860-8555, Japan

^bInstitute for Fundamental Research of Organic Chemistry (IFOC), Kyushu University, Hakozaki 6-10-1, Higashi-ku, Fukuoka 812-8581, Japan

^cDepartment of Environmental Science, Faculty of Science, Kumamoto University, Kurokami 2-39-1, Kumamoto 860-8555, Japan

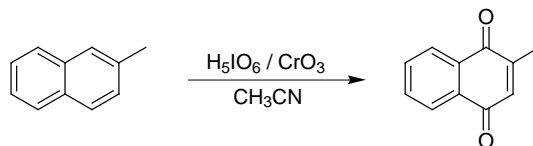


Chromium(VI) oxide-catalyzed oxidation of arenes with periodic acid

Tetrahedron Letters 42 (2001) 3355

Shigekazu Yamazaki*

Toyama Industrial Technology Center, 150 Futagami, Takaoka, Toyama 933-0981, Japan

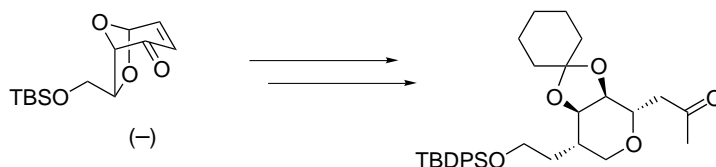


A diastereocontrolled route to the tetrahydropyran nucleus of pseudomonic acids

Tetrahedron Letters 42 (2001) 3359

Takahiko Taniguchi and Kunio Ogasawara*

Pharmaceutical Institute, Tohoku University, Aobayama, Sendai 980-8578, Japan



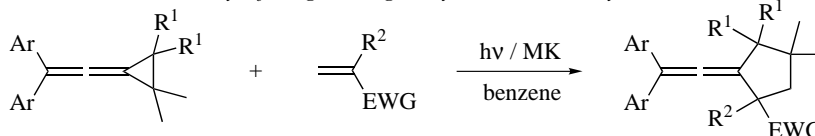
A novel (3+2) photocycloaddition of electron-deficient alkenes to diarylvinylidenecyclopropanes: regioselective formation of vinylidenecyclopentanes

Tetrahedron Letters 42 (2001) 3363

Kazuhiko Mizuno,^{a,*} Hikaru Sugita,^a Takayoshi Hirai,^a Hajime Maeda,^a Yoshio Otsuji,^a Masahide Yasuda,^b Mitsuhiro Hashiguchi^b and Kensuke Shima^b

^aDepartment of Applied Chemistry, Graduate School of Engineering, Osaka Prefecture University, 1-1 Gakuen-cho, Sakai, Osaka 599-8531, Japan

^bDepartment of Materials Science, Faculty of Engineering, Miyazaki University, 1-1 Gakuen-Kibanadai, Miyazaki 889-2192, Japan

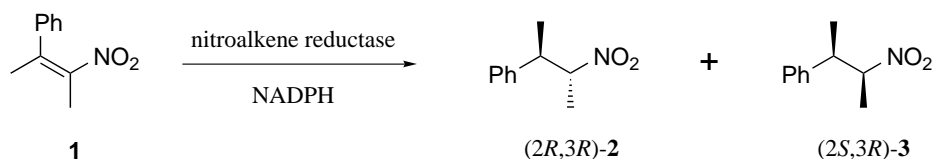


Asymmetric synthesis of a nitroalkane by the use of novel nitroalkene reductases from baker's yeast

Tetrahedron Letters 42 (2001) 3367

Yasushi Kawai,* Yoshikazu Inaba, Motoko Hayashi and Norihiro Tokitoh

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan



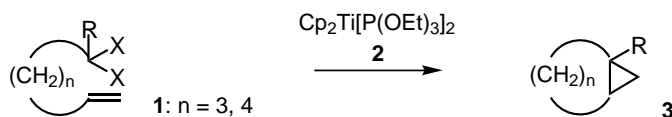
Titanocene(II)-promoted reaction of *gem*-dihalides possessing a terminal double bond. New intramolecular cyclopropanation

Tetrahedron Letters 42 (2001) 3369

Tooru Fujiwara, Miho Odaira and Takeshi Takeda*

Department of Applied Chemistry, Tokyo University of Agriculture and Technology, Koganei, Tokyo 184-8588, Japan

The treatment of 6,6- and 7,7-dihalo-1-alkenes **1** with the titanocene(II) species **2** produced bicyclo[3.1.0]hexane and bicyclo[4.1.0]heptane derivatives **3**, respectively.



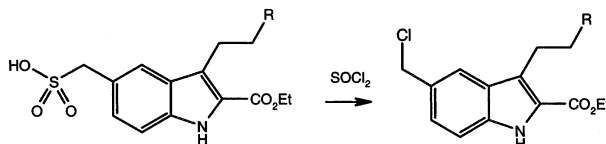
Synthesis of 5-substituted indole derivatives. Part 3: A facile synthesis of 5-chloromethyl-1*H*-indole-2-carboxylates: replacement of sulfonic acid functionality by chlorine

Tetrahedron Letters 42 (2001) 3373

Béla Pete* and László Tőke

Organic Chemical Technology Research Group of the Hungarian Academy of Sciences at the Technical University of Budapest, H-1521 Budapest, Hungary

5-(Chloromethyl)indoles were prepared from indole-5-methanesulfonic acids by facile replacement of the SO₂ group with Cl. The (chloromethyl)indoles easily underwent hydrolysis or alcoholysis.



Synthesis and biological activity of analogues of ptilomycalin A

Tetrahedron Letters 42 (2001) 3377

Gregory P. Black,^a Simon J. Coles,^c Amnon Hizi,^c Andrew G. Howard-Jones,^a Michael B. Hursthouse,^c Alan T. McGown,^d Shoshana Loya,^c Christopher G. Moore,^a Patrick J. Murphy,^{a,*} Nigel K. Smith^d and Nigel D. A. Walshe^b

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

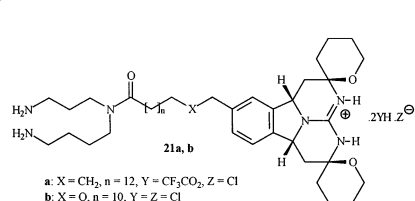
^b*Pfizer Limited, Central Research, Sandwich, Kent CT13 9NJ, UK*

^c*Department of Cell Biology and Histology, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*

^d*Christie CRC Research Centre, Paterson Institute for Cancer Research, Christie NHS Trust, Wilmslow Road, Manchester M20 4BX, UK*

^e*Department of Chemistry, University of Southampton, Highfield, Southampton SO17 1BJ, UK*

Benzo-fused model compounds **21a** and **21b**, resembling in structure the marine metabolite ptilomycalin A, were prepared and were shown to display significant activity against a series of cancer cell lines and to also possess a significant activity against the DNA polymerase activity of the reverse transcriptase of human immunodeficiency virus type 1 (HIV-1 RT).



New and facile method of preparation of the anti-HIV-1 agent, 1,3-dicaffeoylquinic acid

Tetrahedron Letters 42 (2001) 3383

Jiří Slanina,^{a,*} Eva Tábořská,^a Hana Bochořáková,^a Iva Slaninová,^b Otakar Humpa,^c W. Edward Robinson, Jr.,^d and Karl H. Schram^e

^a*Department of Biochemistry, Faculty of Medicine, Masaryk University, Komenského nám. 2, 662 43 Brno, Czech Republic*

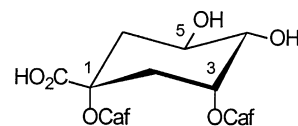
^b*Department of Biology, Faculty of Medicine, Masaryk University, Joštova 10, 662 43 Brno, Czech Republic*

^c*Department of Organic Chemistry, Faculty of Science, Masaryk University, Kotlářská 2, 611 37 Brno, Czech Republic*

^d*Department of Pathology and Microbiology and Molecular Genetics, University of California, Irvine, CA 92697-4800, USA*

^e*Division of Medicinal Chemistry, Department of Pharmacology/Toxicology, College of Pharmacy, University of Arizona, Tucson, AZ 85721, USA*

A facile preparation of 1,3-dicaffeoylquinic acid (cynarin) based on isomerisation of 1,5-dicaffeoylquinic acid is described. Cynarin inhibited replication of HIV-1 in MT-2 cell culture at non-toxic concentrations similar to other previously tested dicaffeoylquinic acids, a potent and highly selective class of HIV-1 integrase inhibitors.

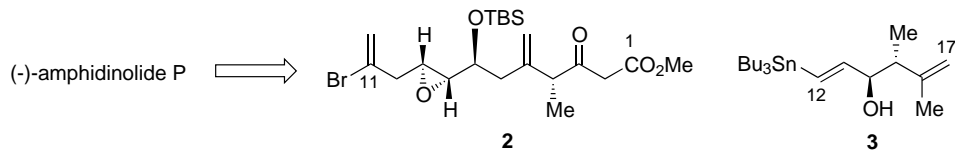


**Studies directed toward the syntheses of amphidinolides:
formal total synthesis of (–)-amphidinolide P**

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Tetrahedron Letters 42 (2001) 3387

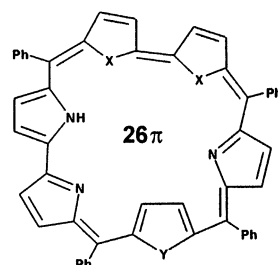


Characterization of a new *meso*-aryl rubyrin isomer: [26]hexaphyrin (1.1.1.0.1.0) with an inverted heterocyclic ring

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High isolated yields in thermolysin-catalysed synthesis of *Z*-L-aspartyl-L-phenylalanine methyl ester in toluene at controlled water activity

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