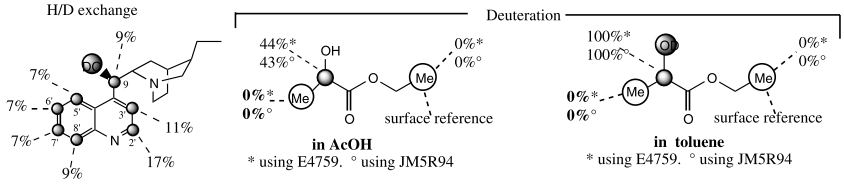
Proton/deuterium exchange in cinchonidine and deuteration of ethyl pyruvate using platinum/Al_2O_3 catalysts

Tetrahedron Letters 43 (2002) 2671

A. Solladié-Cavallo,[a,*] F. Hoernel,[a,b] M. Schmitt[a] and F. Garin[b]

[a]*Laboratoire de Stéréochimie Organométallique associé au CNRS, ECPM/Université L. Pasteur, 25 rue Becquerel, 67087 Strasbourg, France*

[b]*LMSPC, ECPM/Université Louis Pasteur, 25 rue Becquerel, 67087 Strasbourg Cedex 02, France*

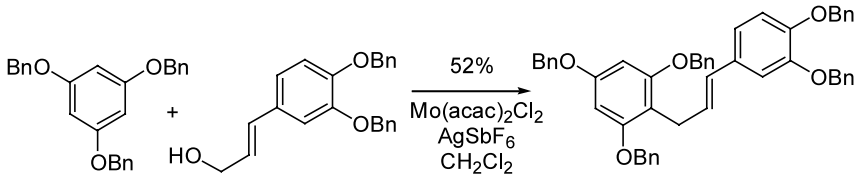


Methods in synthesis of flavonoids. Part 3: Molybdenum(IV)-catalyzed coupling of cinnamyl alcohols to phenol derivatives

Tetrahedron Letters 43 (2002) 2675

Bastien Nay, Magalie Collet, Marjolène Lebon, Catherine Chèze and Joseph Vercauteren*

EA 491, Laboratoire de Pharmacognosie, Faculté de Pharmacie, Université Victor Segalen Bordeaux 2, 146, rue Léo Saignat, F-33076 Bordeaux, France



Preparation and stereoselective hydrogenation of chiral (4-hydroxy-tetrafuranylidene)carboxylates: a new formal entry to functional *anti*- and *syn*-3,5-dihydroxyesters

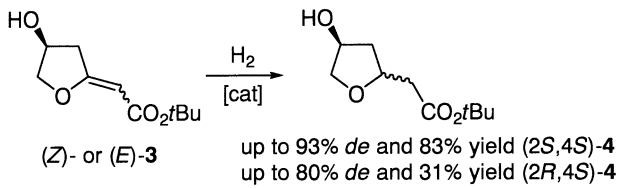
Tetrahedron Letters 43 (2002) 2679

Jean-Luc Scheffler,[a] Virginie Bette,[a] André Mortreux,[a] Guy Nowogrocki[b] and Jean-François Carpentier[c,*]

[a]*Laboratoire de Chimie Organique Appliquée, ENSCL, B.P. 108-59652 Villeneuve d'Ascq, France*

[b]*Laboratoire de Physicochimie des Solides, ENSCL, B.P. 108-59652 Villeneuve d'Ascq, France*

[c]*Laboratoire Organométalliques et Catalyse, Université de Rennes 1, 35042 Rennes, Cedex, France*



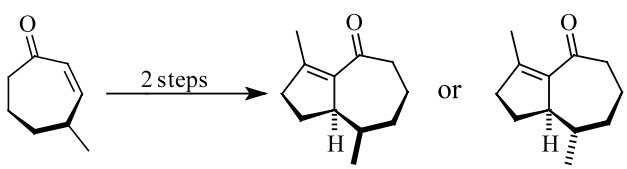
New ((*S*)-4-hydroxy-tetrafuranylidene)carboxylates have been prepared from (*S*)-4-chloro-3-hydroxybutyrate and AcO*t*Bu-LDA enolate, and hydrogenated with various catalysts.

Formal total synthesis of the trinorguaiane sesquiterpenes (+/−)-clavukerin A and (+/−)-isoclavukerin

Tetrahedron Letters 43 (2002) 2683

Jan C. Friese, Stefan Krause and Hans J. Schäfer*

Organisch-Chemisches Institut, Westfälische Wilhelms-Universität Münster, Corrensstrasse 40, D-48149 Münster, Germany



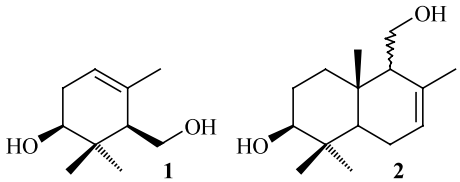
Tetrahedron Letters 43 (2002) 2687

$FeCl_3$ and $ZrCl_4$ regiochemically controlled biomimetic-like cyclizations of simple isoprenoid epoxyolefins

Giovanni Vidari,* Stephen Beszant, Jamal El Merabet, Marcella Bovolenta and Giuseppe Zanoni

Dipartimento di Chimica Organica, Via Taramelli 10, 27100 Pavia, Italy

$FeCl_3 \cdot 6H_2O$ and $ZrCl_4$ efficiently promote the biomimetic-like cyclization of geraniol and farnesol epoxides, yielding the corresponding *endo* olefins, **1** and **2**, respectively, with complete positional control.



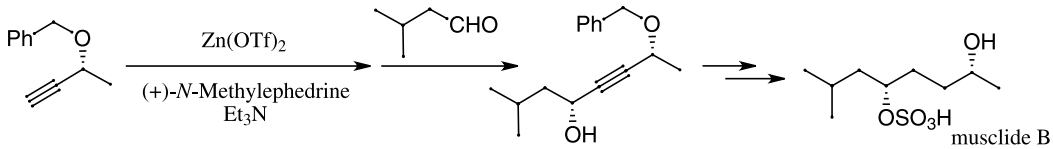
Tetrahedron Letters 43 (2002) 2691

Stereoselective approach to alk-2-yne-1,4-diols. Application to the synthesis of musclide B

Marta Amador, Xavier Ariza,* Jordi Garcia* and Jordi Ortiz

Departament de Química Orgànica, Universitat de Barcelona, Martí i Franquès 1, 08028 Barcelona, Catalonia, Spain

An expedient method for the stereoselective preparation of alk-2-yne-1,4-diols, based on Carreira's reaction of chiral Zn-alkynylides with aldehydes is disclosed. This strategy has been applied to a formal synthesis of musclide B.



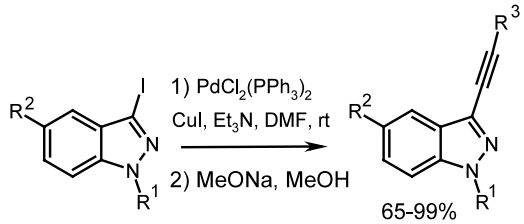
Tetrahedron Letters 43 (2002) 2695

Sonogashira cross-coupling reaction of 3-iodoindazoles with various terminal alkynes: a mild and flexible strategy to design 2-aza tryptamines

Anca Arnautu,[a] Valérie Collot,[a] Javier Calvo Ros,[b] Carole Alayrac,[b] Bernhard Witulski[b,*] and Sylvain Rault[a,*]

[a]*Centre d'Etudes et de Recherche sur le Médicament de Normandie, UFR des Sciences Pharmaceutiques, 5 rue Vaubénard, 14032 Caen Cedex, France*

[b]*Fachbereich Chemie der Universität Kaiserslautern, Erwin Schrödinger Strasse, D-67663 Kaiserslautern, Germany*



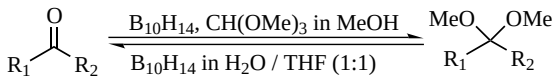
This paper describes the synthesis of new 3-alkynylindazoles via a Sonogashira cross-coupling reaction.

Tetrahedron Letters 43 (2002) 2699

An efficient protection of carbonyls and deprotection of acetals using decaborane

Seung Hwan Lee, Ji Hee Lee and Cheol Min Yoon*

Graduate School of Biotechnology, Korea University, Seoul, South Korea



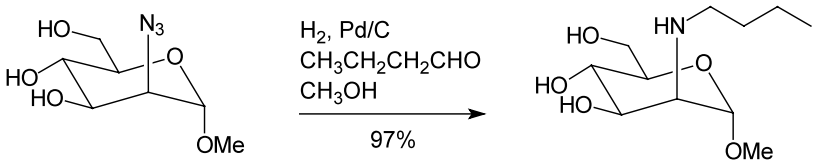
Tandem reduction–reductive alkylation of azido sugars

Tetrahedron Letters 43 (2002) 2705

Liqiang Chen and David F. Wiemer*

Department of Chemistry, University of Iowa, Iowa City, IA 52242-1294, USA

Catalytic hydrogenation of azido sugars has been conducted in the presence of different aldehydes to bring about a tandem reduction–reductive alkylation sequence.



Preparation and deprotection of 1,1-diacetates (acylals) using zirconium sulfophenyl phosphonate as catalyst

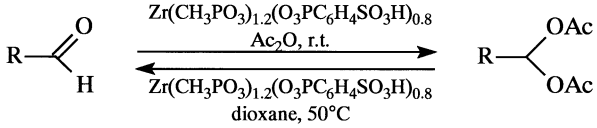
Tetrahedron Letters 43 (2002) 2709

Massimo Curini,[a,*] Francesco Epifano,[a] Maria Carla Marcotullio,[a] Ornelio Rosati[a] and Morena Nocchetti[b]

[a]*Dipartimento di Chimica e Tecnologia del Farmaco, Sezione di Chimica Organica, Facoltà di Farmacia, Università degli Studi, Via del Liceo, I-06123 Perugia, Italy*

[b]*Dipartimento di Chimica, Università degli Studi, Via del Liceo, I-06123 Perugia, Italy*

Layered zirconium sulfophenyl phosphonate was found to be an efficient heterogeneous catalyst for the preparation and deprotection of 1,1-diacetates.



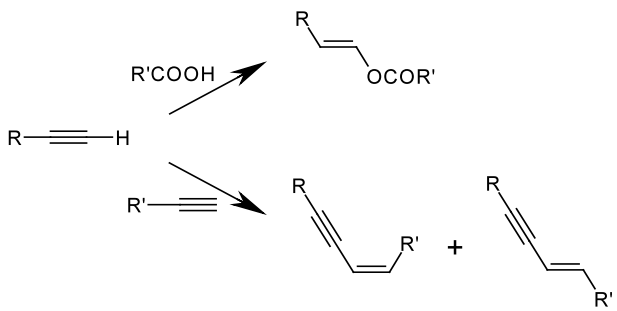
Ruthenium-catalyzed selective anti-Markovnikov *trans* addition of carboxylic acids and tail-to-tail dimerization of terminal alkynes

Tetrahedron Letters 43 (2002) 2713

Karen Melis,[a] Pawel Samulkiewicz,[b] Jacek Rynkowski[b] and Francis Verpoort[a,*]

[a]*Department of Inorganic and Physical Chemistry, Ghent University, Krijgslaan 281 (S-3), 9000 Ghent, Belgium*

[b]*Institute of General Chemistry, Technical University of Lodz, 90-924 Lodz, ul. Zwirki 36, Poland*

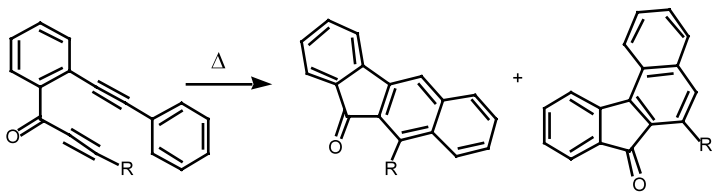


A new rearrangement of cyclic allenes via 1,2-dehydro[10]annulenes: formation of benzo[*c*]fluorenones

Tetrahedron Letters 43 (2002) 2717

David Rodríguez, Armando Navarro-Vázquez, Luis Castedo, Domingo Domínguez* and Carlos Saá*

Departamento de Química Orgánica y Unidad Asociada al CSIC, Facultad de Química, Universidad de Santiago de Compostela, 15782 Santiago de Compostela, Spain

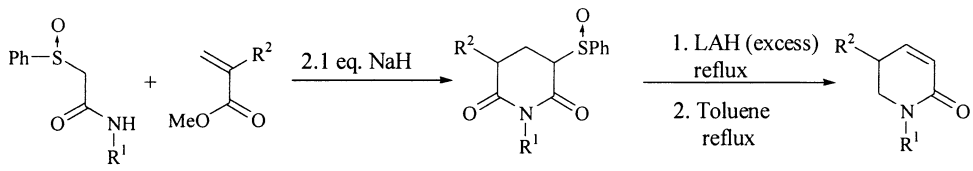


Tetrahedron Letters 43 (2002) 2721

An efficient synthesis of γ-substituted α,β-unsaturated δ-lactams. Formal synthesis of (±)-protoemetinol

Chang-Gin Huang, Bo-Rui Chang and Nein-Chen Chang*

Department of Chemistry, National Sun Yat-Sen University, Kaohsiung 804, Taiwan, ROC

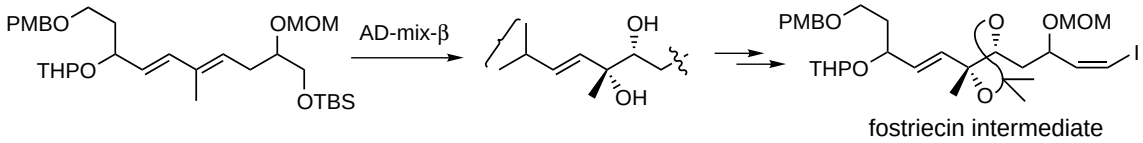


Tetrahedron Letters 43 (2002) 2725

A study toward a total synthesis of fostriecin

Yohei Kiyotsuka, Junji Igarashi and Yuichi Kobayashi*

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



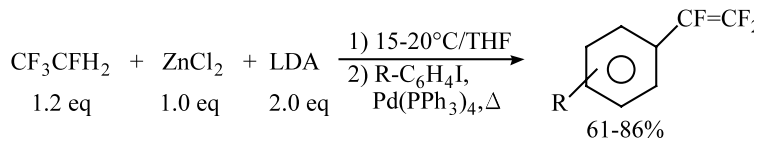
fostriecin intermediate

Tetrahedron Letters 43 (2002) 2731

A remarkable room temperature preparation of the trifluorovinylzinc reagent from HFC-134a. A cost-effective, high yield synthesis of α,β,β-trifluorostyrenes

R. Anilkumar and Donald J. Burton*

Department of Chemistry, University of Iowa, Iowa City, IA 52242, USA



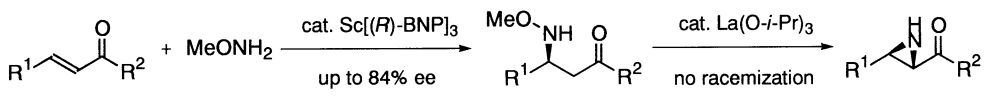
61-86%

Tetrahedron Letters 43 (2002) 2735

Catalytic conversion of conjugated enones into optically active α-keto aziridines using chiral rare earth metal complexes

Hiroyasu Sugihara, Kazuhiro Daikai, Xiu Lan Jin, Hiroshi Furuno and Junji Inanaga*

Institute for Fundamental Research of Organic Chemistry (IFOC), Kyushu University, Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

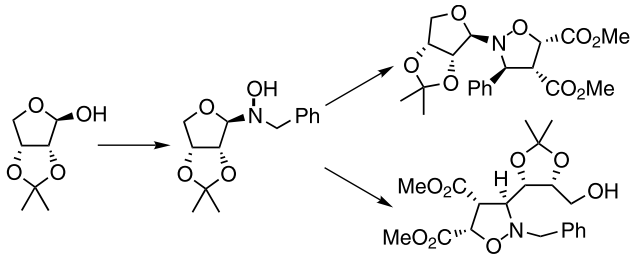


Tetrahedron Letters 43 (2002) 2741

Practical synthesis of *N*-alkyl-*N*-glycosylhydroxylamines, multitalented precursors of enantiomerically pure nitrones

Stefano Cicchi, Massimo Corsi, Marco Marradi and Andrea Goti*

Dipartimento di Chimica Organica 'Ugo Schiff', Centro di Studio sulla Chimica e la Struttura dei Composti Eterociclici e loro Applicazioni (CSCEA), C.N.R., Polo Scientifico, Università di Firenze, via della Lastruccia 13, I-50019 Sesto Fiorentino, Firenze, Italy



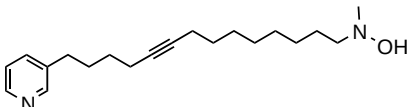
Tetrahedron Letters 43 (2002) 2745

Total synthesis of cytotoxic sponge alkaloids hachijodines F and G

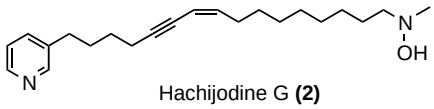
William R. F. Goundry, Victor Lee and Jack E. Baldwin*

The Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK

The synthesis of compounds **1** and **2** is described.



Hachijodine F **(1)**



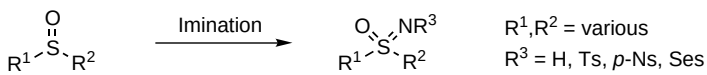
Hachijodine G **(2)**

Tetrahedron Letters 43 (2002) 2749

A study of the functional group compatibility of sulfoximination methods

Sylvaine Cren, Taryn C. Kinahan, Catharine L. Skinner and Heather Tye*

School of Chemical Sciences, The University of Birmingham, Edgbaston, Birmingham B15 2TT, UK

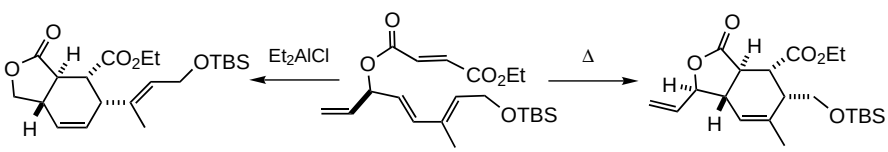


Tetrahedron Letters 43 (2002) 2753

On the Diels–Alder reactions and the Lewis acid induced rearrangements of 6-fumaryl 1,3,8-nonatrienes

Paul A. Clarke,[a,*] Rebecca L. Davie[a] and Simon Peace[b]

[a]*School of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD, UK*
[b]*Medicinal Chemistry, GlaxoSmithKline R&D, Gunnels Wood Road, Stevenage SG1 2NY, UK*



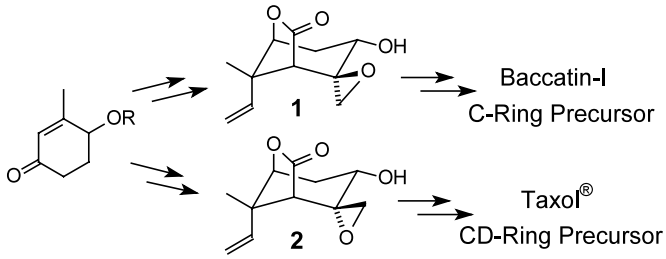
Tetrahedron Letters 43 (2002) 2757

A stereocontrolled approach towards highly oxygenated taxane C and CD-ring precursors

Jean-Pierre Uttaro, Gérard Audran, Jean-Marie Galano and Honoré Monti*

Laboratoire de Réactivité Organique Sélective UMR 6516 Faculté des Sciences de St-Jérôme (case 551), Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France

A stereocontrolled approach of Baccatin-I C-ring precursor or Taxol® CD-ring precursor is reported.

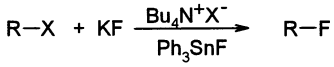


Tetrahedron Letters 43 (2002) 2761

Cocatalysis by tetravalent tin compounds in phase-transfer catalyzed fluorination of alkyl halides and sulfonates

Mieczysław Mąkosza* and Robert Bujok

Institute of Organic Chemistry, Polish Academy of Sciences, ul. Kasprzaka 44/52, 01-224 Warsaw 42, POB 58, Poland

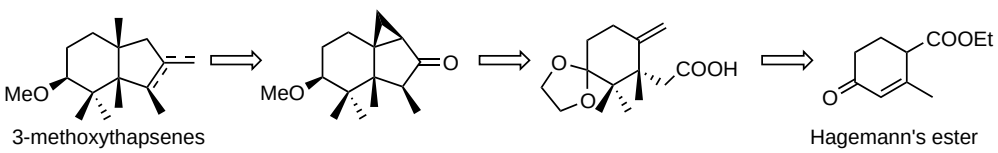


Tetrahedron Letters 43 (2002) 2765

Stereospecific construction of three contiguous quaternary carbon atoms. Synthesis of (±)-3-methoxythaps-8-ene

A. Srikrishna* and D. B. Ramachary

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

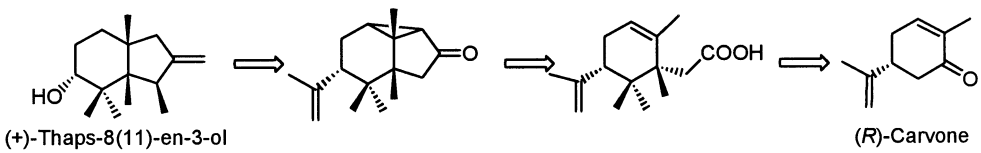


Tetrahedron Letters 43 (2002) 2769

An enantiospecific approach to (+)-thaps-8(11)-en-3-ol

A. Srikrishna* and K. Anebouselvy

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

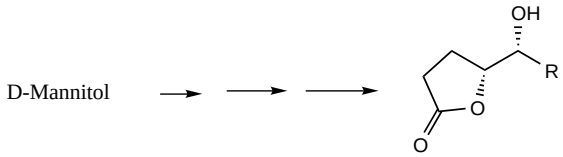


Tetrahedron Letters 43 (2002) 2773

An efficient strategy for the synthesis of 5-hydroxyalkylbutan-4-olides from D-mannitol: total synthesis of (−)-muricatacin

M. Chandrasekhar, Kusum L. Chandra and Vinod K. Singh*

Department of Chemistry, Indian Institute of Technology, Kanpur 208016, India



Tetrahedron Letters 43 (2002) 2777

Chemoselective deprotection of primary *tert*-butyldimethylsilyl ethers on carbohydrate molecules in the presence of secondary silyl ethers

Ming-Yi Chen,[a,*] Kuo-Cheng Lu,[b] Adam Shih-Yuan Lee[c,*] and Chun-Cheng Lin[b,d,*]

[a]*Department of General Education, Taipei Nursing College, Taipei 112, Taiwan*
[b]*Institute of Chemistry, Academia Sinica, Nankang, Taipei 115, Taiwan*
[c]*Department of Chemistry, Tamkang University, Tamsui 251, Taiwan*
[d]*Department of Chemistry, National Changhua University of Education, Changhua 500, Taiwan*

Tetrahedron Letters 43 (2002) 2781

The reactions of thiols and diphenyldisulfide with terminally substituted methylenecyclopropanes

Bo Xu,[a] Yu Chen[b] and Min Shi[a,*]

[a]*State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China*
[b]*Department of Chemistry, East China Normal University, 3663 Zhong Shan Bei Lu, Shanghai 200062, China*

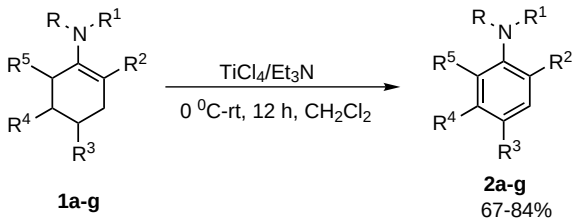
The reactions of thiols with terminally substituted methylenecyclopropanes give Markovnikov adducts along with cyclopropane ring-opened products under mild reaction conditions.

Tetrahedron Letters 43 (2002) 2785

Aromatization of enamines using the $TiCl_4/Et_3N$ reagent system

Gadthula Srinivas and Mariappan Periasamy*

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

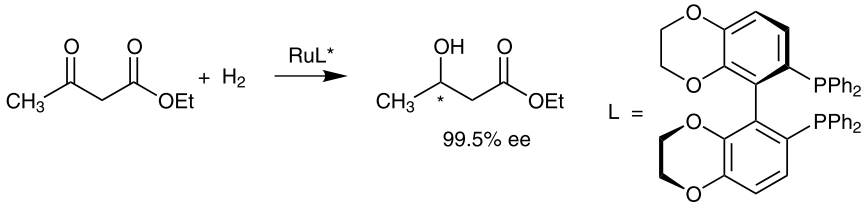


Tetrahedron Letters 43 (2002) 2789

Synthesis of new chiral diphosphine ligand (BisbenzodioxanPhos) and its application in asymmetric catalytic hydrogenation

Cheng-Chao Pai, Yue-Ming Li, Zhong-Yuan Zhou and Albert S. C. Chan*

Open Laboratory of Chirotechnology of the Institute of Molecular Technology for Drug Design and Synthesis and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China



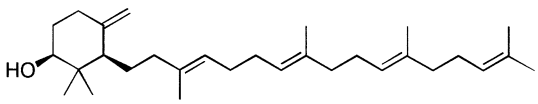
Tetrahedron Letters 43 (2002) 2793

First synthesis of achilleol A using titanium(III) chemistry

Alejandro F. Barrero,* Juan M. Cuerva, E. J. Alvarez-Manzaneda, J. Enrique Oltra and Rachid Chahboun

Contribution from Instituto de Biotecnología, Departamento de Química Orgánica, Facultad de Ciencias, 18071 Granada, Spain

A straightforward synthesis of the monocyclic triterpene achilleol A using as key step titanium(III) chemistry. This synthesis confirms the previously described structure based on spectroscopic methods.



Achilleol A

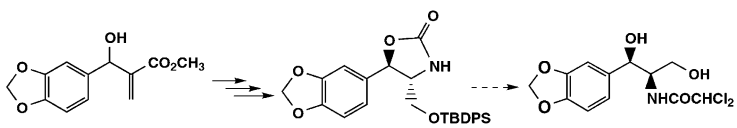
Tetrahedron Letters 43 (2002) 2797

An approach to oxazolidin-2-ones from the Baylis–Hillman adducts. Formal synthesis of a chloramphenicol derivative

Fernando Coelho* and Rodrigo C. Rossi

DQO, IQ/Unicamp, PO Box 6154, 13083-970 Campinas, São Paulo, Brazil

In this communication we describe a diastereoselective approach to prepare functionalised oxazolidin-2-ones from Baylis–Hillman adducts. A stereoselective synthesis of a highly substituted vicinal aminoalcohol and a formal synthesis of a chloramphenicol derivative are also described.



Baylis-Hillman adduct **functionalized oxazolidin-2-one** **chloramphenicol derivative**

Tetrahedron Letters 43 (2002) 2801

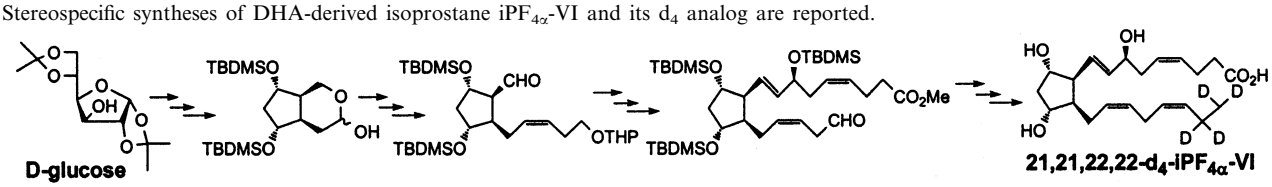
The first total synthesis of iPF$_{4\alpha}$-VI and its deuterated analog

Seongjin Kim,[a] John A. Lawson,[b] Domenico Praticò,[b] Garret A. FitzGerald[b] and Joshua Rokach[a,*]

[a]*Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, 150 W. University Blvd., Melbourne, FL 32901, USA*

[b]*The Center for Experimental Therapeutics, The University of Pennsylvania, Philadelphia, PA 19104, USA*

Stereospecific syntheses of DHA-derived isoprostane iPF$_{4\alpha}$-VI and its d_4 analog are reported.

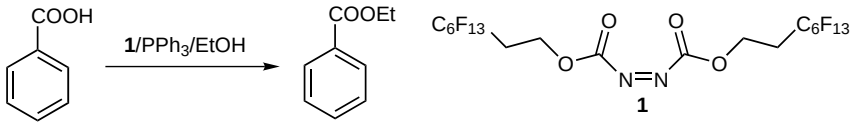


D-glucose **21,21,22,22-d_4-iPF$_{4\alpha}$-VI**

Tetrahedron Letters 43 (2002) 2807

Synthesis of fluorous azodicarboxylates: towards cleaner Mitsunobu reactions

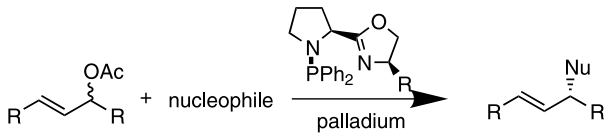
Adrian P. Dobbs* and Caroline McGregor-Johnson
School of Chemistry, University of Exeter, Stocker Road, Exeter EX4 4QD, UK



Tetrahedron Letters 43 (2002) 2811

Facile synthesis of proline based phosphine–oxazoline ligands by formation of a P–N bond

Guopin Xu and Scott R. Gilbertson*
Department of Chemistry, Washington University, St. Louis, MO 63130, USA

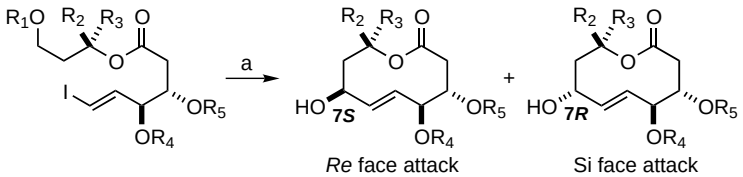


Tetrahedron Letters 43 (2002) 2815

Stereoselectivity in the intramolecular Nozaki–Hiyama–Kishi reaction: influence of the substitution pattern and protecting groups in the construction of 10-membered lactones

Ronaldo A. Pilli* and Mauricio M. Victor
Instituto de Química, UNICAMP, CP 6154, Campinas 13083-970, Brazil

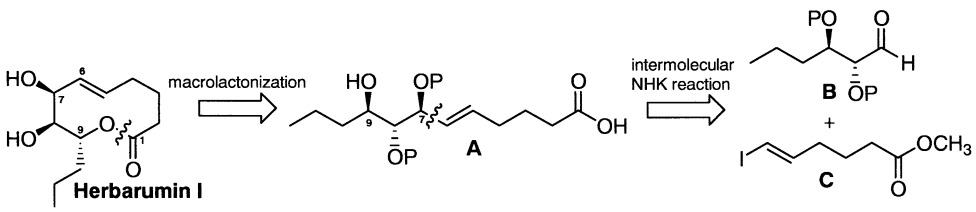
Key: (a) (i) R_1 deprotection. (ii) Dess–Martin oxidation. (iii) NHK cyclization.



Tetrahedron Letters 43 (2002) 2819

Total synthesis of (+)-herbarumin I via intermolecular Nozaki–Hiyama–Kishi reaction

Adão Aparecido Sabino and Ronaldo A. Pilli*
Instituto de Química, UNICAMP, P.O. Box 6154, 13083-970 Campinas, SP, Brazil

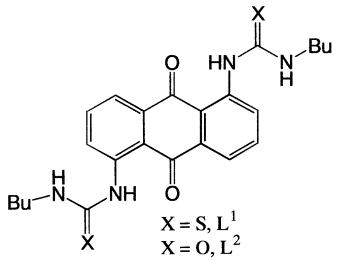


Tetrahedron Letters 43 (2002) 2823

Selective fluoride sensing using colorimetric reagents containing anthraquinone and urea or thiourea binding sites

Diego Jiménez, Ramón Martínez-Máñez,* Félix Sancenón and Juan Soto

Departamento de Química, Universidad Politécnica de Valencia, Camino de Vera s/n, 46071 Valencia, Spain

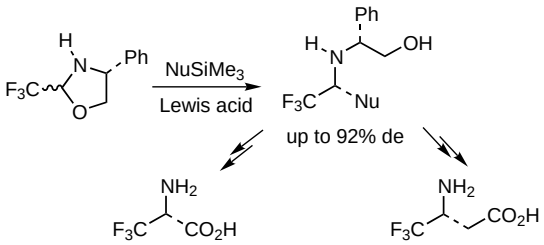


Tetrahedron Letters 43 (2002) 2827

Lewis acid activation of chiral 2-trifluoromethyl-1,3-oxazolidines. Application to the stereoselective synthesis of trifluoromethylated amines, α- and β-amino acids

Nicolas Lebouvier, Christophe Laroche, Florent Huguenot and Thierry Brigaud*

Laboratoire «Réactions Sélectives et Applications», Associé au CNRS (UMR 6519), Université de Reims Champagne-Ardenne, Faculté des Sciences, BP 1039, 51687 Reims Cedex 2, France

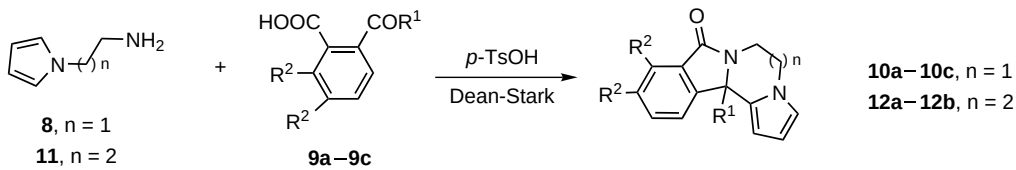


Tetrahedron Letters 43 (2002) 2831

Convenient syntheses of dihydropyrrolo[2′,1′:3,4]pyrazino- and dihydropyrrolo[2′,1′:3,4][1,4]diazepino-[2,1-*a*]isoindolones

Alan R. Katritzky,* Hai-Ying He and Rong Jiang

Center for Heterocyclic Compounds, Department of Chemistry, University of Florida, Gainesville, FL 32611-7200, USA



8, n = 1
11, n = 2

9a–9c

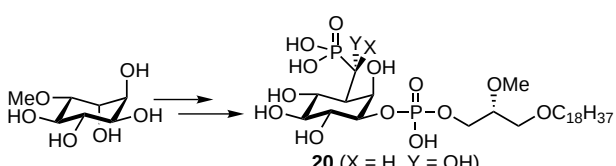
10a–10c, n = 1
12a–12b, n = 2

Tetrahedron Letters 43 (2002) 2835

Synthesis and biological activity of 3-hydroxy(phosphono)methyl-bearing phosphatidylinositol ether lipid analogues

Haiying Sun,[a] Gaddam Bapu Reddy,[a] Clifford George,[b] Emmanuelle J. Meuillet,[c] Margareta Berggren,[c] Garth Powis[c] and Alan P. Kozikowski[a,*]

[a]*Drug Discovery Program, Department of Neurology, Georgetown University Medical Center, 3970 Reservoir Road, NW, Washington, DC 20007, USA*
[b]*Naval Research Laboratory, 4555 Overlook Ave, SW, Washington, DC 20375, USA*
[c]*Arizona Cancer Center, 1515 North Campbell Avenue, Tucson, AZ 85724, USA*



20 (X = H, Y = OH)
21 (X = OH, Y = H)

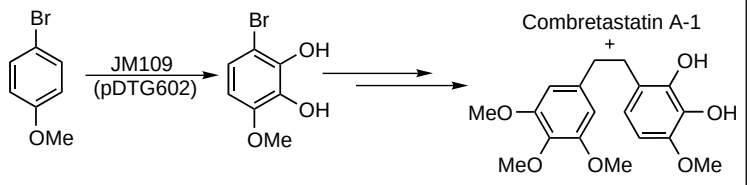
Tetrahedron Letters 43 (2002) 2839

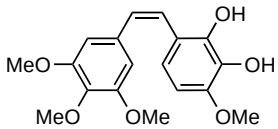
Direct biooxidation of arenes to corresponding catechols with *E. coli* JM109 (pDTG602). Application to synthesis of combretastatins A-1 and B-1

Vu P. Bui, Tomas Hudlicky,* Trond V. Hansen and Yngve Stenstrom

Department of Chemistry, University of Florida, Gainesville, FL 32611-7200, USA

Convergent syntheses of combretastatins A-1 and B-1 were accomplished via coupling of biocatalytically generated *p*-bromomethoxycatechol with trimethoxyphenylacetylene.





Combretastatin A-1

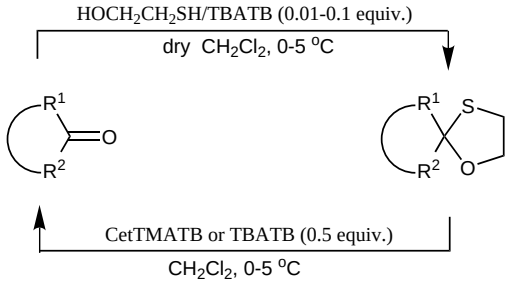
Combretastatin B-1

Tetrahedron Letters 43 (2002) 2843

A useful and convenient synthetic protocol for interconversion of carbonyl compounds to the corresponding 1,3-oxathiolanes and vice versa employing organic ammonium tribromide (OATB)

Ejabul Mondal,[a] Priti Rani Sahu,[a] Gopal Bose[a] and Abu T. Khan[a,b,*]

[a]*Department of Chemistry, Indian Institute of Technology, North Guwahati, Guwahati 781 039, India*
[b]*Department of Chemistry, Visva-Bharati, Santiniketan, West Bengal 731 235, India*

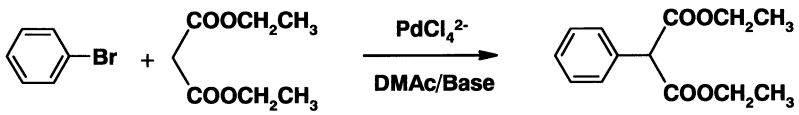


Tetrahedron Letters 43 (2002) 2847

α-Arylation of diethyl malonate via enolate with bases in a heterogeneous phase

María A. Aramendía, Victoriano Borau, César Jiménez, José M. Marinas, José R. Ruiz and Francisco J. Urbano

Departamento de Química Orgánica, Universidad de Córdoba, Campus de Rabanales, Edificio C-3, Ctra. Nnal. IV, km 396, 14014 Córdoba, Spain



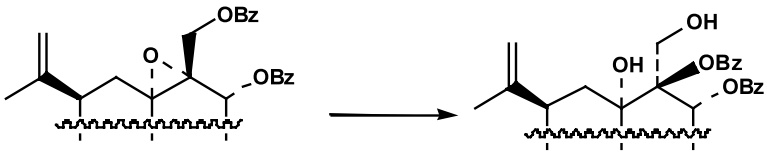
Tetrahedron Letters 43 (2002) 2851

The cyperone route to agarofurans: stereoselective introduction of an hydroxy group at C-4

François-Didier Boyer, Josiane Beauhaire and Paul-Henri Ducrot*

Unité de Phytopharmacie et Médiateurs Chimiques, Inra, Route de Saint-Cyr, F-78026 Versailles, France

Construction of the agarofuran tricyclic ring system bearing an hydroxy group at C-4 is described through the rearrangement of a 4,4a α-epoxy 9-benzoyloxy cyperone derivative under acidic conditions.



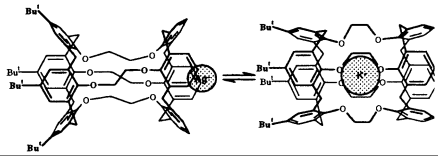
A biscalix[4]arene-based ditopic hard/soft receptor for K^+/Ag^+ complexation

Tetrahedron Letters 43 (2002) 2857

Jan Budka,[a] Pavel Lhoták,[a,*] Ivan Stibor,[a,*] Veronika Michlová,[a] Jan Sykora[b] and Ivana Cisarová[c]

[a]*Department of Organic Chemistry, Institute of Chemical Technology, Technicka 5, 166 28 Prague 6, Czech Republic*
[b]*Department of Solid State Chemistry, Institute of Chemical Technology, Technicka 5, 166 28 Prague 6, Czech Republic*
[c]*Department of Inorganic Chemistry, Charles University, Hlavova 8, 128 43 Prague 2, Czech Republic*

A novel biscalix[4]arene derivative exhibits pronounced Ag^+ complexation ability due to its *pinched cone* conformation as shown by X-ray crystallography. The interaction with K^+ leads to a change of symmetry (C_{4v}) and thus, to the loss of the complexation ability towards Ag^+.



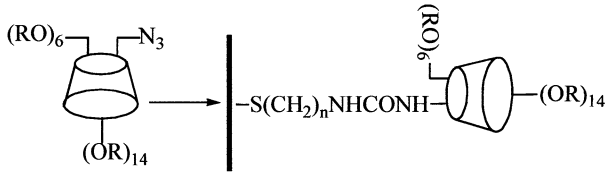
Chiral discrimination of enantiomers with a self-assembled monolayer of functionalized β-cyclodextrins on Au surfaces

Tetrahedron Letters 43 (2002) 2863

Siu-Choon Ng,* Tong Sun and Hardy S. O. Chan

Department of Chemistry, National University of Singapore, Lower Kent Ridge Road, Singapore, 119260

A facile synthetic route for mercaptyl functionalized β-cyclodextrins was devised and its application in gas phase chiral sensor design was demonstrated.

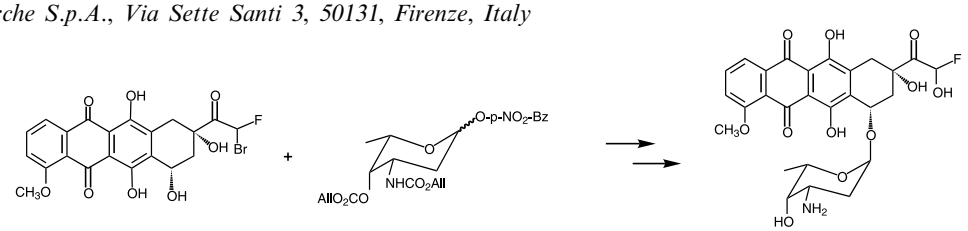


Synthesis of 14-fluorodoxorubicin

Tetrahedron Letters 43 (2002) 2867

M. Berettoni,[a,*] A. Cipollone,[a] L. Olivieri,[a] D. Palomba,[a] F. Arcamone,[b] C. A. Maggi[c] and F. Animati[a]

[a]*Menarini Ricerche S.p.A., Via Tito Speri 10, 00040, Pomezia, Roma, Italy*
[b]*CNR-ICOCEA, Via P. Gobetti, 101, 40129, Bologna, Italy*
[c]*Menarini Ricerche S.p.A., Via Sette Santi 3, 50131, Firenze, Italy*



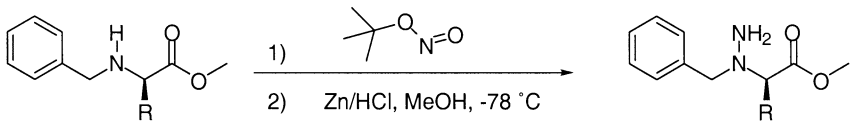
A facile stereospecific synthesis of α-hydrazino esters

Tetrahedron Letters 43 (2002) 2873

Umut Oguz, Garett G. Guilbeau and Mark L. McLaughlin*

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

A convenient route to make α-hydrazino esters from their corresponding α-amino esters is reported.



Tetrahedron Letters 43 (2002) 2877

Stereospecific preparation of (*Z*)-α-fluorostilbenes via a kinetically controlled palladium-catalyzed cross-coupling reaction of high *E*/*Z* ratio 1-bromo-1-fluorostyrenes and aryl stannanes

Jianjun Xu and Donald J. Burton*

Department of Chemistry, The University of Iowa, Iowa City, IA 52242, USA