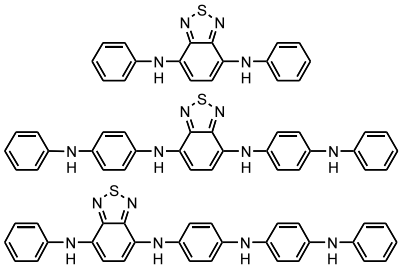
Synthesis and characterization of *p*-phenylenediamine derivatives bearing a thiadiazole unit

Tetrahedron Letters 43 (2002) 9009

Mendra T. S. Ritonga, Hidehiro Sakurai and Toshikazu Hirao*

Department of Applied Chemistry, Faculty of Engineering, Osaka University, Yamada-oka, Suita, Osaka 567-0871, Japan

New *p*-phenylenediamine derivatives bearing a thiadiazole unit were synthesized. Their electrochemical properties were dependent on its position.

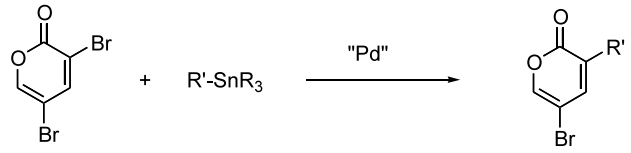


Regioselective Stille coupling reactions of 3,5-dibromo-2-pyrone with various aryl and vinyl stannanes

Tetrahedron Letters 43 (2002) 9015

Won-Suk Kim, Hyung-Jin Kim and Cheon-Gyu Cho*

Department of Chemistry, Hanyang University, Seoul 133-791, South Korea



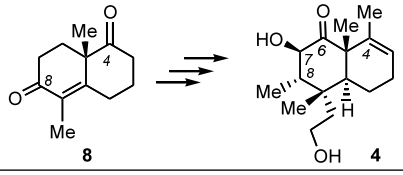
Stereoselective synthesis of the fully functionalized core fragment of terpentecin

Tetrahedron Letters 43 (2002) 9019

Taotao Ling, Fatima Rivas and Emmanuel A. Theodorakis*

Department of Chemistry and Biochemistry, University of California San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0358, USA

A stereoselective synthesis of the core fragment **4** of terpentecin has been accomplished starting with enone **8**.



Microwave-assisted PEGylation of Merrifield resins

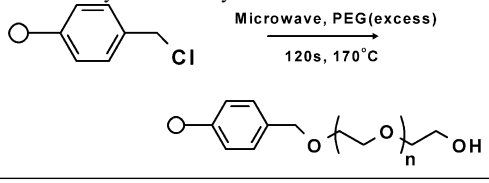
Tetrahedron Letters 43 (2002) 9023

Varoujan A. Yaylayan,[a,*] May Siu,[b] Jacqueline M. R. Bélanger[b] and J. R. Jocelyn Paré[b]

[a]*Department of Food Science and Agricultural Chemistry, McGill University, 21111 Lakeshore, Ste Anne de Bellevue, Quebec, Canada H9X 3V9*

[b]*Microwave-Assisted Processes Division, Environment Canada, 335 River Road, Ottawa, Ontario, Canada K1A 0H3*

PEGylation of Merrifield resins can be conveniently achieved by focused microwave irradiation under atmospheric pressure conditions at 170°C for 120 s.

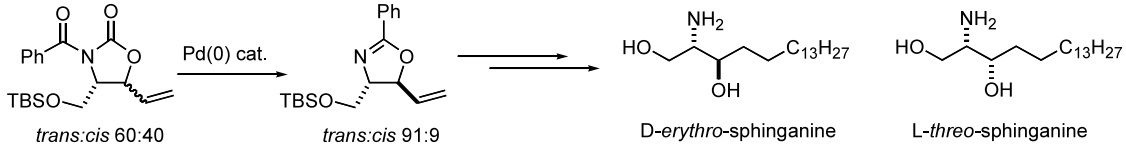


Tetrahedron Letters 43 (2002) 9027

Stereoselective synthesis of D-*erythro*- and L-*threo*-sphinganines via palladium-catalyzed equilibration and Suzuki coupling

Gregory R. Cook* and Ketheeswaran Pararajasingham

Department of Chemistry, North Dakota State University, Fargo, ND, 58105-5516, USA

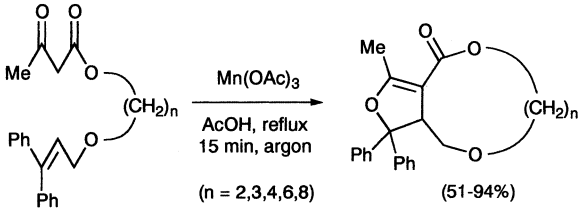


Tetrahedron Letters 43 (2002) 9031

Manganese(III)-based intramolecular macrocyclization of 3,3-diphenyl-2-propenyloxyoligomethylene 3-oxobutanoates

Shunsuke Jogo,[a] Hiroshi Nishino,[b,*] Mikio Yasutake[a] and Teruo Shinmyozu[a]

[a]*Institute for Fundamental Research of Organic Chemistry, Kyushu University, Hakozaki, Fukuoka 812-8581, Japan*
[b]*Department of Chemistry, Faculty of Science, Kumamoto University, Kurokami, Kumamoto 860-8555, Japan*

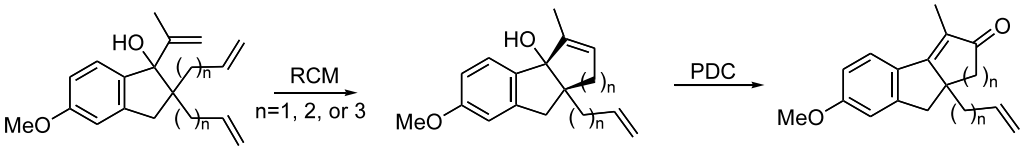


Tetrahedron Letters 43 (2002) 9035

Synthesis of α,β-disubstituted cycloalkenones through a sequence of olefin metathesis and oxidative rearrangement

Dongfang Meng* and Dann L. Parker, Jr.

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

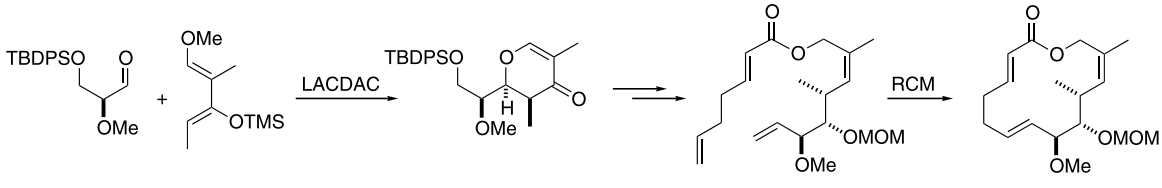


Tetrahedron Letters 43 (2002) 9039

Synthesis of the macrolide core of migrastatin

Christoph Gaul[a] and Samuel J. Danishefsky[a,b,*]

[a]*Laboratory for Bioorganic Chemistry, Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021, USA*
[b]*Department of Chemistry, Columbia University, Havemayer Hall, 3000 Broadway, New York, NY 10027, USA*



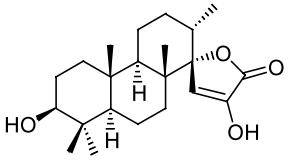
Tetrahedron Letters 43 (2002) 9043

Stypolactone, an interesting diterpenoid from the brown alga *Stypopodium zonale*

Enrique Dorta, Mercedes Cueto,* Ana R. Díaz-Marrero and José Darias

Instituto de Productos Naturales y Agrobiología del CSIC, Avda. Astrofísico F. Sánchez, 3, Apdo. 195, 38206 La Laguna, Tenerife, Spain

The structure, stereochemistry and possible biogenesis for stypolactone **8** are described.



Stypolactone

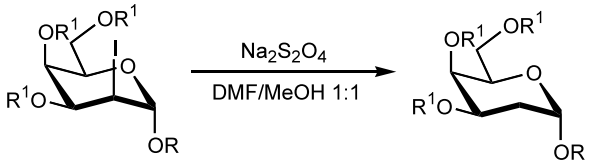
Tetrahedron Letters 43 (2002) 9047

A new aspect of the reactivity of sodium dithionite provides a facile route to 2-deoxy-α-glycosides

Valeria Costantino,* Ernesto Fattorusso, Concetta Imperatore and Alfonso Mangoni

Dipartimento di Chimica delle Sostanze Naturali, Università di Napoli 'Federico II', via D. Montesano 49, 80131 Napoli, Italy

Sodium dithionite induces dehalogenation of protected 2-iodo-2-deoxyglycosides. This reaction provides an easy, mild and highly stereoselective route for preparation of 2-deoxy-α-glycosides from glycals.



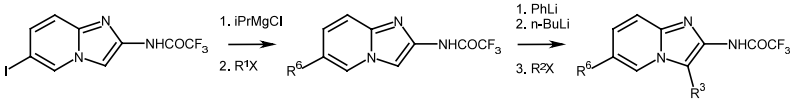
Tetrahedron Letters 43 (2002) 9051

Regioselective synthesis of 3,6-disubstituted-2-aminoimidazo-[1,2-*a*]pyridines

Carlos Jaramillo,[a,*] Juan Carlos Carretero,[c] J. Eugenio de Diego,[a] Miriam del Prado,[a] Chafiq Hamdouchi,[b] José Luis Roldán[c] and Concha Sánchez-Martínez[a]

[a]*Centro de Investigación Lilly, Avenida de la Industria, 30, 28108 Alcobendas, Madrid, Spain*
[b]*Lilly Research Laboratories, A Division of Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46385, USA*
[c]*Departamento de Química Orgánica, Facultad de Ciencias, Universidad Autónoma de Madrid, 28049 Madrid, Spain*

A convenient synthesis of 3,6-disubstituted-2-aminoimidazo[1,2-*a*]pyridines **3** is described.



1 2 3

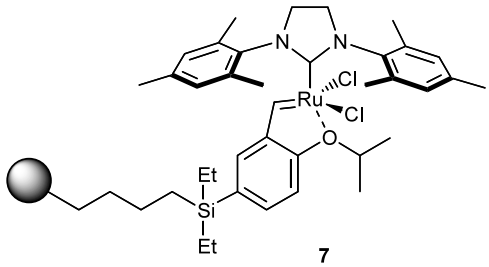
Tetrahedron Letters 43 (2002) 9055

A PS-DES immobilized ruthenium carbene: a robust and easily recyclable catalyst for olefin metathesis

Karol Grela,[a,*] Mariusz Tryznowski[b] and Michał Bieniek[b]

[a]*Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44/52, PO Box 58, 01-224 Warsaw, Poland*
[b]*Faculty of Chemistry, Warsaw University of Technology, Koszykowa 75, 00-662 Warsaw, Poland*

The butyldiethylsilyl polystyrene (PS-DES) supported ruthenium carbene **7** is a robust and easily recyclable catalyst for olefin metathesis.



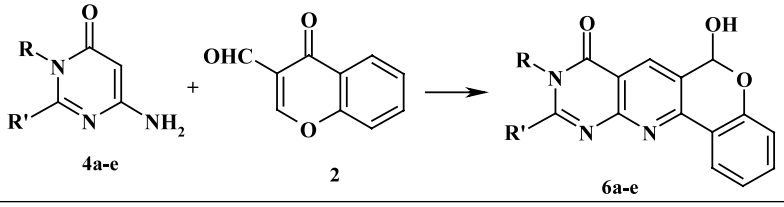
7

A novel product from the reaction of 6-aminopyrimidines and 3-formylchromone

Tetrahedron Letters 43 (2002) 9061

Jairo Quiroga,[a,*] Armando Rengifo,[a] Braulio Insuasty,[a] Rodrigo Abonía,[a] Manuel Nogueras[b] and Adolfo Sánchez[b]

[a]*Grupo de Investigación de Compuestos Heterocíclicos, Department of Chemistry, Universidad del Valle, A. A. 25360, Cali, Colombia*
[b]*Department of Inorganic and Organic Chemistry, Universidad de Jaén, 23071 Jaén, Spain*



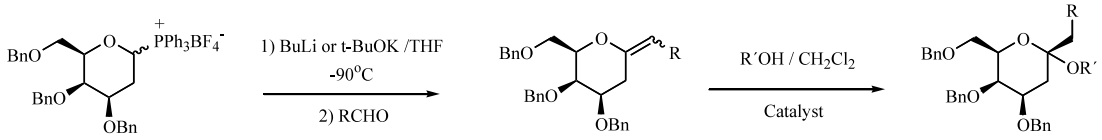
Stereoselective glycosidations of olefinated sugars

Tetrahedron Letters 43 (2002) 9065

Pedro A. Colinas,[a] Albrecht Lieberknecht[a,b,*] and Rodolfo D. Bravo[a,*]

[a]*Laboratorio de Estudio de Compuestos Orgánicos, Facultad de Ciencias Exactas, Universidad Nacional de La Plata, 47 y 115, 1900 La Plata, Argentina*
[b]*Institut für Organische Chemie der Universität Stuttgart, Pfaffenwaldring 55, D-70569 Stuttgart, Germany*

The glycosidations of olefinated sugars using boron trichloride or triphenylphosphonium hydrobromide as catalyst give only α anomers with good to high yields.

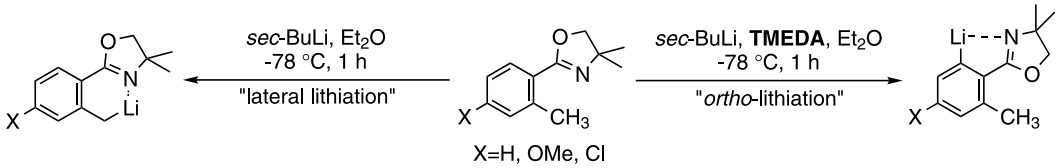


Optional *ortho* and lateral lithiations of 4,4-dimethyl-2-(*o*-tolyl)-oxazolines

Tetrahedron Letters 43 (2002) 9069

Naruki Tahara, Tsutomu Fukuda and Masatomo Iwao*

Department of Applied Chemistry, Faculty of Engineering, Nagasaki University, 1-14 Bunkyo-machi, Nagasaki 852-8521, Japan

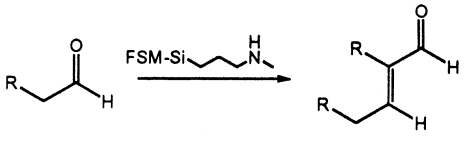


Self-aldol condensation of unmodified aldehydes catalysed by secondary-amine immobilised in FSM-16 silica

Tetrahedron Letters 43 (2002) 9073

Ken-ichi Shimizu,[a,*] Eidai Hayashi,[a] Takuro Inokuchi,[b] Tatsuya Kodama,[b] Hisahiro Hagiwara[a] and Yoshie Kitayama[b]

[a]*Graduate School of Science and Technology, Niigata University, Ikarashi-2, Niigata 950-2181, Japan*
[b]*Department of Chemistry and Chemical Engineering, Faculty of Engineering, Niigata University, Ikarashi-2, Niigata 950-2181, Japan*

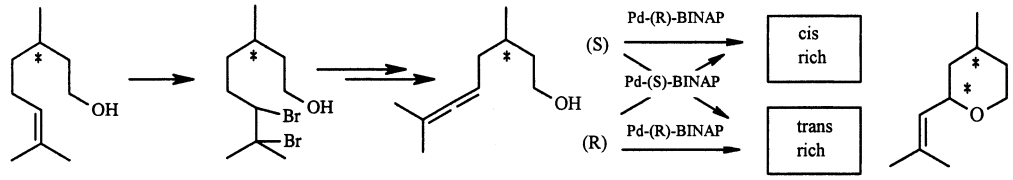


Tetrahedron Letters 43 (2002) 9077

Synthesis and odor of optically active rose oxide

Takeshi Yamamoto,* Hiroyuki Matsuda, Yasuhide Utsumi, Toshimitsu Hagiwara and Tsuneyoshi Kanisawa

Takasago International Corporation, Central Research Laboratory, Nishi-Yawata 1-4-11, Hiratsuka, Kanagawa 254-0073, Japan

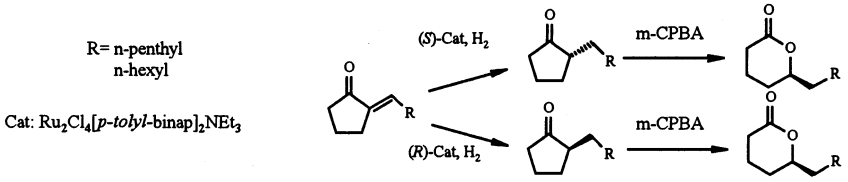


Tetrahedron Letters 43 (2002) 9081

Synthesis and odor of optically active 2-*n*-hexyl- and 2-*n*-heptylcyclopentanone and the corresponding δ-lactones

Takeshi Yamamoto,* Miharu Ogura, Akira Amano, Kenichiro Adachi, Toshimitsu Hagiwara and Tsuneyoshi Kanisawa

Takasago International Corporation, Central Research Laboratory, Nishi-Yawata 1-4-11, Hiratsuka, Kanagawa 254-0074, Japan

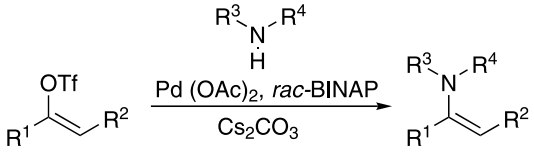


Tetrahedron Letters 43 (2002) 9085

Palladium catalysed enamine synthesis from vinyl triflates

Michael C. Willis* and Gareth N. Brace

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

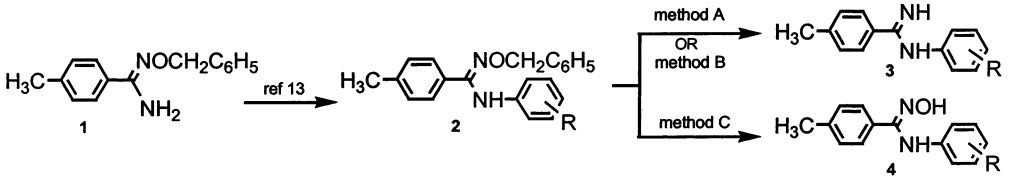


Tetrahedron Letters 43 (2002) 9089

Regioselective cleavage of *O*-benzyl-*N*-arylamidoximes: synthesis of *N*-aryl amidines and amidoximes

Mariappan Anbazhagan, David W. Boykin and Chad E. Stephens*

Department of Chemistry, Georgia State University, Atlanta, GA 30303, USA

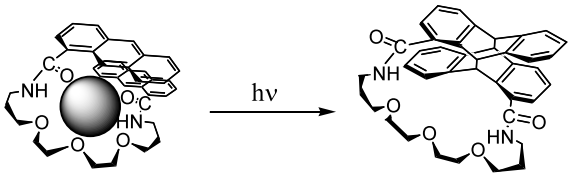


Tetrahedron Letters 43 (2002) 9093

Template effects of metal ions on photodimerization of bis-1-anthracenecarboxamide linked by the oxyethylene chain

Hisafumi Hiraga, Tatsuya Morozumi and Hiroshi Nakamura*

Division of Material Science, Graduate School of Environmental Earth Science, Hokkaido University, Sapporo 060-0810, Japan



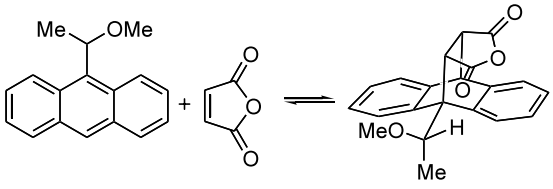
Tetrahedron Letters 43 (2002) 9097

Establishing cleavage conditions for an anthracene chiral auxiliary using a photochemical retro Diels–Alder reaction

J. C. Christian Atherton and Simon Jones*

Department of Chemistry, University of Newcastle upon Tyne, Bedson Building, Newcastle upon Tyne NE1 7RU, UK

Photochemical and thermal retro Diels–Alder reactions of anthracene cycloadducts are described.

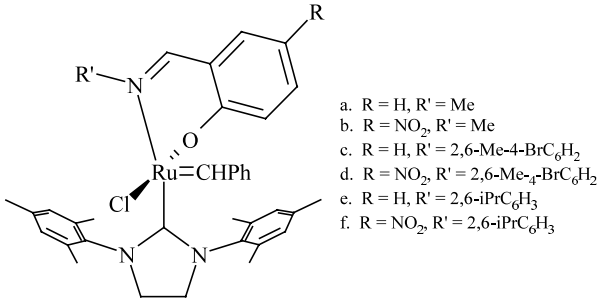


Tetrahedron Letters 43 (2002) 9101

Activity of a new class of ruthenium based ring-closing metathesis and ring-opening metathesis polymerization catalysts coordinated with a 1,3-dimesityl-4,5-dihydroimidazol-2-ylidene and a Schiff base ligand

Bob De Clercq and Francis Verpoort*

Ghent University, Department of Inorganic and Physical Chemistry, Krijgslaan 281 (S-3), 9000 Gent, Belgium



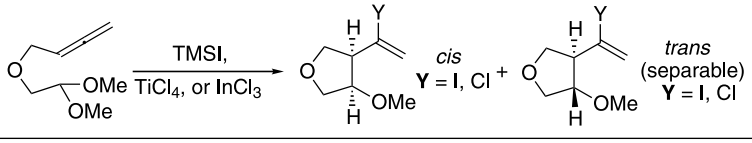
5.a-f

Tetrahedron Letters 43 (2002) 9105

Lewis acid-mediated cyclization of allenyl-aldehyde dimethyl acetals: synthesis of *cis*- and *trans*-2-haloalkenylcycloalkyl methyl ethers

Suk-Ku Kang,[a,*] Young-Mook Kim,[a] Young-Hwan Ha,[a] Chan-Mo Yu,[a] Heejung Yang[b] and Yoongho Lim[b,*]

[a]*Department of Chemistry, Lab for Metal-Catalyzed Reactions, Sungkyunkwan University, Suwon 440-746, Republic of Korea*
[b]*Bio/Molecular Informatics Center and Department of Applied Biology and Chemistry Konkuk University, Seoul 143-701, Republic of Korea*



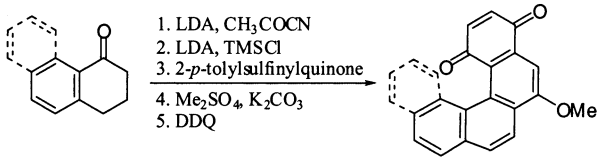
Tetrahedron Letters 43 (2002) 9111

Inner–outer ring 1,3-bis(trimethylsilyloxy)-1,3-dienes as useful intermediates in the synthesis of helicenes

Mª del Mar Real, José Pérez Sestelo* and Luis A. Sarandeses*

Departamento de Química Fundamental, Universidade da Coruña, E-15071 A Coruña, Spain

[4]Helicenes and [5]helicenes were synthesised from tetrahydroaromatic ketones using as the key step a Diels–Alder reaction between inner–outer ring 1,3-bis(trimethylsilyloxy)-1,3-dienes with benzyne or quinones.



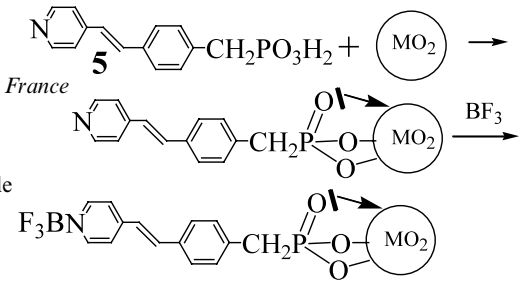
Tetrahedron Letters 43 (2002) 9115

Phosphonate derivatives of pyridine grafted onto oxide nanoparticles

Richard Frantz,* Michel Granier, Jean-Olivier Durand and Gérard F. Lanneau

Chimie Moléculaire et Organisation du Solide UMR 5637, case courrier 007, Université Montpellier 2, place Eugène Bataillon, F-34095 Montpellier cedex 05, France

The synthesis of phosphonate derived stilbazole **1** by using a Heck reaction is described. The reactivity of the pyridine moiety is studied. After hydrolysis of the ethyl phosphonate groups, the grafting of phosphonic acid derived stilbazole **5** on metal oxides TiO_2 or SnO_2 is reported. The accessibility and reactivity of the pyridine moiety at the surface is demonstrated.



Tetrahedron Letters 43 (2002) 9119

Efficient synthesis of imidazopyridodiazepines from *peri* annulation in imidazo[1,2-*a*]pyridine

C. Dechambre,[a] Jean M. Chezal,[a] E. Moreau,[a] F. Estour,[b] B. Combourieu,[c] G. Grassy,[d] A. Gueiffier,[e] C. Enguehard,[e] V. Gaumet,[a] Olivier Chavignon[a] and Jean C. Teulade[a,*]

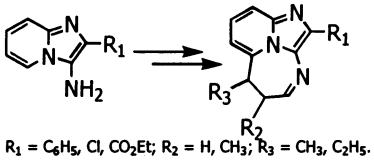
[a]*UMR INSERM 484, Faculté de Pharmacie, 28 pl. H. Dunant, B.P. 38, 63001 Clermont-Ferrand Cedex 1, France*

[b]*Laboratoire de Pharmacochimie, Faculté de Médecine et de Pharmacie, 22 bd Gambetta, 76183 Rouen Cedex, France*

[c]*SEESIB, UMR CNRS 6504, 24 avenue des Landais, 63177 Aubiere Cedex, France*

[d]*CNRS-UMR 9955, INSERM U-414, Faculté de Pharmacie, 15 av. Ch. Flahault, 34060 Montpellier, France*

[e]*Laboratoire de Chimie Thérapeutique, Faculté de Pharmacie, 31 Av. Monge 37200 Tours, France*



R_1 = C_6H_5, Cl, CO_2Et; R_2 = H, CH_3; R_3 = CH_3, C_2H_5.

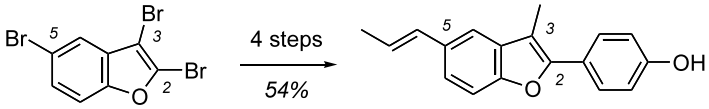
Tetrahedron Letters 43 (2002) 9125

Synthesis of eupomatenoids by three consecutive transition metal-catalyzed cross-coupling reactions

Thorsten Bach* and Marc Bartels

Lehrstuhl für Organische Chemie I, Technische Universität München, Lichtenbergstr. 4, 85747 Garching, Germany

Six different eupomatenoids were prepared from 2,3,5-tribromobenzofuran in a concise and high-yielding synthetic sequence.



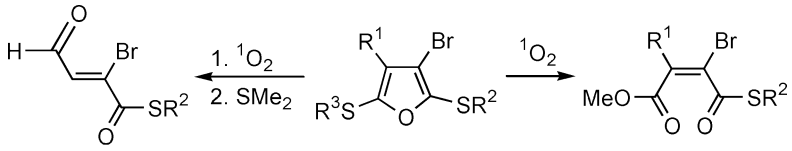
eupomatenoid-6

Tetrahedron Letters 43 (2002) 9129

Synthesis and photooxygenation of 2-thiofuran derivatives: a mild and direct access to *O*,*S*-dimethyl and *O*-methyl-*S*-phenyl thiomaleates

Yolanda Arroyo, Justo F. Rodríguez, M[a] Ascensión Sanz-Tejedor* and Mercedes Santos

Departamento de Química Orgánica, ETS de Ingenieros Industriales, Paseo del Cauce s/n, 47011, Valladolid, Spain

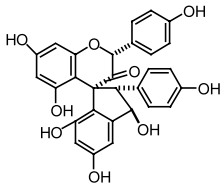


Tetrahedron Letters 43 (2002) 9133

A novel phenolic spiro derivative, Yuccaone A, from *Yucca schidigera* bark

Sonia Piacente,[a] Giuseppe Bifulco,[a] Cosimo Pizza,[a,*] Anna Stochmal[b] and Wieslaw Oleszek[b]

[a]*Dipartimento di Scienze Farmaceutiche, via Ponte Don Melillo, 84084 Fisciano, Salerno, Italy*
[b]*Department of Biochemistry, Institute of Soil Science and Plant Cultivation, ul. Cartoryskich 8, 24100 Pulawy, Poland*



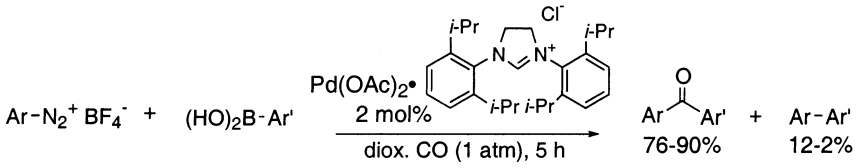
A new, very unusual, phenolic constituent based on a spiro benzopyran-4-cyclopentan-3-one system has been isolated from *Yucca schidigera* bark and its structure has been established by ESI-MS, NMR experiments and ab initio conformational studies.

Tetrahedron Letters 43 (2002) 9137

Palladium–imidazolium-catalyzed carbonylative coupling of aryl diazonium ions and aryl boronic acids

Merritt B. Andrus,[a,*] Yudao Ma,[b] Yunfu Zang[b] and Chun Song[a]

[a]*Brigham Young University, Department of Chemistry and Biochemistry, C100 BNSN, Provo, UT 84602-5700, USA*
[b]*Chemistry College of Shandong University, Shanda Road # 100, Jinan, Shandong 250100, PR China*

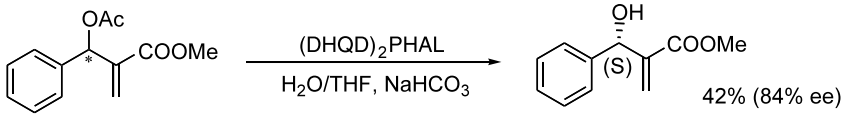


Tetrahedron Letters 43 (2002) 9141

Synthesis of enantiomerically enriched Baylis–Hillman alcohols from their acetates: combination of kinetic resolution during the salt formation with $(DHQD)_2PHAL$ and following asymmetric induction during hydrolysis with $NaHCO_3$ as a water surrogate

Jae Nyoung Kim,* Hong Jung Lee and Ji Hyeon Gong

Department of Chemistry and Institute of Basic Science, Chonnam National University, Kwangju 500-757, South Korea



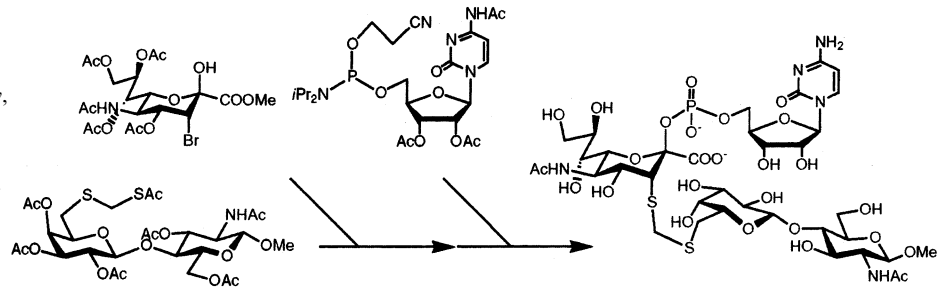
Bisubstrate-type inhibitor of sialyltransferases

Tetrahedron Letters 43 (2002) 9147

Hiroshi Hinou,[a,b] Xue-Long Sun[a] and Yukishige Ito[a,*]

[a]*RIKEN (The Institute of Physical and Chemical Research), 2-1 Hirosawa, Wako-shi, Saitama 351-0198, Japan*
[b]*College of Pharmacy, Nihon University, 7-7-1 Narashinodai, Funabashi-shi, Chiba 274-8555, Japan*

A very efficient convergent strategy for the construction of bisubstrate-type sialyltransferase inhibitors was developed.

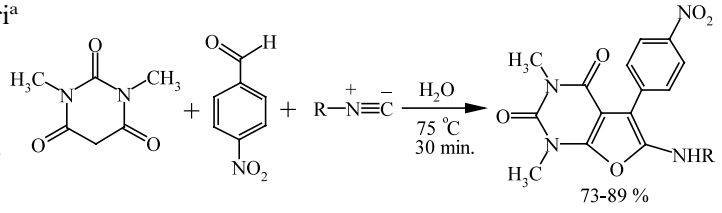


One-pot three component condensation reaction in water: an efficient and improved procedure for the synthesis of furo[2,3-*d*]pyrimidine-2,4(1*H*,3*H*)-diones

Tetrahedron Letters 43 (2002) 9151

Ahmad Shaabani,[a,*] Mohammad Bagher Teimouri[a] and Hamid Reza Bijanzadeh[b]

[a]*Department of Chemistry, Shahid Beheshti University, PO Box 19396-4716, Tehran, Iran*
[b]*Department of Chemistry, Tarbiat Modarres University, PO Box 14155-4838, Tehran, Iran*

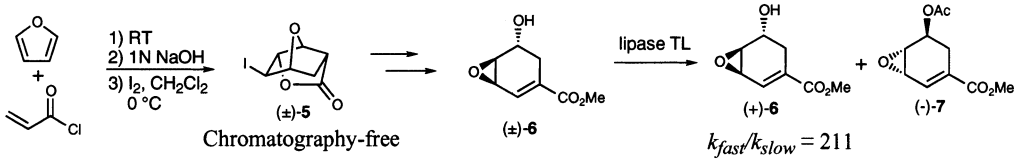


A practical total synthesis of both enantiomers of epoxyquinols A and B

Tetrahedron Letters 43 (2002) 9155

Mitsuru Shoji,[a] Satoshi Kishida,[a] Mitsuhiro Takeda,[a] Hideaki Kakeya,[b] Hiroyuki Osada[b] and Yujiro Hayashi[a,*]

[a]*Department of Industrial Chemistry, Faculty of Engineering, Tokyo University of Science, Kagurazaka, Shinjuku-ku, Tokyo 162-8601, Japan*
[b]*Antibiotics Laboratory, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan*



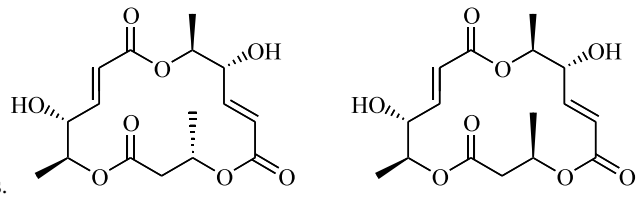
The total synthesis of macrosphelides A and E from carbohydrate precursors

Tetrahedron Letters 43 (2002) 9159

G. V. M. Sharma* and Ch. Chandra Mouli

D-211, Discovery Laboratory, Organic Chemistry Division-III, Indian Institute of Chemical Technology, Hyderabad 500 007, India

The total synthesis of macrolide antibiotics, macrosphelide A and E has been achieved starting from carbohydrate precursors.



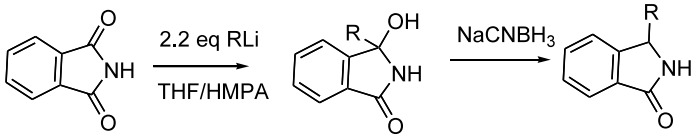
Macrosphelide A **1** Macrosphelide E **2**

Tetrahedron Letters 43 (2002) 9163

A new synthesis of 3-alkyl-1-isoindolinones

Eng-Chi Wang,* Hsien-Fan Chen, Pei-Kuan Feng, Yu-Li Lin and Ming-Kuan Hsu

School of Chemistry, Kaohsiung Medical University, Kaohsiung City 807, Taiwan, ROC



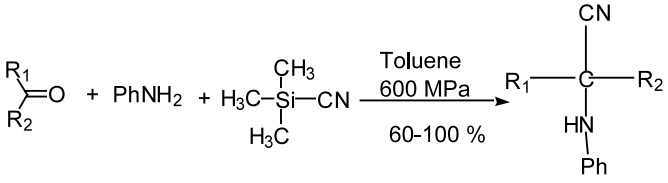
a. R=CH_3, b. R=*n*-butyl, c. R=*sec*-butyl, d. R=*tert*-butyl, e. R=phenyl

Tetrahedron Letters 43 (2002) 9167

High pressure mediated three component Strecker synthesis of α-aminonitriles from ketones, aromatic amines and trimethylsilyl cyanide

Kiyoshi Matsumoto,[a,*] Jong Chul Kim,[a] Naoto Hayashi[a] and Gérard Jenner[b,*]

[a]*Graduate School of Human and Environmental Studies, Kyoto University, Kyoto 606-8501, Japan*
[b]*Laboratoire de Piézochimie Organique (UMR 7509), Faculté de Chimie, Université Louis Pasteur, 67008 Strasbourg, France*



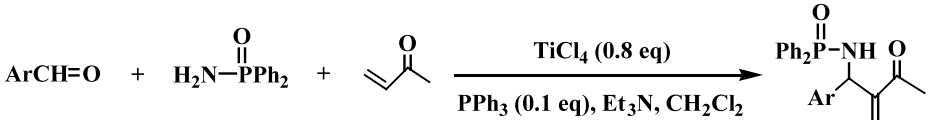
Tetrahedron Letters 43 (2002) 9171

One-pot aza-Baylis–Hillman reactions of arylaldehydes and diphenylphosphinamide with methyl vinyl ketone in the presence of $TiCl_4$, PPh_3, and Et_3N

Min Shi* and Gui-Ling Zhao

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China

One-pot three component aza-Baylis–Hillman reactions of arylaldehydes, diphenylphosphinamide with MVK can be carried out in the presence of the Lewis acid $TiCl_4$ and the Lewis base PPh_3 and triethylamine (Et_3N) in dichloromethane to give the corresponding Baylis–Hillman adducts in moderate yields.

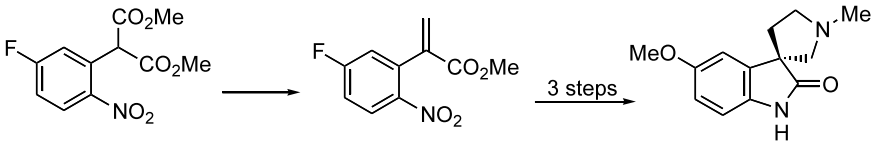


Tetrahedron Letters 43 (2002) 9175

A direct synthesis of 2-arylpropenoic acid esters having nitro groups in the aromatic ring: a short synthesis of (±)-coerulescine and (±)-horsfiline

N. Selvakumar,* A. Malar Azhagan, D. Srinivas and G. Gopi Krishna

Department of Discovery Chemistry, Discovery Research, Dr. Reddy's Laboratories Ltd., Miyapur, Hyderabad 500 050, India



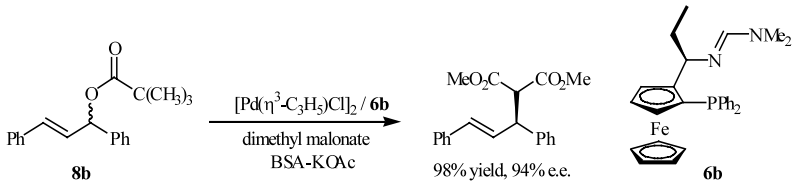
9 **12** **15**, (±)-horsfiline

Tetrahedron Letters 43 (2002) 9179

Synthesis of novel ferrocenylphosphine–amidine ligands and their application in Pd-catalyzed asymmetric allylic alkylation

Xiangping Hu, Huilin Chen, Xinquan Hu, Huicong Dai, Changmin Bai, Junwei Wang and Zhuo Zheng*

Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, PR China

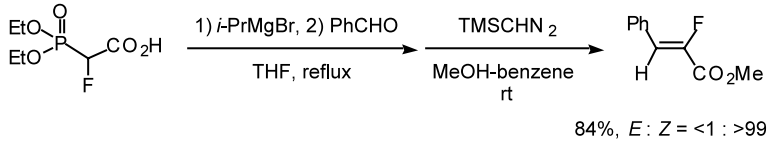


Tetrahedron Letters 43 (2002) 9183

Toward (*Z*)-selective Horner–Wadsworth–Emmons reaction of aldehydes with 2-fluoro-2-diethylphosphonoacetic acid

Shigeki Sano,* Rie Teranishi and Yoshimitsu Nagao*

Faculty of Pharmaceutical Sciences, The University of Tokushima, Sho-machi, Tokushima 770-8505, Japan



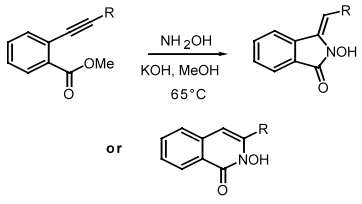
84%, *E* : *Z* = <1 : >99

Tetrahedron Letters 43 (2002) 9187

On the diverse outcomes of base-induced cyclisations of 2-alkynylphenylhydroxamic acids

David W. Knight,[a,*] Paul B. M. Lewis,[a] K. M. Abdul Malik,[a] Elena V. Mshvidobadze[b] and Sergei F. Vasilevsky[b]

[a]*Chemistry Department, Cardiff University, PO Box 912, Cardiff, CF10 3TB, UK*
[b]*Institute of Chemical Kinetics and Combustion, Siberian Branch of the Russian Academy of Sciences, 630090, Novosibirsk, Russia*



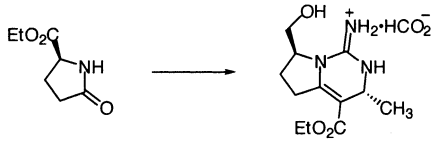
Cyclisations of 2-alkynylphenylhydroxamic acids proceed exclusively via either 5-*exo* or 6-*endo* pathways depending upon the nature of the substitutent R.

Tetrahedron Letters 43 (2002) 9191

Studies towards the total synthesis of Batzelladine A: synthesis of a model pyrrolo[1,2-*c*]pyrimidine

Mark C. Elliott* and Matthew S. Long

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

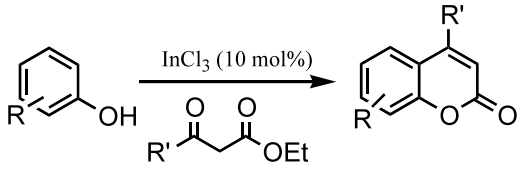


The indium(III) chloride-catalyzed von Pechmann reaction: a simple and effective procedure for the synthesis of 4-substituted coumarins

Tetrahedron Letters 43 (2002) 9195

D. Subhas Bose,* A. P. Rudradas and Mereyala Hari Babu

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



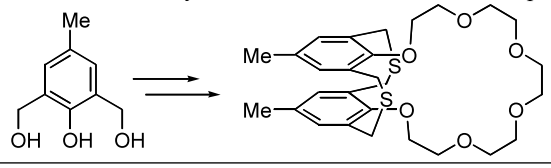
Complexation behavior and crystal structure of a dithia[16.3.3]-(1,2,6)cyclophane: a novel one-dimensional coordination polymer with perchlorate anions as linkers

Tetrahedron Letters 43 (2002) 9199

Jianwei Xu and Yee-Hing Lai*

Department of Chemistry, National University of Singapore, 3 Science Drive 3, Singapore 117543

The synthesis of dithia[16.3.3](1,2,6)cyclophane **3** was achieved by cesium carbonate-assisted high dilution cyclization with a good yield. The complexation behavior and crystal structures of **3** and its complexes were investigated.

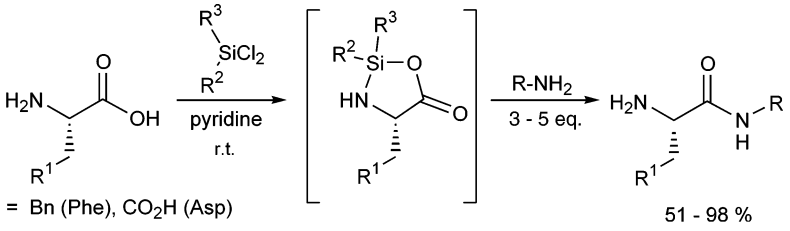


Synthesis of amides from unprotected amino acids by a simultaneous protection–activation strategy using dichlorodialkyl silanes

Tetrahedron Letters 43 (2002) 9203

S. H. van Leeuwen,[a] P. J. L. M. Quaedflieg,[b] Q. B. Broxterman[c] and R. M. J. Liskamp[a,*]

[a]*Department of Medicinal Chemistry, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, PO Box 80082, 3508 TB Utrecht, The Netherlands*
[b]*DSM Fine Chemicals Netherlands, R&D Centre Venlo, PO Box 81, 5900 AB Venlo, The Netherlands*
[c]*DSM Fine Chemicals—Advanced Synthesis and Catalysis (DFC-ASC), PO Box 18, 6160 MD Geleen, The Netherlands*



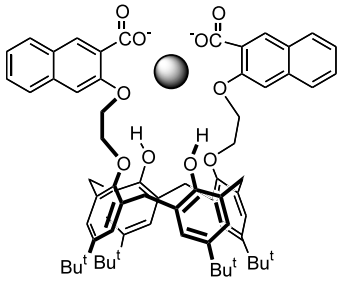
A new fluorescent chemosensor for Fe^{3+} and Cu^{2+} based on calix[4]arene

Tetrahedron Letters 43 (2002) 9209

Jun-Min Liu, Qi-Yu Zheng,* Jun-Ling Yang, Chuan-Feng Chen and Zhi-Tang Huang*

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

A novel fluorescent compound derived from calixarene has been synthesized. Its fluorescent intensity was quenched selectively in the presence of Cu^{2+} or Fe^{3+}, and the quenching behavior was related to the pH value of the solution.

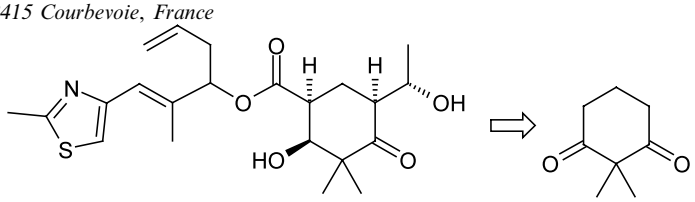


Tetrahedron Letters 43 (2002) 9213

Design and synthesis of tubulin ligands based on epothilones: a preliminary study

Sophie Vielle,[a] Eric Raimbaud,[b] Philippe Bertrand,[a] Delphine Quintard,[a] Pierre Renard,[c] Bruno Pfeiffer[c] and Jean-Pierre Gesson[a,*]

[a]*UMR 6514, Université de Poitiers et CNRS, 40, Avenue du Recteur Pineau, F-86022 Poitiers, France*
[b]*Institut de Recherches Servier, 11 rue des Moulineaux, F-92150 Suresnes, France*
[c]*ADIR, 1 rue Carle Hébert, F-92415 Courbevoie, France*



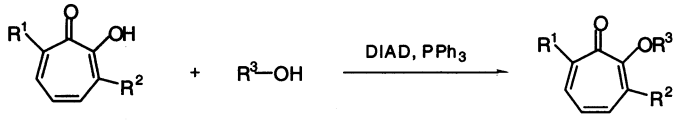
Tetrahedron Letters 43 (2002) 9217

Tropolonyl ethers of saccharides and cyclitol derivatives

Henri Houte, Jean-Yves Valnot and Serge R. Piettre*

Laboratoire des Fonctions Azotées et Oxygénées Complexes, UMR 6014 CNRS, Université de Rouen, rue Tesnière, F-76821 Mont Saint Aignan, France

Mitsunobu coupling between tropolones and saccharide or cyclitol derivatives featuring primary or secondary alcohol functions provides for the first time an easy, general and efficient access to the corresponding tropolonyl ethers.

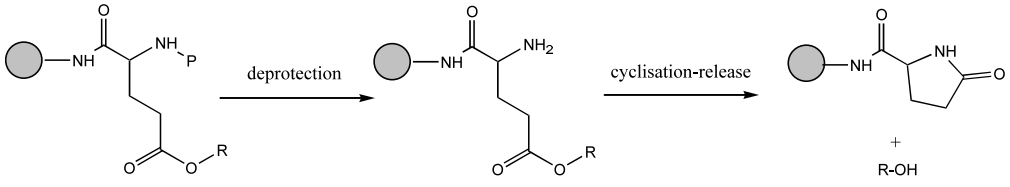


Tetrahedron Letters 43 (2002) 9221

Glutamic acid as a new linker for attachment of alcohols to solid support

Gilles Subra,* Muriel Amblard and Jean Martinez

Laboratoire des Aminoacides Peptides et Protéines (LAPP), UMR5810-CNRS, Universités Montpellier I et II, Faculté de Pharmacie, 15 Avenue C. Flahault, 34060 Montpellier, Cédex, France

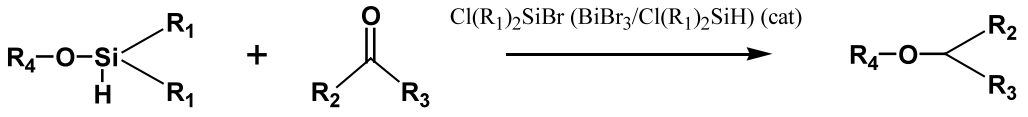


Tetrahedron Letters 43 (2002) 9225

Etherification of alkoxydialkylsilanes with carbonyl compounds

Xinglong Jiang,* Joginder S. Bajwa, Joel Slade, Kapa Prasad, Oljan Repič and Thomas J. Blacklock

Process R&D, Chemical and Analytical Development, Novartis Institute for Biomedical Research, One Health Plaza, East Hanover, NJ 07936, USA

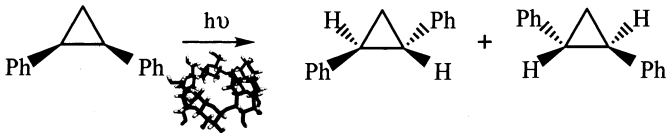


Tetrahedron Letters 43 (2002) 9229

Cyclodextrin mediated enantio and diastereoselective geometric photoisomerization of diphenylcyclopropane and its derivatives

Smriti Koodanjeri and V. Ramamurthy*

Department of Chemistry, Tulane University, New Orleans, LA 70118, USA



Solid complex: e.e 13%
Solution complex: e.e 1.5%
No cyclodextrin e.e. 0%

Tetrahedron Letters 43 (2002) 9233

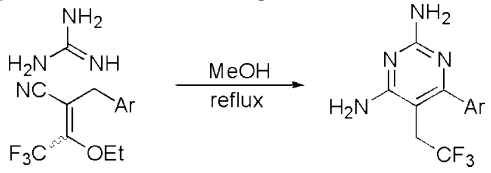
Unexpected synthesis of (trifluoroethyl)pyrimidines from the heterocyclisation of α-trifluoroacetylpropanenitriles

Hatice Berber,[a] Mustapha Soufyane,[b] Maud Santillana-Hayat[c] and Catherine Mirand[a,*]

[a]*IFR 53, UMR/CNRS 6013, Université de Reims Champagne Ardenne, Faculté de Pharmacie, 51 rue Cognacq-Jay, 51096 Reims Cedex, France*

[b]*Département de Chimie, Faculté des Sciences, BP 20, 24000 El Jadida, Morocco*

[c]*Laboratoire de Parasitologie-Mycologie, Faculté de Médecine-Hôpital Saint-Louis, 15 rue de l'Ecole de Médecine, 75006 Paris, France*

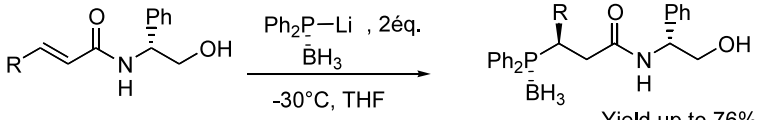


Tetrahedron Letters 43 (2002) 9237

Alternative synthesis of α-substituted β-amidophosphines by [1,4]-addition. A new route to chiral ligands

Matthieu Léautey, Géraldine Castelot-Deliencourt, Philippe Jubault, Xavier Pannecoucke and Jean-Charles Quirion*

Laboratoire d'Hétérochimie Organique associé au CNRS, IRCOF, INSA et Université de Rouen, 1 rue Tesnière, 76821 Mont Saint-Aignan Cedex, France



3

4

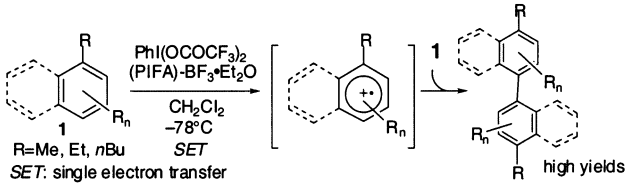
Yield up to 76%
d.e. up to 74%

Tetrahedron Letters 43 (2002) 9241

Novel and efficient oxidative biaryl coupling reaction of alkylarenes using a hypervalent iodine(III) reagent

Hirofumi Tohma, Minako Iwata, Tomohiro Maegawa and Yasuyuki Kita*

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

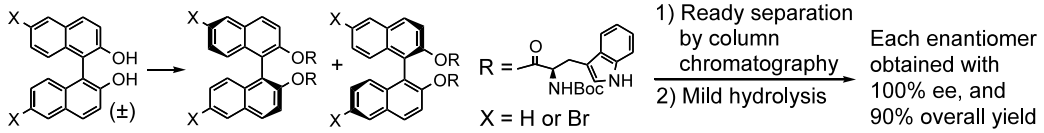


Tetrahedron Letters 43 (2002) 9245

Convenient and highly efficient chromatographic resolution of BINOL and of 6,6′-dibromo-BINOL via *N*(α)-Boc-tryptophan esters

Bhavesh M. Panchal, Cathy Einhorn and Jacques Einhorn*

Laboratoire d'études dynamiques et structurales de la sélectivité/UMR 5616, Université Joseph Fourier, BP 53, 38041 Grenoble Cedex 9, France

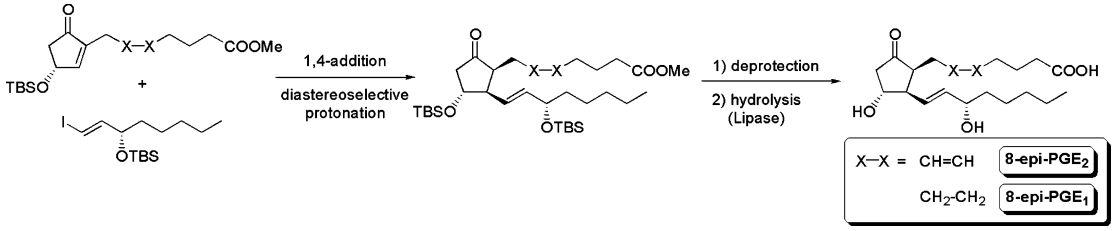


Tetrahedron Letters 43 (2002) 9249

Total synthesis of E_1 and E_2 isoprostanes by diastereoselective protonation

Ana R. Rodríguez and Bernd W. Spur*

Department of Cell Biology, University of Medicine and Dentistry of New Jersey, SOM, Stratford, NJ 08084, USA



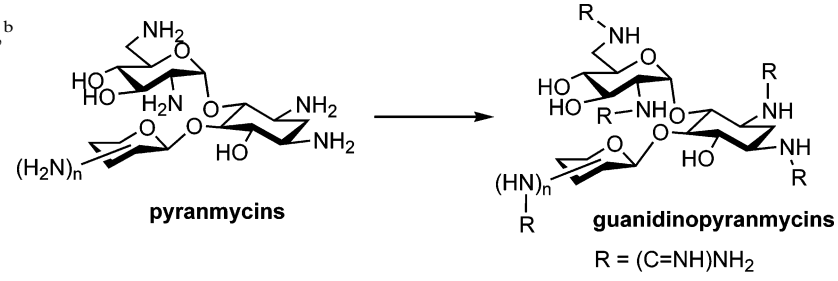
Tetrahedron Letters 43 (2002) 9255

Synthesis of novel guanidine incorporated aminoglycosides, guanidinopyranmycins

Yu Hui,[a] Roger Ptak,[b] Robin Paulman,[b] Melanie Pallansch[b] and Cheng-Wei Tom Chang[a,*]

[a]*Department of Chemistry and Biochemistry, Utah State University, 0300 Old Main Hill, Logan, UT 84322, USA*

[b]*Infectious Disease Research Department, Southern Research Institute, 431 Aviation Way, Frederick, MD 21701, USA*



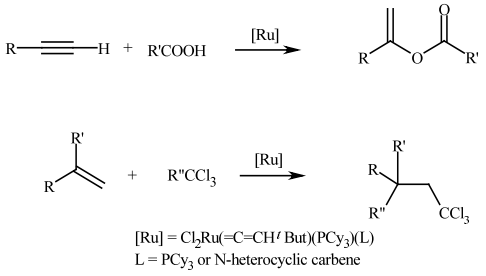
A library of new guanidinoglycosides, guanidinopyranmycins were synthesized along with the studies of their preliminary assay against HIV-1.

Tetrahedron Letters 43 (2002) 9259

Atom transfer radical addition and enol-ester synthesis catalyzed by Ru-vinylidene complexes

Tom Opstal and Francis Verpoort*

Department of Inorganic and Physical Chemistry, Laboratory of Organometallic Chemistry and Catalysis, Ghent University, Krijgslaan 281 (S-3), 9000 Ghent, Belgium



RuO_4-promoted *syn*-oxidative polycyclization of isoprenoid polyenes: a new stereoselective cascade process

Tetrahedron Letters 43 (2002) 9265

Giuseppe Bifulco,[b] Teresa Caserta,[a] Luigi Gomez-Paloma[b] and Vincenzo Piccialli[a,*]

[a]*Dipartimento di Chimica Organica e Biochimica, Università degli Studi di Napoli 'Federico II', Via Cynthia 4, 80126 Napoli, Italy*
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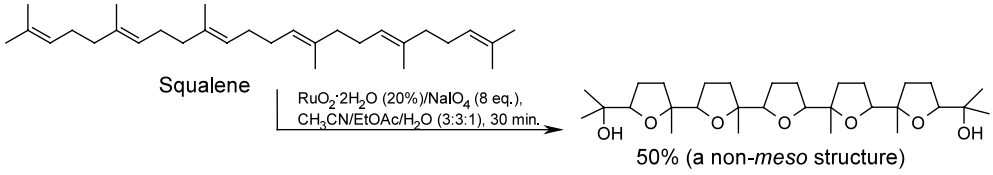
An example of the one-pot oxidative polycyclization of isoprenoid polyenes induced by RuO_4 is shown.



Copper-mediated reaction of 2-halopyridines with ethyl bromodifluoroacetate

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1
X= Cl, Br

2

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