Synthesis of novel 2-cyanothiazolocarbazoles analogues of ellipticine

Tetrahedron Letters 43 (2002) 2483

Hadjila Chabane,[a,b] Christelle Lamazzi,[a,b] Valérie Thiéry,[a] Gérald Guillaumet[b] and Thierry Besson[a,*]

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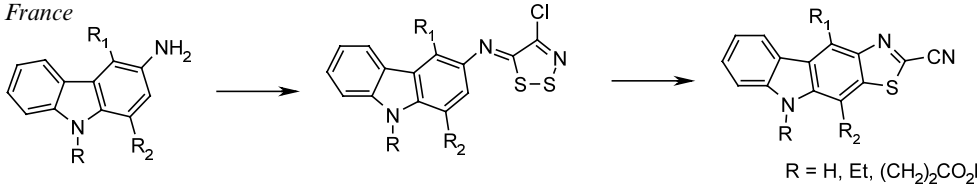
[b]*Institut de Chimie Organique et Analytique, UMR-CNRS 6005, Université d'Orléans, rue de Chartres, BP 6759, F-45067 Orléans cedex 2, France*

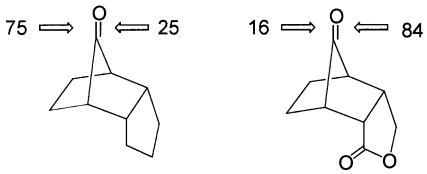


π-Facial selectivities in nucleophilic additions to 4-hetero-tricyclo[5.2.1.0^{2,6}]decan-10-ones and 4-hetero-tricyclo[5.2.1.0^{2,6}]dec-8-en-10-ones: an experimental and computational study

Tetrahedron Letters 43 (2002) 2487

Goverdhan Mehta,[a,*] Vanessa Gagliardini,[a] U. Deva Priyakumar[b] and G. Narahari Sastry[b,*]

[a]*Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India*
[b]*Department of Chemistry, Pondicherry University, Pondicherry 605 014, India*

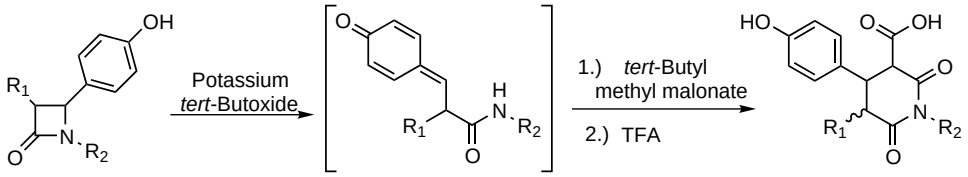


Two-carbon ring expansion of β-lactams via N(1)–C(4) cleavage reactions

Tetrahedron Letters 43 (2002) 2491

Larry A. Cabell and John S. McMurray*

The University of Texas M. D. Anderson Cancer Center, Department of Neuro-Oncology, Box 316, 1515 Holcombe Blvd, Houston, TX 77030, USA



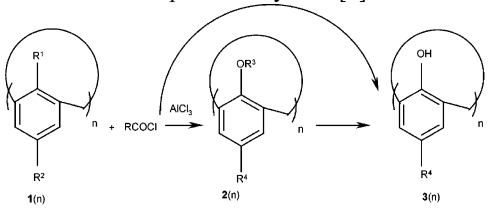
A one-step, one-pot synthesis of *p*-acyl calix[*n*]arenes

Tetrahedron Letters 43 (2002) 2495

Satish Kumar, H. M. Chawla and R. Varadarajan*

Department of Chemistry, Indian Institute of Technology, New Delhi 110016, India

A one-step, one-pot procedure for conversion of *p*-*tert*-butylcalix[*n*]arenes to their *p*-acyl derivatives has been achieved.



Where n=4, 6, 8
R^1= OH, OCH_3, R^2= *t*-Bu, H, R^3= COC_6H_5, $COCH_3$, COC_2H_5, CO-2-OH-C_6H_4, R^4=COC_6H_5, CO-2-OH-C_6H_4, CO-4-NO_2-C_6H_4

O-Silylated steroidal *cis*-aminoalcohols as chiral auxiliaries: highly diastereoselective Pd-catalyzed cyclopropanation of α,β-unsaturated aldimines

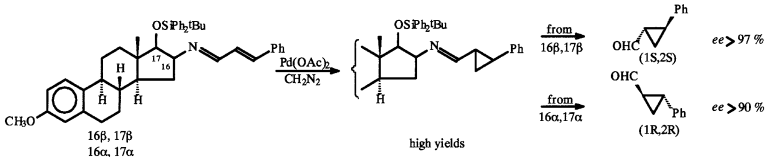
Tetrahedron Letters 43 (2002) 2499

M. Dubs,[a] H. Dieks,[a] W. Günther,[a] M. Kötteritzsch,[a] W. Poppitz[b] and B. Schönecker[a,*]

[a]*Institut für Organische Chemie und Makromolekulare Chemie, Friedrich-Schiller-Universität Jena, Humboldtstr. 10, D-07743 Jena, Germany*

[b]*Institut für Anorganische und Analytische Chemie, Friedrich-Schiller-Universität Jena, Humboldtstr. 10, D-07743 Jena, Germany*

α,β-Unsaturated imines from *cis*-17-silyloxy-16-amino steroids are cyclopropanated with high chemo- and diastereoselectivity. Simple chromatography gives the cyclopropanoaldehydes with high ee's as well as the chiral auxiliaries in high yields.



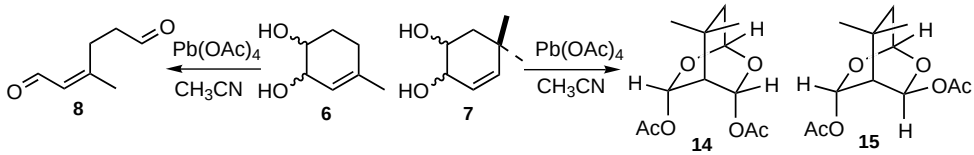
$Pb(OAc)_4$ mediated hetero-domino transformations: can any unsaturated 1,2-diol be regarded as a substrate?

Tetrahedron Letters 43 (2002) 2505

José Ignacio Candela Lena, Ertan Altinel, Nicolas Birlirakis and Siméon Arseniyadis*

Institut de Chimie des Substances Naturelles, CNRS, F-91198 Gif-sur-Yvette, France

The limits of the $Pb(OAc)_4$ mediated domino reactions are illustrated with two selected examples; monocyclic unsaturated diols **6** and **7**.



First synthesis of hydroxy-pinonaldehyde and hydroxy-pinonic acid, monoterpene degradation products present in atmosphere

Tetrahedron Letters 43 (2002) 2511

Fabienne Fache,[a,*] Olivier Piva[a,*] and Philippe Mirabel[b]

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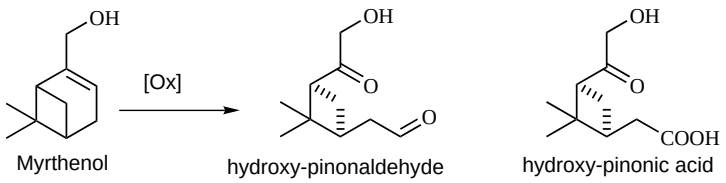
[b]*Centre de Géochimie de la Surface, Université Louis Pasteur Strasbourg I, 1 rue Blessig, F-67084 Strasbourg cedex, France*



Detection of a π–π complex by diffusion-ordered spectroscopy (DOSY)

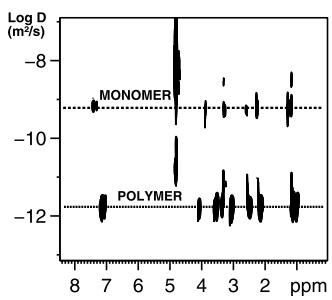
Tetrahedron Letters 43 (2002) 2515

Stéphane Viel,[a] Luisa Mannina[a,b,*] and Annalaura Segre[a]

[a]*Istituto di Metodologie Chimiche, C.N.R., Area della Ricerca di Roma, C.P. 10, I-00016 Monterotondo Stazione, Rome, Italy*

[b]*Università degli Studi del Molise, Facoltà di Scienze MM.FF.NN., Dip. S.T.A.T., Via Mazzini 8, I-86170 Isernia, Italy*

π–π stacked complexes of metolachlor have been identified by DOSY.

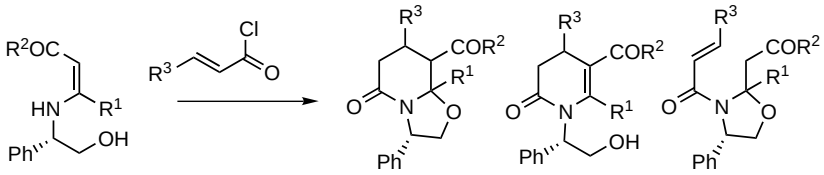


Tetrahedron Letters 43 (2002) 2521

Asymmetric synthesis of nitrogen heterocycles by reaction of chiral β-enaminocarbonyl substrates with acrylate derivatives

Claude Agami, Luc Dechoux* and Séverine Hebbe

Laboratoire de Synthèse Asymétrique (UMR 7611), Université P. et M. Curie, 4 place Jussieu, 75005 Paris, France

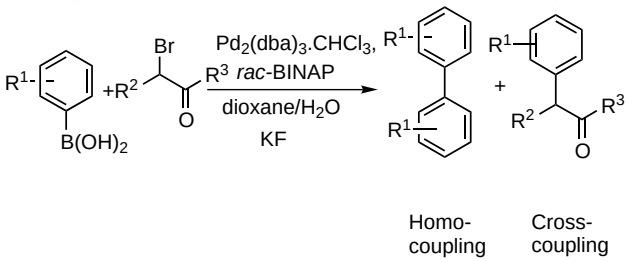


Tetrahedron Letters 43 (2002) 2525

A novel palladium-catalyzed homocoupling reaction initiated by transmetallation of palladium enolates

Aiwen Lei and Xumu Zhang*

Department of Chemistry, 152 Davey Laboratory, Penn State University, University Park, PA 16802, USA

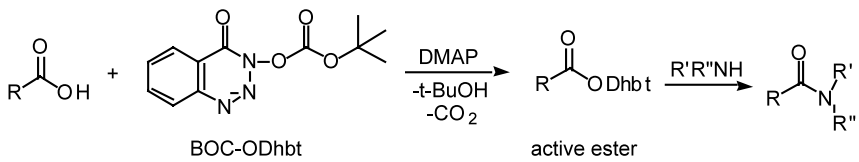


Tetrahedron Letters 43 (2002) 2529

Activation of carboxylic acids as their active esters by means of *tert*-butyl 3-(3,4-dihydrobenzotriazine-4-on)yl carbonate

Yochai Basel and Alfred Hassner*

Department of Chemistry, Bar-Ilan University, Ramat Gan 52900, Israel

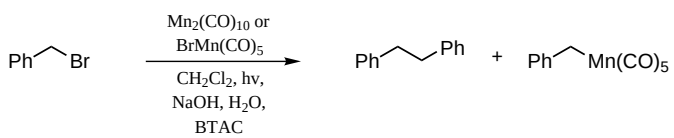


Tetrahedron Letters 43 (2002) 2535

Biphasic manganese carbonyl reactions: a new approach to making carbon–carbon bonds

Nathalie Huther,[a] P. Terry McGrail[b] and Andrew F. Parsons[a,*]

[a]*Department of Chemistry, University of York, Heslington, York YO10 5DD, UK*
[b]*Cytec Fiberite Ltd, N131 Wilton Centre, Wilton, Redcar TS10 4RF, UK*

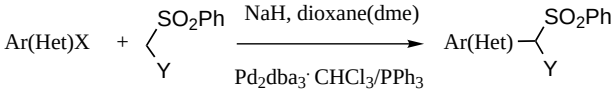


Palladium-catalyzed arylation of sulfonyl CH-acids

Tetrahedron Letters 43 (2002) 2539

Alexander N. Kashin,[a] Anton V. Mitin,[a] Irina P. Beletskaya[a,*] and Richard Wife[b]

[a]*Chemistry Department, Moscow State University, 119899, Leninskie Gory, Moscow, Russia*
[b]*SPECS and BioSPECS, Fleminglaan 16, 2289 CP Rijswijk, The Netherlands*



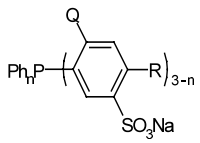
Y=CO_2Et; SO_2Ph; COPh; NO_2

A direct approach to selective sulfonation of triarylphosphines

Tetrahedron Letters 43 (2002) 2543

Henrik Gulyás,[a] Áron Szöllősy,[b] Brian E. Hanson[c] and József Bakos[d,*]

[a]*Research Group for Petrochemistry, Hungarian Academy of Sciences, P.O. Box 158, H-8201 Veszprém, Hungary*
[b]*Department of General and Analytical Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary*
[c]*Department of Chemistry, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0212, USA*
[d]*Department of Organic Chemistry, University of Veszprém, P.O. Box 158, H-8201 Veszprém, Hungary*



1b - 6b

n = 0, 1, 2
Q = R = CH_3 or Q = H, R = OCH_3

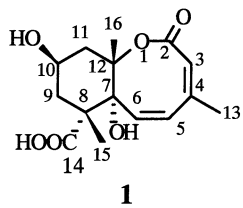
New type sesquiterpene lactone from almond hulls (*Prunus amygdalus* Batsch)

Tetrahedron Letters 43 (2002) 2547

Shengmin Sang,[a,*] Xiaofang Cheng,[b] Hui-Yin Fu,[c] Den-En Shieh,[c] Naisheng Bai,[a] Karen Lapsley,[d] Ruth E. Stark,[b] Robert T. Rosen[a] and Chi-Tang Ho[a]

[a]*Department of Food Science and Center for Advanced Food Technology, Rutgers University, 65 Dudley Road, New Brunswick, NJ 08901-8520, USA*
[b]*Department of Chemistry, College of Staten Island, City University of New York, New York, NY 10314, USA*
[c]*Department of Food Sanitation, Tajen Institute of Technology, Pingtung, Taiwan*
[d]*Almond Board of California, 1150 Ninth Street, Suite 1500, Modesto, CA 95354, USA*

A new unusual sesquiterpene lactone, named amygdalactone, was isolated from the hulls of almond (*Prunus amygdalus*). Complete assignment of the proton and carbon chemical shifts for the new lactone was accomplished on the basis of high-resolution 1D and 2D NMR data. Amygdalactone represents a new class of sesquiterpene with a cyclohexa[7,12-*g*]octalactone ring system. The cytotoxic activity of amygdalactone was determined.



1

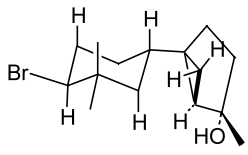
Bromocyclococanol, a halogenated sesquiterpene with a novel carbon skeleton from the red alga *Laurencia obtusa*

Tetrahedron Letters 43 (2002) 2551

Inmaculada Brito, Mercedes Cueto, Enrique Dorta 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, configuration and possible biogenesis for bromocyclococanol **1** are described.



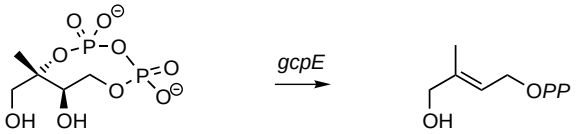
1

Isoprenoid biosynthesis via the methylerythritol phosphate pathway. (*E*)-4-Hydroxy-3-methylbut-2-enyl diphosphate: chemical synthesis and formation from methylerythritol cyclodiphosphate by a cell-free system from *Escherichia coli*

Tetrahedron Letters 43 (2002) 2555

Murielle Wolff,[a] Myriam Seemann,[a] Catherine Grosdemange-Billiard,[a] Denis Tritsch,[a] Narciso Campos,[b] Manuel Rodríguez-Concepción,[b] Albert Boronat[b] and Michel Rohmer[a,*]

[a]*Université Louis Pasteur/CNRS, Institut Le Bel, 4 rue Blaise Pascal, F-67070 Strasbourg Cedex, France*
[b]*Departament de Bioquímica i Biologia Molecular, Facultat de Química, Universitat de Barcelona, Martí i Franquès, E-08028 Barcelona, Spain*

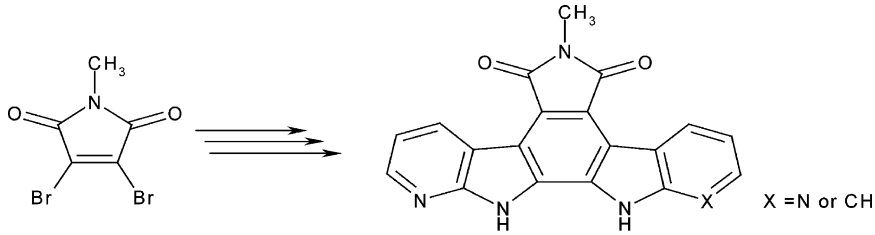


First synthesis of symmetrical and non-symmetrical aza indolocarbazoles derivatives

Tetrahedron Letters 43 (2002) 2561

Sylvain Routier,[a,*] Gérard Coudert,[a] Jean-Yves Mérour[a] and Daniel Henri Caignard[b]

[a]*Institut de Chimie Organique et Analytique associé au CNRS, Université d'Orléans, BP 6759, 45067 Orléans Cédex 02, France*
[b]*ADIR, 1 rue Carle Hebert, 92415 Courbevoie Cedex, France*

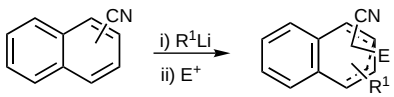


Dearomatisation of 1- and 2-cyanonaphthalene through nucleophilic conjugate addition

Tetrahedron Letters 43 (2002) 2565

Carmen M. Andújar Sánchez, Mª José Iglesias and Fernando López Ortiz*

Área de Química Orgánica, Universidad de Almería, Carretera de Sacramento, 04120 Almería, Spain



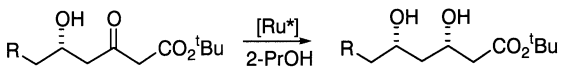
Diastereoselective synthesis of *syn*-3,5-dihydroxyesters via ruthenium-catalyzed asymmetric transfer hydrogenation

Tetrahedron Letters 43 (2002) 2569

Kathelyne Everaere,[a] Nicolas Franceschini,[a] André Mortreux[a] and Jean-François Carpentier[b,*]

[a]*Laboratoire de Chimie Organique Appliquée, ENSCL, BP 108-59652 Villeneuve d'Ascq, France*
[b]*Laboratoire Organométalliques et Catalyse, Université de Rennes 1, 35042 Rennes Cedex, France*

Chiral 5-hydroxy-3-ketoesters are transformed in 2-propanol into corresponding *syn*-3,5-dihydroxyesters in high yields by using Ru-{β-amino alcohol} catalysts.



R = H, BnO

up to 96% yield and 80% *de syn*

Tetrahedron Letters 43 (2002) 2573

A new dimeric 9,10-dihydrophenanthrenoid from the rhizome of *Juncus acutus*

Marina DellaGreca,[a,*] Antonio Fiorentino,[b] Pietro Monaco,[b] Lucio Previtera[a] and Armando Zarrelli[a]

[a]*Dipartimento di Chimica Organica e Biochimica, Università Federico II, Complesso Universitario Monte Sant'Angelo, Via Cynthia 4, I-80126 Napoli, Italy*
[b]*Dipartimento di Scienze della Vita, II Università di Napoli, Via Vivaldi 43, I-81100 Caserta, Italy*

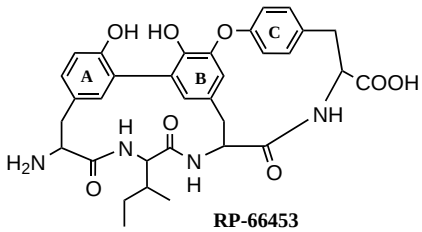
The isolation and structure determination of an unusual heptacyclic dihydrophenanthrenoid from the wetland plant *Juncus acutus* is reported.

Tetrahedron Letters 43 (2002) 2577

Studies toward the total synthesis of RP-66453

Sabine Boisnard and Jieping Zhu*

Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette, France



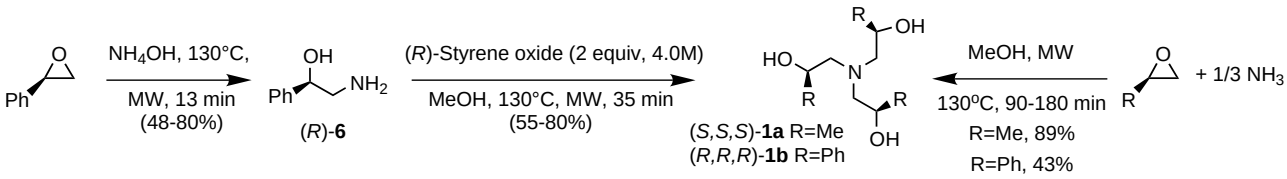
RP-66453

Tetrahedron Letters 43 (2002) 2581

Highly regioselective microwave-assisted synthesis of enantiopure C_3-symmetric trialkanolamines

Laura Favretto,[a] William A. Nugent[b] and Giulia Licini[a,*]

[a]*Università di Padova, Dipartimento di Chimica Organica, CMRO del CNR, via Marzolo 1, 35131 Padova, Italy*
[b]*Bristol-Myers Squibb Pharma Co., P.O. Box 269, Deepwater, NJ 08023, USA*



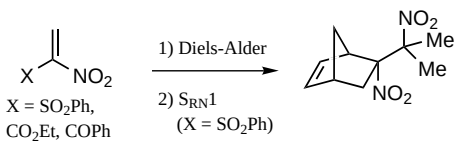
Tetrahedron Letters 43 (2002) 2585

Generation and in situ Diels–Alder reactions of activated nitroethylene derivatives

Peter A. Wade,[a,*] James K. Murray, Jr.,[a] Sharmila Shah-Patel[a] and Patrick J. Carroll[b]

[a]*Department of Chemistry, Drexel University, Philadelphia, PA 19104, USA*
[b]*Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104, USA*

Activated nitroethylene derivatives can be easily generated and used in situ for Diels–Alder reactions.

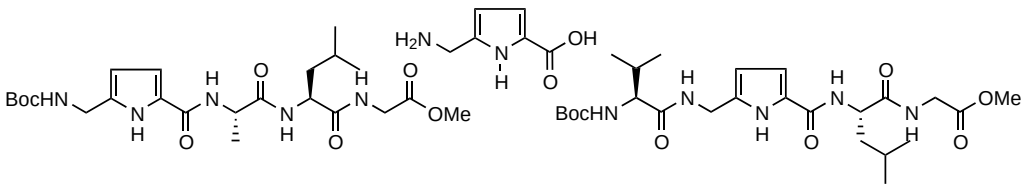


Tetrahedron Letters 43 (2002) 2589

Development of 5-(aminomethyl)pyrrole-2-carboxylic acid as a constrained surrogate of Gly-ΔAla and its application in peptidomimetic studies

Tushar K. Chakraborty,* B. Krishna Mohan, S. Kiran Kumar and Ajit C. Kunwar

Indian Institute of Chemical Technology, Hyderabad 500 007, India

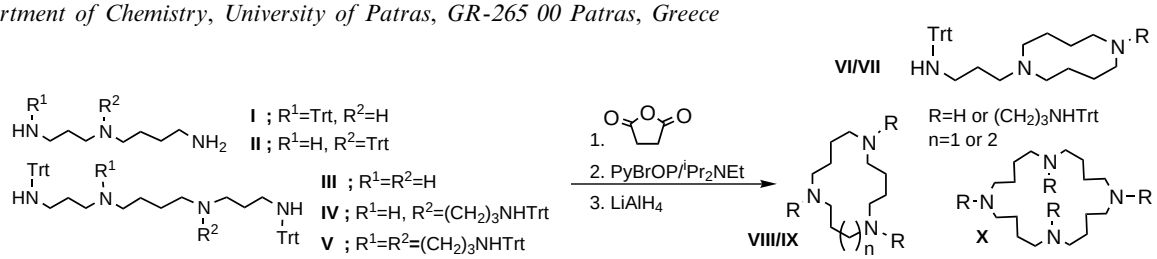


Tetrahedron Letters 43 (2002) 2593

Simple syntheses of cyclic polyamines using selectively *N*-tritylated polyamines and succinic anhydride

Maria Militsopoulou, Nikolaos Tsiakopoulos, Christos Chochos, George Magoulas and Dionissios Papaioannou*

Department of Chemistry, University of Patras, GR-265 00 Patras, Greece

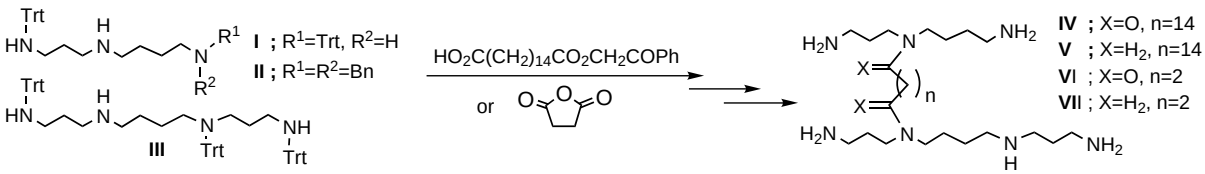


Tetrahedron Letters 43 (2002) 2597

Simple syntheses of the polyamine alkaloid tenuilobine and analogues using selectively *N*-tritylated polyamines and dicarboxylic acids as bridging elements

Stratos Vassis,[a] Ioannis Govaris,[a] Katerina Voyagi,[a] Petros Mamos[b] and Dionissios Papaioannou[a,*]

[a]*Department of Chemistry, University of Patras, GR-265 00 Patras, Greece*
[b]*Department of Medicine, University of Patras, GR-265 00 Patras, Greece*

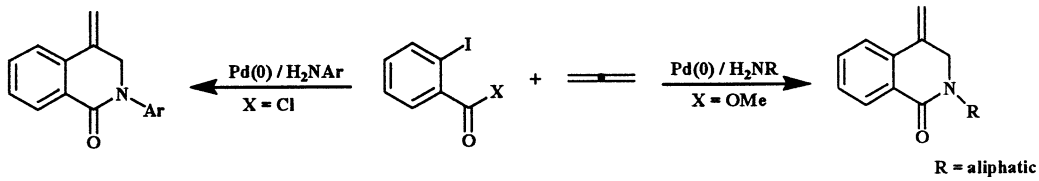


Tetrahedron Letters 43 (2002) 2601

Synthesis of *N*-substituted 4-methylene-3,4-dihydro-1(2*H*)-isoquinolin-1-ones via a palladium-catalysed three-component process

Ronald Grigg,[a,*] Tossapol Khamnaen,[b] Shuleewan Rajviroongit[b] and Visuvanathar Sridharan[a]

[a]*Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, Leeds University, Leeds LS2 9JT, UK*
[b]*Department of Chemistry, Faculty of Science, Mahidol University, Rama 6 Rd, Rajthevee, Bangkok 10400, Thailand*



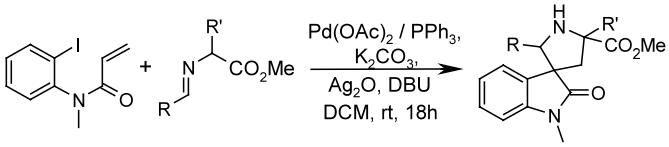
Tetrahedron Letters 43 (2002) 2605

Spiro-oxindoles via bimetallic [Pd(0)/Ag(I)] catalytic intramolecular Heck-1,3-dipolar cycloaddition cascade reactions

Ronald Grigg,* Emma L. Millington and Mark Thornton-Pett

Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, The University of Leeds, Leeds LS2 9JT, UK

A bimetallic catalytic cascade process, occurring at room temperature, involving formation of two rings, three bonds and three stereocentres, furnishes spiro-oxindoles in 50–72% yield.

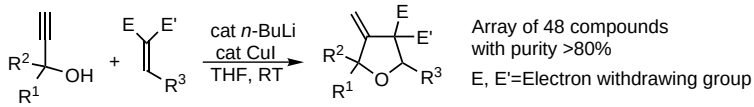


Tetrahedron Letters 43 (2002) 2609

Solution-phase parallel tetrahydrofuran synthesis with propargyl alcohols and benzylidene-(or alkylidene-)malonates

Marcello Cavicchioli,[a] Xavier Marat,[a] Nuno Monteiro,[a] Benoît Hartmann[b] and Geneviève Balme[a,*]

[a]*Laboratoire de Chimie Organique 1, CNRS UMR 5622, Université Claude Bernard, Lyon 1, CPE 43, Bd du 11 Novembre 1918, 69622 Villeurbanne, France*
[b]*Aventis Cropscience, 14/20 rue Pierre Baizet, 69623 Lyon France*

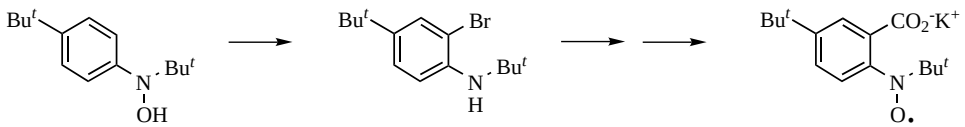


Tetrahedron Letters 43 (2002) 2613

Hetero-Cope rearrangement for the synthesis of potassium 5-*tert*-butyl-2-(*tert*-butyl-aminoxy)-benzoate, a highly water-soluble stable free radical

Lucien Marx and André Rassat*

Ecole Normale Supérieure and CNRS, 24 rue Lhomond, F75231 Paris, Cedex 05, France

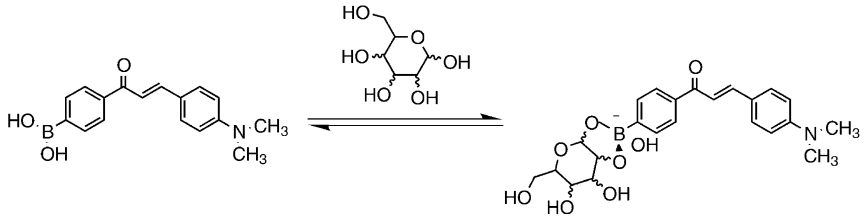


Tetrahedron Letters 43 (2002) 2615

Chalcone-analogue fluorescent probes for saccharides signaling using the boronic acid group

Nicolas DiCesare and Joseph R. Lakowicz*

Center for Fluorescence Spectroscopy, University of Maryland, School of Medicine, 725 W. Lombard St., Baltimore, MD 21201, USA

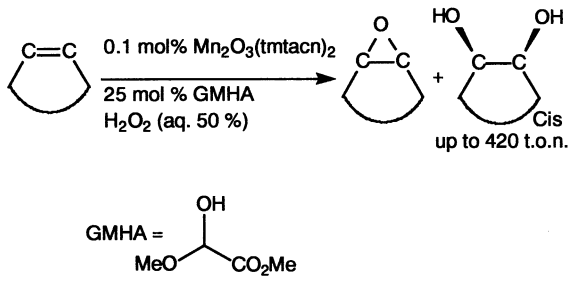


Homogeneous *cis*-dihydroxylation and epoxidation of olefins with high H_2O_2 efficiency by mixed manganese/activated carbonyl catalyst system

Tetrahedron Letters 43 (2002) 2619

Jelle Brinksma,[a] Lizette Schmieder,[b] Gerbert van Vliet,[b] Rob Boaron,[b] Ronald Hage,[c] Dirk E. De Vos,[d] Paul L. Alsters[b,*] and Ben L. Feringa[a,*]

[a]*Laboratory of Organic Chemistry, Stratingh Institute, University of Groningen, Nijenborgh 4, 9747 AG Groningen, The Netherlands*
[b]*DSM Fine Chemicals, Advanced Synthesis and Catalysis, PO Box 18, 6160 MD Geleen, The Netherlands*
[c]*Unilever Research Laboratory Vlaardingen, PO Box 114, 3130 AC Vlaardingen, The Netherlands*
[d]*Centre for Surface Chemistry and Catalysis, Katholieke Universiteit Leuven, Kasteelpark Arenberg 23, 3001 Leuven, Belgium*



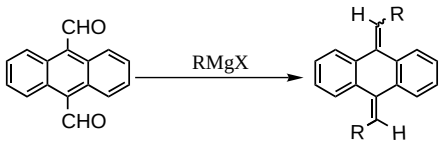
Synthesis of 11,12-disubstituted 9,10-anthraquinodimethanes: the first dehydroxylation reaction by active magnesium

Tetrahedron Letters 43 (2002) 2623

Shaheen M. I. Shah, Shigeyasu Kuroda,* Mitsunori Oda,* Tokiko Tanaka, Ryuta Miyatake and Mayumi Izawa

Department of Applied Chemistry, Faculty of Engineering, Toyama University, Gofuku 3190, Toyama 930-8555, Japan

The reaction of 9,10-diformylanthracene with Grignard reagents gave the title compounds, which was caused by the active magnesium generated from the Grignard reagents.



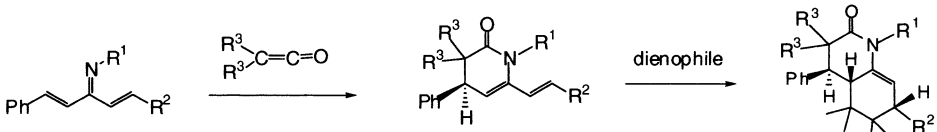
R = Me, Et, Ph, *o*-MeC_6H_4, *p*-MeC_6H_4, *p*-$MeOC_6H_4$

Diene-transmissive hetero Diels–Alder reaction of cross-conjugated azatrienes with ketenes: a novel and efficient, stereo-controlled synthetic method for hexahydroquinolinones

Tetrahedron Letters 43 (2002) 2627

Takao Saito,* Satoru Kobayashi, Masato Ohgaki, Mari Wada and Chikako Nagahiro

Department of Chemistry, Faculty of Science, Science University of Tokyo, Kagurazaka, Shinjuku-ku, Tokyo 162-8601, Japan



R^1 = Ar, Alkyl, Bn, Me_2N R^2 = Ph, CO_2Et R^3 = Ph, Me, Cl

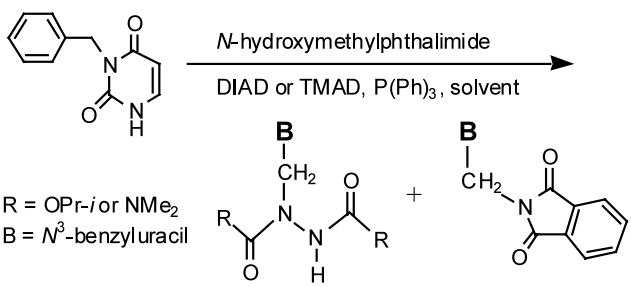
Reaction of N^3-benzyluracil and *N*-hydroxymethylphthalimide with the Mitsunobu reagent: synthesis of hydrazylmethyluracils

Tetrahedron Letters 43 (2002) 2633

Shigetada Kozai, Shigeru Takaoka and Tokumi Maruyama*

Faculty of Pharmaceutical Sciences, Tokushima Bunri University, 180 Yamashiro-cho, Tokushima 770-8514, Japan

N^3-Benzyluracil was treated with *N*-hydroxymethylphthalimide in the presence of the Mitsunobu reagent to give an unusual product bearing a hydrazylmethyl group and/or the condensate.



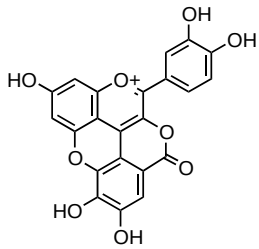
R = OPr-*i* or NMe_2
B = N^3-benzyluracil

Structure of rosacyanin B, a novel pigment from the petals of *Rosa hybrida*

Tetrahedron Letters 43 (2002) 2637

Yuko Fukui,[a] Takaaki Kusumi,[a,*] Katsuyoshi Masuda,[b] Takashi Iwashita[b] and Kyosuke Nomoto[c,*]

[a]*Institute for Fundamental Research, Suntory Ltd., 1-1-1 Wakayamadai, Shimamoto, Mishima, Osaka 618-8503, Japan*
[b]*Suntory Institute for Bioorganic Research, 1-1-1 Wakayamadai, Shimamoto, Mishima, Osaka 618-8503, Japan*
[c]*Faculty of Life Sciences, Toyo University, 1-1-1 Izumino, Itakura, Gunma 374-0193, Japan*

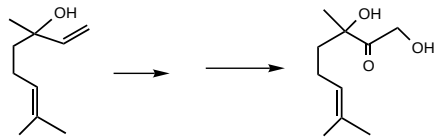


(*S*)-3,7-Dimethyl-2-oxo-6-octene-1,3-diol: an aggregation pheromone of the Colorado potato beetle, *Leptinotarsa decemlineata* (Say)

Tetrahedron Letters 43 (2002) 2641

James E. Oliver,[a,*] Joseph C. Dickens[a] and Thomas E. Glass[b]

[a]*US Department of Agriculture, Agricultural Research Service, Plant Sciences Institute, Chemicals Affecting Insect Behavior Laboratory, Beltsville, MD 20705-2350, USA*
[b]*Department of Chemistry, Virginia Tech, Blacksburg, VA 24061-0212, USA*



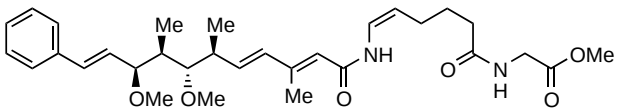
8a 3-(*S*) **1b** 3-(*S*)

Total synthesis of (+)-crocacin D

Tetrahedron Letters 43 (2002) 2645

Tushar K. Chakraborty* and Pasunoori Laxman

Indian Institute of Chemical Technology, Hyderabad 500 007, India



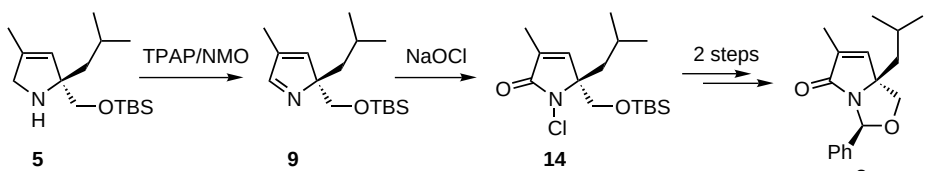
crocacin D

Studies on the oxidation of 2,2,4-trisubstituted 3-pyrrolines

Tetrahedron Letters 43 (2002) 2649

Martin P. Green,[a] Jeremy C. Prodger[b] and Christopher J. Hayes[a,*]

[a]*The School of Chemistry, The University of Nottingham, University Park, Nottingham NG7 2RD, UK*
[b]*GlaxoSmithKline, Medicines Research Centre, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY, UK*



5 **9** **14** **3**

First crystallographic signature of the highly ordered supramolecular helical assemblage from a tripeptide containing a non-coded amino acid

Tetrahedron Letters 43 (2002) 2653

Debasish Haldar,[a] Samir Kumar Maji,[a] William S. Sheldrick[b] and Arindam Banerjee[a,*]

[a]*Department of Biological Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700 032, India*

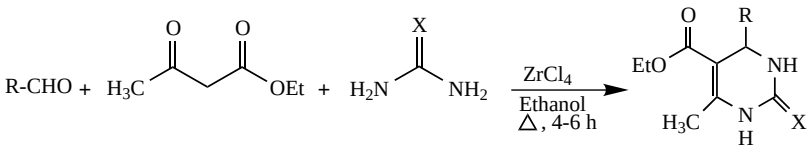
[b]*Lehrstuhl für Analytische Chemie, Ruhr-Universität Bochum, D-44780 Bochum, Germany*

Zirconium(IV) chloride catalyzed one-pot synthesis of 3,4-dihydropyrimidin-2(1*H*)-ones

Tetrahedron Letters 43 (2002) 2657

Ch. Venkateshwar Reddy, M. Mahesh, P. V. K. Raju, T. Ramesh Babu and V. V. Narayana Reddy*

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



1 **2** **3** **4 a-m**

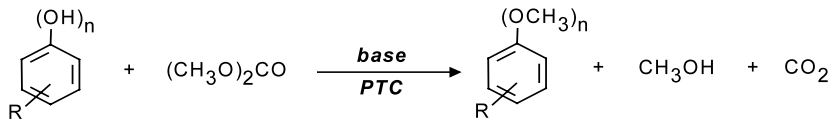
***O*-Methylation of phenolic compounds with dimethyl carbonate under solid/liquid phase transfer system**

Tetrahedron Letters 43 (2002) 2661

Samedy Ouk,[a] Sophie Thiebaud,[a,*] Elisabeth Borredon,[a] Pierre Legars[b] and Loïc Lecomte[b]

[a]*Laboratoire de Chimie Agro-industrielle, UMR 31010 INRA/INP-ENCIACET, 118 route de Narbonne, 31077 Toulouse cedex 4, France*

[b]*SNPE-Toulouse, Chemin de la loge, 31078 Toulouse cedex, France*



Enantioselective epoxidation of chromenes using chiral Mn(III) salen catalysts with built-in phase-transfer capability

Tetrahedron Letters 43 (2002) 2665

Rukhsana I. Kureshy,* Noor-ul H. Khan, Sayed H. R. Abdi, Sunil T. Patel, Parameswar K. Iyer and Raksh V. Jasra

Silicates and Catalysis Discipline, Central Salt and Marine Chemicals Research Institute, Bhavnagar 364 002, India