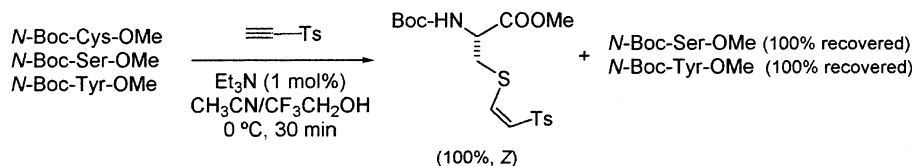


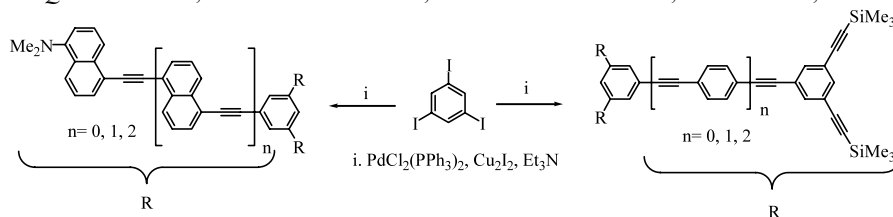
Chemoselective protection of thiols versus alcohols and phenols. The Tosvinyl group

Tetrahedron Letters 44 (2003) 6369

Odón Arjona,^{a,*} Rocío Medel,^a Jenny Rojas,^a Anna M. Costa^b and Jaume Vilarrasa^{b,*}^aDepartamento de Química Orgánica I, Facultad de Química, Universidad Complutense, 28040 Madrid, Spain^bDepartament de Química Orgànica, Facultat de Química, Universitat de Barcelona, 08028 Barcelona, Catalonia, Spain

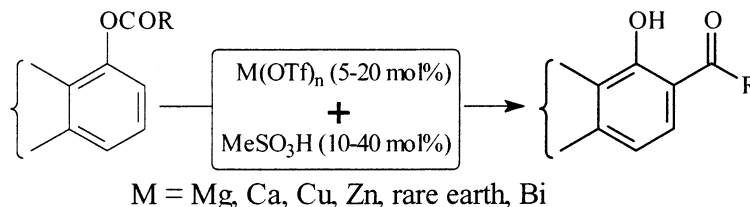
Synthesis of carbon dendron nano-chains with π -extended conjugation based on linear 1,4-phenylethynyl and 1,5-naphthylethynyl subunits

Tetrahedron Letters 44 (2003) 6375

J. Gonzalo Rodríguez,^{a,*} J. Luis Tejedor,^a Jorge Esquivias^a and Cristina Díaz^b^aDepartamento de Química Orgánica, Facultad de Ciencias, Universidad Autónoma, Cantoblanco, 28049 Madrid, Spain^bDepartamento de Química Física, Facultad de Ciencias, Universidad Autónoma, Cantoblanco, 28049 Madrid, Spain

Metal triflates–methanesulfonic acid as new catalytic systems: application to the Fries rearrangement

Tetrahedron Letters 44 (2003) 6379

Omar Mouhtady,^a Hafida Gaspard-Illoughmane,^{a,*} Nicolas Roques^b and Christophe Le Roux^{a,*}^aHétérochimie Fondamentale et Appliquée (UMR-CNRS 5069), Université Paul-Sabatier, 118 route de Narbonne, 31062 Toulouse Cedex 04, France^bRhodia Organique Fine, Centre de Recherche de Lyon, 85 avenue des Frères Perret, 69192 Saint-Fons Cedex, France

A short total synthesis of sulfobacin A

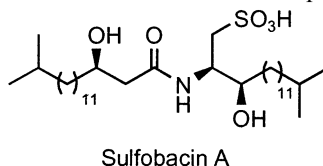
Tetrahedron Letters 44 (2003) 6383

Olivier Labeeuw, Phannarath Phansavath and Jean-Pierre Genêt^{*}

Laboratoire de Synthèse Sélective Organique et Produits Naturels-UMR CNRS 7573,

Ecole Nationale Supérieure de Chimie de Paris, 11, rue Pierre et Marie Curie, 75231 Paris cedex 05, France

A short total synthesis of the von Willebrand factor receptor antagonist sulfobacin A is reported using ruthenium-catalyzed asymmetric hydrogenation and diastereoselective electrophilic amination for the construction of the three stereogenic centers.



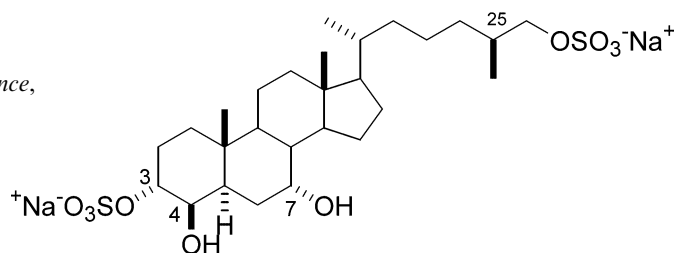
Synthesis of endogenous sperm-activating and attracting factor isolated from ascidian *Ciona intestinalis*

Tetrahedron Letters 44 (2003) 6387

Tohru Oishi,^a Hiroshi Tsuchikawa,^a Michio Murata,^{a,*} Manabu Yoshida^b and Masaaki Morisawa^b

^aDepartment of Chemistry, Graduate School of Science, Osaka University, Toyonaka, Osaka 560-0043, Japan

^bMisaki Marine Biological Station, Graduate School of Science, University of Tokyo, Miura, Kanagawa 238-0225, Japan

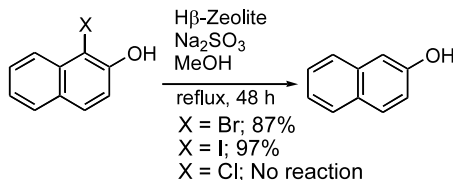


A novel application of H β -zeolite in catalytic dehalogenation of halophenols

Tetrahedron Letters 44 (2003) 6391

Subbarayappa Adimurthy, Gadde Ramachandraiah and Ashutosh V. Bedekar*

Central Salt and Marine Chemicals Research Institute, G.B. Road, Bhavnagar 364 002, India

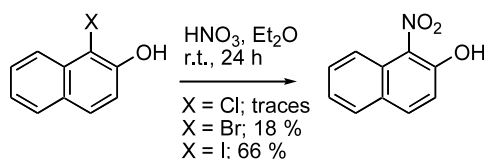


Investigations into the nitric acid mediated dehalonitration of halophenols

Tetrahedron Letters 44 (2003) 6393

Subbarayappa Adimurthy, Sanjay S. Vaghela, Punita V. Vyas, Anjani K. Bhatt, Gadde Ramachandraiah and Ashutosh V. Bedekar*

Central Salt and Marine Chemicals Research Institute, G.B. Road, Bhavnagar 364 002, India

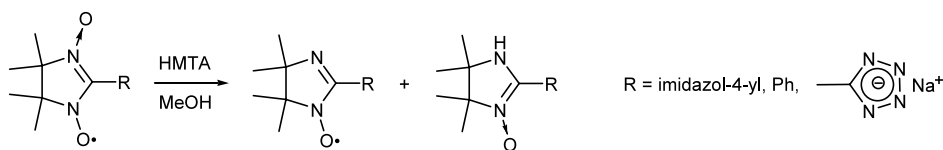


A new method for the reduction of nitronyl nitroxides

Tetrahedron Letters 44 (2003) 6397

Elena Yu. Fursova, Victor I. Ovcharenko,* Galina V. Romanenko and Eugene V. Tretyakov

International Tomography Center, Siberian Branch of Russian Academy of Sciences, Institutskaya 3a, Novosibirsk 630090, Russia

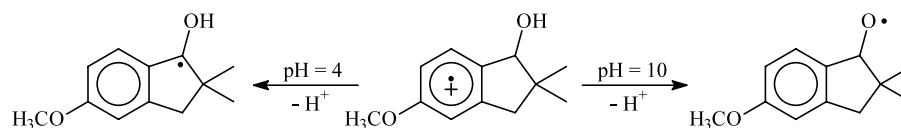


The role of oxygen acidity on the side-chain fragmentation of ring methoxylated benzocycloalkenol radical cations

Tetrahedron Letters 44 (2003) 6401

Monica Bellanova, Massimo Bietti* and Michela Salamone

Dipartimento di Scienze e Tecnologie Chimiche, Università 'Tor Vergata', Via della Ricerca Scientifica, I-00133 Rome, Italy

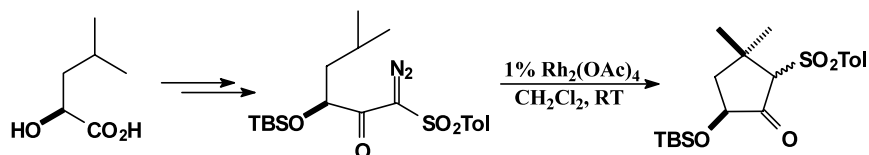


Synthesis of cyclopentane building blocks via an intramolecular C–H insertion reaction of a chiral pool derived α -diazo- γ -hydroxy- β -ketosulfone

Tetrahedron Letters 44 (2003) 6405

Saumitra Sengupta* and Somnath Mondal

Department of Chemistry, Jadavpur University, Kolkata 700 032, India



Contribution to the synthesis of chiral allenic esters

Tetrahedron Letters 44 (2003) 6409

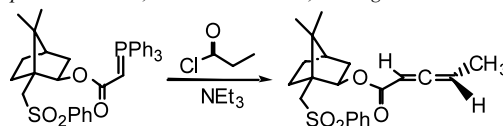
Teresa M. V. D. Pinho e Melo,^{a,*} Ana L. Cardoso,^a
 António M. d'A. Rocha Gonsalves,^a Richard C. Storr,^c João Costa Pessoa,^d
 José A. Paixão,^b Ana M. Beja^b and Manuela Ramos Silva^b

^aDepartamento de Química, Universidade de Coimbra, 3004-535 Coimbra, Portugal

^bDepartamento de Física, Universidade de Coimbra, 3004-516 Coimbra, Portugal

^cChemistry Department, The University of Liverpool, Liverpool L69 7ZD, UK

^dCentro de Química Estrutural, Instituto Superior Técnico, 1049-001 Lisboa, Portugal

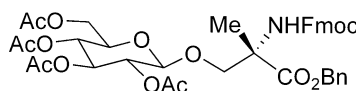


Synthesis of a new conformationally constrained glycoamino acid building block

Tetrahedron Letters 44 (2003) 6413

Alberto Avenoza,* Jesús M. Peregrina* and Emilio San Martín

Departamento de Química, Universidad de La Rioja, Grupo de Síntesis Química de La Rioja, U.A.-C.S.I.C., 26006 Logroño, Spain



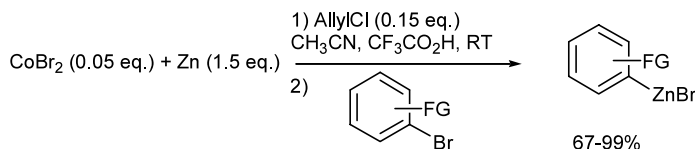
New progress in the cobalt-catalysed synthesis of aromatic organozinc compounds by reduction of aromatic halides by zinc dust

Tetrahedron Letters 44 (2003) 6417

Igor Kazmierski,^a Corinne Gosmini,^{a,*} Jean-Marc Paris^b and Jacques Périchon^a

^aLaboratoire d'Electrochimie, Catalyse et Synthèse Organique, UMR 7582, Université Paris XII-CNRS, 2, Rue Henri Dunant, 94320 Thiais, France

^bRhodia, Research Center of Lyon, 85, rue des Frères Perret, BP 62, 69192 Saint-Fons Cedex, France

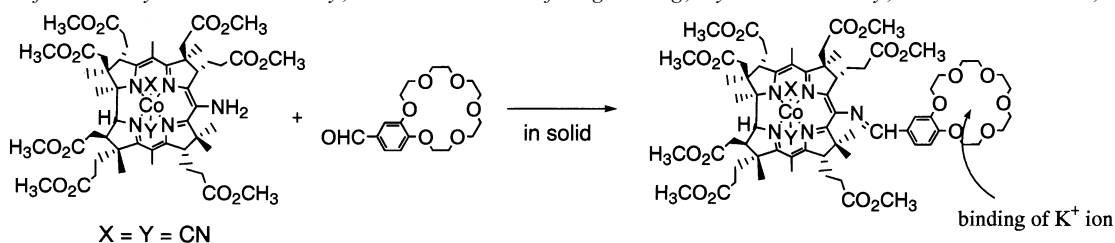


Solid-solid synthesis of a hydrophobic vitamin B₁₂ having a benzo-18-crown-6 moiety at the C10 position of the corrin ring

Tetrahedron Letters 44 (2003) 6421

Hisashi Shimakoshi, Tetsuo Inaoka and Yoshio Hisaeda*

Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 812-8581, Japan



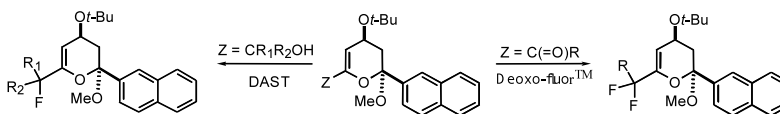
Regiocontrolled fluorination of 2-hydroxyalkyl dihydropyrans and carbonyl derivatives

Tetrahedron Letters 44 (2003) 6425

Nguyen Quang Vu,^a Danielle Grée,^b René Grée,^b Eric Brown^a and Gilles Dujardin^{a,*}

^aLaboratoire de Synthèse Organique, UMR CNRS 6011, Université du Maine, F-72085, Le Mans Cedex-9, France

^bENSCR, Laboratoire de Synthèses et Activations de Biomolécules UMR CNRS 6052, Avenue du général Leclerc, F-35700 Rennes, France



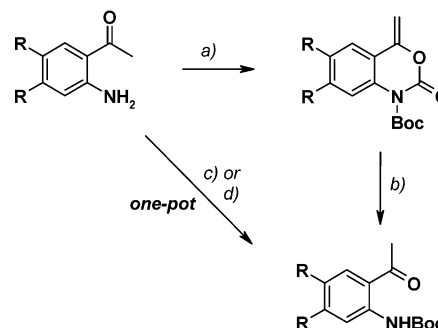
An efficient synthesis of *ortho*-N-Boc-arylmethyl ketone derivatives

Tetrahedron Letters 44 (2003) 6429

Pierre-Emmanuel Broutin, Peter Hilty and Andrew W. Thomas*

F. Hoffmann-La Roche AG, Pharmaceuticals Division, Discovery Chemistry, Basel CH 4070, Switzerland

A new and efficient method for the *one-pot* preparation of *ortho*-N-Boc-aryl methyl ketone derivatives is reported which involves the intermediacy of a 4-methylene-3,1-benzoxazin-2-one moiety which smoothly converts to the target compounds under acidic conditions.



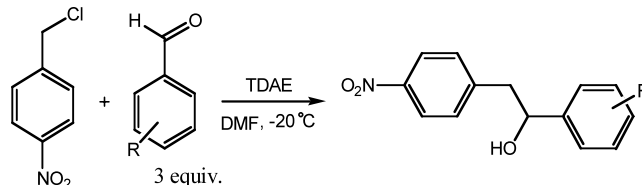
Original reaction of *p*-nitrobenzyl chloride with aldehydes using tetrakis(dimethylamino)ethylene (TDAE)

Tetrahedron Letters 44 (2003) 6433

Gamal Giuglio-Tonolo,^a Thierry Terme,^a Maurice Médebielle^b and Patrice Vanelle^{a,*}

^aLaboratoire de Chimie Organique Pharmaceutique LCOP, UMR CNRS 6517, Université de la Méditerranée, Faculté de Pharmacie, 27 Boulevard Jean Moulin, 13385 Marseille Cedex 05, France

^bUniversité Claude Bernard-Lyon 1, Laboratoire SERCOF (UMR CNRS 5622), Batiment E. Chevreul, 43, Boulevard du 11 novembre 1918, F-69622 Villeurbanne, France



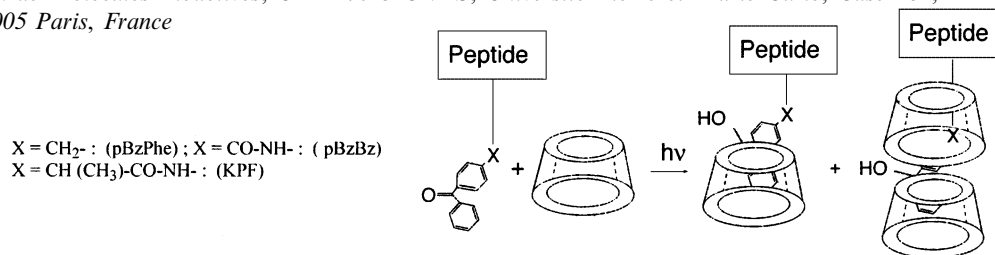
A series of disubstituted diarylethanols was prepared in moderate to good yields by reaction of *p*-nitrobenzyl chloride with various aromatic aldehydes in presence of tetrakis(dimethylamino)ethylene (TDAE).

Carbon-carbon bond ligation between β -cyclodextrin and peptide by photo-irradiation

Tetrahedron Letters 44 (2003) 6437

Valérie Jullian, Fabienne Courtois, Gérard Bolbach and Gérard Chassaing*

Structure et Fonction de Molécules Bioactives, UMR 7613 CNRS, Université Pierre et Marie Curie, Case 182, 4, place Jussieu, 75005 Paris, France



Total synthesis of nafuredin- γ , a γ -lactone related to nafuredin with selective inhibitory activity against NADH-fumarate reductase

Tetrahedron Letters 44 (2003) 6441

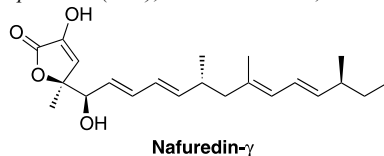
Tohru Nagamitsu,^a Daisuke Takano,^a Kazuro Shiomi,^a Hideaki Ui,^a

Yuichi Yamaguchi,^b Rokuro Masuma,^b Yoshihiro Harigaya,^a Isao Kuwajima^{b,c} and Satoshi Ōmura^{b,*}

^aSchool of Pharmaceutical Science, Kitasato University, 5-9-1 Shirokane, Minato-ku, Tokyo 108-8641, Japan

^bKitasato Institute for Life Sciences, Kitasato University, 5-9-1 Shirokane, Minato-ku, Tokyo 108-8641, Japan

^cCREST, The Japan Science and Technology Corporation (JST), 5-9-1 Shirokane, Minato-ku, Tokyo 108-8641, Japan



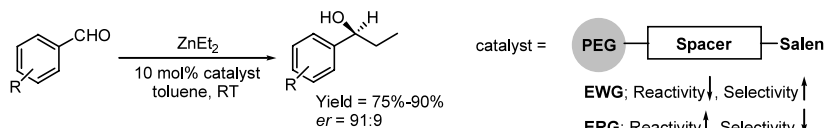
Nafuredin- γ

Effect of spacers on the activity of soluble polymer supported catalysts for the asymmetric addition of diethylzinc to aldehydes

Tetrahedron Letters 44 (2003) 6445

Uche K. Anyanwu and D. Venkataraman*

Department of Chemistry, University of Massachusetts Amherst, 710 N. Pleasant Street, Amherst, MA 01003, USA

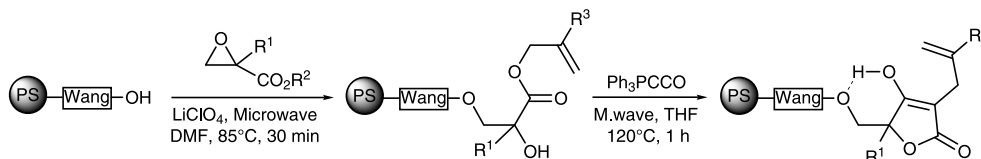


Solid-phase domino syntheses of functionalized tetronates with $\text{Ph}_3\text{P}=\text{C}=\text{C}=\text{O}$

Tetrahedron Letters 44 (2003) 6449

Rainer Schobert* and Carsten Jagusch

Organisch-Chemisches Laboratorium der Universität, 95440 Bayreuth, Germany



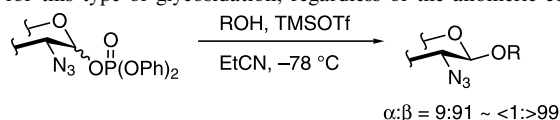
A stereocontrolled construction of 2-azido-2-deoxy-1,2-*trans*- β -glycosidic linkages utilizing 2-azido-2-deoxyglycopyranosyl diphenyl phosphates

Tetrahedron Letters 44 (2003) 6453

Toshifumi Tsuda, Seiichi Nakamura and Shunichi Hashimoto*

Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan

TMSOTf-promoted glycosidation of 2-azido-2-deoxyglycopyranosyl diphenyl phosphates with a variety of glycoside alcohols in propionitrile proceeded smoothly at -78°C to give 1,2-*trans*- β -linked disaccharides in high yields with the highest levels of stereoselectivity reported to date for this type of glycosidation, regardless of the anomeric configuration of the donor.

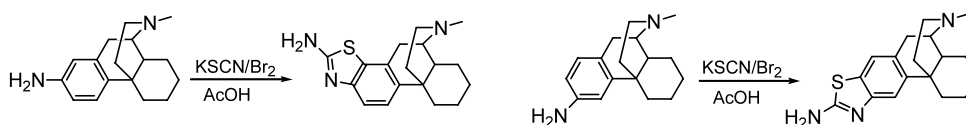


Synthesis of aminothiazole derived morphinans

Tetrahedron Letters 44 (2003) 6459

Ao Zhang, Sander van Vliet and John L. Neumeyer*

Alcohol and Drug Abuse Research Center, McLean Hospital, Harvard Medical School, 115 Mill Street, Belmont, MA 02478, USA

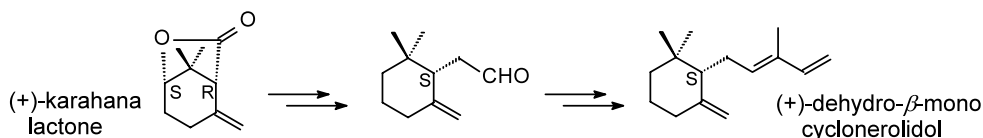


First enantioselective synthesis and determination of the absolute configuration of natural (+)-dehydro- β -monocyclonerolidol

Tetrahedron Letters 44 (2003) 6463

Elie Palombo, Gérard Audran and Honoré Monti*

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



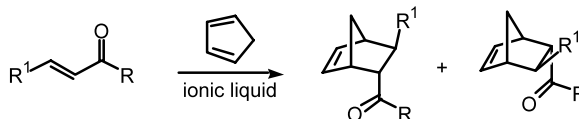
Asymmetric Diels–Alder reactions in ionic liquids

Tetrahedron Letters 44 (2003) 6465

Ildiko Meracz and Taeboem Oh*

Department of Chemistry, California State University, Northridge, 18111 Nordhoff Street, Northridge, CA 91330-8262, USA

Excellent diastereoselective and enantioselective Diels–Alder reactions can be achieved in imidazolium ionic liquids at room temperature.



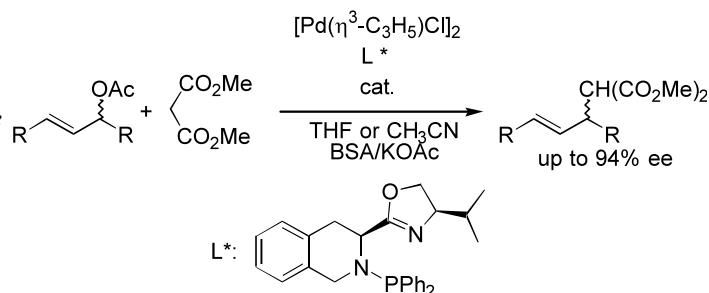
Two-fold amino acid based chiral aminophosphine–oxazolines and use in asymmetric allylic alkylation

Tetrahedron Letters 44 (2003) 6469

Catherine Blanc, Jérôme Hannedouche and Francine Agbossou-Niedercorn*

Laboratoire de Catalyse de Lille, UMR CNRS 8010, ENSCL, BP 108, 59652 Villeneuve d'Ascq Cedex, France

The synthesis of four chiral auxiliaries is described starting from a combination of amino acids and amino alcohols.



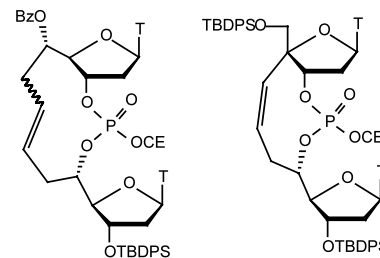
Dinucleotides of 4'-C-vinyl- and 5'-C-allylthymidine as substrates for ring-closing metathesis reactions

Tetrahedron Letters 44 (2003) 6475

Claus Kirchhoff and Poul Nielsen*

Nucleic Acid Center, Department of Chemistry, University of Southern Denmark, 5230 Odense M, Denmark

Dinucleotides containing 4'-C-vinyl groups and/or 5'-C-allyl groups were synthesized and evaluated as substrates for ring-closing metathesis cyclisations. Subsequently, two different conformationally restricted cyclic dinucleotides were obtained.

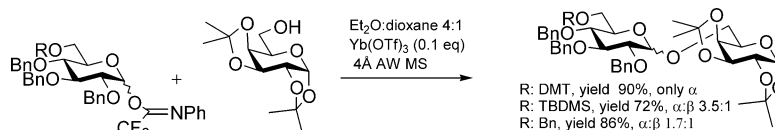


An approach to the highly stereocontrolled synthesis of α -glycosides. Compatible use of the very acid labile dimethoxytrityl protecting group with Yb(OTf)₃-promoted glycosidation

Tetrahedron Letters 44 (2003) 6479

Matteo Adinolfi, Alfonso Iadonisi* and Marialuisa Schiattarella

Dipartimento di Chimica Organica e Biochimica, Università degli Studi di Napoli Federico II, Via Cynthia 4, I-80126 Napoli, Italy



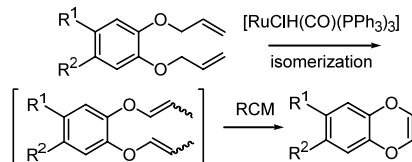
Sequential isomerization and ring-closing metathesis: masked styryl and vinyloxyaryl groups for the synthesis of benzo-fused heterocycles

Tetrahedron Letters 44 (2003) 6483

Willem A. L. van Otterlo,* E. Lindani Ngidi and Charles B. de Koning

Molecular Sciences Institute, School of Chemistry, University of the Witwatersrand, PO Wits, 2050, Johannesburg, South Africa

An isomerization/ring closing metathesis (RCM) strategy was used to synthesize two benzo[1,4]dioxins, a naphtho[2,3-*b*][1,4]dioxin, 2*H*-chromene and a benzo[*b*]furan.

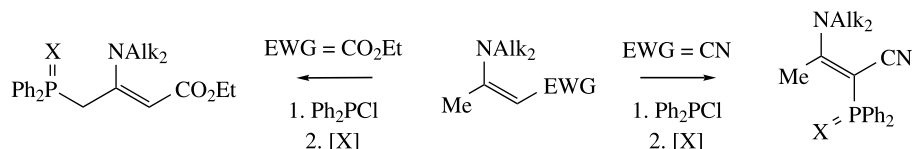


Structural sensitivity in phosphorylation of enamines—derivatives of β -aminocrotonic acid with diphenylchlorophosphine

Tetrahedron Letters 44 (2003) 6487

Alexandr N. Kostyuk,* Yuri V. Svyaschenko, Dmitriy M. Volochnyuk, Nikolai V. Lysenko, Andrei A. Tolmachev and Alexandr M. Pinchuk

Institute of Organic Chemistry, National Academy of Sciences of Ukraine, Murmanskaya 5, Kiev 94, 02094, Ukraine

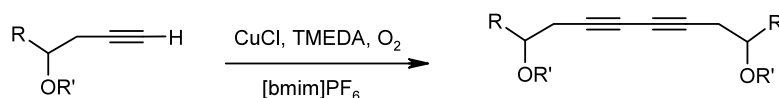


Glaser oxidative coupling in ionic liquids: an improved synthesis of conjugated 1,3-diynes

Tetrahedron Letters 44 (2003) 6493

J. S. Yadav,* B. V. S. Reddy, K. Bhaskar Reddy, K. Uma Gayathri and A. R. Prasad

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

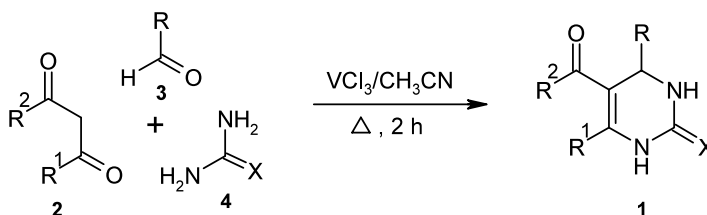


Vanadium(III) chloride catalyzed Biginelli condensation: solution phase library generation of dihydropyrimidin-(2*H*)-ones

Tetrahedron Letters 44 (2003) 6497

Gowravaram Sabitha,* G. S. Kiran Kumar Reddy, K. Bhaskar Reddy and J. S. Yadav

Organic Chemical Sciences, Indian Institute of Chemical Technology, Hyderabad 500 007, India

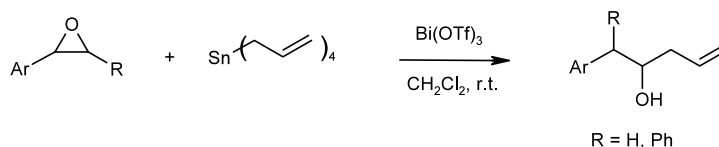


Bi(OTf)₃-catalyzed allylation of epoxides: a facile synthesis of homoallylic alcohols

Tetrahedron Letters 44 (2003) 6501

J. S. Yadav,* B. V. S. Reddy and G. Satheesh

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



Bipyridyl-based diphosphine as an efficient ligand in the rhodium-catalyzed asymmetric conjugate addition of arylboronic acids to α,β -unsaturated ketones

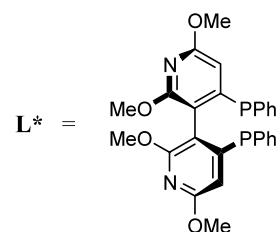
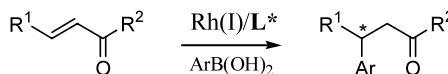
Tetrahedron Letters 44 (2003) 6505

Qian Shi,^{a,c} Lijin Xu,^a Xingshu Li,^{a,*} Xian Jia,^a Ruihu Wang,^{a,c} Terry T.-L. Au-Yeung,^a Albert S. C. Chan,^{a,*} Tamio Hayashi,^{a,b} Rong Cao^c and Maochun Hong^c

^aOpen Laboratory of Chirtechnology of the Institute of Molecular Technology for Drug Discovery and Synthesis and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China

^bDepartment of Chemistry, Graduate School of Science, Kyoto University, Sakyo, Kyoto 606-8502, Japan

^cState Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, The Chinese Academy of Sciences, Fuzhou 325000, China

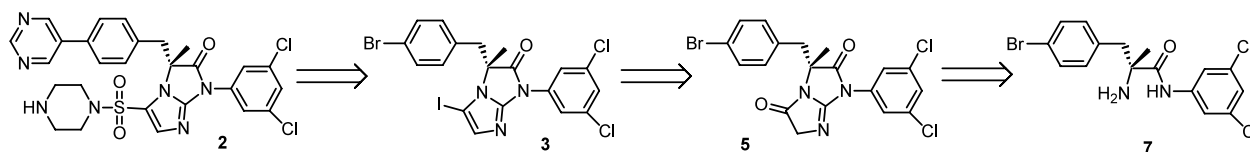


Regiocontrolled synthesis of highly-functionalized fused imidazoles: a novel synthesis of second generation LFA-1 inhibitors

Tetrahedron Letters 44 (2003) 6509

Rogelio P. Frutos* and Michael Johnson

Department of Chemical Development, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Rd./PO Box 368, Ridgefield, CT 06877-0368, USA



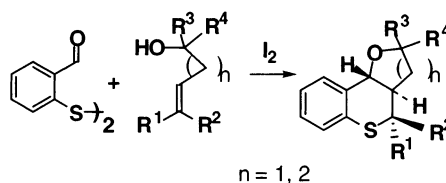
A facile and efficient one-pot synthesis of thiochromans from bis(2-formylphenyl) disulfide and alkenols via iodine-promoted generation and subsequent intramolecular cycloaddition of *ortho*-thiobenzoquinone methides

Tetrahedron Letters 44 (2003) 6513

Takao Saito,^{a,*} Takahiro Horikoshi,^a Takashi Otani,^a Yosuke Matsuda^a and Takayuki Karakasa^b

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

^bChemistry Laboratory, The Nippon Dental University, Fujimi, Chiyoda-ku, Tokyo 102-8159, Japan



Sulfur ylides generated from the reaction of adamantylidene and phenylcarbene with sulfur substrates

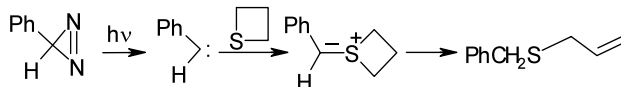
Tetrahedron Letters 44 (2003) 6519

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Reaction of phenylcarbene with trimethylenesulfide proceeds via the formation of a sulfur ylide intermediate, followed by ring opening to give allylbenzylsulfide. The existence of the sulfur ylide has been demonstrated by laser flash photolytic techniques.



Asymmetric oxidation of silyl enol ethers using chiral dioxiranes derived from α -fluoro cyclohexanones

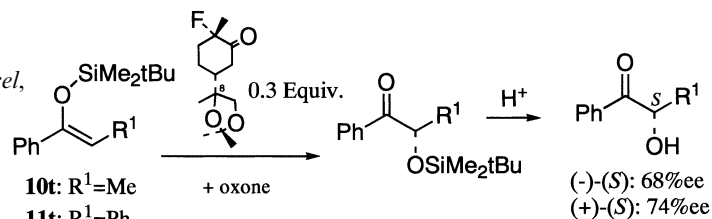
Tetrahedron Letters 44 (2003) 6523

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Architecturally diverse heterocycle formation by *N*-acyliminium ion initiated cyclization

Tetrahedron Letters 44 (2003) 6527

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A general methodology is presented whereby natural product-like scaffolds are generated from β -enaminoesters for lead generation from combinatorial library production.

