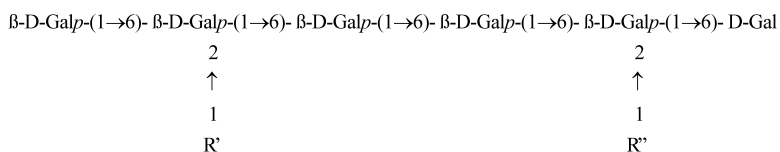


Synthesis of an arabinogalactan-type octa- and two isomeric nonasaccharides. Suitable tuning of protecting groups

Tetrahedron Letters 44 (2003) 631

Magdolna Csávás,^a Anikó Borbás,^a Lóránt Jánosy^b and András Lipták^{a,b,*}^aResearch Group for Carbohydrates of the Hungarian Academy of Sciences, PO Box 55, Debrecen H-4010, Hungary^bDepartment of Biochemistry, University of Debrecen, PO Box 55, Debrecen H-4010, Hungary

Structures of the arabinogalactan-type oligosaccharides synthesized.



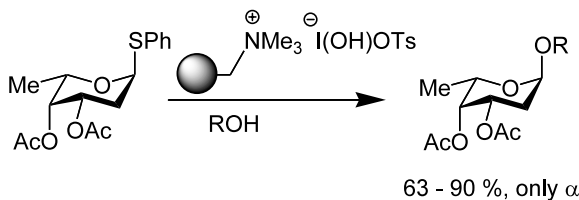
- 1 R'=R''=α-L-Araf
- 2 R'=α-L-Araf R''=α-L-Araf-(1→5)-α-L-Araf
- 3 R'=α-L-Araf-(1→5)-α-L-Araf R''=α-L-Araf

Anomeric activation of thioglycosides and preparation of deoxyglycosides using polymer-bound iodate(I) complexes

Tetrahedron Letters 44 (2003) 637

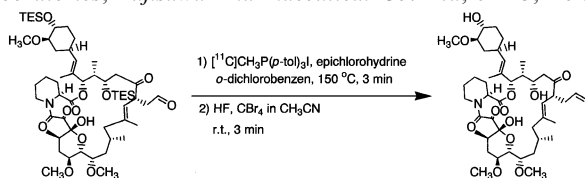
Janis Jaunzems, Georgia Sourkouni-Argirusi, Martin Jesberger and Andreas Kirschning*

Institut für Organische Chemie der Universität Hannover, Schneiderberg 1B, D-30167 Hannover, Germany



Rapid synthesis of ¹¹C-labeled FK506 for positron emission tomography

Tetrahedron Letters 44 (2003) 641

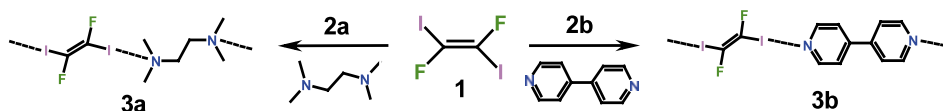
Yoshihiro Murakami,^{a,b,*} Akio Kuroda,^c Kazuhiko Osoda^{a,b} and Shintaro Nishimura^{a,b}^aAdvanced Technology Platform Research Laboratory, Fujisawa Pharmaceutical Co. Ltd, 5-2-3, Tokodai, Tsukuba, Ibaraki 300-2698, Japan^bThe Medical and Pharmacological Research Center Foundation, Wo32, Inoyama-cho, Hakui, Ishikawa 925-0613, Japan^cMedicinal Chemistry Research Laboratories, Fujisawa Pharmaceutical Co. Ltd, 5-2-3, Tokodai, Tsukuba, Ibaraki 300-2698, Japan

Halogen bonding driven self-assembly of (E)-1,2-diiodo-1,2-difluoroethene with nitrogen substituted hydrocarbons

Tetrahedron Letters 44 (2003) 645

Donald D. Burton,^a Francesca Fontana,^b Pierangelo Metrangolo,^{c,*} Tullio Pilati^d and Giuseppe Resnati^{c,*}^aDepartment of Chemistry, University of Iowa, Iowa City, IA 52242, USA^bDepartment of Engineering, University of Bergamo, Viale A. Marconi 5, 24044 Dalmine (BG), Italy^cDepartment of Chemistry, Materials, and Chemical Engineering 'G. Natta', Polytechnic of Milan, Via L. Mancinelli 7, 20131 Milan, Italy^dC.N.R.-Institute of Molecular Science and Technology, University of Milan, Via C. Golgi 19, 20133 Milan, Italy

1 and 2a,b self-assemble via halogen bonding giving rise to infinite chains 3a,b.



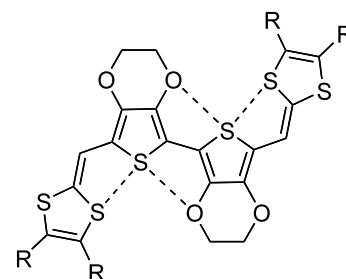
Strong π -electron donors based on a self-rigidified 2,2'-bi(3,4-ethylenedioxy)thiophene–tetrathiafulvalene hybrid π -conjugated system

Tetrahedron Letters 44 (2003) 649

Philippe Leriche,^a Mathieu Turbiez,^a Vincent Monroche,^a Pierre Frère,^{a,*} Philippe Blanchard,^a Peter J. Skabara^b and Jean Roncali^{a,*}

^aGroupe Systèmes Linéaires Conjugués, IMMO CNRS UMR 6501, 2 Boulevard Lavoisier, 49045 Angers, France

^bDepartment of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK

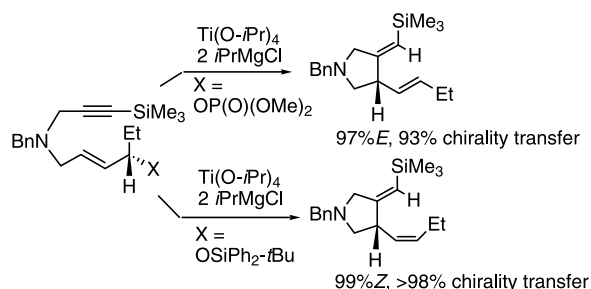


An efficient synthesis of optically active five- and six-membered cyclic compounds with selectable stereo-controls by a Ti(II)-mediated cyclization of chiral secondary 2,7- and 2,8-enyn-1-ol derivatives

Tetrahedron Letters 44 (2003) 653

Yongcheng Song, Yuuki Takayama, Sentaro Okamoto and Fumie Sato*

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



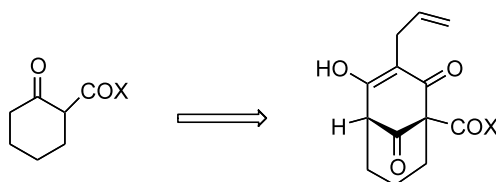
Synthesis of the core bicyclic system of hyperforin and nemorosone

Tetrahedron Letters 44 (2003) 659

George A. Kraus,* Tuan H. Nguyen and Insik Jeon

Department of Chemistry, Iowa State University, Ames, IA 50011, USA

A direct synthesis of analogs of hyperforin and nemorosone containing the key bicyclic unit was accomplished from 2-carboxyethylcyclohexanone and benzoylcyclohexanone. Key steps included a manganic acetate-mediated cyclization and the formation of the beta-bromo enone.



Asymmetric synthesis of (3S) 3-benzoyloxymethylisobenzofuranone and its 3R enantiomer as analogues of α,β -butenolides

Tetrahedron Letters 44 (2003) 663

Christophe Len,^{a,*} Abdelmajid Sélouane,^{a,b} Asa Weiling,^a Fabien Coicou^a and Denis Postel^a

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

^bUniversité IBN Tofail, Kénitra, Morocco

An asymmetric dihydroxylation was used starting from achiral phthalaldehyde to obtain chiral butenolide derivatives.



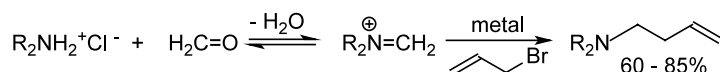
Barbier-type allylation of iminium ions generated in situ in aqueous medium

Tetrahedron Letters 44 (2003) 667

Idália H. S. Estevam^{a,b} and Lothar W. Bieber^{a,*}

^a*Departamento de Química Fundamental, Universidade Federal de Pernambuco, Cidade Universitária, Recife-PE 50670-901, Brazil*

^b*Departamento de Ciências Exatas e da Terra, Universidade do Estado da Bahia, Cabula, Salvador-BA 40000-000, Brazil*



Use of 1,3-dibenzyl-dihydrouracil in the chain extension of 2,3-O-isopropylidene-D-glyceraldehyde

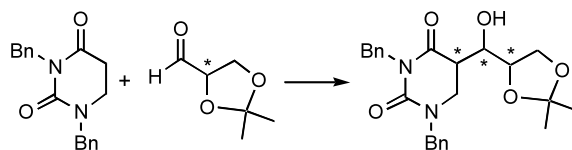
Tetrahedron Letters 44 (2003) 671

Fausta Ulgheri,^a John Bacsa,^b Luigi Nassimbeni^b and Pietro Spanu^{a,*}

^a*Istituto di Chimica Biomolecolare CNR, Sezione di Sassari Trav. La Crucca 3, Balinca, 07040 Li Punti Sassari, Italy*

^b*Department of Chemistry, University of Cape Town, Rondebosch 7701, South Africa*

The aldol-type addition of 1,3-dibenzyl-dihydrouracil to 2,3-O-isopropylidene-D-glyceraldehyde was examined in different solvents and under Lewis acid catalysis. A stereodivergent synthesis of 5-trihydroxypropyl-dihydrouracil derivatives was realized.



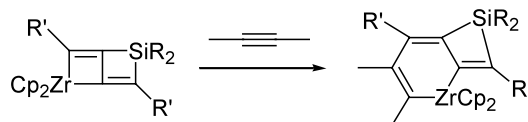
Alkyne and ketone induced novel cleavage of a C–C bond and a C–Si bond in zirconacyclobutene–silacyclobutene fused ring compounds

Tetrahedron Letters 44 (2003) 677

Tao Yu,^a Liang Deng,^a Changjia Zhao,^a Zhiping Li^a and Zhenfeng Xi^{a,b,*}

^a*Key Laboratory of Bioorganic Chemistry and Molecular Engineering of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China*

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



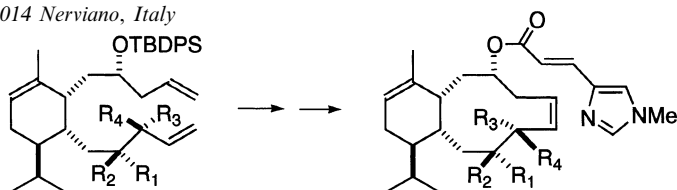
Synthesis of novel simplified eleutheside analogues with potent microtubule-stabilizing activity, using ring-closing metathesis as the key-step

Tetrahedron Letters 44 (2003) 681

Raphael Beumer,^a Pau Bayón,^a Piergiuliano Bugada,^a Sylvie Ducki,^b Nicola Mongelli,^b Federico Riccardi Sirtori,^b Joachim Telser^a and Cesare Gennari^{a,*}

^a*Dipartimento di Chimica Organica e Industriale, Centro di Eccellenza CISI, Università di Milano, Istituto CNR di Scienze e Tecnologie Molecolari, via Venezian 21, I-20133 Milano, Italy*

^b*Pharmacia, viale Pasteur 10, I-20014 Nerviano, Italy*



2,5-Bis-(butyltelluro) thiophene as a convenient precursor for the synthesis of 2,5-bis-(acetylenic) thiophenes

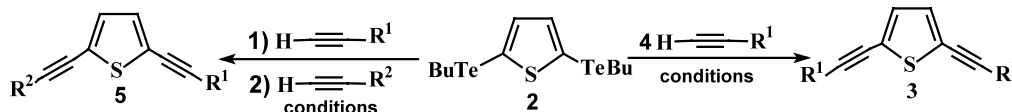
Tetrahedron Letters 44 (2003) 685

Gilson Zeni,^{a,*} Cristina W. Nogueira,^a Dagoberto O. Silva,^a Paulo H. Menezes,^b Antonio L. Braga,^a Hélio A. Stefani^c and João B. T. Rocha^a

^aDepartamento de Química, Laboratório de Bioquímica Toxicológica, UFSM 97105-900, Santa Maria, RS, Brazil

^bDepartamento de Química Fundamental, Universidade Federal de Pernambuco, Recife, PE 50670-901, Brazil

^cFaculdade de Ciências Farmacêuticas, USP, São Paulo, SP, Brazil

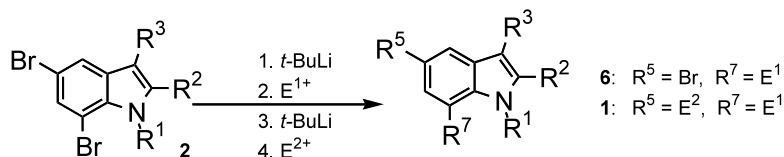


A facile approach to the synthesis of 5,7-disubstituted indoles via a highly selective lithium–bromine exchange of 5,7-dibromoindoles

Tetrahedron Letters 44 (2003) 689

Lianhai Li* and Andrew Martins

Department Of Medicinal Chemistry, Merck Frosst Centre for Therapeutic Research, PO Box 1005, Pointe-Claire-Dorval, Quebec, Canada H9R 4P8



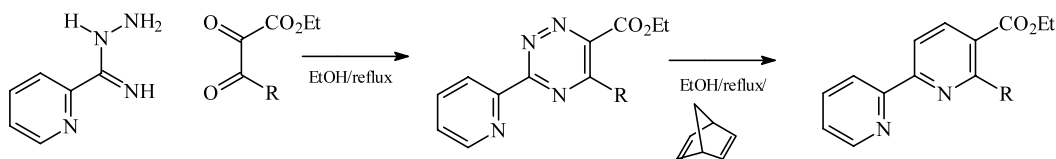
Synthesis of 2,2'-bipyridyl derivatives using aza Diels–Alder methodology

Tetrahedron Letters 44 (2003) 693

Stephen P. Stanforth,^{a,*} Brian Tarbit^b and Michael D. Watson^a

^aSchool of Applied Sciences, University of Northumbria, Newcastle upon Tyne NE1 8ST, UK

^bSeal Sands Chemicals Ltd., Seal Sands Road, Seal Sands, Middlesbrough TS2 1UB, UK



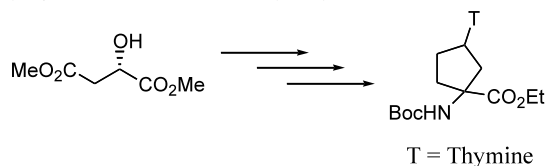
Synthesis of the four diastereoisomers of 3-thymine-1-(butoxycarbonyl)aminocyclopentane-1-carboxylic acid

Tetrahedron Letters 44 (2003) 695

Nicola M. Howarth,^{a,*} Laurence P. G. Wakelin^b and David M. Walker^a

^aChemistry, School of Engineering & Physical Sciences, William H. Perkin Building, Heriot-Watt University, Riccarton, Edinburgh EH14 4AS, UK

^bSchool of Medical Sciences, University of New South Wales, Sydney 2052, Australia



Supramolecular peptide helix from a novel double turn forming peptide containing a β -amino acid

Tetrahedron Letters 44 (2003) 699

Arijit Banerjee,^a Samir Kumar Maji,^a Michael G. B. Drew,^b Debasish Haldar^a and Arindam Banerjee^{a,*}

^aDepartment of Biological Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700 032, India

^bDepartment of Chemistry, The University of Reading, Whiteknights, Reading RG6 6AD, UK



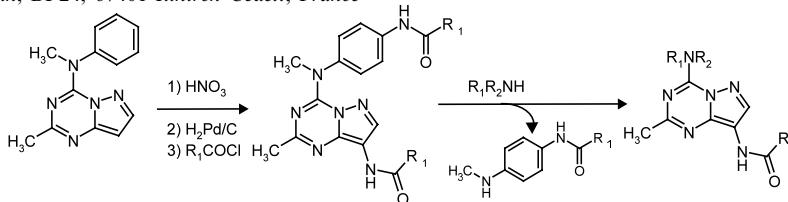
A general approach toward the synthesis of 8-acylamido-pyrazolo[1,5-*a*]-1,3,5-triazines

Tetrahedron Letters 44 (2003) 703

Pierre Raboisson,^{a,*} Dominique Schultz,^a Claire Lugnier,^b Romain Mathieu^a and Jean-Jacques Bourguignon^a

^aLaboratoire de Pharmacochimie de la Communication Cellulaire (CNRS, UMR 7081), Faculté de Pharmacie, 74 route du Rhin, BP24, 67401 Illkirch Cedex, France

^bLaboratoire de Pharmacologie et de Physico-Chimie des Interactions Cellulaires et Moléculaires (CNRS, UMR 7034), Faculté de Pharmacie, 74 route du Rhin, BP24, 67401 Illkirch Cedex, France



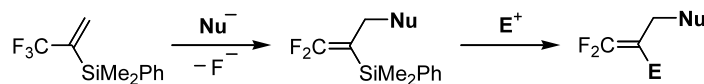
A novel synthesis of functionalized 1,1-difluoro-1-alkenes via isolable 2,2-difluorovinylsilanes

Tetrahedron Letters 44 (2003) 707

Junji Ichikawa,* Yuichiro Ishibashi and Hiroki Fukui

Department of Chemistry, Graduate School of Science, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

Various 1,1-difluoro-1-alkenes are prepared in two simple steps from 1-trifluoromethylvinylsilane.

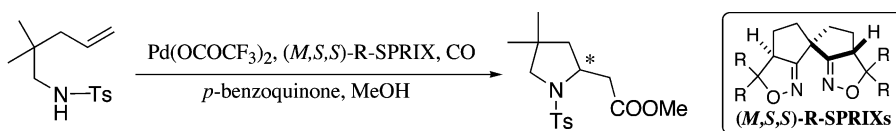


The first enantioselective intramolecular aminocarbonylation of alkenes promoted by Pd(II)-spiro bis(isoxazoline) catalyst

Tetrahedron Letters 44 (2003) 711

Toshio Shinohara, Midori A. Arai, Kazuhiko Wakita, Takayoshi Arai and Hiroaki Sasai*

The Institute of Scientific and Industrial Research (ISIR), Osaka University, Mihogaoka, Ibaraki, Osaka 567-0047, Japan



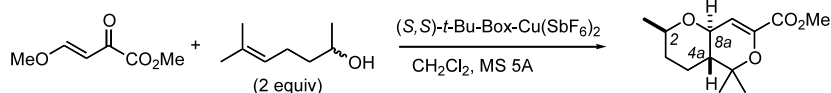
A new strategy in enantioselective intramolecular hetero Diels–Alder reaction: catalytic double asymmetric induction during the tandem transesterification–intramolecular hetero Diels–Alder reaction of methyl (*E*)-4-methoxy-2-oxo-3-butenate with *rac*-6-methyl-5-hepten-2-ol

Hidetaka Koga^a and Eiji Wada^{b,*}

^aDepartment of Molecular and Material Science, Graduate School of Engineering Sciences, Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan

^bInstitute of Advanced Material Study, Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan

Kinetic resolution: up to *R/S* = 95/5; diastereoselectivity of cycloadduct: up to 92% de; enantioselectivity of (2*R*,4*aS*,8*aR*)-cycloadduct: up to 97% ee.

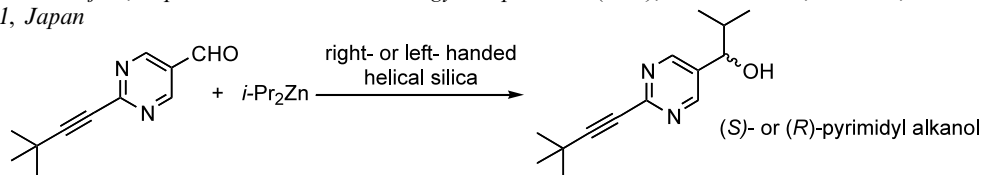


Highly enantioselective synthesis of organic compound using right- and left-handed helical silica

Itaru Sato,^a Kousuke Kadowaki,^a Hiroki Urabe,^a Jong Hwa Jung,^b Yoshiyuki Ono,^b Seiji Shinkai^b and Kenso Soai^{a,*}

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

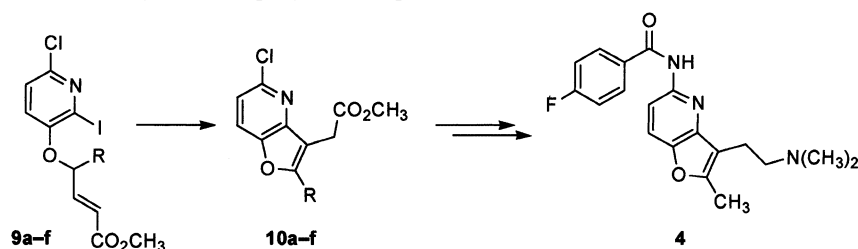
^bChemotransfiguration Project, Japan Science and Technology Corporation (JST), 2432 Aikawa, Kurume, Fukuoka 839-0861, Japan



A general method for the preparation of 2,3,5-trisubstituted-furo[3,2-*b*]pyridines

Brian M. Mathes and Sandra A. Filla^{*}

Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN 46285, USA

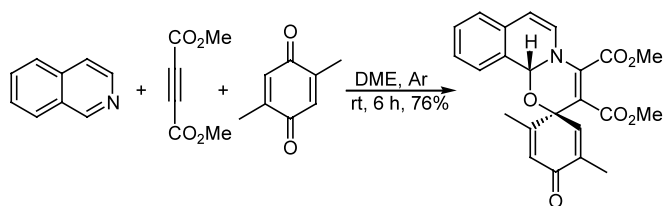


The reaction of isoquinoline and dimethyl acetylenedicarboxylate with 1,2- and 1,4-benzoquinones: a novel synthesis of spiro[1,3]oxazino[2,3-*a*]isoquinolines

Vijay Nair,^{a,*} A. R. Sreekanth,^a A. T. Biju^a and Nigam P. Rath^b

^aOrganic Chemistry Division, Regional Research Laboratory (CSIR), Trivandrum 695 019, India

^bDepartment of Chemistry, University of Missouri, St. Louis, MI 63121-4499, USA



A novel three component reaction of isoquinoline and dimethyl acetylenedicarboxylate with 1,2- and 1,4-benzoquinones, afford spiro[1,3]oxazino[2,3-*a*]isoquinoline derivatives in high yields.

Deprotection of benzyl and *p*-methoxybenzyl ethers by chlorosulfonyl isocyanate–sodium hydroxide

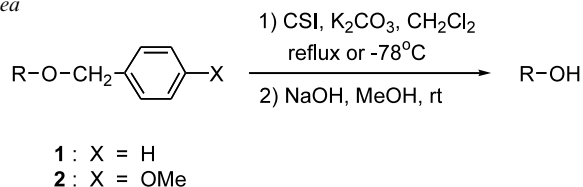
Tetrahedron Letters 44 (2003) 733

Ji Duck Kim,^a Gyoonee Han,^b Ok Pyo Zee^a and Young Hoon Jung^{a,*}

^aCollege of Pharmacy, Sungkyunkwan University, Suwon 440-746, South Korea

^bKorea Research Institute of Bioscience and Biotechnology, Taejeon 305-333, South Korea

CSI–NaOH procedure provided a new and mild methodology for the deprotection of benzyl and *p*-methoxybenzyl ethers without affecting the other functional groups under similar reaction conditions.

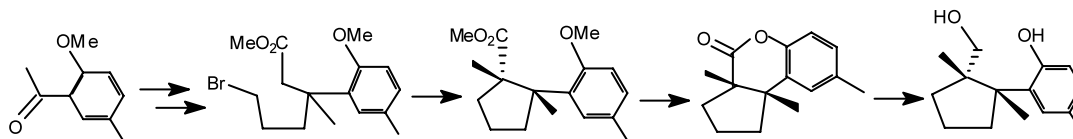


Stereoselective total syntheses of (±)-1,14-herbertenediol and (±)-tochuinyl acetate and facile total syntheses of (±)-α-herbertenol, (±)-β-herbertenol and (±)-1,4-cuparenediol

Tetrahedron Letters 44 (2003) 737

Tapas Paul, Ashutosh Pal, Pranab Dutta Gupta and Debabrata Mukherjee*

Department of Organic Chemistry, Indian Association for the Cultivation of Science, Kolkata 700 032, India



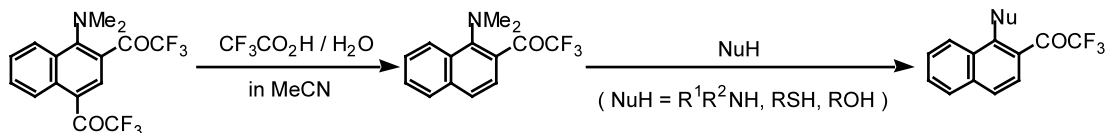
Synthesis and aromatic nucleophilic *N*–*N*, *N*–*S* and *N*–*O* exchange reactions of *N,N*-dimethyl-2-trifluoroacetyl-1-naphthylamine

Tetrahedron Letters 44 (2003) 741

Etsuji Okada,^{a,*} Yoshihiro Otsuki,^a Megumi Shinohara,^a Maurice Médebielle,^b Yuhei Shimizu^a and Hiroshi Takeuchi^a

^aDepartment of Chemical Science and Engineering, Faculty of Engineering, Kobe University, Rokkodai-cho, Nada-ku, Kobe 657-8501, Japan

^bUniversite Claude Bernard-Lyon 1, Laboratoire de Synthèse, Electrosynthèse et Réactivité des Composés Organiques Fluorés (SERCOF), UMR CNRS 5622, Batiment E. Chevreul, 43 Bd du 11 Novembre 1918, F-69622 Villeurbanne Cedex, France

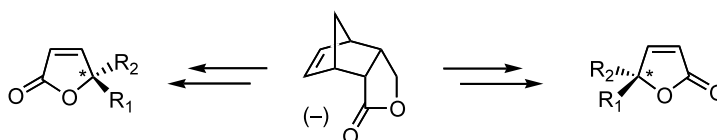


Enantiodivergent syntheses of γ-substituted butenolides with tertiary and quaternary asymmetric centers

Tetrahedron Letters 44 (2003) 745

Katsufumi Suzuki and Kohei Inomata*

Tohoku Pharmaceutical University, 4-4-1 Komatsushima, Aoba-ku, Sendai 981-8558, Japan

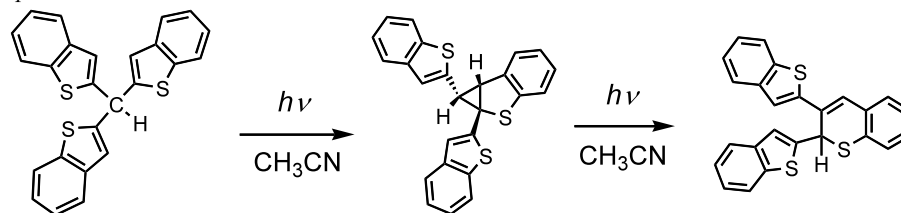


The di- π -methane rearrangement induced in tris(2-benzo[b]-thienyl)methane

Tetrahedron Letters 44 (2003) 751

Naoki Tanifuji, Honghua Huang, Yoko Shinagawa and Keiji Kobayashi*

Department of Chemistry, Graduate School of Arts and Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo 153-8902, Japan

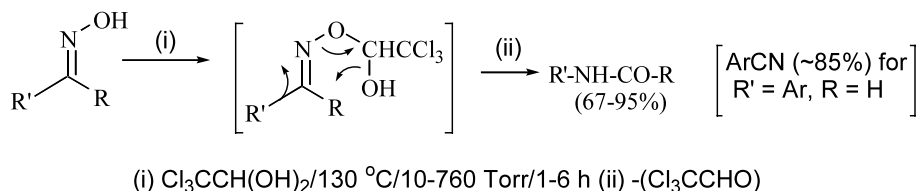


Beckmann reaction of oximes catalysed by chloral: mild and neutral procedures

Tetrahedron Letters 44 (2003) 755

Sosale Chandrasekhar* and Kovuru Gopalaiah

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

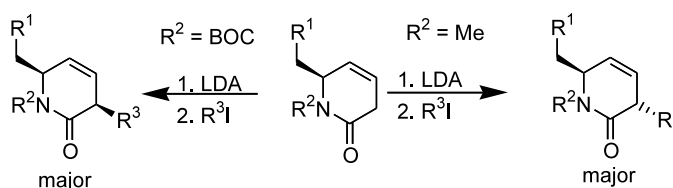


Diastereoselective synthesis of 3,6-disubstituted 3,6-dihydropyridin-2-ones

Tetrahedron Letters 44 (2003) 757

Thomas F. Anderson, Julian G. Knight* and Kirill Tchabanenko

School of Natural Sciences, Bedson Building, Newcastle University, Newcastle upon Tyne NE1 7RU, UK



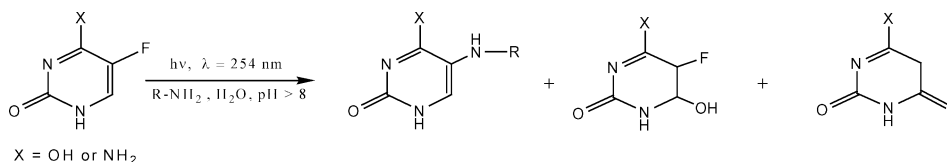
Photochemical reactions of 5-fluoropyrimidine bases with selected alkylamines

Tetrahedron Letters 44 (2003) 761

Anna Kancierzewska, Mateusz Raczkowski, Krzysztof Ciszewski and Lech Celewicz*

Faculty of Chemistry, A. Mickiewicz University, Grunwaldzka 6, 60-780 Poznan, Poland

Photochemical reactions of 5-fluorouracil and 5-fluorocytosine with primary alkylamines are described.

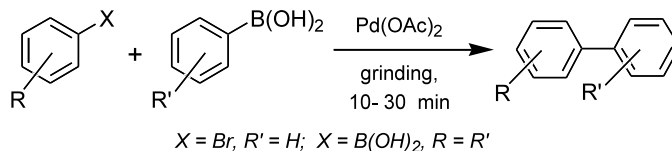


Ligand-free palladium catalysis of aryl coupling reactions facilitated by grinding

Liane M. Klingensmith and Nicholas E. Leadbeater*

Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK

Palladium-catalysed Suzuki coupling reactions and homo-couplings of boronic acids have been facilitated by grinding.

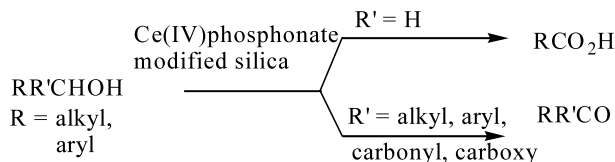


Oxidation of alcohols using cerium(IV) alkyl phosphonate modified silica

Nazli Al-Haq, Alice C. Sullivan* and John R. H. Wilson

Chemistry Department, Queen Mary, University of London, Mile End Road, London E14NS, UK

The oxidation of a range of alcohols to ketones or carboxylic acids proceeds in good yield using catalytic quantities of cerium(IV) phosphonate modified silica and sodium bromate as the re-oxidant.

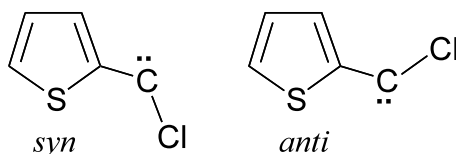


2-Thienylchlorocarbene: reactivity toward alkenes

Robert A. Moss,* Xiaolin Fu, Yan Ma and Ronald R. Sauers*

Department of Chemistry and Chemical Biology, Rutgers, The State University of New Jersey, New Brunswick, NJ 08903, USA

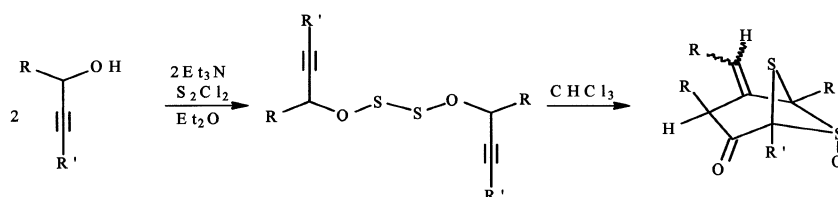
Absolute rate constants for the additions of *syn*- and *anti*-2-thienylchlorocarbenes to various alkenes were measured and analyzed.



Tandem sigmatropic rearrangements and cyclizations of propargylic dialkoxy disulfides

Samuel Braverman,* Tatiana Pechenick and Hugo E. Gottlieb

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

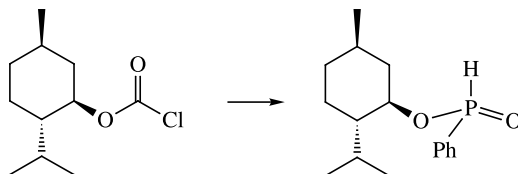


Hewitt reaction revisited

Tetrahedron Letters 44 (2003) 781

Kamyar Afarinkia* and Hiu-wan Yu

Department of Chemistry, King's College, Strand, London WC2R 2LS, UK



[2+2+2]-Co-cyclootrimerization 6-alkynylpurines with diynes: a method for preparation of 6-arylpurines

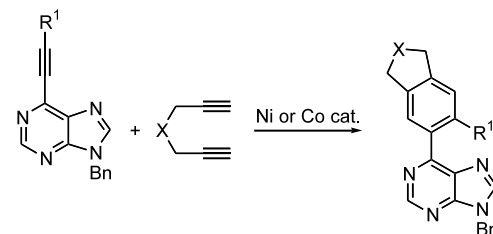
Tetrahedron Letters 44 (2003) 785

Pavel Turek,^a Martin Kotora,^{a,*} Michal Hocek^{b,*} and Ivana Čisářová^c

^a*Department of Organic and Nuclear Chemistry, Faculty of Science, Charles University, Albertov 230, 128 43 Prague, Czech Republic*

^b*Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Flemingovo nám. 2, 166 10 Prague 6, Czech Republic*

^c*Department of Inorganic Chemistry, Faculty of Science, Charles University, Albertov 230, 128 43 Prague, Czech Republic*

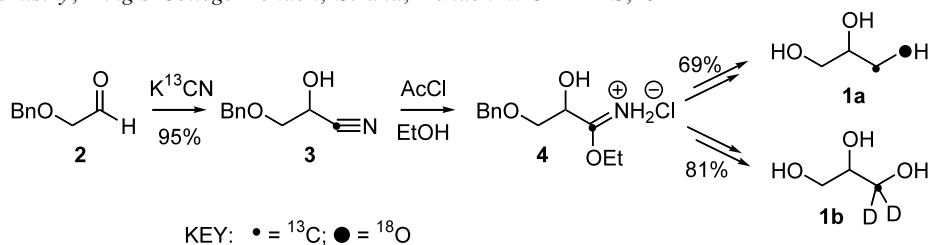


A highly efficient synthesis of [1-¹³C, ¹⁸O]- and [1-¹³C, ²H₂]-glycerol for the elucidation of biosynthetic pathways

Tetrahedron Letters 44 (2003) 789

Alexandros P. Siskos and Alison M. Hill*

Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK

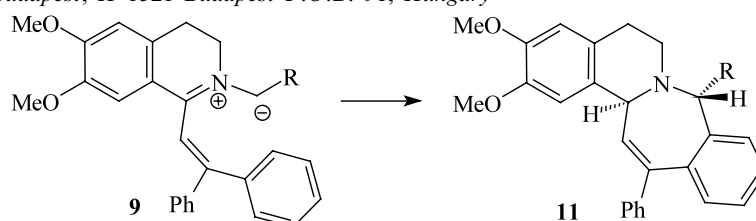


1,7-Electrocyclisations of stabilised azomethine ylides

Tetrahedron Letters 44 (2003) 793

Miklós Nyerges,* Andrea Virányi, Áron Pintér and László Tőke

Research Group of the Hungarian Academy of Sciences, Department of Organic Chemical Technology, Technical University of Budapest, H-1521 Budapest P.O.B. 91, Hungary



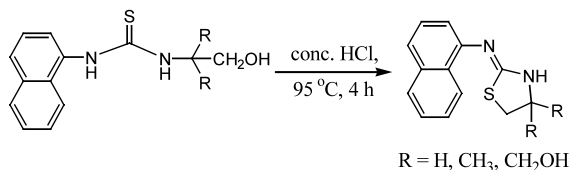
Promoting effects of the hydroxymethyl group on the fluorescent signaling recognition of anions by thioureas

Tetrahedron Letters 44 (2003) 795

Xuhong Qian^{b,*} and Fengyu Liu^a

^aShanghai Key Lab. of Chemical Biology, Institute of Pesticides and Pharmarceuticals, East China University of Science and Technology, Shanghai 200237, China

^bState Key Lab. of Fine Chemicals, Dalian University of Technology, Dalian 116012, China



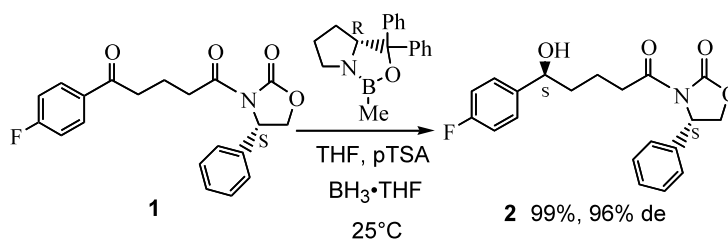
Process for preparing Ezetimibe intermediate by an acid enhanced chemo- and enantioselective CBS catalyzed ketone reduction

Tetrahedron Letters 44 (2003) 801

Xiaoyong Fu,^{*} Timothy L. McAllister, T. K. Thiruvengadam, Chou-Hong Tann and Dan Su

Synthetic Chemistry Department, Schering-Plough Research Institute, 1011 Morris Ave., Union, NJ 07083, USA

The chemo- and enantioselectivity of the (*R*)-MeCBS catalyzed reduction of (**1**) to (**2**) was dramatically enhanced by using an acid as a scavenger of the stabilizer (sodium borohydride) present in the commercially supplied, pure BTHF.



Modular chemistry. Double- and multi-1,3-alternate-calixcrowns

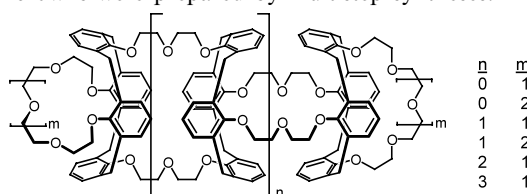
Tetrahedron Letters 44 (2003) 805

Sung Kuk Kim,^a Wonbo Sim,^a Jacques Vicens^{b,*} and Jong Seung Kim^{a,*}

^aDepartment of Chemistry, Konyang University, Nonsan 320-711, South Korea

^bECPM, Becquerel, F-67087 Strasbourg, Cédex 2, France

Double- and multi-1,3-alternate-calixcrowns were prepared by multistep syntheses.

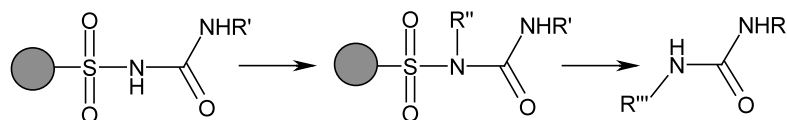


Solid-phase synthesis of unsymmetrical ureas through the use of Kenner safety-catch linker

Tetrahedron Letters 44 (2003) 811

Daniela Fattori,^{*} Piero D'Andrea and Marina Porcelloni

Chemistry Department, Menarini Ricerche, S.p.A., Via Tito Speri 10, 00040 Pomezia, (Rome), Italy

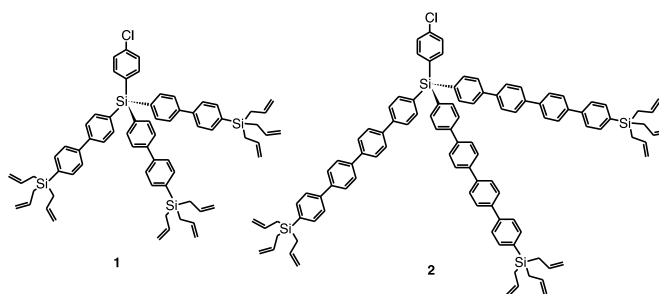


Synthesis of tripod-shaped oligo(phenylene)s with multiple ethenyl groups at the bases for chemisorption on hydrogen-terminated silicon surfaces

Tetrahedron Letters 44 (2003) 815

Xiaobin Deng and Chengzhi Cai*

Department of Chemistry, University of Houston,
Houston, TX 77204-5003, USA

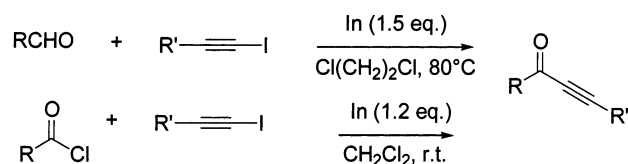


Indium-mediated formation of propargyl ketones from aldehydes or acyl chlorides

Tetrahedron Letters 44 (2003) 819

Jacques Augé,* Nadège Lubin-Germain and Latifa Seghrouchni

UMR 8123 CNRS-UCP-ESCOM, 5 mail Gay-Lussac, Neuville sur Oise, 95031 Cergy-Pontoise, France



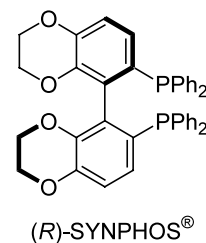
SYNPHOS®, a new chiral diposphine ligand: synthesis, molecular modeling and application in asymmetric hydrogenation

Tetrahedron Letters 44 (2003) 823

Sébastien Duprat de Paule,^a Séverine Jeulin,^a Virginie Ratovelomanana-Vidal,^a
Jean-Pierre Genêt,^{a,*} Nicolas Champion^b and Philippe Dellis^b

^aLaboratoire de Synthèse Sélective Organique et Produits Naturels, UMR 7573, Paris, France

^bSYNKEM S.A.S., Chenôve, France



A fluorogenic assay for transketolase from *Saccharomyces cerevisiae*

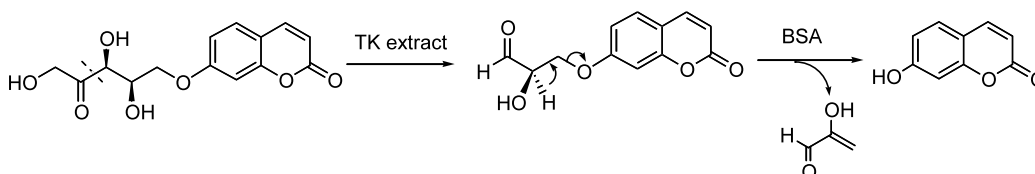
Tetrahedron Letters 44 (2003) 827

Aurélien Sevestre,^a Virgil Hélaine,^a Ghislain Guyot,^b Christine Martin^c
and Laurence Hecquet^{a,*}

^aUniversité Blaise Pascal, Laboratoire de Synthèse et Etude de Systèmes à Intérêt Biologique, UMR 6504, 63177 Aubière Cedex, France

^bUniversité Blaise Pascal, Laboratoire de Photochimie Moléculaire et Macromoléculaire, UMR 6505, 63177 Aubière Cedex, France

^cLaboratoire de Microbiologie, INRA, 63200 Theix, France



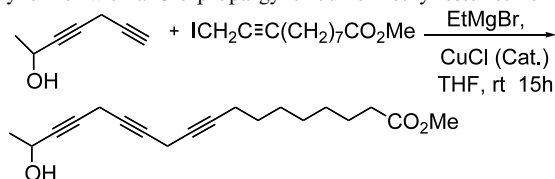
Synthesis of hydroxy-substituted unsaturated fatty acids and the amino-acid insect-derivative volicitin

Tetrahedron Letters 44 (2003) 831

Han-Xun Wei, Christopher L. Truitt and Paul W. Paré*

Department of Chemistry and Biochemistry, Texas Tech University, Lubbock, TX 79409, USA

Synthesis of *N*-(17*S*-hydroxylinolenyl)-L-glutamine, a chemical elicitor referred to as volicitin, is presented based on a cuprous chloride-catalyzed coupling of (*S*)-3,6-heptadiyne-2-ol with a C-8 propargylic iodine methyl ester to form the 17-hydroxylinolenate skeleton and a series of chemical analogues.

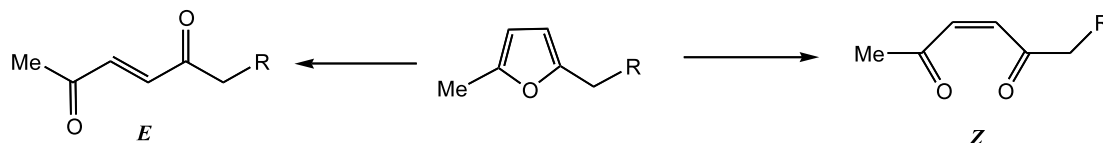


Mo(CO)₆-Catalyzed oxidation of furan derivatives to *E*- and *Z*-enediones by cumyl hydroperoxide

Tetrahedron Letters 44 (2003) 835

Antonio Massa, Maria Rosaria Acocella, Margherita De Rosa, Annunziata Soriente, Rosaria Villano and Arrigo Scettri*

Dipartimento di Chimica, Università di Salerno, 84081 Baronissi (Salerno), Italy



Synthesis of 'inside-outside' medium-sized rings via ring-closing metathesis

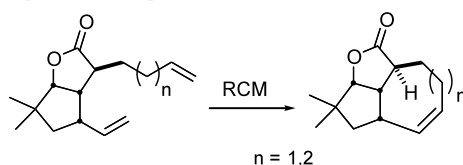
Tetrahedron Letters 44 (2003) 839

Marie E. Krafft,^{a,*} Y. Y. Cheung,^a Sean A. Kerrigan^a and Khalil A. Abboud^b

^a*Department of Chemistry and Biochemistry, Florida State University, Tallahassee, FL 32306-4390, USA*

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

Dienes tethered to an oxabicyclo[3.3.0]octane template undergo RCM to yield seven- and eight-membered rings in high yield.



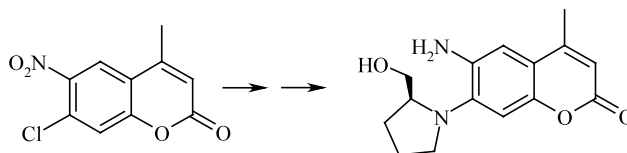
7-Chloro-4-methyl-6-nitro-2*H*-chromen-2-one: a novel type of reagent for fluorescence analysis

Tetrahedron Letters 44 (2003) 845

Christian R. Noe,^{a,*} Spyridon Kornilios^b and Bodo Lachmann^a

^a*Institute of Pharmaceutical Chemistry, University of Vienna, Althanstraße 14, A-1090 Vienna, Austria*

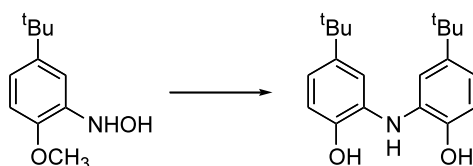
^b*Institute of Organic Chemistry, Technical University of Vienna, Getreidemarkt 9, A-1060 Vienna, Austria*



Condensations of *N*-arylhydroxylamines for the preparation of 5,5'-di-*tert*-butyl-2,2'-dihydroxydiphenylamine

John D. Spence,* Ashley E. Raymond and Dianne E. Norton

Department of Chemistry, Trinity University, 715 Stadium Dr., San Antonio, TX 78212, USA

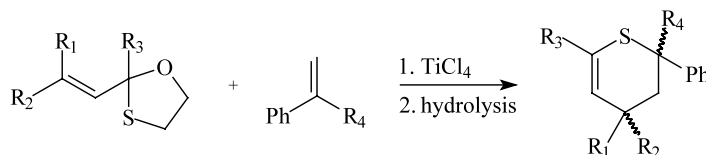


α,β -Unsaturated 1,3-oxathiolanes as masked heterodienes in the thio Diels–Alder reaction with styrene derivatives

Sébastien Kerverdo,^a Louisette Lizzani-Cuvelier^a and Elisabet Duñach^{b,*}

^aLaboratoire Arômes, Synthèses et Interactions, Université de Nice-Sophia Antipolis, 06108 Nice Cedex 2, France

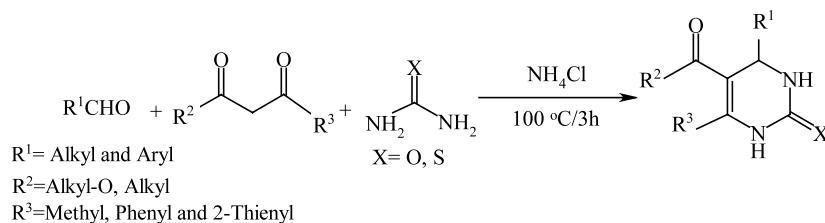
^bLaboratoire de Chimie Bio-Organique, UMR CNRS 6001, Université de Nice-Sophia Antipolis, 06108 Nice Cedex 2, France



Ammonium chloride-catalyzed one-pot synthesis of 3,4-dihydropyrimidin-2(1*H*)-ones under solvent-free conditions

Ahmad Shaabani,* Ayoob Bazgir and Fatemeh Teimouri

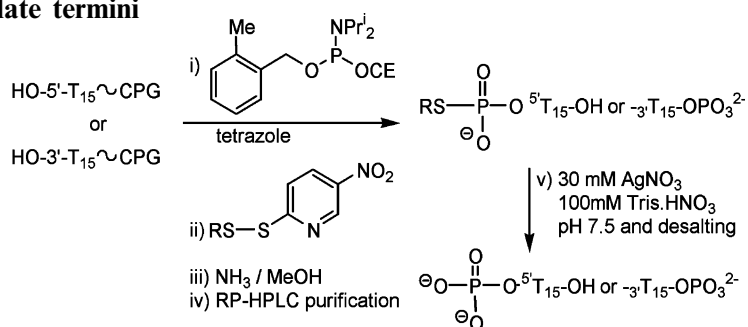
Department of Chemistry, Shahid Beheshti University, PO Box 19396-4716, Tehran, Iran



Novel methodology for the preparation and purification of oligonucleotides incorporating phosphorothiolate termini

Simone Battaggia and Joseph S. Vyle*

School of Chemistry, The Queen's University of Belfast, David Keir Building, Stranmillis Road, Belfast BT9 5AG, UK



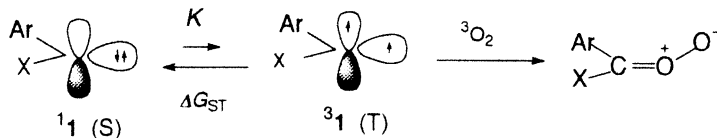
Spin selectivity in the oxygenation of singlet phenylhalocarbenes with oxygen

Tetrahedron Letters 44 (2003) 865

Taiki Makihara, Takayuki Nojima, Katsuya Ishiguro and Yasuhiko Sawaki*

Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Chikusa-ku, Nagoya 464-8603, Japan

Phenylhalocarbenes are shown to react with oxygen via the triplet state equilibrated with ground-state singlet, the singlet–triplet energy gaps being estimated.



Oxidation of amines catalyzed by cyclohexanone monooxygenase

Tetrahedron Letters 44 (2003) 869

Stefano Colonna,^{a,*} Vincenza Pironti,^a Piero Pasta^b and
Francesca Zambianchi^b

^a*Istituto di Chimica Organica, Facoltà di Farmacia, via Venezian 21, 20133 Milano, Italy*

^b*Istituto di Chimica del Riconoscimento Molecolare, CNR, via Mario Bianco 9, 20131 Milano, Italy*

Cyclohexanone monooxygenase catalyzed the oxidation of tertiary, secondary and hydroxylamines to *N*-oxides, hydroxylamines and nitrones respectively.

