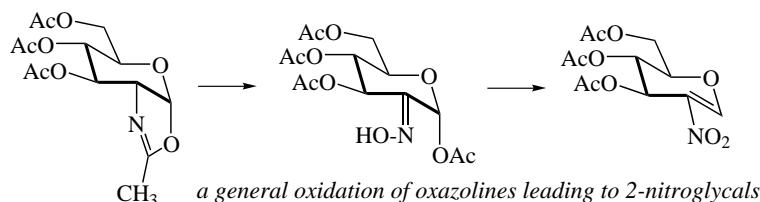
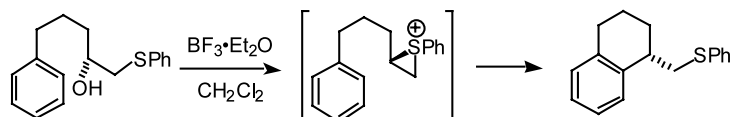


Oxidation of bicyclic oxazolines: applications to glycomimetics and novel saccharide derivatives*Tetrahedron Letters 43 (2002) 347*

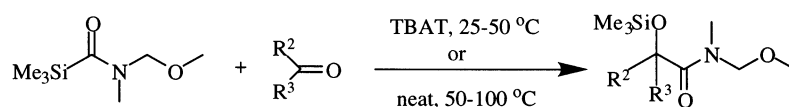
Matthew A. Clark, Qunzhao Wang and Bruce Ganem*

Department of Chemistry and Chemical Biology, Baker Laboratory, Cornell University, Ithaca, NY 14853-1301, USA**Highly stereoselective Friedel–Crafts alkylations of unactivated benzenes by episulfonium ion cyclizations***Tetrahedron Letters 43 (2002) 351*

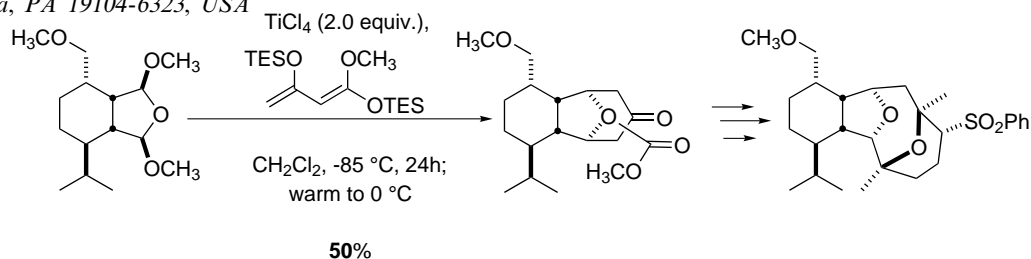
Bruce P. Branchaud* and Heather S. Blanchette

Department of Chemistry, University of Oregon, Eugene, OR 97403-1253, USA **α -Siloxyamides from a carbamoylsilane and carbonyl compounds***Tetrahedron Letters 43 (2002) 355*

Robert F. Cunico

Department of Chemistry and Biochemistry, Northern Illinois University, DeKalb, IL 60115, USA**Synthesis of the core ring system of the sclerophytin diterpenes utilizing a Lewis acid-promoted [4+3] annulation strategy***Tetrahedron Letters 43 (2002) 359*

Gary A. Molander* and Scott C. Jeffrey

Roy and Diana Vagelos Laboratories, Department of Chemistry, University of Pennsylvania, 231 South 34th Street, Philadelphia, PA 19104-6323, USA

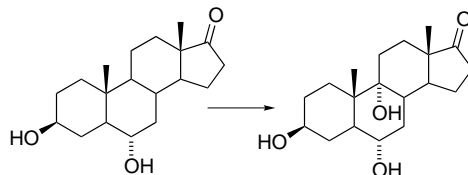
Catalytic hydroxylation of steroids by cytochrome P-450 mimics. Hydroxylation at C-9 with novel catalysts and steroid substrates

Tetrahedron Letters 43 (2002) 363

Ronald Breslow,* Jiaming Yan and Sandro Belvedere

Department of Chemistry, Columbia University, New York, NY 10027, USA

A manganese-porphyrin carrying cyclodextrins hydroxylates the C-9 position of a steroid doubly bound at rings A and B with 90 turnovers in water.

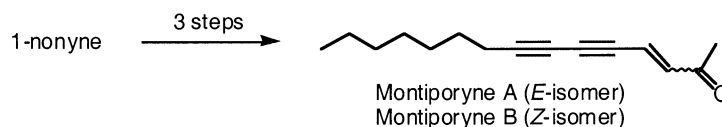


Synthesis of montiporynes A and B

Tetrahedron Letters 43 (2002) 367

Traci J. Speed and Dasan M. Thamattoor*

Department of Chemistry, Colby College, Waterville, ME 04901, USA



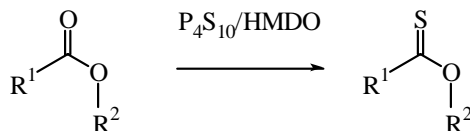
Thionation of esters and lactones with the reagent combination of phosphorus pentasulfide and hexamethyldisiloxane

Tetrahedron Letters 43 (2002) 371

Thomas J. Curphey

Department of Pathology, Dartmouth Medical School, Hanover, NH 03755, USA

The combination of P₄S₁₀ and hexamethyldisiloxane converts esters and lactones to thionoesters and thionolactones in yields comparable to or superior to those obtained with Lawesson's reagent. The method has the advantage that reagent-derived byproducts may be removed by a simple hydrolytic workup or by filtration through silica gel, rather than by chromatography, as required for Lawesson's reagent.

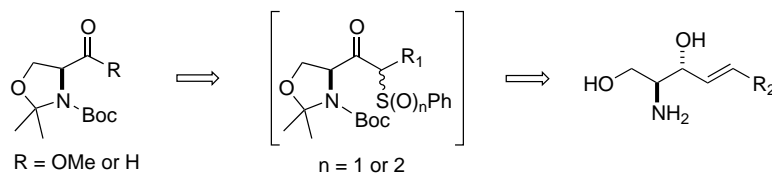


A concise route to D-erythro-sphingosine from N-Boc-L-serine derivatives via sulfoxide or sulfone intermediates

Tetrahedron Letters 43 (2002) 375

Jiong Chun, Guoqing Li, Hoe-Sup Byun and Robert Bittman*

Department of Chemistry and Biochemistry, Queens College of The City University of New York, Flushing, NY 11367-1597, USA

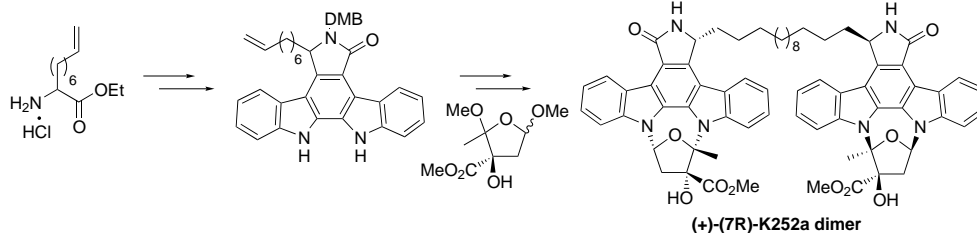


Syntheses of (-)-(7S)- and (+)-(7R)-K252a dimers

Tetrahedron Letters 43 (2002) 379

Kazuhiko Tamaki, Elliott W. D. Huntsman, Dejah T. Petsch and John L. Wood*

Sterling Chemistry Laboratories, Department of Chemistry, Yale University, New Haven, CT 06520-8107, USA



New synthesis of 1,4-dideoxy-1,4-imino-D-galactitol from D-glucose propane-1,3-diyl dithioacetal

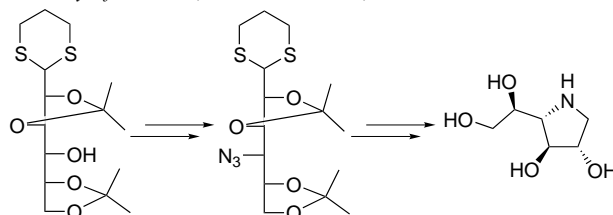
Tetrahedron Letters 43 (2002) 383

Duy-Phong Pham-Huu,^a Yonas Gizaw,^{a,b} James N. BeMiller^{a,*} and Ladislav Petruš^c

^a*The Whistler Center for Carbohydrate Research, Purdue University, West Lafayette, IN 47907-1160, USA*

^b*Miami Valley Laboratories, Procter and Gamble Company, Cincinnati, OH 45253, USA*

^c*Institute of Chemistry, Slovak Academy of Sciences, 84238 Bratislava, Slovakia*



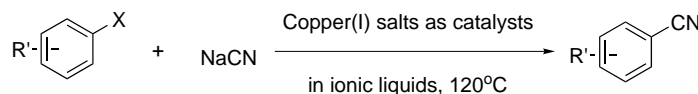
Catalytic Rosenmund-von Braun reaction in halide-based ionic liquids

Tetrahedron Letters 43 (2002) 387

Jeff Xin Wu, Brandon Beck and Rex X. Ren*

Max Tishler Laboratory of Organic Chemistry, Department of Chemistry, Wesleyan University, Middletown, CT 06459, USA

Ionic liquids based on 1-*n*-butyl-3-methylimidazolium halide salts (bmiX) have been used as an effective reusable reaction media in the Rosenmund-von Braun reaction of aryl halides and NaCN using copper(I) salts as catalysts. Product isolation is achieved by simple extraction using organic solvents. The copper catalysts immobilized in ionic liquid media can be reused continuously.

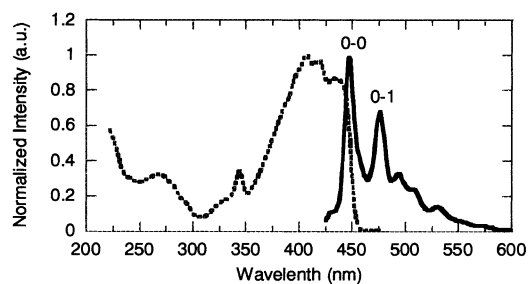


A study of vibronic structures in the optical spectra of oligo(thienylene ethynylene)s

Tetrahedron Letters 43 (2002) 391

Juan Li, Liang Liao and Yi Pang*

Department of Chemistry and Center for High Performance Polymers and Composites, Clark Atlanta University, Atlanta, GA 30314, USA

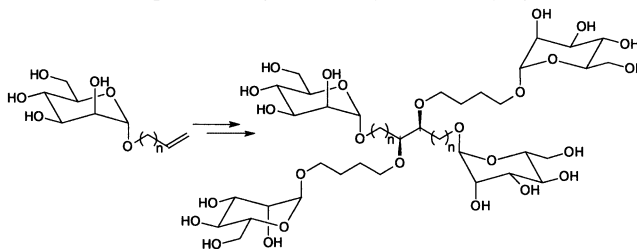


Stereoselective synthesis of glycoclusters using an olefin metathesis and Sharpless dihydroxylation sequence

Tetrahedron Letters 43 (2002) 395

Romyr Dominique and René Roy*

Centre for Research in Biopharmaceuticals, Department of Chemistry, University of Ottawa, 10 Marie Curie, Ottawa, ON, Canada K1N 6N5



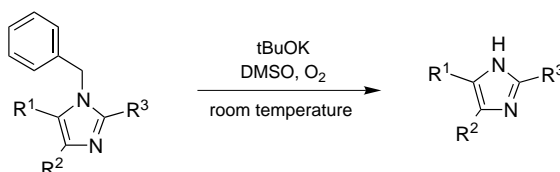
An efficient method for the *N*-debenzylation of aromatic heterocycles

Tetrahedron Letters 43 (2002) 399

Aubrey A. Haddach,^a Audrey Kelleman^b and Melissa V. Deaton-Rewolinski^{a,*}

^a*Agouron Pharmaceuticals, Inc., A Pfizer Company, 3565 General Atomics Court, San Diego, CA 92121, USA*

^b*Department of Chemistry, University of California, San Diego, CA, USA*

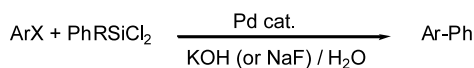


Palladium-catalyzed coupling of aryl halides with arylhalosilanes in air and water

Tetrahedron Letters 43 (2002) 403

Taisheng Huang and Chao-Jun Li*

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

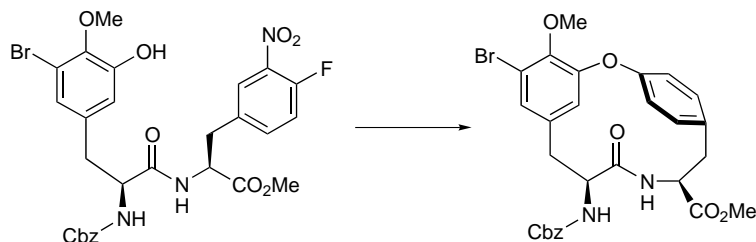


Preparation of the 14-membered L,L-cycloisodityrosine subunit of RP 66453

Tetrahedron Letters 43 (2002) 407

Paul J. Krenitsky and Dale L. Boger*

Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA



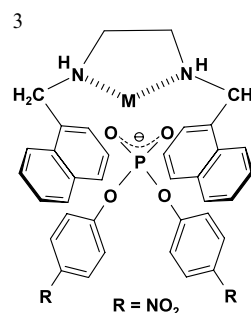
Metal coordination and stacking effects in supramolecular catalysis. Effects of structural variations of copper complexes for the hydrolysis of phosphate esters

Shigeru Negi and Hans-Jörg Schneider*

FR Organische Chemie der Universität des Saarlandes, D 66041 Saarbrücken, Germany

Stacking effects with rate constant enhancements by more than two orders of magnitudes and total accelerations of about 10^7 are found by introduction of aromatic substituents in ethylenediamine of Cu(II) complexes.

Tetrahedron Letters 43 (2002) 411



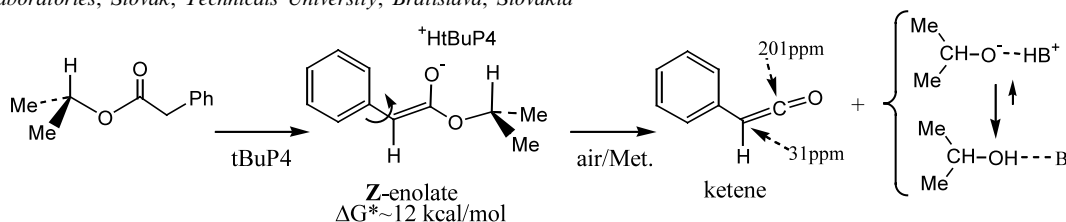
iso-Propyl phenylacetate: formation of a single enolate with tBuP4 as base

A. Solladié-Cavallo,^{a,*} T. Liptaj,^{a,b,*} M. Schmitt^a and A. Solgadi^a

^aLaboratoire de Stéréochimie Organométallique associé au CNRS, ECPM, Université Louis Pasteur, 25 rue Becquerel, 67087 Strasbourg, France

^bCentral Laboratories, Slovak, Technicals University, Bratislava, Slovakia

Tetrahedron Letters 43 (2002) 415



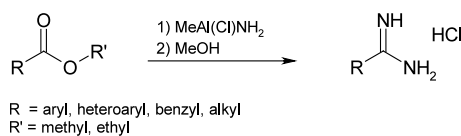
A novel approach to amidines from esters

Heike Gielen,* Cristina Alonso-Alija, Martin Hendrix, Ulrich Niewöhner and Dagmar Schauss

Bayer AG, Business Group Pharma, D-42096 Wuppertal, Germany

A method for directly converting esters to amidines in moderate to high yields has been developed.

Tetrahedron Letters 43 (2002) 419



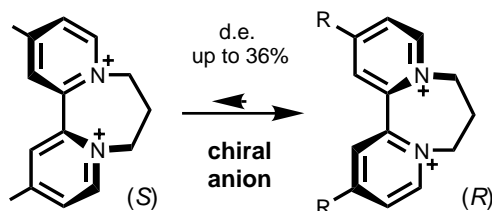
Chiral anion-mediated asymmetric induction onto chiral diquats

Chiara Pasquini,^{a,b} Valérie Desvergnès-Breuil,^a Jonathan J. Jodry,^a Antonella Dalla Cort^b and Jérôme Lacour^{a,*}

^aUniversité de Genève, Département de Chimie Organique, Quai Ernest Ansermet 30, CH-1211 Geneva 4, Switzerland

^bCentro CNR sui Meccanismi di Reazione and Dipartimento di Chimica, Università 'La Sapienza', I-00185 Rome, Italy

Tetrahedron Letters 43 (2002) 423



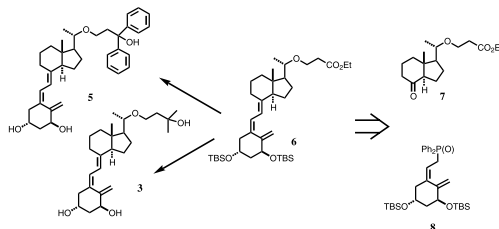
Stereoselective synthesis of 22-oxacalcitriol (OCT) and analogues modified at C25

Tetrahedron Letters 43 (2002) 427

Yagamare Fall,^{a,*} Victoria González,^a Beatriz Vidal^a and Antonio Mouriño^b

^aDepartamento de Química Orgánica, Facultad de Ciencias. Universidad de Vigo, 36200 Vigo, Spain

^bDepartamento de Química Orgánica y Unidad Asociada al CSIC, Universidad de Santiago de Compostela, 15706 Santiago de Compostela, Spain

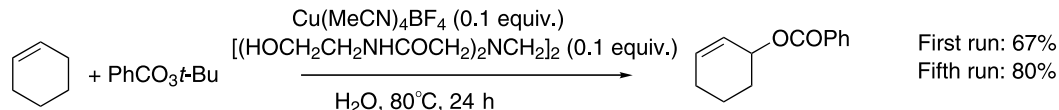


Water-soluble and reusable copper catalyst for the allylic benzyloxylation of olefins

Tetrahedron Letters 43 (2002) 431

Jean Le Bras and Jacques Muzart*

Unité Mixte de Recherche 'Réactions Sélectives et Applications', CNRS, Université de Reims Champagne-Ardenne, BP 1039, 51687 Reims cedex 2, France



Isolation and structure elucidation of vancoresmycin—a new antibiotic from *Amycolatopsis* sp. ST 101170

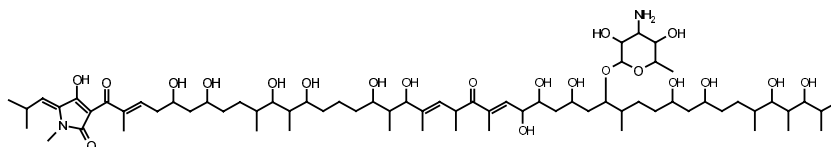
Tetrahedron Letters 43 (2002) 435

Cordula Hopmann,^{a,*} Michael Kurz,^a Mark Brönstrup,^a Joachim Wink^a and Dominique LeBeller^b

^aAventis Pharma Deutschland GmbH, LG Natural Products Research, H 780, 65926 Frankfurt a. M., Germany

^bAventis Pharma France, 111 Route de Noisy, 93235 Romainville cedex, France

Vancoresmycin, a new tetramic acid derivative with a highly oxygenated long alkyl chain, was isolated and the structure elucidated.



Solid-phase synthesis of 4-aryl substituted 5-carboxy-6-methyl-3,4-dihydropyridones

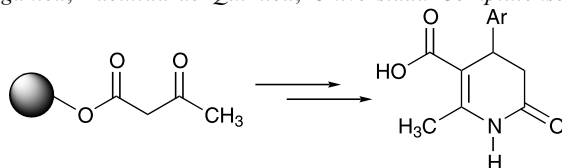
Tetrahedron Letters 43 (2002) 439

Hortensia Rodríguez,^{a,*} Osvaldo Reyes,^b Margarita Suarez,^{a,*} Hilda E. Garay,^b Rolando Pérez,^a Luis Javier Cruz,^b Yamila Verdecia,^b Nazario Martín^{c,*} and Carlos Seoane^c

^aLaboratorio de Síntesis Orgánica, Facultad de Química, Universidad de La Habana, 10400 Ciudad Habana, Cuba

^bCentro de Ingeniería Genética y Biotecnología, Apartado 6162, 10600 Ciudad Habana, Cuba

^cDepartamento de Química Orgánica, Facultad de Química, Universidad Complutense, E-28040 Madrid, Spain

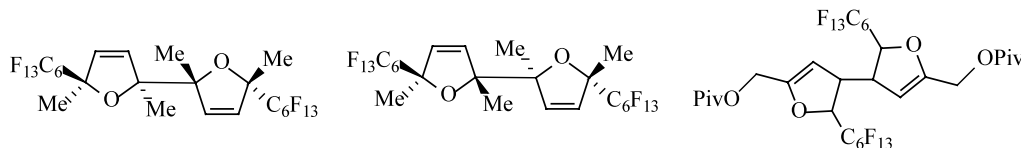


Dithionite-mediated perfluoroalkylation of furan derivatives with dimerization

Tetrahedron Letters 43 (2002) 443

Stefan Tews, Martin Hein and Ralf Miethchen*

University of Rostock, Department of Organic Chemistry, Albert-Einstein-Strasse 3a, 18051 Rostock, Germany

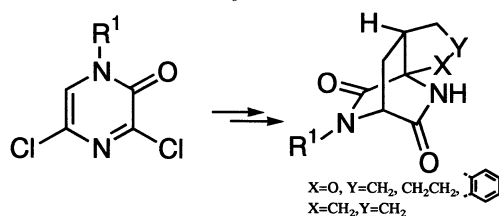


Stereoselective intramolecular Diels–Alder reactions of 3-alkenyl-(oxy)-2(1H)-pyrazinones

Tetrahedron Letters 43 (2002) 447

Wim M. De Borggraeve, Frederik J. R. Rombouts, Bie M. P. Verbist, Erik V. Van der Eycken and Georges J. Hoornaert*

Laboratorium voor Organische Synthese, K.U. Leuven, Celestijnenlaan 200F, B-3001 Leuven, Belgium



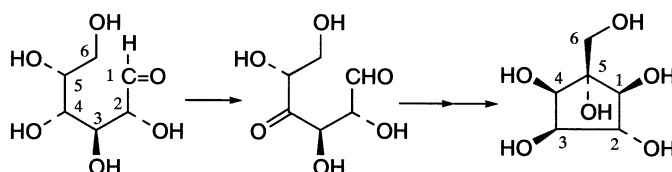
Biosynthesis of calditol, the cyclopentanoid containing moiety of the membrane lipids of the archaeon *Sulfolobus solfataricus*

Tetrahedron Letters 43 (2002) 451

Agata Gambacorta,^{a,*} Gabriella Caracciolo,^a Diego Trabasso,^a Irene Izzo,^b Aldo Spinella^{b,*} and Guido Sodano^{b,*}

^a*Istituto per la Chimica di Molecole di Interesse Biologico, C.N.R., via Toiano 6, 80072 Arco Felice, NA, Italy*

^b*Dipartimento di Chimica, Università di Salerno, 84081 Baronissi, SA, Italy*

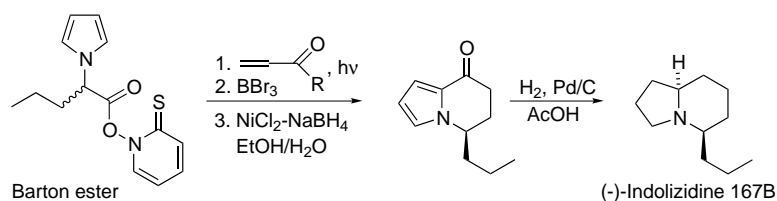


A radical approach towards indolizidine 167B

Tetrahedron Letters 43 (2002) 455

Marta C. Corvo and M. Manuela A. Pereira*

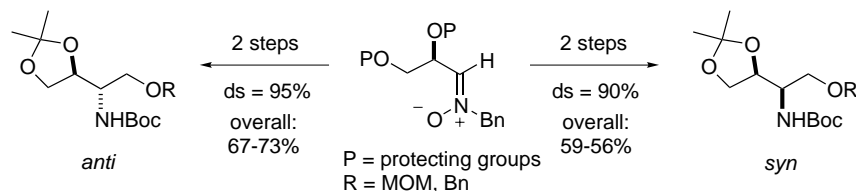
Departamento de Química, Centro de Química Fina e Biotecnologia, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Quinta da Torre, 2829-516 Caparica, Portugal



Efficient synthesis of (2*R*,3*S*)- and (2*S*,3*S*)-2-amino-1,3,4-butanetriols through stereodivergent hydroxymethylation of *D*-glyceraldehyde nitrones

Pedro Merino,* Santiago Franco, Francisco L. Merchan, Julia Revuelta and Tomas Tejero

Departamento de Química Orgánica, Facultad de Ciencias-ICMA, Universidad de Zaragoza, E-50009 Zaragoza, Aragón, Spain

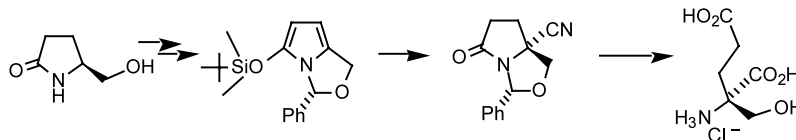


Stereoselective synthesis of (2*S*)-2-hydroxymethylglutamic acid, a potent agonist of metabotropic glutamate receptor mGluR3

Prabir K. Choudhury, Bao Khanh Le Nguyen and Nicole Langlois*

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

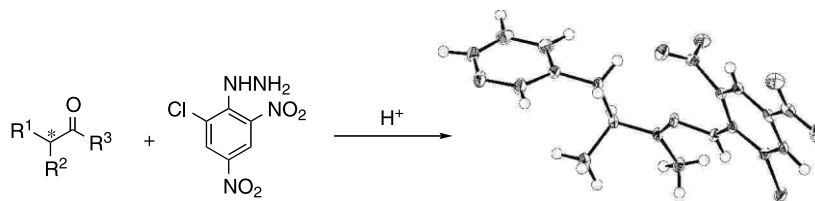
Highly diastereoselective synthesis of (2*S*)-2-hydroxymethylglutamic acid was achieved from a bicyclic silyloxypyrrole derived from (*S*)-pyroglutaminol.



6-Chloro-2,4-dinitrophenylhydrazine as a useful crystalline agent for the determination of absolute configuration

Yasushi Kawai,* Motoko Hayashi and Norihiro Tokitoh

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

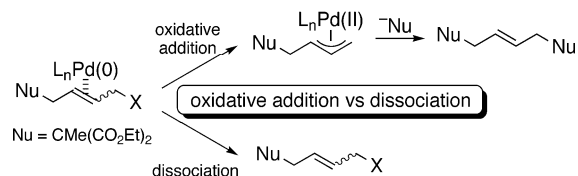


Palladium-catalyzed allylic substitution reaction: oxidative addition versus dissociation in an olefin-palladium(0) complex

Ko Tsurugi, Nobuyoshi Nomura* and Keigo Aoi

Laboratory of Polymer Chemistry, Graduate School of Bioagricultural Sciences, Nagoya University, Nagoya 464-8601, Japan

The reaction behavior of a transient olefin-palladium(0) complex after first allylation is controlled by tuning ligands, and highly efficient palladium-catalyzed cascade double alkylation of a diallylic substrate in a step is described.

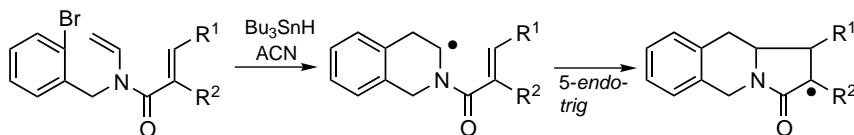


Radical cascade involving a 5-endo-trig cyclization of α -amidoyl radicals

Tetrahedron Letters 43 (2002) 473

Hiroyuki Ishibashi,* Atsuko Ishita and Osamu Tamura

Faculty of Pharmaceutical Sciences, Kanazawa University, Takara-machi, Kanazawa 920-0934, Japan



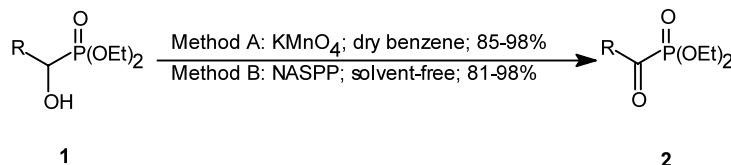
Preparation of α -ketophosphonates by oxidation of α -hydroxyphosphonates with neutral alumina supported potassium permanganate (NASPP) under solvent-free conditions and potassium permanganate in dry benzene

Tetrahedron Letters 43 (2002) 477

Habib Firouzabadi,* Nasser Iranpoor* and Sara Sobhani

Department of Chemistry, College of Sciences, Shiraz University, Shiraz 71454, Iran

Oxidation; α -hydroxyphosphonate; α -ketophosphonate; potassium permanganate; neutral alumina supported potassium permanganate (NASPP).

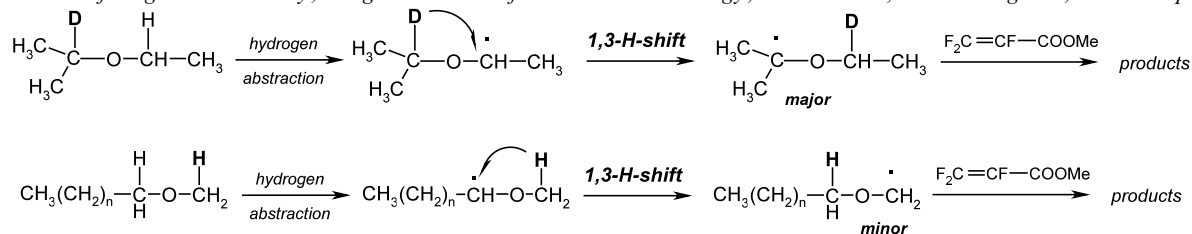


Novel rearrangement of secondary alkoxyalkyl radicals during addition to a double bond. Steric shielding in the formation of tertiary alkoxyethyl radicals

Tetrahedron Letters 43 (2002) 481

Oldřich Paleta,* Jan Hajduch and Stanislav Böhme

Department of Organic Chemistry, Prague Institute of Chemical Technology, Technická 5, 16628 Prague 6, Czech Republic



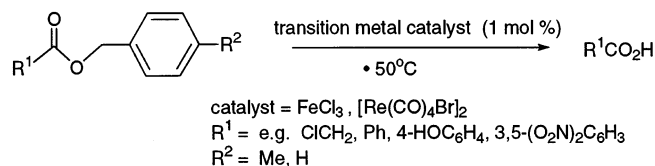
Deprotection of benzylic esters catalysed by anhydrous ferric chloride and rhenium carbonyl compounds

Tetrahedron Letters 43 (2002) 487

Timothy J. Davies,^a Ray V. H. Jones,^b W. Edward Lindsell,^a Colin Miln^b and Peter N. Preston^{a,*}

^a*Department of Chemistry, Heriot-Watt University, Riccarton, Edinburgh, EH14 4AS, UK*

^b*Syngenta, Earls Road, Grangemouth, Stirlingshire, FK3 8XG, UK*



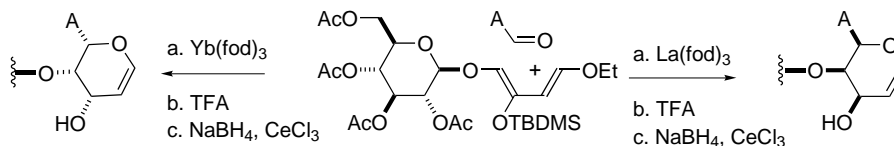
A stereocontrolled cycloaddition route to β -D-glucopyranosyl (1 \rightarrow 4)-linked glycols

Tetrahedron Letters 43 (2002) 489

Richard P. C. Cousins,^a Robin G. Pritchard,^b Clive M. Raynor,^b Mark Smith^b and Richard J. Stoodley^{b,*}

^aGlaxoSmithKline, Medicines Research Centre, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY, UK

^bDepartment of Chemistry, UMIST, PO Box 88, Manchester M60 1QD, UK

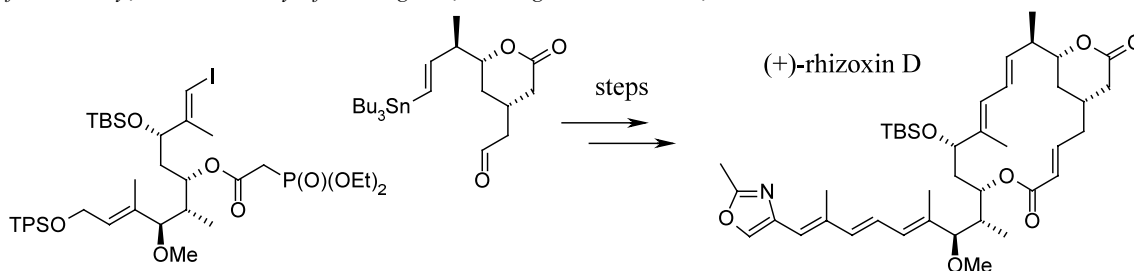


A concise enantioselective total synthesis of rhizoxin D

Tetrahedron Letters 43 (2002) 493

Ian S. Mitchell, Gerald Pattenden* and Jeffrey P. Stonehouse

School of Chemistry, The University of Nottingham, Nottingham NG7 2RD, UK

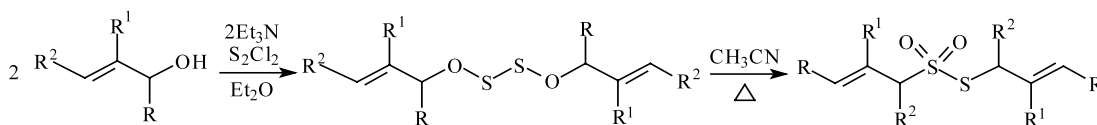


Facile preparation and rearrangement of allylic dialkoxy disulfides

Tetrahedron Letters 43 (2002) 499

Samuel Braverman* and Tatiana Pechenick

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



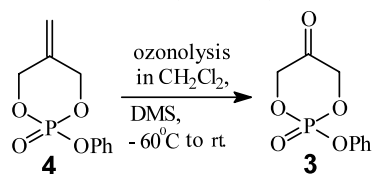
The first synthesis of a cyclic dihydroxyacetone phosphate, a new molecule of biological importance

Tetrahedron Letters 43 (2002) 503

Shyamaprosad Goswami* and Avijit Kumar Adak

Department of Chemistry, Bengal Engineering College (Deemed University), Howrah 711 103, West Bengal, India

The synthesis of the phenyl ester of the hitherto unknown six-membered cyclic dihydroxyacetone phosphate (CDHAP) **3**, a molecule of biological importance has been achieved by ozonolysis of **4** under neutral conditions.

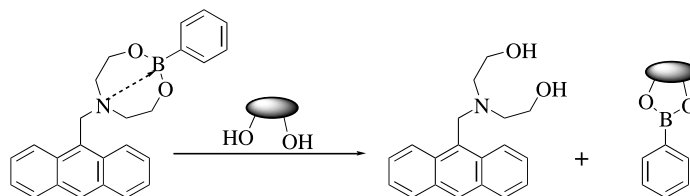


A competition assay for diols using 9-(*N,N*-diethanolaminomethyl)-anthracene and phenylboronic acid

Susumu Arimori and Tony D. James*

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

Tetrahedron Letters 43 (2002) 507

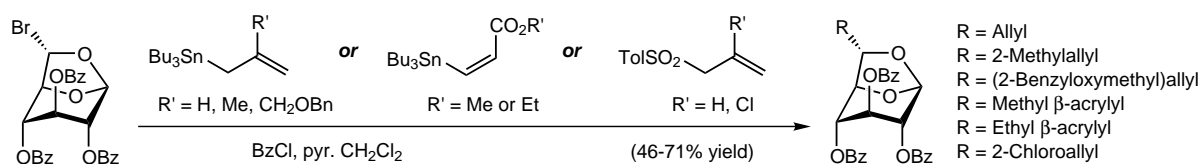


Free radical alkylation of tri-*O*-benzoyl-6-*exo*-bromo-levoglucosan: approaches to the synthesis of okadaic acid

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Tetrahedron Letters 43 (2002) 511



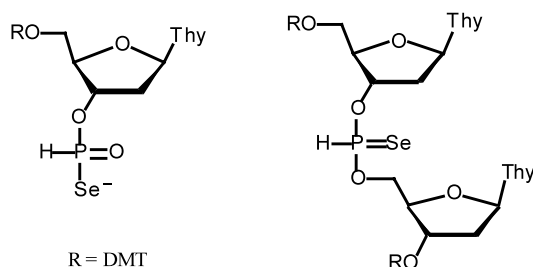
Nucleoside H-phosphonates. Part 19: Novel nucleotide analogues—H-phosphoselenoate mono- and diesters

Martin Bollmark,^a Martin Kullberg^a and Jacek Stawinski^{a,b,*}

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Efficient protocols for the preparation of nucleoside H-phosphoselenoate mono- and diesters were developed.



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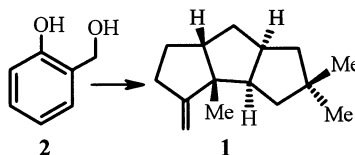
A novel stereoselective total synthesis of (\pm)-hirsutene from saligenin

Vishwakarma Singh,* Punitha Vedantham and Pramod K. Sahu

Department of Chemistry, Indian Institute of Technology, Bombay, Mumbai 400 076, India

Tetrahedron Letters 43 (2002) 519

A total synthesis of hirsutene **1** from saligenin **2** is described.



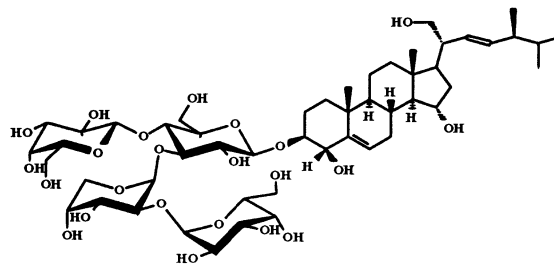
Mycaloside A, a new steroid oligoglycoside with an unprecedented structure from the Caribbean sponge *Mycale laxissima*

Tetrahedron Letters 43 (2002) 523

Anatoly I. Kalinovsky, Alexandr S. Antonov,
Shamil Sh. Afiyatullof, Pavel S. Dmitrenok,
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Prospect 100-letya Vladivostoka, Russia*

The structure of mycaloside A (1) from the sponge *Mycale laxissima* has been established as (2*E*,20*R*,24*S*)-3-*O*-{ α -D-Galp(1→2)- β -D-Arap-(1→3)-[β -D-Galp(1→4)]- β -D-Glcp}-3 β ,4 β ,15 α ,21-tetrahydroxy-24-methyl-cholesta-5,22-diene by interpretation of spectral data and chemical transformations.

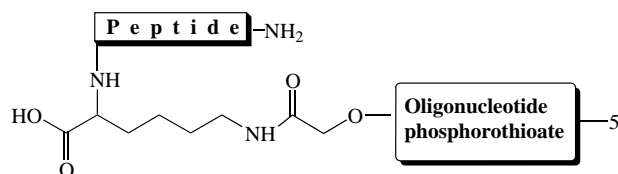


Towards a general method for the stepwise solid-phase synthesis of peptide–oligonucleotide conjugates

Tetrahedron Letters 43 (2002) 527

Maxim Antopolsky, Elena Azhayeva, Unni Tengvall and Alex Azhayev*

Department of Pharmaceutical Chemistry, University of Kuopio, PO Box 1627, FIN-70211 Kuopio, Finland



Sub-structure syntheses and relative stereochemistry in the bistramide (bistratene) series of marine metabolites

Tetrahedron Letters 43 (2002) 531

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