

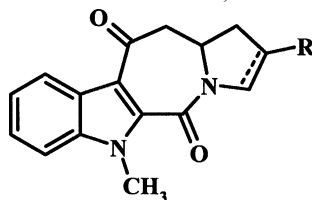
First synthesis of pyrrolo[1,2:1',2']azepino[5,6-*b*]indole derivatives

Tetrahedron Letters 44 (2003) 6553

Julien Perron,^a Benoît Joseph^b and Jean-Yves Mérour^{a,*}

^a*Institut de Chimie Organique et Analytique, UMR-CNRS 6005, Université d'Orléans, BP 6759, 45067 Orléans Cedex 02, France*

^bLaboratoire de Chimie Organique 1, UMR-CNRS 5622, Université Claude Bernard – Lyon 1, CPE-Bâtiment 308, 43 Boulevard du 11 Novembre 1918, 69622 Villeurbanne Cedex, France



Polystyrylsulfonyl-3-nitro-1*H*-1,2,4-triazolide-resin: a new solid-supported reagent for the esterification of amino acids

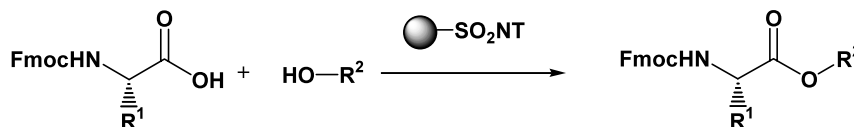
Tetrahedron Letters 44 (2003) 6557

Norbert Zander,^a Jürgen Gerhardt^b and Ronald Frank^{a,*}

^a*AG Molecular Recognition, GBF (German Research Centre for Biotechnology) Mascheroder Weg 1, D-38124 Braunschweig, Germany*

^bC.A.T. GmbH&Co KG., Heerweg 10, D-72070 Tübingen, Germany

A new resin for the esterification of α -amino acids in high yields and purity with a low level of racemisation is described.



Stereoselective cycloaddition of 1-glucosyl-1,3-butadienes with *tert*-butyl 2*H*-azirine-3-carboxylate, glyoxylates and imines

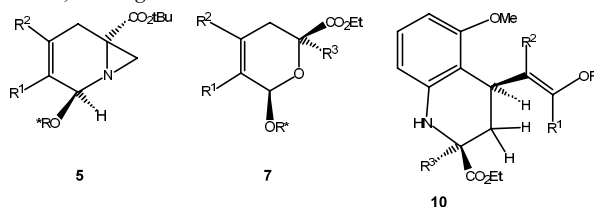
Tetrahedron Letters 44 (2003) 6561

M. José Alves,^{a,*} I. G. Almeida,^a A. Gil Fortes^{a,*} and A. P. Freitas^b

^a*Departamento de Química, Universidade do Minho, Campus de Gualtar, 4710-057 Braga, Portugal*

^b*Universidade Fernando Pessoa, R. Carlos da Maia, 298, 4200-150 Porto, Portugal*

Glucose diene derivatives have been reacted with a *2H*-azirine, glyoxylates and imines to form bicyclic structures of type **5**, disaccharides **7** and tetrahydroquinolines **10**.

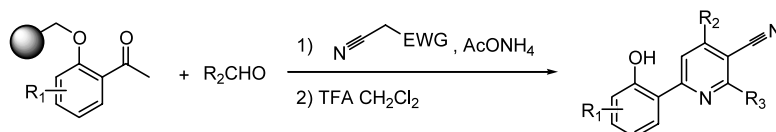


Efficient synthesis of 3-cyano-6-(2-hydroxyphenyl)pyridines by multi-component condensations on beads

Tetrahedron Letters 44 (2003) 6567

Takuya Shintani, Hiroshi Kadono, Tetsuo Kikuchi, Thomas Schubert, Yuka Shogase and Makoto Shimazaki*

Department of Chemistry, Research Center Kyoto, Bayer Yakuhin Ltd, Kizu-cho, Soraku-gun, Kyoto 619-0216, Japan

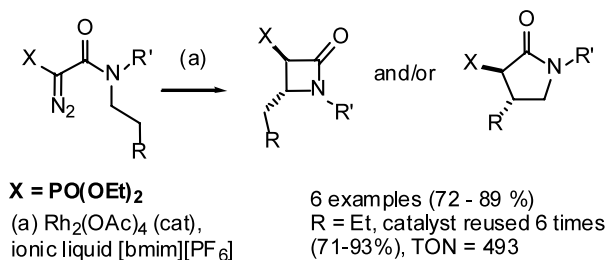


Dirhodium(II)-catalysed C–H insertion on α -diazo- α -phosphono-acetamides in an ionic liquid

Tetrahedron Letters 44 (2003) 6571

Pedro M. P. Gois and Carlos A. M. Afonso*

REQUIMTE/CQFB, Departamento de Química, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2829-516 Caparica, Portugal



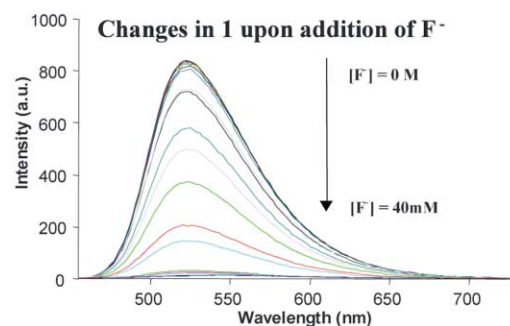
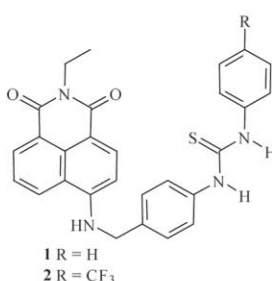
Dual responsive chemosensors for anions: the combination of fluorescent PET (Photoinduced Electron Transfer) and colorimetric chemosensors in a single molecule

Tetrahedron Letters 44 (2003) 6575

Thorfinnur Gunnlaugsson,^{a,*}
 Paul E. Kruger,^a T. Clive Lee,^b
 Raman Parkesh,^a Frederick M.
 Pfeffer^a and Gillian M. Hussey^a

^aDepartment of Chemistry, Trinity College
 Dublin, Dublin 2, Ireland

^bDepartment of Anatomy, Royal College of
 Surgeons in Ireland, St. Stephen's Green,
 Dublin 2, Ireland



Efficient guanidination of the phosphate linkage towards cationic phosphoramidate oligonucleotides

Tetrahedron Letters 44 (2003) 6579

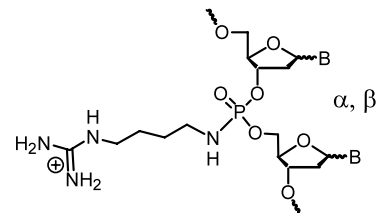
Thibaut Michel, Françoise Debart* and Jean-Jacques Vasseur

Laboratoire de Chimie Organique Biomoléculaire de Synthèse,

UMR 5625 CNRS-UM II, CC 008,

Université Montpellier II, Place Eugène Bataillon, 34095 Montpellier Cedex 05, France

An efficient postsynthesis method of guanidination of oligonucleotides was employed to introduce several guanidinium groups into internucleotide phosphoramidate linkages in order to obtain a new class of cationic oligonucleotides.

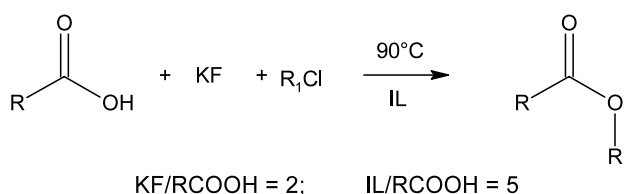


Efficient esterification of carboxylic acids with alkyl halides catalyzed by fluoride ions in ionic liquids

Tetrahedron Letters 44 (2003) 6583

L. Brinchi, R. Germani and G. Savelli*

Department of Chemistry, Università di Perugia, Via Elce di Sotto, 8, 06124 Perugia, Italy

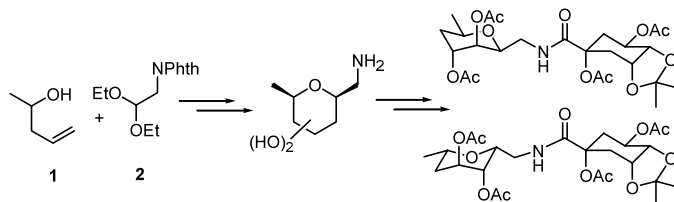


Total syntheses of aminomethyl-C-dideoxycopyranosides and their quinamides

Tetrahedron Letters 44 (2003) 6587

Dmitriy E. Gremyachinskiy, Vyacheslav V. Samoshin and Paul H. Gross*

Department of Chemistry, University of the Pacific, Stockton, CA 95211, USA

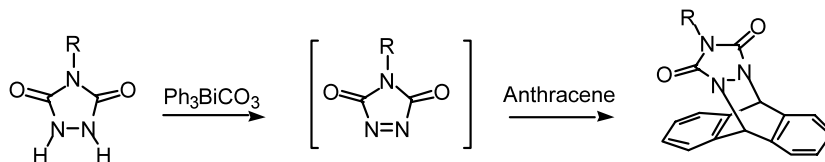


Ph₃BiCO₃: a mild reagent for in situ oxidation of urazoles to triazolinediones

Tetrahedron Letters 44 (2003) 6591

Cécilia Ménard, Eric Doris* and Charles Mioskowski*

CEA/Saclay, Service de Marquage Moléculaire et de Chimie Bioorganique, Département de Biologie Joliot-Curie, 91191 Gif sur Yvette Cedex, France



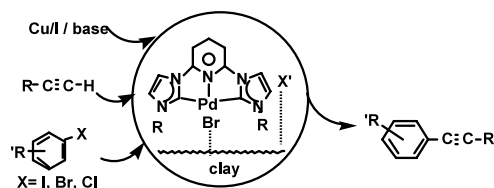
Improved Sonogashira C–C coupling through clay supported palladium complexes with tridentate pincer bis-carbene ligands

Tetrahedron Letters 44 (2003) 6595

Elena Mas-Marzá,^b Anna M. Segarra,^a Carmen Claver,^a Eduardo Peris^{b,*} and Elena Fernandez^{a,*}

^a*Departament de Química Física i Inorgànica, Universitat Rovira i Virgili, Pça. Imperial Tàrraco 1, 43005 Tarragona, Spain*

^b*Departament de Química Inorgànica i Orgànica, Universitat Jaume I, 12080, Castellón, Spain*

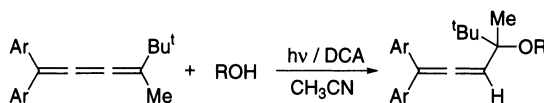


Regioselective photoaddition of alcohols to 1,2,3-butatriene derivatives via photoinduced electron transfer

Tetrahedron Letters 44 (2003) 6601

Hajime Maeda, Shogo Nishioka and Kazuhiko Mizuno*

Department of Applied Chemistry, Graduate School of Engineering, Osaka Prefecture University, 1-1 Gakuen-cho, Sakai, Osaka 599-8531, Japan

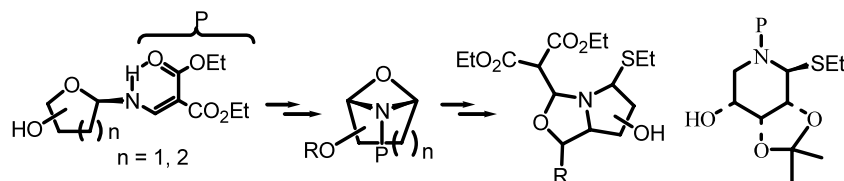


Stereoselective synthesis of azasugar thioglycosides

Tetrahedron Letters 44 (2003) 6605

M. Angeles Pradera, Francisco J. Sayago, José M. Illangua,
Consolación Gasch and José Fuentes*

Departamento de Química Orgánica, Facultad de Química, Universidad de Sevilla, Apartado 553, E-41071 Sevilla, Spain



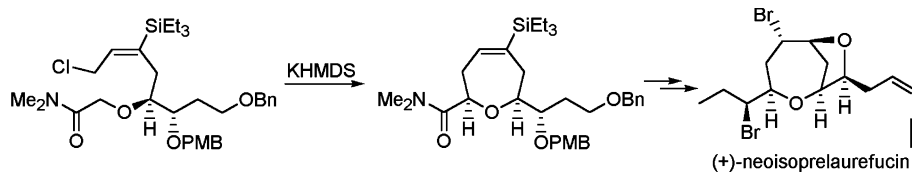
Total synthesis and determination of the absolute configuration of (+)-neoisoprelaufucun

Tetrahedron Letters 44 (2003) 6609

Hyunjoo Lee,^a Hyongsu Kim,^a Seungyoup Baek,^a Sanghee Kim^b and Deukjoon Kim^{a,*}

^aResearch Institute of Pharmaceutical Sciences, College of Pharmacy, Seoul National University, San 56-1, Shillim-Dong, Kwanak-Gu, Seoul 151-742, Republic of Korea

^bNatural Products Research Institute, College of Pharmacy, Seoul National University, 28 Yungun, Jongro-Ku, Seoul 110-460, Republic of Korea



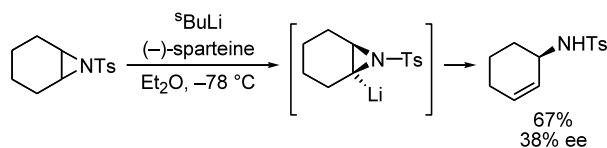
α -Lithiation-rearrangement of *N*-toluenesulfonyl aziridines with *sec*-butyllithium and (–)-sparteine: opposite sense of asymmetric induction to epoxides

Tetrahedron Letters 44 (2003) 6613

Peter O'Brien,^{a,*} Clare M. Rosser^a and Darren Caine^b

^aDepartment of Chemistry, University of York, Heslington, York YO10 5DD, UK

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

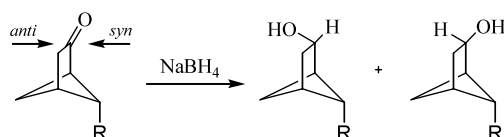


Bicyclo[2.1.1]hexan-2-one as a new probe for the study of π -facial selectivity in nucleophilic additions. A comment

Tetrahedron Letters 44 (2003) 6617

Veejendra K. Yadav,* K. Ganesh Babu and R. Balamurugan

Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, India



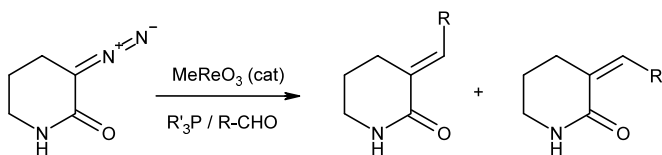
Olefination of 3-diazopiperidin-2-one

Tetrahedron Letters 44 (2003) 6621

Richard Harrison,^a Antonio Mete^{a,*} and Lauren Wilson^b

^aAstraZeneca R&D Charnwood, Medicinal Chemistry, Bakewell Road, Loughborough, LE11 5RH, UK

^bSchool of Chemistry, University of Nottingham, University Park, Nottingham, NG7 2RD, UK



E:Z ~10:1, R = Alkyl, Phenyl, Heterocyclyl

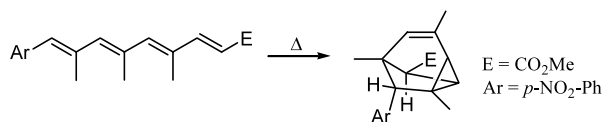
Thermally induced cascade pericyclic reaction pathways from tetraene esters

Tetrahedron Letters 44 (2003) 6625

John E. Moses,^a Jack E. Baldwin,^{a,*} Robert M. Adlington,^a Andrew R. Cowley^b and Rodolfo Marquez^a

^aDyson Perrins Laboratory, Oxford University, South Parks Road, Oxford OX1 3QY, UK

^bChemical Crystallography, Oxford University, South Parks Road, Oxford OX1 3QR, UK

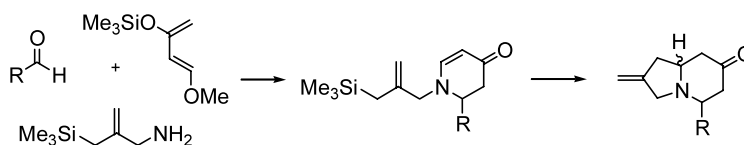


Tetrabutylammonium triphenyldifluorosilicate (TBAT) initiated intramolecular addition of allylsilanes to 2,3-dihydro-4-pyridones. A novel route for the stereoselective construction of indolizidine systems

Tetrahedron Letters 44 (2003) 6629

Bartłomiej Furman* and Magdalena Dziedzic

Institute of Organic Chemistry, Polish Academy of Sciences, 01-224 Warsaw, Poland

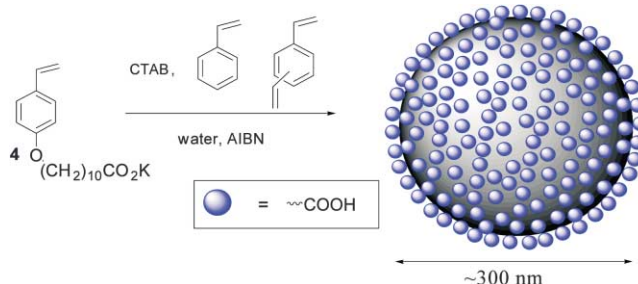


Surface-functionalised nano-beads as novel supports for organic synthesis

Tetrahedron Letters 44 (2003) 6633

Andrew N. Cammidge,* Stuart Downing and Zainab Ngaini

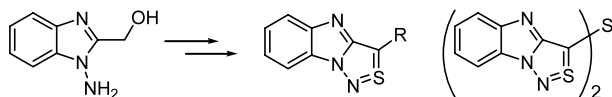
*Wolfson Materials and Catalysis Centre,
School of Chemical Sciences and Pharmacy,
University of East Anglia, Norwich NR4 7TJ, UK*



Synthesis and structure of benzimidazo[1,2-c][1,2,3]thiadiazoles: first examples of a novel ring system

Tetrahedron Letters 44 (2003) 6635

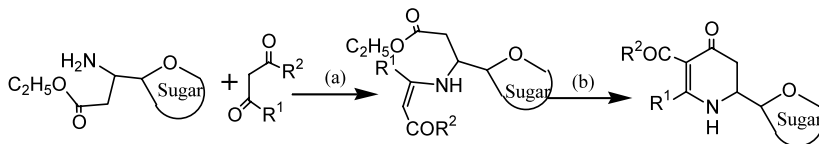
Sigitas Tumkevicius,* Linas Labanauskas, Virginija Bucinskaite, Algirdas Brukstus and Gintaras Urbelis
Department of Organic Chemistry, Faculty of Chemistry, Vilnius University, Naugarduko 24, Vilnius 2006, Lithuania



Amberlite IR-120 catalysed efficient synthesis of glycosyl enamines and their application

Tetrahedron Letters 44 (2003) 6639

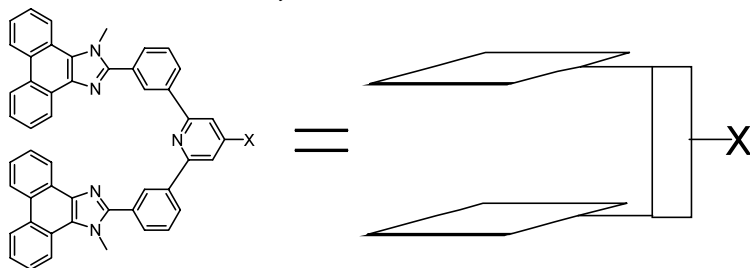
Neetu Tewari, Diksha Katiyar, Vinod K. Tiwari and Rama P. Tripathi*
Division of Medicinal Chemistry, Central Drug Research Institute, Lucknow 226001, India



Functionalisation of the hinge region in receptor molecules for explosive detection

Tetrahedron Letters 44 (2003) 6643

Frederik C. Krebs
The Danish Polymer Centre, RISØ National Laboratory, PO Box 49, DK-4000 Roskilde, Denmark

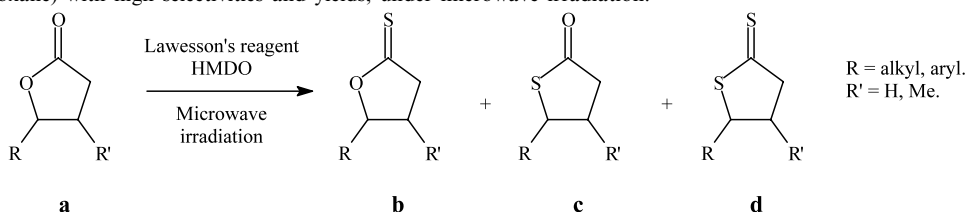


Solvent-free thionation of γ -lactones under microwave irradiation

Tetrahedron Letters 44 (2003) 6647

Jean-Jacques Filippi, Xavier Fernandez, Louisette Lizzani-Cuvelier* and André-Michel Loiseau

Laboratoire Arômes Synthèses Interactions, Université de Nice-Sophia Antipolis, Parc Valrose, 06108 Nice Cedex 2, France
 γ -Thionolactones **b** were synthesized from γ -lactones **a** using as new combination of classical reagents (Lawesson's reagent and hexamethyldisiloxane) with high selectivities and yields, under microwave irradiation.



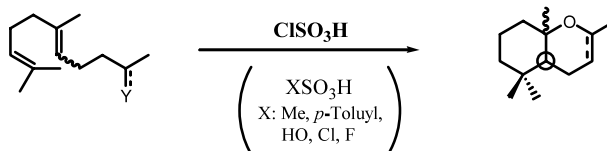
Chlorosulfonic acid as a convenient electrophilic olefin cyclization agent

Tetrahedron Letters 44 (2003) 6651

Pablo J. Linares-Palomino, Sofía Salido, Joaquín Altarejos* and Adolfo Sánchez

Departamento de Química Inorgánica y Orgánica, Facultad de Ciencias Experimentales, Universidad de Jaén, 23071 Jaén, Spain

Among the sulfonic acids studied, chlorosulfonic acid is found to be a cheap and efficient agent for electrophilic olefin cyclizations.

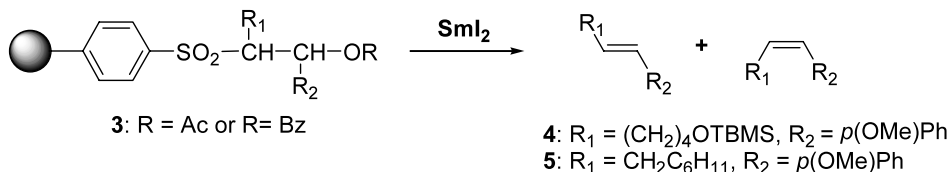


Carbon-carbon bond formation on solid support. Application of the classical Julia-Lythgoe olefination

Tetrahedron Letters 44 (2003) 6657

Jo N. P. D'herde and Pierre J. De Clercq*

Ghent University, Department of Organic Chemistry, Laboratory for Organic Synthesis, Krijglaan 281 (S4), B-9000 Gent, Belgium

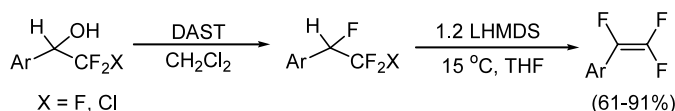


A highly efficient room temperature non-organometallic route for the synthesis of α,β,β -trifluorostyrenes by dehydrohalogenation

Tetrahedron Letters 44 (2003) 6661

R. Anilkumar and Donald J. Burton*

Department of Chemistry, The University of Iowa, Iowa City, IA 52242, USA



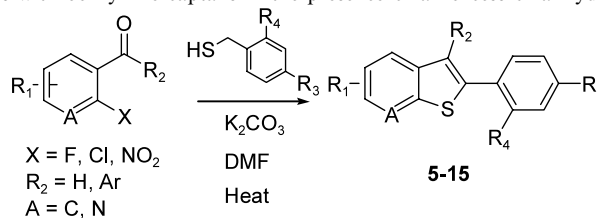
An efficient one-pot synthesis of substituted 2-arylbenzo[b]thiophene derivatives

Tetrahedron Letters 44 (2003) 6665

Meena V. Patel,* Jeffrey J. Rohde, Vijaya Gracias and Teodozj Kolasa

Abbott Laboratories, 100 Abbott Park Rd, Abbott Park, IL 60064-3500, USA

This communication describes an efficient one-pot procedure for the synthesis of 2-arylbenzo[b]thiophene derivatives via reaction of *o*-halo or nitro aryl carbonyl compounds with benzyl mercaptans in the presence of an excess of anhydrous K_2CO_3 at elevated temperature.



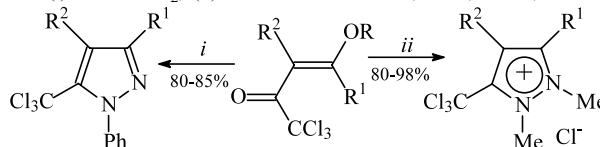
Microwave-assisted synthesis of 5-trichloromethyl substituted 1-phenyl-1*H*-pyrazoles and 1,2-dimethylpyrazolium chlorides

Tetrahedron Letters 44 (2003) 6669

Marcos A. P. Martins,* Claudio M. P. Pereira, Paulo Beck, Pablo Machado, Sidnei Moura, Marcos V. M. Teixeira, Helio G. Bonacorso and Nilo Zanatta

Núcleo de Química de Heterociclos (NUQUIMHE), Departamento de Química, Universidade Federal de Santa Maria, 97.105-900 Santa Maria, RS, Brazil

A series of five 5-trichloromethylpyrazoles and six 5-trichloromethylpyrazolium chlorides have been synthesized by microwave (MW) induced techniques. *Reaction conditions:* (i) PhNHNH₂, (ii) MeNHNHMe·2HCl, MW, 45 W, PhMe, 85°C, 5–12 min.



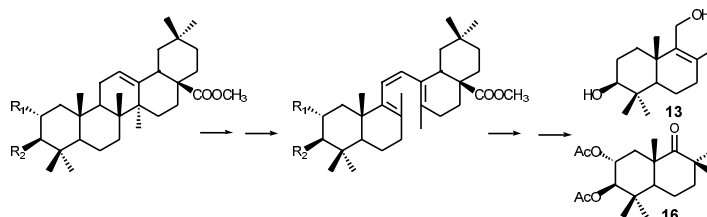
Degradation of triterpenic compounds from olive-pressing residues. Synthesis of *trans*-decalin type chiral synthons

Tetrahedron Letters 44 (2003) 6673

Andrés García-Granados,* Pilar E. López, Enrique Melguizo, Andrés Parra and Yolanda Simeó

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Granada, 18071, Granada, Spain

Drimane-related sesquiterpene and *nor*-sesquiterpene fragments **13** and **16** were obtained by degradation of oleanolic and maslinic acids from olive-oil production residues.



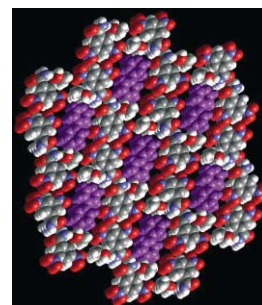
Supramolecular pseudopolymorphs: double helix and planar structures with channels

Tetrahedron Letters 44 (2003) 6679

V. R. Pedireddi* and J. PrakashaReddy

Division of Organic Chemistry, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411 008, India

3,5-Dinitrobenzamide (DNBA) and 4,4'-bipyridyl (BP) co-crystallize to yield different types of channel structure from methanol and water, constituting supramolecular pseudopolymorphs differentiated by double helix and planar sheet arrangement in three-dimensional packing.

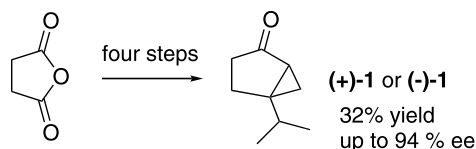


Enantioselective synthesis of sabina ketone

Tetrahedron Letters 44 (2003) 6683

Mario Barberis and Julia Pérez-Prieto*

Departamento de Química Orgánica/ICMOL, Universidad de Valencia, Av. Vicent Andrés Estellés s/n, 46100 Burjassot, Valencia, Spain



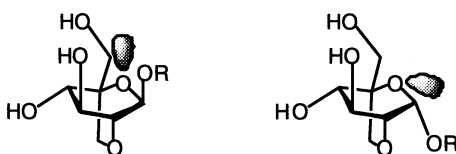
Synthesis of B_{2,5} type conformationally constrained glucopyranosides

Tetrahedron Letters 44 (2003) 6687

Yves Blériot,^a Subramanian K. Vadivel,^a Ian R. Greig,^b Anthony J. Kirby^{b,*} and Pierre Sinaÿ^{a,*}

^a*Ecole Normale Supérieure, Département de Chimie, UMR CNRS 8642, 24 rue Lhomond, 75231 Paris Cedex 05, France*

^b*University Chemical Laboratory, Cambridge CB2 1EW, UK*



R = isopropyl, p-nitrophenyl

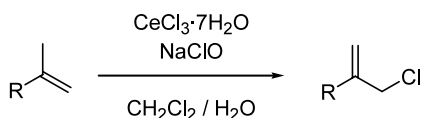
CeCl₃/NaClO: a safe and efficient reagent for the allylic chlorination of terminal olefins

Tetrahedron Letters 44 (2003) 6691

F. Javier Moreno-Dorado, Francisco M. Guerra, Francisco L. Manzano, F. Javier Aladro, Zacarías D. Jorge and Guillermo M. Massanet*

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, Apartado 40, 11510 Puerto Real, Cádiz, Spain

The preparation of allylic chlorides by reaction of terminal olefins with sodium hypochlorite in the presence of cerium trichloride heptahydrate is described. The scope, limitations and synthetic perspectives of the reaction are discussed.

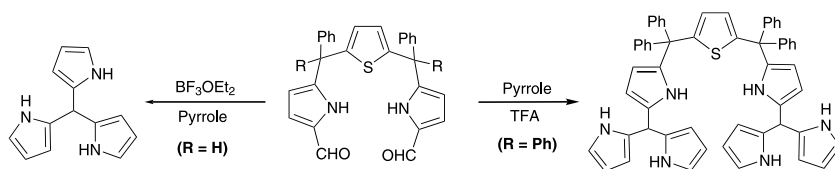


Synthesis of oligopyrrolic cluster bearing thiophene spacer as potential anion receptors

Tetrahedron Letters 44 (2003) 6695

Dong-Hoon Won and Chang-Hee Lee*

Institute of Basic Science and Department of Chemistry, Kangwon National University, Chun-Chon 200-701, Republic of Korea

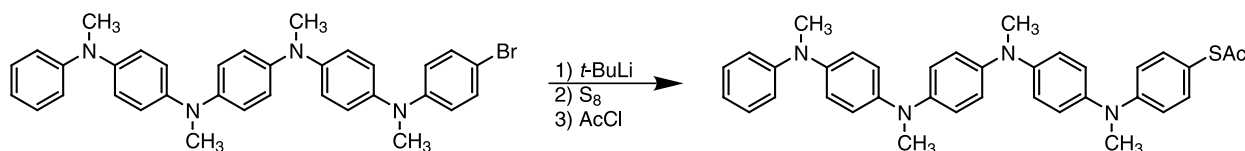


Synthesis of thiol substituted oligoanilines for molecular device candidates

Tetrahedron Letters 44 (2003) 6699

Austen K. Flatt and James M. Tour*

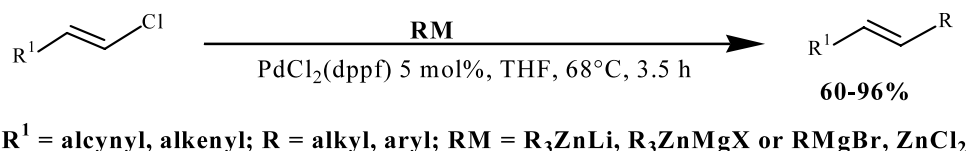
Department of Chemistry and Center for Nanoscale Science and Technology, Rice University, MS-222, 6100 Main Street, Houston, TX 77005, USA



Versatile palladium(II)-catalyzed Negishi coupling reactions with functionalized conjugated alkenyl chlorides

Tetrahedron Letters 44 (2003) 6703

Jean-François Peyrat,* Emmanuel Thomas, Nathalie L'Hermite, Mouâd Alami* and Jean-Daniel Brion
Laboratoire de Chimie Thérapeutique, BioCIS-CNRS (UMR 8076), Université Paris-Sud, Faculté de Pharmacie, rue J. B. Clément, 92296 Châtenay-Malabry Cedex, France



Cycloadditions of N=S functions to cyclopentadienones

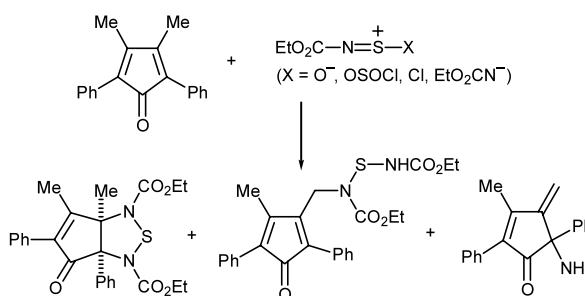
Tetrahedron Letters 44 (2003) 6709

Hadjila Chabane,^a Otto Meth-Cohn,^{a,*} Charles W. Rees,^{b,*}
 Andrew J. P. White^b and David J. Williams^b

^a*Chemistry Department, University of Sunderland, Sunderland SR1 3SD, UK*

^b*Chemistry Department, Imperial College London, London SW7 2AZ, UK*

Readily available cyclopentadienones and N=S dienophiles undergo reactions providing simple routes to 1,2,5-thiadiazolidines, diaminosulfanes, an aminocyclopentenone and the first 1,2,3-oxathiazolidine not oxidised at sulfur.



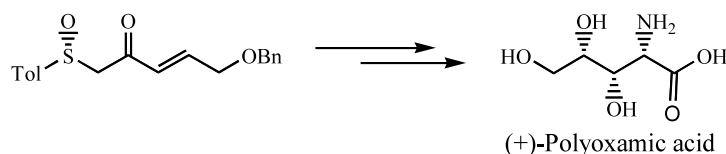
The sulfinyl moiety as an internal nucleophile. Part 8: Efficient, stereospecific synthesis of (+)-polyoxamic acid

Tetrahedron Letters 44 (2003) 6713

Sadagopan Raghavan* and Suju C. Joseph

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

A short, efficient and stereospecific synthesis of (+)-polyoxamic acid is disclosed.

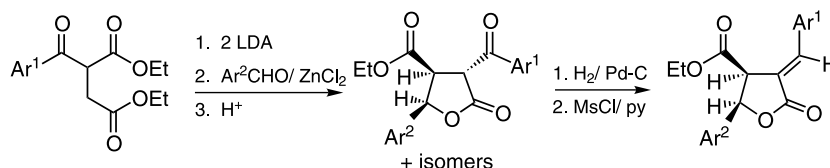


Vicinal dianions of diethyl α-arylsuccinates: a general synthetic route to α-aryl- and α-arylidene-γ-butyrolactones

Tetrahedron Letters 44 (2003) 6717

Manat Pohmakotr,* Laddawan Sampaongoen, Arisara Issaree, Patoomratana Tuchinda and Vichai Reutrakul

Department of Chemistry, Faculty of Science, Mahidol University, Rama 6 Road, Bangkok 10400, Thailand



Synthesis and characterization of alkene-extended tetrathiafulvalenes with lateral alkyne appendages

Tetrahedron Letters 44 (2003) 6721

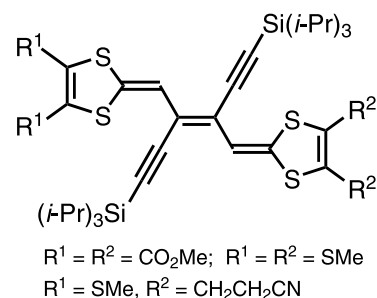
Mogens Brøndsted Nielsen,^{a,*} Jean-Paul Gisselbrecht,^b Niels Thorup,^c Stefano P. Piotto,^d Corinne Boudon^b and Maurice Gross^b

^aDepartment of Chemistry, University of Southern Denmark, DK-5230 Odense M, Denmark

^bLaboratoire d'Electrochimie et de Chimie Physique du Corps Solide, UMR 7512, CNRS, Université Louis Pasteur, F-67000 Strasbourg, France

^cDepartment of Chemistry, Technical University of Denmark, DK-2800 Lyngby, Denmark

^dLaboratorium für Anorganische Chemie, ETH-Hönggerberg, CH-8093 Zürich, Switzerland



Di-*tert*-butylsilylene (DTBS) group-directed α -selective galactosylation unaffected by C-2 participating functionalities

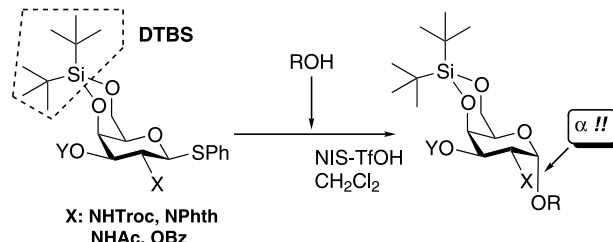
Tetrahedron Letters 44 (2003) 6725

Akihiro Imamura,^{a,c} Hiromune Ando,^{a,*} Satomi Korogi,^a Genzoh Tanabe,^b Osamu Muraoka,^b Hideharu Ishida^{a,c} and Makoto Kiso^{a,c,*}

^aDepartment of Applied Bioorganic Chemistry, Gifu University, 1-1 Yanagido, Gifu 501-1193, Japan

^bSchool of Pharmaceutical Sciences, Kinki University, 3-4-1 Kowakae, Higashiosaka, Osaka 577-8502, Japan

^cCREST, Japan Science and Technology Corporation (JST), 1-1 Yanagido, Gifu 501-1193, Japan



Diacetoxiodobenzene-mediated oxidative addition of 1,3-dicarbonyl compounds to olefins: an efficient one-pot synthesis of 2,3-dihydrofuran derivatives

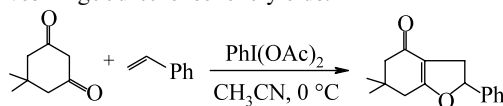
Tetrahedron Letters 44 (2003) 6729

N. N. Karade,^{a,*} S. G. Shirodkar,^b M. N. Patil,^a R. A. Potrekar^b and H. N. Karade^b

^aSchool of Chemical Sciences, S.R.T.M. University, Nanded 431606, India

^bNetaji Subhash Chandra Bose College, Nanded 431606, India

A variety of olefins react with β -dicarbonyl compounds at 0°C in the presence of diacetoxiodobenzene to afford highly substituted 2,3-dihydrofuran derivatives in good to excellent yields.

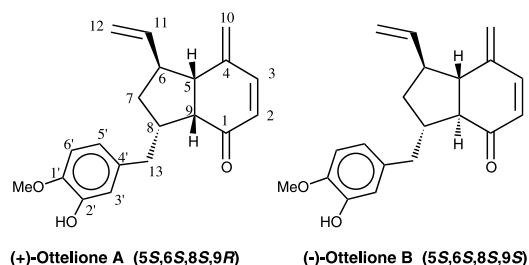


Enantioselective total syntheses of (+)- and (-)-ottellione A and (+)- and (-)-ottellione B. Absolute configuration of the novel, biologically active natural products

Tetrahedron Letters 44 (2003) 6733

Goverdhan Mehta* and Kabirul Islam

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

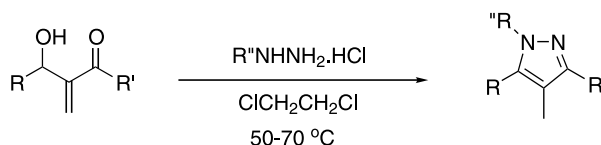


Regioselective synthesis of 1,3,4,5-tetrasubstituted pyrazoles from Baylis–Hillman adducts

Tetrahedron Letters 44 (2003) 6737

Ka Young Lee, Jeong Mi Kim and Jae Nyoung Kim*

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



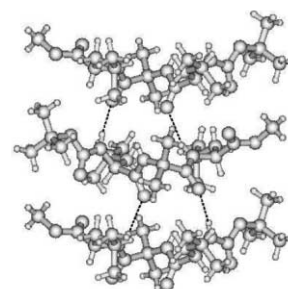
An amyloid-like fibril forming antiparallel supramolecular β -sheet from a synthetic tripeptide: a crystallographic signature

Tetrahedron Letters 44 (2003) 6741

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

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

^b*Department of Chemistry, The University of Reading, Whiteknights, Reading RG6 6AD, UK*

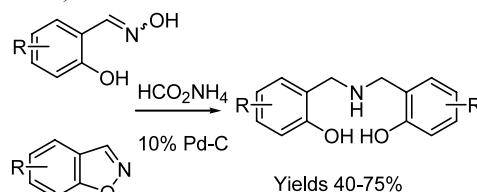


A mild procedure for the production of secondary amines from oximes and benzisoxazoles

Tetrahedron Letters 44 (2003) 6745

Mark Searcey,* Sukhwant S. Grewal, Fiorenza Madeo and Petros G. Tsoungas

Department of Pharmaceutical and Biological Chemistry, University of London School of Pharmacy, 29/39 Brunswick Square, London WC1N 1AX, UK

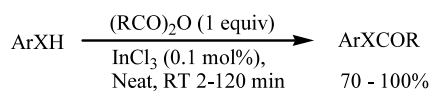


Indium(III) chloride as a new, highly efficient, and versatile catalyst for acylation of phenols, thiols, alcohols, and amines

Tetrahedron Letters 44 (2003) 6749

Asit K. Chakraborti* and Rajesh Gulhane

Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), Sector 67, S. A. S. Nagar, Punjab 160 062, India



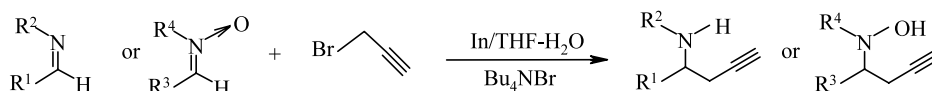
X = O, S, NH; R = Me, Et, ⁱPr, ^tBu, Ph

Indium-mediated propargylation of imines and imine oxides in aqueous media: propargylation of $>C=N$ -centres

Dipak Prajapati,* Dhrubojyoti D. Laskar, Baikuntha J. Gogoi and Gitali Devi

Medicinal Chemistry Division, Regional Research Laboratory, Jorhat 785 006 Assam, India

A new and efficient indium-catalysed coupling of propargyl bromide with a variety of imines and imine oxides afforded the corresponding propargylated products in high yields under mild conditions.



A novel neolignan, mansoxetane, and two new sesquiterpenes, mansonones R and S, from *Mansonia gagei*

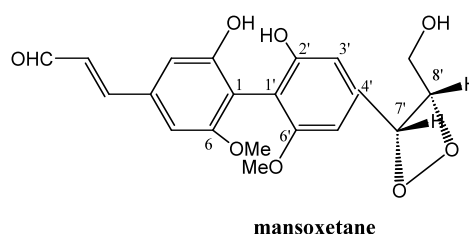
Pattara Tiew,^{a,b} Hiromitsu Takayama,^b Mariko Kitajima,^b

Norio Aimi,^b Udom Kokpol^a and Warinthorn Chavasiri^{a,*}

^aNatural Products Research Unit, Department of Chemistry, Faculty of Science, Chulalongkorn University, Bangkok 10330, Thailand

^bGraduate School of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan

Three new compounds, mansoxetane and mansonones R and S, were obtained from the heartwood of *Mansonia gagei*.

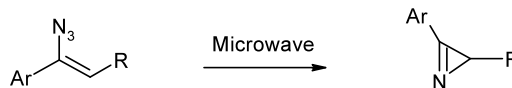


A simple green procedure for the synthesis of 2H-azirines

Pradeep N. D. Singh, Carrie L. Carter and Anna D. Gudmundsdóttir*

Department of Chemistry, University of Cincinnati, OH 45221-0172, USA

An efficient and environmentally friendly method preparing 2H-azirines has been achieved by microwave irradiation of vinyl azides in solvent free conditions.

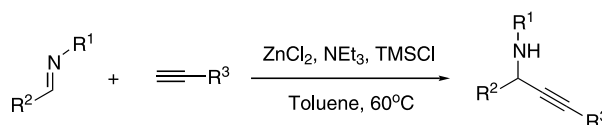


Lewis acid promoted alkynylation of imines with terminal alkynes: simple, mild and efficient preparation of propargylic amines

Biao Jiang* and Yu-Gui Si

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China

A mild and efficient addition of terminal alkynes to imines in the presence of $ZnCl_2$, Et_3N and $TMSCl$ gives propargylamines in good yields.

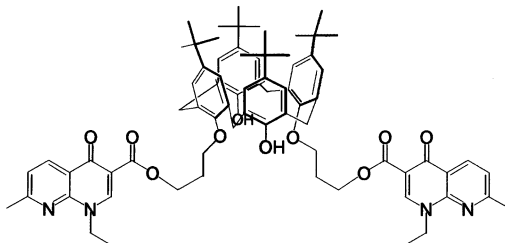


Towards a new family of calixarene-based podands incorporating quinolone arms. An example using nalidixic acid

Tetrahedron Letters 44 (2003) 6769

Adel Ben Salem and Jean-Bernard Regnouf-de-Vains*

GEVSM, UMR 7565 CNRS-UHP, Faculté de Pharmacie, 5, rue Albert Lebrun, F-54001 Nancy Cedex, France



A convenient reagent for generation and stabilization of cationic methallylpalladium complexes containing nitrogen ligands

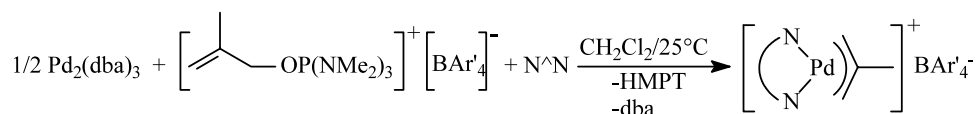
Tetrahedron Letters 44 (2003) 6773

Ali Mechria,^a Mohamed Rzaigui^b and Faouzi Bouachir^{a,*}

^aLaboratoire de Chimie de Coordination, Faculté des Sciences de Monastir, 5000 Monastir, Tunisia

^bLaboratoire de Chimie des Matériaux, Faculté des Sciences de Bizerte, 7021 Jarzouna, Bizerte, Tunisia

A convenient synthesis of the salt $[\text{CH}_2=\text{C}(\text{Me})\text{CH}_2^-\text{O-P}(\text{NMe}_2)_3]^+[(3,5-(\text{CF}_3)_2-\text{C}_6\text{H}_3)_4\text{B}]^-$ is described and its utility for generating cationic η^3 -methallyl palladium complexes is illustrated through oxidative addition reactions.

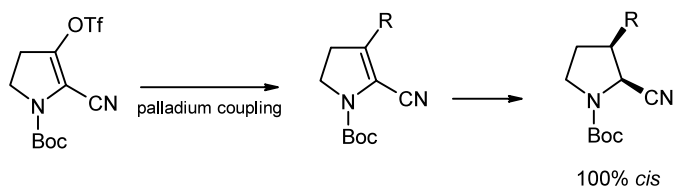


Rapid access to *cis* 3-substituted prolines

Tetrahedron Letters 44 (2003) 6779

Nadia Pellegrini, Martine Schmitt* and Jean-Jacques Bourguignon

Laboratoire de Pharmacochimie de la Communication Cellulaire, UMR 7081 CNRS/ULP, Université Louis Pasteur, Faculté de Pharmacie, 74 Route du Rhin, 67401 Illkirch Cedex, France

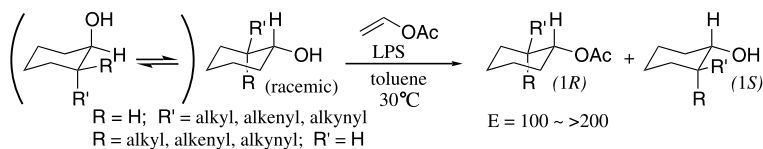


Conformational effects on lipase-mediated acylations of 2-substituted cyclohexanols

Tetrahedron Letters 44 (2003) 6781

Rikuhei Tanikaga,* Yoshimasa Matsumoto, Maki Sakaguchi, Yohei Koyama and Kentaro Ono

Department of Bioscience and Biotechnology, Faculty of Science and Engineering, Ritsumeikan University, Nojihigashi 1-1-1, Kusatsu, Shiga 525-8577, Japan

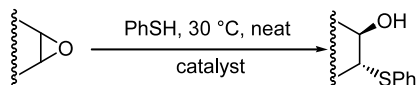


Thiolysis of 1,2-epoxides by thiophenol catalyzed under solvent-free conditions

Tetrahedron Letters 44 (2003) 6785

Francesco Fringuelli, Ferdinando Pizzo,* Simone Tortoioli and Luigi Vaccaro

Dipartimento di Chimica, Università di Perugia, Via Elce di Sotto, 8 I-06123, Perugia, Italy



A novel method for the syntheses of symmetrical disulfides using CsF–Celite as a solid base

Tetrahedron Letters 44 (2003) 6789

Syed Tasadaque A. Shah,^a Khalid M. Khan,^b Miriam Fecker^a and Wolfgang Voelter^{a,*}

^a*Abteilung für Physikalische Biochemie des Physiologisch-chemischen Instituts der Universität Tübingen, Hoppe-Seyler Straße 4, D-72076 Tübingen, Germany*

^b*HEJ Research Institute of Chemistry, International Center for Chemical Sciences, University of Karachi, Karachi 75270, Pakistan*

The oxidative coupling of aliphatic, aromatic and heteroaromatic thiols to disulfides using cesium fluoride–Celite is described. CsF–Celite provides an efficient, convenient and practical method for the syntheses of symmetrical disulfides.

