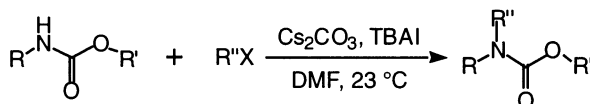
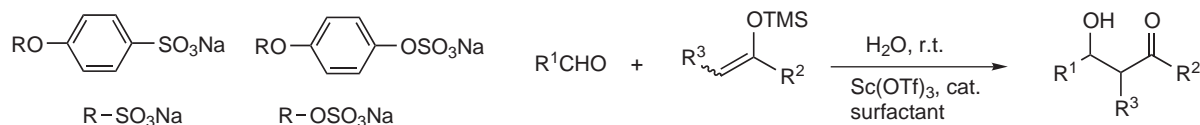
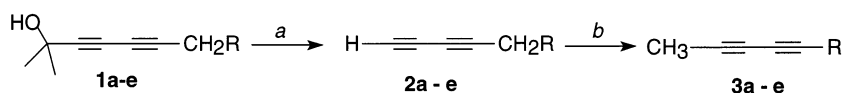


Efficient and selective *N*-alkylation of carbamates in the presence of Cs₂CO₃ and TBAI*Tetrahedron Letters* 42 (2001) 1799Ralph N. Salvatore,^a Seung Il Shin,^a Vincent L. Flanders^a and Kyung Woon Jung^{a,b,*}^aDepartment of Chemistry, University of South Florida, 4202 E. Fowler Avenue, Tampa, FL 33620-5250, USA^bDrug Discovery Program, H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL 33612-9497, USA**The effects of aromatic and aliphatic anionic surfactants on Sc(OTf)₃-catalyzed Mukaiyama aldol reaction in water***Tetrahedron Letters* 42 (2001) 1803Hong-Yu Tian,^a Yong-Jun Chen,^a Dong Wang,^{a,*} Yan-Ping Bu^a and Chao-Jun Li^{b,*}^aCenter for Molecular Science, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, PR China^bDepartment of Chemistry, Tulane University, New Orleans, LA 70118, USA**Synthesis of 1-methyl-4-alkyl-1,3-diacetylenes. Prototropic rearrangement in 1-alkyl-1,3-diacetylenes***Tetrahedron Letters* 42 (2001) 1807Miguel J. Dabdoub,^{*} Vânia B. Dabdoub and Eder J. Lenardão

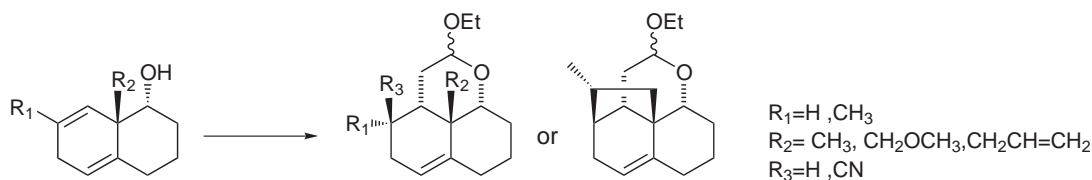
Departamento de Química, Laboratório de Síntese de Compostos Organocogênicos, FFCLRP, Universidade de São Paulo, Av. Bandeirantes, 3900 Ribeirão Preto-SP, Brazil



a. NaOH/hydrocarbon(solvent), reflux;
 b. NaOH/hydrocarbon(solvent), reflux, catalyst (CTAB or crown ether)

Radical cyclizations of bromo ketals from decalin homoallylic and bis-homoallylic alcohols*Tetrahedron Letters* 42 (2001) 1811Guillermo R. Labadie, Raquel M. Cravero and Manuel González-Sierra^{*}

IQUIOS (Instituto de Química Orgánica de Síntesis), Departamento de Química Orgánica, Facultad de Ciencias Bioquímicas y Farmacéuticas, Universidad Nacional de Rosario, Casilla de Correo 991, S2000WAJ Rosario, Argentina

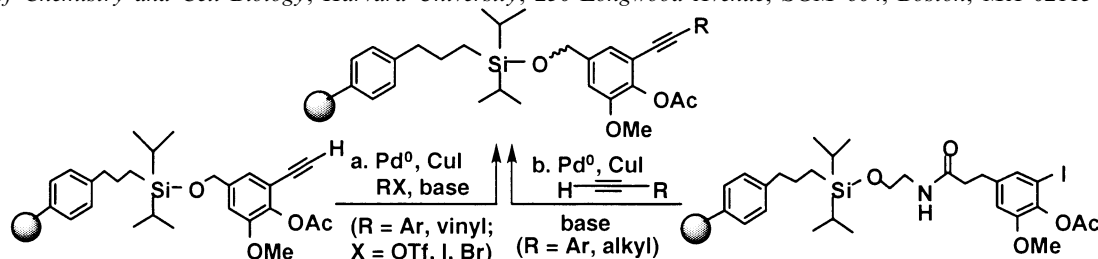


Optimization study of Sonogashira cross-coupling reaction on high-loading macrobeads using a silyl linker

Tetrahedron Letters 42 (2001) 1815

Yun Liao, Reza Fathi, Mike Reitman, Yan Zhang and Zhen Yang*

Institute of Chemistry and Cell Biology, Harvard University, 250 Longwood Avenue, SGM 604, Boston, MA 02115-5731, USA



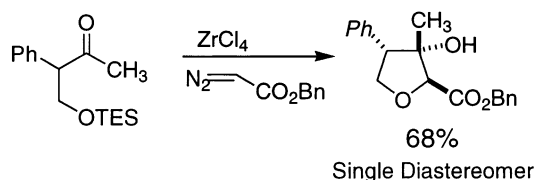
Stereoselective synthesis of tetrahydrofurans: reactions of protected β -hydroxy ketones with benzyl diazoacetate

Tetrahedron Letters 42 (2001) 1819

Steven R. Angle* and Keith Chann

Department of Chemistry, University of California-Riverside, Riverside, CA 92521-0403, USA

The ZrCl_4 catalyzed reaction of protected β -hydroxy ketones with benzyl diazoacetate affords tetrahydrofuran products in good yields.



Citrifolinin A, a new unusual iridoid with inhibition of Activator Protein-1 (AP-1) from the leaves of noni (*Morinda citrifolia* L.)

Tetrahedron Letters 42 (2001) 1823

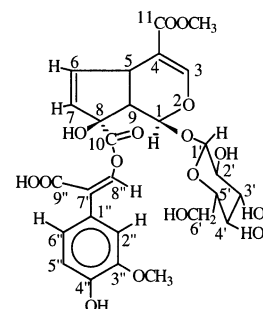
Shengmin Sang,^{a,*} Kan He,^b Guangming Liu,^c Nanqun Zhu,^a Mingfu Wang,^a Jin-woo Jhoo,^a Qunyi Zheng,^b Zigang Dong,^c Geetha Ghai,^a Robert T. Rosen^a and Chi-Tang Ho^a

^a*Department of Food Science and Center for Advanced Food Technology, Rutgers University, 65 Dudley Road, New Brunswick, NJ 08901-8520, USA*

^b*Pure World Botanicals, 375 Huyler Street, South Hackensack, NJ 07606, USA*

^c*Hormel Institute, University of Minnesota, Austin, MN 55912, USA*

A new unusual iridoid, named citrifolinin A, showing significant inhibition of Activator Protein-1 (AP-1) activity, has been isolated from the leaves of *Morinda citrifolia*. Its structure was elucidated based on a detailed high-field 1D and 2D spectral analysis.



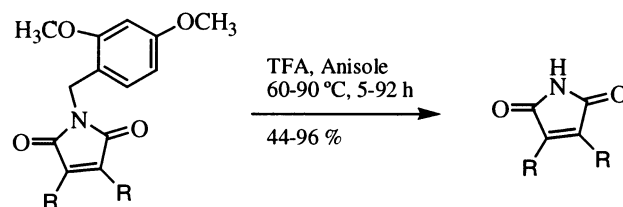
Electronic effects in the acid-promoted deprotection of *N*-2,4-dimethoxybenzyl maleimides

Tetrahedron Letters 42 (2001) 1827

Daniel J. Watson,* Eric D. Dowdy, Wen-Sen Li, Jianji Wang and Richard Polniaszek

Department of Process Research and Development, Bristol-Myers Squibb Pharmaceutical Research Institute, One Squibb Drive, New Brunswick, NJ 08903, USA

Electronic effects exemplified by varying the substitution present on the maleimide resulted in a variation in the rate of the deprotection. In contrast, 2,4-dimethoxybenzylsuccinimides were inert to the conditions.

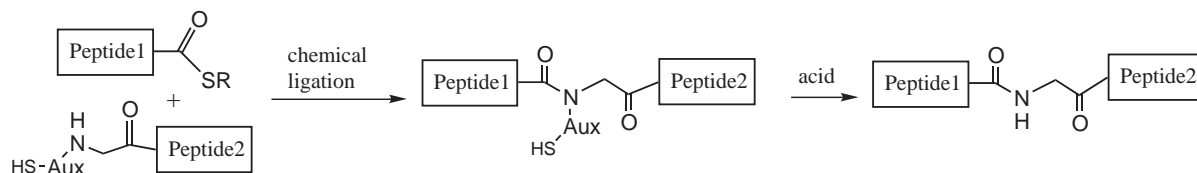


Native chemical ligation using removable N^α -(1-phenyl-2-mercaptoethyl) auxiliaries

Tetrahedron Letters 42 (2001) 1831

Paolo Botti, Michael R. Carrasco and Stephen B. H. Kent*

Gryphon Sciences, 250 E Grand Ave, Suite 90, South San Francisco, CA, 94080, USA

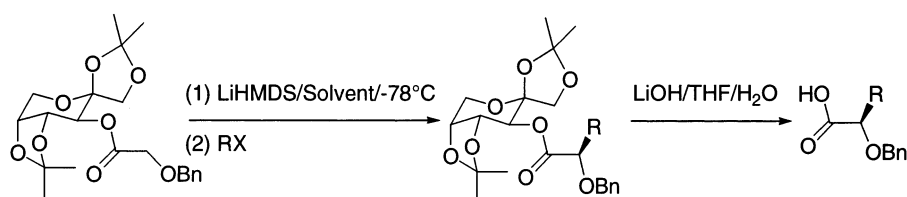


A highly stereoselective entry to α -hydroxy carboxylic acids using D-fructose diacetonide as a chiral auxiliary

Tetrahedron Letters 42 (2001) 1835

Hongwu Yu, C. Eric Ballard and Binghe Wang*

Department of Chemistry, Box 8204, North Carolina State University, Raleigh, NC 27695-8204, USA

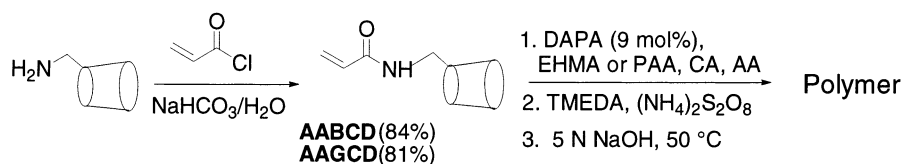


Hydrophilic cholesterol-binding molecular imprinted polymers

Tetrahedron Letters 42 (2001) 1839

Ning Zhong, 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



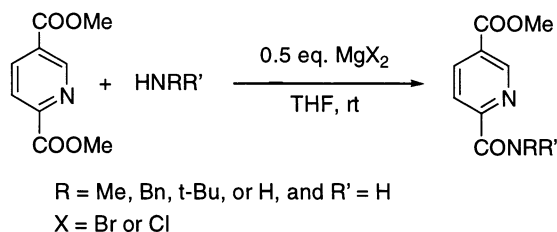
A novel method for the mild and selective amidation of diesters and the amidation of monoesters

Tetrahedron Letters 42 (2001) 1843

Zhenrong Guo,* Eric D. Dowdy, Wen-Sen Li, Richard Polniaszek and Edward Delaney

Process Research and Development, Bristol-Myers Squibb Pharmaceutical Research Institute, New Brunswick, NJ 08903, USA

The selective amidation of diesters, such as dimethyl pyridine-2,5-dicarboxylate with primary and secondary amines mediated by a Lewis acid, such as $MgCl_2$ or $MgBr_2$ under mild conditions gave the corresponding monoamides in high yield.



A general and versatile synthesis of 2-alkyl-4-aminopyridines

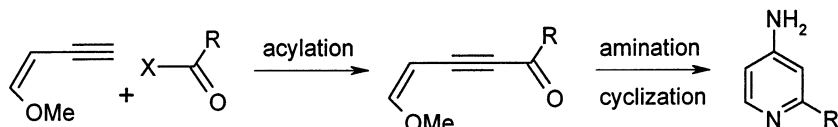
Tetrahedron Letters 42 (2001) 1847

Vidyadhar B. Hegde,^{a,*} James M. Renga^a and John M. Owen^b

^aDiscovery Research, Dow AgroSciences, Dow Venture Center, 9330 Zionsville Road, Indianapolis, IN 46268-1054, USA

^bProcess Research, Dow AgroSciences, Dow Venture Center, 9330 Zionsville Road, Indianapolis, IN 46268-1054, USA

A versatile two-step synthesis of 2-alkyl-4-aminopyridines from commercially available *cis*-1-methoxy-1-buten-3-yne is described. Acylation of the yne derivative followed by amination and cyclization in ammonia produced the desired substituted pyridines in high yield.

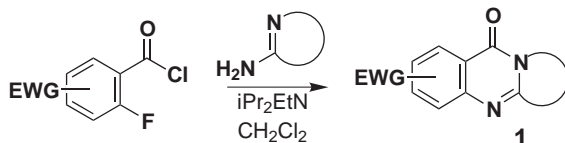


One-step synthesis of 4(3*H*)-quinazolinones

Tetrahedron Letters 42 (2001) 1851

Martin J. Deetz, Jeremiah P. Malerich, Alicia M. Beatty and Bradley D. Smith*

Department of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN 46556-5670, USA

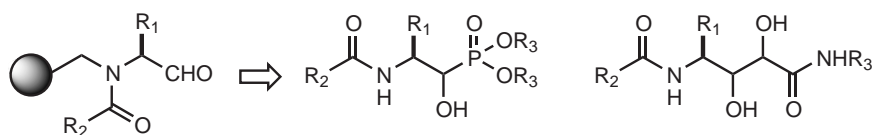


Solid-phase synthesis of α -hydroxy phosphonates and hydroxystatine amides. Transition-state isosteres derived from resin-bound amino acid aldehydes

Tetrahedron Letters 42 (2001) 1855

Roland E. Dolle,* Timothy F. Herpin and Yvonne Class Shimshock

Department of Chemistry, PharmacoPeia, Inc., PO Box 5350, Princeton, NJ 08543-5350, USA



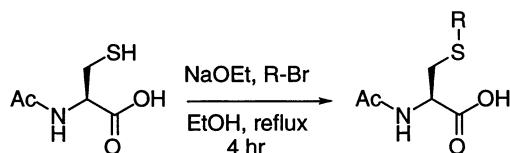
An improved method for cysteine alkylation

Tetrahedron Letters 42 (2001) 1859

David A. Perrey and Fatih M. Uckun*

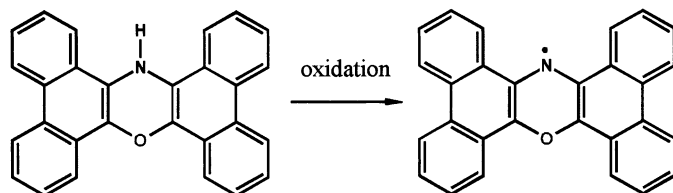
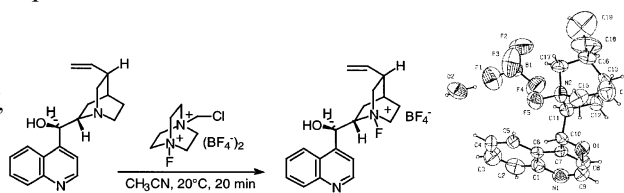
Parker Hughes Cancer Center, Parker Hughes Institute, St. Paul, MN 55113, USA

An improved method for the synthesis of *S*-alkylated cysteine derivatives with branched alkyl chains is reported. These compounds can be obtained in good yield and high purity by refluxing the cysteine thiol with the appropriate alkyl bromide in a solution of sodium ethoxide in ethanol.

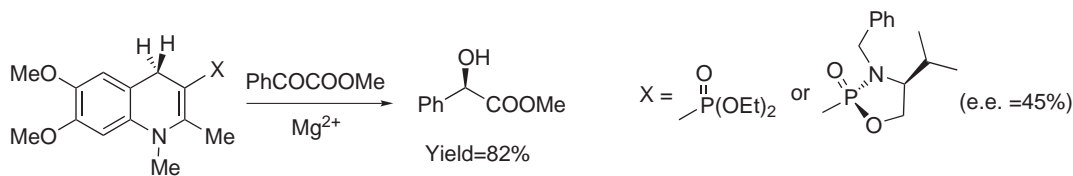


Tetrabenzo[*a,c,h,j*] phenoxazine-18-yl a new stable neutral radical*Tetrahedron Letters 42 (2001) 1863*

Günter E. Jeromin*

Fachhochschule Aachen, Abteilung Jülich, FB 12 Ginsterweg 1, D-52428 Jülich, Germany***N*-Fluorocinchonidinium tetrafluoroborate F-CD-BF₄: purification and structure elucidation of this novel enantioselective electrophilic fluorinating agent***Tetrahedron Letters 42 (2001) 1867*Dominique Cahard,^{a,*} Christophe Audouard,^aJean-Christophe Plaquevent,^a Loïc Toupet^b and Nicolas Roques^c^aUMR 6014 CNRS de l'Institut de Recherche en Chimie Organique Fine (IRCOF), Université de Rouen, F-76821 Mont Saint-Aignan Cedex, France^bGroupe Matière Condensée et Matériaux, UMR au CNRS 6626, Université de Rennes, Bat-A11-Campus de Beaulieu, F-35042 Rennes Cedex, France^cRHODIA Recherches, 85 Avenue des Frères Perret, 69192 Saint-Fons, France**New NADH models bearing a phosphonate or a chiral oxazaphospholidine oxide at the dihydropyridine ring***Tetrahedron Letters 42 (2001) 1871*

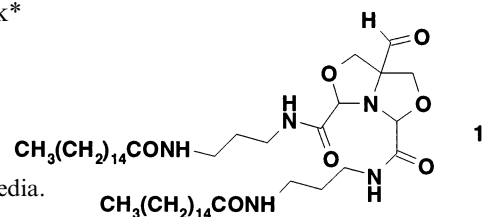
Jean-Luc Vasse, Sophie Goumain, Vincent Levacher,* Georges Dupas, Guy Quéguiner and Jean Bourguignon

Laboratoire de Chimie Organique Fine et Hétérocyclique associé au CNRS, IRCOF-INSA, rue Tenières BP 08, F-76131 Mont Saint Aignan Cedex, France**Synthesis of an amphiphilic aldehyde using as a key step the condensation of a lipophilic glyoxylic acid amide derivative with tris(hydroxymethyl)aminomethane***Tetrahedron Letters 42 (2001) 1875*

Dominique Bonnet, Pascal Joly, Hélène Gras-Masse and Oleg Melnyk*

UMR 8525, CNRS, Institut Pasteur de Lille, Université de Lille 2, Institut de Biologie de Lille, 1 rue du Pr Calmette, 59021 Lille Cedex, France

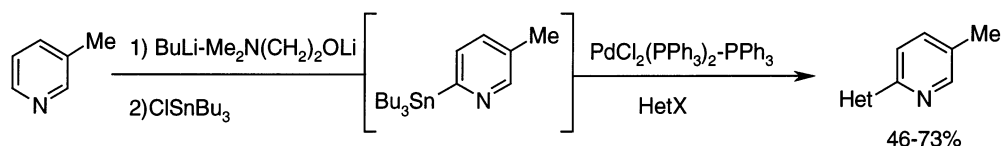
Spontaneous condensation of a glyoxylic acid amide derivative incorporating a palmitoyl group with tris(hydroxymethyl)aminomethane followed by Dess–Martin oxidation led to an heterocyclic amphiphilic aldehyde, which was successfully engaged in hydrazone formation in partial aqueous media.



Tetrahedron Letters 42 (2001) 1879

Julien Mathieu, Philippe Gros and Yves Fort*

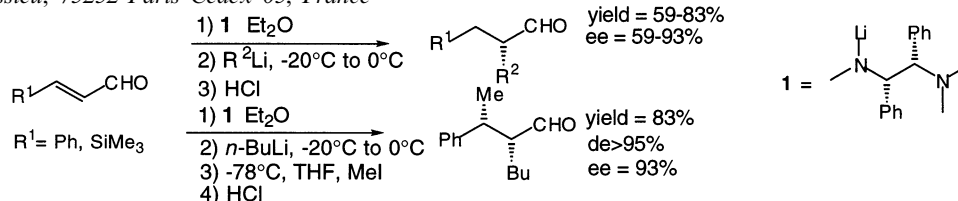
Faculté des Sciences, Synthèse Organique et Réactivité, UMR CNRS-UHP 7565, Université Henri Poincaré-Nancy I, BP 239, 54506 Vandoeuvre-Les-Nancy, France



Tetrahedron Letters 42 (2001) 1883

Nathalie Brémand, Pierre Mangeney and Jean F. Normant*

*Laboratoire de Chimie des Organo-éléments, associé au CNRS, Université P. & M. Curie, Tour 44-45, Boîte 183,
4 Place Jussieu, 75252 Paris Cedex 05, France*

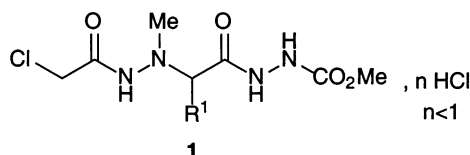


Tetrahedron Letters 42 (2001) 1887

Annie Carré, Philippe Le Grel and Michèle Baudy-Floc'h*

Laboratoire de Synthèse et Electrosynthèse Organiques, UMR CNRS 6510, Université de Rennes I, Campus de Beaulieu, F-35042 Rennes, France

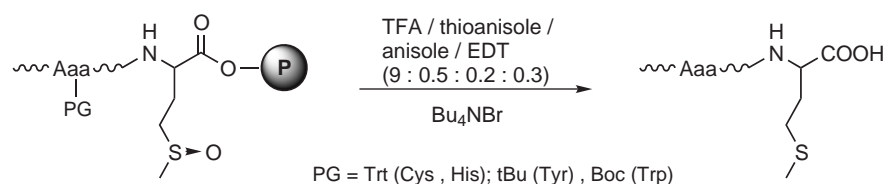
In the presence of a small amount of HCl, hydrazinoazadipeptides **1** form thermoreversible physical gels with aromatic solvents. These gels are stable to 70–90°C, and can be stored for months. Electron microscopy reveals that in these solvents pseudopeptides self-assemble into elongated and very thin fibers, which in turn form a three-dimensional network in the solvent.



Tetrahedron Letters 42 (2001) 1891

Lorena Taboada, Ernesto Nicolás* and Ernest Giralt*

Departament de Química Orgànica, Universitat de Barcelona, 08028 Barcelona, Spain

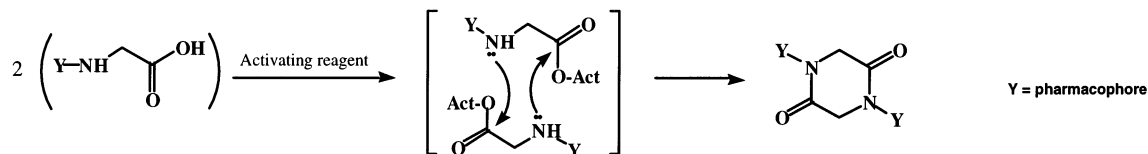


New general strategy of dimerization of bioactive molecules

Tetrahedron Letters 42 (2001) 1895

Matthieu Giraud, Nicole Bernad, Jean Martinez and Florine Cavelier*

Laboratoire des Aminoacides, Peptides et Protéines, UMR-CNRS 5810, Universités Montpellier I et II, 34095 Montpellier Cédex 05, France



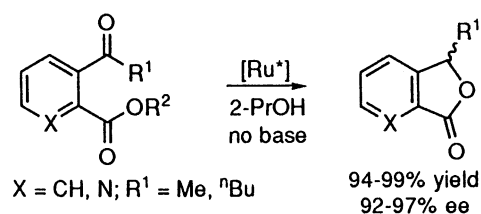
Stereoselective synthesis of 3-substituted phthalides via asymmetric transfer hydrogenation using well-defined ruthenium catalysts under neutral conditions

Tetrahedron Letters 42 (2001) 1899

Kathelyne Everaere, Jean-Luc Scheffler, André Mortreux and Jean-François Carpentier*

Laboratoire de Catalyse de Lille associé au CNRS, Groupe de Chimie Organique Appliquée, Ecole Nationale Supérieure de Chimie de Lille, BP 108-59652 Villeneuve d'Ascq, France

Alkyl 2-acylarylbenzoates are transformed in pure 2-propanol into corresponding 3-alkyl-phthalides in high yields and enantiomeric excesses by using preformed Ru-{diamido} or Ru-{alkoxy-amido} catalysts.

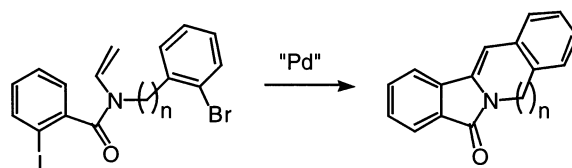


Synthesis of fused rings at a pivotal nitrogen: tandem Heck reactions of N-vinyl-2-iodobenzamides

Tetrahedron Letters 42 (2001) 1903

Alberto García, David Rodríguez, Luis Castedo, Carlos Saá and Domingo Domínguez*

Departamento de Química Orgánica y Unidad Asociada al CSIC, Facultad de Química, Universidad de Santiago de Compostela, 15706 Santiago de Compostela, Spain



Total synthesis of luzopeptin C

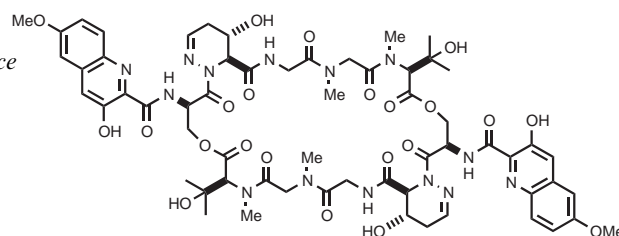
Tetrahedron Letters 42 (2001) 1907

Delphine Valognes,^a Philippe Belmont,^a Ning Xi^b and Marco A. Ciufolini^{a,b,*}

^a*Laboratoire de Synthèse et Méthodologie Organiques (LSMO), UMR CNRS 5078, Université Claude Bernard Lyon 1 et Ecole Supérieure de Chimie, Physique, Electronique de Lyon, 43, Boulevard du 11 Novembre 1918, 69622 Villeurbanne cedex, France*

^b*Department of Chemistry, Rice University, 6100 Main Street, Houston, TX 77005, USA*

The total synthesis of luzopeptin C has been achieved by self-assembly of the 32-membered ring via spontaneous macrocyclodimerization of a pentapeptide monomer.



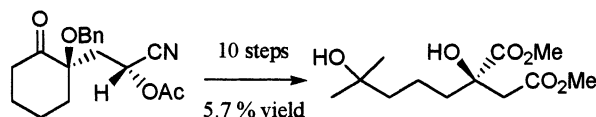
Enantioselective synthesis of the ester side chain of homoharringtonine

Tetrahedron Letters 42 (2001) 1911

Laurent Keller, Françoise Dumas* and Jean d'Angelo*

Unité Associée au CNRS, Centre d'Etudes Pharmaceutiques, Université de Paris Sud, 5, rue J.-B. Clément, 92296 Châtenay-Malabry, France

The enantiopure methyl ester derivative of the side chain of homoharringtonine, in the natural *R* configuration, was synthesized from a Michael adduct in ten steps with an overall yield of 5.7 %.

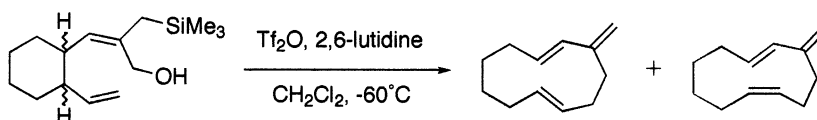


Synthesis of eleven-membered carbocycles by a new five-carbon ring expansion reaction

Tetrahedron Letters 42 (2001) 1915

Hideyuki Suzuki, Akiko Monda and Chiaki Kuroda*

Department of Chemistry, Rikkyo University, Nishi-Ikebukuro, Toshima-ku, Tokyo 171-8501, Japan



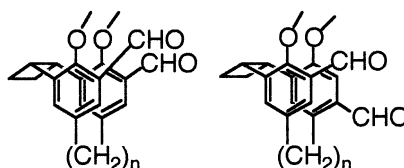
The formylation of *syn*-[2.*n*]metacyclophanes and application to multi-bridged cyclophane synthesis

Tetrahedron Letters 42 (2001) 1919

Yukihiro Okada, Masatoshi Kaneko and Jun Nishimura*

Department of Chemistry, Gunma University, Tenjin-cho, Kiryu 376-8515, Japan

Dimethoxy[2.*n*]metacyclophanes (*n* = 2–5) were formylated to produce pseudo-*ipso* and/or pseudo-*ortho* dialdehydes. The formyl group was transformed to a cinnamyl group to furnish multi-bridged cyclophanes.



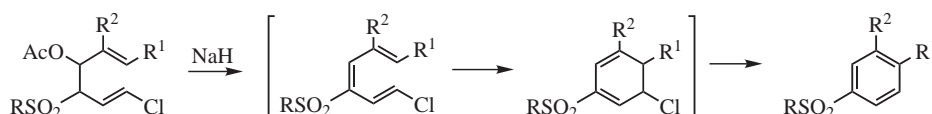
A novel method for the construction of a benzene ring: a facile ring-closing reaction of (1*E*,3*E*,5*E*)-1-chloro-3-(*p*-tolylsulfonyl)-1,3,5-alkatrienes

Tetrahedron Letters 42 (2001) 1923

Katsuyuki Ogura,^{a,*} Mineko Takeda,^b Jian R. Xie,^a Motohiro Akazome^a and Shoji Matsumoto^a

^a*Department of Materials Technology, Faculty of Engineering, Chiba University, 1-33 Yayoicho, Inageku, Chiba 263-8522, Japan*

^b*Graduate School of Science and Technology, Chiba University, 1-33 Yayoicho, Inageku, Chiba 263-8522, Japan*

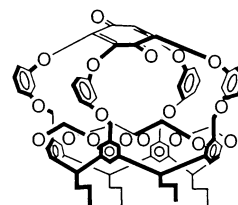


Versatile cavitands for small molecules: the entropically driven ethanol selectivity

Kyungsoo Paek* and Jooyeon Cho

Molecular Engineering Research Lab., Department of Chemistry, Soongsil University, Seoul 156-743, South Korea

Two new C_{2v} cavitands based on resorcin[4]arene and having *p*-benzoquinone or *p*-dicyanobenzene caps bind seven small molecules at room temperature. Their carceroisomerism was observed by ^1H NMR spectra and the quinone-capped cavitand's complexation of ethanol was driven entropically.



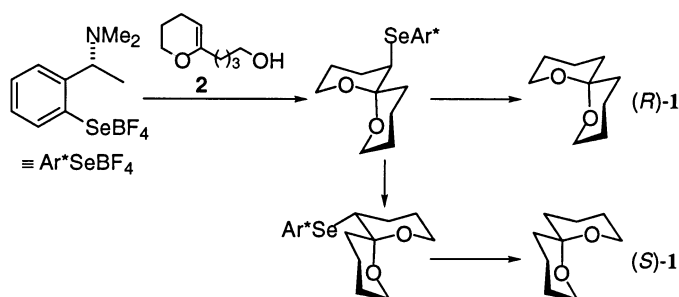
Tetrahedron Letters 42 (2001) 1927

A simple enantioselective synthesis of (*R*)- and (*S*)-1,7-dioxaspiro[5.5]undecane via intramolecular asymmetric oxyselenenylation: a new route to optically active spiroketals

Masahiko Uchiyama,* Masako Oka, Satohide Harai and Akihiro Ohta

School of Pharmacy, Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan

Both enantiomers of 1,7-dioxaspiro[5.5]undecane (**1**) have been synthesized by using the intramolecular asymmetric oxyselenenylation of **2** as the key step.



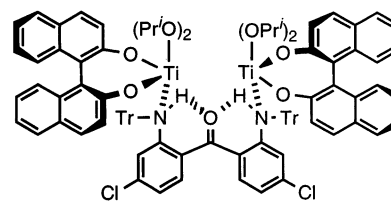
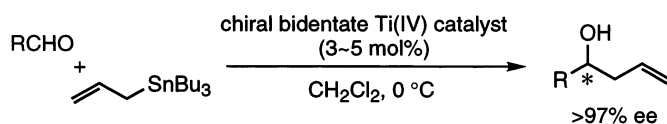
Tetrahedron Letters 42 (2001) 1931

Practical approach for catalytic asymmetric allylation of aldehydes with a chiral bidentate titanium(IV) complex

Satoshi Kii^{a,b} and Keiji Maruoka^{a,b,*}

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

^bDepartment of Chemistry, Graduate School of Science, Hokkaido University, Sapporo 060-0810, Japan



Tetrahedron Letters 42 (2001) 1935

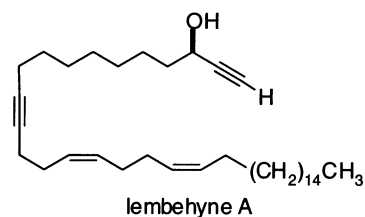
Total synthesis of lembhehne A, a neuritogenic spongean polyacetylene

Nobutoshi Murakami, Tatsuo Nakajima and Motomasa Kobayashi*

Graduate School of Pharmaceutical Sciences, Osaka University, 1-6 Yamada-oka, Suita, Osaka 565-0871, Japan

The first total synthesis of lembhehne A, a neuritogenic polyacetylene from a marine sponge *Haliclona* sp., was achieved by utilizing alkyne formation with dimethyldiazoacryloylphosphonate and asymmetric reduction with Alpine-borane as the key reactions.

Tetrahedron Letters 42 (2001) 1941



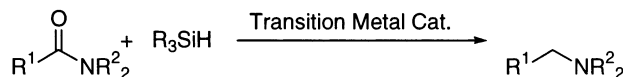
Transition-metal complex-catalyzed reduction of amides with hydrosilanes: a facile transformation of amides to amines

Tetrahedron Letters 42 (2001) 1945

Mamoru Igarashi and Takamasa Fuchikami*

Sagami Chemical Research Center, 4-4-1 Nishi-Ohnuma, Sagami-hara, Kanagawa 229-0012, Japan

Reduction of amides with hydrosilanes takes place in the presence of transition-metal catalysts to afford the corresponding amines in moderate to good yields.



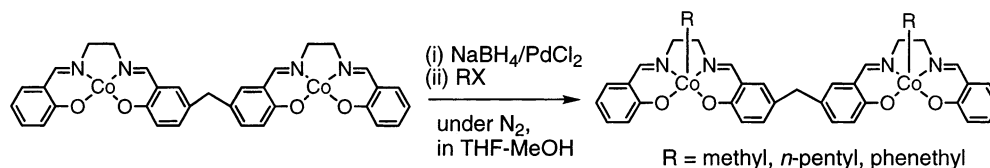
Synthesis and redox behavior of dialkylated dicobalt complexes having two discrete salen units

Tetrahedron Letters 42 (2001) 1949

Hisashi Shimakoshi,^a Akihiro Goto,^a Yoshimitsu Tachi,^b Yoshinori Naruta^b and Yoshio Hisaeda^{a,*}

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

^b*Institute for Fundamental Research in Organic Chemistry, Kyushu University, Fukuoka 812-8581, Japan*

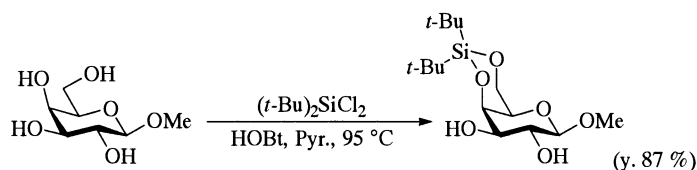


Cyclic di-*t*-butylsilylenediyl ether group as a convenient protective group for the glycoconjugate synthesis

Tetrahedron Letters 42 (2001) 1953

Daijyu Kumagai, Masaki Miyazaki and Shin-Ichiro Nishimura*

Laboratory for Bio-Macromolecular Chemistry, Division of Biological Sciences, Graduate School of Science, Hokkaido University, Sapporo 060-0810, Japan

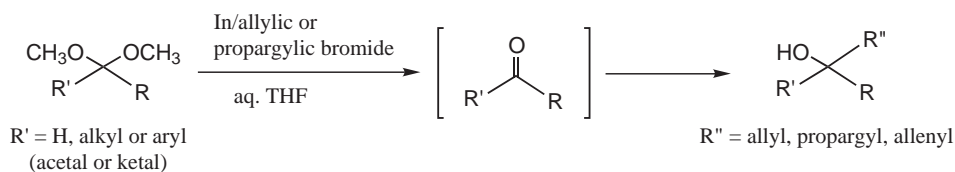


Indium mediated allylation and propargylation reactions of dimethyl acetals and ketals

Tetrahedron Letters 42 (2001) 1957

Jin Sun Kwon, Ae Nim Pae, Kyung Il Choi, Hun Yeong Koh, Youseung Kim and Yong Seo Cho*

Biochemicals Research Center, Korea Institute of Science and Technology, PO Box 131, Cheongryang, Seoul 130-650, South Korea

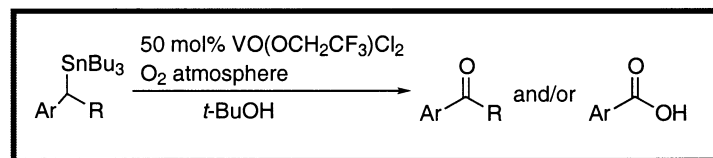


Oxidation of benzyltins by oxovanadium(V) compound and molecular oxygen

Tetrahedron Letters 42 (2001) 1961

Toshikazu Hirao,* Chihiro Morimoto, Takashi Takada and Hidehiro Sakurai

Department of Applied Chemistry, Faculty of Engineering, Osaka University, Yamada-oka, Suita, Osaka 565-0871, Japan



Wondonins A and B, new bis(dihydroxystyryl)imidazoles from a two-sponge association

Tetrahedron Letters 42 (2001) 1965

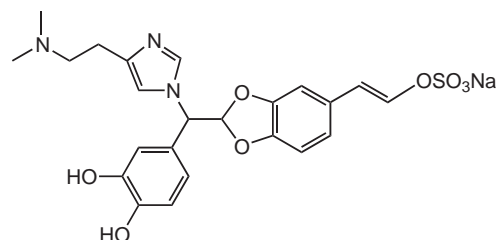
Jongheon Shin,^{a,*} Jung-Rae Rho,^a Youngwan Seo,^a Hyi-Seung Lee,^a Ki Woong Cho,^a Ho Jeong Kwon^b and Chung J. Sim^c

^aMarine Natural Products Laboratory, Korea Ocean Research & Development Institute, Ansan PO Box 29, Seoul 425-600, South Korea

^bDepartment of Bioscience and Biotechnology, Institute of Bioscience, Sejong University, Seoul 143-747, South Korea

^cDepartment of Biology, Hannam University, Taejeon 306-791, South Korea

Two alkaloids of a new structural class have been isolated from an association of the sponges *Poecillastra wondoensis* and *Jaspis* sp. These compounds exhibited antiangiogenic activity.

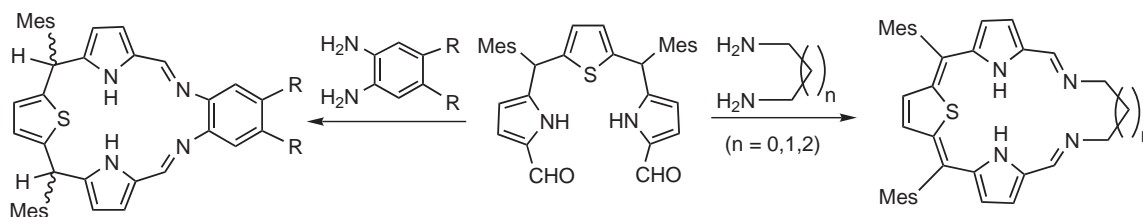


Thiophene-containing Schiff-base macrocycles: intermediate compounds between macroaromatics and azamacrocycles

Tetrahedron Letters 42 (2001) 1969

Dong-Hoon Won and Chang-Hee Lee*

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



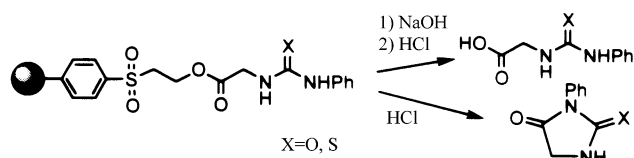
2-Polystyrylsulfonyl ethanol supports for the solid-phase syntheses of hydantoins and ureas

Tetrahedron Letters 42 (2001) 1973

Wenqiang Huang,* Shaoling Cheng and Weimin Sun

The State Key Laboratory of Functional Polymer Materials for Adsorption and Separation, Institute of Polymer Chemistry, Nankai University, Tianjin 300071, PR China

Polymer-supported urea derivatives were treated with 6N HCl to form hydantoins, while reaction of the same resins with 4N NaOH then HCl yielded urea derivatives.



Parallel modification of tropane alkaloids

Tetrahedron Letters 42 (2001) 1975

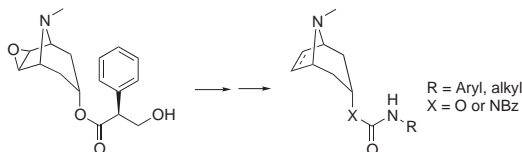
Nicholas S. Aberle,^a A. Ganesan,^b John N. Lambert,^{a,*} Simon Saubern^c and Reg Smith^d

^a*School of Chemistry, The University of Melbourne, Parkville 3010, Australia*

^b*Department of Chemistry, University of Southampton, Southampton SO17 1BJ, UK*

^c*CSIRO Molecular Science, Bag 10, Clayton South 3169, Australia*

^d*Phytex Australia Pty Ltd, 6 Norman St., Peakhurst 2210, Australia*

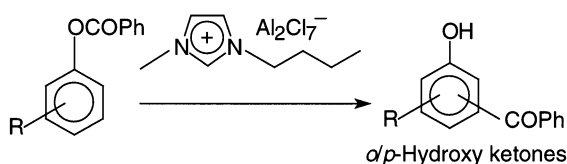


Fries rearrangement in ionic melts

Tetrahedron Letters 42 (2001) 1979

Jitendra R. Harjani, Susheel J. Nara and Manikrao M. Salunkhe*

Department of Chemistry, The Institute of Science, 15 Madam Cama Road, Mumbai 400 032, India



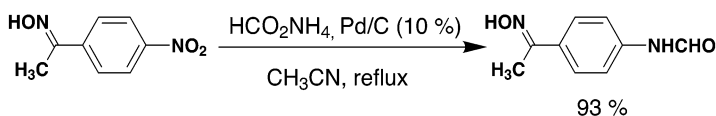
Direct conversion of aryl nitro compounds to formanilides under catalytic transfer hydrogenation conditions

Tetrahedron Letters 42 (2001) 1983

T. V. Pratap and S. Baskaran*

Department of Chemistry, Indian Institute of Technology Madras, Chennai 600 036, India

Aryl nitro compounds are selectively converted to corresponding *N*-formyl compounds under CTH conditions in one pot (nine examples).

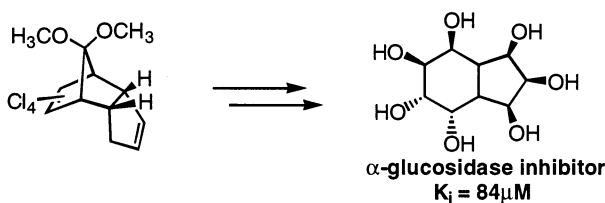


Polycyclitols: synthesis of novel carbasugar and conduritol analogues as potential glycosidase inhibitors

Tetrahedron Letters 42 (2001) 1987

Goverdhan Mehta* and Senaiar S. Ramesh

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

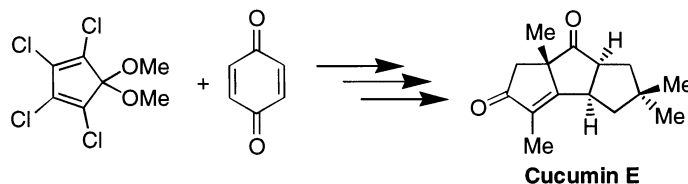


A stereoselective total synthesis of the novel triquinane sesquiterpene cucumin E

Tetrahedron Letters 42 (2001) 1991

Goverdhan Mehta* and Jayant D. Umarye

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

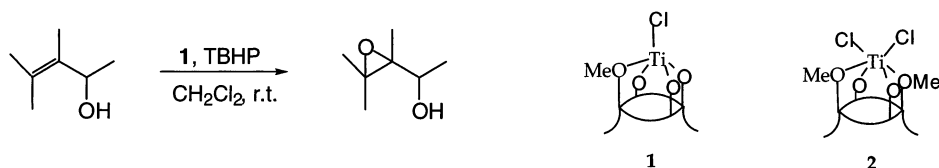


Critical importance of molecular sieves in titanium(IV)–calix[4]arene catalyzed epoxidation of allylic alcohols

Tetrahedron Letters 42 (2001) 1995

Antonio Massa, Antonietta D'Ambrosi, Antonio Proto and Arrigo Scettri*

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



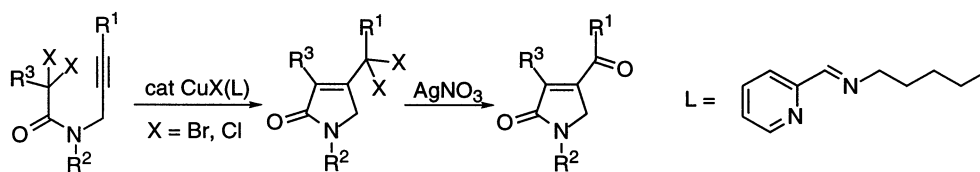
5-*exo* Atom transfer cyclisation onto alkynes mediated by copper(I) complexes

Tetrahedron Letters 42 (2001) 1999

Andrew J. Clark,^{a,*} Gary M. Battle^a and Andrew Bridge^b

^a*Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK*

^b*Aventis Pharma Ltd, Rainham Road South, Dagenham, Essex RM10 7XS, UK*



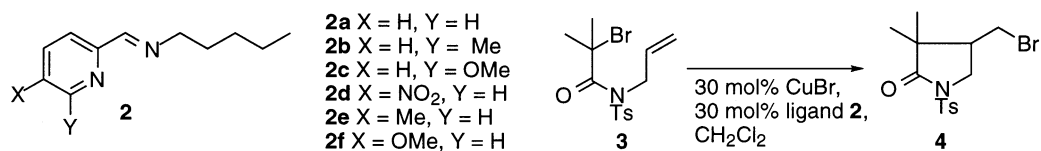
Ligand electronic effects on rates of copper mediated atom transfer radical cyclisation and polymerisation

Tetrahedron Letters 42 (2001) 2003

Andrew J. Clark,^{a,*} Gary M. Battle,^a Alex M. Heming,^a David M. Haddleton^a and Andrew Bridge^b

^a*Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK*

^b*Aventis Pharma Ltd, Rainham Road South, Dagenham, Essex RM10 7XS, UK*



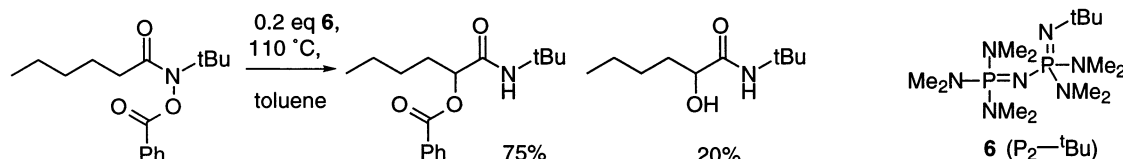
Rearrangement of unactivated *N*-alkyl-*O*-benzoyl hydroxamic acid derivatives with phosphazene bases

Tetrahedron Letters 42 (2001) 2007

Andrew J. Clark,^{a,*} Yassair S. S. Al-Faiyz,^a Divya Patel^a and Michael J. Broadhurst^b

^aChemistry Department, University of Warwick, Coventry, CV4 7AL, UK

^bRoche Discovery Welwyn, Welwyn Garden City, Hertfordshire AL7 3AY, UK

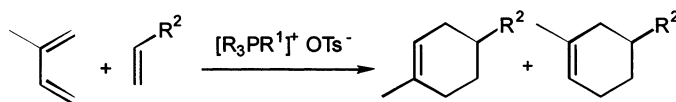


Phosphonium tosylates as solvents for the Diels–Alder reaction

Tetrahedron Letters 42 (2001) 2011

Petra Ludley and Nazira Karodia*

Department of Chemical and Forensic Sciences, University of Bradford, Bradford BD7 1DP, UK



Palladium on pumice: new catalysts for the stereoselective semihydrogenation of alkynes to (*Z*)-alkenes

Tetrahedron Letters 42 (2001) 2015

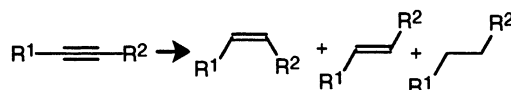
Michelangelo Gruttadauria,^{a,*} Leonarda F. Liotta,^b Renato Noto^a and Giulio Deganello^{b,c}

^aDipartimento di Chimica Organica 'E. Paternò', Viale delle Scienze, Parco d'Orleans II, 90128 Palermo, Italy

^bIstituto di Chimica e Tecnologia dei Prodotti Naturali (ICTPN-CNR), via Ugo La Malfa 153, 90146 Palermo, Italy

^cDipartimento di Chimica Inorganica, Viale delle Scienze, Parco d'Orleans II, 90128 Palermo, Italy

High selectivities (93–99%) and excellent stereoselectivities (>99%) in the semihydrogenation of C–C triple bonds were achieved using Pd on pumice with a metal loading of 0.5, 1.5 or 3.0% wt as catalyst.



An efficient stereoselective synthesis of (2*S*,4*S*,5*R*)-(–)-bulgecinine

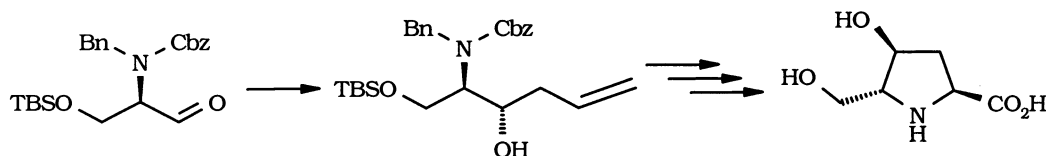
Tetrahedron Letters 42 (2001) 2019

Antoni Krasinski^a and Janusz Jurczak^{a,b,*}

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

^bDepartment of Chemistry, University of Warsaw, 02-093 Warsaw, Poland

N-Bn-*N*-Cbz-*O*-TBS-D-serinal was reacted under Barbier conditions with allyl bromide affording diastereoselectively the *anti*-adduct, which was subsequently transformed into (2*S*,4*S*,5*R*)-(–)-bulgecinine.



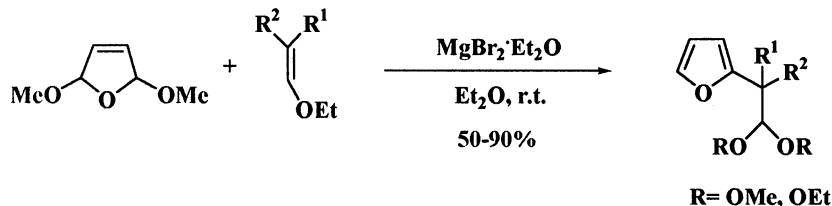
2,5-Dimethoxy-2,5-dihydrofuran and vinyl ethers in the synthesis of functionalised 2-alkylfurans

Tetrahedron Letters 42 (2001) 2023

Corrado Malanga* and Serena Mannucci

Dipartimento di Chimica e Chimica Industriale, via Risorgimento 35, 56126 Pisa, Italy

2,5-Dimethoxy-2,5-dihydrofuran reacts in the presence of a catalytic amount of $\text{MgBr}_2 \cdot \text{Et}_2\text{O}$ with the appropriate vinyl ether, to gain functionalised 2-alkylfurans.



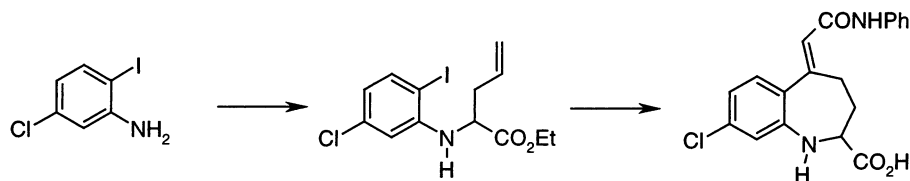
Versatile assembly of the 2-carboxybenzo[b]azepine ring system

Tetrahedron Letters 42 (2001) 2027

Simone A. Giacobbe and Romano Di Fabio*

GlaxoWellcome S.p.A., Medicines Research Center, Via Fleming 4, I-37135 Verona, Italy

A novel 2-carboxybenzo[b]azepine derivative has been synthesized via an *N*-aryl allylglycine, efficiently prepared from the starting aniline derivative, through a suitable elaboration of the terminal double bond



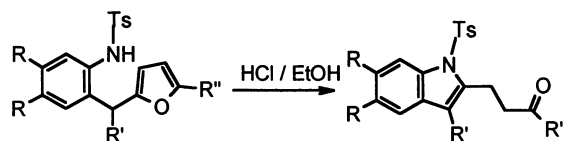
Furan ring opening—indole ring closure: a new modification of the Reissert reaction for indole synthesis

Tetrahedron Letters 42 (2001) 2031

Alexander V. Butin,* Tat'yana A. Stroganova, Irina V. Lodina and Gennady D. Krapivin

Kuban State Technological University, Moskovskaya st. 2, Krasnodar 350072, Russia

A new modification of the Reissert reaction is reported. On treatment of 2-tosylaminobenzylfurans with ethanolic HCl some indole derivatives have been obtained. The furan ring served as the origin of a carbonyl group in this reaction.

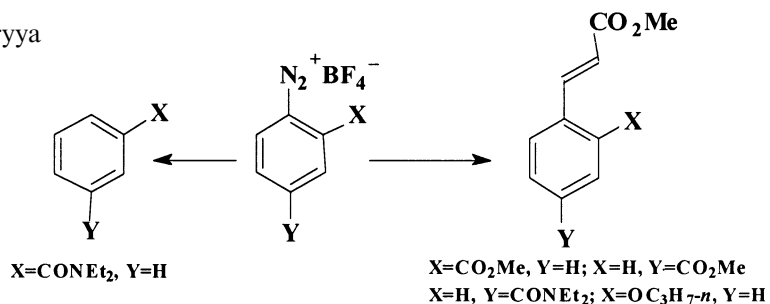


Heck reactions of *ortho*-substituted arenediazonium salts: critical observations on electronic effects

Tetrahedron Letters 42 (2001) 2035

Saumitra Sengupta* and Sanchita Bhattacharyya

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



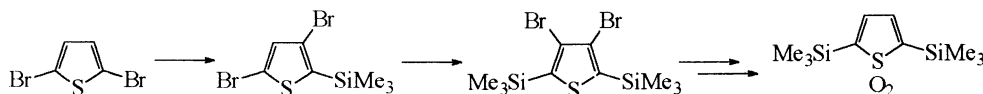
Regiospecific silylation of 2,5-dibromothiophene: a reinvestigation

Tetrahedron Letters 42 (2001) 2039

Edmunds Lukevics,* Pavel Arsenyan, Sergey Belyakov, Juris Popelis and Olga Pudova

Latvian Institute of Organic Synthesis, Aizkraukles 21, Riga LV-1006, Latvia

Lithiation of 2,5-dibromothiophene by LDA followed by silylation proceeds regiospecifically in accordance with the halogen dance mechanism to yield 3,5-dibromo-2-trimethylsilylthiophene or 3,4-dibromo-2,5-bis(trimethylsilyl)thiophene depending on the ratio of reagents.

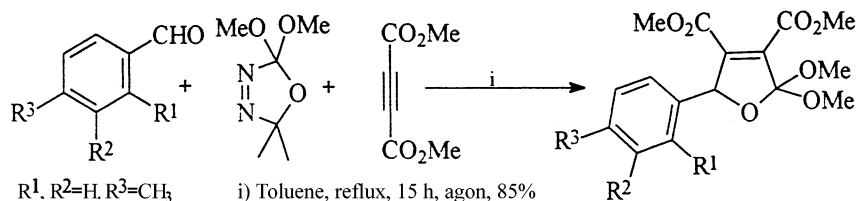


A novel multicomponent reaction of dimethoxycarbene and DMAD with aldehydes and quinones: facile synthesis of dihydrofuran derivatives

Tetrahedron Letters 42 (2001) 2043

Vijay Nair,* S. Bindu and Lakshmi Balagopal

Organic Chemistry Division, Regional Research Laboratory (CSIR), Trivandrum 695019, India



Dipolar cycloaddition of carbonyl ylides to *para*-quinoneimides: a facile route to bicyclo[3.2.1] and [2.2.1] systems

Tetrahedron Letters 42 (2001) 2045

Vijay Nair,* C. Rajesh, R. Dhanya and A. U. Vinod

Organic Chemistry Division, Regional Research Laboratory, CSIR, Trivandrum 695 019, India

Five- and six-membered carbonyl ylides formed from rhodium carbenoids add to *p*-quinoneimides to afford bicyclic compounds in good yields.

