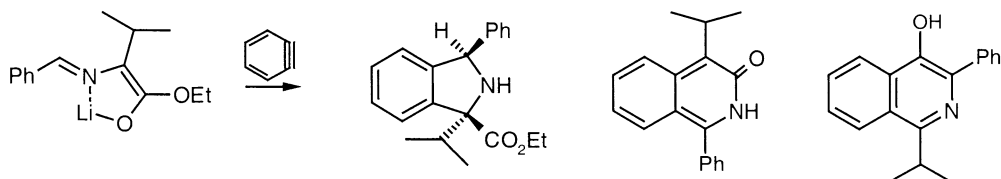


Competitive 3+2 and 2+2 cycloadditions of ester stabilized azaallyl anions to benzyne. Ring expansion of initial 3+2 products to isoquinolin-3-ones

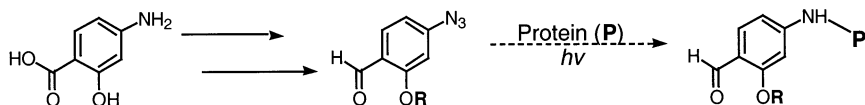
Tetrahedron Letters 42 (2001) 2245

Helmi Hussain, Ebrahim Kianmehr and Tony Durst*

Department of Chemistry, University of Ottawa, Ottawa, Canada K1N 6N5


An efficient synthesis of a class of heterobifunctional photo-reactive crosslinkers, labels, and probes

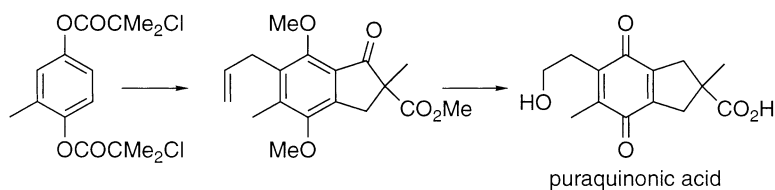
Tetrahedron Letters 42 (2001) 2249

 Kyle W. Gano, Harold G. Monbouquette^b and David C. Myles^{a,*}
^a*Department of Chemistry and Biochemistry, University of California, Los Angeles, CA 90095-1569, USA*
^b*Department of Chemical Engineering, University of California, Los Angeles, CA 90095-1592, USA*


A synthesis of puraquinonic acid

Tetrahedron Letters 42 (2001) 2253

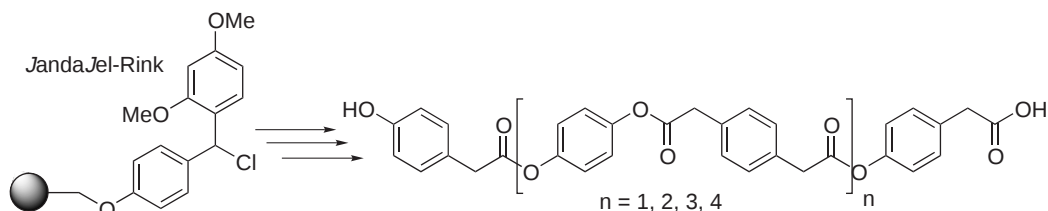
Soleiman Hisaindee and Derrick L. J. Clive*

Chemistry Department, University of Alberta, Edmonton, Alberta, Canada T6G 2G2


Solid-phase synthesis of oligoesters using a JandaJel™ resin

Tetrahedron Letters 42 (2001) 2257

Oliver Brümmer, Bruce Clapham and Kim D. Janda*

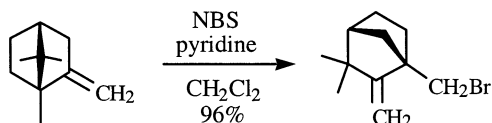
Department of Chemistry, The Scripps Research Institute and The Skaggs Institute for Chemical Biology, 10550 N. Torrey Pines Road, La Jolla, CA 92037, USA


Rearrangement of methylenecamphor during electrophilic bromination: remarkably clean access to the unnatural fenchyl (1,3,3-trimethylbicyclo[2.2.1]heptane) system

Tetrahedron Letters 42 (2001) 2261

Allen A. Thomas, Keith A. Monk, Sonia Abraham, Stella Lee and Charles M. Garner*

Department of Chemistry, Baylor University, Waco, TX 76798, USA

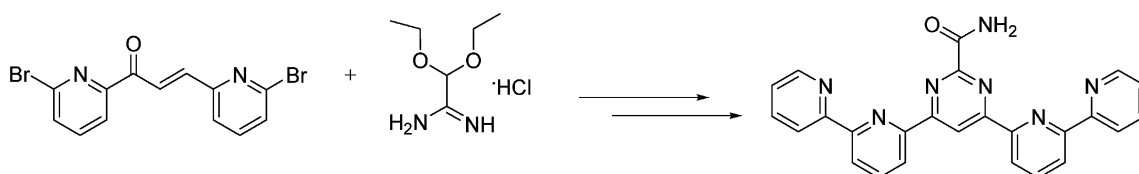


Synthesis of pyrimidine based metal ligands

Tetrahedron Letters 42 (2001) 2265

Paul D. Jones and Timothy E. Glass*

The Pennsylvania State University, University Park, PA 16802, USA

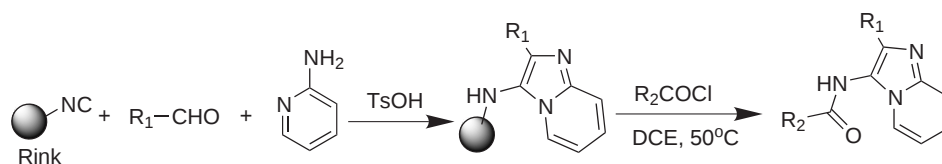


Universal Rink-isonitrile resin: application for the traceless synthesis of 3-acylamino imidazo[1,2-a]pyridines

Tetrahedron Letters 42 (2001) 2269

Jack J. Chen,* Adam Golebiowski, Joel McClenaghan, Sean R. Klopfenstein and Laura West

Combinatorial Chemistry Group, Procter & Gamble Pharmaceuticals, 8700 Mason-Montgomery Road, Mason, OH 45040, USA



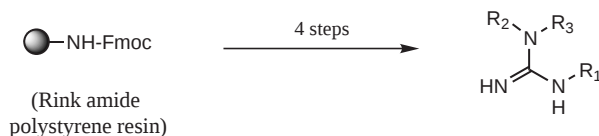
A simple solid-phase synthesis of disubstituted guanidines using Rink amide resin as an amine component

Tetrahedron Letters 42 (2001) 2273

Min Li,* Lawrence J. Wilson and David E. Portlock

Procter & Gamble Pharmaceuticals, Health Care Research Center, 8700 Mason-Montgomery Road, Mason, OH 45040, USA

A practical solid-phase synthesis that simply uses Rink amide resin as an amine component in reacting with aromatic isothiocyanates and aliphatic amines to generate disubstituted guanidines is described.

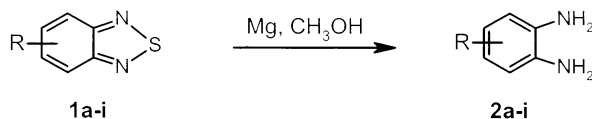


A practical method for the reduction of 2,1,3-benzothiadiazoles to 1,2-benzenediamines with magnesium and methanol

Tetrahedron Letters 42 (2001) 2277

Mahavir Prashad,* Yugang Liu and Oljan Repič

Process Research and Development, Chemical and Analytical Development, Novartis Institute for Biomedical Research, 59 Route 10, East Hanover, NJ 07936, USA



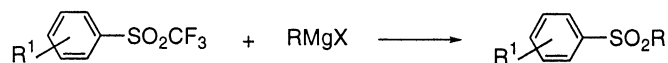
A novel method for the synthesis of aryl sulfones

Tetrahedron Letters 42 (2001) 2281

Ruo W. Steensma,* Sharen Galabi, Jayaram R. Tagat and Stuart W. McCombie

Chemical Research, Schering-Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ 07033, USA

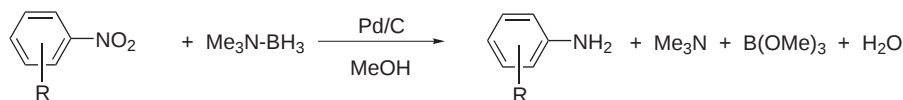
The reactions of aryl trifluoromethyl sulfones with Grignard reagents afforded new sulfones in good to high yields.



Palladium catalyzed activation of borane–amine adducts: rate enhancement of amine–borane methanolysis in the reduction of nitrobenzenes to anilines

Tetrahedron Letters 42 (2001) 2285

Michel Couturier,* John L. Tucker, Brian M. Andresen, Pascal Dubé, Steven J. Brenek and Joanna T. Negri
Chemical Research and Development, Pfizer Global Research and Development, Eastern Point Road, PO Box 8013, Groton, CT 06340-8013, USA



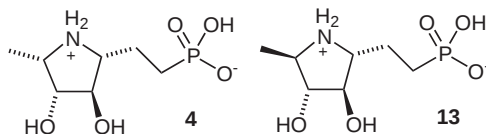
Chemical-enzymatic synthesis of azasugar phosphonic acids as glycosyl phosphate surrogates

Tetrahedron Letters 42 (2001) 2289

Matthias Schuster,* Wei-Fang He and Siegfried Blechert*

Institut für Organische Chemie, Technische Universität Berlin, Strasse des 17 Juni 135, D-10623 Berlin, Germany

Two stereoisomeric phosphonylated dihydroxypyrrolidines representing minimal analogues of the fucosyltransferase transition state were synthesized enantioselectively employing a combination of enzymatic and transition-metal-mediated methods.

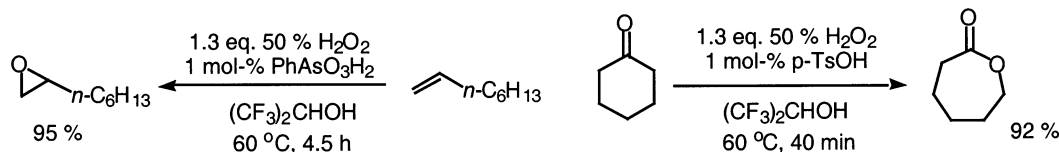


Efficient catalytic methods for the Baeyer–Villiger oxidation and epoxidation with hydrogen peroxide

Tetrahedron Letters 42 (2001) 2293

Albrecht Berkessel* and Marc R. M. Andreae

Institut für Organische Chemie der Universität zu Köln, Greinstraße 4, D-50939 Cologne, Germany



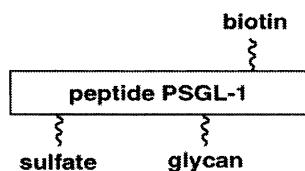
Synthesis of biotinylated glycosulfopeptides by chemoselective ligation

Tetrahedron Letters 42 (2001) 2297

Patricia Durieux, Jimena Fernandez-Carneado and Gabriele Tuchscherer*

Institute of Organic Chemistry, University of Lausanne, CH-1015 Lausanne, Switzerland

A novel chemical approach to peptide conjugates mimicking proteinogenic post-translational modifications as potential inhibitors of cell adhesion is described.



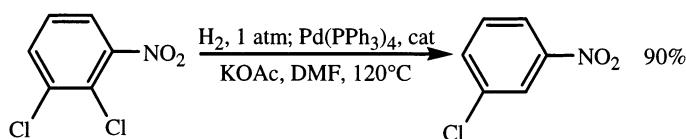
Regioselective dechlorination of 2,3-dichloronitrobenzene into 3-chloronitrobenzene and regioselective dechlorination–hydrogenation into 3-chloroaniline

Tetrahedron Letters 42 (2001) 2301

Ariane Angeloff,^a Jean-Jacques Brunet,^{a,*} Pierre Legars,^b Denis Neibecker^a and Denis Souyri^b

^aLaboratoire de Chimie de Coordination du CNRS, 205 route de Narbonne, 31077 Toulouse Cedex 04, France

^bSociété Nationale des Poudres et Explosifs, Chemin de la Loge, 31078 Toulouse Cedex 04, France

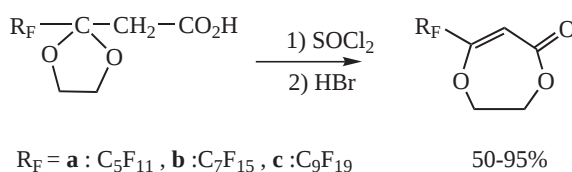


Serendipity in perfluorinated series: unexpected synthesis of 7-(perfluoroalkyl)-2,3-dihydro-5H-1,4-dioxepin-5-one

Tetrahedron Letters 42 (2001) 2305

Barbara Villaume, Christine Gérardin-Charbonnier, Sylvie Thiébaut and Claude Selve*

Université Henri Poincaré-Nancy I, Laboratoire de Chimie Physique Organique et Colloïdale, UMR CNRS/UHP 7565, Fac Sciences-BP 239-54506 Vandoeuvre lès Nancy Cedex, France

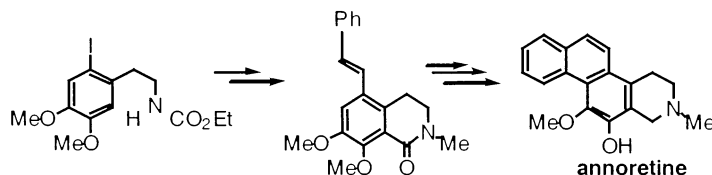


First total synthesis of the 1,2,3,4-tetrahydronaphtho-[2,1-f]isoquinoline annorepine

Tetrahedron Letters 42 (2001) 2307

M. Carme Pampín, Juan C. Estévez, Luis Castedo and Ramón J. Estévez*

Departamento de Química Orgánica and Unidad Asociada al Instituto de Investigaciones Químicas (CSIC), University of Santiago, 15706 Santiago de Compostela, Spain



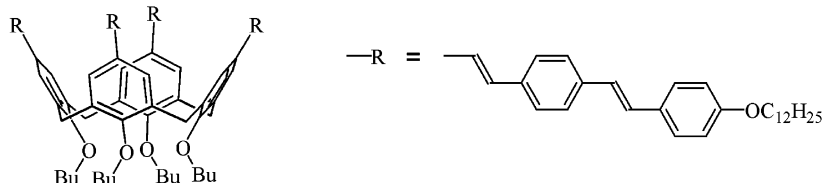
Calix[4]oligophenylenevinylene: a new rigid core for the design of π -conjugated liquid crystalline derivatives

Tetrahedron Letters 42 (2001) 2309

Tao Gu,^a Gianluca Accorsi,^b Nicola Armaroli,^{b,*} Daniel Guillon^a and Jean-François Nierengarten^{a,*}

^aGroupe des Matériaux Organiques, Institut de Physique et Chimie des Matériaux de Strasbourg, Université Louis Pasteur et CNRS, 23 rue du Loess, 67037 Strasbourg, France

^bIstituto di Fotochimica e Radiazioni d'Alta Energia del CNR, via Gobetti 101, 40129 Bologna, Italy



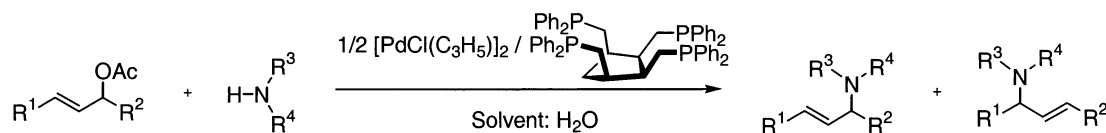
Palladium-tetraphosphine catalysed allylic substitution in water

Tetrahedron Letters 42 (2001) 2313

Marie Feuerstein, Dorothée Laurenti, Henri Doucet* and Maurice Santelli*

Laboratoire de Synthèse Organique associé au CNRS, Faculté des Sciences de Saint Jérôme, Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France

Very high substrate/catalyst ratio and good yields.



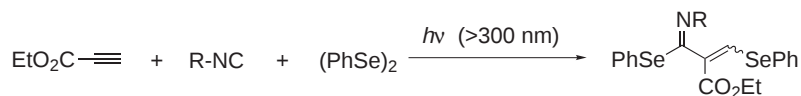
Selective sequential addition of diphenyl diselenide to ethyl propiolate and isocyanides upon irradiation with near-UV light

Tetrahedron Letters 42 (2001) 2317

Akiya Ogawa,^{a,*} Mikio Doi,^b Kaname Tsuchii^a and Toshikazu Hirao^b

^aDepartment of Chemistry, Faculty of Science, Nara Women's University, Kitauoyanishi-machi, Nara 630-8506, Japan

^bDepartment of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565-0871, Japan



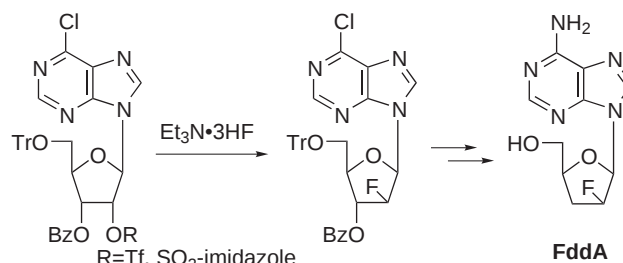
Improved synthesis of 9-(2,3-dideoxy-2-fluoro-β-D-threo-pentofuranosyl)adenine (FddA) using triethylamine trihydrofluoride

Tetrahedron Letters 42 (2001) 2321

Satoshi Takamatsu,^a Tokumi Maruyama,^b
Satoshi Katayama,^a Naoko Hirose^a
and Kunisuke Izawa^{a,*}

^aAminoScience Laboratories, Ajinomoto Co., Inc., 1-1,
Suzuki-cho, Kawasaki-ku, Kawasaki, Kanagawa 210-8681,
Japan

^bFaculty of Pharmaceutical Sciences, Tokushima Bunri
University, Yamashiro-cho, Tokushima 770-8514, Japan



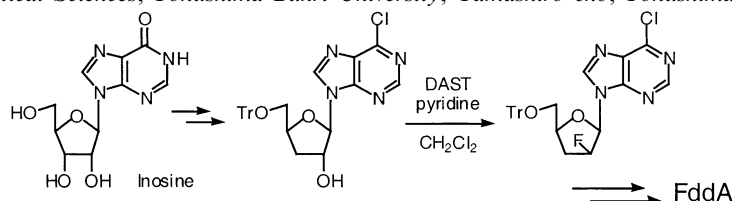
Practical synthesis of 9-(2,3-dideoxy-2-fluoro-β-D-threo-pentofuranosyl)adenine (FddA) via a purine 3'-deoxynucleoside

Tetrahedron Letters 42 (2001) 2325

Satoshi Takamatsu,^a Tokumi Maruyama,^b Satoshi Katayama,^a Naoko Hirose,^a Masaki Naito^a and
Kunisuke Izawa^{a,*}

^aAminoScience Laboratories, Ajinomoto Co., Inc., 1-1, Suzuki-cho, Kawasaki-ku, Kawasaki, Kanagawa 210-8681, Japan

^bFaculty of Pharmaceutical Sciences, Tokushima Bunri University, Yamashiro-cho, Tokushima 770-8514, Japan



Diversity of diterpene hydrocarbons in fungus *Phoma betae*

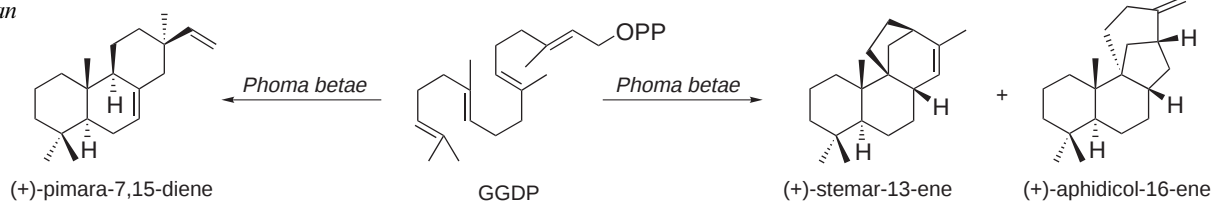
Tetrahedron Letters 42 (2001) 2329

Hideaki Oikawa,^{a,*} Hiroaki Toshima,^a Satoshi Ohashi,^a
Wilfried A. König,^b Hiromichi Kenmoku^c and Takeshi Sassa^{c,*}

^aDepartment of Applied Bioscience, Graduate School of Agriculture, Hokkaido University, Sapporo 060-8589, Japan

^bInstitute für Organische Chemie, Universität Hamburg, D-20146 Hamburg, Germany

^cDepartment of Bioresource Engineering, Faculty of Agriculture, Yamagata University, Tsuruoka, Yamagata 997-8555,
Japan



Pachyclavulariaenones A–C, three novel diterpenoids from the soft coral *Pachyclavularia violacea*

Tetrahedron Letters 42 (2001) 2333

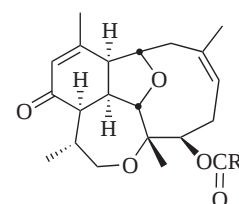
Guey-Horng Wang,^a Jyh-Horng Sheu,^{a,*} Michael Y. Chiang^b and Tsong-Jen Lee^c

^aDepartment of Marine Resources, National Sun Yat-Sen University, Kaohsiung 804, Taiwan

^bDepartment of Chemistry, National Sun Yat-Sen University, Kaohsiung 804, Taiwan

^cDepartment of Physics, National Tsing-Hua University, Hsinchu 300, Taiwan

Three novel diterpenoids named pachyclavulariaenones A–C (1–3) have been isolated from the soft coral *Pachyclavularia violacea*.



1 : R = CH₂CH₂CH₃

2 : R = CH₃

Supported organic catalysts: synthesis of (*E*)-nitrostyrenes from nitroalkanes and aromatic aldehydes over propylamine supported on MCM-41 silica as a reusable catalyst

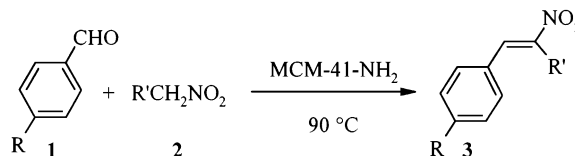
Tetrahedron Letters 42 (2001) 2401

Giuseppina Demicheli,^a Raimondo Maggi,^a Alessandro Mazzacani,^a Paolo Righi,^b Giovanni Sartori^{a,*} and Franca Bigi^a

^aDipartimento di Chimica Organica e Industriale dell'Università, Parco Area delle Scienze 17A, I-43100 Parma, Italy

^bDipartimento di Chimica Organica 'A. Mangini' dell'Università, Viale Risorgimento 4, I-40136 Bologna, Italy

MCM-41-supported propylamine showed high catalytic efficiency in the nitroaldol condensation between nitroalkanes and aromatic aldehydes for the production of (*E*)-nitrostyrenes **3**.

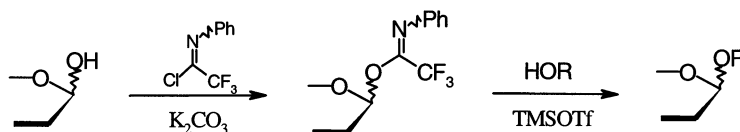


Glycosyl trifluoroacetimidates. Part 1. Preparation and application as new glycosyl donors

Tetrahedron Letters 42 (2001) 2405

Biao Yu* and Houchao Tao

State Key Laboratory of Bio-organic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China



Multifullerene compounds involving 2,5-dimethoxycarbonyl-pyrrolidinofullerene, from dumbbells to star shaped tris-, tetrakis- and hexakisfullerenes

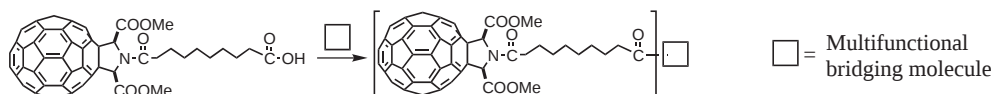
Tetrahedron Letters 42 (2001) 2409

Sheng Zhang,^a Liangbing Gan,^{a,*} Xiaolan Wei,^a Chunhui Huang,^a Xiaoran He,^b Mujian Lu,^b Jinqi Pan,^b Min Wei,^c Hongxia Luo^c and Nanqiang Li^c

^aState Key Laboratory of Rare Earth Materials Chemistry and Applications and Department of Chemistry, Peking University, Beijing 100871, China

^bInstrumental Analysis Center, Peking University, Beijing 100871, China

^cDepartment of Chemistry, Peking University, Beijing 100871, China

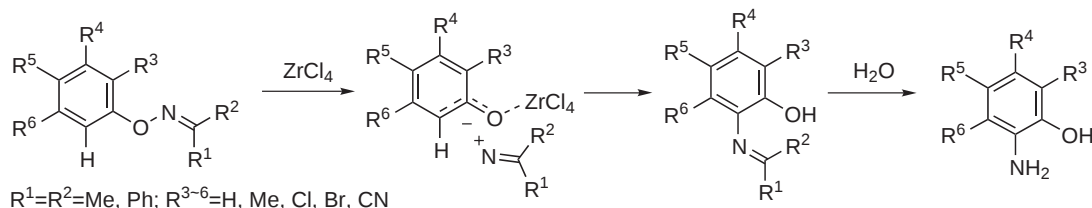


A new intramolecular migration of the imino group of O-arylketoimes to the aryl group under the Beckmann condition

Tetrahedron Letters 42 (2001) 2337

Yasuo Kikugawa,* Chiho Tsuji, Etsuko Miyazawa and Takeshi Sakamoto

Faculty of Pharmaceutical Sciences, Josai University, 1-1 Keyakidai, Sakado, Saitama 350-0295, Japan

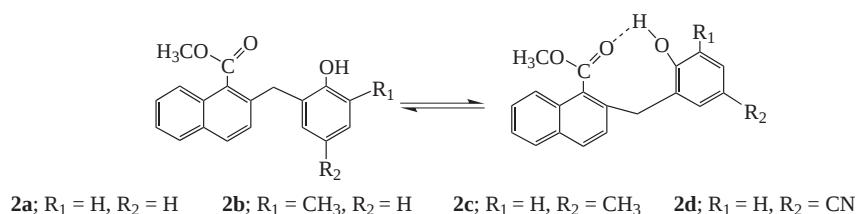


A novel nine-membered intramolecular hydrogen bonding in methyl naphthoate bearing phenol moiety

Tetrahedron Letters 42 (2001) 2341

Yasuharu Yoshimi, Hajime Maeda, Akira Sugimoto and Kazuhiko Mizuno*

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

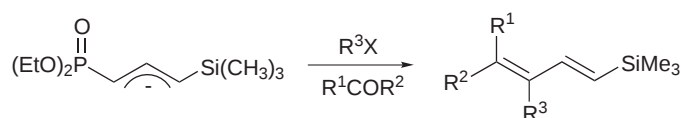


Regioselective alkylation and olefination of allylic carbanion stabilized by two different heteroatoms: phosphorus and silicon

Tetrahedron Letters 42 (2001) 2345

Bum Sung Lee, Jun Mo Gil and Dong Young Oh*

Department of Chemistry, Korea Advanced Institute of Science and Technology, Taejon 305-701, South Korea



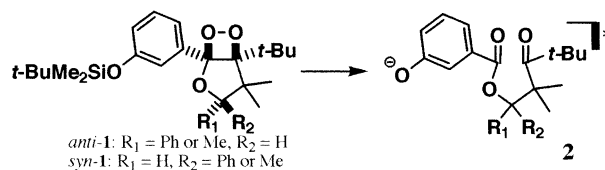
Base-induced chemiluminescent decomposition of stereoisomeric 5-tert-butyl-1-(3-tert-butyl dimethylsiloxy)phenyl-4,4-dimethyl-3-phenyl-2,6,7-trioxabicyclo[3.2.0]heptanes and their related dioxetanes

Tetrahedron Letters 42 (2001) 2349

Masakatsu Matsumoto,* Yoshihiro Ito, Jyunya Matsubara, Toshimitsu Sakuma, Yasuko Mizoguchi and Nobuko Watanabe

Department of Materials Science, Kanagawa University, Tsuchiya, Hiratsuka, Kanagawa 259-1205, Japan

CIEEL-decay of stereoisomeric bicyclic dioxetanes (*anti*-1) and (*syn*-1) with TBAF gave blue light with different chemiluminescent efficiency in DMSO or acetonitrile: *anti*-1 > *syn*-1a, though they produced the same ketoester (2).



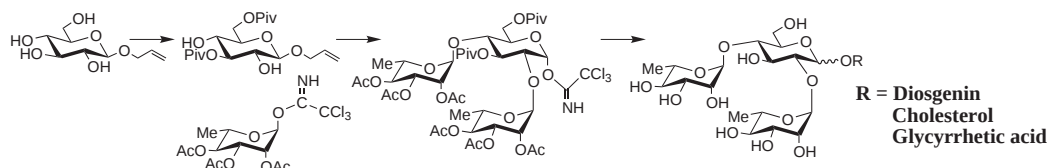
Synthesis of neosaponins having an α -L-rhamnopyranosyl-(1 $\rightarrow$ 4)-[α -L-rhamnopyranosyl-(1 $\rightarrow$ 2)]-D-glucopyranosyl glyco-linkage

Tetrahedron Letters 42 (2001) 2353

Tsuyoshi Ikeda,^a Hiroyuki Miyashita,^a Tetsuya Kajimoto^b and Toshihiro Nohara^{a,*}

^aFaculty of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862-0973, Japan

^bDepartment of Biotechnology, Tokyo University of Agriculture and Technology, 2-24-16 Nakacho, Koganei, Tokyo 184-8588, Japan



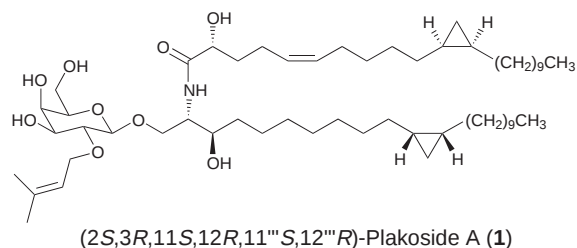
Synthesis of (2*S*,3*R*,11*S*,12*R*,2''*R*,11'''*S*,12'''*R*)-plakoside A, a prenylated and immunosuppressive marine galacto-sphingolipid with cyclopropane-containing alkyl chains

Tetrahedron Letters 42 (2001) 2357

Masanori Seki, Akihiro Kayo and Kenji Mori*

Department of Chemistry, Science University of Tokyo, Kagurazaka 1-3, Shinjuku-ku, Tokyo 162-8601, Japan

Plakoside A (**1**) is a prenylated galactosphingolipid isolated from the marine sponge *Plakortis simplex* and is strongly immunosuppressive without cytotoxicity. (2*S*,3*R*,11*S*,12*R*,2''*R*,11'''*S*,12'''*R*)-plakoside A (**1**) was synthesized by combining sphingosine part **16**, α -hydroxy acid part **24** and prenylated sugar part **29**.

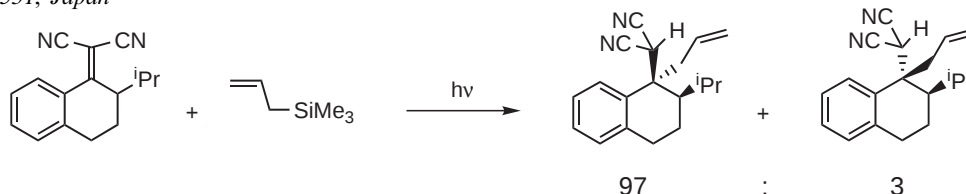


Highly stereoselective carbon-functionalization of electron-deficient arylalkenes by use of organosilicon compounds via photoinduced electron transfer

Tetrahedron Letters 42 (2001) 2361

Tomoo Hayamizu, Hajime Maeda, Munehiro Ikeda and Kazuhiko Mizuno*

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

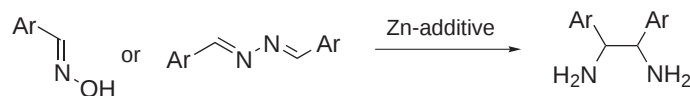


Reductive coupling of aromatic oxims and azines to 1,2-diamines using Zn-MsOH or Zn-TiCl₄

Tetrahedron Letters 42 (2001) 2365

Naoki Kise* and Nasuo Ueda

Department of Biotechnology, Faculty of Engineering, Tottori University, Koyama, Tottori 680-8552, Japan



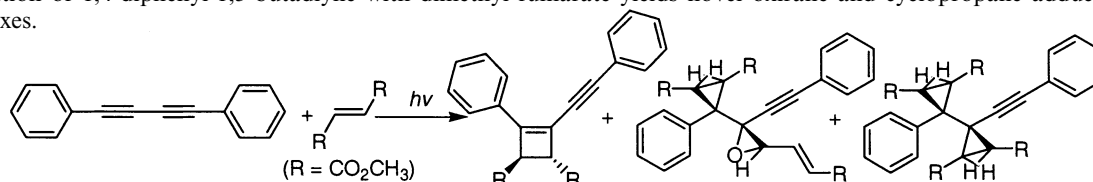
Photoaddition of 1,4-diphenyl-1,3-butadiyne to dimethyl fumarate: a novel exciplex mechanism

Tetrahedron Letters 42 (2001) 2369

Bang Duk Kim, Geon Soo Kim, Bo Tu and Sang Chul Shim*

Department of Chemistry, Center for Molecular Design and Synthesis and School of Molecular Science-BK21, Korea Advanced Institute of Science and Technology, Yuseong-Gu, Taejeon 305-701, South Korea

Irradiation of 1,4-diphenyl-1,3-butadiyne with dimethyl fumarate yields novel oxirane and cyclopropane adducts through exciplexes.

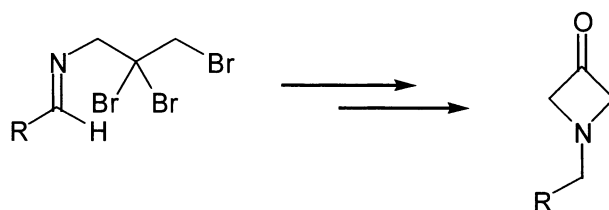


A new entry towards the synthesis of 1-substituted 3-azetidinones

Tetrahedron Letters 42 (2001) 2373

Dirk De Smaele, Yves Dejaegher, Guillaume Duveyl and Norbert De Kimpe*

Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium



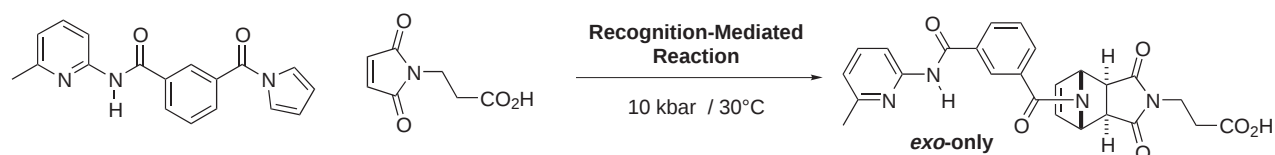
Recognition-induced control and acceleration of a pyrrole Diels–Alder reaction

Tetrahedron Letters 42 (2001) 2377

Raphaël Bennes,^a Marcos Sapró Babiloni,^b Wayne Hayes^{b,*} and Douglas Philp^{a,*}

^a*School of Chemistry, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK*

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

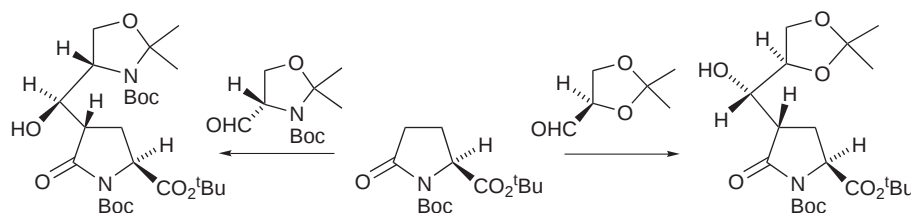


Double stereodifferentiation in aldol reactions on protected pyroglutamate esters

Tetrahedron Letters 42 (2001) 2381

Peter B. Hitchcock, Bernard A. Starkmann and Douglas W. Young*

Sussex Centre for Biomolecular Design and Drug Development, CPES, University of Sussex, Falmer, Brighton BN1 9QJ, UK

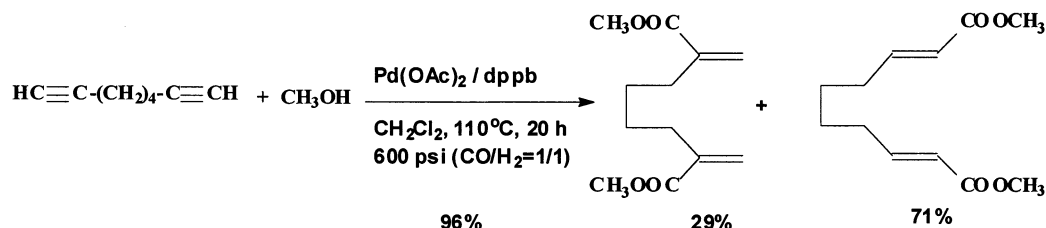


Pd(II)—dppb and syngas catalyze regioselective hydroesterification of terminal alkynes under neutral conditions

Tetrahedron Letters 42 (2001) 2385

Bassam El Ali,* Jimoh Tijani and Abdel Moneim El-Ghanam

Chemistry Department, KFUPM, 31261 Dhahran, Saudi Arabia

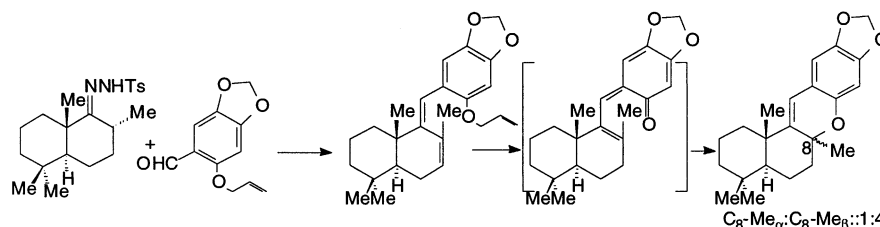


Enantiospecific synthesis of 8-epipuupehedione from (*R*)-(-)-carvone

Tetrahedron Letters 42 (2001) 2389

Soumen Maiti, Sujaya Sengupta, Chandana Giri, Basudeb Achari and Asish Kr. Banerjee*

Department of Medicinal Chemistry, Indian Institute of Chemical Biology, Calcutta 700 032, India



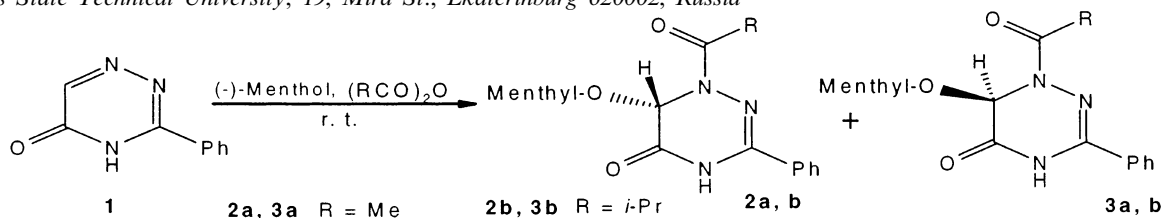
Direct diastereoselective addition of *l*-menthol to activated 1,2,4-triazin-5(4*H*)-one

Tetrahedron Letters 42 (2001) 2393

Oleg N. Chupakhin,^{a,*} Grigory V. Zyryanov,^b Vladimir L. Rusinov,^b Victor P. Krasnov,^a Galina L. Levit,^a Marina A. Korolyova^a and Michael I. Kodess^a

^a*Institute of Organic Synthesis, 20, S. Kovalevskaya St., Ekaterinburg 620219, Russia*

^b*Urals State Technical University, 19, Mira St., Ekaterinburg 620002, Russia*



Microwave enhanced solution synthesis of 1,4-benzodiazepin-5-ones

Tetrahedron Letters 42 (2001) 2397

Vincenzo Santagada,* Elisa Perissutti, Ferdinando Fiorino, Beniamino Vivenzio and Giuseppe Caliendo

Dipartimento di Chimica Farmaceutica e Tossicologica, Università di Napoli «Federico II» Via D. Montesano, 49, 80131 Naples, Italy

Some 2-methyl-1,4-benzodiazepin-5-ones have been synthesized. The synthesis by microwave irradiation of solutions gave the desired compounds in better yields than those obtained by conventional heating. The overall times for the syntheses were considerably reduced.

