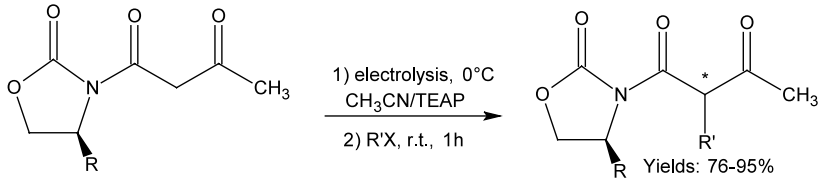
Electrochemical generation of tetraethylammonium *N*-acetoacetyl-oxazolidin-2-one enolates: an easy access to α-alkylated acetoacetic derivatives

Tetrahedron Letters 43 (2002) 2881

Laura Palombi,[a,*] Marta Feroci,[b] Monica Orsini,[a] Leucio Rossi[a] and Achille Inesi[a,*]

[a]*Dip. di Chimica, Ingegneria Chimica e Materiali, Università degli Studi, I-67040 Monteluco di Roio, L'Aquila, Italy*
[b]*Dip. di Ingegneria Chimica, Materiali, Materie Prime e Metallurgia, Università 'La Sapienza', Via Castro Laurenziano 7, I-00161 Roma, Italy*

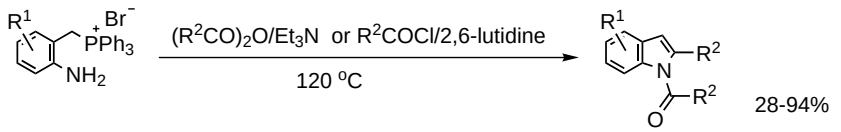


A facile synthesis of 2-substituted indoles from (2-aminobenzyl)-triphenylphosphonium salts

Tetrahedron Letters 43 (2002) 2885

Shin'ichi Taira, Hiroshi Danjo and Tsuneo Imamoto*

Department of Chemistry, Faculty of Science, Chiba University, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan



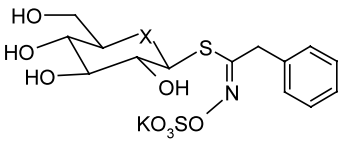
Carba-glucotropaeolin: the first non-hydrolyzable glucosinolate analogue, to inhibit myrosinase

Tetrahedron Letters 43 (2002) 2889

Myriam Lefoix,[a] Arnaud Tatibouët,[a,*] Sylvain Cottaz,[b] Hugues Driguez[b] and Patrick Rollin[a,*]

[a]*Institut de Chimie Organique et Analytique, Université d'Orléans, BP6759, F-45067 Orléans Cedex 2, France*
[b]*Centre de Recherches sur les Macromolécules Végétales, CNRS, BP 53, F-38041 Grenoble Cedex 9, France*

A 5a-carba-analogue **4** of glucotropaeolin **2** was synthesized in racemic form and showed a good inhibiting power against myrosinase.



2 X = O

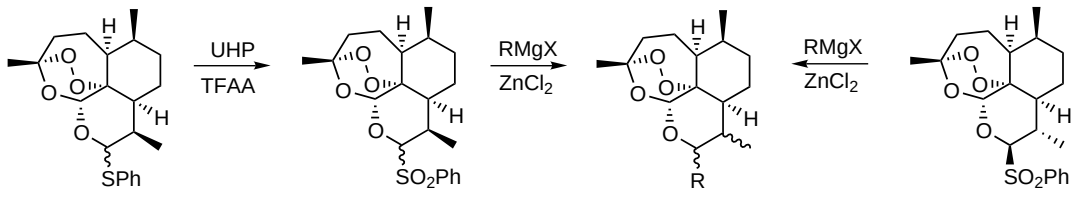
4 X = CH_2

A simple synthesis of C-10 substituted deoxoartemisinin and 9-*epi*-deoxoartemisinin with various organozinc reagents

Tetrahedron Letters 43 (2002) 2891

Seokjoon Lee[a,*] and Sangtae Oh[b]

[a]*Department of Premedical Science, College of Medicine, Kwandong University, Gangnung 210-701, South Korea*
[b]*Department of Chemistry, Yonsei University, Wonju 220-710, South Korea*



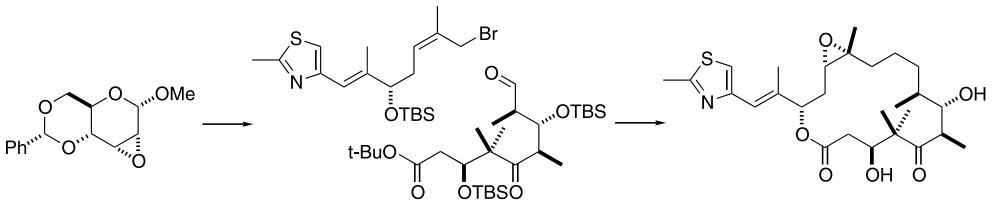
Synthesis of epothilones B and D from D-glucose

Tetrahedron Letters 43 (2002) 2895

Mikhail S. Ermolenko* and Pierre Potier

Institut de Chimie des Substances Naturelles du CNRS, Avenue de la Terrasse, 91198 Gif-sur-Yvette, France

An enantiospecific total synthesis of epothilones B and D from D-glucose is reported.



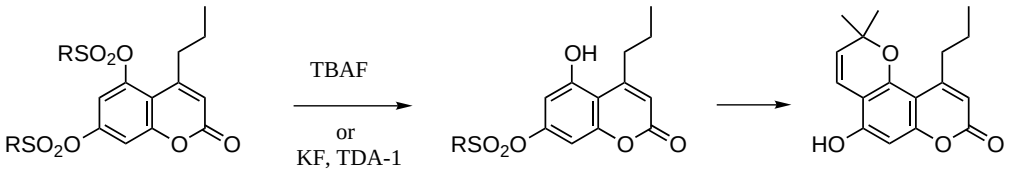
A novel synthesis of 5-hydroxy-2,2-dimethyl-10-propyl-2*H*-pyrano[2,3-*f*]chromen-8-one

Tetrahedron Letters 43 (2002) 2899

Martin E. Fox, Ian C. Lennon* and Graham Meek

Chirotech Technology Ltd, Unit 321 Cambridge Science Park, Milton Road, Cambridge CB4 0WG, UK

A novel synthesis of a key precursor for calanolide A is described.



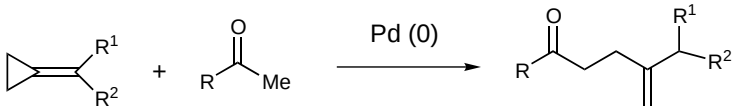
Palladium-catalyzed addition of ketones to alkylidenecyclopropanes

Tetrahedron Letters 43 (2002) 2903

Drexel H. Camacho, Itaru Nakamura, Byoung Ho Oh, Shinichi Saito and Yoshinori Yamamoto*

Department of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan

Alkylidenecyclopropanes react with ketones under neutral conditions in the presence of a Pd(0) catalyst to afford the corresponding α-allylated ketone products in moderate to good yields.



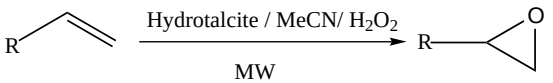
Microwave-expedited olefin epoxidation over hydrotalcites using hydrogen peroxide and acetonitrile

Tetrahedron Letters 43 (2002) 2909

Unnikrishnan R. Pillai, Endalkachew Sahle-Demessie* and Rajender S. Varma

National Risk Management Research Laboratory, Sustainable Technology Division, MS 443, US Environmental Protection Agency, 26 West M. L. King Drive, Cincinnati, OH 45268, USA

Microwave-assisted epoxidation of olefins is described over hydrotalcite catalysts in the presence of hydrogen peroxide and acetonitrile.

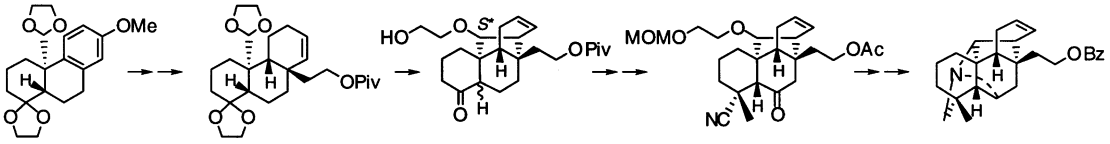


Tetrahedron Letters 43 (2002) 2913

Synthesis of a compound having the essential structural unit for the hetisine-type of aconite alkaloids

Hideaki Muratake* and Mitsutaka Natsume*

Research Foundation Itsuu Laboratory, 2-28-10 Tamagawa, Setagaya-ku, Tokyo 158-0094, Japan



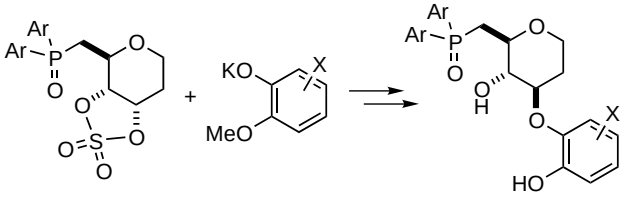
Tetrahedron Letters 43 (2002) 2919

Practical synthesis of chiral ligands for catalytic enantioselective cyanosilylation of ketones

Shuji Masumoto,[a] Kazuo Yabu,[a] Motomu Kanai[a,b] and Masakatsu Shibasaki[a,*]

[a]*Graduate School of Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*
[b]*PRESTO, Japan Science and Technology Corporation (JST), Tokyo, Japan*

A range of chiral ligands that are useful for catalytic enantioselective cyanosilylation of ketones was practically synthesized using a cyclic sulfate as a key intermediate.

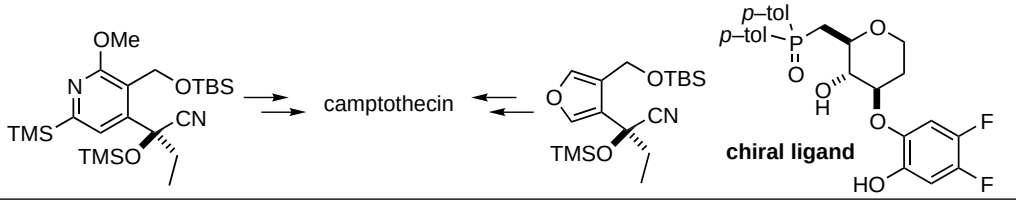


Tetrahedron Letters 43 (2002) 2923

Studies toward practical synthesis of (20*S*)-camptothecin family through catalytic enantioselective cyanosilylation of ketones: improved catalyst efficiency by ligand-tuning

Kazuo Yabu,[a] Shuji Masumoto,[a] Motomu Kanai,[a,b] Dennis P. Curran[c] and Masakatsu Shibasaki[a,*]

[a]*Graduate School of Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*
[b]*PRESTO, Japan Science and Technology Corporation (JST), Tokyo, Japan*
[c]*Department of Chemistry, University of Pittsburgh, Pittsburgh, PA 15260, USA*

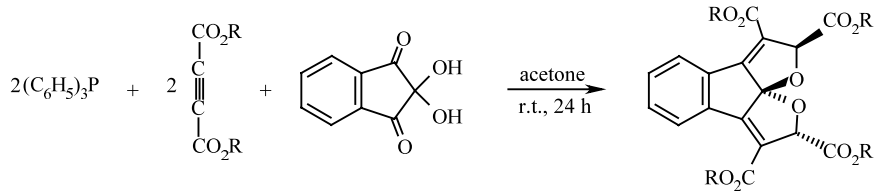


Tetrahedron Letters 43 (2002) 2927

An efficient diastereoselective one-pot synthesis of dihydrofuro-[2′,3′:2,3]indeno[2,1-*b*]furan derivatives

Issa Yavari,* Mehdi Adib and Mohammad Hosein Sayahi

Department of Chemistry, University of Tarbiat Modarres, PO Box 14115-175, Tehran, Iran

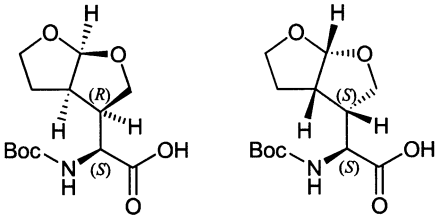


Synthesis of novel amino acids, L-bis-tetrahydrofuranylglycines

Tetrahedron Letters 43 (2002) 2931

Ei'ichi Ami,[a] S. Rajesh,[a] Jung Wang,[a] Tooru Kimura,[a] Yoshio Hayashi,[a] Yoshiaki Kiso[a,*] and Toshimasa Ishida[b]

[a]*Department of Medicinal Chemistry, Center for Frontier Research in Medicinal Science, Kyoto Pharmaceutical University, Yamashina-ku, Kyoto 607-8412, Japan*
[b]*Department of Physical Chemistry, Osaka University of Pharmaceutical Sciences, Takatsuki, Osaka 569-1604, Japan*

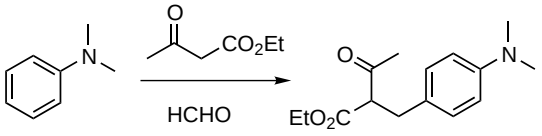


Novel Mannich-type nucleophilic substitution reaction with tertiary aromatic amines

Tetrahedron Letters 43 (2002) 2935

Hiroyasu Takahashi, Nobuyuki Kashiwa, Yuichi Hashimoto and Kazuo Nagasawa*

Institute of Molecular and Cellular Biosciences, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-0032, Japan

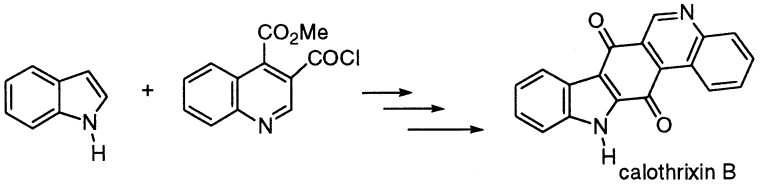


A simple and concise route to calothrixin B

Tetrahedron Letters 43 (2002) 2939

Paul H. Bernardo, Christina L. L. Chai* and John A. Elix

Department of Chemistry, Australian National University, Canberra, ACT 0200, Australia

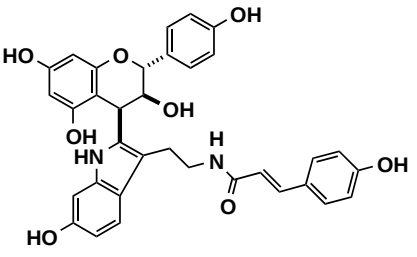


Lotthanongine, an unprecedented flavonoidal indole alkaloid from the roots of Thai medicinal plant, *Trigonostemon reidioides*

Tetrahedron Letters 43 (2002) 2941

Tripetch Kanchanapoom,[a,b] Ryoji Kasai,[a] Phannipha Chumsri,[c] Krisana Kraisintu[d] and Kazuo Yamasaki[a,*]

[a]*Institute of Pharmaceutical Sciences, Faculty of Medicine, Hiroshima University, 1-2-3 Kasumi, Minami-ku, Hiroshima 734-8551, Japan*
[b]*Department of Pharmaceutical Botany and Pharmacognosy, Faculty of Pharmaceutical Sciences, Khon Kaen University, Khon Kaen 40002, Thailand*
[c]*Department of Pharmacognosy, Faculty of Pharmacy, Mahidol University, Bangkok 10400, Thailand*
[d]*Research and Development Institute, Government Pharmaceutical Organization, Bangkok 10400, Thailand*



Lotthanongine was isolated from the roots of *Trigonostemon reidioides*.

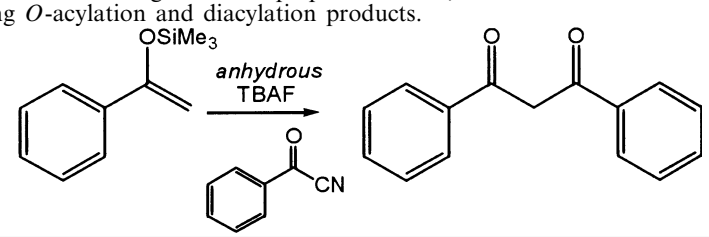
The regioselective preparation of 1,3-diketones

Tetrahedron Letters 43 (2002) 2945

Charlotte Wiles,[a] Paul Watts,[a] Stephen J. Haswell[a,*] and Esteban Pombo-Villar[b]

[a]*Department of Chemistry, Faculty of Science and the Environment, University of Hull, Cottingham Road, Hull HU6 7RX, UK*
[b]*Nervous Systems Research, WSJ-386.07.15, Novartis Pharma Ltd., CH4002, Basel, Switzerland*

We illustrate a simple method for the regioselective preparation of 1,3-diketones from both Li enolates and silyl enol ethers, free from competing *O*-acylation and diacylation products.



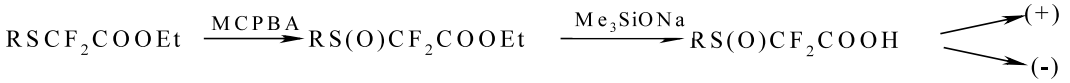
Synthesis and optical activity of difluoro(organylsulfinyl)acetic acids and their esters

Tetrahedron Letters 43 (2002) 2949

Andrej V. Matsnev, Nataliya V. Kondratenko, Yurii L. Yagupolskii* and Lev M. Yagupolskii

Institute of Organic Chemistry, National Academy of Sciences of Ukraine, 5 Murmanskaya St., 02094 Kiev, Ukraine

Representatives of a new type of optically active sulfur compound, arylsulfinyldifluoroacetic acids, have been prepared.



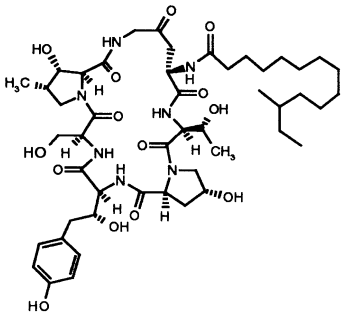
Synthesis of new echinocandin derivatives via a diol-keto transposition

Tetrahedron Letters 43 (2002) 2953

Jozsef Aszodi,[a] Patrick Fauveau,[a] Dominique Melon-Manguer,[a] Eberhard Ehlers[b] and Laurent Schio[a,*]

[a]*Medicinal Chemistry, Aventis Pharma, 102 Route de Noisy, F-93235 Romainville Cedex, France*
[b]*Process Development Biochemistry, Aventis Pharma, Biologika Süd, H780, D-65956 Frankfurt am Main, Germany*

The synthesis of an original carbonyl analogue of deoxymulundocandin has been realised via a new transposition reaction performed in smooth acid conditions.

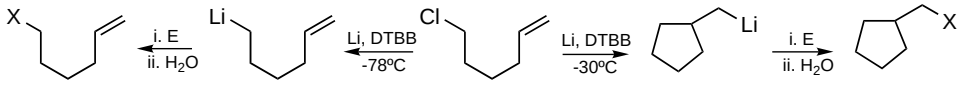


DTBB-catalysed lithiation of 6-chloro-1-hexene and related systems: synthetically useful temperature-dependent behaviour

Tetrahedron Letters 43 (2002) 2957

Miguel Yus,* Rosa Ortiz and Fernando F. Huerta

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain

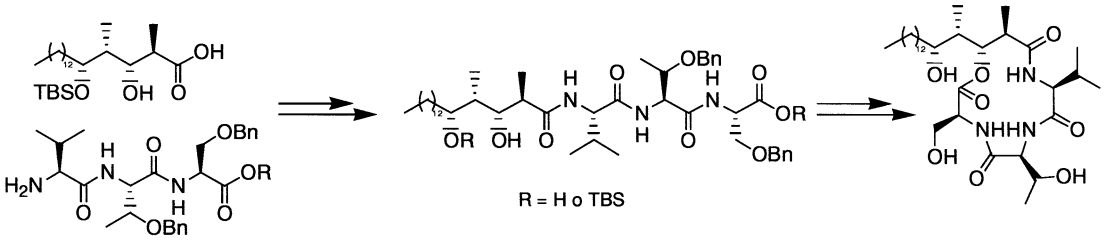


A macrolactonization approach to the stevastelins

Tetrahedron Letters 43 (2002) 2961

Francisco Sarabia,* Samy Chammaa and F. Jorge López-Herrera

Departamento de Bioquímica, Biología Molecular y Química Orgánica, Facultad de Ciencias, Universidad de Málaga, 29071 Málaga, Spain

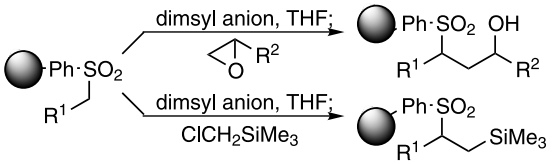


Dimsyl anion in the monoalkylation of solid-phase alkyl sulfones

Tetrahedron Letters 43 (2002) 2967

Wei-Chieh Cheng,[a] Chu-Chung Lin[b] and Mark J. Kurth[a,*]

[a]*Department of Chemistry, University of California, One Shields Avenue, Davis, CA 95616-5295, USA*
[b]*Taigen Biotechnolog 7F, 138 Shin Ming Rd., Neihu Dist., Taipei 114, Taiwan, ROC*

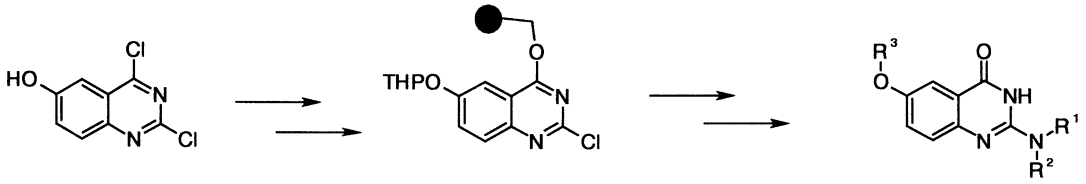


Novel solid-phase synthesis of 2,6-disubstituted 4(3*H*)-quinazolinones for combinatorial library generation

Tetrahedron Letters 43 (2002) 2971

Csaba Wéber,* Attila Bielik, Györgyi I. Szendrei and István Greiner

Chemical and Biotechnological Research and Development, Gedeon Richter Ltd, PO Box 27, H-1475 Budapest, Hungary



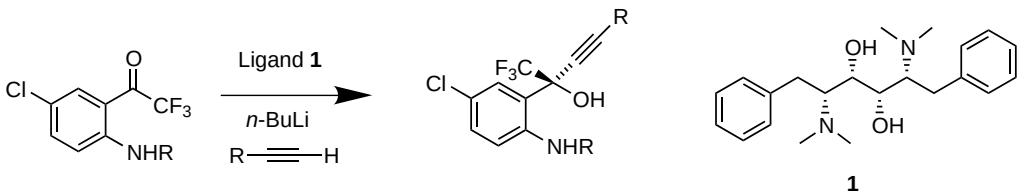
THP: tetrahydropyran-2-yl, R^3: primary or secondary alkyl,
R^1, R^2: primary alkyl or NR^1R^2: cyclic amine

Enantioselective alkynylation of a prochiral ketone catalyzed by C_2-symmetric diamino diols

Tetrahedron Letters 43 (2002) 2975

Biao Jiang* and Yan Feng

The State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fengling Road, Shanghai 200032, PR China

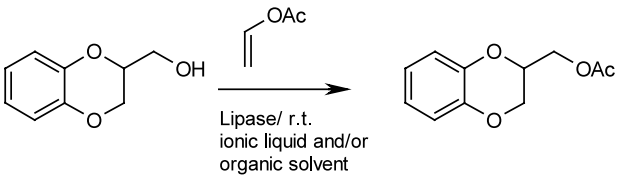


Tetrahedron Letters 43 (2002) 2979

Lipase-catalysed transesterification in ionic liquids and organic solvents: a comparative study

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

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

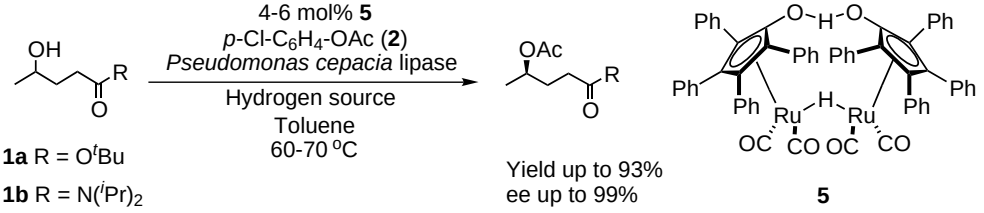


Tetrahedron Letters 43 (2002) 2983

Dynamic kinetic resolution of γ-hydroxy acid derivatives

Ann-Britt L. Runmo,[a] Oscar Pàmies,[a] Kurt Faber[b] and Jan-E. Bäckvall[a,*]

[a]*Department of Organic Chemistry, Arrhenius Laboratory, Stockholm University, SE-10691 Stockholm, Sweden*
[b]*Department of Organic & Bioorganic Chemistry, University of Graz, A-8010 Graz, Austria*



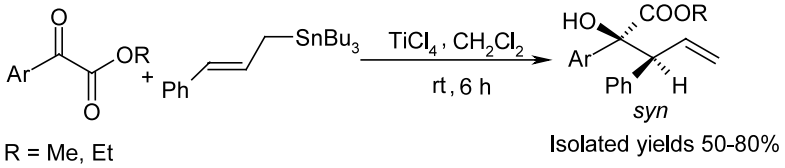
Tetrahedron Letters 43 (2002) 2987

Highly diastereoselective $TiCl_4$ mediated addition of (*E*)-cinnamyl(tributyl)tin to α-keto esters

Deevi Basavaiah* and Bandaru Sreenivasulu

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

High *syn*-(87–98%) diastereoselective addition of (*E*)-cinnamyltin to α-keto esters under the influence of titanium tetrachloride, leading to the isolation of pure alkyl *syn*-2-aryl-2-hydroxy-3-phenylpent-4-enoates in 50–80% yields, is described.



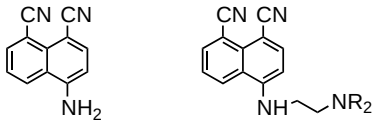
Tetrahedron Letters 43 (2002) 2991

4-Amino-1,8-dicyanonaphthalene derivatives as novel fluorophore and fluorescence switches: efficient synthesis and fluorescence enhancement induced by transition metal ions and protons

Xuhong Qian[a,*] and Yi Xiao[a,b]

[a]*State Key Laboratory of Fine Chemicals, Dalian University of Technology, PO Box 40, Dalian 116012, China*
[b]*Shanghai Key Laboratory of Chemical Biology, PO Box 544, Shanghai 200237, China*

These fluorosensors containing a novel fluorophore exhibit considerable fluorescence enhancement in the presence of transition metal ions and H^+.

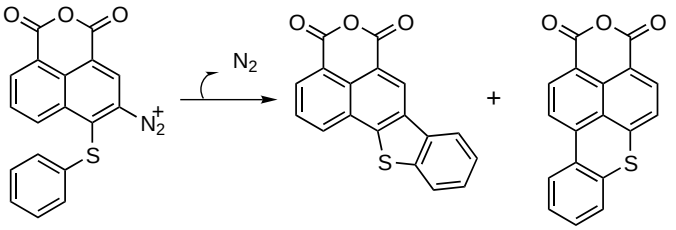


Tetrahedron Letters 43 (2002) 2995

Synthesis and properties of benzothioxanthene dicarboximide hydroperoxide: an efficient 'time-resolved' DNA photocleaver with long-wavelength

Xuhong Qian,[a,*] Ping Mao,[b,c] Wei Yao[b,c] and Xiangfeng Guo[a]

[a]*State Key Laboratory of Fine Chemicals, Dalian University of Technology, PO Box 40, 158 Zhongshan Road, Dalian 116012, China*
[b]*Institute of Pesticides and Pharmaceuticals, East China University of Science and Technology, Shanghai 200237, China*
[c]*Shanghai Key Laboratory of Chemical Biology, PO Box 544, Shanghai 200237, China*

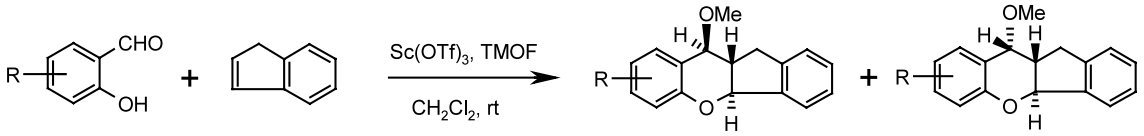


Tetrahedron Letters 43 (2002) 2999

A facile synthesis of indeno[1,2-*b*]chromanes catalyzed by scandium triflate

Jhillu S. Yadav,* B. V. Subba Reddy, Celine Parisse, Peter Carvalho and T. Prabhakar Rao

Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500007, India



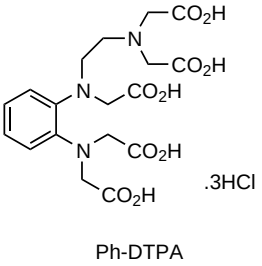
Tetrahedron Letters 43 (2002) 3003

Synthesis of a new chelating agent derived from phenylenediamine for application in radioimmunotherapy

Sébastien G. Gouin,[a,b] Jean-François Gestin,[b,c] Alain Reliquet,[a] Jean Claude Meslin[a] and David Deniaud[a,*]

[a]*Laboratoire de Synthèse Organique, UMR CNRS 6513, Faculté des Sciences et des Techniques, 2 rue de la Houssinière, BP 92208, 44072 Nantes Cedex, France*
[b]*INSERM U463, Chimie des bioconjugués, 9 quai Moncousu, 44093 Nantes Cedex, France*
[c]*CHELATEC SAS, Institut de Biologie, 9 quai Moncousu, 44093 Nantes Cedex, France*

We report the synthesis of a precursor of a bifunctional chelating agent possessing an aromatic rigid skeleton.



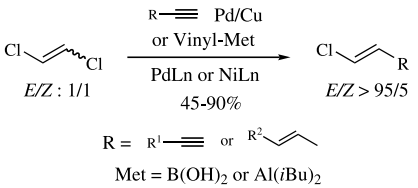
Ph-DTPA

Tetrahedron Letters 43 (2002) 3007

Stereoselective synthesis of (*E*)-chloroenynes or (*E*,*E*)-chlorodienes starting from a stereoisomeric mixture of 1,2-dichloroethylenes

Mouâd Alami,* Jean-François Peyrat and Jean-Daniel Brion

Laboratoire de Chimie Thérapeutique associé au CNRS (ESA 8076, BIOCIS), Faculté de Pharmacie, rue J.B. Clément, 92296 Châtenay Malabry Cedex, France



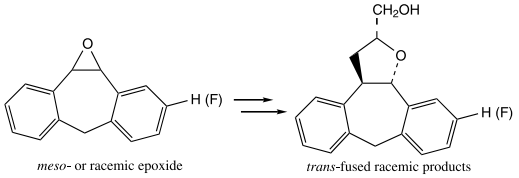
Met = $B(OH)_2$ or $Al(iBu)_2$

Tetrahedron Letters 43 (2002) 3011

Stereoselective synthesis of *trans*-fused tetrahydrofuran derivatives of 5*H*-dibenzo[*a*,*d*]cycloheptene

Frans Compernolle,[a] Hua Mao,[a] Abdellah Tahri,[a] Tomasz Kozlecki,[a] Erik Van der Eycken,[a] Bart Medaer[b] and Georges J. Hoornaert[a,*]

[a]*Laboratorium voor Organische Synthese, K.U.Leuven, Celestijnenlaan 200F, B-3001 Leuven, Belgium*
[b]*Drug Evaluation, Johnson & Johnson Pharmaceutical Research & Development, Turnhoutse steenweg 30, B-2340 Beerse, Belgium*

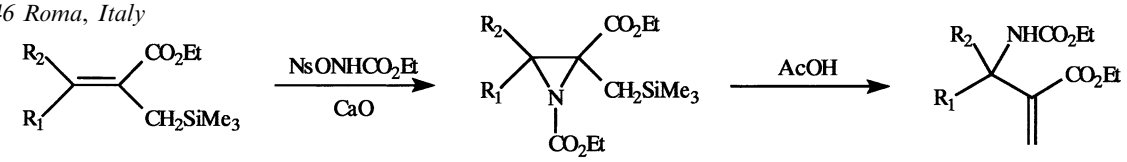


Tetrahedron Letters 43 (2002) 3017

Amination of α,β-unsaturated (2-trimethylsilanylmethyl) carboxylic esters

Tecla Gasperi,[a] M. Antonietta Loreto,[a,b,*] Paolo A. Tardella[a] and Augusto Gambacorta[c]

[a]*Dipartimento di Chimica, Università 'La Sapienza', P. le Aldo Moro 5, I-00185 Roma, Italy*
[b]*Istituto C.N.R. di Chimica Biomolecolare – Sezione Roma – Dipartimento di Chimica, Università 'La Sapienza', Roma, Italy*
[c]*Dipartimento di Ingegneria Meccanica e Industriale, Università degli studi Roma Tre, via della Vasca Navale 79, I-00146 Roma, Italy*

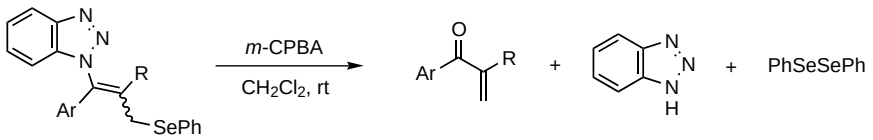


Tetrahedron Letters 43 (2002) 3021

Synthesis of 2-alkyl (and aryl)-1-aryl-2-propen-1-ones via *m*-CPBA mediated oxidation of γ-(benzotriazol-1-yl)allylic selenides

Taehoon Kim and Kyongtae Kim*

School of Chemistry and Molecular Science, Seoul National University, Seoul 151-742, South Korea

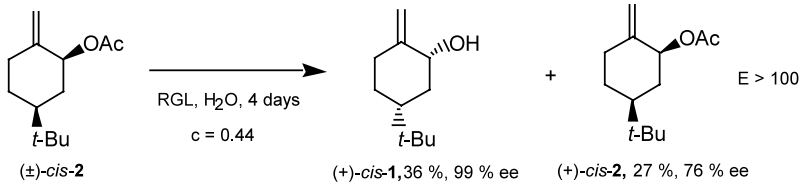


Tetrahedron Letters 43 (2002) 3025

Diastereoselective and enantioselective lipase-catalyzed hydrolysis of stereoisomeric 2-methylene, 5-*t*-butylcyclohexyl acetates

Chahra Bidjou,[a] Louisa Aribi-Zouioueche[a,*] and Jean-Claude Fiaud[b,*]

[a]*Department of Organic Chemistry, University of Annaba, B.P. 12, 23000 Annaba, Algeria*
[b]*Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, F-91405 Orsay cedex, France*



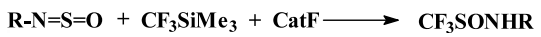
Tetrahedron Letters 43 (2002) 3029

Perfluoroalkylation of heterocumulenes with trimethyl(perfluoroalkyl)silanes in the presence of fluoride ions: synthesis of perfluoroalkanesulfinyl amides from *N*-organylsulfinyl amines

Yurii L. Yagupolskii,[a,*] Nataliya V. Kirij,[a] Aleksey V. Shevchenko,[a] Wieland Tyrra[b] and Dieter Naumann[b]

[a]*Institute of Organic Chemistry, National Academy of Sciences of Ukraine, 5 Murmanskaya St., UA-02094 Kiev 94, Ukraine*

[b]*Institut für Anorganische Chemie, Universität zu Köln, Greinstr. 6, D-50939 Cologne, Germany*

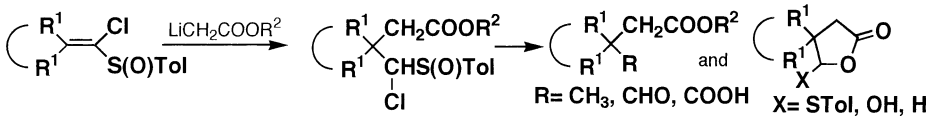


Tetrahedron Letters 43 (2002) 3033

A novel synthesis of carboxylic acid derivatives having a quaternary carbon at 3-position and functional groups at 4-position from 1-chlorovinyl *p*-tolyl sulfoxides and acetic acid esters

Tsuyoshi Satoh,* Shimpei Sugiyama and Hiroyuki Ota

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



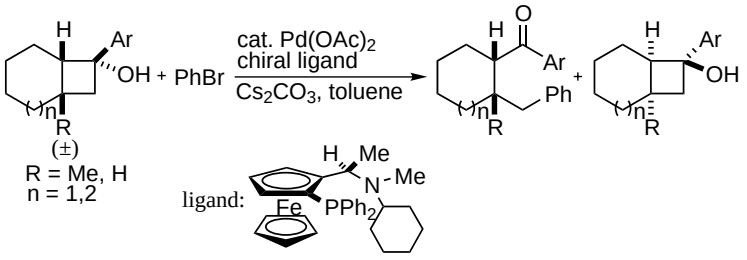
Tetrahedron Letters 43 (2002) 3037

Palladium-catalyzed kinetic resolution of *tert*-cyclobutanols via C–C bond cleavage

Takahiro Nishimura, Satoshi Matsumura, Yasunari Maeda and Sakae Uemura*

Department of Energy and Hydrocarbon Chemistry, Graduate School of Engineering, Kyoto University, Sakyo-ku, Kyoto 606-8501, Japan

Palladium-catalyzed kinetic resolution of *tert*-cyclobutanols with bromobenzene affords chiral ketones via C–C bond cleavage as well as chiral *tert*-cyclobutanols with moderate to good enantioselectivity.



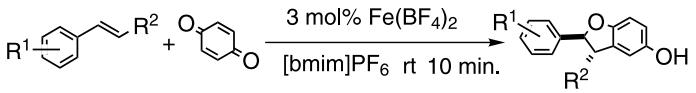
Tetrahedron Letters 43 (2002) 3041

Cycloaddition of styrene derivatives with quinone catalyzed by ferric ion; remarkable acceleration in an ionic liquid solvent system

Hiroyuki Ohara,[b] Hiromi Kiyokane[b] and Toshiyuki Itoh[a,*]

[a]*Department of Materials Science, Faculty of Engineering, Tottori University, Tottori 680-8552, Japan*

[b]*Department of Chemistry, Faculty of Education, Okayama University, Okayama 700-8530, Japan*

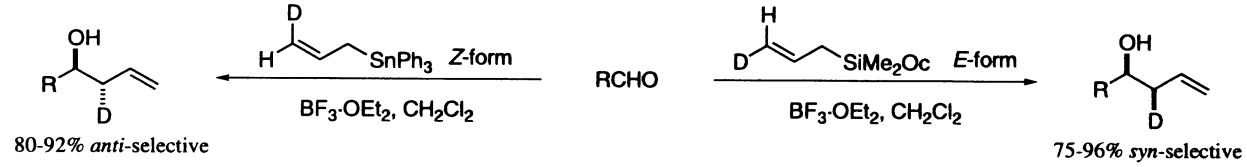


Tetrahedron Letters 43 (2002) 3045

Stereospecific formation of deuterated homoallyl alcohols by Lewis acid-promoted reactions of allyltin and allylsilicon reagents toward aldehydes

Yutaka Nishigaichi* and Akio Takuwa

Department of Material Science, Faculty of Science and Engineering, Shimane University, 1060 Nishikawatsu-cho, Matsue, Shimane 690-8504, Japan

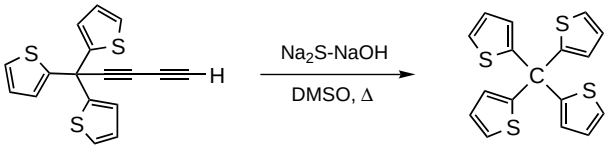


Tetrahedron Letters 43 (2002) 3049

Synthesis of tetrakis(2-thienyl)methane

Kouzou Matsumoto, Hiromichi Nakaminami, Mitsufumi Sogabe, Hiroyuki Kurata and Masaji Oda*

Department of Chemistry, Graduate School of Science, Osaka University, Toyonaka 560-0043, Japan

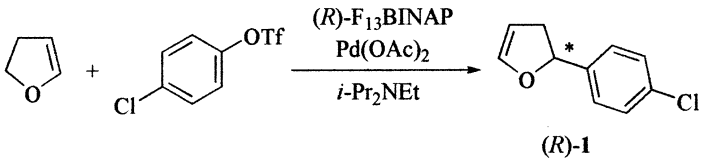


Tetrahedron Letters 43 (2002) 3053

Preparation of a fluorous chiral BINAP and application to an asymmetric Heck reaction

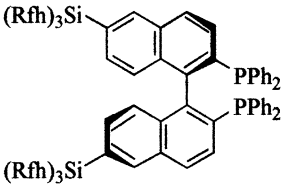
Yutaka Nakamura,* Seiji Takeuchi,* Songlin Zhang, Kazuo Okumura and Yoshiaki Ohgo

Niigata College of Pharmacy, 5-13-2 Kamishin'ei cho, Niigata 950-2081, Japan



(*R*)-**1**

up to 93% ee



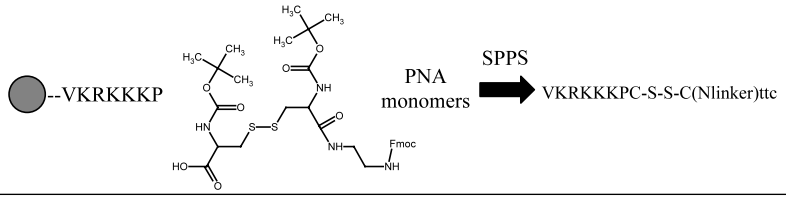
Rfh = $C_6F_{13}CH_2CH_2$-: (*R*)-F_{13}BINAP

Tetrahedron Letters 43 (2002) 3057

Optimised solid phase synthesis of a cystine-linked peptide-PNA chimera

Enrico Millo,[a] Raffaele Nicolai,[a] Sonia Scarfi',[a] Carlo Scapolla,[a] Barbara Biasotti,[b] Umberto Benatti[a] and Gianluca Damonte[a,*]

[a]*Department of Experimental Medicine, Section Biochemistry, University of Genoa, Viale Benedetto XV, 1, 16132 Genoa, Italy*
[b]*Laboratory of Experimental Oncology, National Institute for Cancer Research, 16132 Genoa, Italy*

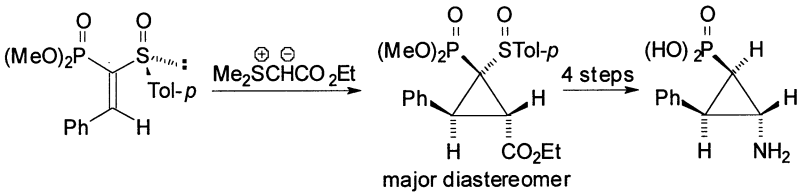


Tetrahedron Letters 43 (2002) 3061

Asymmetric cyclopropanation of chiral (1-dimethoxyphosphoryl-2-phenyl)vinyl *p*-tolyl sulfoxide: a new synthesis of enantiomerically pure 2-amino-3-phenyl-1-cyclopropane-phosphonic acid—a constrained analog of phaclofen

Wanda H. Midura and Marian Mikołajczyk*

Centre of Molecular and Macromolecular Studies, Department of Heteroorganic Chemistry, Polish Academy of Sciences, 90-363 Łódź, Sienkiewicza 112, Poland



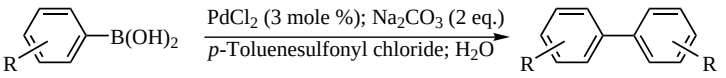
Tetrahedron Letters 43 (2002) 3067

Ligandless palladium chloride-catalyzed homo-coupling of arylboronic acids in aqueous media

George W. Kabalka* and Lei Wang

Departments of Chemistry and Radiology, The University of Tennessee, Knoxville, TN 37996-1600, USA

In the presence of *p*-toluenesulfonyl chloride, ligandless palladium chloride catalyzes the homo-coupling of arylboronic acids to afford symmetrical biaryls in excellent yields.



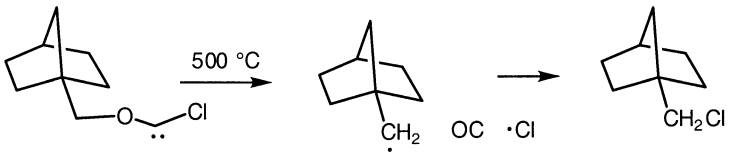
Tetrahedron Letters 43 (2002) 3069

Fragmentation of alkoxychlorocarbenes in the gas phase

Michael E. Blake,[a] Maitland Jones, Jr.,[a,*] Fengmei Zheng[b] and Robert A. Moss[b,*]

[a]*Department of Chemistry, Princeton University, Princeton, NJ 08544, USA*
[b]*Department of Chemistry, Rutgers University, New Brunswick, NJ 08903, USA*

In contrast to photolysis or thermal decomposition in solution, which is dominated by ionic reactions, flash vacuum pyrolysis of alkylchlorodiazirines in the gas phase generates radicals.

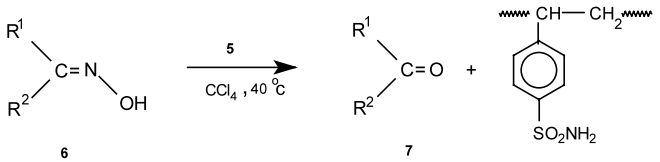


Tetrahedron Letters 43 (2002) 3073

Facile regeneration of carbonyl compounds from oximes using poly[4-vinyl-*N*,*N*-dichlorobenzenesulfonamide]

Ardeshir Khazaei* and Ramin Ghorbani Vaghei

Department of Chemistry, Faculty of Science, Bu-Ali Sina University, Hamadan, Iran

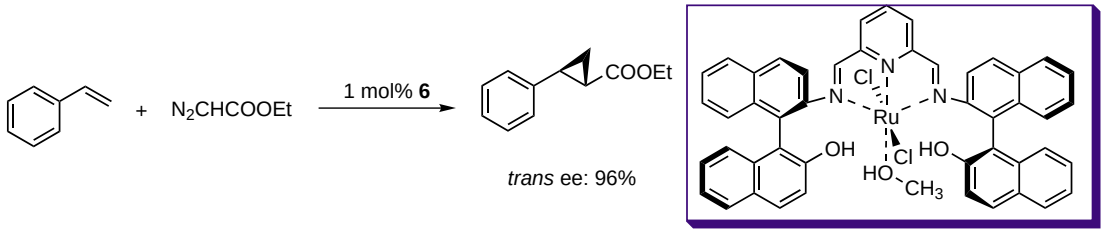


A new chiral ruthenium complex for catalytic asymmetric cyclopropanation

Tetrahedron Letters 43 (2002) 3075

Wenjun Tang, Xinquan Hu and Xumu Zhang*

Department of Chemistry, The Pennsylvania State University, University Park, PA 1680, USA



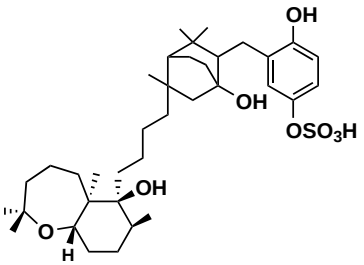
6

A new pentacyclic sulfated hydroquinone from the marine sponge *Haliclona* sp.

Tetrahedron Letters 43 (2002) 3079

Heidi R. Bokesch,[b] Amy C. Stull,[a] Lewis K. Pannell,[c] Tawnya C. McKee[a] and Michael R. Boyd[a,*]

[a]*Molecular Targets Drug Discovery Program, Center for Cancer Research, National Cancer Institute at Frederick, Frederick, MD 21702-1201, USA*
[b]*Intramural Research Support Program, SAIC Frederick, Frederick, MD 21702-1201, USA*
[c]*Laboratory of Bioorganic Chemistry, NIDDK, NIH, Bethesda, MD 20892, USA*



A new pentacyclic sulfated hydroquinone, phuklona sulfate, has been isolated from the marine sponge *Haliclona* sp. Phuklona sulfate contains a novel triterpenoid carbon skeleton linked to a sulfated hydroquinone moeity.

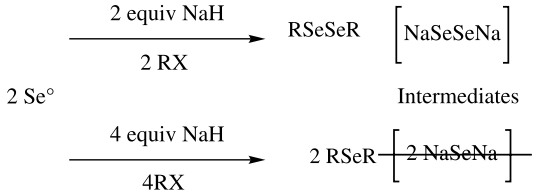
Synthesis of diselenides and selenides from elemental selenium

Tetrahedron Letters 43 (2002) 3083

Alain Krief[a,*] and Michel Derock[a,b]

[a]*Laboratoire de Chimie Organique de Synthèse, Département de Chimie, Facultés Universitaires Notre-Dame de la Paix, 61 rue de Bruxelles, Namur B-5000, Belgium*
[b]*Fonds pour la Formation à la Recherche dans l'Industrie et dans l'Agriculture, 5 Rue d'Egmont, Bruxelles B-1050, Belgium*

Sodium hydride is able to reduce elemental selenium to sodium diselenide, but not to sodium selenide.

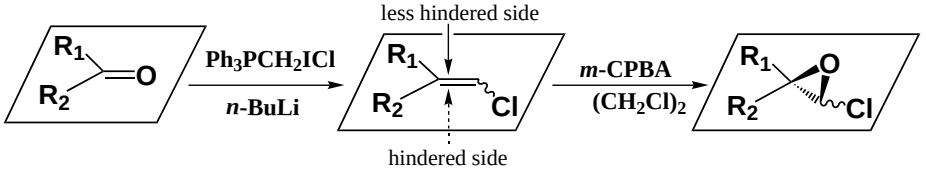


Improved synthetic method for preparing spiro α-chloroepoxides

Tetrahedron Letters 43 (2002) 3087

Ken-ichi Sato,* Takao Sekiguchi, Tetsuya Hozumi, Toshiya Yamazaki and Shoji Akai

Laboratory of Organic Chemistry, Faculty of Engineering, Kanagawa University, 3-27-1, Rokkakubashi, Kanagawa-ku, Yokohama 221-8686, Japan



Tetrahedron Letters 43 (2002) 3091

Copper-promoted C–N bond cross-coupling with phenylstannane

Patrick Y. S. Lam,* Guillaume Vincent, Damien Bonne and Charles G. Clark

Bristol-Myers Squibb Co., Experimental Station, PO Box 80500, Wilmington, DE 19880-0500, USA

Copper-promoted C–N bond cross-coupling of NH-containing substrates with phenylstannane at room temperature was accomplished with the addition of TBAF.