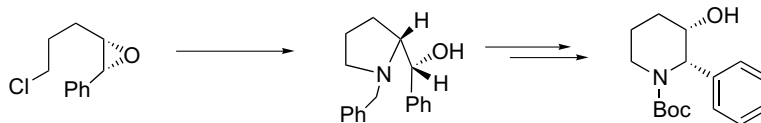
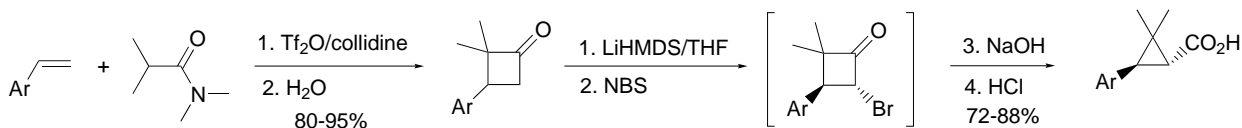


**Asymmetric synthesis of (2*S*,3*S*)-3-hydroxy-2-phenylpiperidine via ring expansion***Tetrahedron Letters 42 (2001) 6223*

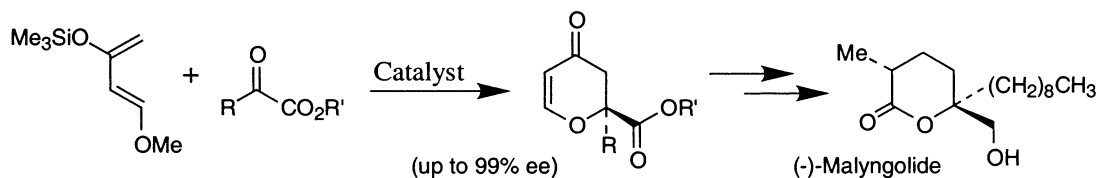
Jaemoon Lee,\* Thoa Hoang, Stephanie Lewis, Steven A. Weissman, David Askin, R. P. Volante and P. J. Reider

*Department of Process Research, Merck Research Laboratories, Merck & Co., Inc., PO Box 2000 Rahway, NJ 07065, USA***A new facile method for the stereoselective synthesis of *trans*-2-aryl-3,3-dimethylcyclopropane-1-carboxylic acids***Tetrahedron Letters 42 (2001) 6227*

Bang-Chi Chen,\* Khehyong Ngu, Peng Guo, Wen Liu, Joseph E. Sundeen, David S. Weinstein, Karnail S. Atwal and Saleem Ahmad\*

*Discovery Chemistry, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ 08543, USA***Asymmetric hetero Diels–Alder route to quaternary carbon centers: synthesis of (–)-malyngolide***Tetrahedron Letters 42 (2001) 6231*

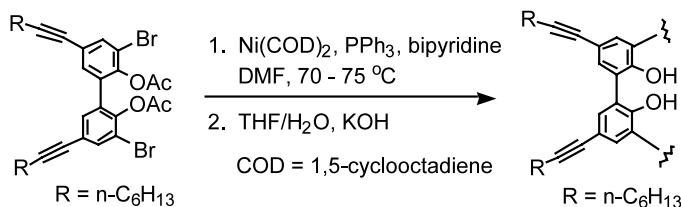
Arun K. Ghosh\* and Michio Shirai

*Department of Chemistry, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607, USA***Construction of an *ortho*-phenol polymer***Tetrahedron Letters 42 (2001) 6235*

Ming-Hua Xu, Zhi-Ming Lin and Lin Pu\*

*Department of Chemistry, University of Virginia, Charlottesville, VA 22904-4319, USA*

The Ti(IV) complex of this polymer catalyzes the reaction of phenylacetylene with benzaldehyde in the presence of diethylzinc.



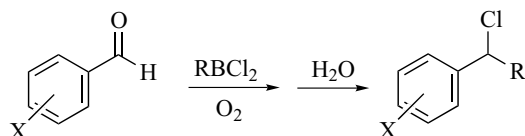
## Chloroalkylation of aryl aldehydes using alkylboron dichlorides in the presence of oxygen

*Tetrahedron Letters* 42 (2001) 6239

George W. Kabalka,\* Zhongzhi Wu and Yuhong Ju

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

Reactions of aryl aldehydes with alkylboron dichloride derivatives in the presence of oxygen at room temperature produce arylalkyl chlorides in good to excellent yields.

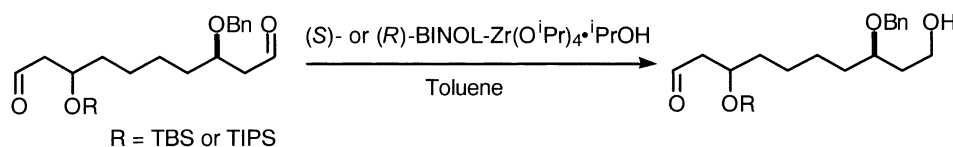


## Selective reduction of aldehydes via BINOL–Zr complex

*Tetrahedron Letters* 42 (2001) 6243

Miguel Lorca, Dan Kuhn and Michio Kurosu\*

*Department of Chemistry, The Florida State University, Tallahassee, FL 32306, USA*



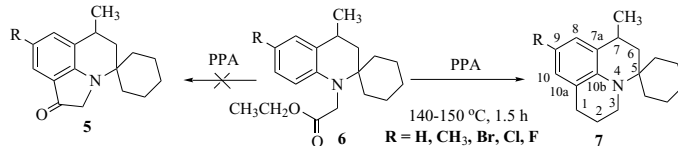
## Unexpected and novel synthesis of spirojulolidines via intramolecular cyclization of *N*-carbethoxymethyl spirotetrahydroquinolines catalyzed by PPA

*Tetrahedron Letters* 42 (2001) 6247

Alirio Palma,<sup>a</sup> Claudia Carrillo,<sup>a</sup> Elena Stashenko,<sup>a</sup> Vladimir Kouznetsov,<sup>a,\*</sup> Alí Bahsas<sup>b</sup> and Juan Amaro-Luis<sup>b</sup>

<sup>a</sup>Research Center for Biomolecules, Laboratory of Fine Organic Synthesis, School of Chemistry, Industrial University of Santander, A.A. 678, Bucaramanga, Colombia

<sup>b</sup>Laboratorio de RMN, Grupo de Productos Naturales, Departamento de Química, Universidad de los Andes, Mérida, Venezuela 5101



## Regioselectivity of Pictet–Spengler cyclization: synthesis of halotetrahydroisoquinolines

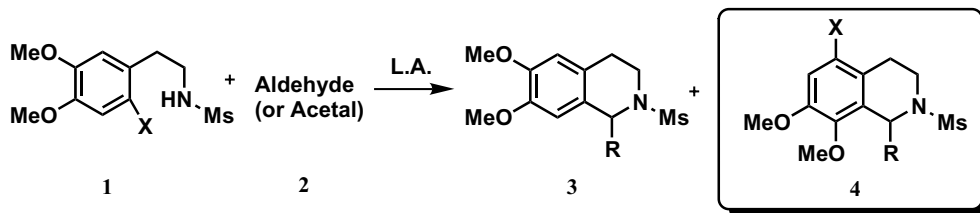
*Tetrahedron Letters* 42 (2001) 6251

Su-Dong Cho,<sup>a,\*</sup> Sang-Yong Song,<sup>a</sup> Eun-Joo Hur,<sup>a</sup> Ma Chen,<sup>a</sup> Woo-Hong Joo,<sup>a</sup> J. R. Falck,<sup>b</sup> Yong-Jin Yoon<sup>c</sup> and Dong-Soo Shin<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Changwon National University, Changwon, 641-773, South Korea

<sup>b</sup>Department of Biochemistry, University of Texas Southwestern Medical Center, Dallas, TX 75390, USA

<sup>c</sup>Department of Chemistry, Gyeongsang National University, Chinju 660-701, South Korea



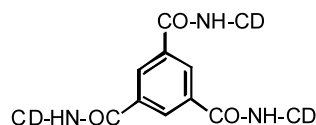
### Synthesis and binding properties of cyclodextrin trimers

David K. Leung, Joshua H. Atkins and Ronald Breslow\*

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

Cyclodextrin trimers and dimers bind dimers and trimers of amino acids with high affinity and selectivity.

*Tetrahedron Letters* 42 (2001) 6255

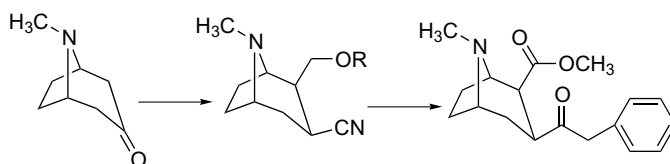


### Synthesis of C-3 alkyl analogs of cocaine

Shi Xian Deng,\* Dan Wen Huang and Donald W. Landry

Division of Clinical Pharmacology and Experimental Therapeutics, Department of Medicine, Columbia University, 630 West 168 Street, New York, NY 10032, USA

*Tetrahedron Letters* 42 (2001) 6259



### P(RNCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N-catalyzed diastereoselective synthesis of oxazolines

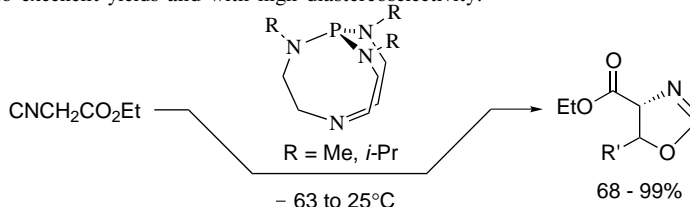
Philip Kisanga,<sup>a,b</sup> Palanichamy Ilankumaran<sup>a,c</sup> and John G. Verkade<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Iowa State University, Ames, IA 50011, USA

<sup>b</sup>Aldrich Chemical Company, 940 W. St. Paul Ave., Dept. 271, Milwaukee, WI 53233, USA

<sup>c</sup>122B, Cedar Lane, Highland Park, NJ 08904, USA

*trans*-Oxazolines are made in good to excellent yields and with high diastereoselectivity.



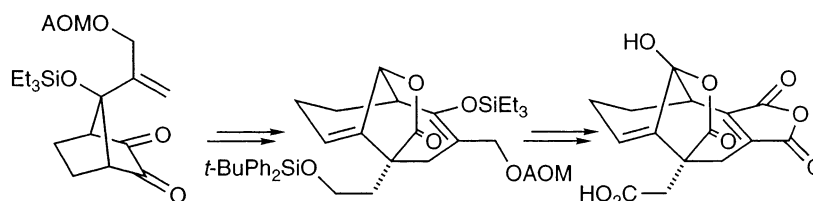
*Tetrahedron Letters* 42 (2001) 6263

### Synthesis of the racemic tetracyclic core of CP-225,917— a model compound lacking the sidearms of the natural product

Derrick L. J. Clive\* and Shaoyi Sun

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

*Tetrahedron Letters* 42 (2001) 6267

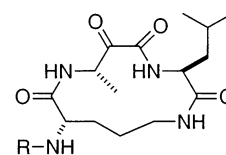


### Concise total synthesis of the prolyl endopeptidase inhibitor eurystatin A via a novel Passerini reaction–deprotection–acyl migration strategy

Timothy D. Owens, Gian-Luca Araldi, Ruth F. Nutt and J. Edward Semple\*

Department of Medicinal Chemistry, Corvas International, Inc.,  
3030 Science Park Road, San Diego, CA 92121, USA

Application of the atom-economical title reaction sequence to alaninal, leucine isonitrile, and ornithine components delivered adduct **11**, which constitutes the entire acyclic skeleton of the eurystatins. Subsequent elaboration efficiently afforded eurystatin A **1a** in high yield.



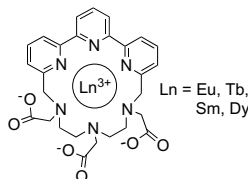
**1a**, eurystatin A  
R = (*E*)-6-methyl-2-heptenoyl

*Tetrahedron Letters* 42 (2001) 6271

### Novel terpyridine macrocyclic complexing agent and luminescence of its neutral Ln(III) complexes (Ln = Eu, Tb, Sm, Dy) in aqueous solution

Chantal Galaup, Jean Marc Couchet, Claude Picard\* and Pierre Tisnès

Laboratoire de Synthèse et Physicochimie de Molécules d'Intérêt Biologique, CNRS UMR 5068, Université Paul Sabatier,  
118 route de Narbonne, 31062 Toulouse cedex 04, France



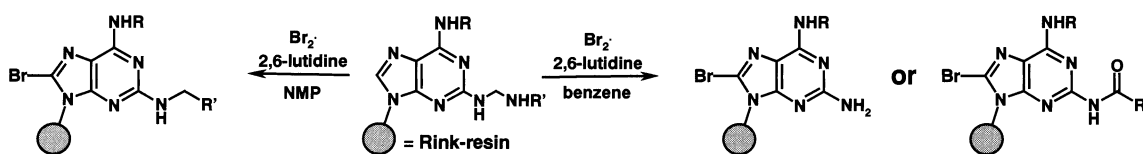
*Tetrahedron Letters* 42 (2001) 6275

### The bromination of purines with a charge transfer complex between bromine and lutidine

Wolfgang K.-D. Brill\* and Claudia Riva-Toniolo

Combinatorial Chemistry Unit, Novartis Pharma AG, Lichtstrasse 35, CH-4056 Basle, Switzerland

2,6-Diaminopurines were brominated with a complex between lutidine and bromine under different conditions.



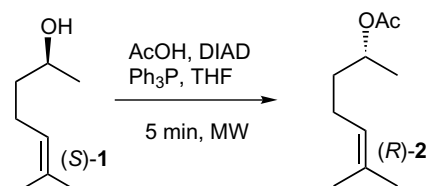
*Tetrahedron Letters* 42 (2001) 6279

### High-speed microwave-promoted Mitsunobu inversions. Application toward the deracemization of sulcatol

Andreas Steinreiber, Alexander Stadler, Sandra F. Mayer, Kurt Faber and C. Oliver Kappe\*

Institute of Chemistry, Organic and Bioorganic Chemistry,  
Karl-Franzens-University Graz, Heinrichstraße 28, A-8010 Graz, Austria

Deracemization of aggregation pheromones (*R*)- and (*S*)-**1** (sulcatol) is described, using an enzymatic resolution/Mitsunobu inversion strategy. The racemization-free high-speed Mitsunobu reaction was achieved by microwave irradiation in single-mode reactors.



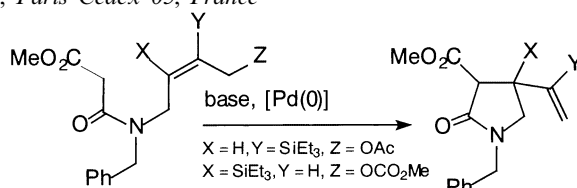
*Tetrahedron Letters* 42 (2001) 6283

Tetrahedron Letters 42 (2001) 6287

Giovanni Poli,<sup>a,\*</sup> Giuliano Giambastiani,<sup>a</sup> Max Malacria<sup>b,\*</sup> and Serge Thorimbert<sup>b</sup>

<sup>a</sup>*Laboratoire de Chimie des Organoéléments, UMR 7611 CNRS, Université Pierre et Marie Curie, Tour 44-45, 4, Place Jussieu, Boîte 183, F-75252, Paris Cedex 05, France*

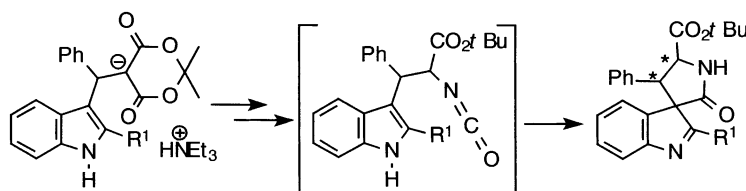
<sup>b</sup>Laboratoire de Chimie Organique de Synthèse, UMR 7611 CNRS, Université Pierre et Marie Curie, Tour 44-54, 4, Place Jussieu, Boîte 229, F-75252, Paris Cedex 05, France



Tetrahedron Letters 42 (2001) 6291

Fabien Cochard, Janos Sapi and Jean-Yves Laronze\*

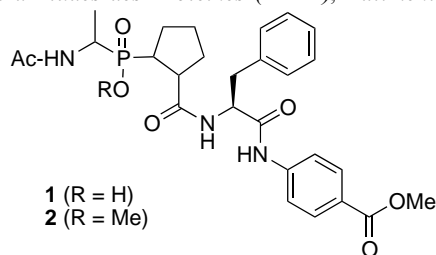
UMR 6013 'Isolement, Structure, Transformations et Synthèse de Produits Naturels', IFR 53 Biomolécules, Faculté de Pharmacie, Université de Reims-Champagne-Ardenne, 51, rue Cognacq-Jay, F-51096 Reims Cedex, France



*Tetrahedron Letters* 42 (2001) 6295

Luc Demange and Christophe Dugave\*

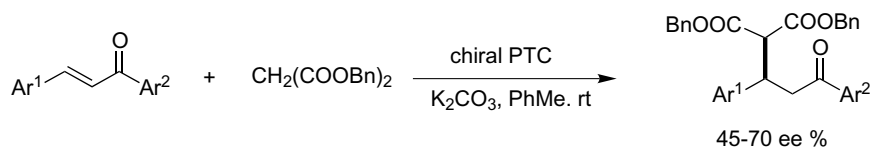
CEA/Saclay, Département d'Ingénierie et d'Etudes des Protéines (DIEP), Bâtiment 152, Gif-sur-Yvette, France



*Tetrahedron Letters* 42 (2001) 6299

Dae Young Kim,\* Sun Chul Huh and Sung Min Kim

Department of Chemistry, Soonchunhyang University, Asan PO Box 97, Chungnam 336-600, South Korea

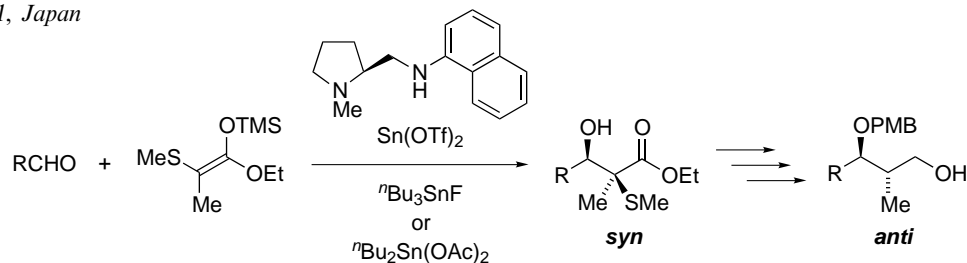


### Enantioselective synthesis of $\beta$ -hydroxy- $\alpha$ -methyl- $\alpha$ -methylthio esters as precursors of *anti*-vic-hydroxymethyl units

Isamu Shiina\* and Ryoutarou Ibuka

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

*Tetrahedron Letters* 42 (2001) 6303

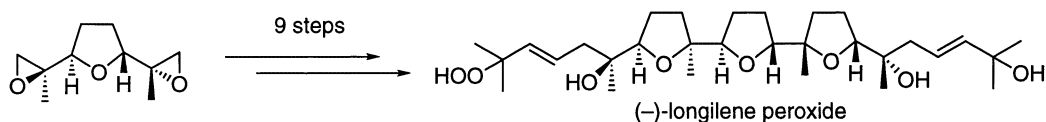


### Total synthesis and determination of the absolute configuration of (–)-longilene peroxide

Yoshiki Morimoto,\* Toshiyuki Iwai and Takamasa Kinoshita

Department of Chemistry, Graduate School of Science, Osaka City University, Sumiyoshi-ku, Osaka 558-8585, Japan

*Tetrahedron Letters* 42 (2001) 6307



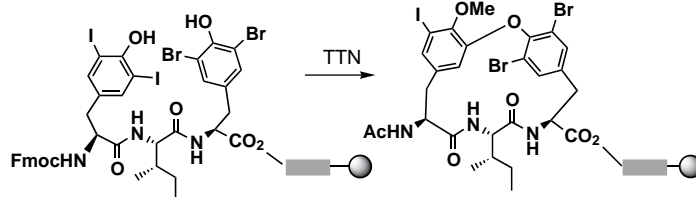
### Synthesis of a cyclic diaryl ether derivative under solid-phase conditions

Kazuhiko Nakamura,<sup>b</sup> Hisa Nishiya<sup>a</sup> and Shigeru Nishiyama<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Kohoku-ku, Yokohama 223-8522, Japan

<sup>b</sup>National Institute of Advanced Industrial Science and Technology, Higashi 1-1, Tsukuba 305-8566, Japan

*Tetrahedron Letters* 42 (2001) 6311



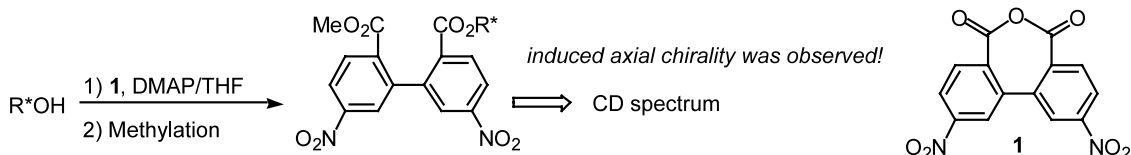
### Chirality transmission in flexible 5,5'-dinitrodiphenic esters connected with chiral secondary alcohols

Shinzo Hosoi,<sup>a,\*</sup> Makiko Kamiya,<sup>a</sup> Fumiyuki Kiuchi<sup>b</sup> and Tomihisa Ohta<sup>a,\*</sup>

<sup>a</sup>Faculty of Pharmaceutical Sciences, Kanazawa University, 13-1 Takara-machi, Kanazawa 920-0934, Japan

<sup>b</sup>Graduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan

*Tetrahedron Letters* 42 (2001) 6315

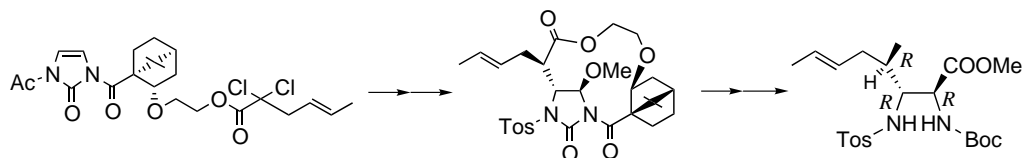


**Stereoselective intramolecular radical addition of polyhaloacyl pendant groups to the 1,3-dihydro-2-imidazolone moiety: the chiral synthesis of *threo*-diaminocarboxylic acids**

*Tetrahedron Letters* 42 (2001) 6319

Tomokazu Katahira, Tadao Ishizuka, Hirofumi Matsunaga and Takehisa Kunieda\*

*Faculty of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862-0973, Japan*

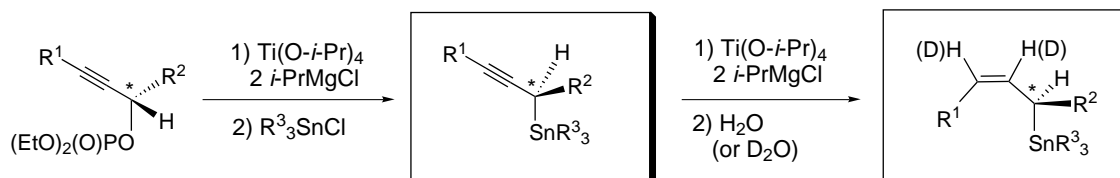


**General synthetic method for preparation of optically active propargyl and allylstannanes**

*Tetrahedron Letters* 42 (2001) 6323

Sentaro Okamoto, Shin-ichiro Matsuda, Duk Keun An and Fumie Sato\*

*Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226-8501, Japan*



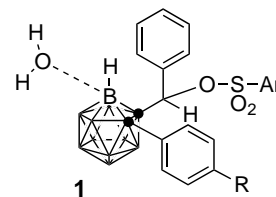
**Electronic effects of icosahedral carboranes: kinetic evidence for interaction between boron atom and nucleophile in the solvolysis of (*o*-carboranyl)benzyl tosylates**

*Tetrahedron Letters* 42 (2001) 6327

Yasuyuki Endo\* and Yoshiyuki Taoda

*Graduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*

New neighboring group effects of cage boron atom of carborane with nucleophile on the solvolysis of (*o*-carboranyl)benzyl tosylates was analyzed by kinetic experiments of **1** with a range of substituents R on the aromatic nuclei.

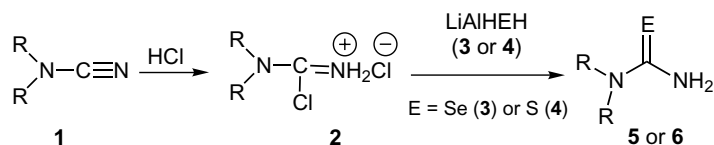


**Preparation of *N,N*-unsubstituted selenoureas and thioureas from cyanamides**

*Tetrahedron Letters* 42 (2001) 6333

Mamoru Koketsu,\* Yoshihisa Fukuta and Hideharu Ishihara\*

*Department of Chemistry, Faculty of Engineering, Gifu University, Gifu 501-1193, Japan*

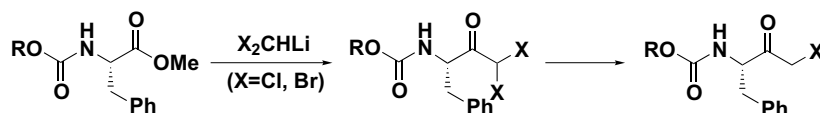


### Dihalomethylation of *N*-protected phenylalanine esters

*Tetrahedron Letters* 42 (2001) 6337

Tomoyuki Onishi, Yasuyuki Otake, Naoko Hirose, Takashi Nakano, Takayoshi Torii, Masakazu Nakazawa and Kunisuke Izawa\*

*AminoScience Laboratories, Ajinomoto Co. Inc., 1-1 Suzuki-cho, Kawasaki 210-8681, Japan*



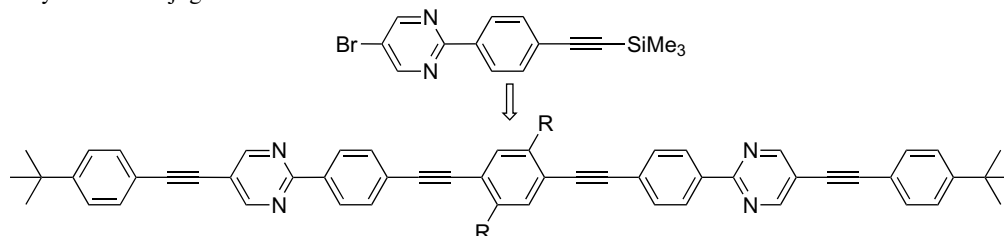
### Synthesis and properties of pyrimidine-containing linear molecules

*Tetrahedron Letters* 42 (2001) 6341

Ken-Tsung Wong,\* Yun-Ruei Lu and Yuan-Li Liao

*Department of Chemistry, National Taiwan University, Taipei 106, Taiwan*

The synthesis of pyrimidine-containing linear molecules and the control on the arrangement of dipolar orientation of pyrimidine moiety in the conjugated backbone are described.



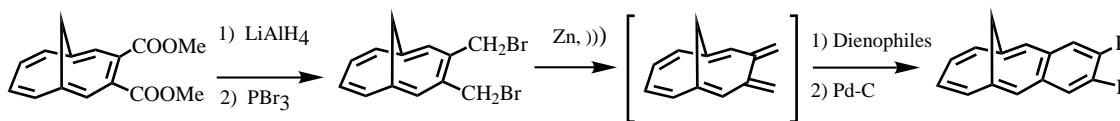
### Generation and [4+2] cycloaddition of 1,6-methano[10]annulene-3,4-quinodimethane: a novel synthesis of dimethyl 1,6-methanobenzo-[3,4-*a*][10]annulene-13,14-dicarboxylate

*Tetrahedron Letters* 42 (2001) 6345

Shigeyasu Kuroda,\* Mitsunori Oda,\* Shengli Zuo, Kimiko Kanayama, Shaheen I. M. Shah, Shinji Furuta, Ryuta Miyatake and Mayumi Kyogoku

*Department of Applied Chemistry, Faculty of Engineering, Toyama University, Gofuku 3190, Toyama 930-8555, Japan*

Titled new type of *o*-quinodimethane was generated and trapped by Diels–Alder reactions with dienophiles.



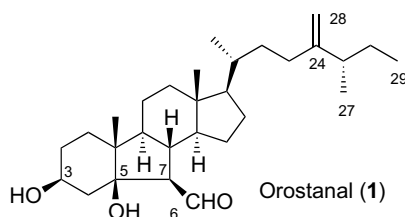
### Orostanal, a novel abeo-sterol inducing apoptosis in leukemia cell from a marine sponge, *Stelletta hiwasaensis*

*Tetrahedron Letters* 42 (2001) 6349

Tomofumi Miyamoto,<sup>a</sup> Kota Kodama,<sup>a</sup> Yuko Aramaki,<sup>a</sup> Ryuichi Higuchi<sup>a,\*</sup> and Rob W. M. Van Soest<sup>b</sup>

<sup>a</sup>Graduate School of Pharmaceutical Sciences, Kyushu University, Maidashi 3-1-1, Higashi-ku, Fukuoka 812-8582, Japan

<sup>b</sup>Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, PO Box 94766, 1090 GT Amsterdam, Netherlands



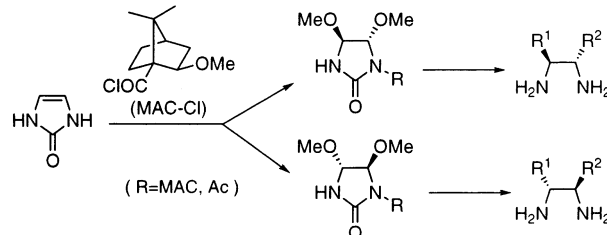


### Versatile chiral synthons for 1,2-diamines: (4*S*,5*S*)- and (4*R*,5*R*)-4,5-dimethoxy-2-imidazolidinones

*Tetrahedron Letters* 42 (2001) 6353

Ryushi Seo, Tadao Ishizuka, Alaa A.-M. Abdel-Aziz and Takehisa Kunieda\*

*Faculty of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862-0973, Japan*

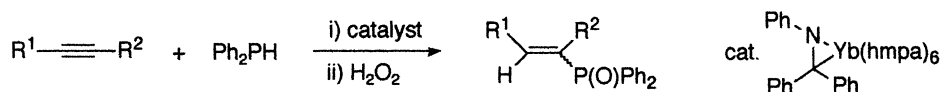


### Intermolecular hydrophosphination of alkynes and related carbon–carbon multiple bonds catalyzed by ytterbium–imine complexes

*Tetrahedron Letters* 42 (2001) 6357

Ken Takaki,\* Mitsuhiro Takeda, Go Koshiji, Tetsuya Shishido and Katsuomi Takehira

*Department of Chemistry and Chemical Engineering, Graduate School of Engineering, Hiroshima University, Kagamiyama, Higashi-Hiroshima 739-8527, Japan*

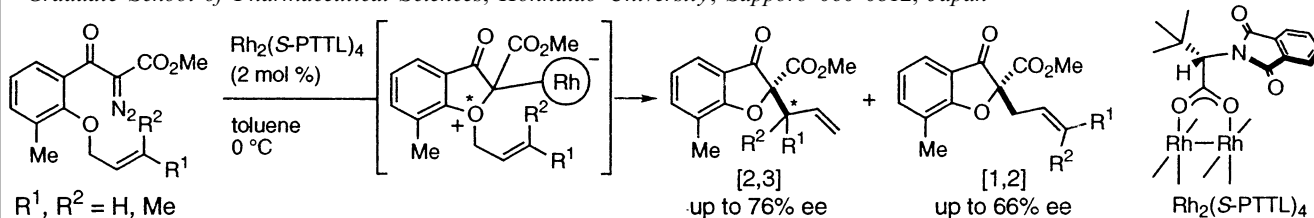


### Enantioselective [2,3]-sigmatropic and [1,2]-Stevens rearrangements via intramolecular formation of allylic oxonium ylides catalyzed by chiral dirhodium(II) carboxylates

*Tetrahedron Letters* 42 (2001) 6361

Shinji Kitagaki, Yoshimasa Yanamoto, Hideyuki Tsutsui, Masahiro Anada, Makoto Nakajima and Shunichi Hashimoto\*

*Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan*



### Structures of bis- and tris(2-phenyl-*o*-carboran-1-yl)benzenes. Construction of three-dimensional structures converted from planar arylacetylenic arrays

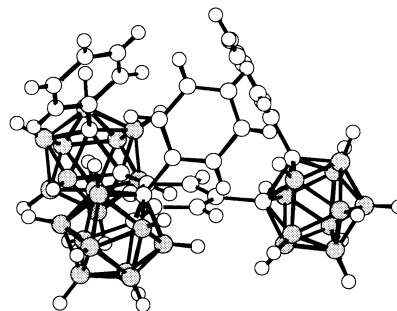
*Tetrahedron Letters* 42 (2001) 6365

Chalermkiat Songkram,<sup>a</sup> Kojiro Takaishi,<sup>b</sup> Kentaro Yamaguchi,<sup>b</sup> Hiroyuki Kagechika<sup>a</sup> and Yasuyuki Endo<sup>a,\*</sup>

<sup>a</sup>*Graduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*

<sup>b</sup>*Chemical Analysis Center, Chiba University, 1-33, Yayoi-cho, Inage-ku, Chiba 250-8522, Japan*

We have synthesized and determined X-ray structures of the title compounds. 1,3-Bis(2-phenyl-*o*-carboran-1-yl)benzene and 1,3,5-tris(2-phenyl-*o*-carboran-1-yl)benzene have *syn* stereochemistry of all the terminal benzene rings, despite their steric overcrowding.



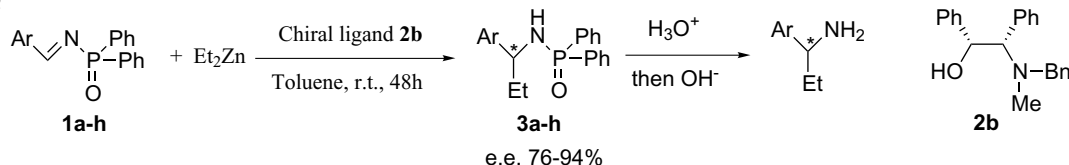
### Enantioselective addition of diethylzinc to *N*-diphenylphosphinoylimines employing *N,N*-dialkyl-1,2-diphenyl-2-aminoethanols as chiral ligands

*Tetrahedron Letters* 42 (2001) 6369

Xiaomei Zhang,<sup>a</sup> Liuzhu Gong,<sup>a,\*</sup> Aiqiao Mi,<sup>a,\*</sup> Xin Cui,<sup>a</sup> Yaozhong Jiang,<sup>a</sup> Michael C. K. Choi<sup>b</sup> and Albert S. C. Chan<sup>b</sup>

<sup>a</sup>Union Laboratory of Asymmetric Synthesis, Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu, 610041, China

<sup>b</sup>Open Laboratory of Chirtechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China



### Preparation of resin-bound alkynyl iodonium salts and their application in organic synthesis as alkynyl transfer reagents

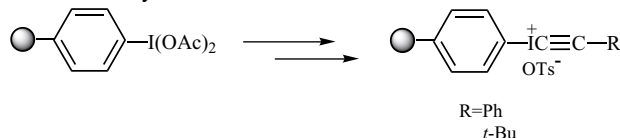
*Tetrahedron Letters* 42 (2001) 6373

Xian Huang<sup>a,b\*</sup> and Qing Zhu<sup>a</sup>

<sup>a</sup>Chemistry Department, Xixi Campus, Zhejiang University, Hangzhou 310028, PR China

<sup>b</sup>National Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 20032, PR China

We have synthesized, for the first time, polymer-supported alkynylphenyl iodonium salts. They served as effective alkynyl transfer reagents for the preparation of acetylenic sulfones.

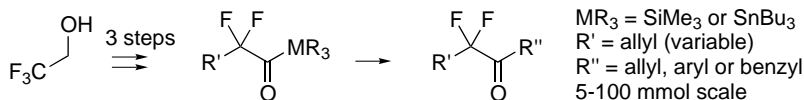


### A direct and useful route to difluoroacylsilanes and difluoroacylstannanes and their potential for the generation of structurally diverse difluoroketones

*Tetrahedron Letters* 42 (2001) 6377

Maxime R. Garayt and Jonathan M. Percy\*

School of Chemistry, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK



### LiBF<sub>4</sub>-catalyzed formation of fused pyrano- and furanobenzopyrans

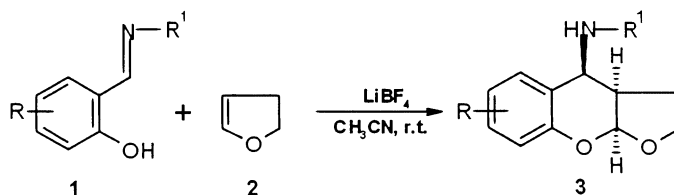
*Tetrahedron Letters* 42 (2001) 6381

J. S. Yadav,<sup>a,\*</sup> B. V. Subba Reddy,<sup>a</sup> Ch. Madhuri,<sup>a</sup> G. Sabitha,<sup>a</sup>

B. Jagannadh,<sup>a</sup> S. Kiran Kumar<sup>b</sup> and A. C. Kunwar<sup>b</sup>

<sup>a</sup>Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500007, India

<sup>b</sup>Centre for Nuclear Magnetic Resonance, Indian Institute of Chemical Technology, Hyderabad 500007, India



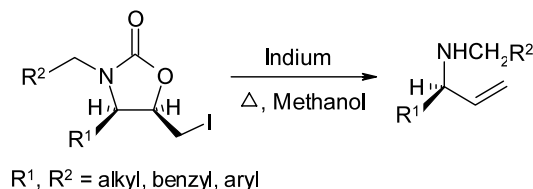
### Indium-mediated facile synthesis of chiral allylic amines

*Tetrahedron Letters 42 (2001) 6385*

J. S. Yadav,\* A. Bandyopadhyay and B. V. S. Reddy

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

An efficient procedure for the synthesis of chiral allylic amines from 5-iodomethyl-2-oxazolidinones using indium metal in refluxing methanol is described.



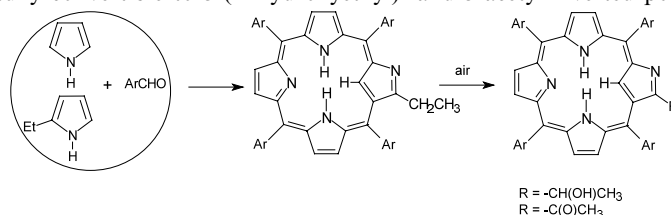
### Application of 2-ethylpyrrole for a direct synthesis of 3-substituted inverted porphyrins

*Tetrahedron Letters 42 (2001) 6389*

Izabela Schmidt and Piotr J. Chmielewski\*

*Department of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland*

Stochastic, Rothemund-type condensation of pyrrole, 2-ethylpyrrole and an arylaldehyde leads to a 3-ethyl-substituted inverted porphyrin that is readily convertible to 3-(1'-hydroxyethyl)- and 3-acetyl-inverted porphyrins.



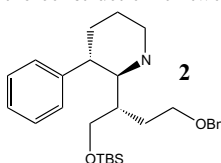
### Synthetic studies towards the octahydro-1*H*-benzo[*f*]pyrrolo[3,2,1-*ij*]quinolines: enantioselective synthesis of (2*R*,3*S*)-2-[(1*S*)-3-(benzyloxy)-1-(*tert*-butyldimethylsilyloxymethyl)propyl]-3-phenylhexahydropyridine

*Tetrahedron Letters 42 (2001) 6393*

George S. Zaponakis and Haralambos E. Katerinopoulos\*

*Division of Organic Chemistry, Department of Chemistry, University of Crete, Heraklion 71 409, Crete, Greece*

Compound **2** was synthesized enantioselectively in nine steps. The enantiomers of the chiral auxiliary, *trans*-2,5-bis-(methoxymethoxymethyl)pyrrolidine, were used for the construction of two out of the three stereogenic centers in **2**.



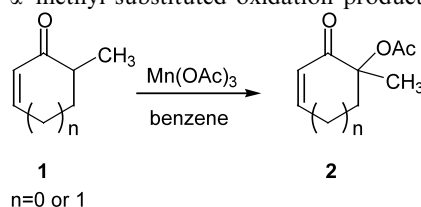
### Manganese(III) acetate based selective oxidation of the tertiary $\alpha'$ -position on various cyclic $\alpha,\beta$ -unsaturated ketones

*Tetrahedron Letters 42 (2001) 6397*

Cihangir Tanyeli,\* Bengü Sezen, Çigdem İyigün and Olcay Elmalı

*Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey*

Manganese(III) acetate based selective oxidation of various  $\alpha'$ -methyl 2-cyclohexenone and 2-cyclopentenone derivatives afforded the corresponding  $\alpha'$ -acetoxy- $\alpha'$ -methyl substituted oxidation products in good yields.

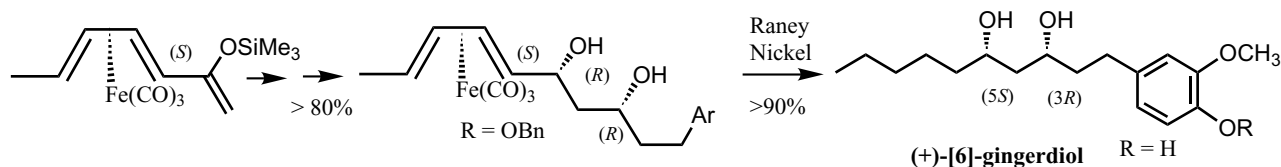


**A new method for the demetallation of tricarbonyliron diene complexes by total hydrogenation with Raney nickel. Application to a very short synthesis of (+)-[6]-gingerdiol**

*Tetrahedron Letters 42 (2001) 6401*

Michel Franck-Neumann,\* Philippe Geoffroy, Paul Bissinger and Sylvie Adelaide

*Laboratoire de Chimie Organique Synthétique, associé au CNRS, Institut de Chimie, Université Louis Pasteur, 1, rue Blaise Pascal, F-67000 Strasbourg, France*

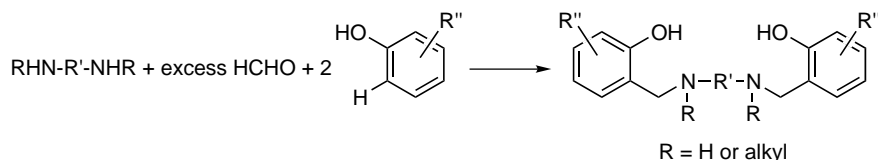


**Single-step synthesis of salans and substituted salans by Mannich condensation**

*Tetrahedron Letters 42 (2001) 6405*

Edit Y. Tshuva, Natalie Gendeziuk and Moshe Kol\*

*School of Chemistry, Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, Tel Aviv 69978, Israel*

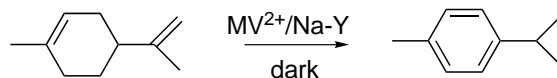


**Electron transfer-induced dehydrogenation reactions within methyl viologen-supported zeolite Na-Y under non-irradiative conditions**

*Tetrahedron Letters 42 (2001) 6409*

Manolis Stratakis\* and Manolis Stavroulakis

*Department of Chemistry, University of Crete, 71409 Iraklion, Greece*



**Deuterium exchange mediated by an iridium-phosphine complex formed in situ**

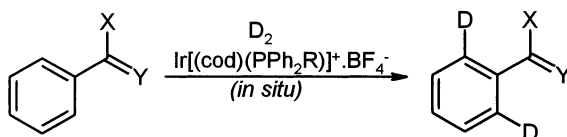
*Tetrahedron Letters 42 (2001) 6413*

George J. Ellames,<sup>a</sup> Jennifer S. Gibson,<sup>a</sup> John M. Herbert,<sup>a,\*</sup> William J. Kerr<sup>b</sup> and Alan H. McNeill<sup>a</sup>

<sup>a</sup>*Isotope Chemistry and Metabolite Synthesis Department, Sanofi-Synthelabo, Willowburn Ave., Alnwick, Northumberland NE66 2JH, UK*

<sup>b</sup>*Department of Pure and Applied Chemistry, University of Strathclyde, 295 Cathedral St., Glasgow G1 1XL, UK*

Deuterium exchange in a variety of aromatic substrates is mediated efficiently by iridium phosphine complexes formed in situ.

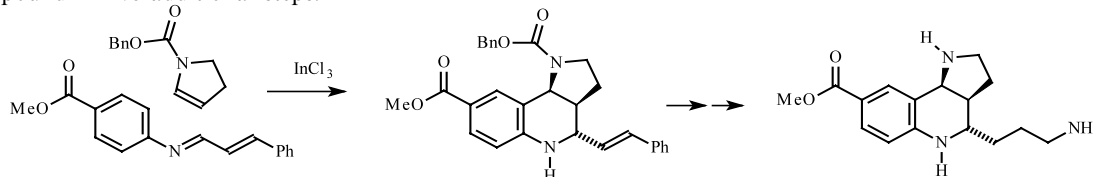


### Synthesis of the heterocyclic core of the alkaloids martinelline and martinellie acid

*Tetrahedron Letters* 42 (2001) 6417

Mark Hadden, Mark Nieuwenhuyzen, Daire Osborne, Paul J. Stevenson\* and Norris Thompson  
*School of Chemistry, The Queen's University of Belfast, Belfast BT9 5AG, UK*

The imino Diels–Alder reaction of an aromatic imine derived from cinnamaldehyde with a cyclic enamide regioselectively gave a key intermediate for the synthesis of martinellie acid in 40% isolated yield. This intermediate was converted to the title compound in five additional steps.



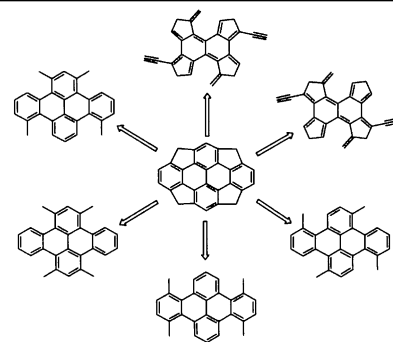
### Synthetic strategies toward buckybowl and C<sub>60</sub>: benzannulation is remarkably facile compared to cyclopentannulation

*Tetrahedron Letters* 42 (2001) 6421

T. C. Dinadayalane and G. Narahari Sastry\*

*Department of Chemistry, Pondicherry University,  
Pondicherry 605 014, India*

The key to success in the synthesis of buckybowl lies in choosing the proper precursors.



### Highly selective cross-metathesis with phenyl vinyl sulphone using the 'second generation' Grubbs' catalyst

*Tetrahedron Letters* 42 (2001) 6425

Karol Grela\* and Michał Bieniek

*Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warsaw, Poland*

A cross-metathesis reaction was achieved between functionalised terminal olefins and phenyl vinyl sulfone by using the commercially available ruthenium catalyst **1c**.

