

**Structural revision of halipeptins: synthesis of the thiazoline unit and isolation of halipeptin C***Tetrahedron Letters* 43 (2002) 5707

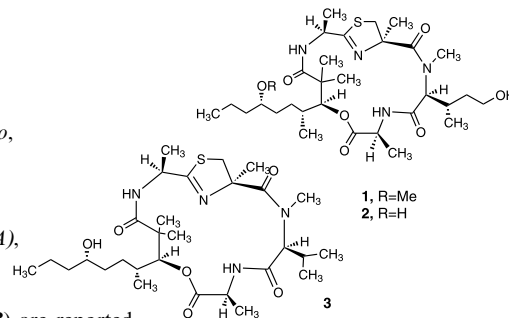
Carmela Della Monica,<sup>c</sup> Antonio Randazzo,<sup>b</sup> Giuseppe Bifulco,<sup>a</sup>  
 Paola Cimino,<sup>a</sup> Maurizio Aquino,<sup>c</sup> Irene Izzo,<sup>c</sup>  
 Francesco De Riccardis<sup>c,\*</sup> and Luigi Gomez-Paloma<sup>a,\*</sup>

<sup>a</sup>Dipartimento di Scienze Farmaceutiche, Università di Salerno, via Ponte Don Melillo, 84084 Fisciano (SA), Italy

<sup>b</sup>Dipartimento di Chimica delle Sostanze Naturali, Università di Napoli Federico II, via D. Montesano 49, 80131 Napoli, Italy

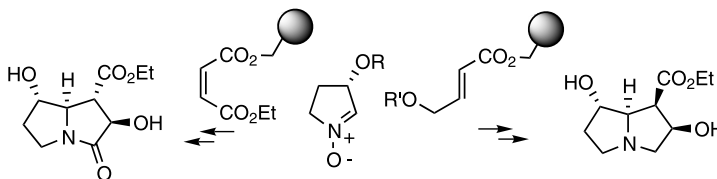
<sup>c</sup>Dipartimento di Chimica, Università di Salerno, Via S. Allende, 84081 Baronissi (SA), Italy

The structural revision of the anti-inflammatory marine metabolites halipeptin A (1) and B (2) along with the isolation of the new related product halipeptin C (3) are reported.

**Solid-phase access to polyhydroxypyrrolizidines by 1,3-dipolar cycloaddition of (S)-3-alkoxyproline N-oxide to maleate and crotonate derivatives***Tetrahedron Letters* 43 (2002) 5711

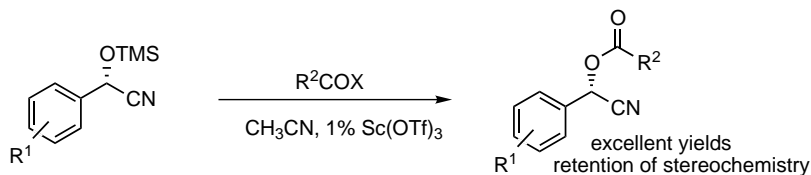
Federica Pisaneschi, Carmela Della Monica, Franca M. Cordero\* and Alberto Brandi\*

Dipartimento di Chimica Organica 'Ugo Schiff', Università degli Studi di Firenze, Polo Scientifico, via della Lastruccia 13, I-50019 Sesto Fiorentino (FI), Italy

**A one-pot esterification of chiral O-trimethylsilyl-cyanohydrins with retention of stereochemistry***Tetrahedron Letters* 43 (2002) 5715

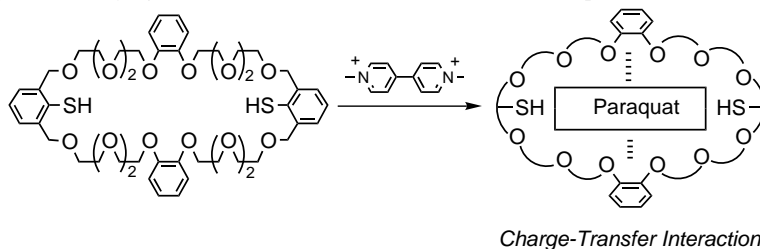
Stephanie Norsikian, Ian Holmes, Franz Lagasse and Henri B. Kagan\*

Laboratoire de Synthèse Asymétrique, ESA 8075, Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, 91405 Orsay, France

**Control of binding affinity to paraquat by novel macrocyclic systems responding to redox reactions***Tetrahedron Letters* 43 (2002) 5719

Tatsuya Nabeshima\* and Daisuke Nishida

Department of Chemistry, University of Tsukuba, Tsukuba, Ibaraki 305-8571, Japan

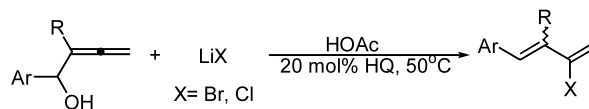


## Unexpected S<sub>N</sub>2'-type addition–elimination reactions of 1-aryl-2,3-allenols with LiX. Synthesis and synthetic application of 1-aryl-3-halo-1,3-dienes

Tetrahedron Letters 43 (2002) 5723

Shengming Ma\* and Guangwei Wang

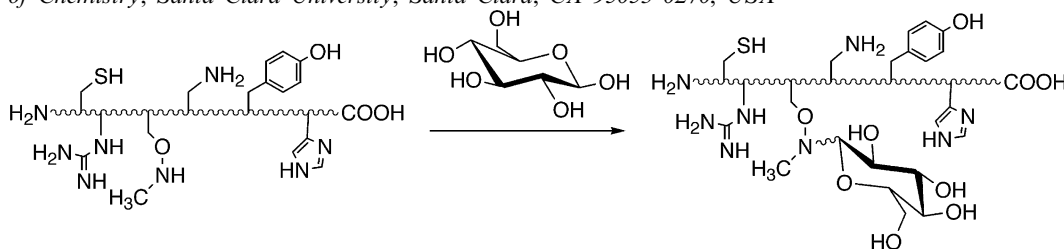
State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, PR China



## Synthesis of neoglycopeptides by chemoselective reaction of carbohydrates with peptides containing a novel N'-methyl-aminooxy amino acid

Tetrahedron Letters 43 (2002) 5727

Michael R. Carrasco,\* Michael J. Nguyen, Dawn R. Burnell, Michael D. MacLaren and Shawna M. Hengel  
Department of Chemistry, Santa Clara University, Santa Clara, CA 95053-0270, USA

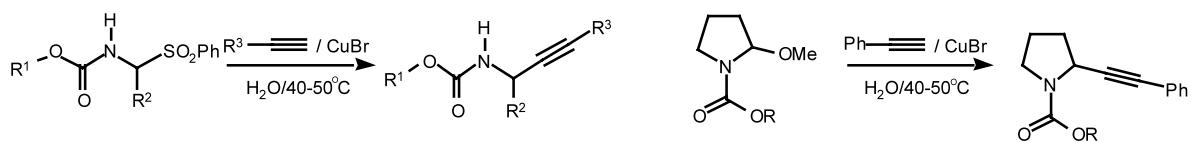


## Cu(I)Br mediated coupling of alkynes with N-acylimine and N-acyliminium ions in water

Tetrahedron Letters 43 (2002) 5731

Jianheng Zhang, Chunmei Wei and Chao-Jun Li\*

Department of Chemistry, Tulane University, 6400 Freret Street, New Orleans, LA 70118, USA



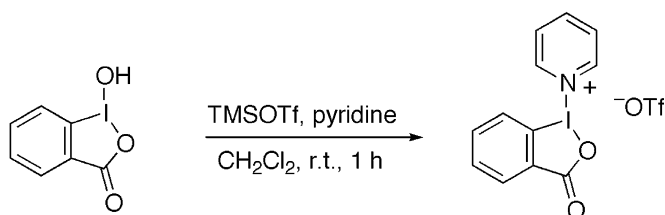
## Complexes of hypervalent iodine compounds with nitrogen ligands

Tetrahedron Letters 43 (2002) 5735

Viktor V. Zhdankin,\* Alexey Y. Koposov and Nikolai V. Yashin

Department of Chemistry, University of Minnesota Duluth, Duluth, MN 55812, USA

The preparation of stable 1:1 complexes of benziodoxole and iodylbenzene with heterocyclic amines is reported.



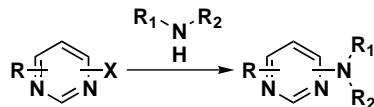
## Microwave-assisted synthesis of aminopyrimidines

Tetrahedron Letters 43 (2002) 5739

Guanglin Luo,\* Ling Chen and Graham S. Poindexter

Department of Chemistry, Bristol-Myers Squibb Pharmaceutical Research Institute, 5 Research Parkway, Wallingford, CT, USA

Series of mono- or di-substituted aminopyrimidine derivatives were synthesized through microwave-assisted aromatic nucleophilic substitution or Suzuki coupling.



## Synthesis of ( $\pm$ )-misprylic acid, a triterpene inhibitor of DNA polymerase $\beta$ isolated from *Mischocarpus pyriformis*

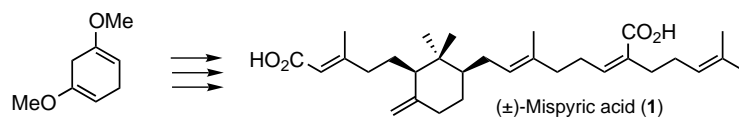
Tetrahedron Letters 43 (2002) 5743

Yusuke Imamura,<sup>a</sup> Hirosato Takikawa<sup>b</sup> and Kenji Mori<sup>c,\*</sup>

<sup>a</sup>Department of Chemistry, Science University of Tokyo, Kagurazaka 1-3, Shinjuku-ku, Tokyo 162-8601, Japan

<sup>b</sup>Department of Biofunctional Chemistry, Kobe University, Rokkodai 1-1, Nada-ku, Kobe 657-8501, Japan

<sup>c</sup>Insect Pheromone and Traps Division, Fuji Flavor Co. Ltd., Midorigaoka 3-5-8, Hamura, Tokyo 205-8503, Japan



## A new synthetic method for rotaxanes via tandem Claisen rearrangement, diesterification, and aminolysis

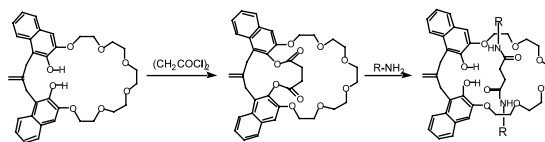
Tetrahedron Letters 43 (2002) 5747

Kazuhisa Hiratani,<sup>a,b,\*</sup> Jun-ichi Suga,<sup>c</sup> Yoshinobu Nagawa,<sup>b</sup> Hirohiko Houjou,<sup>b</sup> Hideo Tokuhisa,<sup>b</sup> Munenori Numata<sup>b</sup> and Kunihiro Watanabe<sup>c</sup>

<sup>a</sup>Department of Applied Chemistry, Utsunomiya University, 7-1-2 Youtou, Utsunomiya 321-8585, Japan

<sup>b</sup>Nanoarchitectonics Research Center, National Institute of Advanced Industrial Science and Technology, Tsukuba Central 4, 1-1-1 Higashi, Tsukuba 305-8562, Japan

<sup>c</sup>Department of Industrial Chemistry, Tokyo University of Science, Noda, Chiba 278-8510, Japan

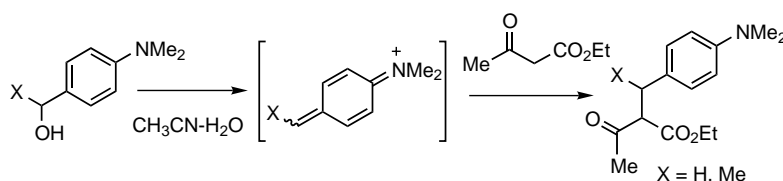


## Nucleophilic substitution on 4-hydroxymethylanilines under 'neutral' conditions via aza quinone methide intermediate

Tetrahedron Letters 43 (2002) 5751

Hiroyasu Takahashi, Nobuyuki Kashiwa, Hisayoshi Kobayashi, Yuichi Hashimoto and Kazuo Nagasawa\*

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



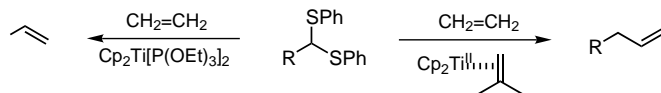
## Titanocene(II)-promoted reactions of thioacetals with ethylene: selective formation of terminal olefins with one- or two-carbon homologation

Tetrahedron Letters 43 (2002) 5755

Akira Tsubouchi, Emi Nishio, Yoshiko Kato, Tooru Fujiwara and Takeshi Takeda\*

Department of Applied Chemistry, Tokyo University of Agriculture and Technology, Koganei, Tokyo 184-8588, Japan

Titanocene(II)-promoted reaction of thioacetals with ethylene selectively affords terminal olefins with one- or two-carbon homologation depending on the ligand of the titanocene(II) species.



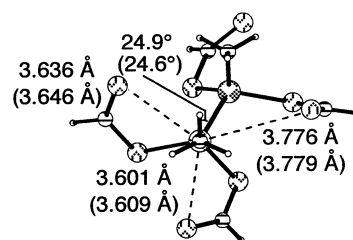
## Hypercoordination to a saturated carbon atom

Tetrahedron Letters 43 (2002) 5759

Yuji Naruse,<sup>a</sup> Satoshi Inagaki,<sup>a,\*</sup> Naokazu Kano,<sup>b</sup> Norikiyo Nakagawa<sup>b</sup> and Takayuki Kawashima<sup>b,\*</sup>

<sup>a</sup>Department of Chemistry, Faculty of Engineering, Gifu University, 1-1, Yanagido Gifu 501-1193, Japan

<sup>b</sup>Department of Chemistry, Graduate School of Science, The University of Tokyo, 7-3-1, Hongo Bunkyo-ku, Tokyo 113-0033, Japan



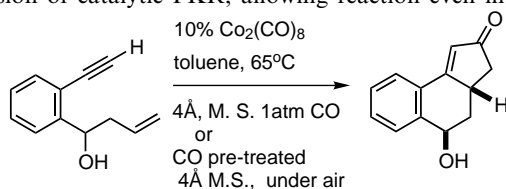
## New protocol for the catalytic Pauson–Khand reaction induced by molecular sieves

Tetrahedron Letters 43 (2002) 5763

Jaime Blanco-Urgoiti, Luis Casarrubios, Gema Domínguez and Javier Pérez-Castells\*

Departamento de Química, Facultad de CC. Experimentales y de la Salud, Universidad San Pablo-CEU, Boadilla del Monte, 28668 Madrid, Spain

Molecular sieves improve conversion of catalytic PKR, allowing reaction even in air atmosphere.

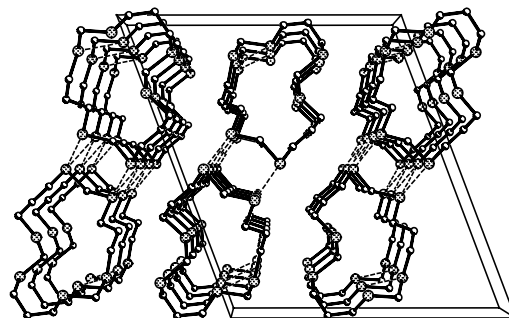


## Self-organization of cyclic selenoethers to yield columnar structures

Tetrahedron Letters 43 (2002) 5767

Daniel B. Werz, Bernhard J. Rausch and Rolf Gleiter\*

Organisch-Chemisches Institut der Universität Heidelberg, Im Neuenheimer Feld 270, D-69120 Heidelberg, Germany

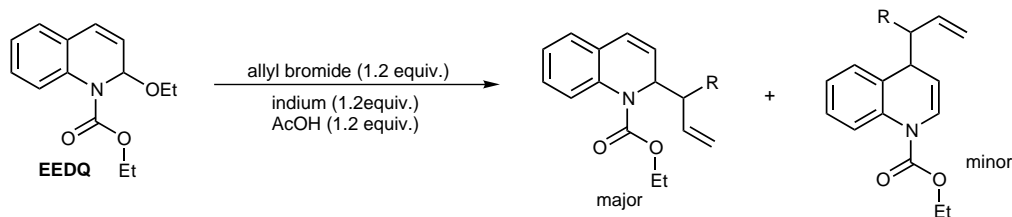


## Syntheses of allyldihydroquinolines: indium-mediated allylations of EEDQ in the presence of acetic acid

Tetrahedron Letters 43 (2002) 5771

Ji Hee Lee, Jin Sun Kweon and Cheol Min Yoon\*

Graduate School of Biotechnology, Korea University, Sungbuk-ku, Anam-dong 1, 5-ka, 136-701, Seoul, South Korea



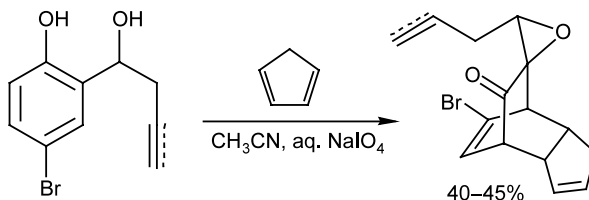
## Cycloaddition of substituted spiroepoxycyclohexa-2,4-dienones: synthesis and X-ray crystal structure of the adducts

Tetrahedron Letters 43 (2002) 5775

Vishwakarma Singh,<sup>a,\*</sup> Dilip K. Tosh,<sup>a</sup> Vinayak V. Kane,<sup>b,\*</sup> Ludger Ernst<sup>b</sup> and Peter G. Jones<sup>b</sup>

<sup>a</sup>Department of Chemistry, Indian Institute of Technology, Bombay, Mumbai 400 076, India

<sup>b</sup>Department of Chemistry, TU Braunschweig, Hagenring 30, D-38106 Braunschweig, Germany



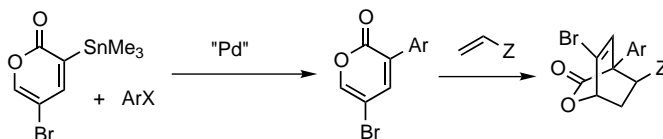
## Stille couplings of 3-(trimethylstannyl)-5-bromo-2-pyrone for the syntheses of 3-aryl-5-bromo-2-pyrones and their ambident dienyl characters

Tetrahedron Letters 43 (2002) 5779

Jin-Hee Lee,<sup>a</sup> Won-Suk Kim,<sup>a</sup> Young Yiol Lee<sup>b</sup> and Cheon-Gyu Cho<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, College of Natural Science, Hanyang University, 133-791 Seoul, South Korea

<sup>b</sup>Department of Internal Medicine, College of Medicine, Hanyang University, 133-791 Seoul, South Korea



## New methoxylated aryltetrahydronaphthalene lignans and a norlignan from *Aglaia cordata*

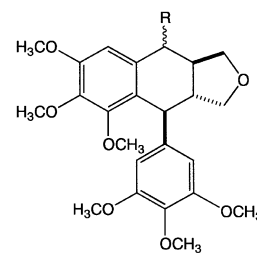
Tetrahedron Letters 43 (2002) 5783

Bin-Gui Wang,<sup>a</sup> Rainer Ebel,<sup>a</sup> Chang-Yun Wang,<sup>a</sup> Victor Wray<sup>b</sup> and Peter Proksch<sup>a,\*</sup>

<sup>a</sup>Institut für Pharmazeutische Biologie, Heinrich-Heine-Universität Düsseldorf, Universitätsstrasse 1, D-40225 Düsseldorf, Germany

<sup>b</sup>Gesellschaft für Biotechnologische Forschung mbH, Mascheroder Weg 1, D-38124 Braunschweig, Germany

Four novel lignans, namely aglacin E–H, all of which contain two unusual contiguous trimethoxylated phenyl systems, were identified from *Aglaia cordata*.



- 1 aglacin E: R =  $\alpha$ -OH
- 2 aglacin F: R =  $\beta$ -OH

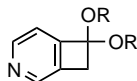
### First [2+2]-cycloaddition of a 3,4-dihydropyridine and a ketene dialkyl acetal

Tetrahedron Letters 43 (2002) 5789

Natacha Mariet, Malika Ibrahim-Ouali\* and Maurice Santelli\*

Laboratoire de Synthèse Organique, UMR n°6009, Centre de St-Jérôme, Av. Esc. Normandie-Niemen, 13397 Marseille Cedex 20, France

The first [2+2] cycloaddition of a 3,4-dihydropyridine to a ketene dialkyl acetal is reported.

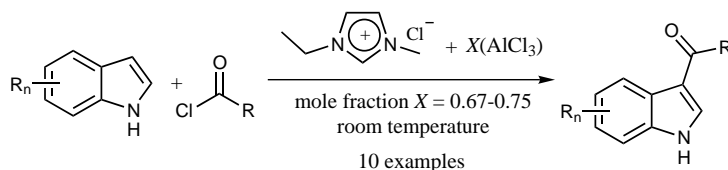


### Friedel–Crafts acylation of indoles in acidic imidazolium chloroaluminate ionic liquid at room temperature

Tetrahedron Letters 43 (2002) 5793

Kap-Sun Yeung,\* Michelle E. Farkas, Zhilei Qiu and Zhong Yang

Bristol-Myers Squibb Pharmaceutical Research Institute, 5 Research Parkway, PO Box 5100, Wallingford, CT 06492, USA



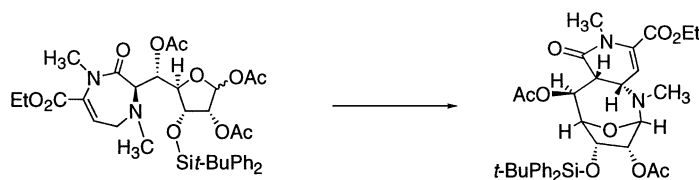
### A Stevens rearrangement thwarts glycosylation with liposidomycin diazepanone ribofuranosyl donors

Tetrahedron Letters 43 (2002) 5797

Spencer Knapp,<sup>a,\*</sup> Gregori J. Morriello<sup>a</sup> and George A. Doss<sup>b</sup>

<sup>a</sup>Department of Chemistry and Chemical Biology, Rutgers—The State University of New Jersey, 610 Taylor Road, Piscataway, NJ 08854-8087, USA

<sup>b</sup>Merck and Co., PO Box 2000, Rahway, NJ 07065-0900, USA

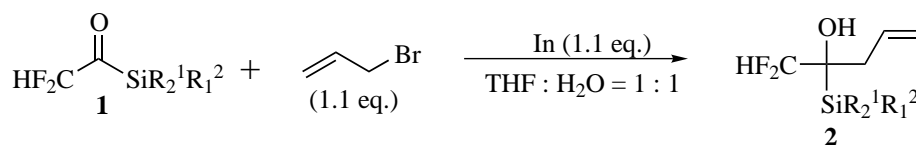


### Indium-mediated allylation reaction of difluoroacetyltrialkylsilanes in aqueous media

Tetrahedron Letters 43 (2002) 5801

Woo Jin Chung, Seiichiro Higashiya and John T. Welch\*

Department of Chemistry, University at Albany, State University of New York, 1400 Washington Ave., Albany, NY 12222, USA



## Synthesis of chiral *trans-anti-trans*-isomers of dicyclohexano-18-crown-6 via an enzymatic reaction and the solid-state structure of one enantiomer

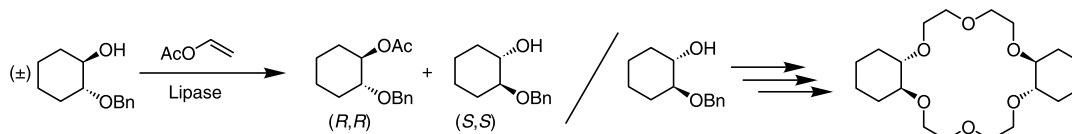
Tetrahedron Letters 43 (2002) 5805

Kazuhiro Yamato,<sup>a</sup> Richard A. Bartsch,<sup>a,\*</sup> Grant A. Broker,<sup>b</sup> Robin D. Rogers<sup>b</sup> and Mark L. Dietz<sup>c</sup>

<sup>a</sup>Department of Chemistry and Biochemistry, Texas Tech University, Lubbock, TX 79409-1061, USA

<sup>b</sup>Department of Chemistry, The University of Alabama, Tuscaloosa, AL 35487-0336, USA

<sup>c</sup>Chemistry Division, Argonne National Laboratory, Argonne, IL 60439-4831, USA



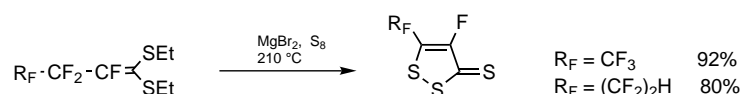
## Fluorinated ketene dithioacetals. Part 9: Synthesis and some chemical properties of new fluorinated 3*H*-1,2-dithiole-3-thiones

Tetrahedron Letters 43 (2002) 5809

Vadim M. Timoshenko,<sup>a,b,\*</sup> Jean-Philippe Bouillon,<sup>a</sup> Yuriy G. Shermolovich<sup>b</sup> and Charles Portella<sup>a,\*</sup>

<sup>a</sup>Laboratoire 'Réactions Sélectives et Applications', Associé au CNRS (UMR 6519), Université de Reims, Faculté des Sciences, B.P. 1039, 51687 Reims Cedex 2, France

<sup>b</sup>Institute of Organic Chemistry, NAS of Ukraine, Murmanskaya 5, Kiev-94, 02094, Ukraine

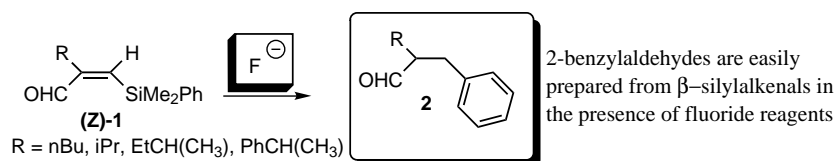


## New synthesis of $\alpha$ -benzylaldehydes from 2-(dimethylphenylsilylmethylene)alkanals by fluoride promoted phenyl migration

Tetrahedron Letters 43 (2002) 5813

Laura Antonella Aronica, Francesca Morini, Anna Maria Caporusso and Piero Salvadori\*

Dipartimento di Chimica e Chimica Industriale, Istituto del CNR di Chimica dei Composti Organo Metallici (ICCOM), sezione di Pisa, Via Risorgimento, 35, 56126 Pisa, Italy

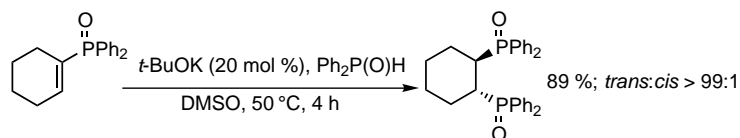


## *t*-BuOK-catalyzed addition phosphines to functionalized alkenes: a convenient synthesis of polyfunctional phosphine derivatives

Tetrahedron Letters 43 (2002) 5817

Tanasri Bunlaksananusorn and Paul Knochel\*

Ludwig-Maximilians-Universität München, Institut für Organische Chemie, Butenandtstrasse 5-13, Haus F, D-81377 München, Germany



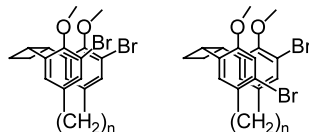
## Behavior of [2.*n*]metacyclophane-fused cyclobutane rings in bromination

Tetrahedron Letters 43 (2002) 5821

Yukihiro Okada, Masanori Yokozawa, Masatoshi Kaneko and Jun Nishimura\*

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

Dimethoxy[2.2]metacyclophane mainly gave a tetrahydropyrene structure and the other [2.*n*]metacyclophane derivatives (*n* = 3–5) gave aromatic bromides like pseudo-*ipso* and/or pseudo-*ortho* dibromides in the reaction with bromine.



## First synthesis and structure of sulfur-containing heterocycles fused to ferrocene

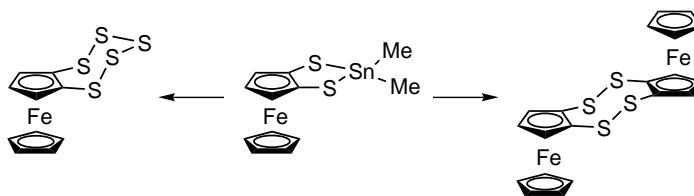
Tetrahedron Letters 43 (2002) 5825

Noriyoshi Nagahora,<sup>a</sup> Satoshi Ogawa,<sup>a,\*</sup> Yasushi Kawai<sup>b</sup> and Ryu Sato<sup>a,\*</sup>

<sup>a</sup>Department of Chemical Engineering, Faculty of Engineering, Iwate University, Morioka 020-8551, Japan

<sup>b</sup>Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

Synthesis of a stable pentathiepin fused to a single cyclopentadienyl ring of ferrocene was performed by treatment of the corresponding dithiastannole as a synthetic equivalent of unstable ferrocene 1,2-dithiol with a sulfur source. On the other hand, deprotection of the dithiastannole gave a novel tetrathiocin comprised of two ferrocene units.



## Gymnocin-A, a cytotoxic polyether from the notorious red tide dinoflagellate, *Gymnodinium mikimotoi*

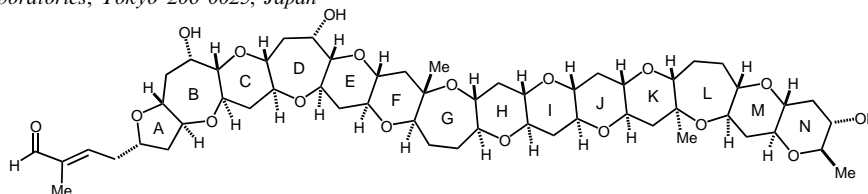
Tetrahedron Letters 43 (2002) 5829

Masayuki Satake,<sup>a,\*</sup> Mitsuha Shoji,<sup>a</sup> Yasukatsu Oshima,<sup>a</sup> Hideo Naoki,<sup>b</sup> Tsuyoshi Fujita<sup>b</sup> and Takeshi Yasumoto<sup>c</sup>

<sup>a</sup>Graduate School of Life Sciences, Tohoku University, Sendai 981-8555, Japan

<sup>b</sup>Suntory Institute for Bioorganic Research, Osaka 618-8503, Japan

<sup>c</sup>Japan Food Research Laboratories, Tokyo 206-0025, Japan

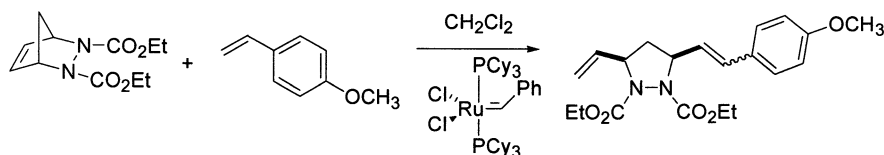


## Ring-opening cross metathesis of 1,3-cyclopentadiene-heterodienophile cycloadducts to produce cyclic hydrazines and hydroxylamines

Tetrahedron Letters 43 (2002) 5833

J. Michael Ellis and S. Bruce King\*

Department of Chemistry, Wake Forest University, Winston-Salem, NC 27109, USA



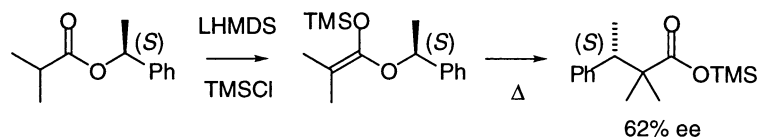


**[1,3] Sigmatropic rearrangement of ketene silyl acetals derived from benzyl  $\alpha$ -substituted propanoates**

*Tetrahedron Letters* 43 (2002) 5837

Isamu Shiina\* and Hiroshi Nagasue

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

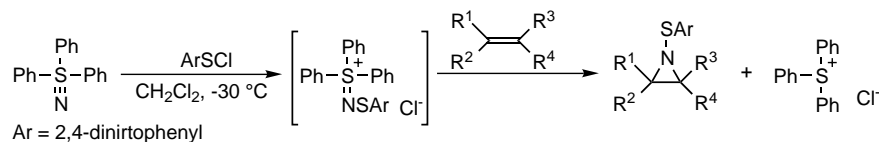


**Generation of sulfenylnitrenes by *N*-sulfenylation of triphenyl- $\lambda^6$ -sulfanenitrile**

*Tetrahedron Letters* 43 (2002) 5841

Takayoshi Fujii, Taeko Kousaka and Toshiaki Yoshimura\*

*Department of Material Systems Engineering and Life Science, Faculty of Engineering, Toyama University, Gofuku, Toyama 930-8555, Japan*



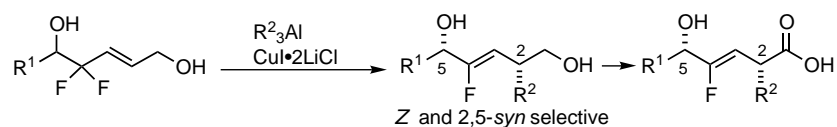
**Stereoselective construction of functionalized (*Z*)-fluoroalkenes directed to depsipeptide isosteres**

*Tetrahedron Letters* 43 (2002) 5845

Midori Okada,<sup>a</sup> Yuko Nakamura,<sup>a</sup> Akio Saito,<sup>b</sup> Azusa Sato,<sup>a</sup> Hiroaki Horikawa<sup>a</sup> and Takeo Taguchi<sup>b,\*</sup>

<sup>a</sup>*Tokyo Women's Medical University, 8-1 Kawada-cho, Shinjuku-ku, Tokyo 162-8666, Japan*

<sup>b</sup>*Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan*



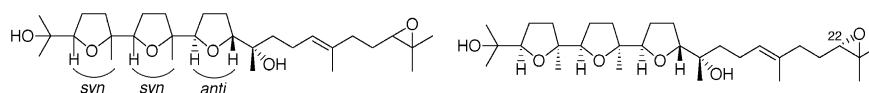
**Complete assignment of the stereostructure of a new squalene-derived epoxy tri-THF diol from *Spathelia glabrescens* by total synthesis**

*Tetrahedron Letters* 43 (2002) 5849

Yoshiki Morimoto,<sup>a,\*</sup> Mamoru Takaishi,<sup>a</sup> Toshiyuki Iwai,<sup>a</sup> Takamasa Kinoshita<sup>a</sup> and Helen Jacobs<sup>b</sup>

<sup>a</sup>*Department of Chemistry, Graduate School of Science, Osaka City University, Sumiyoshi-ku, Osaka 558-8585, Japan*

<sup>b</sup>*Department of Chemistry, University of the West Indies, Mona, Kingston 7, Jamaica*

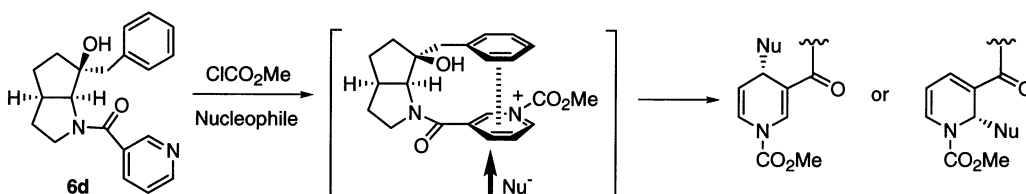


## Stereoselective synthesis of 1,2- and 1,4-dihydropyridines by using cation- $\pi$ interaction as a conformation-controlling tool

*Tetrahedron Letters* 43 (2002) 5853

Shinji Yamada,\* Momoe Saitoh and Tomoko Misono

*Department of Chemistry, Faculty of Science, Ochanomizu University, Bunkyo-ku, Tokyo 112-8610, Japan*

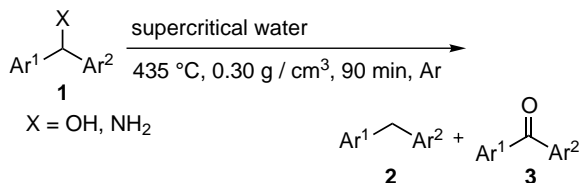


## Disproportionation of diarylmethanol derivatives by using supercritical water

*Tetrahedron Letters* 43 (2002) 5859

Bunpei Hatano,\* Jun-ichi Kadokawa and Hideyuki Tagaya

*Department of Chemistry and Chemical Engineering, Faculty of Engineering, Yamagata University, Yonezawa, Yamagata 992-8510, Japan*



## Synthesis of chiral oxazolidin-2-ones by 1,2-amino alcohols, carbon dioxide and electrogenerated acetonitrile anion

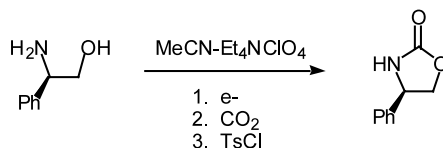
*Tetrahedron Letters* 43 (2002) 5863

Marta Feroci,<sup>a,\*</sup> Armando Gennaro,<sup>c</sup> Achille Inesi,<sup>b,\*</sup> Monica Orsini<sup>b</sup> and Laura Palombi<sup>b</sup>

<sup>a</sup>*Dip. Ingegneria Chimica, Materiali, Materie Prime e Metallurgia, Università 'La Sapienza', via Castro Laurenziano, 7, I-00161 Roma, Italy*

<sup>b</sup>*Dip. Chimica, Ingegneria Chimica e Materiali, Università degli Studi, I-67040, Monteluco di Roio, L'Aquila, Italy*

<sup>c</sup>*Dip. Chimica Fisica, Università di Padova, via Loredan 2, 35131, Padova, Italy*



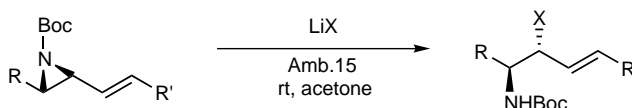
## Stereo- and regioselective ring opening of alkenyl aziridines with metal halides

*Tetrahedron Letters* 43 (2002) 5867

Giuliana Righi,\* Claudia Potini and Paolo Bovicelli

*CNR Istituto di Chimica Biomolecolare, Sezione di Roma, Università 'La Sapienza', P. le A. Moro 5, Box 34, 00185 Roma 62, Italy*

The reaction of *N*-Boc-alkenyl aziridines with lithium halides in presence of Amberlyst 15 afforded the stereo- and regioselective ring-opened products in high yields. The subsequent treatment of the aminohalides with silica gel produced the corresponding oxazolidin-2-one derivatives.



## Stereocontrolled synthesis of [3.1.0]bicyclohexanones by cyclopropanation of enones with benzylidene sulfuranes

Alain Krief,<sup>a,\*</sup> Dominique Swinnen<sup>b</sup> and Denis Billen<sup>a,c</sup>

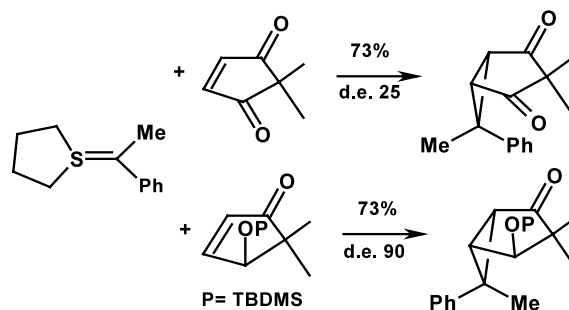
<sup>a</sup>Laboratoire de Chimie Organique de Synthèse, 61 rue de Bruxelles, Namur B-5000, Belgium

<sup>b</sup>Serono Pharmaceutical Research Institute, 14 chemin des Aulx, Plan-Les-Ouates, Geneva CH-1228, Switzerland

<sup>c</sup>Fond pour la Recherche Scientifique dans l'Industrie et l'Agriculture (F.R.I.A.), 5 rue d'Egmont, Bruxelles B-1000, Belgium

Benzylidene sulfuranes derived from diphenyl sulfide and tetrahydrothiophene have been used for the synthesis of title compounds. The reactivity of both reagents is disclosed.

*Tetrahedron Letters* 43 (2002) 5871



## Examining the effect of hemilabile donor groups in non-C<sub>2</sub> symmetrical terdentate ligands

Hubert Lam,<sup>a</sup> Xiaohui Cheng,<sup>a</sup> Jonathan W. Steed,<sup>a</sup>

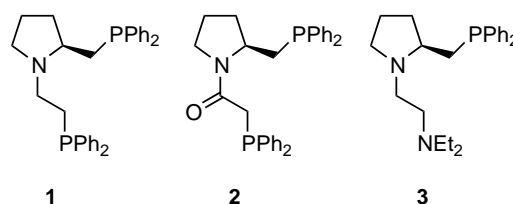
David J. Aldous<sup>b</sup> and King Kuok (Mimi) Hii<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK

<sup>b</sup>Aventis Pharmaceuticals, Route 202-206, Bridgewater, NJ 0887, USA

The type and position of donor groups in proline-derived, non-C<sub>2</sub> symmetrical, terdentate ligands are found to have significant effects on the enantioselectivity of the palladium-catalysed allylic substitution reaction.

*Tetrahedron Letters* 43 (2002) 5875



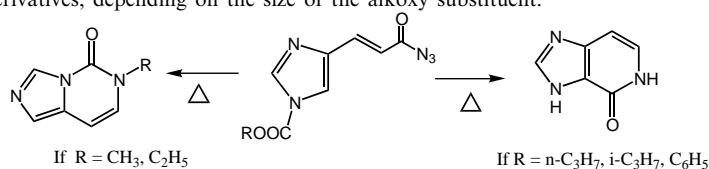
## Unexpected thermal rearrangement of *N*-alkoxycarbonyl imidazole acryl azides to imidazo[1,5-*c*]pyrimidinone or imidazo[4,5-*c*]pyridinone

Yuguo Jiao,<sup>a</sup> Edward Valente,<sup>b</sup> Solomon T. Garner,<sup>a</sup> Xiaotang Wang<sup>a</sup> and Hongtao Yu<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Jackson State University, Jackson, MS 39217, USA

<sup>b</sup>Department of Chemistry and Biochemistry, Mississippi College, Clinton, MS 39058, USA

Rearrangement of alkoxy carbonyl imidazole acryl azides in phenyl ether at 200°C yielded imidazo[1,5-*c*]pyrimidinone or imidazo[4,5-*c*]pyridinone derivatives, depending on the size of the alkoxy substituent.



*Tetrahedron Letters* 43 (2002) 5879