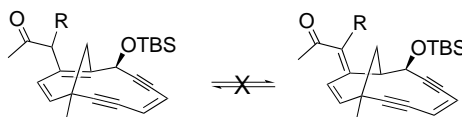
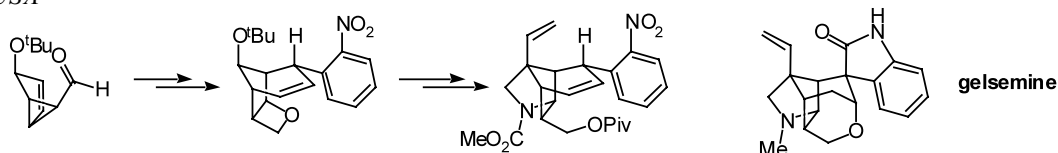
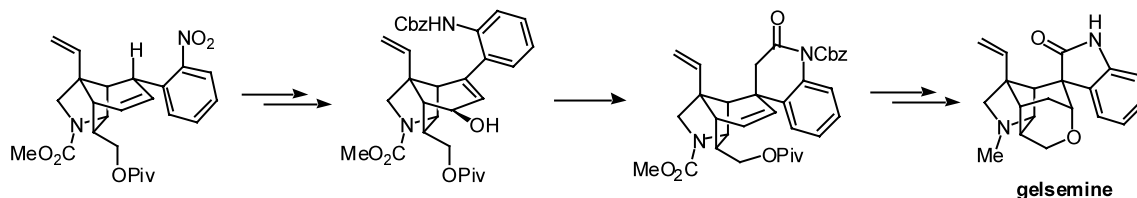


**Evaluation of alkene isomerization as a trigger for enediyne activation***Tetrahedron Letters 43 (2002) 541*

M. F. Semmelhack,\* Richmond Sarpong, Jeffrey Bergman and Douglas M. Ho

*Department of Chemistry, Princeton University, Princeton, NJ 08544, USA*

A proposed triggering mechanism for enediyne activation via alkene isomerization from a bridgehead *endo* position to an *exo* position was tested.

**The synthesis of a key intermediate en route to gelsemine: a program based on intramolecular displacement of the carbon–oxygen bond of a strategic oxetane***Tetrahedron Letters 43 (2002) 545*Fay W. Ng,<sup>a</sup> Hong Lin,<sup>b</sup> Qiang Tan<sup>b</sup> and Samuel J. Danishefsky<sup>a,b,\*</sup><sup>a</sup>*Department of Chemistry, Havemeyer Hall, Columbia University, New York, NY 10027, USA*<sup>b</sup>*Laboratory for Bioorganic Chemistry, Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021, USA***The synthesis of (±)-gelsemine***Tetrahedron Letters 43 (2002) 549*Hong Lin,<sup>a</sup> Fay W. Ng<sup>b</sup> and Samuel J. Danishefsky<sup>a,b,\*</sup><sup>a</sup>*Laboratory for Bioorganic Chemistry, Sloan-Kettering Institute for Cancer Research, 1275 York Avenue, New York, NY 10021, USA*<sup>b</sup>*Department of Chemistry, Havemeyer Hall, Columbia University, New York, NY 10027, USA***Synthesis of bifunctionalized nitroxyls via intramolecular epoxide ring opening***Tetrahedron Letters 43 (2002) 553*

Olga A. Ozhogina\*

*Department of Biochemistry & Molecular Biology, The University of Chicago, Chicago, IL 60637, USA*

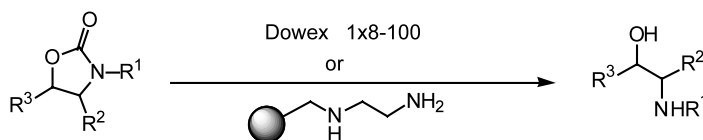
The syntheses of nitroxyl oxirane and further functionalized derivatives are described. Ring-cleavage reactions of this epoxide have been carried out with a variety of nucleophiles in order to show the general synthetic utility for preparing nitroxyls bearing two functional groups. The relatively facile synthesis of the nitroxyl amino alcohol should prove to be valuable in various spin labeling applications.

## Convenient methods for the hydrolysis of oxazolidinones to vicinal aminoalcohols

*Tetrahedron Letters* 43 (2002) 557

Steven J. Katz and Stephen C. Bergmeier\*

*Department of Chemistry and Biochemistry, Ohio University, Athens, OH 45701, USA*

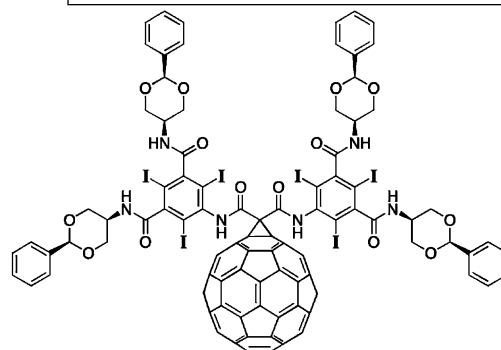


## Toward fullerene-based X-ray contrast agents: design and synthesis of non-ionic, highly-iodinated derivatives of C<sub>60</sub>

*Tetrahedron Letters* 43 (2002) 561

Tim Wharton and Lon J. Wilson\*

*Department of Chemistry and the Center for Nanoscale Science and Technology, MS-60, Rice University, Houston, TX 77251-1892, USA*



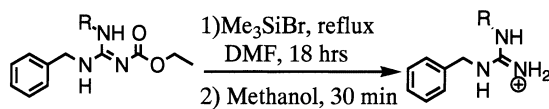
## A highly efficient method for the synthesis of guanidinium derivatives

*Tetrahedron Letters* 43 (2002) 565

Joseph C. Manimala and Eric V. Anslyn\*

*Department of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX 78712, USA*

The coupling of an amide to the ethyl carbamate-protected thiourea using EDCI resulted in high yield of guanidine and the subsequent complete deprotection of ethyl carbamate was carried out in Me<sub>3</sub>SiBr.



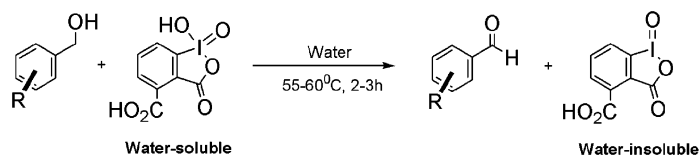
## Synthesis and oxidation reactions of a user- and eco-friendly hypervalent iodine reagent

*Tetrahedron Letters* 43 (2002) 569

Arun P. Thottumkara<sup>a</sup> and Thottumkara K. Vinod<sup>b,\*</sup>

<sup>a</sup>*Macomb High School, Macomb, IL 61455, USA*

<sup>b</sup>*Department of Chemistry, Western Illinois University, Macomb, IL 61455, USA*



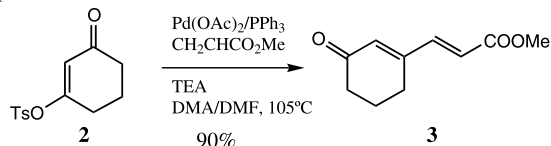
### First examples of a tosylate in the palladium-catalyzed Heck cross coupling reaction

*Tetrahedron Letters* 43 (2002) 573

Xiaoyong Fu,\* Shuyi Zhang, Jianguo Yin, Timothy L. McAllister, S. Anna Jiang, Chou-Hong Tann, T. K. Thiruvengadam and Fucheng Zhang

*Synthetic Chemistry Department, Schering-Plough Research Institute, 1011 Morris Ave. Union, NJ 07083, USA*

The tosylate (**2**) is reacted with methyl acrylate using palladium acetate as catalyst to provide 3-(3-oxo-1-cyclohexen-1-yl)-2-propenoic acid methyl ester (**3**) in excellent yield. The effect of reaction parameters such as temperature and catalyst as well as the ratio of palladium acetate to triphenylphosphine on the reaction rate has been studied.



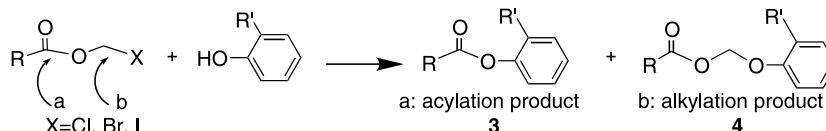
### Steric hindrance is a key factor in the coupling reaction of (acyloxy) alkyl- $\alpha$ -halides with phenols to make a new promoiety for prodrugs

*Tetrahedron Letters* 43 (2002) 577

Hui Ouyang,<sup>a,b</sup> Ronald T. Borchardt<sup>a</sup> and Teruna J. Siahaan<sup>a,\*</sup>

<sup>a</sup>*Department of Pharmaceutical Chemistry, The University of Kansas, Lawrence, KS 66044, USA*

<sup>b</sup>*Division of Drug Delivery and Disposition, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA*

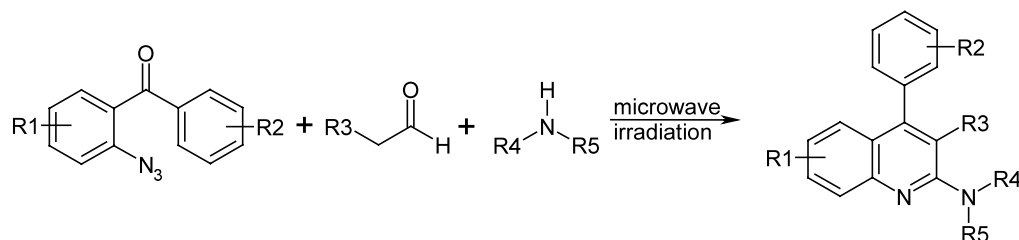


### Microwave-assisted synthesis of 2-aminoquinolines

*Tetrahedron Letters* 43 (2002) 581

Noel S. Wilson,\* Christopher R. Sarko and Gregory P. Roth

*Department of Medicinal Chemistry, Boehringer Ingelheim Pharmaceuticals, Inc., Research & Development Center, 900 Ridgebury Rd, Ridgefield, CT 06877-0368, USA*



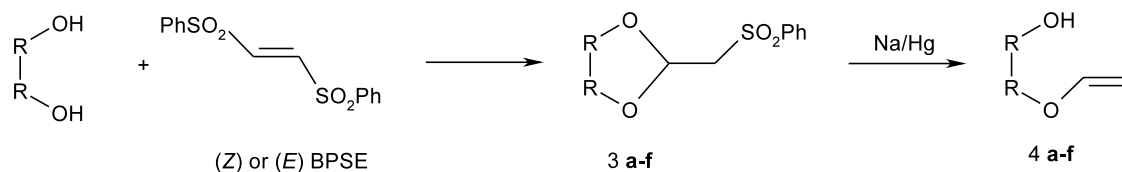
### A general, selective synthesis of $\omega$ -hydroxyethenyl ethers

*Tetrahedron Letters* 43 (2002) 585

E. Cabianna,<sup>a,b</sup> F. Chéry,<sup>a</sup> P. Rollin,<sup>a,\*</sup> A. Tatibouët<sup>a</sup> and O. De Lucchi<sup>b</sup>

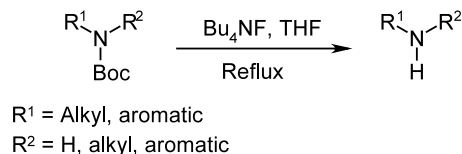
<sup>a</sup>*ICOA-UMR 6005/Université d'Orléans, B.P. 6759, F-45067 Orléans Cedex 2, France*

<sup>b</sup>*Dipartimento di Chimica, Università Ca' Foscari di Venezia, Dorsoduro 2137, I-30123 Venezia, Italy*

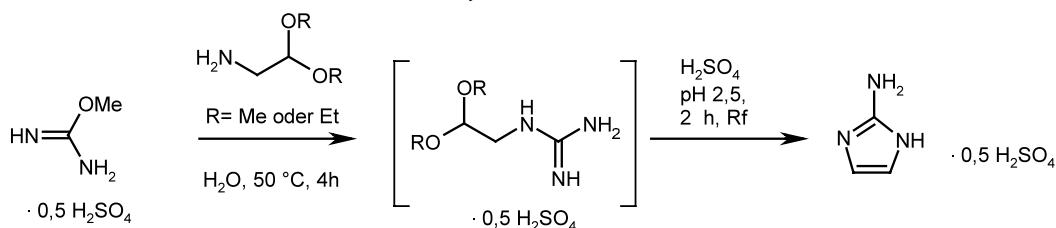


**A mild and selective method for *N*-Boc deprotection**

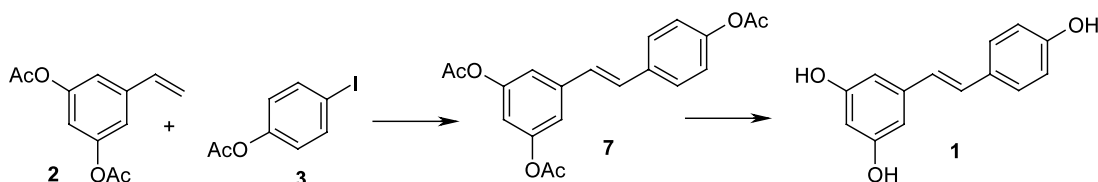
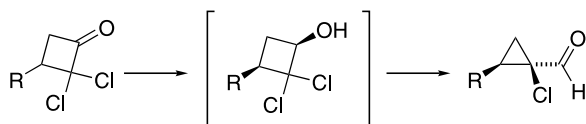
Sylvain Routier,\* Laurence Saugé, Nathalie Ayerbe, Gérard Coudert and Jean-Yves Méroux

*Institut de Chimie Organique et Analytique, associé au CNRS, Université d'Orléans, BP 6759, 45067 Orléans Cedex 2, France***Efficient and environmentally friendly synthesis of 2-aminoimidazole**

Hilmar Weinmann,\* Michael Harre, Klaus Koenig, Erik Merten and Ulf Tilstam

*Schering AG, Process Research, D-13342 Berlin, Germany***A new efficient resveratrol synthesis**

Marcella Guiso,\* Carolina Marra and Angela Farina

*Dipartimento di Chimica Università 'La Sapienza', Piazzale Aldo Moro 5, 00185 Rome, Italy*The (*E*)-3,4',5-trihydroxy-stilbene (resveratrol) was synthesised via Heck reaction in few steps and with an overall yield of 70%.**Stereoselective synthesis of *cis*-2-aryl- and 2-alkyl-1-chlorocyclopropanecarboxaldehydes**Guido Verniest,<sup>a</sup> Filip Bombeke,<sup>a</sup> O. G. Kulinkovich<sup>b</sup> and Norbert De Kimpe<sup>a,\*</sup><sup>a</sup>*Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Coupure Links 653, B-9000 Gent, Belgium*<sup>b</sup>*Department of Chemistry, Belarussian State University, Fr. Skariny Av. 4, Minsk 220050, Belarus*

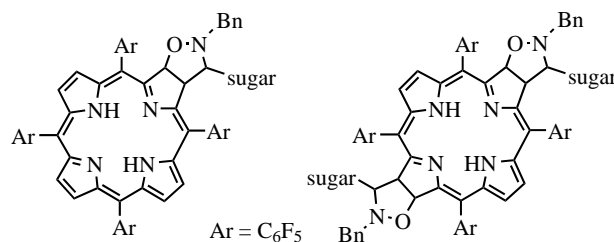
**Porphyrins in 1,3-dipolar cycloaddition reactions with sugar nitrones. Synthesis of glycoconjugated isoxazolidine-fused chlorins and bacteriochlorins**

*Tetrahedron Letters 43 (2002) 603*

Ana M. G. Silva,<sup>a</sup> Augusto C. Tomé,<sup>a</sup>  
 Maria G. P. M. S. Neves,<sup>a</sup> Artur M. S. Silva,<sup>a</sup>  
 José A. S. Cavaleiro,<sup>a,\*</sup> Daniela Perrone<sup>b</sup> and  
 Alessandro Dondoni<sup>b</sup>

<sup>a</sup>Departamento de Química, Universidade de Aveiro,  
 3810-193 Aveiro, Portugal

<sup>b</sup>Dipartimento di Chimica, Laboratorio di Chimica Organica,  
 Università di Ferrara, I-44100 Ferrara, Italy

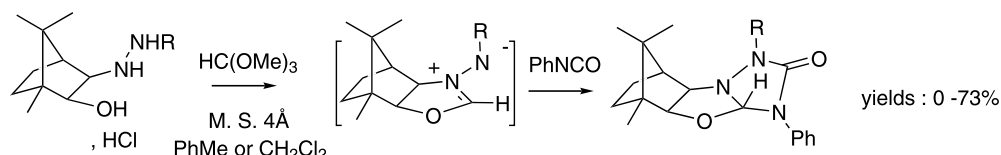


**Oxazoline azomethine imines preparation and cycloaddition with phenyl isocyanate**

*Tetrahedron Letters 43 (2002) 607*

Olivier Bedel, Dominique Urban and Yves Langlois\*

Laboratoire de Synthèse des Substances Naturelles, associé au CNRS, Bâtiment 410, Université de Paris-Sud, 91405 Orsay, France



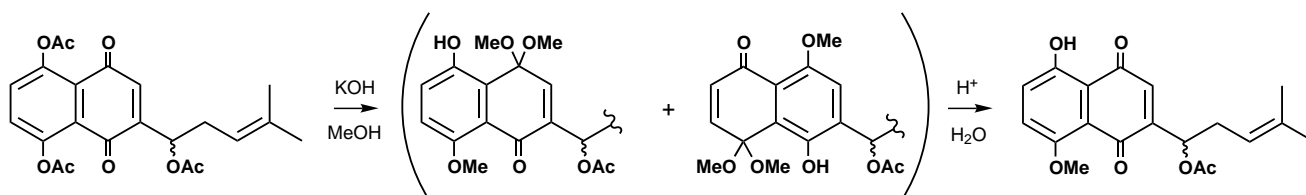
R = Ph, 4-MeOPh, PhCO, Me, PhCH<sub>2</sub>CO, CO<sub>2</sub>Me

**Synthesis of 8-O-alkylshikonin(alkannin)s: new ketal formation, tautomerism, and nucleophilic aromatic substitution**

*Tetrahedron Letters 43 (2002) 611*

Tsutomu Tsuchiya\* and Shintaro Ohmuro

Institute of Bioorganic Chemistry, 3-34-17 Ida, Nakahara-ku, Kawasaki 211-0035, Japan



**Fe(II)-mediated fragmentation of 1,4-diaryl-2,3-dioxabicyclo[2.2.2]-octanes through competitive single electron transfer pathway and Lewis acid pathway**

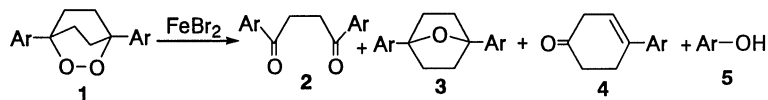
*Tetrahedron Letters 43 (2002) 617*

Masaki Kamata,<sup>a,\*</sup> Takashi Kudoh,<sup>a</sup> Jun-ichi Kaneko,<sup>a</sup> Hye-Sook Kim<sup>b</sup> and Yusuke Wataya<sup>b</sup>

<sup>a</sup>Department of Chemistry, Faculty of Education and Human Science, Niigata University, Ikarashi, Niigata 950-2181, Japan

<sup>b</sup>Faculty of Pharmaceutical Sciences, Okayama University, Tsushima, Okayama 700-8530, Japan

Reactions of **1** with FeBr<sub>2</sub> afforded various fragmentation products. The fragmentation mechanism was proposed and the antimalarial activities of **1** were tested.



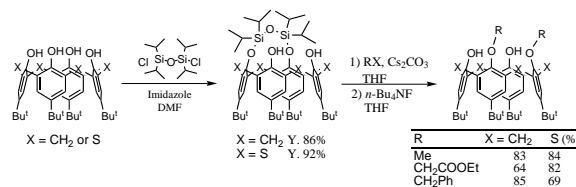
**Proximal *O,O'*-capped calix[4]arenes with a disiloxane bridge as highly efficient synthetic intermediates for 1,2-dialkylation at the lower rim**

*Tetrahedron Letters* 43 (2002) 621

Fumitaka Narumi,<sup>a,\*</sup> Naoya Morohashi,<sup>b</sup> Nobuji Matsumura,<sup>b</sup> Nobuhiko Iki,<sup>b</sup> Hiroshi Kameyama<sup>a</sup> and Sotaro Miyano<sup>b,\*</sup>

<sup>a</sup>*Department of Basic Sciences, School of Science and Engineering, Ishinomaki Senshu University, 1 Shinmito, Minamisakai, Ishinomaki 986-8580, Japan*

<sup>b</sup>*Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Aramaki-Aoba 07, Aoba-ku, Sendai 980-8579, Japan*



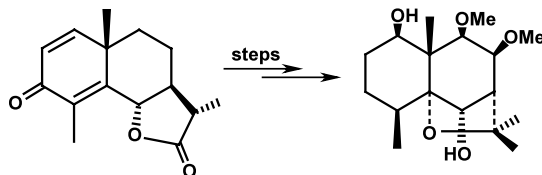
**A novel approach for construction of the naturally occurring dihydroagarofuran sesquiterpene skeleton**

*Tetrahedron Letters* 43 (2002) 627

Wu Jiong Xia, De Run Li, Lei Shi and Yong Qiang Tu\*

*Department of Chemistry & National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China*

A general and efficient approach for synthesis of a kind of dihydroagarofuran sesquiterpenes extensively present in the *Celastraceae* family of plants has been developed by a series of transformations from  $\alpha$ -santonin.

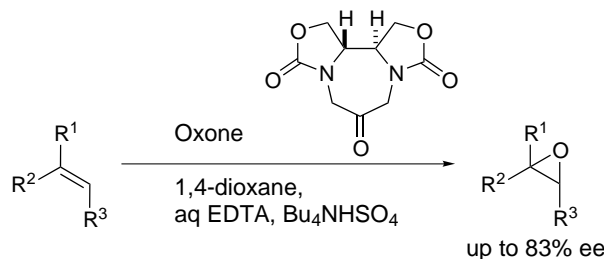


**Chiral ketone-catalyzed asymmetric epoxidation of olefins with Oxone<sup>®</sup>**

*Tetrahedron Letters* 43 (2002) 631

Koichiro Matsumoto and Kiyoshi Tomioka\*

*Graduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan*



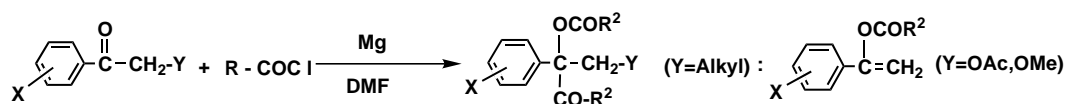
**Mg-promoted carbon-acylation of aromatic aldehydes and ketones**

*Tetrahedron Letters* 43 (2002) 635

Ikuzo Nishiguchi,\* Masahiro Sakai, Hirofumi Maekawa, Toshinobu Ohno, Yoshimasa Yamamoto and Yoshio Ishino

*Department of Chemistry, Nagaoka University of Technology, 1603-1, Kamitomiokacho, Nagaoka, Niigata 940-2188, Japan*

Mg-promoted cross-coupling of aromatic aldehydes and ketones with aliphatic chlorides brought about efficient C-acylation.



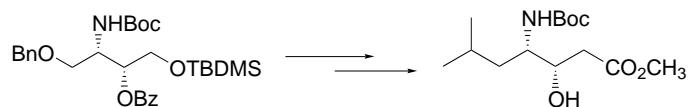
## Synthesis of statine employing a general *syn*-amino alcohol building block

*Tetrahedron Letters* 43 (2002) 639

Soon Ji Kwon and Soo Y. Ko\*

*Department of Chemistry and Division of Molecular Life Sciences, Ewha Womans University, Seoul 120-750, South Korea*

An orthogonally protected *syn*-2-amino-1,3,4-butanetriol has been employed as a general *syn*-amino alcohol building block in the synthesis of statine.



## New total synthesis of (+)-cystothiazole A

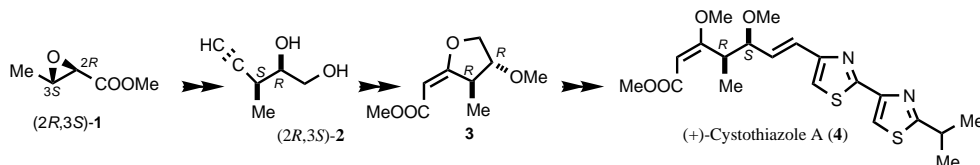
*Tetrahedron Letters* 43 (2002) 643

Keisuke Kato,<sup>a</sup> Akira Nishimura,<sup>a</sup> Yasuhiro Yamamoto<sup>b</sup> and Hiroyuki Akita<sup>a,\*</sup>

<sup>a</sup>*School of Pharmaceutical Sciences, Toho University, 2-2-1, Miyama, Funabashi, Chiba 274-8510, Japan*

<sup>b</sup>*Department of Chemistry, Faculty of Science, Toho University, 2-2-1, Miyama, Funabashi, Chiba 274-8510, Japan*

Palladium-catalyzed cyclization–methoxycarbonylation of (2*R*,3*S*)-**2** derived from (2*R*,3*S*)-epoxy butanoate (**1**) followed by methylation gave the tetrahydro-furylidene acetate (**3**), which was converted to the (+)-cystothiazole A (**4**).

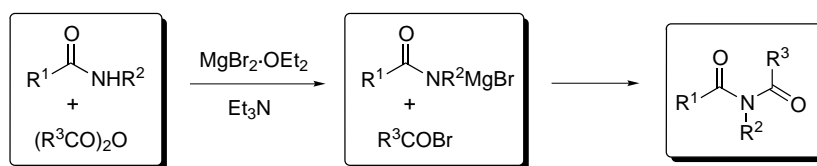


## *N*-Acylation of amides with acid anhydrides by way of dual activation using MgBr<sub>2</sub>·OEt<sub>2</sub>

*Tetrahedron Letters* 43 (2002) 647

Shinji Yamada,\* Setsuko Yaguchi and Kaori Matsuda

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



## Regioselective BH<sub>3</sub>-hydride reduction of inosine derivatives

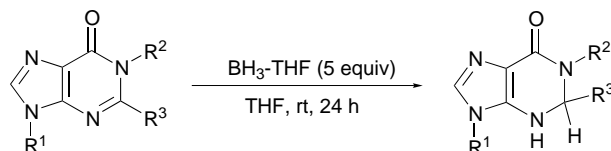
*Tetrahedron Letters* 43 (2002) 653

Kosaku Hirota,<sup>a,\*</sup> Hironao Sajiki,<sup>a</sup> Ryuji Hattori,<sup>a</sup>

Yasunari Monguchi,<sup>a</sup> Genzoh Tanabe<sup>b</sup> and Osamu Muraoka<sup>b</sup>

<sup>a</sup>*Laboratory of Medicinal Chemistry, Gifu Pharmaceutical University, Gifu 502-8585, Japan*

<sup>b</sup>*Faculty of Pharmaceutical Sciences, Kinki University, Higashi-Osaka 577-0818, Japan*



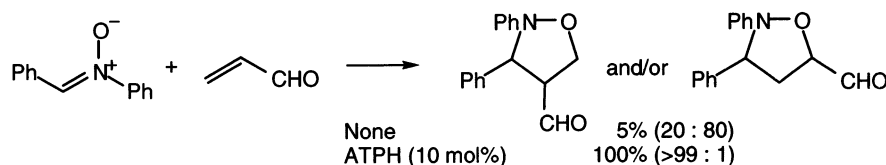
**Nitrono cycloaddition reactions to  $\alpha,\beta$ -unsaturated carbonyl acceptors catalyzed by a pinhole Lewis acid catalyst. Dramatic rate acceleration and improvement of regioselectivity and diastereoselectivity**

*Tetrahedron Letters* 43 (2002) 657

Shuji Kanemasa,<sup>a,\*</sup> Naohisa Ueno<sup>b</sup> and Moto Shirahase<sup>b</sup>

<sup>a</sup>*Institute of Advanced Material Study, CREST of JST (Japan Science and Technology), Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan*

<sup>b</sup>*Department of Molecular and Material Sciences, Graduate School of Engineering Sciences, Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan*



**Two novel *ent*-kaurane diterpenoids isolated from *Isodon eriocalyx* var. *laxiflora***

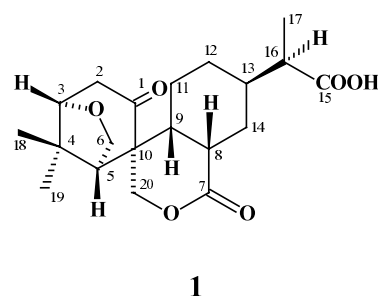
*Tetrahedron Letters* 43 (2002) 661

Xuemei Niu,<sup>a</sup> Shenghong Li,<sup>a</sup> Qinshi Zhao,<sup>a</sup> Zhongwen Lin,<sup>a</sup> Handong Sun,<sup>a,\*</sup> Yang Lu,<sup>b</sup> Cheng Wang<sup>b</sup> and Qitai Zheng<sup>b</sup>

<sup>a</sup>*Laboratory of Phytochemistry, Kunming Institute of Botany, The Chinese Academy of Sciences, Kunming 650204, PR China*

<sup>b</sup>*Institute of Materia Medica, The Chinese Academy of Medical Sciences, Beijing 100050, PR China*

Two novel 3,6-epoxy-6,7:8,15-*seco*-7,20-olide-*ent*-kaurane diterpenoids laxiflorin E (**1**) and laxiflorin F (**2**) were isolated from the leaves of *Isodon eriocalyx* var. *laxiflora*. The relative stereochemistry of **1** was established by single crystal X-ray crystallography, which also confirmed the novel carbon skeleton of the new *ent*-kaurane diterpenoid.

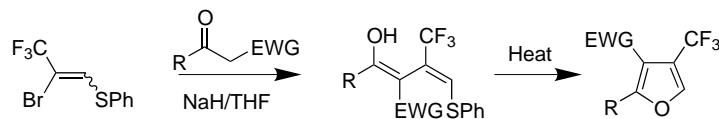


**The regio- and stereoselective addition of carbon nucleophiles to trifluoromethyl phenylsulfanyl acetylene: a novel and expeditious approach to 3-trifluoromethyl furans**

*Tetrahedron Letters* 43 (2002) 665

Biao Jiang,<sup>\*</sup> Fangjiang Zhang and Wennan Xiong

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



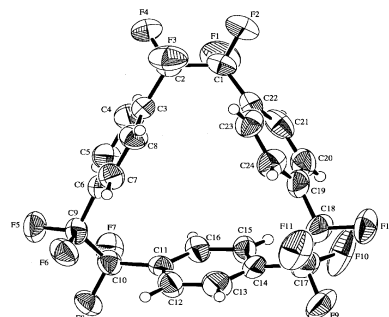
**A convenient preparation of octafluoro[2,2]paracyclophane and dodecafluoro[2,2]paracyclophane**

*Tetrahedron Letters* 43 (2002) 669

Shi-zheng Zhu,<sup>\*</sup> Yun-yu Mao, Gui-fang Jin, Chao-yue Qin, Qian-li Chu and Chang-ming Hu

*Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China*

A new and convenient synthesis of octafluoro[2,2] paracyclophane and dodecafluoro[2,2]paracyclophane is reported.



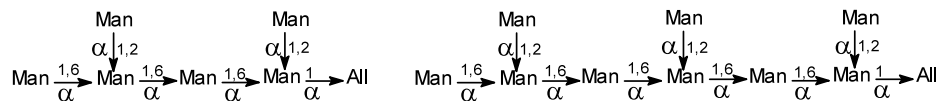


**Facile syntheses of D-mannose hexa- and nonasaccharides: the di- and trimer of the trisaccharide repeating unit of the cell-wall mannans of *Epidermophyton floccosum*, *Trychophyton mentagrophytes*, *Microsporium canis* and related species of *Microsporium***

Jun Ning,<sup>a</sup> Linsen Heng<sup>b</sup> and Fanzuo Kong<sup>a,\*</sup>

<sup>a</sup>Research Center for Eco-Environmental Sciences, Academia Sinica, PO Box 2871, Beijing 100085, PR China

<sup>b</sup>Daxian Normal College, Department of Chemistry, Sichuan, PR China



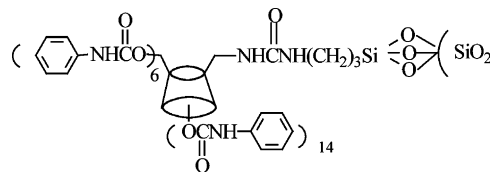
**Facile preparative HPLC enantioseparation of racemic drugs using chiral stationary phases based on mono-6<sup>A</sup>-azido-6<sup>A</sup>-deoxy-perphenylcarbamoylated  $\beta$ -cyclodextrin immobilized on silica gel**

Siu-Choon Ng,<sup>a,\*</sup> Lei Chen,<sup>a</sup> Li-Feng Zhang<sup>b</sup> and Chi-Bun Ching<sup>c</sup>

<sup>a</sup>Department of Chemistry, National University of Singapore, Kent Ridge Crescent, Singapore 119260

<sup>b</sup>Environmental Technology Institute, Innovation Center Unit 237, Nanyang Drive, Singapore 639798

<sup>c</sup>Chemical and Process Engineering Center, National University of Singapore, Engineering Drive 4, Singapore 117576

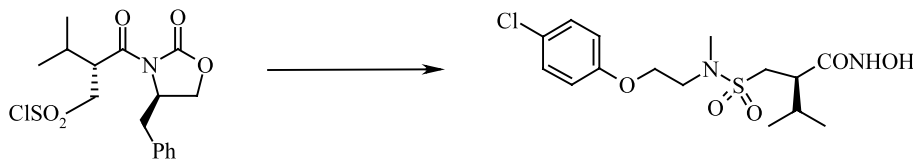


CD-CSPs with well-defined chemical structures exhibited good enantioseparation in both analytical and preparative scale HPLC.

**An enantioselective synthesis of sulphonamide hydroxamic acids as matrix metalloproteinase inhibitors**

Robert J. Watson,<sup>\*</sup> D. Batty, A. D. Baxter, D. R. Hannah, D. A. Owen and J. G. Montana

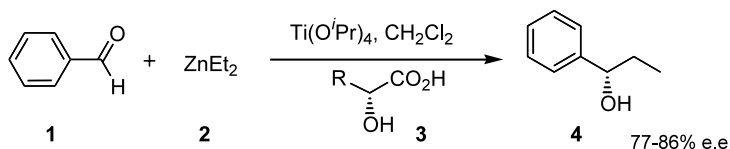
Celltech R & D Ltd, Granta Park, Abington, Cambridge CB1 6GS, UK



**$\alpha$ -Hydroxy carboxylic acids: new ligands for diethylzinc additions to aldehydes**

Tomasz Bauer<sup>\*</sup> and Joanna Tarasiuk

Department of Chemistry, Warsaw University, Pasteura 1, PL-02-093 Warsaw, Poland



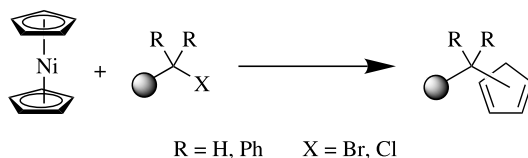
## Facile synthesis of polymer-supported cyclopentadienes

*Tetrahedron Letters 43 (2002) 691*

Nicholas E. Leadbeater\*

*Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK*

A new route to polymer-supported cyclopentadienes using nickelocene as a source of cyclopentadiene is discussed.



## Synthesis of a novel heterocyclic ring system: 2-thia-3,5,6,7,9-pentaazabenz[cd]azulenes

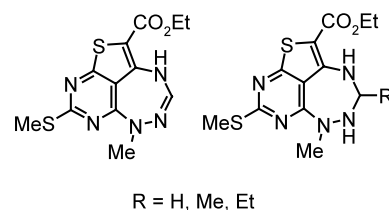
*Tetrahedron Letters 43 (2002) 695*

Sigitas Tumkevicius,<sup>a,\*</sup> Luigi A. Agrofoglio,<sup>b</sup> Andrius Kaminskas,<sup>a</sup>  
Gintaras Urbelis,<sup>a</sup> Thomas A. Zevaco<sup>c</sup> and Olaf Walter<sup>c</sup>

<sup>a</sup>*Department of Organic Chemistry, Faculty of Chemistry, Vilnius University, Naugarduko 24, Vilnius 2006, Lithuania*

<sup>b</sup>*Institut de Chimie Organique et Analytique, Associe au CNRS, Université d'Orléans, BP 6759 Orléans, France*

<sup>c</sup>*Forschungszentrum Karlsruhe GmbH, Institut für Technische Chemie, Bereich Chemisch-Physikalische Verfahren Postfach 3640, D-76021 Karlsruhe, Germany*

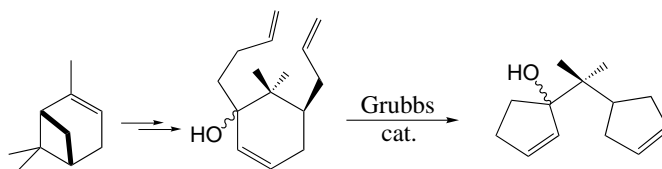


## Novel tandem ring-opening/ring-closing metathesis reactions of functionalized cyclohexenoids derived from (-)- $\alpha$ -pinene

*Tetrahedron Letters 43 (2002) 699*

Goverdhan Mehta\* and Jayakrishnan Nandakumar

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

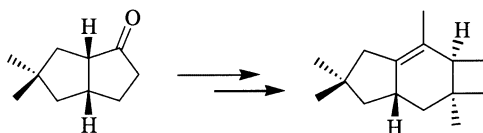


## A new synthesis of tricyclic sesquiterpene ( $\pm$ )-sterpurene

*Tetrahedron Letters 43 (2002) 703*

Goverdhan Mehta\* and K. Sreenivas

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



**Amine-boranes: effective reducing agents for the deracemisation of DL-amino acids using L-amino acid oxidase from *Proteus myxofaciens***

*Tetrahedron Letters* 43 (2002) 707

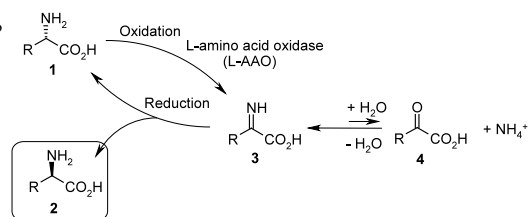
François-René Alexandre,<sup>a</sup> David P. Pantaleone,<sup>b</sup> Paul P. Taylor,<sup>b</sup> Ian G. Fotheringham,<sup>a</sup> David J. Ager<sup>c</sup> and Nicholas J. Turner<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Centre for Protein Technology, University of Edinburgh, King's Buildings, West Mains Road, Edinburgh EH9 3JJ, UK

<sup>b</sup>Great Lakes Fine Chemicals, 601 E. Kensington Rd., Mt. Prospect, IL 60056, USA

<sup>c</sup>MediChem Research, Inc., 2501 Davey Road, Woodridge, IL 60517, USA

The deracemisation of DL-amino acids has been accomplished using L-amino acid oxidase from *Proteus myxofaciens* in combination with amine boranes.

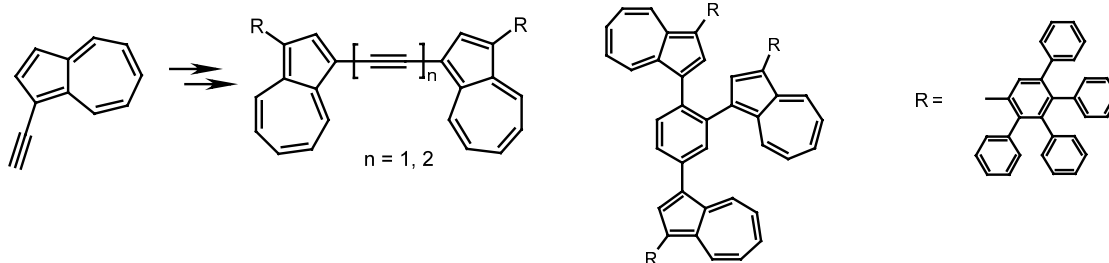


**New  $\pi$ -systems from 1-ethynylazulene**

*Tetrahedron Letters* 43 (2002) 711

Ahmed H. M. Elwahy\*

Chemistry Department, Faculty of Science, Cairo University, Giza, Egypt



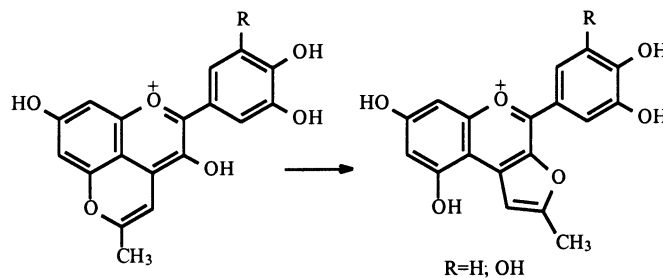
**Unexpected rearrangement of pyranoanthocyanidins to furoanthocyanidins**

*Tetrahedron Letters* 43 (2002) 715

Yinrong Lu\* and L. Yeap Foo

Industrial Research Limited, PO Box 31310 Lower Hutt, New Zealand

Pyranoanthocyanidins under acidic conditions rearrange to form a new type of furoanthocyanidins. The structures of both pyranoanthocyanidins and furoanthocyanidins were elucidated by NMR.



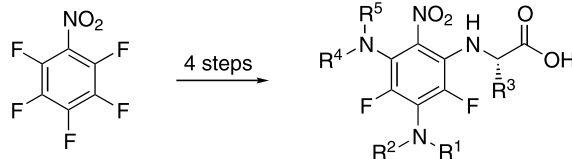
**Pentafluoronitrobenzene a novel scaffold for the solid-phase synthesis of 2,4,6-substituted-3,5-difluoronitrobenzene libraries**

*Tetrahedron Letters* 43 (2002) 719

Richard J. Holland, Ian R. Hardcastle,\* Andrew G. Dick, Bernard P. Nutley, Angela Hayes and Michael Jarman

CRC Centre for Cancer Therapeutics at the Institute of Cancer Research, Cotswold Road, Sutton, Surrey SM2 5NG, UK

The use of pentafluoronitrobenzene as a scaffold for solid-phase synthesis of 2,4,6-substituted-3,5-difluoronitrobenzenes is described. Primary and secondary amines can be introduced to the scaffold via three successive nucleophilic aromatic substitutions under increasingly forcing conditions.

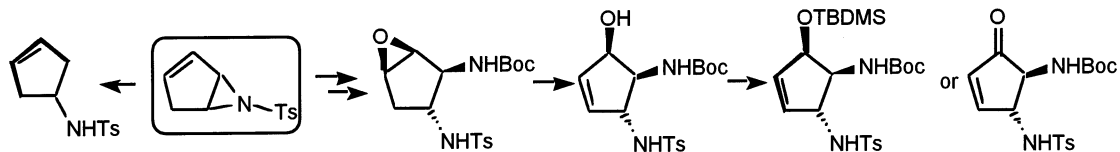


**Synthesis and reactions of cyclopentadiene monoaziridine:  
a concise approach to the core of agelastatin A**

*Tetrahedron Letters 43 (2002) 723*

Elise Baron, Peter O'Brien\* and Timothy D. Towers

*Department of Chemistry, University of York, Heslington, York YO10 5DD, UK*



**The intramolecular nucleophilic 1,5-O-heterocyclization of  
( $\eta^4$ -dienyl)-tricarbonyliron diols: conformationally locked  
phosphocholines**

*Tetrahedron Letters 43 (2002) 727*

Alain Braun<sup>a</sup> and Jean-Paul Lellouche<sup>b,\*</sup>

<sup>a</sup>*CEA, CE-Saclay, DBCM, Service des Molécules Marquées, Bât 547, F-91191 Gif-sur-Yvette, France*

<sup>b</sup>*Department of Chemistry, Bar-Ilan University, Ramat-Gan 52900, Israel*

