

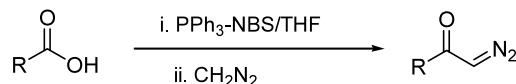
**Novel synthesis of  $\alpha$ -diazoketones from acyloxyphosphonium salts and diazomethane***Tetrahedron Letters 44 (2003) 4815*

Erick Cuevas-Yañez,<sup>a</sup> Mario A. García,<sup>a</sup> Marco A. de la Mora,<sup>a</sup> Joseph M. Muchowski<sup>b</sup> and Raymundo Cruz-Almanza<sup>a,\*</sup>

<sup>a</sup>*Instituto de Química, UNAM. Circuito Exterior, Ciudad Universitaria, Coyoacán 04510, Mexico, D.F.*

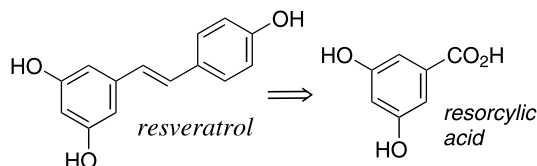
<sup>b</sup>*Chemistry, Roche Palo Alto, 3431 Hillview Avenue, Palo Alto, CA 94304-1320, USA*

A novel, simple and mild method to prepare  $\alpha$ -diazoketones from carboxylic acids is presented. The procedure involves the reaction of carboxylic acids with triphenylphosphine/NBS and subsequent treatment with diazomethane.

**Synthesis of resveratrol using a direct decarbonylative Heck approach from resorcylic acid***Tetrahedron Letters 44 (2003) 4819*

Merritt B. Andrus,\* Jing Liu, Erik L. Meredith and Edward Narthey

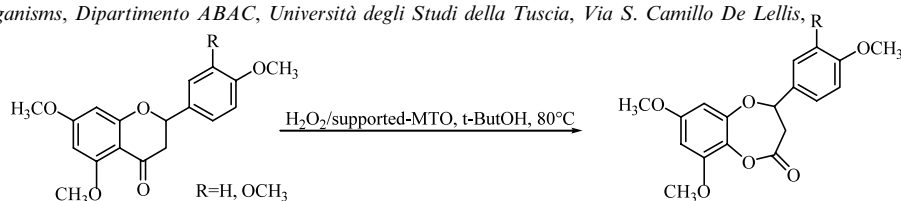
*Brigham Young University, Department of Chemistry and Biochemistry, C100 BNSN, Provo, UT 84602-5700, USA*

**Conversion of naringenin and hesperetin by heterogeneous catalytic Baeyer–Villiger reaction into lactones exhibiting apoptotic activity***Tetrahedron Letters 44 (2003) 4823*

Roberta Bernini,<sup>a,\*</sup> Enrico Mincione,<sup>a</sup> Manuela Cortese,<sup>a</sup> Raffaele Saladino,<sup>a</sup> Giampiero Gualandi<sup>b</sup> and Maria Cristina Belfiore<sup>b</sup>

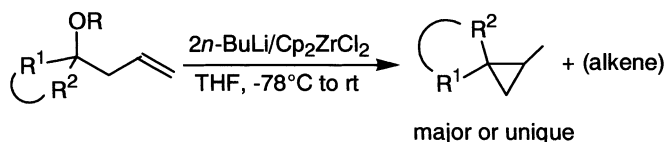
<sup>a</sup>*Organic Chemistry, Dipartimento ABAC, Università degli Studi della Tuscia, Via S. Camillo De Lellis, 01100 Viterbo, Italy*

<sup>b</sup>*Genetic of Microorganisms, Dipartimento ABAC, Università degli Studi della Tuscia, Via S. Camillo De Lellis, 01100 Viterbo, Italy*

**Zirconium-mediated conversion of homoallylic ethers into cyclopropane derivatives***Tetrahedron Letters 44 (2003) 4827*

Vincent Gandon, Christophe Laroche and Jan Szymoniak\*

*Réactions Sélectives et Applications (UMR 6519), CNRS and Université de Reims, 51687 Reims Cedex 2, France*

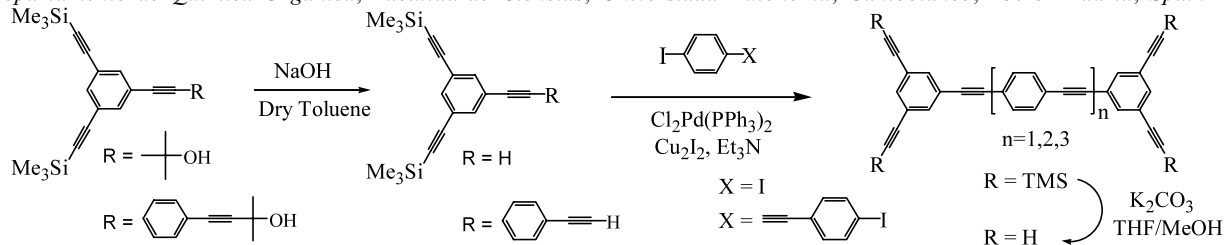


## Synthesis of nanostructures based on 1,4- and 1,3,5-phenylethynyl units with $\pi$ -extended conjugation. Carbon networks dendrimer base units

*Tetrahedron Letters* 44 (2003) 4831

J. Gonzalo Rodríguez\* and J. Esquivias

*Departamento de Química Orgánica, Facultad de Ciencias, Universidad Autónoma, Cantoblanco, 28049 Madrid, Spain*



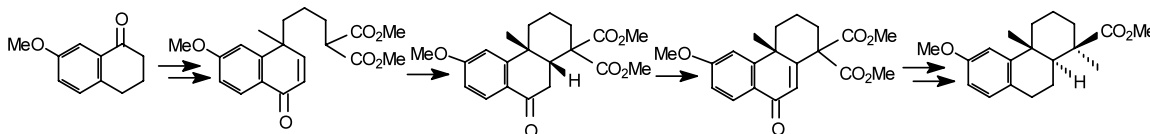
## A stereocontrolled total synthesis of methyl ( $\pm$ )-O-methylpodocarpate

*Tetrahedron Letters* 44 (2003) 4835

Arnab Roy,<sup>a</sup> Tapas Paul,<sup>a</sup> Michael G. B. Drew<sup>b</sup> and Debabrata Mukherjee<sup>a,\*</sup>

<sup>a</sup>*Department of Organic Chemistry, Indian Association for the Cultivation of Science, Calcutta 700 032, India*

<sup>b</sup>*Department of Chemistry, The University of Reading, Whiteknights, Reading RG6 6AD, UK*



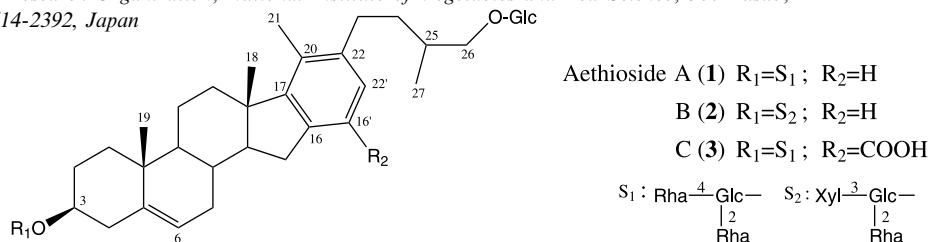
## Homo-cholestane glycosides from *Solanum aethiopicum*

*Tetrahedron Letters* 44 (2003) 4839

Chie Tagawa,<sup>a</sup> Masafumi Okawa,<sup>a</sup> Tsuyoshi Ikeda,<sup>a</sup> Tatemi Yoshida<sup>b</sup> and Toshihiro Nohara<sup>a,\*</sup>

<sup>a</sup>*Faculty of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862-0973, Japan*

<sup>b</sup>*National Agriculture Research Organization, National Institute of Vegetables and Tea Science, 360 Kusao, Ano, Age-gun, Mie 514-2392, Japan*

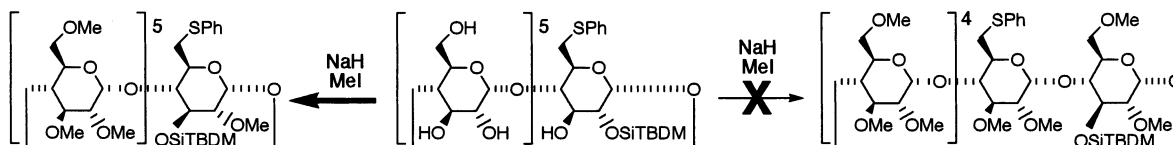


## Mechanism of 2-O $\rightarrow$ 3-O silyl migration in cyclomaltohexaose ( $\alpha$ -cyclodextrin)

*Tetrahedron Letters* 44 (2003) 4843

Katsunori Teranishi\* and Fumiko Ueno

*Faculty of Bioresources, Mie University, 1515 Kamihama, Tsu, Mie 514-8507, Japan*

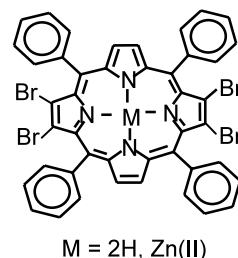


### An improved protocol for the synthesis of antipodal $\beta$ -tetrabromo-tetraphenylporphyrin and the crystal structure of its Zn(II) complex

P. K. Kumar, P. Bhyrappa\* and B. Varghese

Department of Chemistry, Indian Institute of Technology-Madras, Chennai 600 036, India

This report presents a simple improved procedure for the synthesis of  $\beta$ -tetrabromotetraphenylporphyrin and describes the interesting crystal structure of its Zn(II) complex.

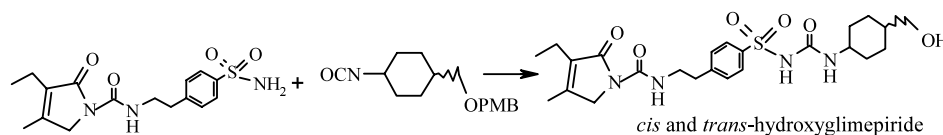


### Total synthesis of *cis* and *trans*-hydroxyglimepiride: active metabolite of glimepiride

Mukund K. Gurjar,<sup>a,\*</sup> Ramesh A. Joshi,<sup>a</sup> Siddhartha R. Chaudhuri,<sup>a</sup> Shreerang V. Joshi,<sup>b,\*</sup> Anup R. Barde,<sup>b</sup> Lalji K. Gediya,<sup>b</sup> Prasad V. Ranade,<sup>b</sup> Suresh M. Kadam<sup>b</sup> and Sanjay J. Naik<sup>b</sup>

<sup>a</sup>National Chemical Laboratory, Pune 411008, India

<sup>b</sup>Chemical Process Research Laboratory, USV Ltd, Govandi, Mumbai 400 088, India

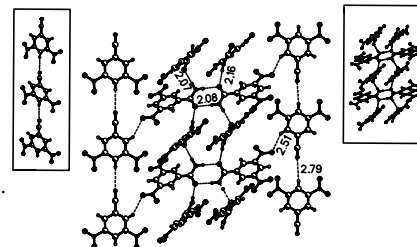


### A novel additive organic supramolecular assembly: molecular complex of 3,5-dinitrobenzamide and 3,5-dinitrobenzonitrile

V. R. Pedireddi,\* J. PrakashaReddy and Kapildev K. Arora

Division of Organic Chemistry, National Chemical Laboratory, Pune 411 008, India

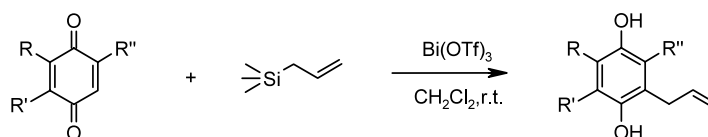
Co-crystallization of 3,5-dinitrobenzamide and 3,5-dinitrobenzonitrile forms an additive assembly, in which simple addition of the hydrogen bonded networks that exist in the native crystal structures of the constituent compounds takes place.



### Bi(OTf)<sub>3</sub>-catalyzed allylation of quinones with allyltrimethylsilane

J. S. Yadav,\* B. V. S. Reddy and T. Swamy

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



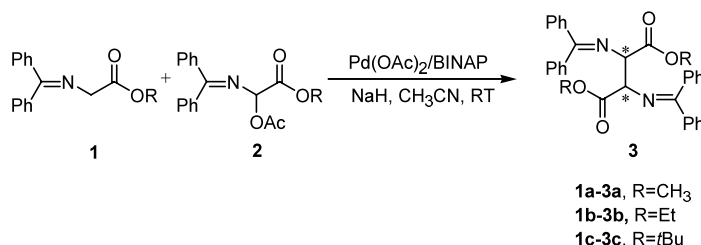
## Synthesis of 3-aminoaspartic acid derivatives from glycine precursors

*Tetrahedron Letters 44 (2003) 4865*

Yu Chen and Andrei K. Yudin\*

*Davenport Research Laboratories, Department of Chemistry, University of Toronto,  
80 St. George Street, Toronto, Ontario, Canada M5S 3H6*

3-Aminoaspartic acid derivatives have been synthesized in high chemical yields and moderate stereoselectivities through a palladium-catalyzed  $\pi$ -azaallylic substitution reaction.

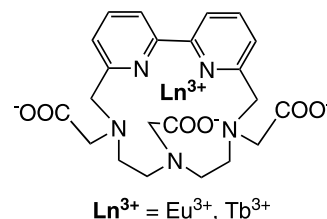


## Improvement of stability and luminescence properties in water of Eu(III) and Tb(III) complexes photosensitized by a bipyridine antenna

*Tetrahedron Letters 44 (2003) 4869*

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

*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*

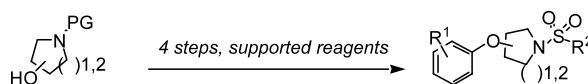


## Convenient preparation of aryl ether derivatives using a sequence of functionalized polymers

*Tetrahedron Letters 44 (2003) 4873*

Mike E. Lizarzaburu and Stephen J. Shuttleworth\*

*Tularik Inc., 1120 Veterans Boulevard, South San Francisco, CA 94080, USA*

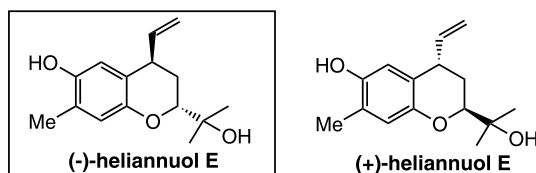


## Enantioselective synthesis of heliannuol E; structural consideration of natural molecule

*Tetrahedron Letters 44 (2003) 4877*

Fuminao Doi, Takahisa Ogamino, Takeshi Sugai and Shigeru Nishiyama\*

*Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Kohoku-ku,  
Yokohama 223-8522, Japan*

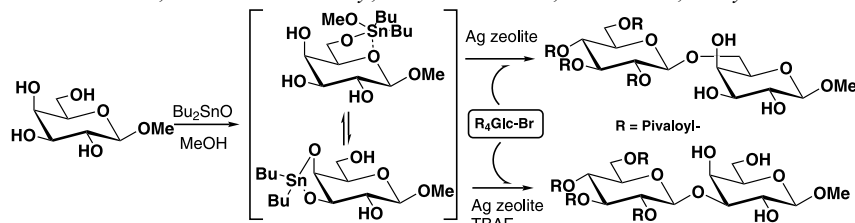


# Regioselectivity shift from $\beta$ -(1 $\rightarrow$ 6)- to $\beta$ -(1 $\rightarrow$ 3)-glycosylation of non-protected methyl $\beta$ -D-galactopyranosides using the stannylene activation method

*Tetrahedron Letters 44 (2003) 4881*

Eisuke Kaji,\* Keigo Shibayama and Kazusada In

*School of Pharmaceutical Sciences, Kitasato University, Shirokane 5-9-1, Minato-ku, Tokyo 108-8641, Japan*



# Structures and colour properties of new red wine pigments

*Tetrahedron Letters 44 (2003) 4887*

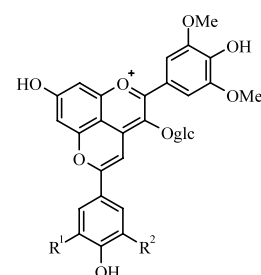
Anders E. Håkansson,<sup>a,b</sup> Kevin Pardon,<sup>a,c</sup> Yoji Hayasaka,<sup>a,c</sup>

Maria de Sa<sup>a,c</sup> and Markus Herderich<sup>a,c,\*</sup>

<sup>a</sup>*The Australian Wine Research Institute, PO Box 197, Glen Osmond SA 5064, Australia*

<sup>b</sup>*Department of Chemistry, Technical University of Denmark, Lyngby DK-2800, Denmark*

<sup>c</sup>*Cooperative Research Centre for Viticulture, PO Box 154, Glen Osmond, SA 5064, Australia*



# Pyridinium bromochromate: a new and efficient reagent for bromination of hydroxy aromatics

*Tetrahedron Letters 44 (2003) 4893*

Shivaji B. Patwari, Mohammad A. Baseer, Yashwant B. Vibhute\* and Sudhakar R. Bhusare\*

*P.G. Department of Chemistry, Yeshwant Mahavidyalaya, Nanded 431 602, India*

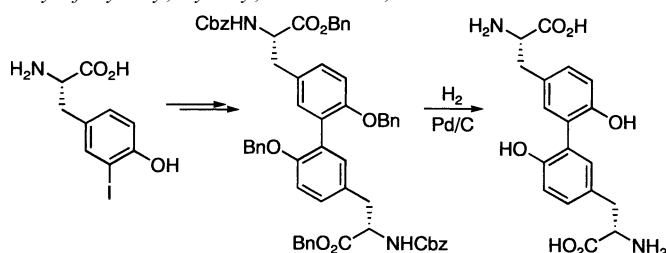
Pyridinium bromochromate (PBC) has been used as an efficient and selective nuclear brominating agent for bromination of various substituted hydroxy-acetophenones, aldehydes and phenols.

# A convenient preparation of dityrosine via Miyaura borylation–Suzuki coupling of iodotyrosine derivatives

*Tetrahedron Letters 44 (2003) 4895*

Craig A. Hutton\* and Ojia Skaff

*School of Chemistry, The University of Sydney, Sydney, NSW 2006, Australia*



## Synthesis of $\Delta^3$ -pyrrolines and $\Delta^3$ -tetrahydropyridines via microwave-accelerated ring-closing metathesis

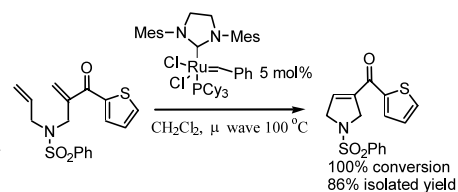
*Tetrahedron Letters 44 (2003) 4899*

Ronald Grigg,<sup>a,\*</sup> William Martin,<sup>b</sup> James Morris<sup>a</sup> and Visuvanthur Sridharan<sup>a</sup>

<sup>a</sup>Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, Leeds University, Leeds LS2 9JT, UK

<sup>b</sup>Process Research and Development, GlaxoSmithKline, Stevenage SG1 2NY, UK

Ring-closing metathesis of sterically congested electron-deficient double bonds takes place in 1 min using microwave irradiation with Grubbs' second-generation catalyst.



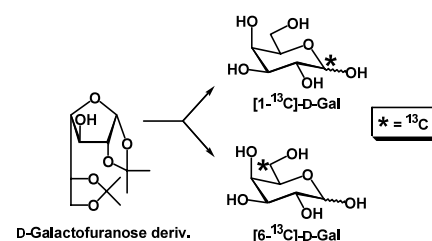
## Practical synthesis of [1-<sup>13</sup>C]- and [6-<sup>13</sup>C]-D-galactose

*Tetrahedron Letters 44 (2003) 4903*

Ken-ichi Sato,\* Shoji Akai, Mayumi Sakuma, Masaru Kojima and Ken-ju Suzuki

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

The chemical synthesis of <sup>13</sup>C-labeled D-galactose as useful molecular probes for studying the conformation of oligosaccharides attached to proteins was performed. The method for synthesizing the title labeled compounds was developed employing the corresponding 1-ene and 5-ene compounds derived from an 1,2:5,6-di-*O*-isopropylidene- $\alpha$ -D-galactofuranose.



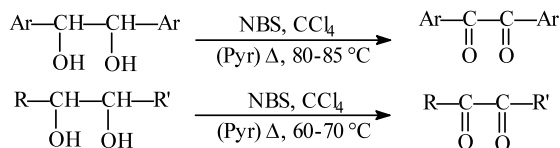
## A novel method of synthesis of 1,2-diketones from 1,2-diols using *N*-bromosuccinimide

*Tetrahedron Letters 44 (2003) 4909*

Jitender M. Khurana\* and Bhaskar M. Kandpal

Department of Chemistry, University of Delhi, Delhi 110007, India

A novel method for the synthesis of benzils and aliphatic 1,2-diketones of cyclic and open chain compounds from corresponding hydrobenzoins and 1,2-diols with NBS under reflux is reported.



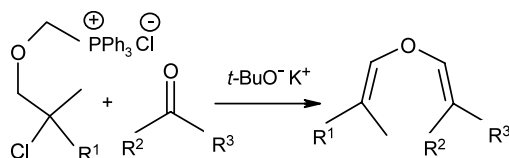
## A novel, short and efficient synthesis of divinyl ethers

*Tetrahedron Letters 44 (2003) 4913*

Mukund G. Kulkarni,\* Aniruddha K. Doke, Saryu I. Davawala and Ajit V. Doke

Department of Chemistry, University of Pune, Pune 411007, India

An efficient one-step synthesis of divinyl ethers from aldehydes and ketones using Wittig olefination is described.

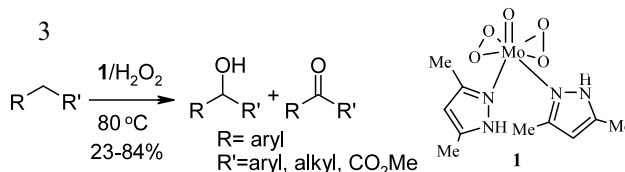


### Molybdenum(VI)-peroxo complex catalyzed oxidation of alkylbenzenes with hydrogen peroxide

*Tetrahedron Letters 44 (2003) 4915*

Subhabrata Das, Tandra Bhowmick, T. Punniyamurthy,\* Deepa Dey, Jayashree Nath and Mihir K. Chaudhuri\*

*Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati 781039, India*

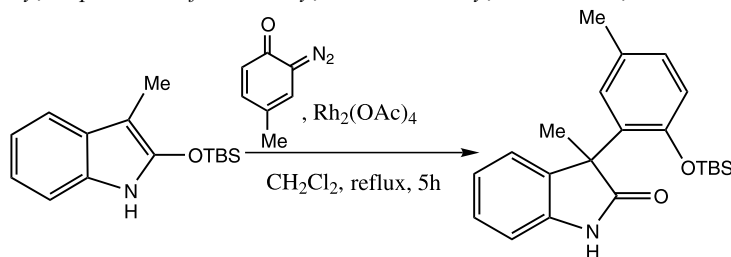


### Rhodium-catalyzed synthesis of a C(3) disubstituted oxindole: an approach to diazonamide A

*Tetrahedron Letters 44 (2003) 4919*

Takayuki Sawada, Douglas E. Fuerst and John L. Wood\*

*Sterling Chemistry Laboratory, Department of Chemistry, Yale University, New Haven, CT 06520-8107, USA*

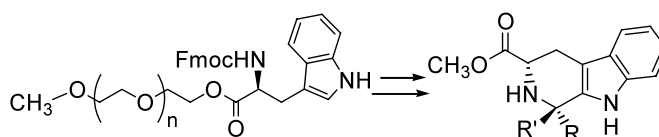


### Liquid-phase parallel synthesis of tetrahydro-β-carbolines

*Tetrahedron Letters 44 (2003) 4923*

Wen-Ben Yeh, Mei-Jung Lin and Chung-Ming Sun\*

*Department of Chemistry, National Dong Hwa University, Hualien 974, Taiwan*



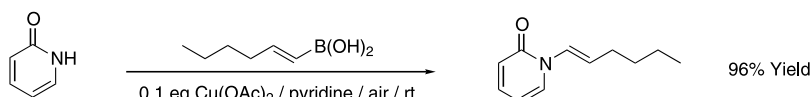
### Copper-promoted/catalyzed C–N and C–O bond cross-coupling with vinylboronic acid and its utilities

*Tetrahedron Letters 44 (2003) 4927*

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

*Bristol-Myers Squibb Co., PO Box 5400, Princeton, NJ 08543-5400, USA*

The mildest method of N-vinylation has been discovered. The synthetic utilities of the N- and O-vinylated products include protecting group, cyclopropanation and Grubbs' ring closure metathesis reactions.

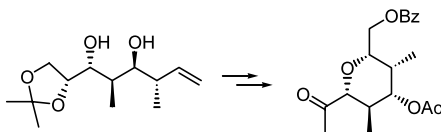


## Stereoselective synthesis of the C21–C27 fragment of the phorboxazoles

*Tetrahedron Letters 44 (2003) 4933*

Bo Liu and Wei-Shan Zhou\*

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



## Optimization of spiroimidazolidinone derivatives synthesis on solid phase using SynPhase™ Lanterns

*Tetrahedron Letters 44 (2003) 4937*

Philippe Bedos, Lidia Feliu, Jean Martinez and Muriel Amblard\*

*Laboratoire des Amino acides Peptides et Protéines-UMR-CNRS 5810-15, Avenue Charles Flahault, BP 14491, 34093 Montpellier Cédex 5, France*

