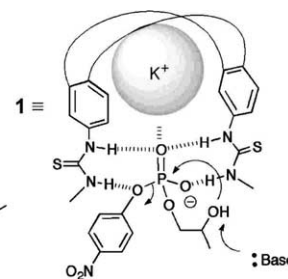
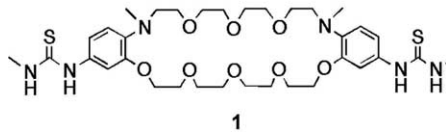


### An allosteric crown ether-induced activity control for the cleavage of a phosphodiester bond

Tetrahedron Letters 43 (2002) 3455

Tomokazu Tozawa, Sumio Tokita and Yuji Kubo\*

Department of Applied Chemistry, Faculty of Engineering, Saitama University, 255 Shimo-ohkubo, Saitama 338-8570, Japan

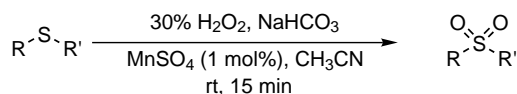


### Simple, economical and environmentally friendly sulfone synthesis

Tetrahedron Letters 43 (2002) 3459

Diego A. Alonso, Carmen Nájera\* and Montserrat Varea

Departamento de Química Orgánica, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain

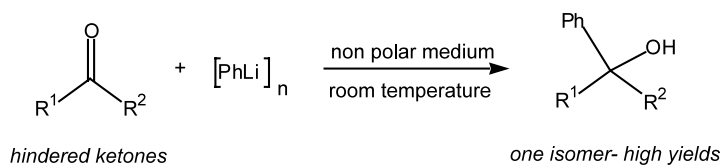


### Improved addition of phenyllithium to hindered ketones by the use of non-polar media

Tetrahedron Letters 43 (2002) 3463

Vincent Lecomte, Elie Stéphan\* and Gérard Jaouen

Laboratoire de chimie organométallique, Ecole Nationale Supérieure de Chimie et CNRS, 11 rue Pierre et Marie Curie, 75005 Paris, France

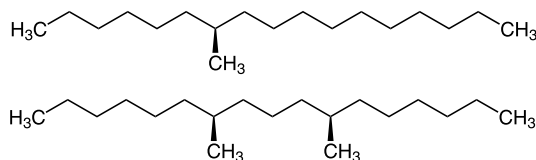


### Asymmetric synthesis of all stereoisomers of 7,11-dimethylheptadecane and 7-methylheptadecane, the female pheromone components of the spring hemlock looper and the pitch pine looper

Tetrahedron Letters 43 (2002) 3467

Dieter Enders\* and Thomas Schübeler

Institut für Organische Chemie, Rheinisch-Westfälische Technische Hochschule, Professor-Pirlet-Str. 1, 52074 Aachen, Germany

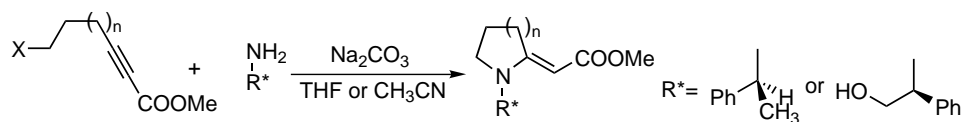


### A short and convenient synthesis of chiral heterocyclic $\beta$ -enamino esters from halogeno acetylenic esters

Tetrahedron Letters 43 (2002) 3471

Olivier David, Marie-Claude Fargeau-Bellassoued and Gérard Lhommet\*

Université P. & M. Curie, Laboratoire de Chimie des Hétérocycles, associé au CNRS (UMR 7611), 4 place Jussieu, F-75252 Paris Cedex 05, France



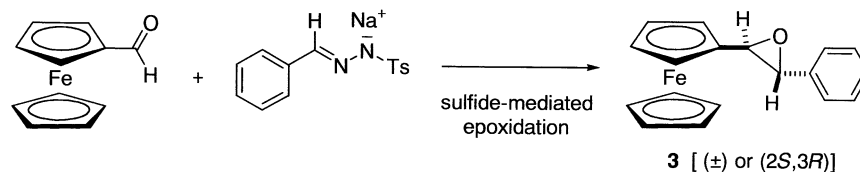
### Sulphur ylide-mediated stereoselective synthesis of a stable ferrocenyl epoxide

Tetrahedron Letters 43 (2002) 3475

Mònica Catasús,<sup>a</sup> Albert Moyano<sup>a,\*</sup> and Varinder K. Aggarwal<sup>b,\*</sup>

<sup>a</sup>Unitat de Recerca en Síntesi Asimètrica (URSA), Departament de Química Orgànica, Facultat de Química, Universitat de Barcelona, Martí i Franquès 1-11, 08028 Barcelona, Spain

<sup>b</sup>Department of Chemistry, University of Sheffield, Brook Hill, Sheffield S3 7HF, UK



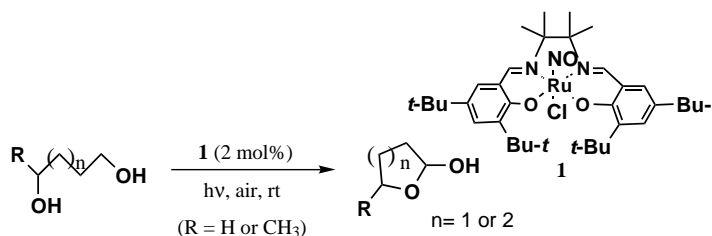
### Catalytic aerobic oxidation of diols under photo-irradiation: highly efficient synthesis of lactols

Tetrahedron Letters 43 (2002) 3481

Atsushi Miyata, Mizuki Furukawa, Ryo Irie and Tsutomu Katsuki\*

Department of Chemistry, Faculty of Science, Graduate School, Kyushu University 33 CREST, JST (Japan Science and Technology) Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

Aerobic oxidation of 1,*n*- and 1, $\omega$ -diols with (ON)-Ru(salen) **1** as the catalyst was found to give the corresponding lactols in good yields.

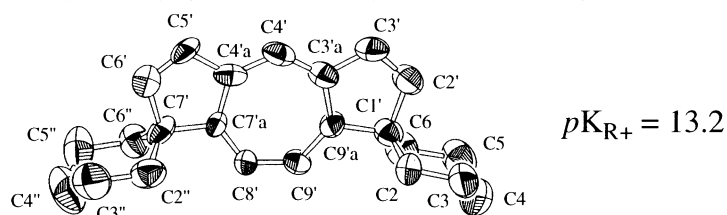


### Dispiro[cyclohexane-1,1'-(1',7'-dihydrocyclopenta[*f*]azulenium)-7',1''-cyclohexane] perchlorate, a new highly stable hydrocarbon cation

Tetrahedron Letters 43 (2002) 3485

Mitsunori Oda,\* Hitoshi Kainuma, Ryuta Miyatake and Shigeyasu Kuroda\*

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

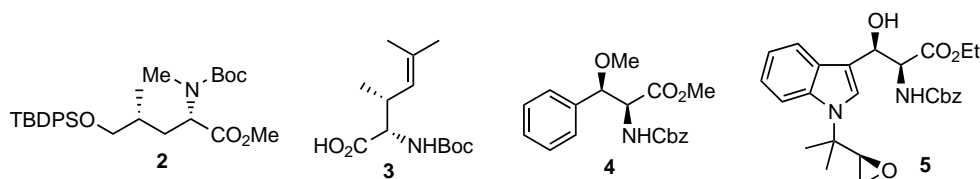


## Syntheses of four unusual amino acids, constituents of cyclomarins A

Tetrahedron Letters 43 (2002) 3489

Hideyuki Sugiyama, Takayuki Shioiri and Fumiaki Yokokawa\*

Graduate School of Pharmaceutical Sciences, Nagoya City University, Tanabe-dori, Mizuho-ku, Nagoya 467-8603, Japan

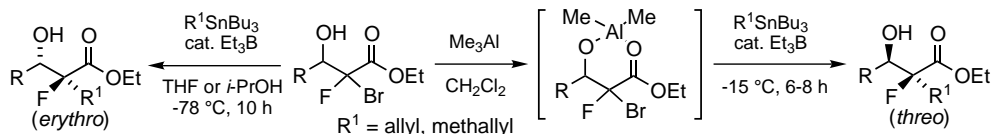


## Highly efficient and stereoselective route to *threo*- and *erythro*- $\alpha$ -allylated $\alpha$ -fluoro- $\beta$ -hydroxy esters via radical allylation reaction

Tetrahedron Letters 43 (2002) 3493

Takashi Ishihara,\* Kazuhide Mima, Tsutomu Konno and Hiroki Yamanaka

Department of Chemistry and Materials Technology, Kyoto Institute of Technology, Matsugasaki, Sakyo-ku, Kyoto 606-8585, Japan



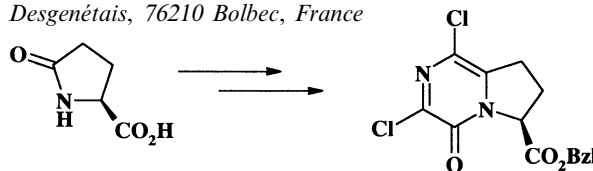
## Synthesis of benzyl (6*S*)-1,3-dichloro-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-*a*]pyrazine-6-carboxylic ester, a new conformationally constrained peptidomimetic derivative

Tetrahedron Letters 43 (2002) 3499

Philippe Gloanec,<sup>a,\*</sup> Yolande Hervé,<sup>b</sup> Nathalie Brémard,<sup>b</sup> Jean-Pierre Lecouvé,<sup>b</sup> Fabienne Bréard<sup>b</sup> and Guillaume De Nanteuil<sup>a</sup>

<sup>a</sup>Institut de Recherches Servier, 11 rue des Moulineaux, 92150 Suresnes, France

<sup>b</sup>Oril Industries, 13 rue Auguste Desgenétais, 76210 Bolbec, France



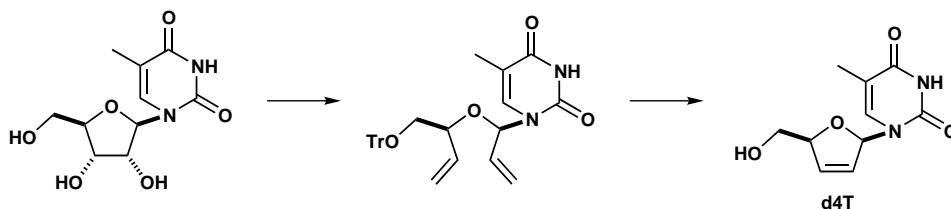
## A novel approach to unsaturated acyclic nucleoside analogues and the first synthesis of d4T by ring closure metathesis

Tetrahedron Letters 43 (2002) 3503

David Ewing,<sup>a</sup> Virginie Glaçon,<sup>a</sup> Grahame Mackenzie,<sup>a</sup> Denis Postel<sup>b</sup> and Christophe Len<sup>b,\*</sup>

<sup>a</sup>Centre for Organic and Biological Chemistry, University of Hull, Hull, UK

<sup>b</sup>Laboratoire des Glucides, Université de Picardie-Jules Verne, 33 rue Saint Leu, 80039 Amiens, France



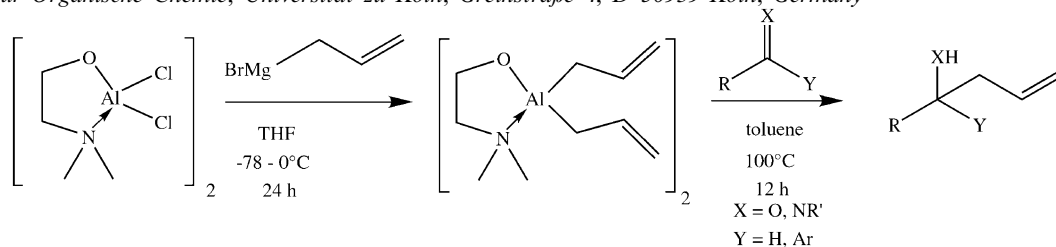
**Diallylaluminium-*N,N*-dimethylaminoethanolate, the first stable allyl-alane suitable for additions to aldehydes, ketones and imines**

*Tetrahedron Letters* 43 (2002) 3507

Herbert Schumann,<sup>a,\*</sup> Jens Kaufmann,<sup>a</sup> Sebastian Dechert<sup>a</sup> and Hans-Günther Schmalz<sup>b</sup>

<sup>a</sup>*Institut für Chemie, Technische Universität Berlin, Straße des 17. Juni 135, D-10623 Berlin, Germany*

<sup>b</sup>*Institut für Organische Chemie, Universität zu Köln, Greinstraße 4, D-50939 Köln, Germany*

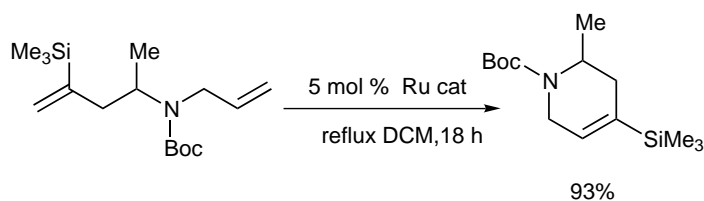


**A new access to various functionalised trimethylsilyl substituted carbo- and heterocycles**

*Tetrahedron Letters* 43 (2002) 3513

Marc Schuman and Véronique Gouverneur\*

*University of Oxford, The Dyson Perrins Laboratory, South Parks Road, Oxford OX1 3QY, UK*

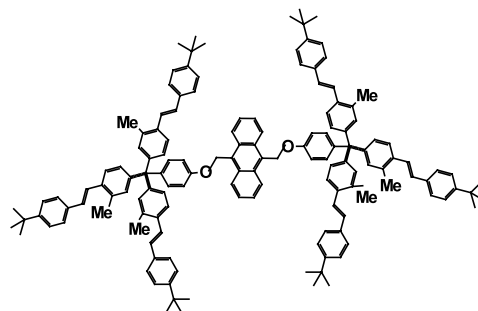


**Tetraphenylmethane based tectons in dendrimer synthesis: preparation and energy transfer properties of a dendritic stilbene-anthracene dyad**

*Tetrahedron Letters* 43 (2002) 3517

Saumitra Sengupta\* and Nilasish Pal

*Department of Chemistry, Jadavpur University, Kolkata 700 032, India*

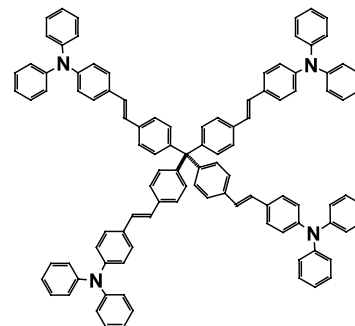


**A tetraphenylmethane based starburst triarylamine cluster: spectroscopy, electrochemistry and morphological studies**

*Tetrahedron Letters* 43 (2002) 3521

Saumitra Sengupta,\* Subir Kumar Sadhukhan and Sanjukta Muhuri

*Department of Chemistry, Jadavpur University, Kolkata 700 032, India*



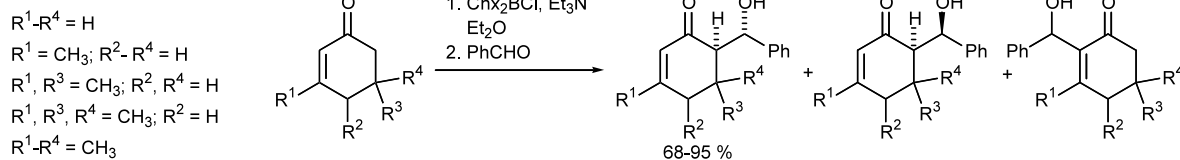
## Syntheses with organoboranes. Part 14: Enolization–aldolization of conjugated cyclohexenones via dienolborinates

Tetrahedron Letters 43 (2002) 3525

Marek Zaidlewicz,<sup>a,\*</sup> Wojciech Sokół,<sup>a</sup> Andrzej Wojtczak,<sup>a</sup> Piotr Neumann<sup>a</sup> and Maija Nissinen<sup>b</sup>

<sup>a</sup>Department of Chemistry, Nicolaus Copernicus University, 87-100 Toruń, Poland

<sup>b</sup>Department of Chemistry, University of Jyväskylä, 40351 Jyväskylä, Finland



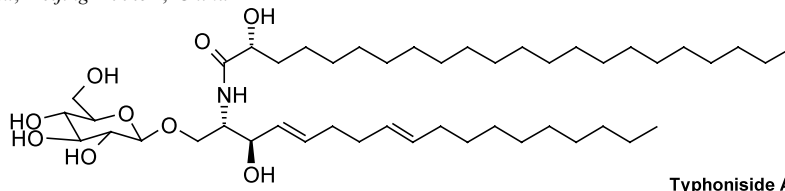
## Structure determination and synthesis of a new cerebroside isolated from the traditional Chinese medicine *Typhonium giganteum* Engl.

Tetrahedron Letters 43 (2002) 3529

Xuesong Chen,<sup>a,b</sup> Yu-Lin Wu<sup>a,\*</sup> and Dihua Chen<sup>b,\*</sup>

<sup>a</sup>State Key Laboratory of Bio-organic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, China

<sup>b</sup>Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College, 100 Dongbeiwang Road, Beijing 100094, China



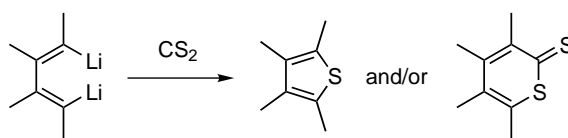
## Novel reaction patterns of carbon disulfide with organolithium compounds via cleavage of C=S bonds or via cycloaddition reactions

Tetrahedron Letters 43 (2002) 3533

Jinglong Chen,<sup>a</sup> Qiuling Song<sup>a</sup> and Zhenfeng Xi<sup>a,b,\*</sup>

<sup>a</sup>College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China

<sup>b</sup>State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Shanghai 200032, China

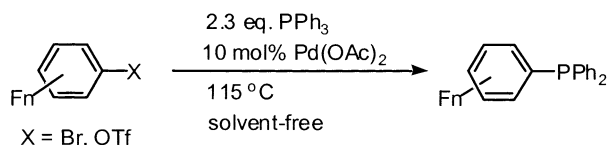


## Solvent-free palladium-catalyzed phosphination of aryl bromides and triflates with triphenylphosphine

Tetrahedron Letters 43 (2002) 3537

Fuk Yee Kwong, Chi Wai Lai and Kin Shing Chan\*

Department of Chemistry, Open Laboratory of Chirtechology of the Institute of Molecular Technology for Drug Discovery and Synthesis, The Chinese University of Hong Kong, Shatin, Hong Kong

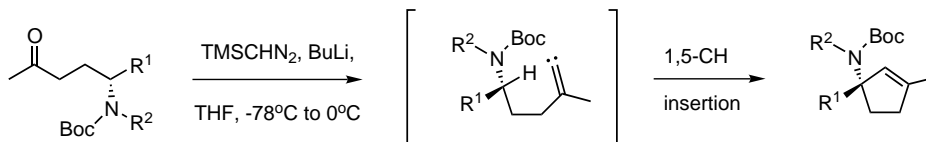


## Scope and limitations of the alkylidene carbene 1,5-CH insertion reactions of $\alpha$ -amino acid-derived substrates

Tetrahedron Letters 43 (2002) 3541

Renameditswe Mapitse and Christopher J. Hayes\*

The School of Chemistry, The University of Nottingham, University Park, Nottingham NG7 2RD, UK



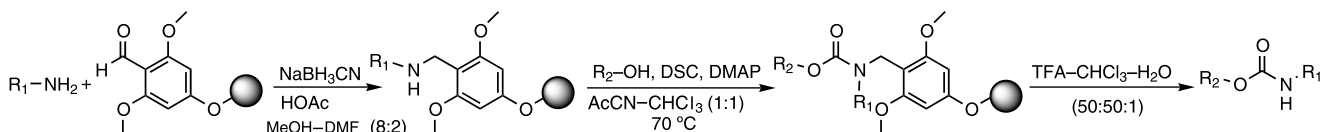
## Solid-phase syntheses of *N*-substituted carbamates. Reaction monitoring by gel-phase <sup>13</sup>C NMR using a <sup>13</sup>C enriched BAL-linker

Tetrahedron Letters 43 (2002) 3543

Dolors Fernández-Forner,<sup>a,\*</sup> Josep M. Huerta,<sup>a</sup> Manel Ferrer,<sup>a</sup> Gaspar Casals,<sup>a</sup> Hamish Ryder,<sup>a</sup> Ernest Giralt<sup>b</sup> and Fernando Albericio<sup>b</sup>

<sup>a</sup>Research Center, Almirall Prodesfarma, Cardener 68-74, E-08024 Barcelona, Spain

<sup>b</sup>Department of Organic Chemistry, University of Barcelona, E-08028 Barcelona, Spain

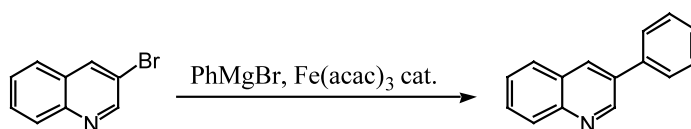


## Iron-catalysed arylation of heteroaryl halides by Grignard reagents

Tetrahedron Letters 43 (2002) 3547

Jérôme Quintin, Xavier Franck, Reynald Hocquemiller and Bruno Figadère\*

Laboratoire de Pharmacognosie, associé au CNRS (BIOCIS), Université Paris-Sud, Faculté de Pharmacie, rue Jean-Baptiste Clément, 92296 Châtenay-Malabry, France

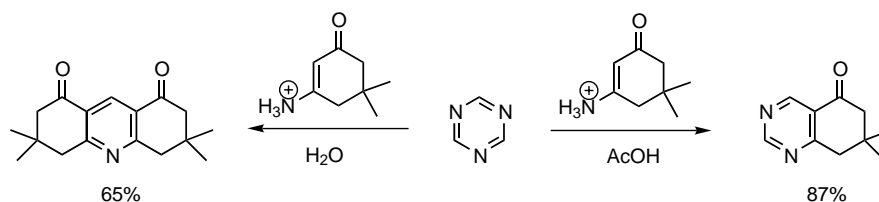


## Efficient synthesis of quinazolinones as intermediates of CNS agents via inverse-electron demand Diels-Alder reaction

Tetrahedron Letters 43 (2002) 3551

Estibaliz R. Bilbao, Mario Alvarado, Christian F. Masaguer\* and Enrique Raviña

Departamento de Química Orgánica, Laboratorio de Química Farmacéutica, Facultad de Farmacia, Universidad de Santiago de Compostela, E-15782 Santiago de Compostela, Spain

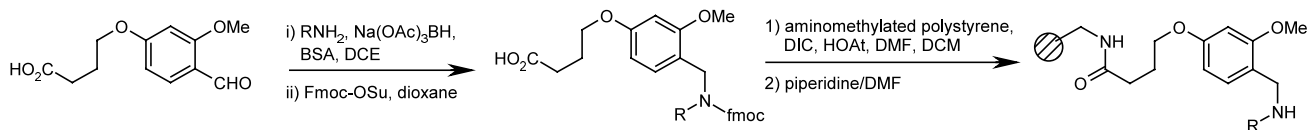


## An alternative method for the preparation of resin-bound secondary amines

*Tetrahedron Letters 43 (2002) 3555*

Richard E. Austin, Christian A. Waldraff and Fahad Al-Obeidi\*

*Selectide, A Subsidiary of Aventis Pharmaceuticals Inc., 1580 E. Hanley Blvd., Tucson, AZ 85737, USA*



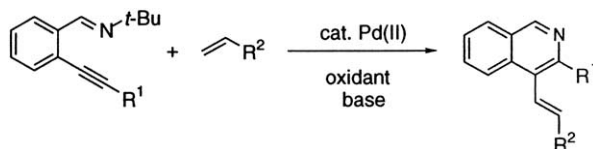
## Synthesis of isoquinolines by palladium-catalyzed cyclization, followed by a Heck reaction

*Tetrahedron Letters 43 (2002) 3557*

Qinhua Huang and Richard C. Larock\*

*Department of Chemistry, Iowa State University, 2751 Gilman Hall, Ames, IA 50011, USA*

A variety of 4-(1-alkenyl)-3-arylisoquinolines have been prepared by the Pd(II)-catalyzed cyclization of 2-(1-alkynyl)benzaldimines, followed by alkenylation (Heck reaction) in good to excellent yields. The introduction of an *ortho*-methoxy group on the benzaldimine promotes the Pd-catalyzed cyclization and stabilizes the resulting Pd(II) intermediate, improving the yields of the desired isoquinoline products.



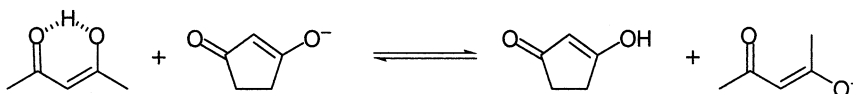
## The strength of a low-barrier hydrogen bond in water

*Tetrahedron Letters 43 (2002) 3561*

Freeman M. Wong, James R. Keeffe\* and Weiming Wu\*

*Department of Chemistry and Biochemistry, San Francisco State University, San Francisco, CA 94132, USA*

The free energy of formation in water for a low-barrier hydrogen bond is estimated to be 4.1–5.3 kcal mol<sup>-1</sup> over that of a conventional hydrogen bond.



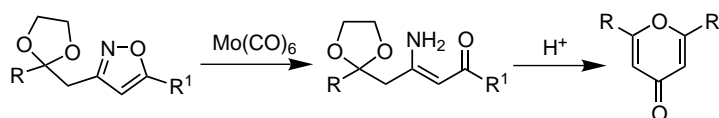
## Synthesis of pyran-4-ones from isoxazoles

*Tetrahedron Letters 43 (2002) 3565*

Chun-Sing Li\* and Edith Lacasse

*Merck Frosst Centre for Therapeutic Research, Merck Frosst Canada & Co., PO Box 1005, Pointe-Clarie Dorval, Quebec, Canada H9R 4P8*

A synthesis of mono-, di- and tri-substituted pyran-4-ones from isoxazoles is reported.



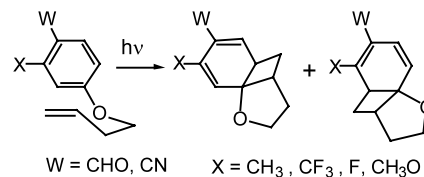
## Dipole-mediated regioselectivity in the [2+2]-photocycloaddition of double bonds to triplet benzenes

Tetrahedron Letters 43 (2002) 3569

Peter J. Wagner\* and Jong-Il Lee

Chemistry Department, Michigan State University, East Lansing, MI 48824, USA

Photoinduced cyclization of *ortho*-substituted *para*-butenoxy benzaldehydes and benzonitriles show regioselectivity that supports the idea that interaction of the C=O or C=N dipole with the dipole generated by charge transfer from the double bond to the benzene ring determines the regioselectivity.

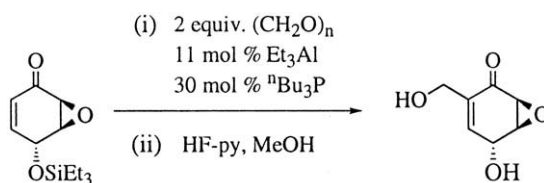


## The synthesis of *epi*-epoxydon utilising the Baylis–Hillman reaction

Tetrahedron Letters 43 (2002) 3573

Thorsten Genski and Richard J. K. Taylor\*

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

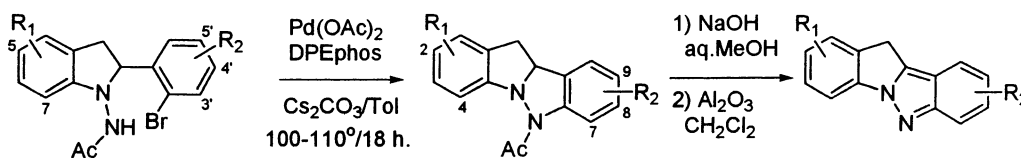


## Intramolecular aromatic amination by a hydrazino group for the synthesis of indolo[1,2-*b*]indazole derivatives

Tetrahedron Letters 43 (2002) 3577

Yong-ming Zhu, Yoshimitsu Kiryu and Hajime Katayama\*

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

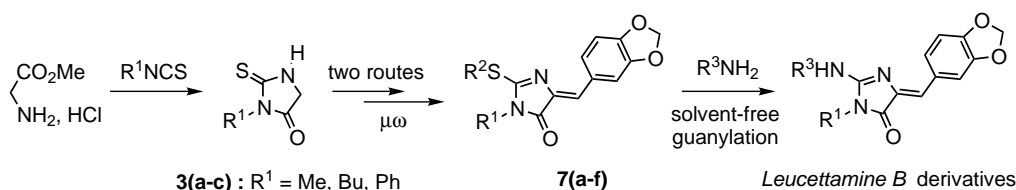


## Microwave-mediated solventless synthesis of new derivatives of marine alkaloid Leucettamine B

Tetrahedron Letters 43 (2002) 3581

Jean-René Chérouvrier, François Carreaux and Jean Pierre Bazureau\*

Université Rennes 1, Institut de Chimie, Synthèse & Electrosynthèse Organiques 3, UMR 6510, Bât. 10A, Campus de Beaulieu, Avenue du Général Leclerc, CS 74205, 35042 Rennes Cedex, France





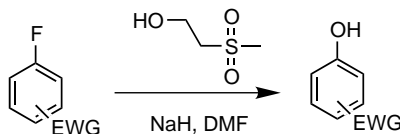
## Mild conversion of electron deficient aryl fluorides to phenols using 2-(methylsulfonyl)ethanol

Tetrahedron Letters 43 (2002) 3585

John F. Rogers and Daniel M. Green\*

Chemical Sciences, Wyeth Research, 500 Arcola Road, Collegeville, PA 19426, USA

A one-pot method to generate phenols in good yield has been developed.

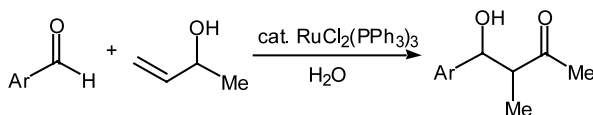


## Aldol reaction via in situ olefin migration in water

Tetrahedron Letters 43 (2002) 3589

Mingwen Wang and Chao-Jun Li\*

Department of Chemistry, Tulane University, New Orleans, LA 70118, USA

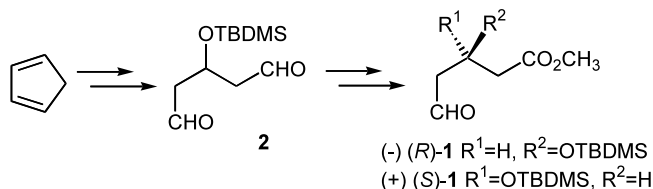


## Desymmetrisation of dialdehydes: (+)-(S) and (-)-(R) nor-methyl mevaldate as versatile synthetic intermediates

Tetrahedron Letters 43 (2002) 3593

Shirley L. J. Buckley, Michael G. B. Drew, Laurence M. Harwood\* and Antonio J. Macías-Sánchez

Department of Chemistry, University of Reading, Whiteknights, Reading, Berkshire RG6 6AD, UK

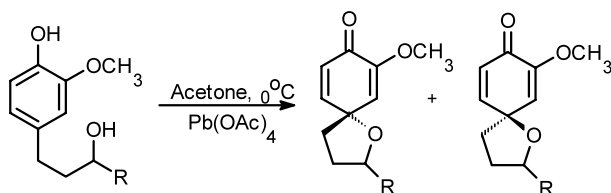


## Studies towards the diastereoselective spiroannulation of phenolic derivatives

Tetrahedron Letters 43 (2002) 3597

Guy L. Plourde\*

University of Northern British Columbia, Department of Chemistry, 3333 University Way, Prince George, British Columbia, Canada V2N 4Z9



R	Yield	Diastereomeric ratio
methyl	62	6/4
isopropyl	83	7/3
t-butyl	69	8/2

**Synthesis and application in asymmetric copper(I)-catalyzed allylic oxidation of a new chiral 1,10-phenanthroline derived from pinene**

*Tetrahedron Letters* 43 (2002) 3601

Giorgio Chelucci,<sup>a,\*</sup> Giovanni Loriga,<sup>b</sup> Gabriele Murineddu<sup>b</sup> and Gerard A. Pinna<sup>b</sup>

<sup>a</sup>Dipartimento di Chimica, Università di Sassari, via Vienna 2, I-07100 Sassari, Italy

<sup>b</sup>Dipartimento Farmaco Chimico Tossicologico, Università di Sassari, Via Muroli 23, I-07100 Sassari, Italy



**A new selective free radical synthesis of aromatic aldehydes by aerobic oxidation of tertiary benzylamines catalysed by N-hydroxyimides and Co(II) under mild conditions. Polar and enthalpic effects**

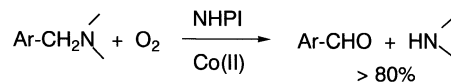
*Tetrahedron Letters* 43 (2002) 3605

Andrea Cecchetto,<sup>a</sup> Francesco Minisci,<sup>a,\*</sup> Francesco Recupero,<sup>a</sup> Francesca Fontana<sup>b</sup> and Gian Franco Pedullì<sup>c</sup>

<sup>a</sup>Dipartimento di Chimica, Materiali e Ingegneria Chimica 'G.Natta', Politecnico di Milano, via Mancinelli 7, 20131 Milano, Italy

<sup>b</sup>Dipartimento di Ingegneria, Università di Bergamo, viale Marconi 5, 24044 Milano, Italy

<sup>c</sup>Dipartimento di Chimica Organica 'A.Mangini', Università di Bologna, via S.Donato, 15, I-40127 Bologna BO, Italy



**Synthesis of (-)- and (+)-hyrtiosal and their C-16 epimers**

*Tetrahedron Letters* 43 (2002) 3609

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