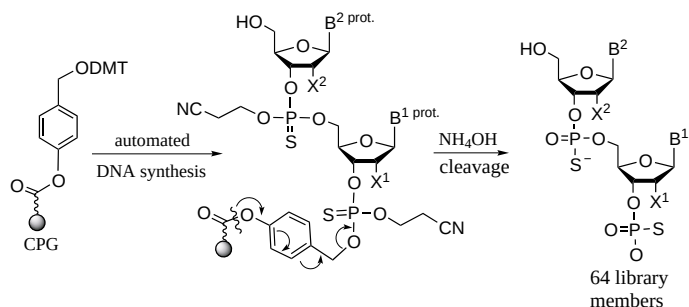
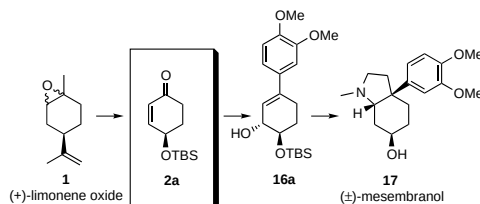


A novel linker for the solid-phase synthesis of a library of 3'-thiophosphorylated dinucleotides*Tetrahedron Letters 42 (2001) 3669*Arlène Roland,^a Yufang Xiao,^a Yi Jin^a and Radhakrishnan P. Iyer^{a,b,*}^aOrigenix Technologies Inc., 230 Bernard Belleau, Laval, Québec, Canada H7V 4A9^bOrigenix Technologies Inc., 100 Barber Avenue, Worcester, MA 01606, USA**An efficient and convenient synthesis of enantiopure 4-(*t*-butyldimethylsilyloxy)-cyclohex-2-en-1-one: a formal synthesis of (±)-mesembranol***Tetrahedron Letters 42 (2001) 3673*

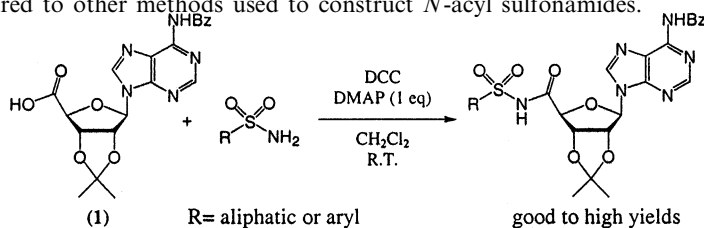
Jerry B. Evarts, Jr. and Philip L. Fuchs*

Department of Chemistry, Purdue University, West Lafayette, IN 47907, USA

**Facile synthesis of 5'-(*N*-acyl sulfonamide) derivatized nucleosides***Tetrahedron Letters 42 (2001) 3677*

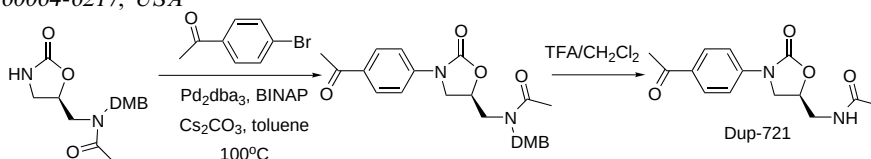
David C. Johnson, II and Theodore S. Widlanski*

Department of Chemistry, Indiana University, Bloomington, IN 47405, USA

The acylation of several primary sulfonamides with *N*₆-benzoyl-2',3'-isopropylidene-5'-carboxylic acid-5'-deoxyadenosine (1) is described and compared to other methods used to construct *N*-acyl sulfonamides.**Synthesis of *N*-arylated oxazolidinones via a palladium catalyzed cross coupling reaction. Application to the synthesis of the antibacterial agent Dup-721***Tetrahedron Letters 42 (2001) 3681*

David J. Madar,* Hana Kopecka, Daisy Pireh, Jonathan Pease, Marina Plushchev, Richard J. Sciotti, Paul E. Wiedeman and Stevan W. Djuric

Infectious Disease and Process Chemistry Research, Abbott Laboratories, D-47N, Bldg AP 52N, 200 Abbott Park Rd, Abbott Park, IL 60064-6217, USA



Novel stilbenes isolated from the root bark of *Ekebergia benguelensis**Tetrahedron Letters* 42 (2001) 3685

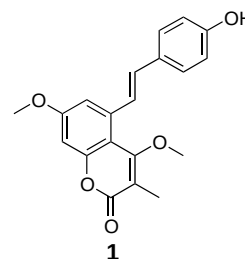
Daniel Chávez,^a Hee-Byung Chai,^a Tangai E. Chagwedera,^b Qi Gao,^c Norman R. Farnsworth,^a Geoffrey A. Cordell,^a John M. Pezzuto^a and A. Douglas Kinghorn^{a,*}

^aProgram for Collaborative Research in the Pharmaceutical Sciences and Department of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois at Chicago, Chicago, IL 60612, USA

^bDepartment of Pharmacy, University of Zimbabwe, Harare, Zimbabwe

^cBristol-Myers Squibb, Pharmaceutical Research Institute, Wallingford, CT 06492, USA

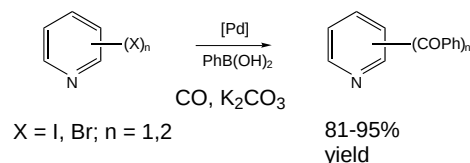
Four novel stilbenes (**1–4**) were isolated from the root bark of *Ekebergia benguelensis*. The structure of **1**, a new stilbene–coumarin hybrid representing a novel skeleton, was confirmed by single X-ray analysis. Compounds **1–4** were evaluated against a panel of human cancer cell lines.

**Palladium-catalyzed carbonylative cross-coupling reactions of pyridine halides and aryl boronic acids: a convenient access to α -pyridyl ketones***Tetrahedron Letters* 42 (2001) 3689

Samuel Couve-Bonnaire, Jean-François Carpentier,* André Mortreux and Yves Castanet*

Laboratoire de Catalyse de Lille associé au CNRS, Groupe de Chimie Organique Appliquée, Ecole Nationale Supérieure de Chimie de Lille, B.P. 108-59652 Villeneuve d'Ascq, France

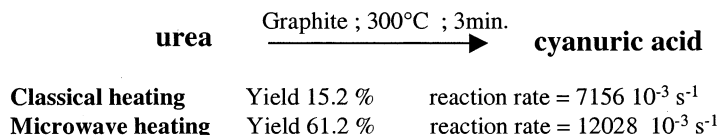
The proper choice of solvent, catalyst precursor and CO pressure enables the facile and selective transformation of mono- and dihalopyridines into phenyl pyridyl ketones.

**Microwave assisted pyrolysis of urea supported on graphite under solvent-free conditions***Tetrahedron Letters* 42 (2001) 3693

Farid Chemat^{a,*} and Martine Poux^b

^aLaboratoire de Chimie des Substances Naturelles et des Sciences des Aliments, Faculté des Sciences et Technologies, Université de la Réunion, 15 avenue René Cassin, B.P. 7151, F-97715 Saint Denis messag cedex 9, La Réunion, France D.O.M

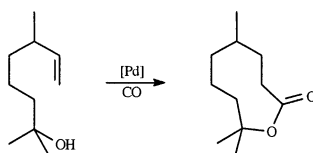
^bEcole Nationale Supérieure d'Ingénieurs de Génie Chimique de Toulouse, 18, Chemin de la Loge, 31078 Toulouse, cedex 4, France

**A chemoselective and regioselective catalytic way to a novel nine-membered lactone***Tetrahedron Letters* 42 (2001) 3697

Géraldine Lenoble, Martine Urrutigoity and Philippe Kalck*

Laboratoire de Catalyse, Chimie Fine et Polymères, Ecole Nationale Supérieure de Chimie, 118 route de Narbonne, 31077 Toulouse Cedex 04, France

Cyclocarbonylation of dihydromyrcenol into the corresponding lactone can be selectively performed in the presence of PdCl₂(PPh₃)₂/SnCl₂·2H₂O and 4 Å molecular sieves.



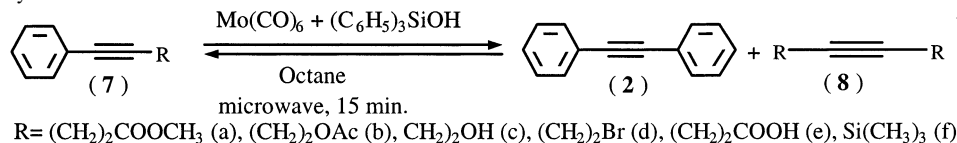
Silanol–molybdenum hexacarbonyl as a new efficient catalyst for metathesis of functionalised alkynes under microwave irradiation

Tetrahedron Letters 42 (2001) 3701

Didier Villemin,* Michael Héroux and Virginie Blot

Ecole Nationale Supérieure d'Ingénieurs de Caen, ISMRA, Université de Caen, équipe associée au CNRS, F-14050 Caen, France

The catalytic mixture based on $\text{Mo}(\text{CO})_6$ was re-examined in the metathesis of 4-methoxytolan. Silanols were found to be very active as co-catalysts. The metathesis of functional alkynes was convenient and rapidly achieved in octane as solvent under microwave irradiation in a resonance cavity.



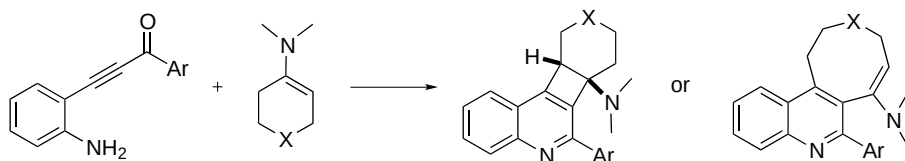
Concise synthesis of fused polycyclic quinolines

Tetrahedron Letters 42 (2001) 3705

Elisabetta Rossi,^{a,*} Giorgio Abbiati,^a Antonio Arcadi^b and Fabio Marinelli^b

^a*Istituto di Chimica Organica, Facoltà di Farmacia, Università degli Studi di Milano, Via Venezian, 21, I-20133 Milan, Italy*

^b*Dipartimento di Chimica, Ingegneria Chimica e Materiali, Facoltà di Scienze, Università de L'Aquila, Via Vetoio, Coppito due, 67100 L'Aquila, Italy*

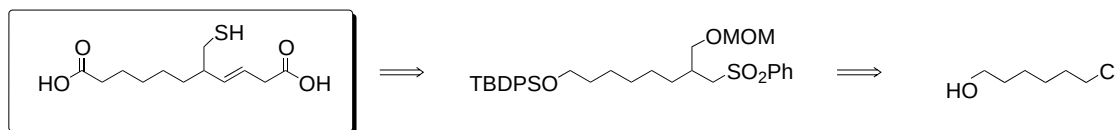


Synthesis of 5-(mercaptomethyl)-3(E)-undecene-1,11-dioic acid, a non-peptide glutathione analog

Tetrahedron Letters 42 (2001) 3709

Jean-Frédéric Duckert, Laurence Balas* and Jean-Claude Rossi

UMR C.N.R.S. 5074, Université Montpellier I, Faculté de Pharmacie, 15 Av. C. Flahault, F-34060 Montpellier Cedex, France

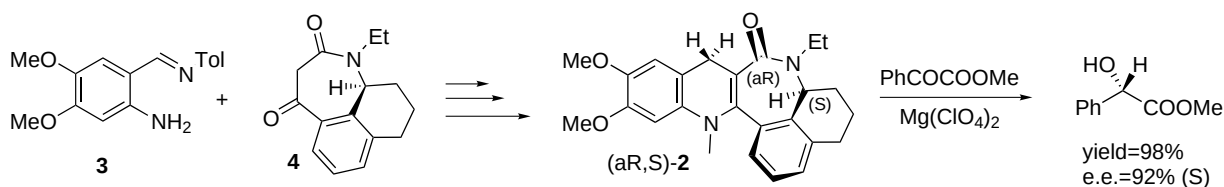


Rational design of novel axially chiral NADH models based on configurational control of atropisomeric lactams

Tetrahedron Letters 42 (2001) 3713

Jean-Luc Vasse, Georges Dupas, Jack Duflos, Guy Quéguiner, Jean Bourguignon and Vincent Levacher*

Laboratoire de Chimie Organique Fine et Hétérocyclique associé au CNRS, IRCOF-INSA, rue Tenières BP 08, F-76131 Mont Saint Aignan Cedex, France



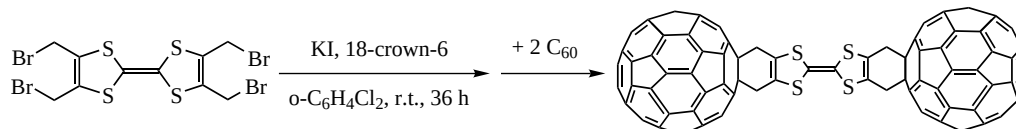
The dumbbell bis Diels–Alder adduct between tetramethyldiene[4H]tetrathiafulvalene and two C₆₀

Tetrahedron Letters 42 (2001) 3717

Sheng-Gao Liu,^a David Kreher,^a Pi  trick Hudhomme,^{a,*} Eric Levillain,^a Michel Cariou,^a Jacques Delaunay,^a Alain Gorgues,^{a,*} Jos   Vidal-Gancedo,^b Jaume Veciana^b and Concepci   Rovira^b

^aLaboratoire d'Ing  nierie Mol  culaire et Mat  riaux Organiques, UMR CNRS 6501, Universit   d'Angers, 2 Bd Lavoisier, 49045 Angers Cedex, France

^bInstitut de Ci  ncia de Materials de Barcelona, (C.S.I.C.), Campus de la U.A.B., 08193 Bellaterra, Spain



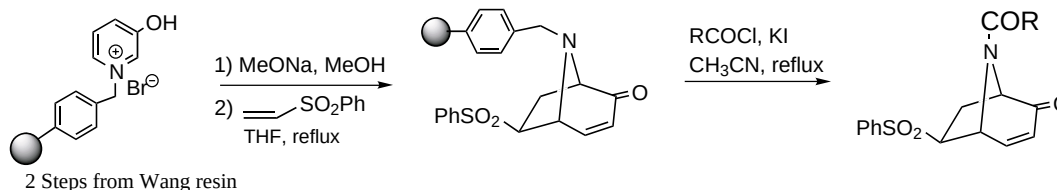
Solid-phase synthesis of functionalized tropane derivatives via 1,3-dipolar cycloaddition

Tetrahedron Letters 42 (2001) 3721

Sandrine Caix-Haumesser,^a Issam Hanna,^{a,*} Jean-Yves Lallemand^a and Jean-Fran  ois Peyronel^b

^aLaboratoire de Synth  se Organique associ   au CNRS, Ecole Polytechnique, F-91128 Palaiseau, France

^bAventis Pharma, Paris Research Center, 13 quai Jules Guesde BP 14, F-94403 Vitry sur Seine, France



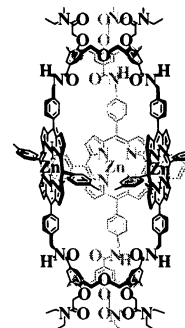
A novel porphyrin–homooxacalix[3]arene conjugate which creates a C₃-symmetrical capsular space

Tetrahedron Letters 42 (2001) 3725

Masaru Kawaguchi, Atsushi Ikeda and Seiji Shinkai*

Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 812-8581, Japan

The Zn(II) complex showed a high encapsulation ability for C₃-symmetrical guest molecules. In addition, the binding properties were allosterically controlled by added Na⁺ or CH₃OH.



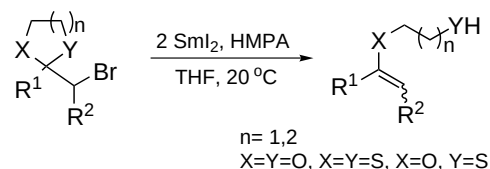
Facile synthesis of enol ethers by cleavage of   -bromoacetals and   -bromoketals mediated by SmI₂

Tetrahedron Letters 42 (2001) 3729

Heui Sul Park, Seong Ho Kim, Min Young Park and Yong Hae Kim*

Center for Molecular Design and Synthesis, Department of Chemistry, Korea Advanced Institute of Science and Technology, Taejon 305-701, South Korea

  -Bromocyclicacetals,   -bromocyclicketals and   -bromocyclicthioketals, derived from cyclic and acyclic ketones and aldehydes, reacted with samarium diiodide at –78  C in THF to furnish the corresponding enol ethers or thioenol ethers containing hydroxy or thiol moieties in high yields.

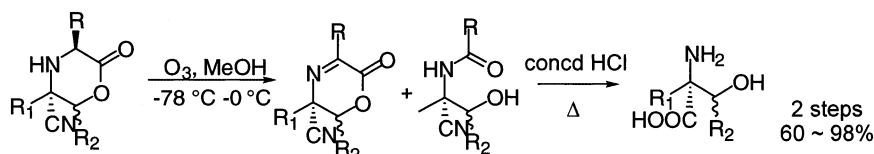


Novel and efficient transformation of α -amino nitrile to α -imino and α -amide nitriles in asymmetric Strecker synthesis

Tetrahedron Letters 42 (2001) 3733

Kosuke Namba, Masanori Kawasaki, Ichinori Takada, Seiji Iwama, Masashi Izumida, Tetsuro Shinada* and Yasufumi Ohfuné*

Graduate School of Science, Osaka City University, Sugimoto, Osaka 558-8585, Japan

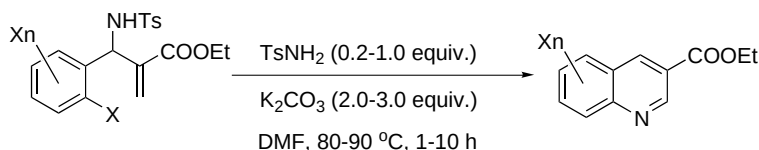


Synthesis of 3-quinolinecarboxylic acid esters from the Baylis–Hillman adducts of 2-halobenzaldehyde *N*-tosylimines

Tetrahedron Letters 42 (2001) 3737

Jae Nyoung Kim,* Hong Jung Lee, Ka Young Lee and Hyoung Shik Kim

Department of Chemistry, Chonnam National University, Kwangju 500-757, South Korea



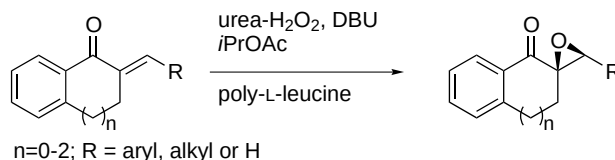
Asymmetric epoxidation of a geminally-disubstituted and some trisubstituted enones catalysed by poly-L-leucine

Tetrahedron Letters 42 (2001) 3741

Paul A. Bentley, Jamie F. Bickley, Stanley M. Roberts* and Alexander Steiner

Department of Chemistry, University of Liverpool, Crown Street, Liverpool L69 7ZD, UK

A range of enones, derived from tetralones or related cyclic ketones, can be oxidised in the presence of poly-L-leucine to afford the corresponding epoxides in 63–85% yield and 59–96% ee.



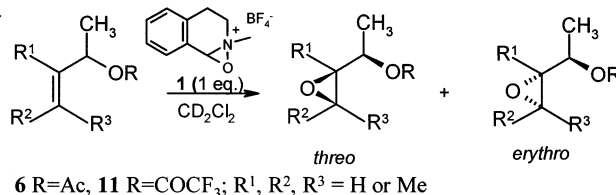
Regio- and diastereoselection in the oxaziridinium salt oxidation of acyclic allylic acetates

Tetrahedron Letters 42 (2001) 3745

David Poisson, Gilles Cure, Guy Solladié and Gilles Hanquet*

Laboratoire de Stéréochimie associé au CNRS, ECPM, Université Louis Pasteur, 25 rue Becquerel, 67087 Strasbourg, France

Oxaziridinium salt **1** epoxidizes acyclic allylic acetates **6** with a *threo*-selectivity. The selectivity drops dramatically when the acetate group is replaced by a less basic trifluoroacetate (substrate **11**). A transition state is proposed in which the π -facial selectivity is controlled by the acetate with minimization of 1,3-allylic strain.



Prevezols A and B: new brominated diterpenes from the red alga *Laurencia obtusa*

Tetrahedron Letters 42 (2001) 3749

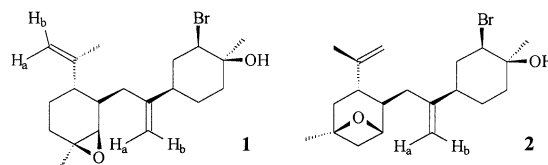
Nikos Mihopoulos,^{a,b} Constantinos Vagias,^a Emmanuel Mikros,^c Michael Scoullou^b and Vassilios Roussis^{a,*}

^aSchool of Pharmacy, Department of Pharmacognosy,

^bDepartment of Chemistry, Division III, Laboratory of Environmental Chemistry and Chemical Oceanography,

^cSchool of Pharmacy, Department of Pharmaceutical Chemistry, University of Athens, Panepistimioupolis Zografou, Athens 157 01, Greece

Brominated diterpenes, prevezol A and B, were isolated from the red alga *Laurencia obtusa*. The chemical structures of the new natural products were established by means of spectral data analysis, including 2D NMR experiments along with molecular calculations.

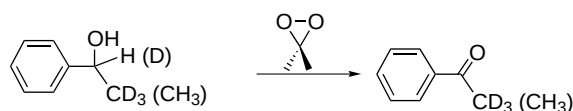


Oxidation of benzyl alcohols by dimethyldioxirane. The question of concerted versus stepwise mechanisms probed by kinetic isotope effects

Tetrahedron Letters 42 (2001) 3753

Yiannis S. Angelis, Nikos S. Hatzakis, Ioulia Smonou and Michael Orfanopoulos*

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



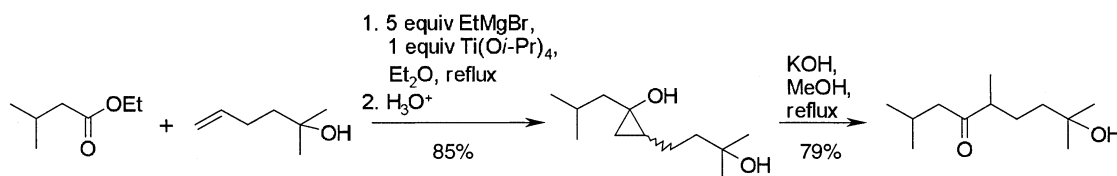
primary $k_H/k_D = 3.6$
 β -secondary $k_H/k_D = 0.98-1.01$

Two-step synthesis of ($\pm$)-stigmolone, the pheromone of *Stigmatella aurantiaca*

Tetrahedron Letters 42 (2001) 3757

Oleg L. Epstein and Oleg G. Kulinkovich*

Department of Organic Chemistry, Belarussian State University, 4, Skaryn av., 220050 Minsk, Belarus



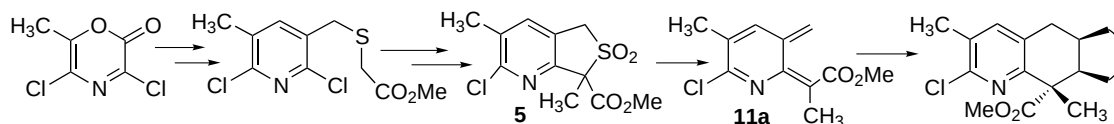
Functionalised pyridine sulfolenes as precursors to pyridine *o*-quinodimethane derivatives and their [4+2] cycloadducts

Tetrahedron Letters 42 (2001) 3759

Steven L. Cappelle, Ilse A. Vogels, Luc Van Meervelt, Frans Compennolle and Georges J. Hoornaert*

Department of Chemistry, K.U. Leuven, Celestijnenlaan 200F, B-3001 Leuven-Heverlee, Belgium

Starting from the oxazinone azadiene system, the pyridine sulfolene **5** was constructed; thermolysis of **5** produced the corresponding pyridine *o*-quinodimethane **11a**, which was trapped with cyclic dienophiles.

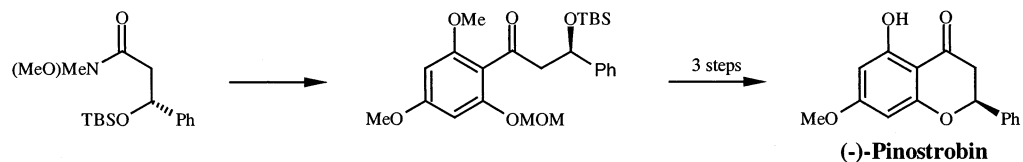


Approaches to 2-substituted chroman-4-ones: synthesis of (-)-pinostrobin

Tetrahedron Letters 42 (2001) 3763

Kevin J. Hodgetts

Department of Chemistry, University College Dublin, Belfield, Dublin 4, Ireland



Synthesis of a C_3 -symmetric ferrocenylphosphine and its application to the Suzuki reaction of aryl chlorides

Tetrahedron Letters 42 (2001) 3767

Tom E. Pickett and Christopher J. Richards*

Department of Chemistry, Cardiff University, PO Box 912, Cardiff CF10 3TB, UK

