

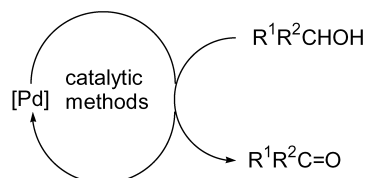
## Graphical abstracts

### Palladium-catalysed oxidation of primary and secondary alcohols

Jacques Muzart

Unité Mixte de Recherche 'Réactions Sélectives et Applications', CNRS-Université de Reims Champagne-Ardenne, B.P. 1039, 51687 Reims Cedex 2, France

*Tetrahedron* 59 (2003) 5789

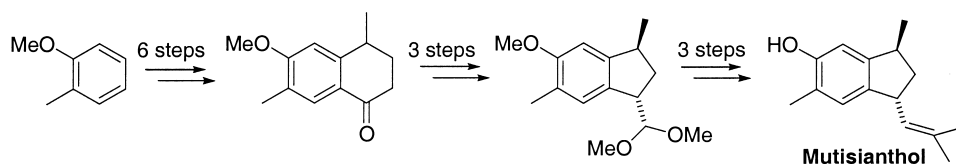


### A diastereoselective total synthesis of the sesquiterpene (±)-mutisianthol

Helena M. C. Ferraz,\* Andrea M. Aguilar and Luiz F. Silva, Jr.

Departamento de Química, Instituto de Química, Universidade de São Paulo, Av. Prof. Lineu Prestes, 748, CP 26077, CEP 05513-970 São Paulo SP, Brazil

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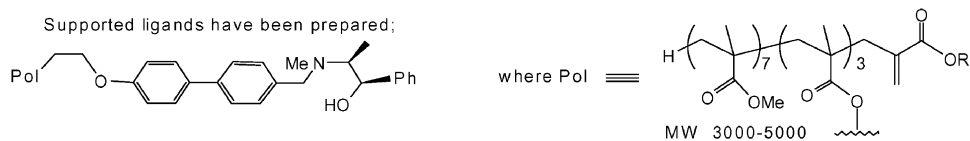
### Synthesis and preliminary studies on a novel class of soluble amino alcohol reagents based on methacrylate copolymers

Christopher W. Edwards,<sup>a</sup> David M. Haddleton,<sup>a</sup> David Morsley,<sup>a</sup> Mark R. Shipton<sup>b</sup> and Martin Wills<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, University of Warwick, Gibbit Hill Road, Coventry CV4 7AL, UK

<sup>b</sup>GlaxoSmithKline Pharmaceuticals PLC, Medicines Research Centre, Gunnels Wood Road, Stevenage, Herts SG1 2NY, UK

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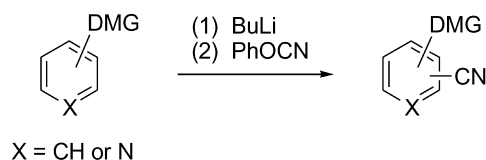


### An efficient synthesis of cyanoarenes and cyanoheteroarenes via lithiation followed by electrophilic cyanation

Nobuhiro Sato\* and Qi Yue

Graduate School of Integrated Science, Yokohama City University, Yokohama 236-0027, Japan

*Tetrahedron* 59 (2003) 5831

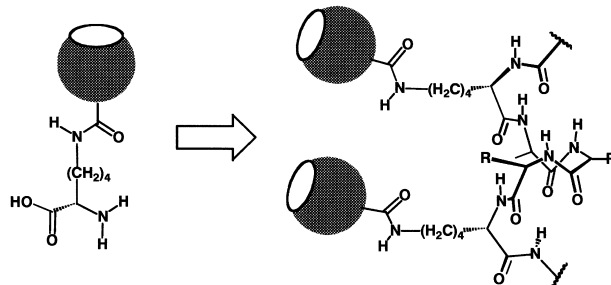


## Calixarene amino acids; building blocks for calixarene peptides and peptide-dendrimers

Heng Xu, Gary R. Kinsel, Jiang Zhang, Meiling Li and Dmitry M. Rudkevich\*

Department of Chemistry and Biochemistry, University of Texas at Arlington, Box 19065, Arlington, TX 76019-0065, USA

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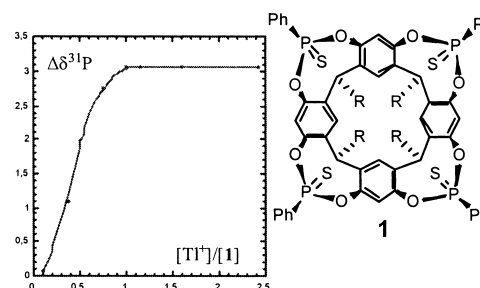
## Thiophosphorylated cavitaand: structure and affinity towards soft metal ions

Brigitte Bibal,<sup>a</sup> Jean-Paul Declercq,<sup>b</sup> Jean-Pierre Dutasta,<sup>a,\*</sup> Bernard Tinant<sup>b</sup> and Anne-Gaëlle Valade<sup>a</sup>

<sup>a</sup>École Normale Supérieure de Lyon, Stéréochimie et Interactions Moléculaires, UMR CNRS no. 5532, 46, Allée d'Italie, F-69364 Lyon 07, France

<sup>b</sup>Université Catholique de Louvain, Unité de Chimie Structurale et des Mécanismes Réactionnels, 1 Place Louis Pasteur, B-1348 Louvain-la-Neuve, Belgium

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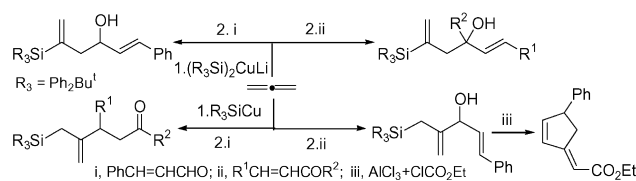


## New evidence on the regiochemistry of the *tert*-butyl-diphenylsilylcupration of allene using the silylcuprate or silylcopper reagent

Purificación Cuadrado, Ana M. González-Nogal,\* Alicia Sánchez and M. Angeles Sarmentero

Departamento de Química Orgánica, Universidad de Valladolid, Dr Mergelina sn, 47011 Valladolid, Spain

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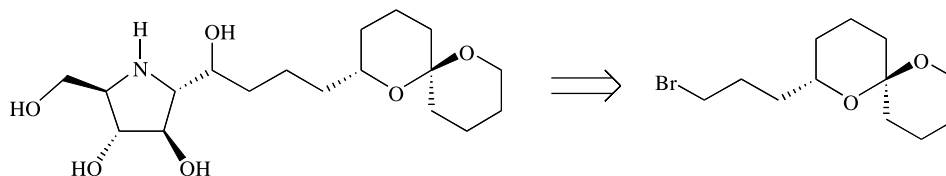
## Synthesis of the spiroacetal fragment of broussonetine H

Margaret A. Brimble,<sup>a,\*</sup> Jae H. Park<sup>a</sup> and Carol M. Taylor<sup>b</sup>

<sup>a</sup>Department of Chemistry, University of Auckland, Private Bag 92019, 23 Symonds St., Auckland, New Zealand

<sup>b</sup>Institute of Fundamental Sciences, Massey University, Private Bag 11-222, Palmerston North, New Zealand

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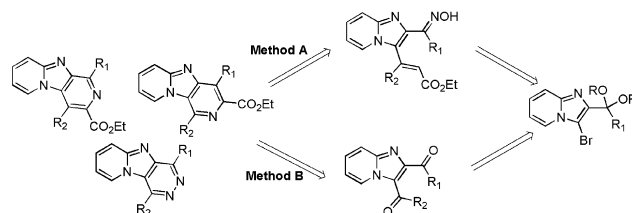
## Efficient synthesis of novel dipyridoimidazoles and pyrido[1',2';1,2]imidazo[4,5-d]pyridazine derivatives

*Tetrahedron 59 (2003) 5869*

Jean M. Chezal,<sup>a</sup> Emmanuel Moreau,<sup>a</sup> Olivier Chavignon,<sup>a</sup> Claire Lartigue,<sup>a</sup> Yves Blache<sup>b</sup> and Jean C. Teulade<sup>a,\*</sup>

<sup>a</sup>Faculté de Pharmacie, Chimie Organique, UMR-INSERM 484, 28 place Henri-Dunant, B.P. 38, 63001 Clermont-Ferrand CEDEX 1, France

<sup>b</sup>Laboratoire de Chimie Organique Pharmaceutique, Faculté de Pharmacie, 15 avenue Ch.-Flahault, 34060 Montpellier, France



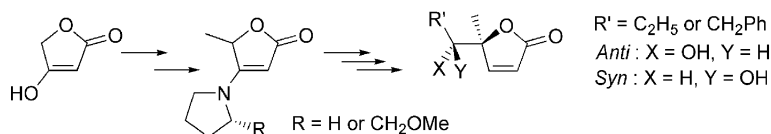
## Asymmetric synthesis of 5-(1-hydroxyalkyl)-5-methyl-5H-furan-2-ones

*Tetrahedron 59 (2003) 5879*

Hélène Bruyère,<sup>a</sup> Stéphanie Ballereau,<sup>a</sup> Mohamed Selkti<sup>b</sup> and Jacques Royer<sup>a,\*</sup>

<sup>a</sup>UMR 8638 CNRS/Université René Descartes, Laboratoire de Chimie Thérapeutique, Faculté de Pharmacie, 4 avenue de l'Observatoire, 75270 Paris Cedex 06, France

<sup>b</sup>UMR 8015 CNRS/Université René Descartes, Laboratoire de Cristallographie et RMN Biologiques, Faculté de Pharmacie, 4 avenue de l'Observatoire, 75270 Paris Cedex 06, France



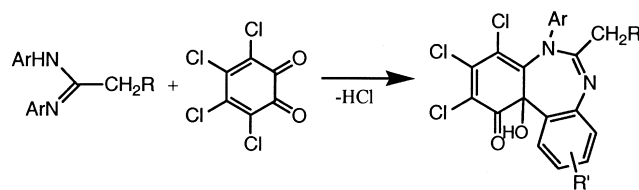
## Reaction of *N*<sup>1</sup>,*N*<sup>2</sup>-diarylamidines with 3,4,5,6-tetrachloro-1,2-benzoquinone

*Tetrahedron 59 (2003) 5887*

Mohsen A.-M. Goma<sup>a,\*</sup> and Dietrich Döpp<sup>b</sup>

<sup>a</sup>Department of Chemistry, Faculty of Science, Minia University, 61519 El-Minia, Egypt

<sup>b</sup>Institut für Chemie, Universität Duisburg-Essen, D-47048 Duisburg, Germany



## A new synthetic approach to 5-dethia-4-methyl-5-oxacephems

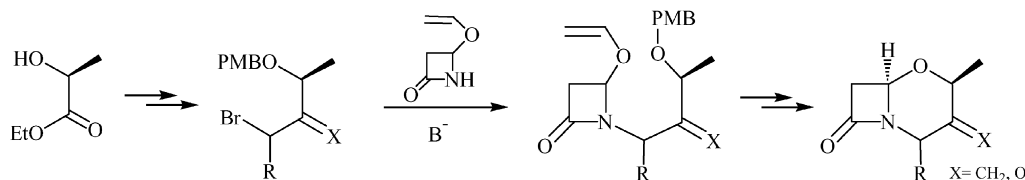
*Tetrahedron 59 (2003) 5893*

Zbigniew Kałuza,<sup>a,\*</sup> Arkadiusz Kazimierski,<sup>a</sup> Krzysztof Lewandowski,<sup>b</sup> Kinga Suwińska,<sup>c</sup> Beata Szczęsna<sup>a</sup> and Marek Chmielewski<sup>a</sup>

<sup>a</sup>Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 4452, 01224 Warsaw, Poland

<sup>b</sup>Institute of Chemistry, Podlasie University, 08-110 Siedlce, Poland

<sup>c</sup>Institute of Physical Chemistry of the Polish Academy of Sciences, 01-224 Warsaw, Poland



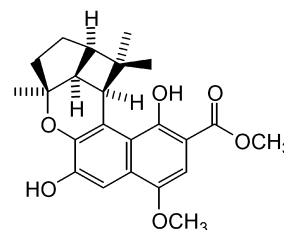
## New pentacyclic cyclol-type naphthohydroquinone from the roots of *Pentas bussei*

*Tetrahedron* 59 (2003) 5905

Jacques Bukuru, Tuyen Nguyen Van, Luc Van Puyvelde, Weidong He and Norbert De Kimpe\*

*Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Coupure Link 653, Ghent B9000, Belgium*

This report discloses the first isolation and structural elucidation of the novel pentacyclic cyclol-type naphthohydroquinone **2** from the dried roots of *Pentas bussei* K. Krause, collected in Kenya.

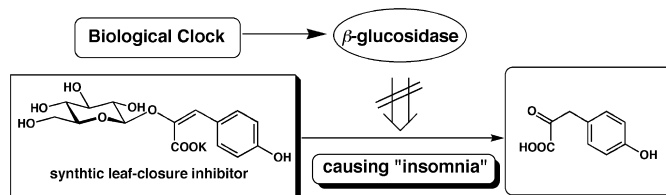


## Synthetic inhibitor of leaf-closure that reveals the biological importance of leaf-movement for the survival of leguminous plants

*Tetrahedron* 59 (2003) 5909

Eisuke Kato, Hideharu Nagano, Shosuke Yamamura and Minoru Ueda\*

*Laboratory of Natural Products Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Yokohama 2238522, Japan*



## Synthesis of the dibenzo[f,h]phthalazine and dibenzo[f,h]cinnoline skeleton via a 'Suzuki-Pd-catalyzed intramolecular arylation' and a 'Suzuki-Pschorr' approach

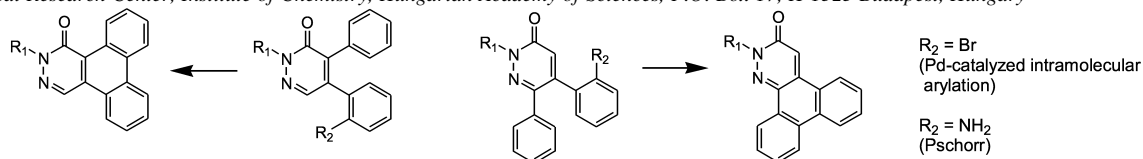
*Tetrahedron* 59 (2003) 5919

Pál Tapolcsányi,<sup>a,b</sup> Bert U. W. Maes,<sup>a,\*</sup> Katrien Monsieurs,<sup>a</sup> Guy L. F. Lemièr,<sup>a</sup> Zsuzsanna Riedl,<sup>c</sup> György Hajós,<sup>c</sup> Bart Van den Driessche,<sup>a</sup> Roger A. Dommissie<sup>a</sup> and Péter Mátyus<sup>b,\*</sup>

<sup>a</sup>*Department of Chemistry, University of Antwerp (RUCA), Groenenborgerlaan 171, B-2020 Antwerpen, Belgium*

<sup>b</sup>*Department of Organic Chemistry, Semmelweis University, Högyes E. u. 7., H-1092 Budapest, Hungary*

<sup>c</sup>*Chemical Research Center, Institute of Chemistry, Hungarian Academy of Sciences, P.O. Box 17, H-1525 Budapest, Hungary*

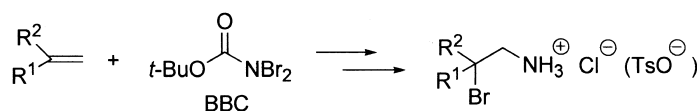


## Regioselective aminobromination of terminal alkenes

*Tetrahedron* 59 (2003) 5927

Anna Śliwińska and Andrzej Zwierzak\*

*Institute of Organic Chemistry, Technical University (Politechnika), Zeromskiego 116, 90-924 Łódź, Poland*



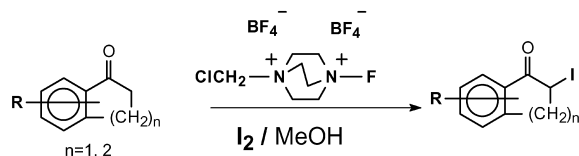
### Direct iodination of indanone and tetralone derivatives by elemental iodine activated by Selectfluor™ F-TEDA-BF<sub>4</sub>

*Tetrahedron 59 (2003) 5935*

Marjan Jereb,<sup>b</sup> Stojan Stavber<sup>a,\*</sup> and Marko Zupan<sup>a,b</sup>

<sup>a</sup>Laboratory for Organic and Bioorganic Chemistry, 'Jožef Stefan' Institute, Jamova 39, 1000 Ljubljana, Slovenia

<sup>b</sup>Department of Chemistry, Faculty of Chemistry and Chemical Technology, University of Ljubljana, Aškerčeva 5, 1000 Ljubljana, Slovenia



### Synthesis of 6H-naphtho[2,3-c]chromene-7,12-diones via palladium-catalyzed intramolecular cyclization of 2-bromo-3-aryloxymethyl-1,4-naphthoquinones

*Tetrahedron 59 (2003) 5941*

Tuyen Nguyen Van and Norbert De Kimpe\*

Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Coupure links 653, B-9000 Ghent, Belgium

