

## Graphical abstracts

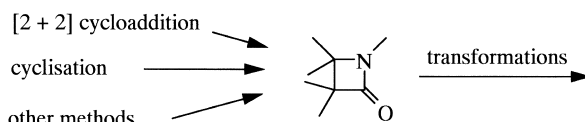
### Recent progress in the synthesis and chemistry of azetidinones

G. S. Singh

Department of Chemistry, University of Botswana, Private Bag 0022, Gaborone, Botswana

The article describes recent progress in studies on synthesis and chemistry of azetidinones.

*Tetrahedron* 59 (2003) 7631

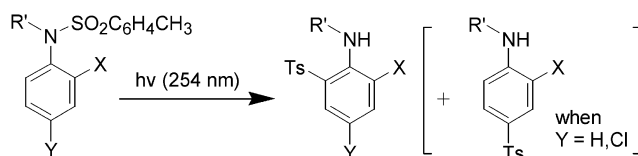


### Photo-Fries rearrangement of *N*-arylsulfonamides to aminoaryl sulfone derivatives

Kwanghee Koh Park,\* Jin Joo Lee and Jaegyung Ryu

Department of Chemistry, Chungnam National University, Yu-Sung-Ku, Taejeon 305-764, South Korea

*Tetrahedron* 59 (2003) 7651

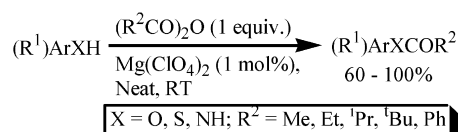


### Electrostatic catalysis by ionic aggregates: scope and limitations of Mg(ClO<sub>4</sub>)<sub>2</sub> as acylation catalyst

Asit K. Chakraborti,\* Lalima Sharma, Rajesh Gulhane and Shivani

Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), Sector 67, S.A.S. Nagar, Punjab, 160 062, India

*Tetrahedron* 59 (2003) 7661

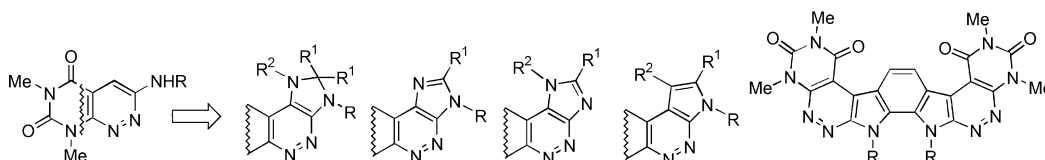


### 6,8-Dimethylpyrimido[4,5-*c*]pyridazine-5,7(6*H*,8*H*)-dione: new heterocyclizations based on S<sub>N</sub><sup>H</sup>-methodology. Unexpected formation of the first iso-π-electronic analogue of the still unknown dibenzo[*a,o*]picycene

Anna V. Gulevskaya,\* Olga V. Serduke, Alexander F. Pozharskii and Denis V. Besedin

Department of Chemistry, Rostov State University, 344090 Rostov-on-Don, Russian Federation

*Tetrahedron* 59 (2003) 7669



**[(Diphenoxyphosphinyl)methylidene]triphenylphosphorane—  
the double P<sup>+</sup>-stabilised carbanion: a crystallographic,  
computational and solution NMR comparative study on the ylidic bonding**

*Tetrahedron 59 (2003) 7681*

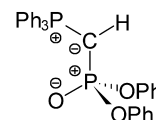
Lilianna Chęcińska,<sup>a</sup> Zbigniew H. Kudzin,<sup>b</sup> Magdalena Małecka,<sup>a</sup> Ryszard B. Nazarski<sup>b,\*</sup> and Andrzej Okruszek<sup>c,d</sup>

<sup>a</sup>Department of Crystallography and Crystallochemistry, Institute of Chemistry, University of Łódź, P.O. Box 376, 90-950 Łódź 1, Poland

<sup>b</sup>Department of Organic Chemistry, Institute of Chemistry, University of Łódź, P.O. Box 376, 90-950 Łódź 1, Poland

<sup>c</sup>Department of Bioorganic Chemistry, Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Sienkiewicza 112, 90-363 Łódź, Poland

<sup>d</sup>Institute of Chemistry and Environmental Protection, Pedagogical University, Waszyngtona 4/8, 42-201 Częstochowa, Poland

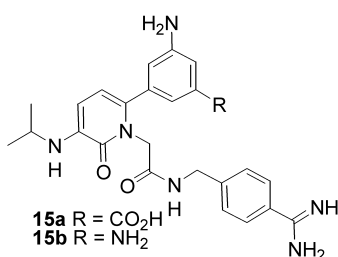


**Synthesis of 2-pyridones as tissue factor VIIa inhibitors**

*Tetrahedron 59 (2003) 7695*

John J. Parlow\* and Michael S. South

Department of Medicinal and Combinatorial Chemistry, Pharmacia Corporation, 800 North Lindbergh-U2D, St. Louis, MO 63167, USA



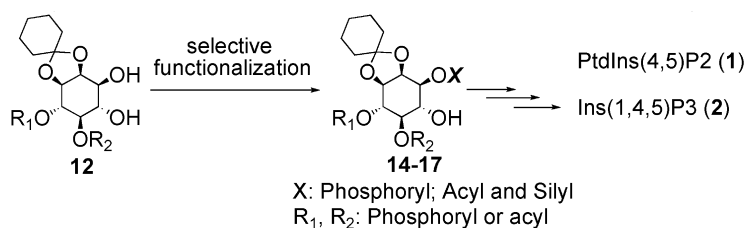
**Regioselective phosphorylation of vicinal 3,4-hydroxy  
*myo*-inositol derivative promoted practical synthesis  
of D-PtdIns(4,5)P2 and D-Ins(1,4,5)P3**

*Tetrahedron 59 (2003) 7703*

Fushe Han,<sup>a</sup> Minoru Hayashi<sup>b</sup> and Yutaka Watanabe<sup>b,\*</sup>

<sup>a</sup>Venture Business Laboratory, Ehime University, Matsuyama 790-8577, Japan

<sup>b</sup>Department of Applied Chemistry, Faculty of Engineering, Ehime University, Matsuyama 790-8577, Japan

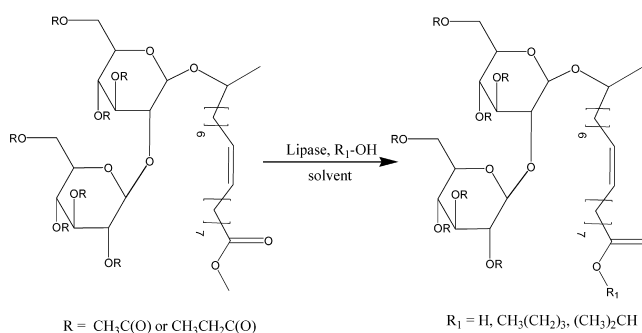


**Enzyme-catalyzed regioselective transesterification of  
peracylated sophorolipids**

*Tetrahedron 59 (2003) 7713*

Jason A. Carr and Kirpal S. Bisht\*

Department of Chemistry, University of South Florida, 4202 East Fowler Avenue, Tampa, FL 33620, USA



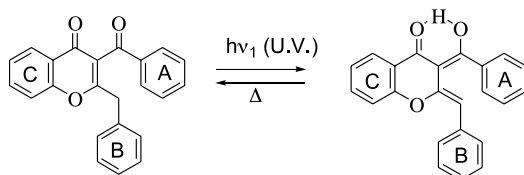
## Reinvestigation of prototropic photochromism: 3-benzoyl-2-benzylchromones

Tetrahedron 59 (2003) 7725

V. Rossollin, V. Lokshin, A. Samat\* and R. Guglielmetti

Faculté des Sciences de Luminy, Université de la Méditerranée, UMR CNRS 6114, Case 901 13288 Marseille Cedex 9, France

The synthesis and the photochromic behaviour of new 3-benzoyl-2-benzylchromones is described.



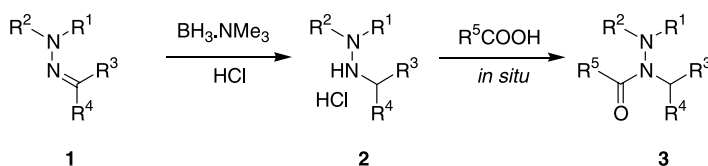
## A new 'one-pot' synthesis of hydrazides by reduction of hydrazones

Tetrahedron 59 (2003) 7733

Dario Perdicchia,<sup>a,\*</sup> Emanuela Licandro,<sup>a,\*</sup> Stefano Maiorana,<sup>a</sup> Clara Baldoli<sup>b</sup> and Clelia Giannini<sup>a</sup>

<sup>a</sup>Dipartimento di Chimica Organica e Industriale, Università degli Studi di Milano and Centro di Eccellenza CISI, Via C. Golgi, 19, I-20133 Milano, Italy

<sup>b</sup>CNR-Istituto di Scienze e Tecnologie Molecolari, Via C. Golgi, 19, I-20133 Milano, Italy



## Chemistry of (+)-aromadendrene. Part 6: Rearrangement reactions of ledene, isoledene and their epoxides

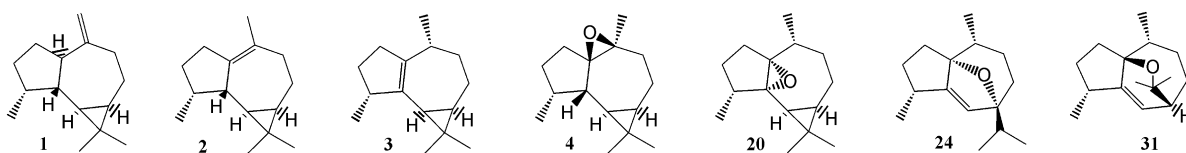
Tetrahedron 59 (2003) 7743

F. Javier Moreno-Dorado,<sup>a,b</sup> Yvonne M. A. W. Lamers,<sup>a</sup> Grigore Mironov,<sup>a,c</sup> Joannes B. P. A. Wijnberg<sup>a</sup> and Aede de Groot<sup>a,\*</sup>

<sup>a</sup>Laboratory of Organic Chemistry, Wageningen University, Dreijenplein 8, 6703 HB Wageningen, The Netherlands

<sup>b</sup>Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, Apartado 40, 11510 Puerto Real, Cádiz, Spain

<sup>c</sup>Institute of Chemistry, Moldovan Academy of Sciences, str. Academia 3, MD-2028 Kishinev, Moldova



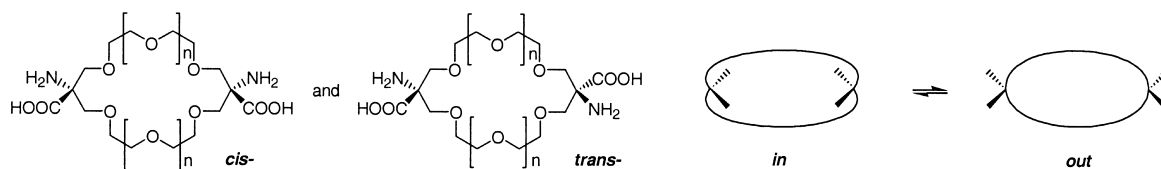
## Macrocyclic *cis*- and *trans*-bis( $\alpha$ -amino acids) and their intraannular Cu(II) complexes. Conformational *in-out* dichotomy and crystal packing

Tetrahedron 59 (2003) 7751

Martin Bělohorský,<sup>a</sup> Miloš Buděšínský,<sup>a</sup> Ivana Císařová,<sup>b</sup> Václav Dekoj,<sup>a</sup> Petr Holý<sup>a,\*</sup> and Jiří Závada<sup>a,\*</sup>

<sup>a</sup>Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Flemingovo nám. 2, 166 10 Prague 6, Czech Republic

<sup>b</sup>Department of Inorganic Chemistry, Charles University, 128 40 Prague, Czech Republic



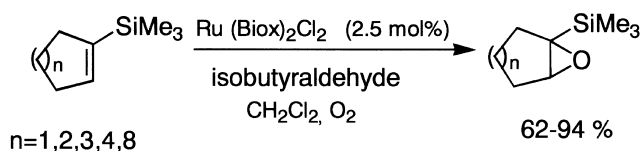
### Catalytic epoxidation of cyclic vinylsilanes by ruthenium(II) complexes under aerobic conditions

*Tetrahedron* 59 (2003) 7761

Abirami Srikanth,<sup>a,b</sup> Gopalpur Nagendrappa<sup>b</sup> and Srinivasan Chandrasekaran<sup>a,\*</sup>

<sup>a</sup>Department of Organic Chemistry, Indian Institute of Science, C. V. Raman Avenue, Bangalore 560012, India

<sup>b</sup>Department of Chemistry, Bangalore University, Central College campus, Bangalore 560001, India

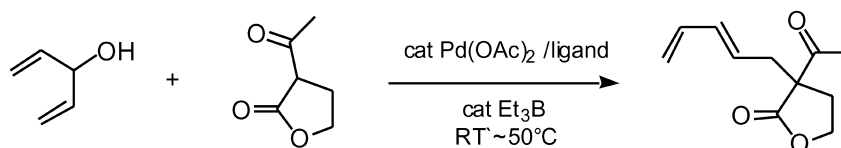


### Triethylborane as an efficient promoter for palladium-catalyzed allylation of active methylene compounds with allyl alcohols

*Tetrahedron* 59 (2003) 7767

Masanari Kimura, Ryutaro Mukai, Naoko Tanigawa, Shuji Tanaka and Yoshinao Tamaru\*

Department of Applied Chemistry, Faculty of Engineering, Nagasaki University, 1-14 Bunkyo, Nagasaki 852-8521, Japan

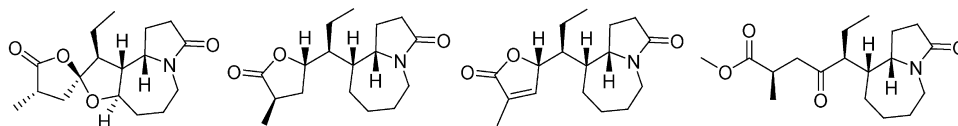


### Structures of new alkaloids sessilifoliamides A–D from *Stemona sessilifolia*

*Tetrahedron* 59 (2003) 7779

Daichi Kakuta, Yukio Hitotsuyanagi, Naofumi Matsuura, Haruhiko Fukaya and Koichi Takeya\*

School of Pharmacy, Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan

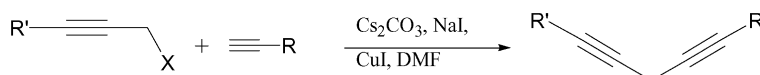


### Cs<sub>2</sub>CO<sub>3</sub> Promoted coupling reactions for the preparation of skipped diynes

*Tetrahedron* 59 (2003) 7787

Tonino Caruso and Aldo Spinella\*

Dipartimento di Chimica, Università di Salerno, Via S. Allende, 84081 Baronissi, SA, Italy



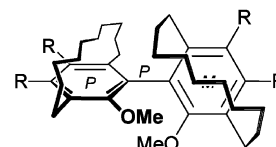
**Bridged bioxepines and bi[10]paracyclophanes—synthesis and absolute configuration of a bi[10]paracyclophane with two chiral planes and one chiral axis**

*Tetrahedron 59 (2003) 7791*

Werner Tochtermann,<sup>a,\*</sup> Dirk Kuckling,<sup>a</sup> Christine Meints,<sup>a</sup> Jürgen Kraus<sup>b</sup> and Gerhard Bringmann<sup>b,\*</sup>

<sup>a</sup>Institut für Organische Chemie, Universität Kiel, Olshausenstraße 40, D-24098 Kiel, Germany

<sup>b</sup>Institut für Organische Chemie, Universität Würzburg, Am Hubland, D-97074 Würzburg, Germany



**(-)-6b** R = CH<sub>2</sub>OH

**High regioselectivity in the heterocyclization of β-oxonitriles to 4-oxothiazolidines: X-ray structure proof**

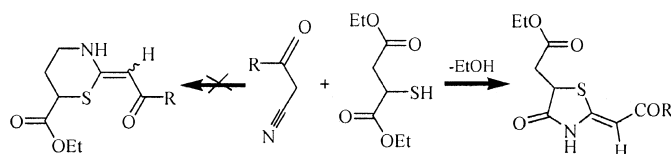
*Tetrahedron 59 (2003) 7803*

Rade Marković,<sup>a,b,\*</sup> Marija Baranac,<sup>a,b</sup> Zdravko Džambaski,<sup>b</sup> Milovan Stojanović<sup>b</sup> and Peter J. Steel<sup>c</sup>

<sup>a</sup>Faculty of Chemistry, University of Belgrade, Studentski trg 16, P.O. Box 158, 11001 Belgrade, Serbia and Montenegro

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<sup>c</sup>Department of Chemistry, University of Canterbury, P.O. Box 4800 Christchurch, New Zealand



- a (R = Ph)
- b (R = NHPh)
- c (R = NHCH<sub>2</sub>CH<sub>2</sub>Ph)
- d (R = OEt)
- e (CN instead of RCO)