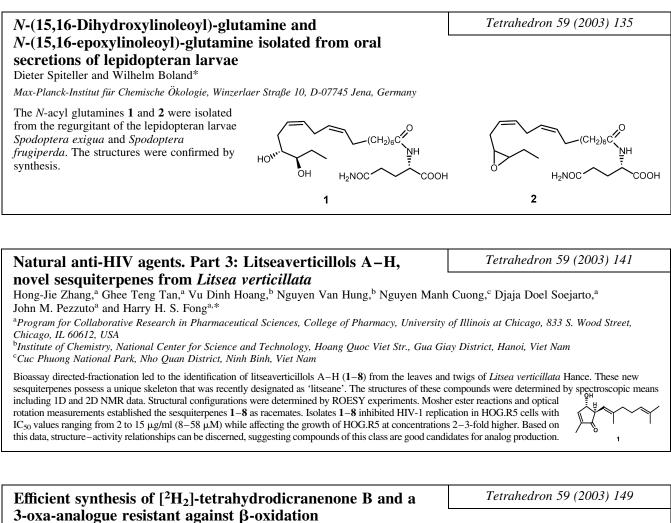
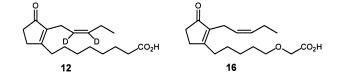
#### **Graphical abstracts**



Ryan Lauchli and Wilhelm Boland\*

Max-Planck-Institut für Chemische Ökologie, Winzerlaer Straße 10, D-07745 Jena, Germany

 $[^{2}H_{2}]$ -Tetrahydrodicranenone B (12) and the 3-oxa-analogue 16 are readily available from 2-substituted cyclopentan-1,3-dione by addition of functionalised organo cuprates to the 3-iodocyclopent-2-enone intermediate 9.



Tetrahedron 59 (2003) 155 Synthesis of glyco-1-ynitols via 1,1-dibromo-1-alkenes from partially and unprotected aldoses Franck Dolhem, Catherine Lièvre\* and Gilles Demailly Laboratoire des Glucides, Université de Picardie Jules Verne, 33 Rue Saint-Leu, F-80039 Amiens, France .Br \_\_\_\_ `Br R : H, protecting group

#### An improved synthesis of rhinocerotinoic acid

Christopher A. Gray, Michael T. Davies-Coleman and Douglas E.A. Rivett\* Department of Chemistry, Rhodes University, Grahamstown 6140, South Africa

The stereoselective synthesis of E-rhinocerotinoic acid (1) has been achieved in five steps from (-)-sclareol in an overall yield of 32%. This constitutes a significant improvement on the previous synthesis of this antiinflammatory compound.

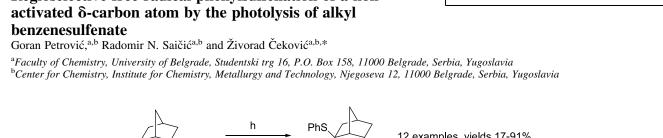
## Tetrahedron 59 (2003) 175 Self-association and self-assembly of molecular clips in solution and in the solid state Joost N. H. Reek,<sup>a</sup> Johannes A. A. W. Elemans,<sup>a,\*</sup> René de Gelder,<sup>b</sup> Paul T. Beurskens,<sup>b</sup> Alan E. Rowan<sup>a,\*</sup> and Roeland J. M. Nolte<sup>a</sup> <sup>a</sup>Department of Organic Chemistry, NSRIM, University of Nijmegen, Toernooiveld, 6525 ED Nijmegen, The Netherlands <sup>b</sup>Crystallography Laboratory, Department of Inorganic Chemistry, NSRIM, University of Nijmegen, The Netherlands

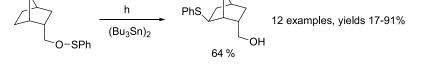
# Regioselective free radical phenylsulfenation of a nonactivated $\delta$ -carbon atom by the photolysis of alkyl

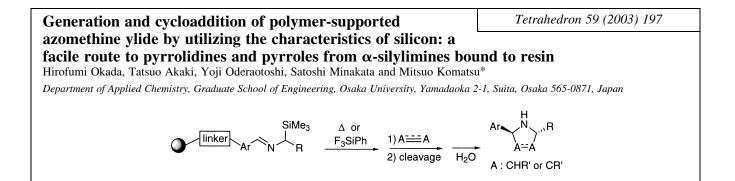
Tetrahedron 59 (2003) 187

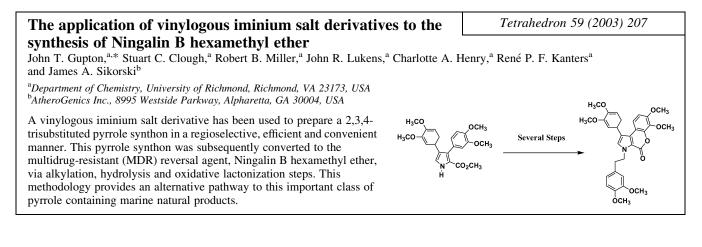
Tetrahedron 59 (2003) 165

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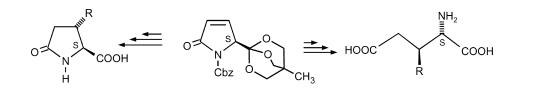


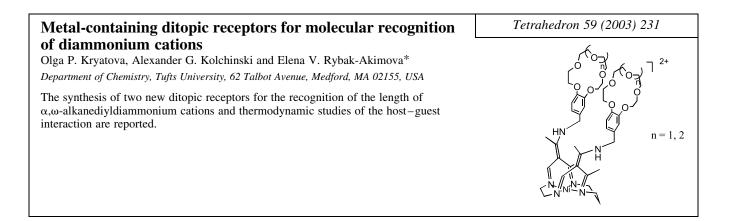
### A stereoselective synthesis of 3-substituted (S)-pyroglutamic and glutamic acids via OBO ester derivatives

Tetrahedron 59 (2003) 217

Claus Herdeis\* and Bernd Kelm

Institut für Pharmazie und Lebensmittelchemie der Universität Würzburg, Am Hubland, 97074 Würzburg, Germany

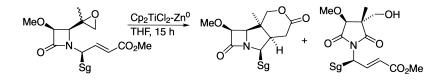


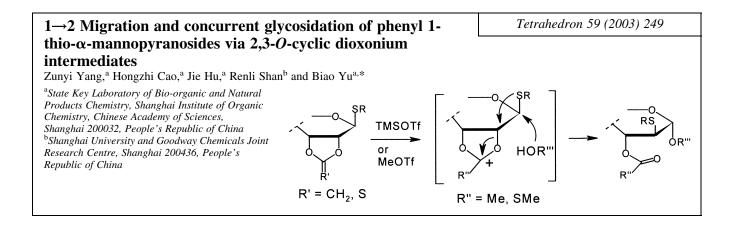


## Cyclization and rearrangement of 4-(2-methyloxiranyl)- $\beta$ lactams promoted by titanocene dichloride/Zn<sup>0</sup>

Tetrahedron 59 (2003) 241

Josefa Anaya, Alfonso Fernández-Mateos, Manuel Grande,\* Justo Martiáñez, Gema Ruano and M<sup>a</sup> Rosa Rubio-González Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad de Salamanca, E-37008 Salamanca, Spain





# Stereospecific stilbene formation from $\beta$ -hydroxy- $\alpha$ , $\beta$ -diphenylethylphosphoranes. Mechanistic proposals based upon stereochemistry

Tetrahedron 59 (2003) 255

Satoshi Kojima, Kazuhiro Kawaguchi, Shiro Matsukawa and Kin-ya Akiba\*

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