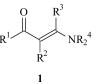
Graphical abstracts

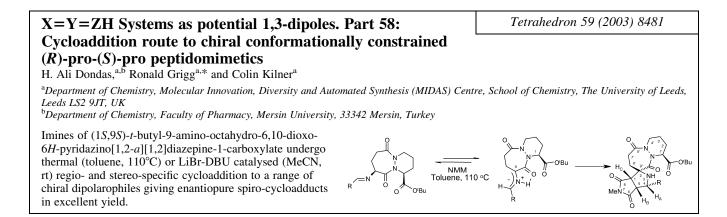
Recent developments in the chemistry of enaminones

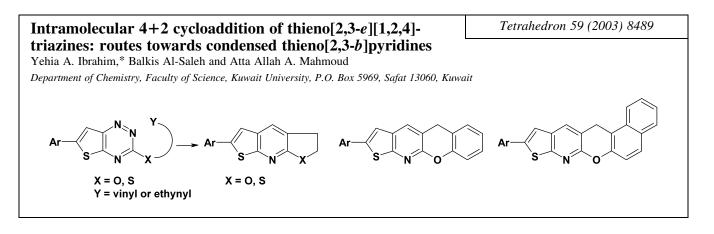
Abdel-Zaher A. Elassar^{a,*} and Adel A. El-Khair^b

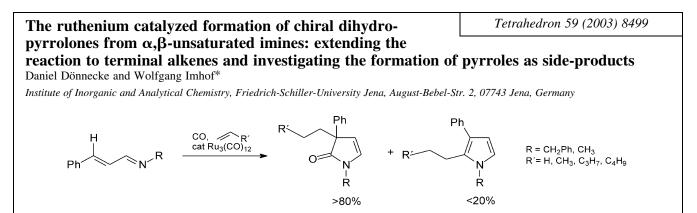
^aDepartment of Chemistry, Faculty of Science, Helwan University, Ain Helwan, Cairo, Egypt ^bEl-Nasr Pharmaceutical Co., Abou Zaabal, Cairo, Egypt

This report includes synthetic approaches to enaminones 1 through different methods. The chemical reactivity toward electrophilic and nucleophilic reagents is reported. Photochemical, pericylic, dipolar cycloaddition, reduction and oxidation reactions are also included. It includes 126 references.

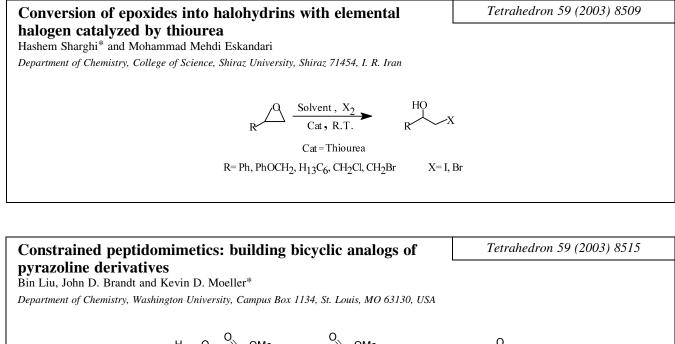


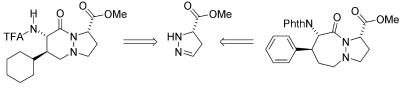






Tetrahedron 59 (2003) 8463

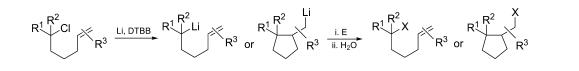




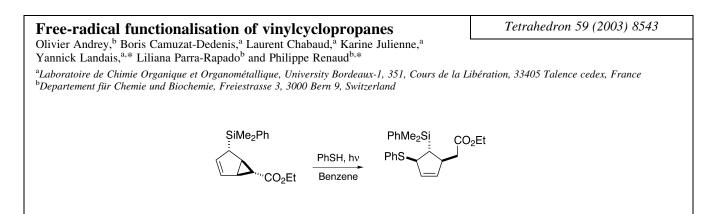
Intramolecular carbolithiation promoted by a DTBBcatalysed chlorine–lithium exchange

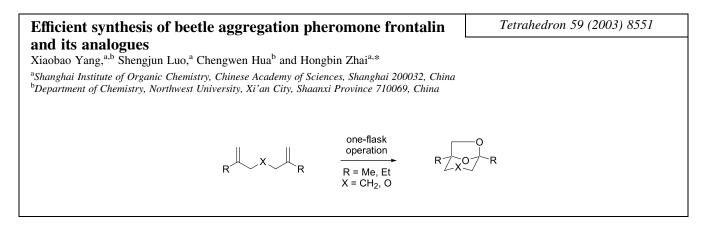
Miguel Yus* Rosa Ortiz and Fernando F. Huerta

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain



Tetrahedron 59 (2003) 8525



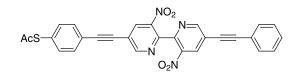


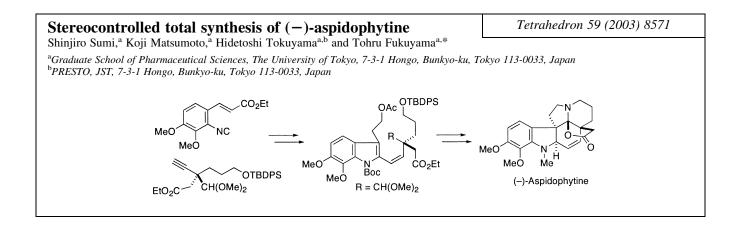
Synthesis and testing of new end-functionalized oligomers for molecular electronics

Tetrahedron 59 (2003) 8555

Austen K. Flatt,^a Shawn M. Dirk,^a Jay C. Henderson,^a Dwanleen E. Shen,^a Jie Su,^b Mark A. Reed^{b,*} and James M. Tour^{a,*} ^aDepartment of Chemistry and Center for Nanoscale Science and Technology, Rice University, 6100 Main Street, MS-222, Houston, TX 77005, USA ^bDepartments of Electrical Engineering, Applied Physics, and Physics, Yale University, P.O. Box 208284, New Haven, CT 06520, USA

The synthesis and testing of a resetable molecular switch is described.





Total synthesis of (±)-tangutorine and chiral HPLC separation of enantiomers

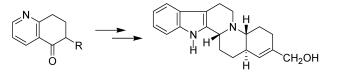
Tetrahedron 59 (2003) 8589

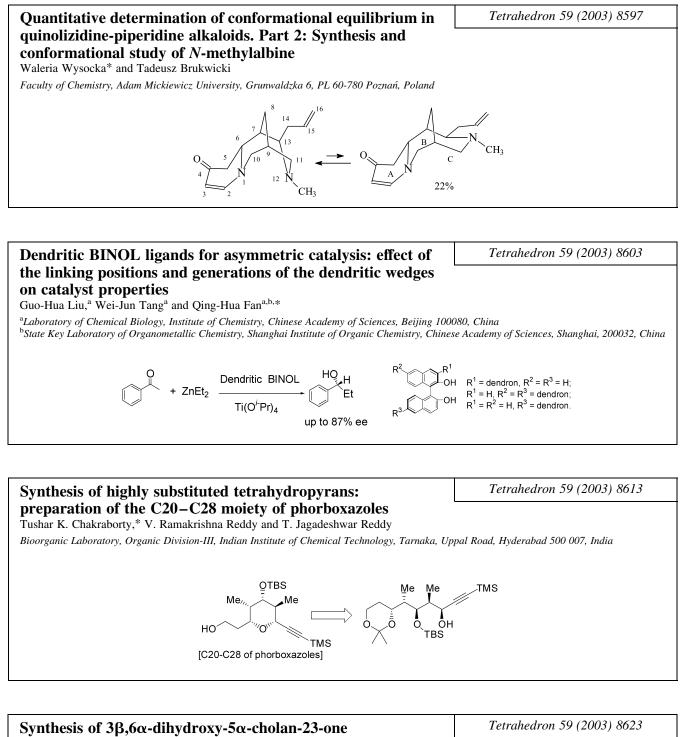
Tiina Putkonen,^a Arto Tolvanen,^b Reija Jokela,^{a,*} Salvatore Caccamese^c and Nunziatina Parrinello^c

^aLaboratory of Organic Chemistry, Helsinki University of Technology, P.O. Box 6100, FIN-02015 HUT-Espoo, Finland

^bOrion Corporation, Orion Pharma., P.O. Box 65, FIN-02101 Espoo, Finland

^cDipartimento di Scienze Chimiche, Università di Catania, viale A. Doria 6, 95125 Catania, Italy





Lutfun Nahar* and Alan B. Turner

Japp Laboratory, Department of Chemistry, University of Aberdeen, Meston Walk, Aberdeen AB24 3UE, Scotland, UK

Evidence for the presence of $3\beta_{,6\alpha}$ -dihydroxy- 5α -chol-9(11)-en-23-one in the aglycone mixture from the starfish *Marthasterias glacialis* is provided by the synthesis of $3\beta_{,6\alpha}$ -dihydroxy- 5α -cholan-23-one

(19) and its identification in the hydrogenated aglycone mixture. The sidechain is constructed from the 23,24-dinorcholanol (13) by reaction of the 22-tosylate (16) with the acetylide anion, followed by hydration of the resulting 23-yne (17).

