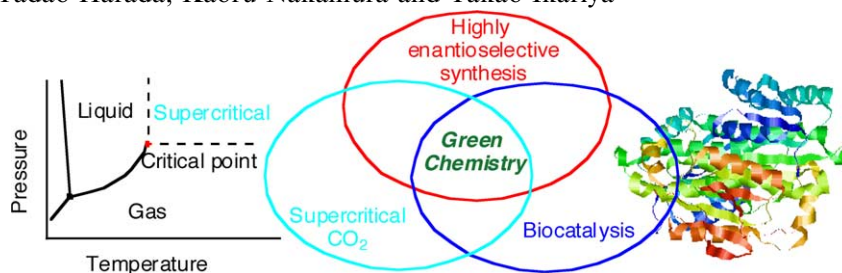


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REPORT

Asymmetric synthesis using hydrolytic enzymes in supercritical carbon dioxide  
Tomoko Matsuda,\* Tadao Harada, Kaoru Nakamura and Takao Ikariya

pp 909–915

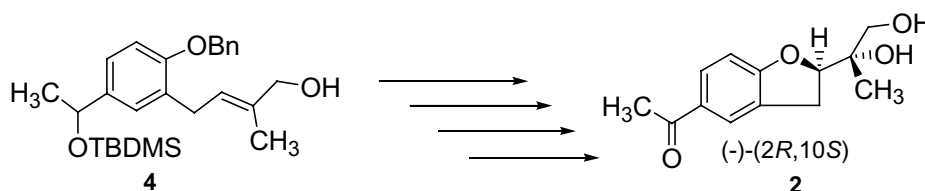


The use of hydrolytic enzymes in  $scCO_2$  is an attractive approach to asymmetric synthesis, and several examples are reviewed here.

COMMUNICATIONS

First stereoselective total synthesis of (-)-(2*R*,10*S*)-megapodiol  
Ramadas Sathunuru\* and Jean-Charles Quirion

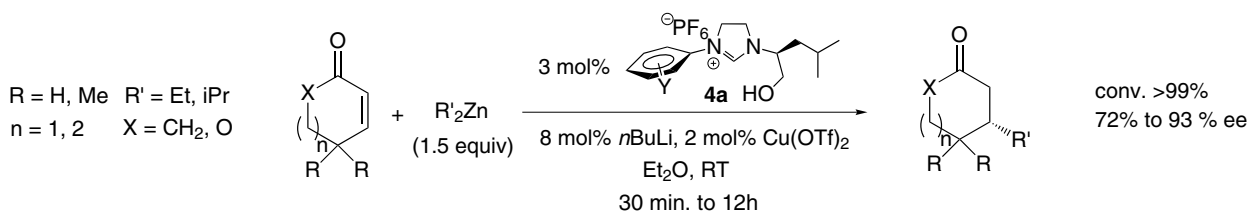
pp 917–919



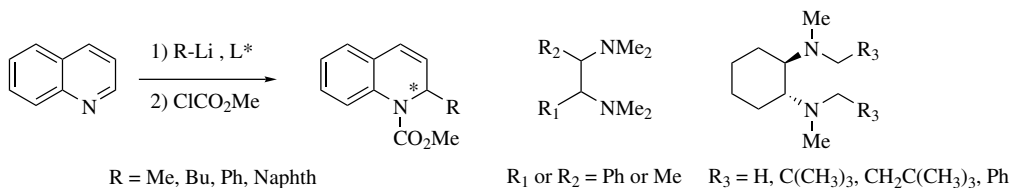
New bidentate alkoxy-NHC ligands for enantioselective copper-catalysed conjugate addition

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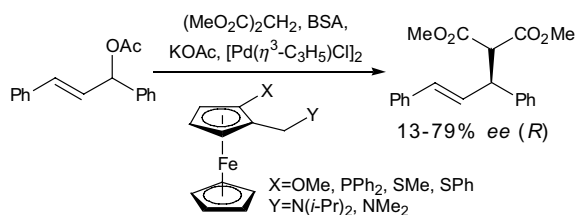
Hervé Clavier, Ludovic Coutable, Jean-Claude Guillemin and Marc Mauduit\*



Laure Cointeaux and Alexandre Alexakis\*



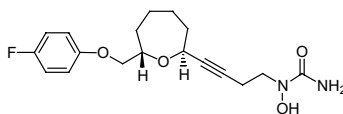
James C. Anderson\* and James Osborne



## ARTICLES

**Stereoselective synthesis of (2*S*,7*S*)-7-(4-phenoxyethyl)-2-(1-*N*-hydroxyureidyl-3-butyn-4-yl)oxepane: a potential anti-asthmatic drug candidate**

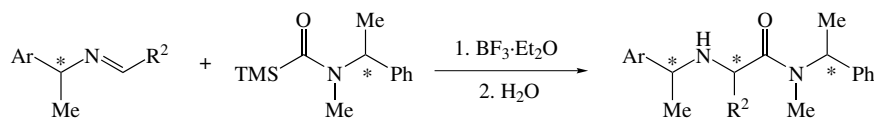
Mukund K. Gurjar, B. Venkateswara Rao, L. Murali Krishna, Mukund S. Chorghade\* and Steven V. Ley



Derived substrates has been reported.

**Diastereoselective formation of α-aminoamides from carbamoylsilanes and aldehyde imines**

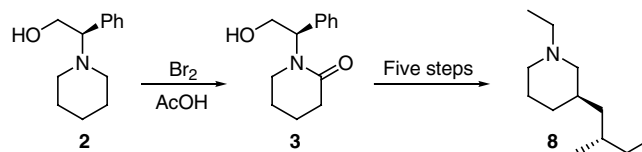
Jianxin Chen, Rajesh K. Pandey and Robert F. Cunico\*



Efficient preparation of (1'R)-(-)-1-(2'-hydroxy-1'-phenylethyl)piperidin-2-one:  
synthesis of (2'S,3R)-(+)-stenusine

pp 949–952

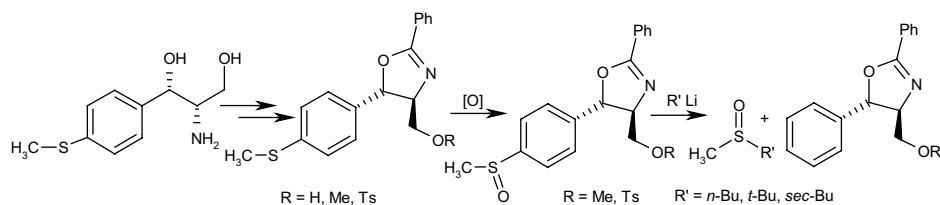
Alejandro Castro-C., Jorge Juárez-P.,\* Dino Gnecco, Joel L. Terán, Alberto Galindo,  
Sylvain Bernès and Raúl G. Enríquez



S-Oxidation products of (+)-thiomcamine-derived oxazolines—promising substrates in the synthesis  
of alkyl methyl sulfoxides

pp 953–958

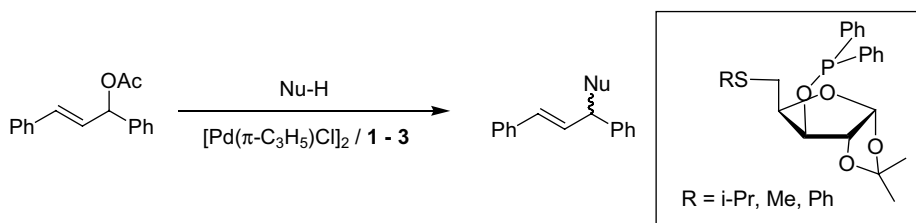
Danuta Brózda, Agata Głuszyńska, Agnieszka Kościółowicz and Maria D. Rozwadowska\*



Furanoside thioether–phosphinite ligands for Pd-catalyzed asymmetric allylic substitution reactions

pp 959–963

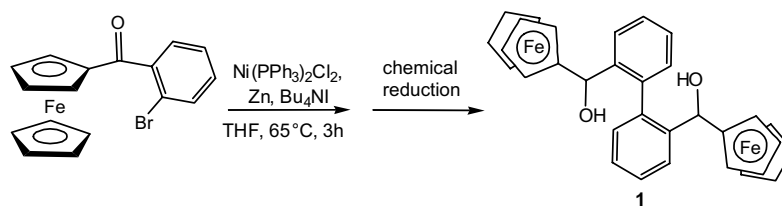
Eugeni Guimet, Montserrat Diéguez,\* Aurora Ruiz and Carmen Claver



Synthesis and atropisomeric stability of 2,2'-bis(ferrocenylhydroxymethyl)-1,1'-biphenyl

pp 965–970

Angela Patti\* and Sonia Pedotti



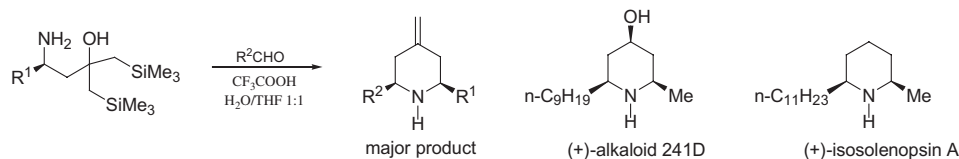
Diol **1** was obtained in three diastereoisomeric forms, depending on the different combinations of central and axial chirality, with sufficient atropisomeric stability to allow their detection and separation.



**A new asymmetric synthesis of 2,6-*cis*-disubstituted 4-methylenepiperidines:  
total synthesis of (+)-alkaloid 241D and (+)-isosolenopsin A**

pp 1025–1034

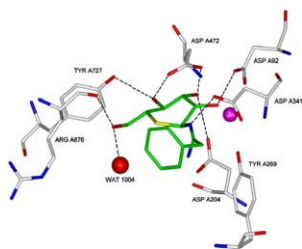
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**5-Thio-D-glycopyranosylamines and their amidinium salts as potential transition-state mimics  
of glycosyl hydrolases: synthesis, enzyme inhibitory activities, X-ray crystallography,  
and molecular modeling**

pp 1035–1046

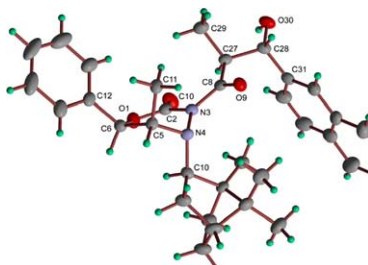
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**Synthesis, X-ray crystallography and computational studies concerning an oxadiazinone derived  
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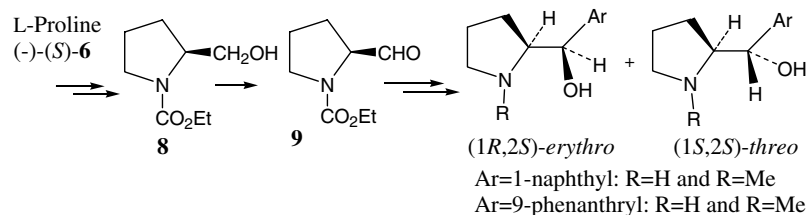
Michael D. Squire, Ryan A. Davis, Karah A. Chianakas, Gregory M. Ferrence,\*  
Jean M. Standard\* and Shawn R. Hitchcock\*



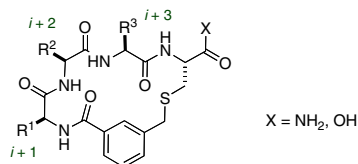
**Enantiopure *erythro*- and *threo*-1-aryl-1-[2-pyrrolidyl]-methanols: synthesis from L-proline**

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Arlette Solladié-Cavallo,\* Khalid Azyat, Michel Schmitt and Richard Welter

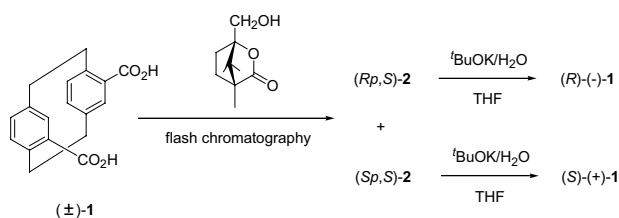


Samuel J. Reyes and Kevin Burgess\*



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\*Corresponding author



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