

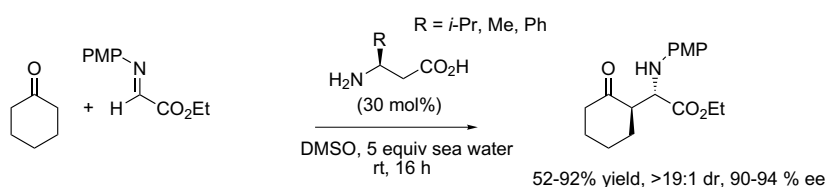
Contents

COMMUNICATIONS

Acyclic  $\beta$ -amino acid catalyzed asymmetric *anti*-selective Mannich-type reactions

pp 1033–1037

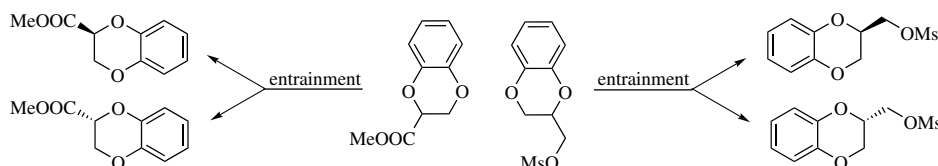
Pawel Dziejczak and Armando Córdoba\*



Resolution of 2-substituted 1,4-benzodioxanes by entrainment

pp 1038–1041

Cristiano Bolchi,\* Marco Pallavicini, Laura Fumagalli, Chiara Rusconi, Matteo Binda and Ermanno Valoti

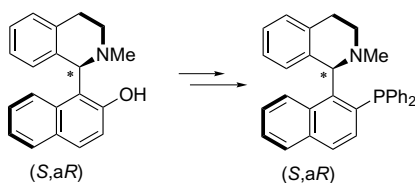


ARTICLES

Synthesis of a new chiral amino phosphine ligand and its application in the asymmetric allylic alkylation (AAA) reaction

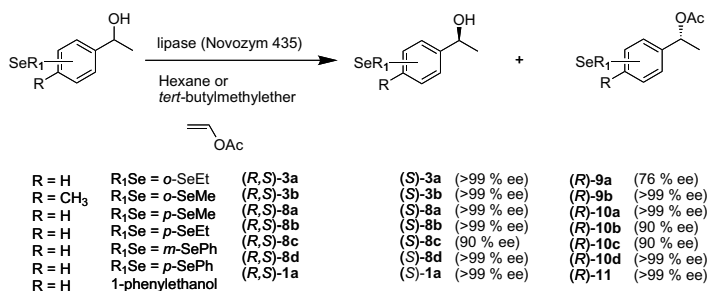
pp 1043–1047

Jianqing Feng, D. Scott Bohle and Chao-Jun Li\*



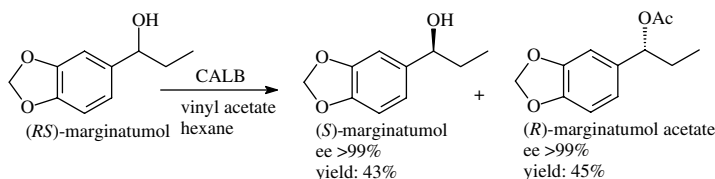
**Enantiomerically pure organoseleno-1-arylethanols by enzymatic resolution with *Candida antarctica* lipase: pp 1048–1053**  
**Novozym 435**

Álvaro T. Omori, Leonardo F. Assis, Leandro H. Andrade, João V. Comasseto and André L. M. Porto\*



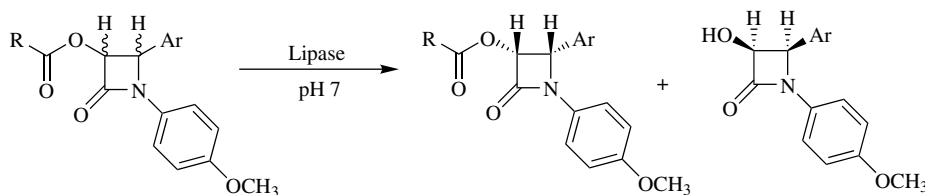
**Chemical constituents from *Piper marginatum* Jacq. (Piperaceae)—antifungal activities and kinetic resolution of (*RS*)-marginatumol by *Candida antarctica* lipase (Novozym 435) pp 1054–1058**

Juliana B. Reigada, Celize. M. Tcacenco, Leandro H. Andrade, Massuo J. Kato, André L. M. Porto and João Henrique G. Lago\*



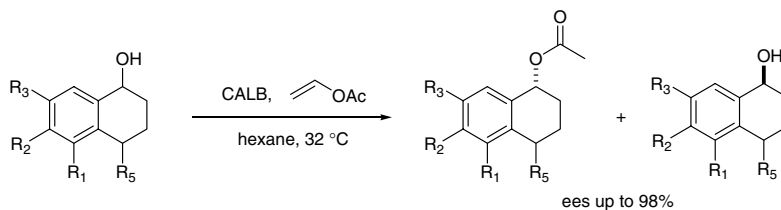
***Arthrobacter* sp.: a lipase of choice for the kinetic resolution of racemic arylazetidinone precursors of taxanoid side chains pp 1059–1069**

Naveen Anand, Munish Kapoor, Khursheed Ahmad, Surrinder Koul, Rajinder Parshad, Kuldip S. Manhas, Rattan L. Sharma, Ghulam N. Qazi and Subhash C. Taneja\*



**Enzymatic resolution of  $\alpha$ -tetralols by CALB-catalyzed acetylation pp 1070–1076**

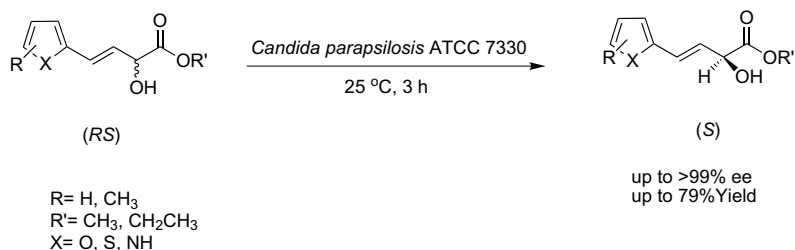
Helena M. C. Ferraz,\* Graziela G. Bianco, Carla C. Teixeira, Leandro H. Andrade and André L. M. Porto



Preparation of enantiomerically pure (3*E*)-alkyl-4-(hetero-2-yl)-2-hydroxybut-3-enoates by *Candida parapsilosis* ATCC 7330 mediated deracemisation and determination of the absolute configuration of (3*E*)-ethyl-4-(thiophene-2-yl)-2-hydroxybut-3-enoate

pp 1077–1084

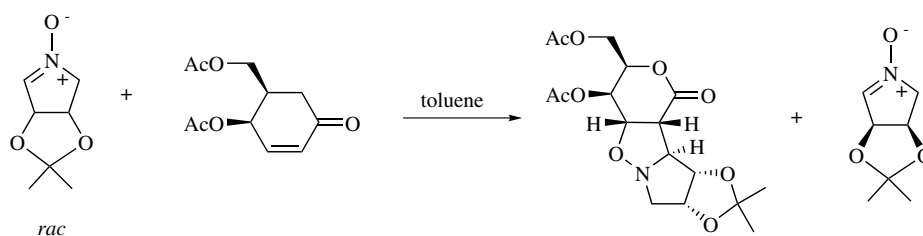
T. Vaijayanthi and Anju Chadha\*



Kinetic and thermodynamic aspects in the 1,3-dipolar cycloaddition of five-membered cyclic nitrones to  $\alpha,\beta$ -unsaturated  $\gamma$ - and  $\delta$ -lactones

pp 1085–1093

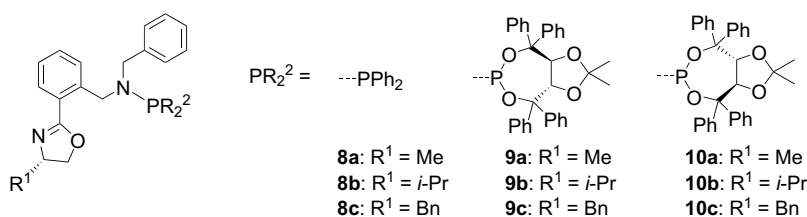
Sebastian Stecko, Konrad Pańniczek, Margarita Jurczak, Zofia Urbańczyk-Lipkowska and Marek Chmielewski\*



Aminophosphine-oxazoline and phosphoramidite-oxazoline ligands and their application in asymmetric catalysis

pp 1094–1102

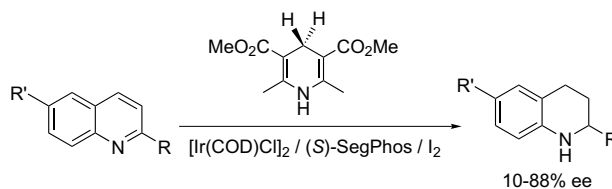
Raymond P. J. Bronger and Patrick J. Guiry\*



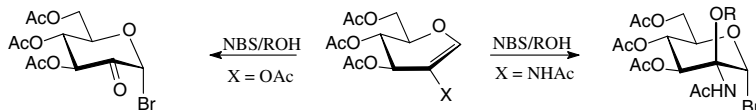
Iridium-catalyzed asymmetric transfer hydrogenation of quinolines with Hantzsch esters

pp 1103–1107

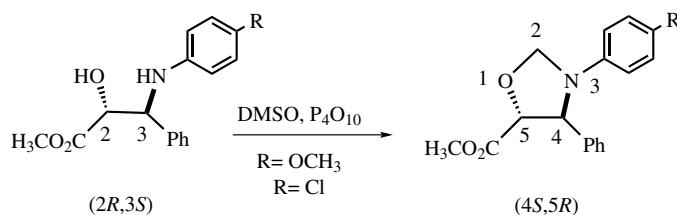
Da-Wei Wang, Wei Zeng and Yong-Gui Zhou\*



**On the alkoxybromination of glucal esters: 2-acetamido- $\alpha$ -D-mannosyl bromides from 2-acetamidoglucal** pp 1108–1114  
Achim Benz, Stefan Immel and Frieder W. Lichtenthaler\*

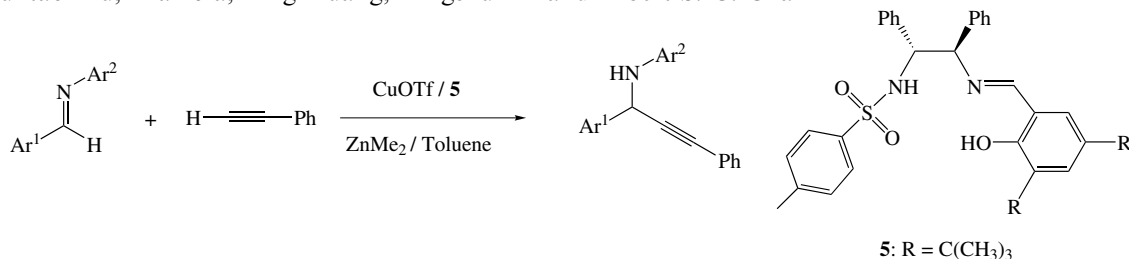


**Synthesis of oxazolidines using DMSO/ $P_4O_{10}$  as a formaldehyde equivalent** pp 1115–1123  
Jianmei Wang, Fernande D. Rochon, Yan Yang, Ling Hua and Margaret M. Kayser\*



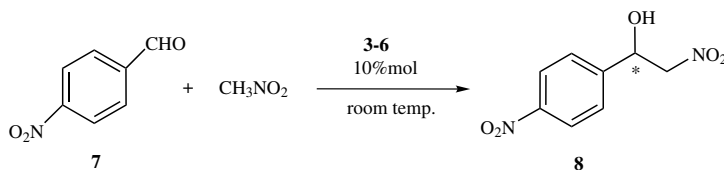
**The synthesis of chiral *N*-tosylatedaminoimine ligands and their application in enantioselective addition of phenylacetylene to imines** pp 1124–1128

Bao Liu, Juntao Liu, Xian Jia, Ling Huang, Xingshu Li\* and Albert S. C. Chan\*



New chiral tridentate *N*-tosylatedaminoimine ligands were synthesized and were used in the Cu(I)-catalyzed enantioselective addition of alkynes to imines. Good enantioselectivities (up to 91% ee) were obtained.

**Synthesis of novel chiral Schiff-base ligands and their application in asymmetric nitro aldol (Henry) reaction** pp 1129–1133  
Mehmet Çolak, Tarık Aral, Halil Hoşgören and Nadir Demirel\*

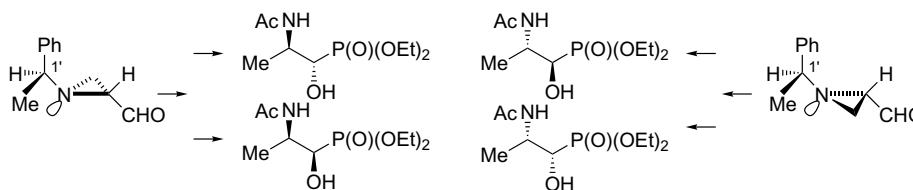


---

**Synthesis of four enantiomers of 2-acetamido-1-hydroxypropylphosphonates**

pp 1134–1141

Andrzej E. Wróblewski\* and Joanna Drozd

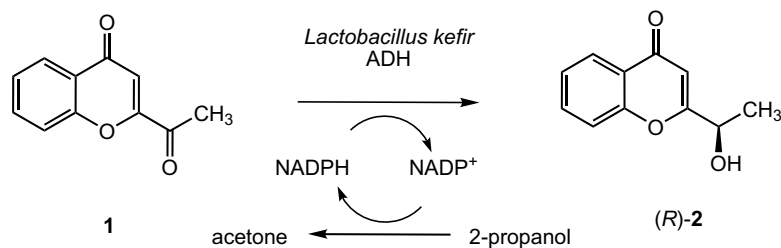


---

**Stereochemical clarification of the enzyme-catalysed reduction of 2-acetylchromen-4-one**

pp 1142–1144

Philippe Bisel, Lydia Walter, Martin Nieger, Werner Hummel and Michael Müller\*

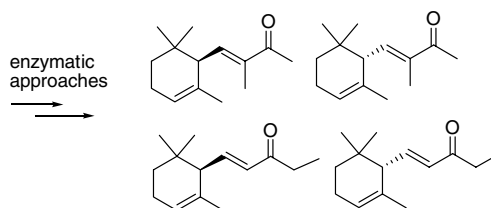


---

**The enantiomers of *Iralia*<sup>®</sup>: preparation and odour evaluation**

pp 1145–1153

Agnese Abate, Elisabetta Brenna,\* Claudio Fuganti, Luciana Malpezzi and Stefano Serra



## OTHER CONTENTS

Stereochemistry abstracts  
Cumulative author index

pp A175–A196  
pp I–III

\*Corresponding author

---

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)



---

Indexed/Abstracted in: Beilstein, BIOSIS Previews, Chemical Abstracts, Current Contents: Physical, Chemical and Earth Sciences, Derwent Biotechnology Abstracts, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

---



ELSEVIER

ISSN 0957-4166