

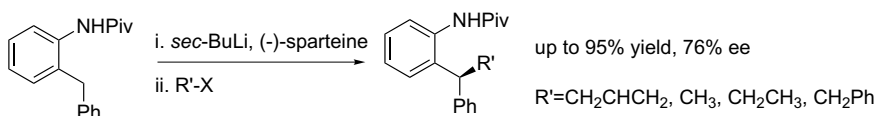
Contents

COMMUNICATIONS

Asymmetric alkylation of *N*-pivaloyl-*o*-benzylaniline

pp 3011–3013

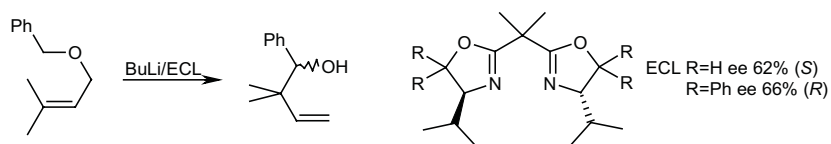
James A. Wilkinson,* Steven B. Rossington, Sylvie Ducki, John Leonard and Nigel Hussain



Enantiocontrol in the [2,3]-Wittig rearrangement

pp 3015–3017

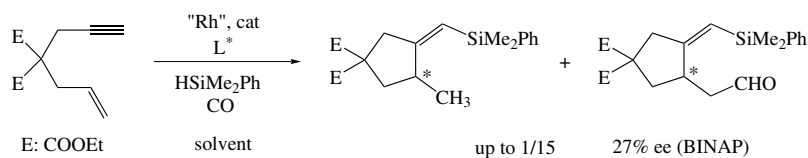
Irene M. Barrett and Simon W. Breeden*



Catalytic asymmetric carbonylative silylcarbocyclization of enynes

pp 3019–3022

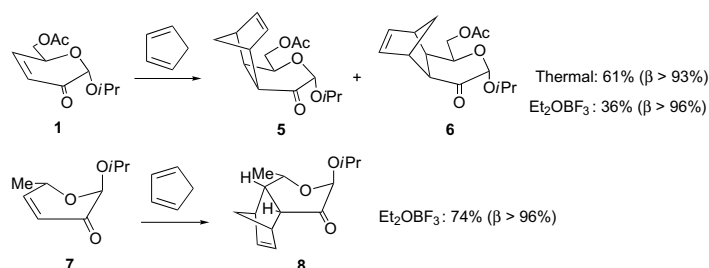
Eddy Maerten, Hélène Delerue, Mathieu Queste, Audrey Nowicki, Isabelle Suisse* and Francine Agbossou-Niedercorn*



Enantiomerically pure Diels–Alder cycloadducts from aldohexose-derived dihydropyranones

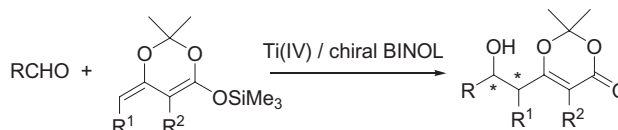
pp 3023–3028

Christian A. Iriarte Capaccio and Oscar Varela*

Enantioselective aldol condensation of *O*-silyldienolates derived from alkyl-substituted 2,2-dimethyl-[1,3]-dioxin-4-ones

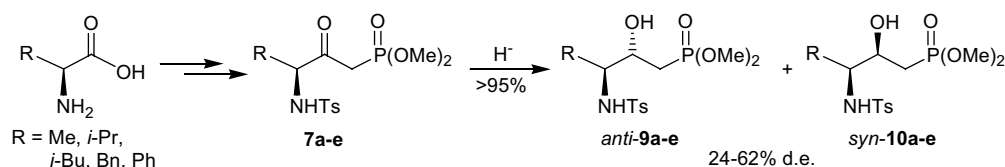
pp 3029–3033

Margherita De Rosa, Maria R. Acocella, Michele F. Rega and Arrigo Scettri*

Diastereoselective reduction of dimethyl γ -[(*N*-*p*-toluenesulfonyl)amino]- β -ketophosphonates derived from amino acids

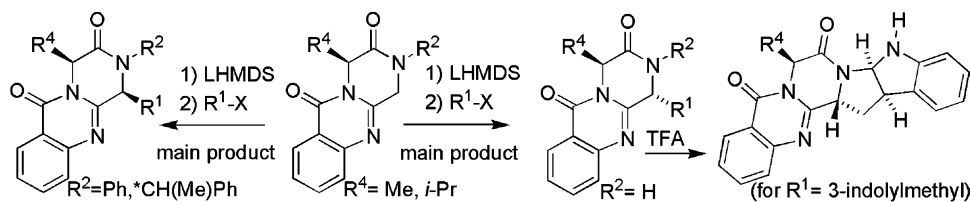
pp 3035–3043

Mario Ordóñez,* Ricardo De la Cruz-Cordero, Mario Fernández-Zertuche, Miguel Angel Muñoz-Hernández and Oscar García-Barradas

Influence of *N*(2)-substitution in the alkylation of (4*S*)-alkyl-2,4-dihydro-1*H*-pyrazino[2,1-*b*]quinazoline-3,6-diones

pp 3045–3058

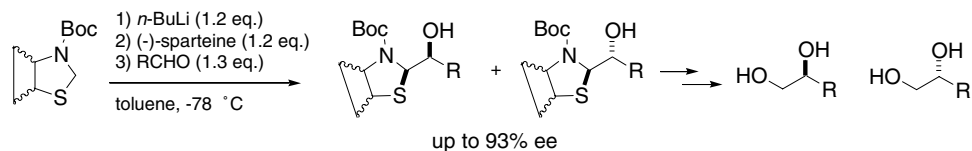
Fernando Hernández, Viviana Morales, Félix L. Buenadicha, Mónica Söllhuber* and Carmen Avendaño*



Enantioselective reaction of α -lithiated thiazolidines as new chiral formyl anion equivalents

pp 3059–3072

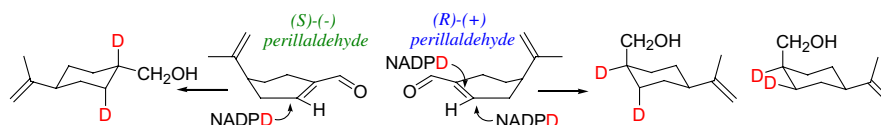
Libo Wang, Shuichi Nakamura, Yuji Ito and Takeshi Toru*



Stereochemical aspects of the bioreduction of the conjugated double bond of perillaldehyde

pp 3073–3077

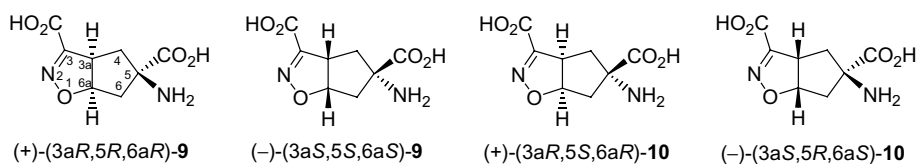
Giovanni Fronza, Claudio Fuganti, Matteo Pinciroli and Stefano Serra*



Enantiopure stereoisomeric homologues of glutamic acid: chemoenzymatic synthesis and assignment of their absolute configurations

pp 3079–3090

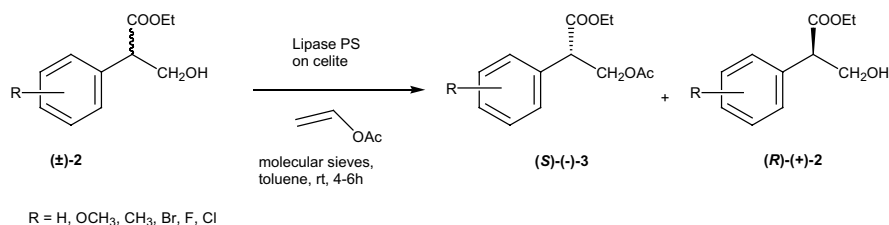
Gabriella Roda, Paola Conti, Marco De Amici,* Jiangtao He, Prasad L. Polavarapu* and Carlo De Micheli



Kinetic resolution of tropic acid ethyl ester and its derivatives by lipase PS

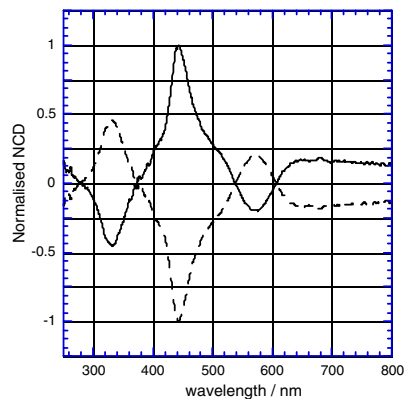
pp 3091–3101

Mary Rose Atuu, Syed J. Mahmood, Frank Laib and M. Mahmun Hossain*



Chiral matrix effect of optically active oxalate-based networks: controlled helical conformation of an organic chromophore

Michel Gruselle,* Bernard Malézieux, Sophie Bénard, Cyrille Train, Carine Guyard-Duhayon, Patrick Gredin, Kaia Tonsuaadu and René Clément

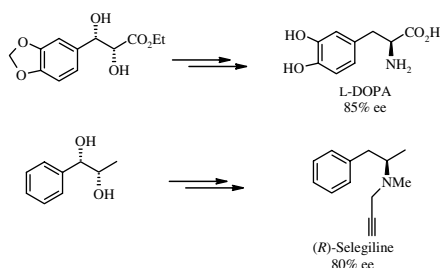


pp 3103–3109

Asymmetric synthesis of L-DOPA and (R)-selegiline via, OsO₄-catalyzed asymmetric dihydroxylation

pp 3111–3116

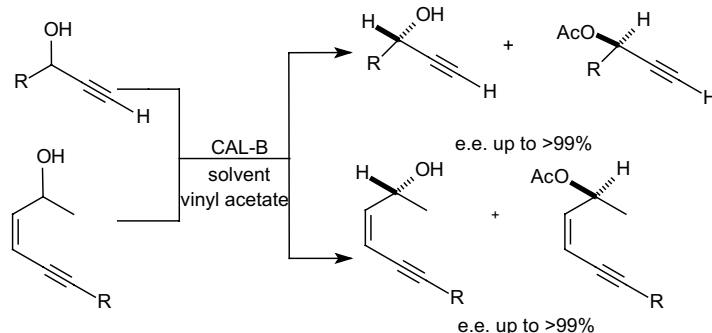
Iliyas Ali Sayyed and Arumugam Sudalai*



Kinetic resolution of propargylic and allylic alcohols by *Candida antarctica* lipase (Novozyme 435)

pp 3117–3122

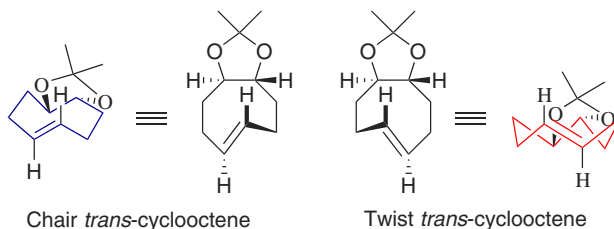
Cristiano Raminelli, João V. Comasseto, Leandro H. Andrade and André L. M. Porto*



An asymmetric synthesis of enantiopure chair and twist *trans*-cyclooctene isomers

pp 3123–3129

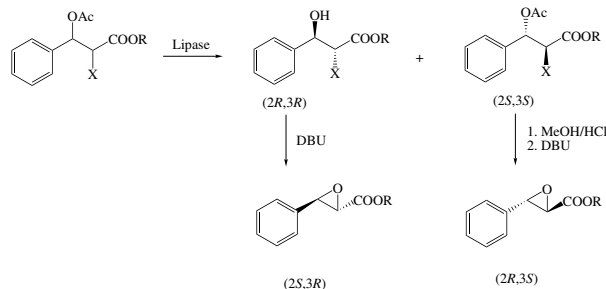
D. Christopher Braddock,* Gemma Cansell, Stephen A. Hermitage and Andrew J. P. White



Chemoenzymatic approach to optically active phenylglycidates: resolution of bromo- and iodohydrins

pp 3131–3138

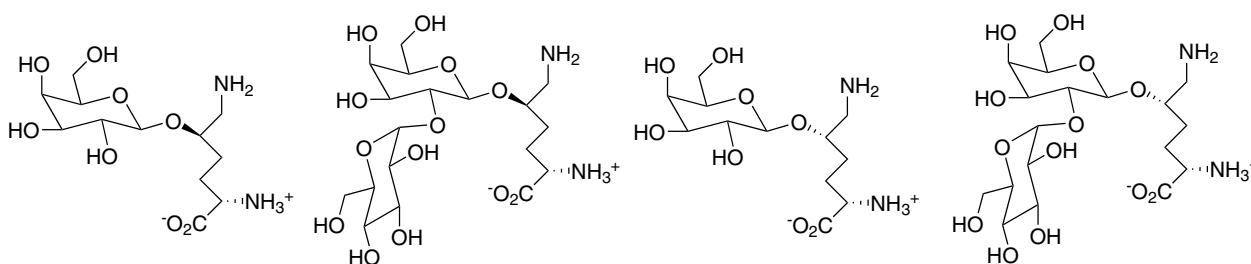
Naveen Anand, Munish Kapoor, Surrinder Koul, Subhash C. Taneja,* Rattan L. Sharma and Ghulam N. Qazi



Hydroxylysine containing glycoconjugates: an efficient synthesis of natural galactosylhydroxylysine (Gal-Hyl) and glucosylgalactosylhydroxylysine (Glu-Gal-Hyl) and of their (5S)-epimers

pp 3139–3148

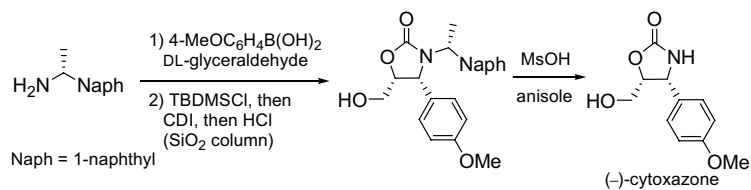
Pietro Allevi,* Rita Paroni, Andrea Ragusa and Mario Anastasia



Short synthesis of both enantiomers of cytotoxazone using the Petasis reaction

pp 3149–3153

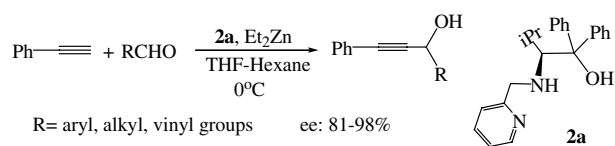
Shigeo Sugiyama,* Satoshi Arai and Keitaro Ishii*



The use of bifunctional catalyst systems in the asymmetric addition of alkynylzinc to aldehydes

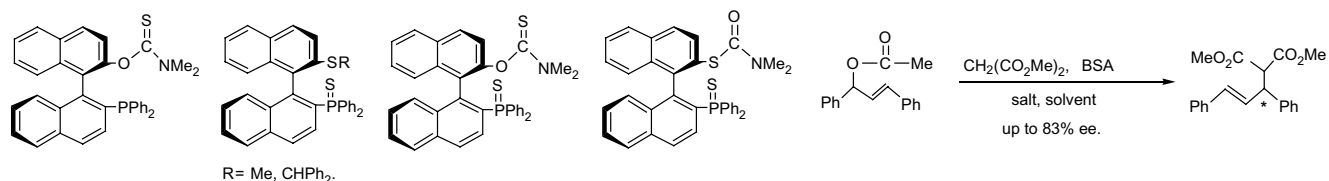
pp 3155–3159

Yong-Feng Kang, Lei Liu, Rui Wang,* Wen-Jin Yan and Yi-Feng Zhou



Palladium-catalyzed asymmetric allylic substitutions by axially chiral P,S-, S,S-, and S,O-heterodonor ligands with a binaphthalene framework pp 3161–3169

Wen Zhang, Qin Xu and Min Shi*



Axially chiral P,S-heterodonor ligand **L1** is quite effective in the asymmetric allylic substitution of 1,3-diphenylpropenyl acetate with dimethyl malonate. Its bidentate coordination pattern to Pd metal center with both P and S atoms has been unambiguously established by X-ray diffraction and NMR spectroscopic analyses.

OTHER CONTENTS

Stereochemistry abstracts
Instructions to contributors
Cumulative author index

pp A531–A568
pp I–IV
pp V–XII

*Corresponding author



Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

CONTENTS
Direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.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



ISSN 0957-4166