

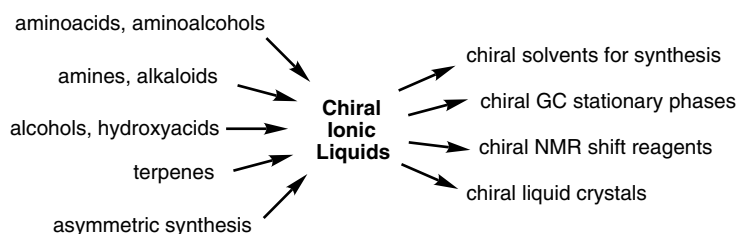
Contents

REPORT

Chiral ionic liquids, a renewal for the chemistry of chiral solvents? Design, synthesis and applications for chiral recognition and asymmetric synthesis

pp 3921–3945

Christine Baudequin, Delphine Brégeon, Jocelyne Levillain, Frédéric Guillen, Jean-Christophe Plaquevent* and Annie-Claude Gaumont*

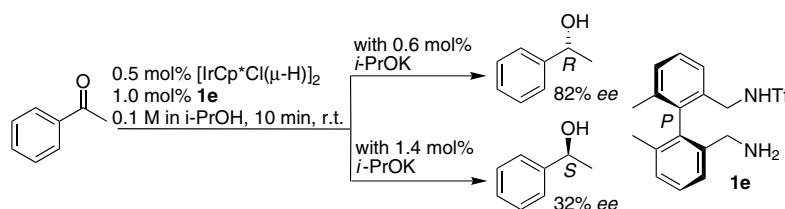


COMMUNICATIONS

Unusual base dependent enantioselectivity in a transfer hydrogenation using axially chiral Ir(III)-catalysts

pp 3947–3950

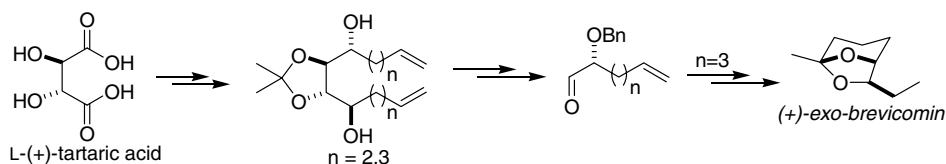
Markus Furegati* and Andreas J. Rippert



Asymmetric synthesis of unsaturated α -benzyloxyaldehydes: an enantioselective synthesis of (+)-*exo*-brevicommin

pp 3951–3953

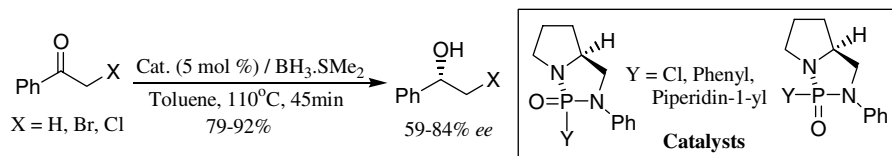
Kavirayani R. Prasad* and Pazhamalai Anbarasan



A study toward understanding the role of a phosphorus stereogenic center in (5*S*)-1,3-diaza-2-phospha-2-oxo-3-phenylbicyclo(3.3.0)octane derivatives as catalysts in the borane-mediated asymmetric reduction of prochiral ketones

pp 3955–3962

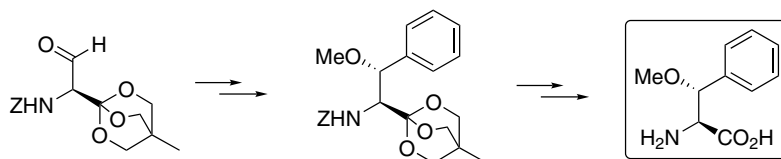
Deevi Basavaiah,* Vanampally Chandrashekar, Utpal Das and Gone Jayapal Reddy



A stereoselective synthesis of (2*S*,3*R*)- β -methoxyphenylalanine: a component of cyclomarin A

pp 3963–3969

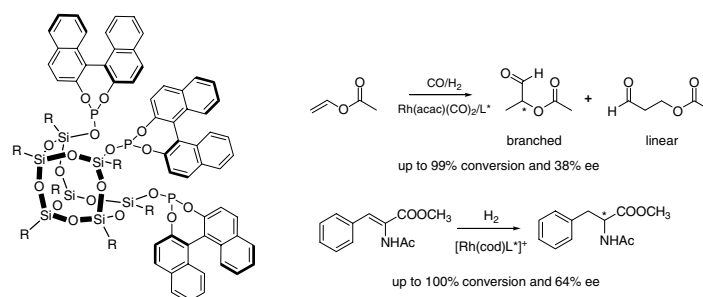
Darren B. Hansen and Madeleine M. Joullié*



Synthesis and applications of chiral phosphite ligands derived from incompletely condensed silsesquioxane backbones

pp 3970–3975

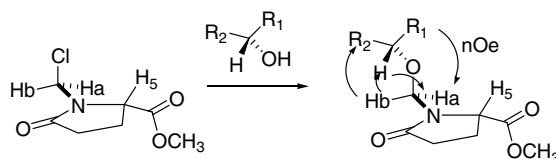
Gabriela Ionescu, Jarl Ivar van der Vlugt, Hendrikus C. L. Abbenhuis and Dieter Vogt*



Determining the absolute configuration of secondary alcohols by means of a chiral auxiliary and NOESY

pp 3976–3985

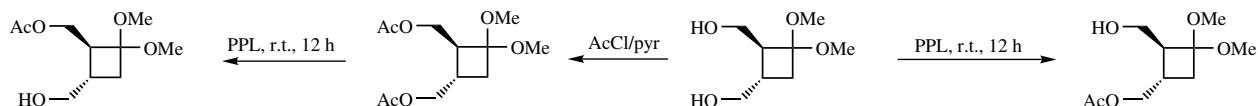
Blanca E. Domínguez, Patricia E. García and Jorge Cárdenas*



Enantiomeric resolution of cyclobutanones and related derivatives by enzyme-catalyzed acylation and hydrolysis

pp 3986–3991

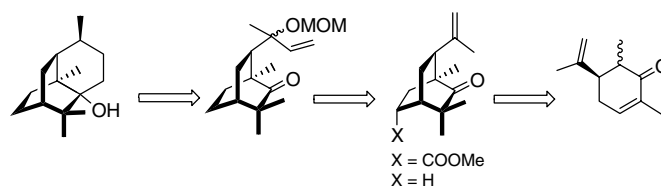
Reza Salezadeh-Asl and Edward Lee-Ruff*



An enantiospecific total synthesis of (–)-patchouli alcohol

pp 3992–3997

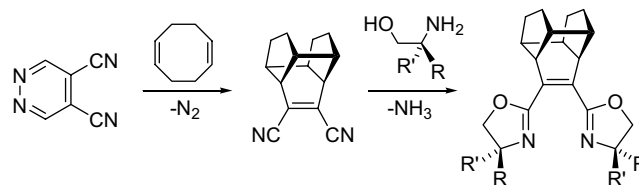
Adusumilli Srikrishna* and Gedu Satyanarayana



New enantiopure C₂ symmetric bis(2-oxazoliny)cage (Cage-Box) ligands from 4,5-dicyanopyridazine

pp 3998–4003

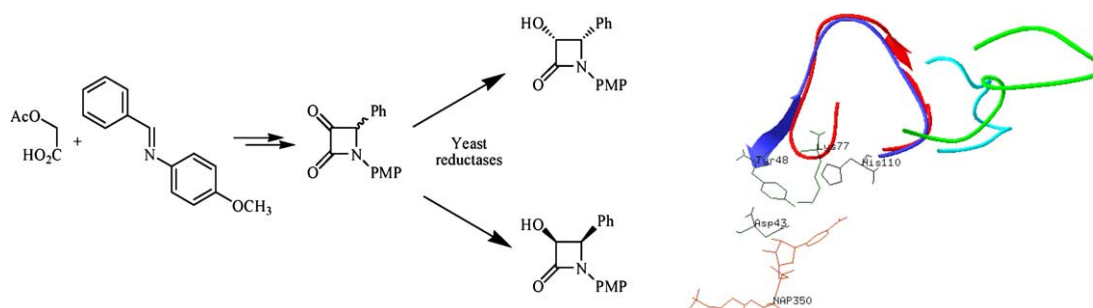
Marco Cecchi, Cristina Faggi and Donatella Giomi*



Application of newly available bio-reducing agents to the synthesis of chiral hydroxy-β-lactams: model for aldose reductase selectivity

pp 4004–4009

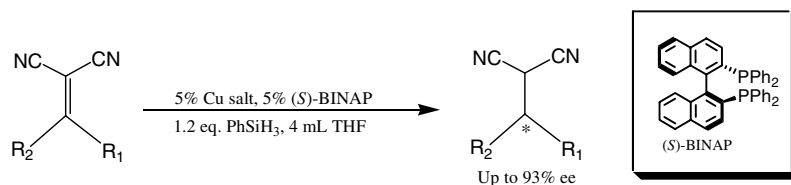
Margaret M. Kayser,* Melissa Drolet and Jon D. Stewart



A new and effective method for providing optically active monosubstituted malononitriles: selective reduction of α,β -unsaturated dinitriles catalyzed by copper hydride complexes

pp 4010–4014

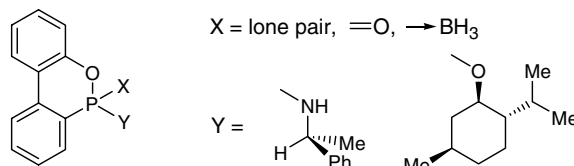
Yunlai Ren, Xianlun Xu,* Kunpeng Sun and Jian Xu



New chiral P-ligands: P-amino- and P-cycloalkoxy dibenzo[*c,e*][1,2]oxaphosphorines

pp 4015–4021

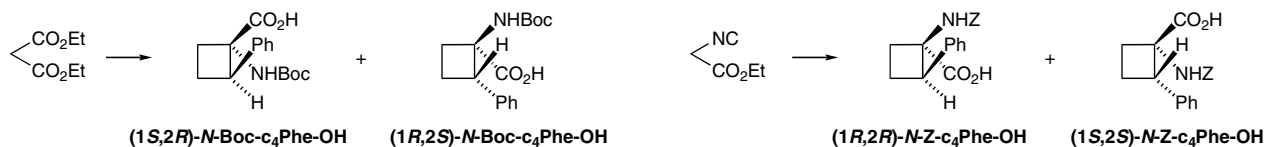
György Keglevich,* Helga Szelke, Andrea Kerényi, Veronika Kudar, Miklós Hanusz, Kálmán Simon, Tímea Imre and Krisztina Ludányi



Synthesis of the four stereoisomers of cyclobutane analogues of phenylalanine in enantiomerically pure form

pp 4022–4033

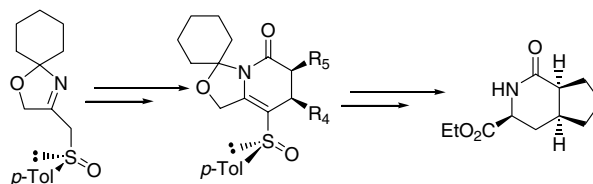
Marta Lasa, Pilar López and Carlos Cativiela*



Diastereoselective synthesis of 3,4-disubstituted 5-(*p*-tolylsulfinyl)-5,6-dehydropiperidin-2-ones: chirality transfer in the enantioselective synthesis of ethyl (+)-(3*S*,4*aS*,7*aS*)-1-oxo-octahydro-1*H*-cyclopenta[*c*]pyridine-3-carboxylate

pp 4034–4044

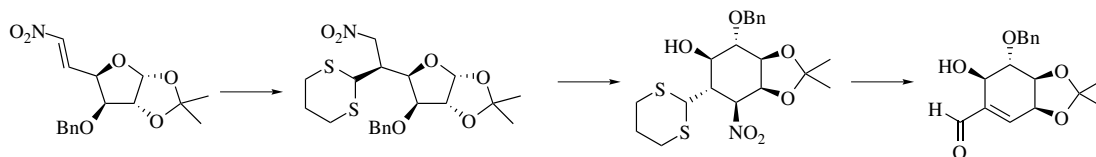
Hassan Acherki, Carlos Alvarez-Ibarra,* Juan F. Collados Luján and María L. Quiroga-Feijóo



Preliminary studies on the synthesis of rancinamycins from nitrosugars: first total synthesis of (3*S*,4*S*,5*S*,6*R*)-5-benzyloxy-6-hydroxy-3,4-(isopropylidendioxy)-cyclohex-1-enecarbaldehyde

pp 4045–4049

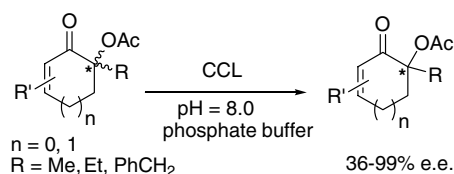
José M. Otero, Fernando Fernández, Juan C. Estévez and Ramón J. Estévez*



The first enzymatic resolution of quaternary α' -acetoxy α,β -unsaturated cyclohexenones and cyclopentenones

pp 4050–4055

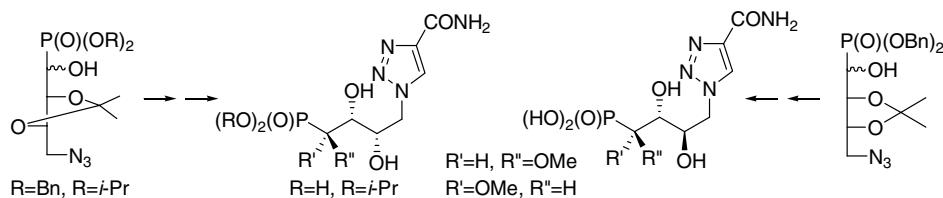
Cihangir Tanyeli,* Fazilet Devrim Özdemirhan and Çiğdem İyigün



Synthesis of four enantiomerically pure 4-(4-carbamoyl-1,2,3-triazol-1-yl)-2,3-dihydroxy-1-methoxybutylphosphonic acids

pp 4056–4064

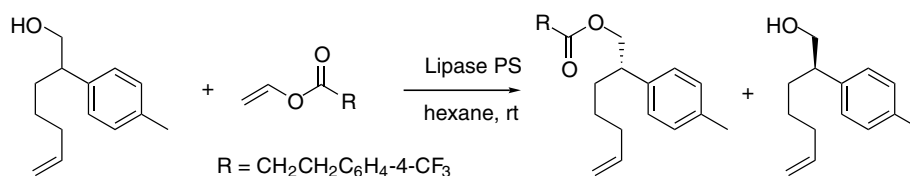
Andrzej E. Wróblewski* and Iwona E. Głowacka



Asymmetric synthesis of 5,6-dehydrosenedigitalene using lipase-catalyzed highly enantioselective transesterification of a primary alcohol with vinyl 3-(4-trifluoromethylphenyl)propanoate

pp 4065–4072

Masashi Kawasaki,* Yuko Hayashi, Hiroko Kakuda, Naoki Toyooka, Akira Tanaka, Michimasa Goto, Shigeki Kawabata and Tadashi Kometani



OTHER CONTENTS

Stereochemistry abstracts	pp A793–A816
Tetrahedron: <i>Asymmetry</i> reports	pp I–III
Instructions to contributors	pp IV–VII
Cumulative author index	pp VIII–XVI

*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



ELSEVIER

ISSN 0957-4166