

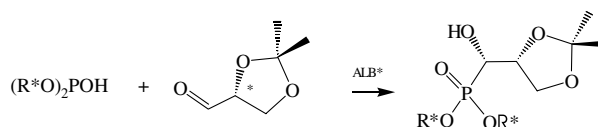
Contents

COMMUNICATION

Double and triple asymmetric induction in phosphaldol reactions

pp 1961–1963

Anastasia O. Kolodiazhna, Valery P. Kukhar, Alexander N. Chernega and Oleg I. Kolodiazhnyi*



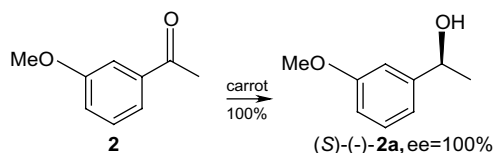
Multiple asymmetric induction was applied to increase the stereoselectivity of the phosphaldol reaction. The absolute configurations of the new chiral compounds were established on the basis of X-ray analysis.

ARTICLES

Enantioselective reduction of bromo- and methoxy-acetophenone derivatives using carrot and celeriac enzymatic system

pp 1965–1967

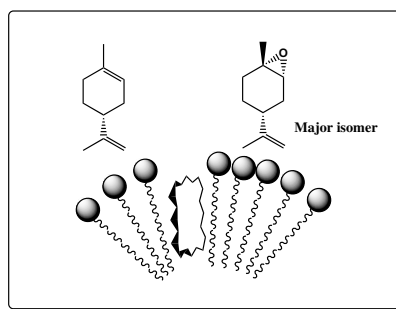
Wanda K. Mączka and Agnieszka Mironowicz*



Interaction of a chirally functionalised porphyrin derivative with chiral micellar aggregates. Construction of a system with stereoselective cytochrome-P450 biomimetic activity

pp 1969–1977

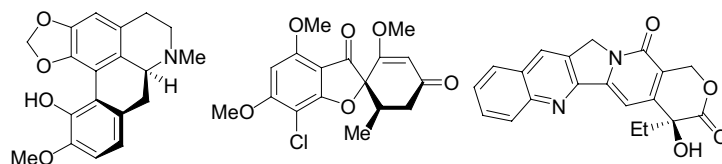
Veronica Cantonetti, Donato Monti,* Mariano Venanzi, Cecilia Bombelli, Francesca Ceccacci and Giovanna Mancini



Assignment of the absolute configuration of large molecules by ab initio calculation of the rotatory power within a small basis set scheme: the case of some biologically active natural products

pp 1979–1986

Egidio Giorgio, Rosario G. Viglione and Carlo Rosini*

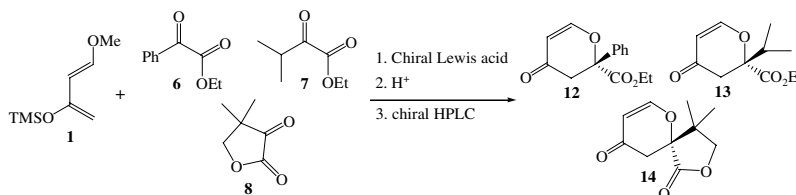


Molecular absolute configuration of large molecules can be reliably assigned by a simple ab initio small basis set calculation of the optical rotatory power.

Chiral dihydropyranones via hetero Diels–Alder reaction of Danishefsky’s diene and α -ketoesters: a high-throughput screening approach

pp 1987–1993

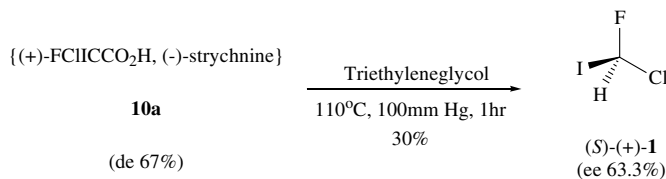
Christian Wolf,* Zaid Fadul, Pili A. Hawes and Emily C. Volpe



Preparation of (+)-chlorofluoriodomethane, determination of its enantiomeric excess and of its absolute configuration

pp 1995–2001

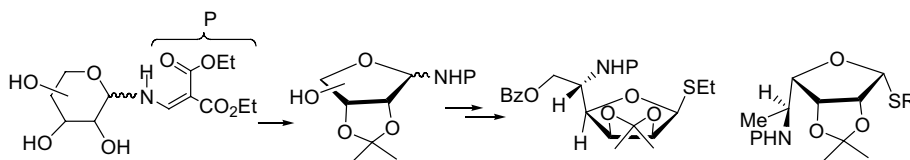
Jeanne Crassous,* Zhengjin Jiang, Volker Schurig and Prasad L. Polavarapu



Ring contraction of glycopyranosyl enamines: an easy route to furanoid thioglycosides of 5-aminosugars

pp 2003–2010

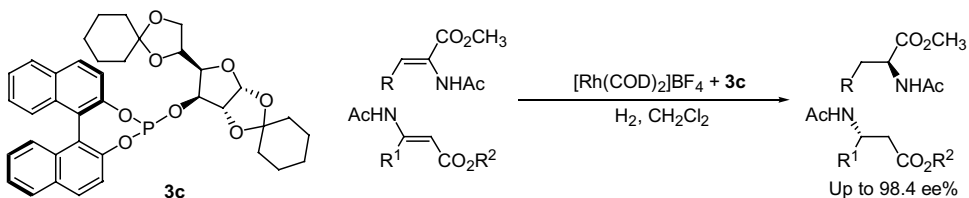
M. Ángeles Pradera, Francisco J. Sayago, José M. Illangua, Manuel Angulo, Consolación Gasch and José Fuentes*



Carbohydrate-derived monophosphite ligands for Rh-catalyzed enantioselective hydrogenation of α - and β -dehydroamino acid esters

pp 2011–2019

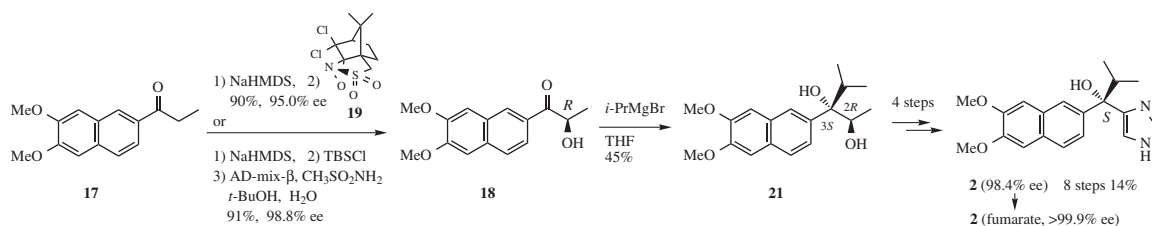
Hanmin Huang, Xiongcai Liu, Song Chen, Huilin Chen and Zhuo Zheng*



Synthetic studies on (1*S*)-1-(6,7-dimethoxy-2-naphthyl)-1-(1*H*-imidazol-4-yl)-2-methylpropan-1-ol as a selective C_{17,20}-lyase inhibitor

pp 2021–2028

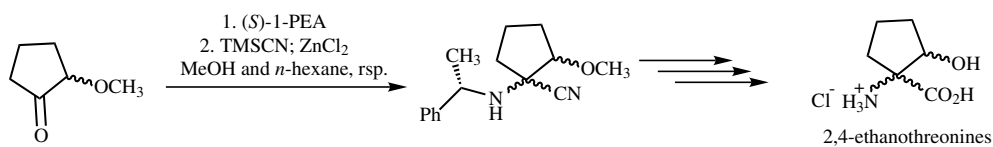
Nobuyuki Matsunaga,* Tomohiro Kaku, Akio Ojida and Akihiro Tasaka



Asymmetric Strecker synthesis of enantiopure 2,4-ethanothreonines

pp 2029–2037

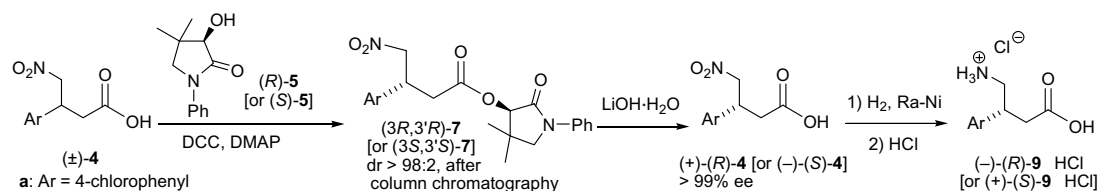
Udo Meyer, Elke Breitling, Philippe Bisel and August W. Frahm*



Synthesis of both enantiomers of baclofen using (*R*)- and (*S*)-*N*-phenylpantolactam as chiral auxiliaries

pp 2039–2044

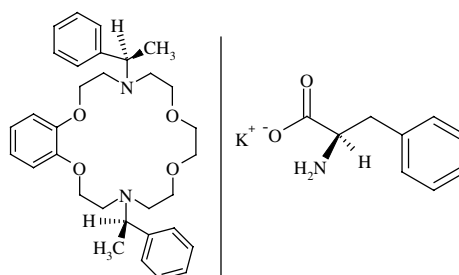
Pelayo Camps,* Diego Muñoz-Torrero* and Laura Sánchez



Enantioselective transport of amino acids as their potassium and sodium salts by optically active diaza-18-crown-6 ethers having arene sidearms

pp 2045–2049

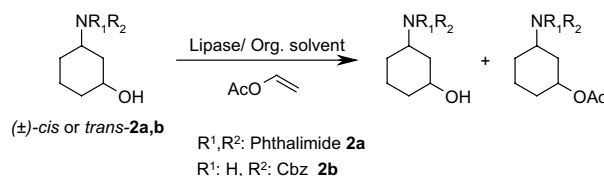
Nadir Demirel,* Yasemin Bulut and Halil Hoşgören



Resolution of *N*-protected *cis*- and *trans*-3-aminocyclohexanols via lipase-catalyzed enantioselective acylation in organic media

pp 2051–2056

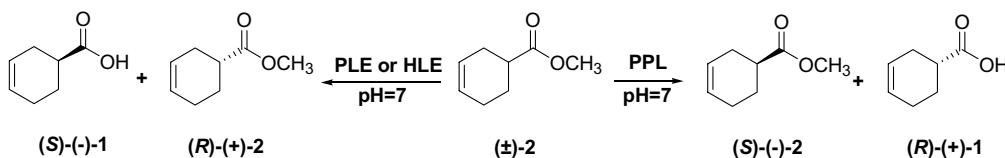
Laura M. Levy, Gonzalo de Gonzalo and Vicente Gotor*



Enzyme catalyzed reverse enantiomeric separation of methyl (±)-3-cyclohexene-1-carboxylate

pp 2057–2060

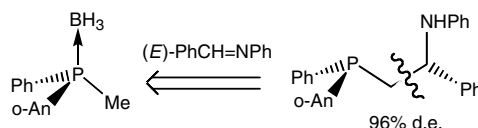
Cihangir Tanyeli* and Engin Turkut



A *P*-chirogenic β-aminophosphine synthesis by diastereoselective reaction of the α-metallated PAMP–borane complex with benzaldimine

pp 2061–2065

Jean-Michel Camus, Jacques Andrieu,* Philippe Richard, Rinaldo Poli, Christophe Darcel and Sylvain Jugé*

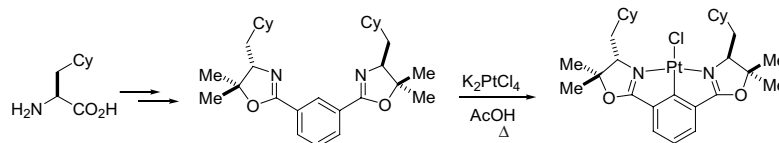


The diastereoselective synthesis of a *P*-chirogenic β-aminophosphine ligand with carbon–carbon bond formation of the ethano bridge is described in three steps, via a key reaction of the α-metallated *P*-chirogenic phosphine borane with a benzaldimine.

Direct platination as a route to conformationally restricted enantiopure C_2 -symmetric bisoxazoline pincer complexes

pp 2067–2073

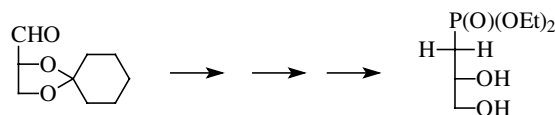
John S. Fossey, Geraint Jones, Majid Motevalli, Huy V. Nguyen, Christopher J. Richards,* Mark A. Stark and Helen V. Taylor



An efficient synthesis of enantiomerically pure diethyl 2,3-dihydroxypropylphosphonate

pp 2075–2077

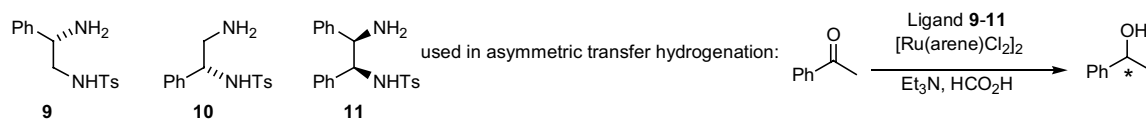
Andrzej E. Wróblewski* and Anetta Hałajewska-Wosik



The importance of 1,2-*anti*-disubstitution in monotosylated diamine ligands for ruthenium(II)-catalysed asymmetric transfer hydrogenation

pp 2079–2084

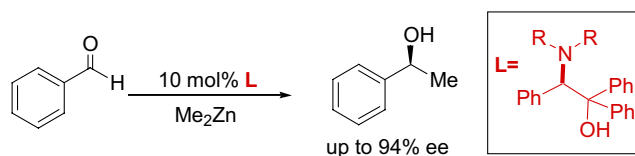
Aidan Hayes, Guy Clarkson and Martin Wills*



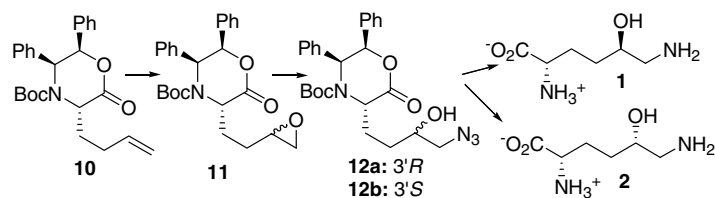
Enantioselective addition of dimethylzinc to aldehydes: assessment of optimal N,N -substitution for 2-dialkylamino-1,1,2-triphenylethanol ligands

pp 2085–2090

Noemí García-Delgado, Montserrat Fontes, Miquel A. Pericàs,* Antoni Riera and Xavier Verdaguer*



Pietro Allevi* and Mario Anastasia



OTHER CONTENTS

Corrigendum
Stereochemistry abstracts
Instructions to contributors
Cumulative author index

p 2097
pp A373–A395
pp I–IV
pp V–X

*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