

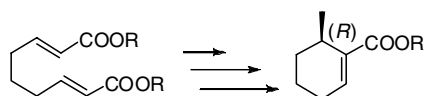
Contents

COMMUNICATIONS

Asymmetric synthesis of pent-3-yl (*R*)-6-methyl-cyclohex-1-ene carboxylate

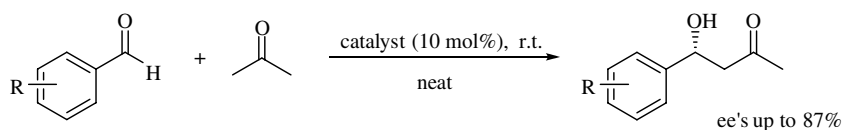
pp 2183–2186

Narciso M. Garrido,* David Díez, Sara H. Domínguez, Mercedes García, M. Rosa Sánchez and Stephen G. Davies



(*S,S,S*)-Perhydroindolic acid: efficient catalyst for direct asymmetric aldol reaction from aromatic aldehydes pp 2187–2190

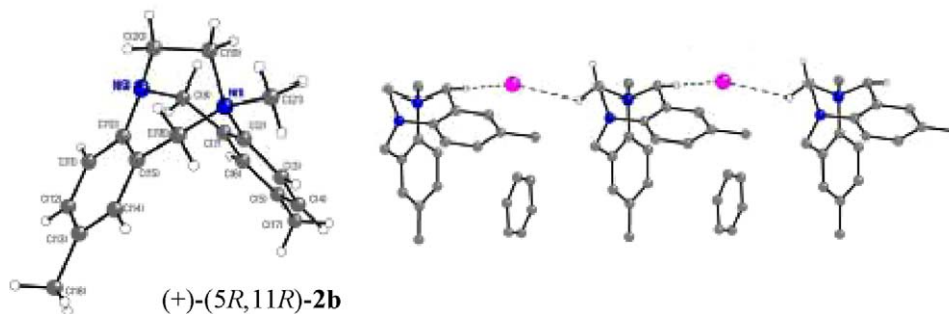
Xiaoping Tang, Benoît Liégault, Jean-Luc Renaud* and Christian Bruneau



Configurationally stable methylates of methano- and ethano-Tröger bases

pp 2191–2194

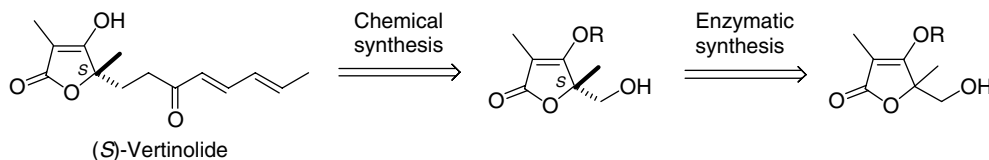
Denis A. Lenev,* Denis G. Golovanov, Konstantin A. Lyssenko and Remir G. Kostyanovsky



Lipase-catalyzed kinetic resolution of tetronic acid derivatives bearing a chiral quaternary carbon: total synthesis of (*S*)-(-)-vertinolide

pp 2195–2198

Tetsuo Tauchi, Hiroki Sakuma, Takahiro Ohno, Nobuyuki Mase, Hidemi Yoda and Kunihiko Takabe*



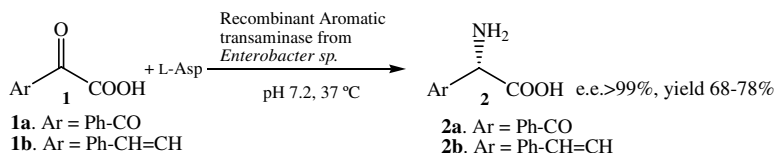
Both enantiomers were obtained with high enantiomeric excess by lipase-catalyzed kinetic resolution of tetronic acid derivatives. Total synthesis of (*S*)-vertinolide from (*S*)-alcohol was achieved in 33% yield in five steps.

ARTICLES

Asymmetric synthesis of nonproteinogenic amino acids with L-amino acid transaminase: synthesis of (2*S*)-2-amino-4-oxo-4-phenylbutyric and (3*E*,2*S*)-2-amino-4-phenylbutenoic acids

pp 2199–2202

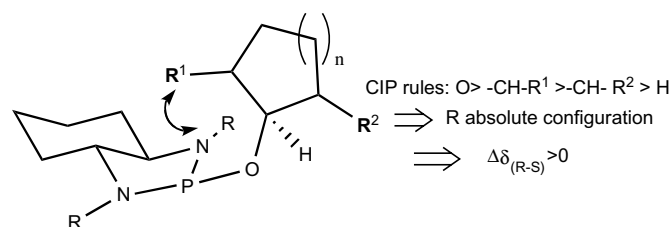
Nitin W. Fadnavis, Su-Hyun Seo, Joo-Hyun Seo and Byung-Gee Kim*



Determination of the absolute configuration of chiral cyclic alcohols using diamine derivatizing agents by ³¹P NMR spectroscopy

pp 2203–2209

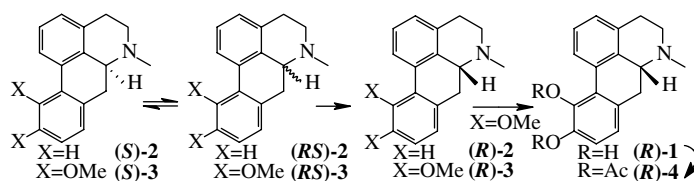
Anne-Sophie Chauvin, Gérald Bernardinelli and Alexandre Alexakis*



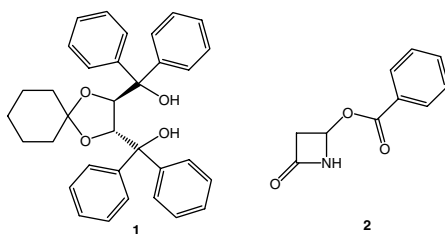
Racemization of (*S*)-(+)-10,11-dimethoxyaporphine and (*S*)-(+)-aporphine: efficient preparations of (*R*)-(-)-apomorphine and (*R*)-(-)-aporphine via a recycle process of resolution

pp 2210–2215

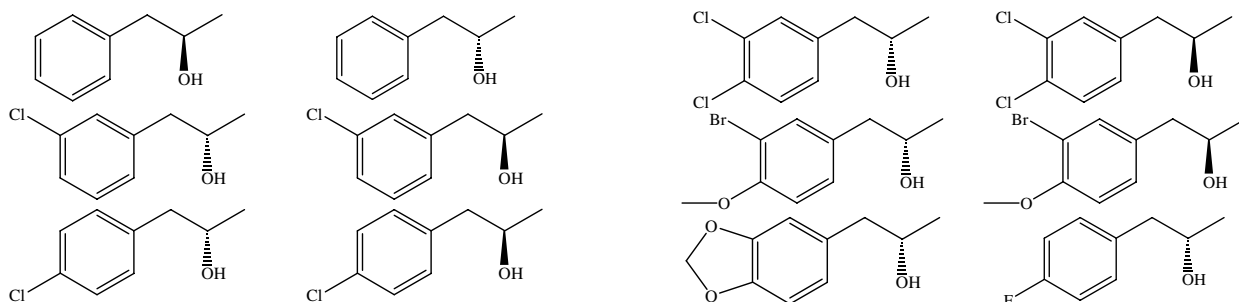
Xiao-Xin Shi,* Feng Ni, Hai-Xia Shang, Ming-Le Yan and Jun-Quan Su



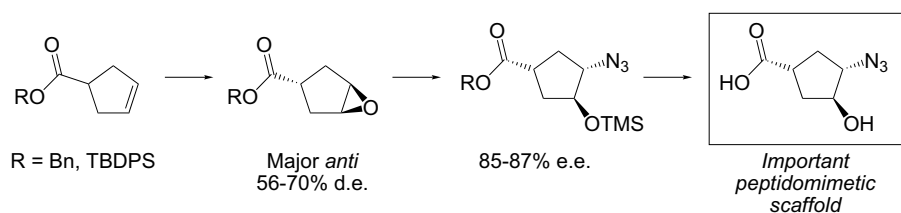
Koichi Tanaka,* Hiroko Takenaka and Mino R. Caira*



Violetta Kiss, Gabriella Egri,* József Bálint, István Ling, József Barkóczi and Elemér Fogassy

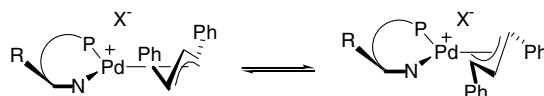


Emiliano Tamanini, Michael Watkinson and Matthew H. Todd*



An improved stereoselective synthesis of 3-azido-4-hydroxy cyclopentanoic acid, **2**, is presented.

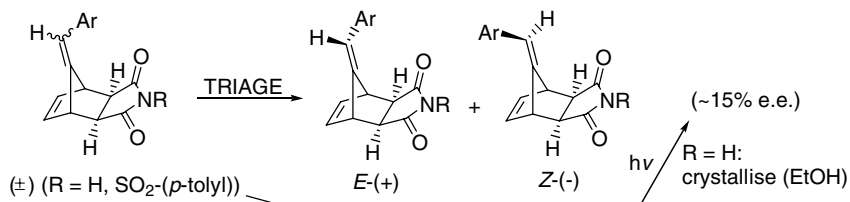
Chang-Woo Cho, Jeong-Ho Son and Kyo Han Ahn*



Novel *cis-trans* enantiomeric conglomerates: triage and absolute configurations via anomalous X-ray scattering. A photochemical second order asymmetric transformation

pp 2247–2251

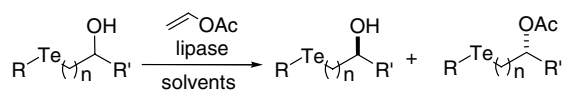
Sosale Chandrasekhar* and Suresh Kumar Gorla



Lipase-catalyzed kinetic resolution of (*RS*)-hydroxy tellurides

pp 2252–2259

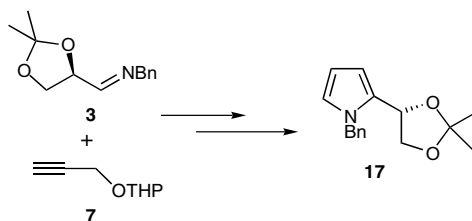
Alcindo A. Dos Santos,* Carlos E. Da Costa, Jefferson L. Princival and João V. Comasseto



Asymmetric synthesis of 1-benzyl-2-((*S*)-2',2'-dimethyl-1',3'-dioxolan-4'-yl)-1*H*-pyrrole using chiral imines

pp 2260–2264

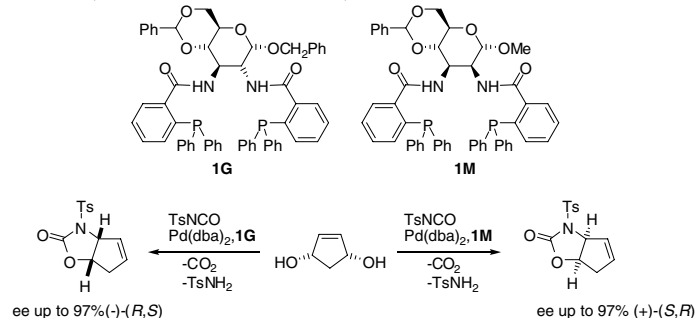
David Díez,* Ana B. Antón, Pilar García, Marta G. Nuñez, Narciso M. Garrido, Rosalina F. Moro, Isidro S. Marcos, Pilar Basabe and Julio G. Urones



Bis(phosphinoamides) based on sugars for highly enantioselective allylic substitution: inversion of stereocontrol by switching from glucose to mannose

pp 2265–2269

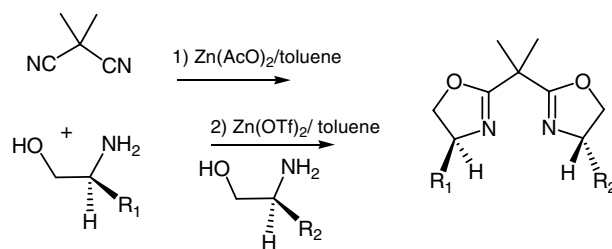
Francesco Ruffo,* Raffaella Del Litto, Antonella De Roma, Alessandra D'Errico and Santo Magnolia



Synthesis of non-symmetric bisoxazoline compounds. An easy way to reach tailored chiral ligands

pp 2270–2275

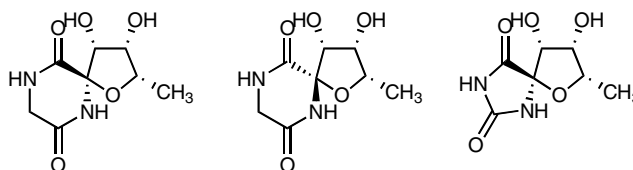
José I. García,* José A. Mayoral, Elisabet Pires* and Isabel Villalba



Sugar amino acids at the anomeric position of carbohydrates: synthesis of spirocyclic amino acids of 6-deoxy-L-lyxofuranose

pp 2276–2286

Yves Blériot,* Michela I. Simone, Mark R. Wormald, Raymond A. Dwek, David J. Watkin and George W. J. Fleet*

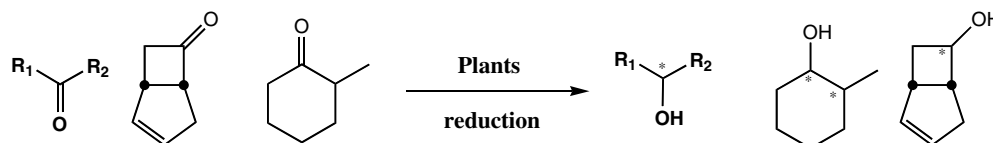


The anomeric spirodiketopiperazines and spirohydantoin of 6-deoxy-L-lyxofuranose have been prepared from L-fucose.

Plants-mediated reduction in the synthesis of homochiral secondary alcohols

pp 2287–2291

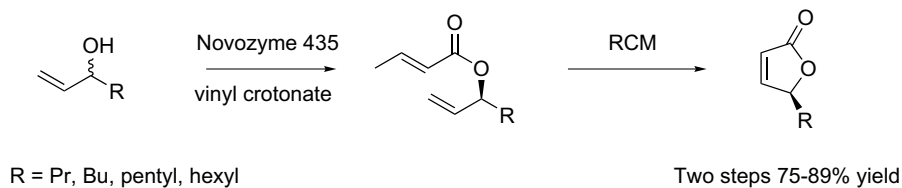
Renato Bruni, Giancarlo Fantin, Silvia Maietti, Alessandro Medici, Paola Pedrini* and Gianni Sacchetti



Chemoenzymatic synthesis of optically active γ -alkyl- γ -butenolides

pp 2292–2298

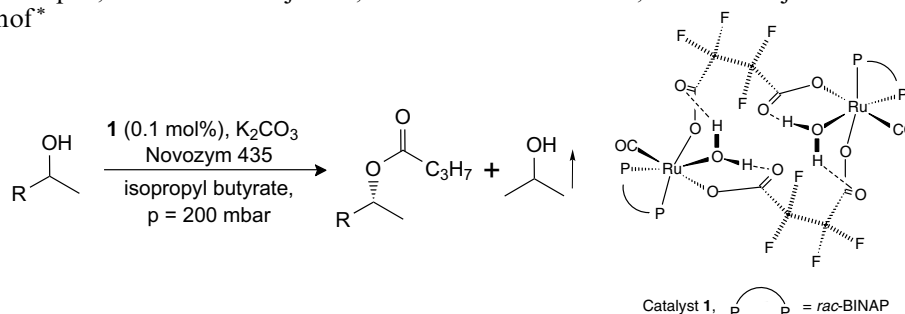
Mikio Fujii,* Motonori Fukumura, Yumiko Hori, Yasuaki Hirai, Hiroyuki Akita, Kaoru Nakamura, Kazuo Toriizuka and Yoshiteru Ida



Efficient dynamic kinetic resolution of secondary alcohols with a novel tetrafluorosuccinato ruthenium complex

pp 2299–2305

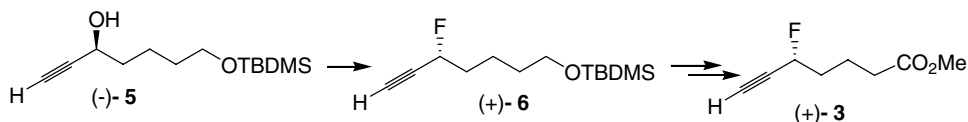
Sjoerd F. G. M. van Nispen, Jeroen van Buijtenen, Jef A. J. M. Vekemans, Jan Meuldijk and Lumbertus A. Hulshof*



Enantioselective synthesis of methyl-5(*R*)-fluorohept-6-ynoate

pp 2306–2310

Vijaya Lingam Manthati, A. Sai Krishna Murthy, Frédéric Caijo, Delphine Drouin, Philippe Lesot, Danielle Grée and René Grée*



OTHER CONTENTS

Stereochemistry abstracts
Instructions to contributors
Cumulative author index

pp A491–A510
pp I–IV
pp V–X

*Corresponding author

Available online at 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®



ISSN 0957-4166