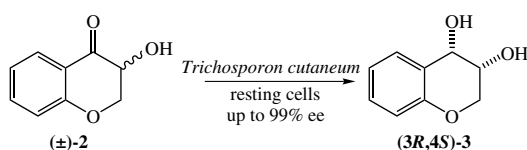


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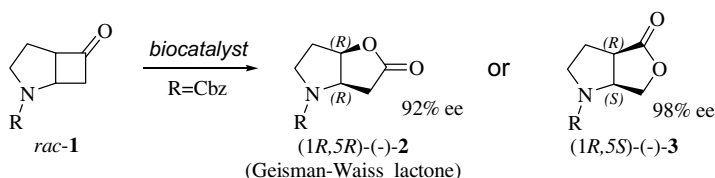
Highly stereoselective preparation of (3*R*,4*S*)-3,4-chromanediol by deracemization of (±)-3-hydroxy-4-chromanone by *Trichosporon cutaneum* pp 2515–2519

Inês Lunardi, Gelson J. A. Conceição, Paulo J. S. Moran and J. Augusto R. Rodrigues*



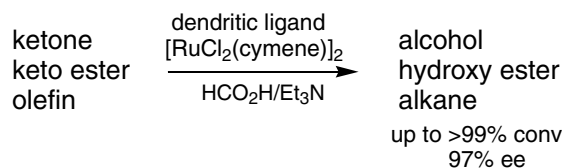
Microbial Baeyer–Villiger oxidation applied to the synthesis of the *N*-protected (1*R*,5*R*)-Geisman–Waiss lactone pp 2521–2524

Amparo Luna, Maria-Concepcion Gutiérrez, Roland Furstoss and Véronique Alphand*



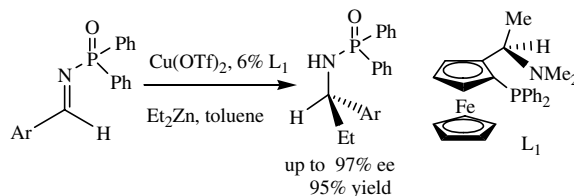
Tunable dendritic ligands of chiral 1,2-diamine and their application in asymmetric transfer hydrogenation pp 2525–2530

Weiguo Liu, Xin Cui, Linfeng Cun, Jin Zhu and Jingen Deng*



Novel chiral copper complexes of *N,P*-ferrocenyl ligands with central and planar chirality as efficient catalyst for asymmetric addition of diethylzinc to imines pp 2531–2534

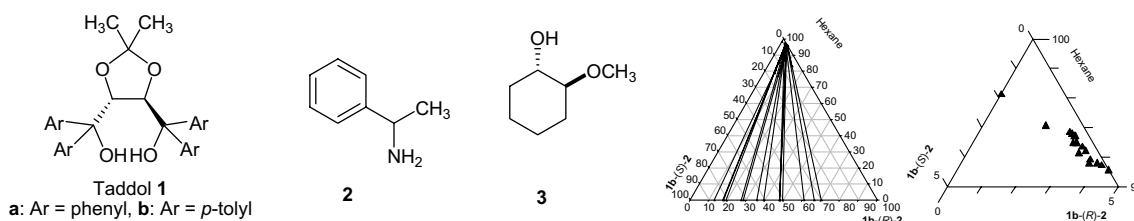
Min-Can Wang,* Lan-Tao Liu, Yuan-Zhao Hua, Jun-Song Zhang, Yan-Yan Shi and De-Kun Wang



Phase diagrams of diastereomeric pairs in inclusion resolution

pp 2535–2538

Simona Müller, Gerry J. A. Ariaans, Bernard Kaptein, Quirinius B. Broxterman and Alle Bruggink*

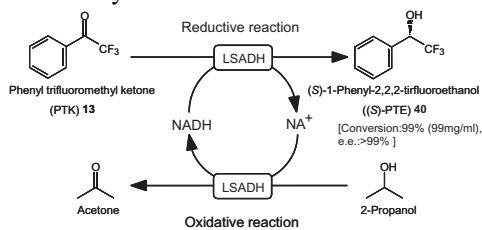


ARTICLES

Production of (*R*)-chiral alcohols by a hydrogen-transfer bioreduction with NADH-dependent *Leifsonia* alcohol dehydrogenase (LSADH)

pp 2539–2549

Kousuke Inoue, Yoshihide Makino and Nobuya Itoh*

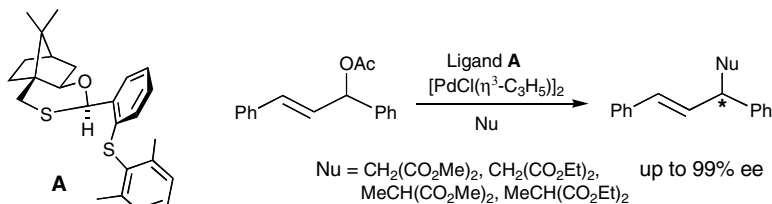


LSADH catalyzed the enantioselective reduction of more than 25 ketones with high conversion and enantiomeric purity to give (*R*)-form alcohols.

Chiral sulfideoxathiane ligands for palladium-catalyzed asymmetric allylic alkylation

pp 2551–2557

Yuko Okuyama, Hiroto Nakano,* Yuka Saito, Kouichi Takahashi and Hiroshi Hongo

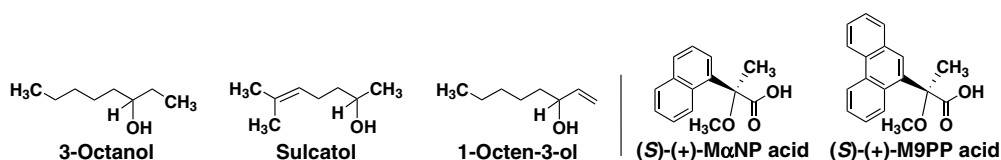


Chiral sulfideoxathianes were synthesized easily and were applied to Pd-catalyzed asymmetric allylic alkylation. Enantiomeric excess of up to 99% was obtained using A.

Preparation of single-enantiomer semiochemicals using 2-methoxy-2-(1-naphthyl)propionic acid and 2-methoxy-2-(9-phenanthryl)propionic acid

pp 2559–2568

Akio Ichikawa* and Hiroshi Ono



Enantioresolution of the racemic alcohols was conducted using M α NP and M9PP acids. The stereochemistry of the esters was determined by the ¹H NMR anisotropy method.

Resolution of non-protein amino acids via *Carica papaya* lipase-catalyzed enantioselective transesterification

pp 2569–2573

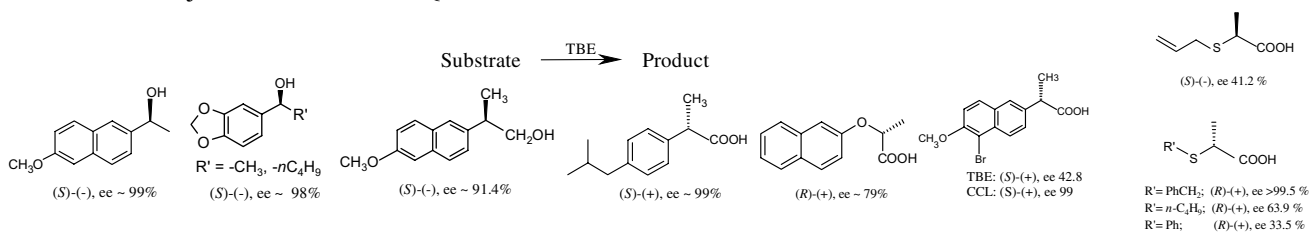
Toshifumi Miyazawa,* Kazuki Onishi, Takashi Murashima, Takashi Yamada and Shau-Wei Tsai



Trichosporon beigelli esterase (TBE): a versatile esterase for the resolution of economically important racemates

pp 2575–2591

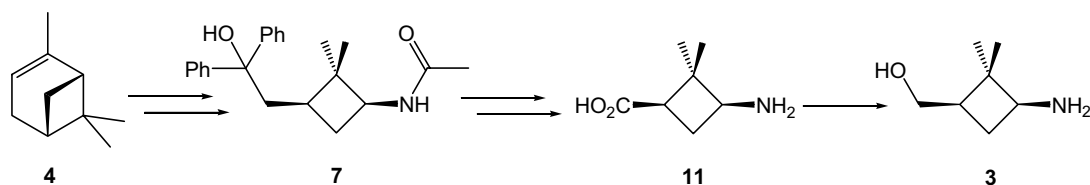
Surrinder Koul, Jawahir Lal Koul, Budh Singh, Munish Kapoor, Rajinder Parshad, Kuldeep S. Manhas, Subhash C. Taneja* and Ghulam N. Qazi

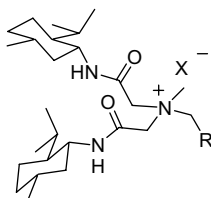


Synthesis of enantiopure cyclobutane amino acids and amino alcohols

pp 2593–2597

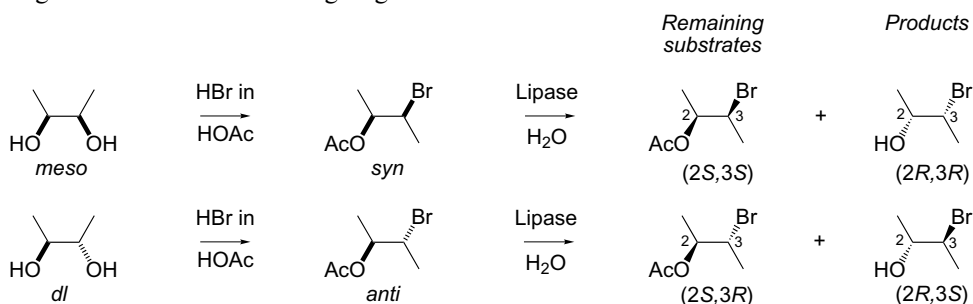
Carmen Balo, Olga Caamaño, Franco Fernández and Carmen López*





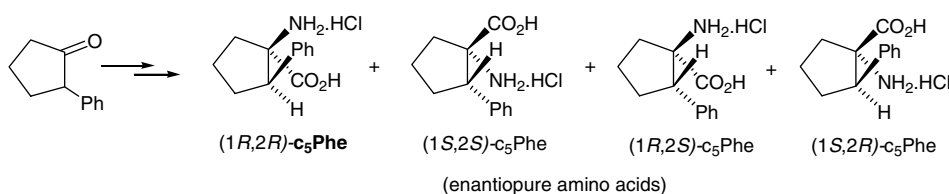
Preparation of the four stereoisomers of 3-bromo-2-butanol or their acetates via lipase-catalysed resolutions of the racemates derived from *dl*- or *meso*-2,3-butanediol

Rong Liu, Per Berglund and Hans-Erik Högborg*



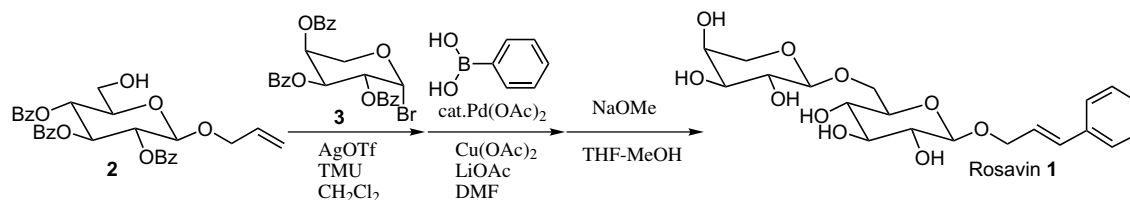
Synthesis of enantiomerically pure *cis*- and *trans*-cyclopentane analogues of phenylalanine

Carlos Cativiela,* Marta Lasa and Pilar López*



Synthesis of Rosavin and its analogues based on a Mizoroki-Heck type reaction

Msashi Kishida and Hiroyuki Akita*

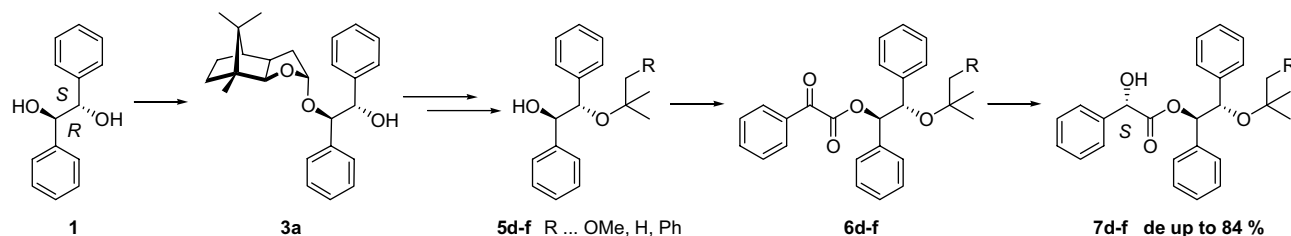


The synthesis of Rosavin **1** was achieved by the coupling reaction of allyl β -D-glucopyranoside congener **2** and bromide **3** followed by the Pd(II)-catalyzed MH-type reaction with phenylboronic acid. Moreover, Rosavin analogues were obtained using same synthetic strategy.

Synthesis of novel chiral hydrobenzoin *mono-tert*-butyl ethers derived from *m*-hydrobenzoin and their application as chiral auxiliaries in the diastereoselective reduction of α -keto esters

pp 2631–2647

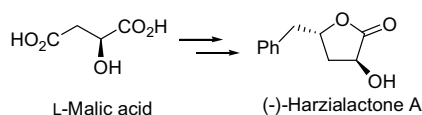
Christian Schuster, Joachim Broeker, Max Knollmueller and Peter Gaertner*



An expeditious route to the antipode of harzialactone A

pp 2649–2651

Ya-Jun Jian, Yikang Wu,* Liang Li and Jun Lu

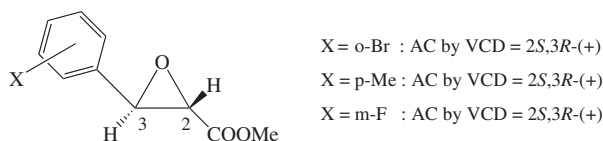


(-)-Harzialactone A was synthesized from L-malic acid via a very efficient route in 40% overall yield.

Determination of absolute configuration using vibrational circular dichroism spectroscopy: phenyl glycidic acid derivatives obtained via asymmetric epoxidation using oxone and a keto bile acid

pp 2653–2663

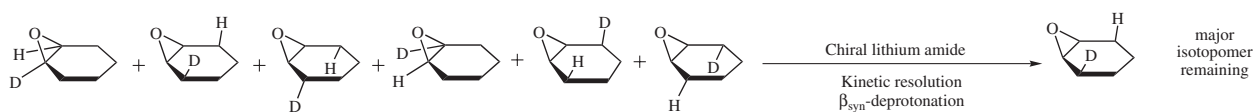
Frank J. Devlin, Philip J. Stephens* and Olga Bortolini



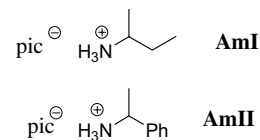
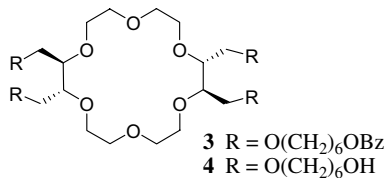
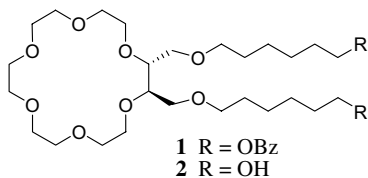
Investigation of site selectivity of the stereoselective deprotonation of cyclohexene oxide using kinetic resolution of isotopic enantiomers in natural abundance

pp 2665–2671

Peter Dinér, Daniel Pettersen, Sten O. Nilsson Lill and Per Ahlberg*



Manuel Colera, Ana M. Costero,* Pablo Gaviña and Salvador Gil



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*Corresponding author



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