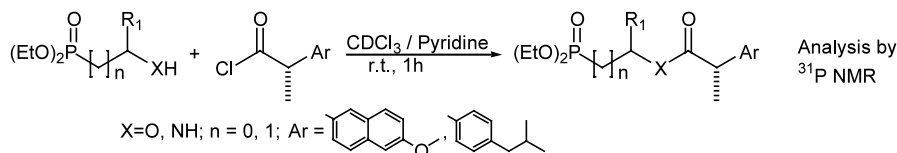


(S)-Naproxen® and (S)-Ibuprofen® chlorides—convenient chemical derivatizing agents for the determination of the enantiomeric excess of hydroxy and aminophosphonates by ³¹P NMR

Tetrahedron: Asymmetry 13 (2002) 671

Katarzyna Błażewska and Tadeusz Gajda*

Institute of Organic Chemistry, Technical University (Politechnika), Żeromskiego St. 116, 90-924 Lodz, Poland

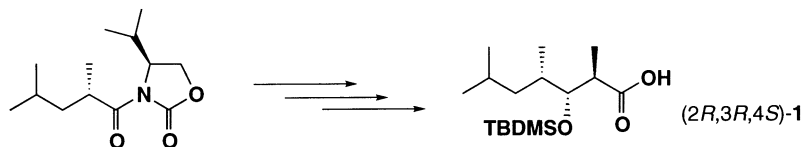


Progress towards the total synthesis of callipeltin A. Asymmetric synthesis of (2R,3R,4S)-3-hydroxy-2,4,6-trimethylheptanoic acid

Tetrahedron: Asymmetry 13 (2002) 675

Vincent Guerlavais, Patrick J. Carroll and Madeleine M. Joullie*

Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323, USA

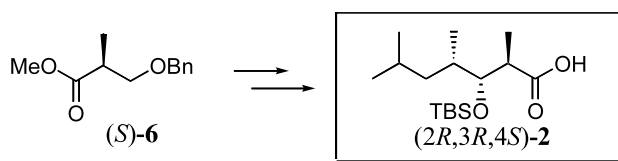


Synthetic studies on callipeltin A: stereoselective synthesis of (2R,3R,4S)-3-hydroxy-2,4,6-trimethylheptanoic acid

Tetrahedron: Asymmetry 13 (2002) 681

Angela Zampella, Maria Sorgente and Maria Valeria D'Auria*

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Catalytic FeCl₃- or Yb(OTf)₃-mediated synthesis of substituted tetrahydrofurans and C-aryl glycosides from 1,4-diols

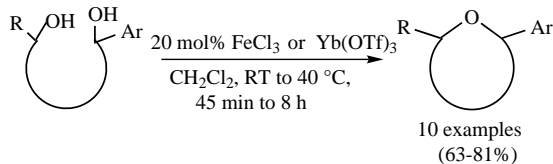
Tetrahedron: Asymmetry 13 (2002) 687

G. V. M. Sharma,^{a,*} K. Raman Kumar,^a Punna Sreenivas,^a Palakodety Radha Krishna^a and Mukund S. Chorghade^b

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^bChorghade Enterprises, 14 Carlson Circle, Natick, MA 01760-4205, USA

The synthesis of substituted tetrahydrofurans, C-aryl and 2-deoxy-C-aryl glycosides by treatment with 20 mol% FeCl₃ or Yb(OTf)₃ is described.

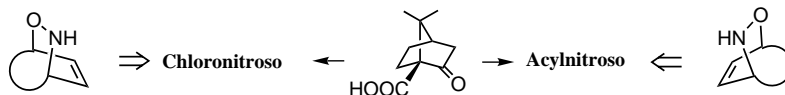


Switch in asymmetric induction sense in cycloadditions using camphor-based nitroso dienophiles

Tetrahedron: Asymmetry 13 (2002) 691

Ying-Chuan Wang, Tzung-Min Lu, Shanmugham Elango, Chao-Kuo Lin, Chia-Tzung Tsai and Tu-Hsin Yan*

Department of Chemistry, National Chung-Hsing University, Taichung, Taiwan, ROC

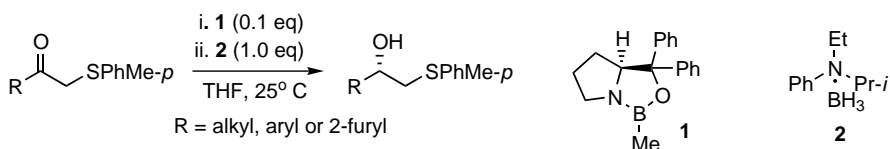


Highly efficient synthesis of chiral β -hydroxy sulfides with high enantiomeric purity via CBS-oxazaborolidine-catalyzed borane reduction

Tetrahedron: Asymmetry 13 (2002) 697

Byung Tae Cho,* Ok Kyoung Choi and Dong Jun Kim

Department of Chemistry, Hallym University, Chunchon 200-702, South Korea



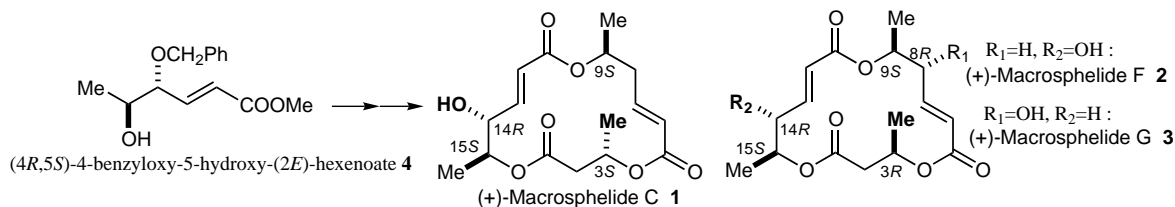
New total syntheses of (+)-macrosphelides C, F and G

Tetrahedron: Asymmetry 13 (2002) 705

Hiroshi Nakamura, Machiko Ono, Yuki Shida and Hiroyuki Akita*

School of Pharmaceutical Sciences, Toho University, 2-2-1 Miyama, Funabashi, Chiba 274-8510, Japan

Total synthesis of (+)-macrosphelides **C 1** (25% overall yield in nine steps), **F 2** (20% overall yield in nine steps) and **G 3** (22% overall yield in nine steps) were achieved from the chemoenzymatic reaction product (4*R*,5*S*)-4-benzyloxy-5-hydroxy-(*E*)-hexenoate **4**.



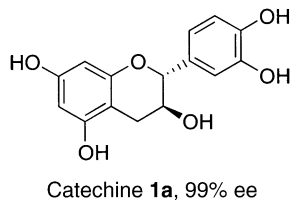
Enantioselective synthesis of (2*R*,3*S*)-(+)-catechin

Tetrahedron: Asymmetry 13 (2002) 715

Sang-sup Jew,* Doo-yeon Lim, So-young Bae, Hyun-ah Kim, Jeong-hoon Kim, Jihye Lee and Hyeung-geun Park*

Research Institute of Pharmaceutical Science and College of Pharmacy, Seoul National University, Seoul 151-742, South Korea

A highly enantioselective synthesis of catechin **1a** has been accomplished by employing the asymmetric dihydroxylation, the addition of aryllithium followed by the Barton–McCombie reaction, and the intramolecular Mitsunobu reaction as the crucial steps, in nine steps from 3',4'-dihydroxymethyl cinnamate (9%, 99% ee).



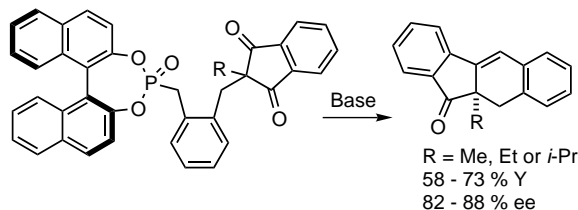
Intramolecular asymmetric olefination of binaphthyl phosphonate derivatives of 1,3-diketones

Tetrahedron: Asymmetry 13 (2002) 721

Ashutosh V. Bedekar,^a Toshiyuki Watanabe,^a Kiyoshi Tanaka^{a,*} and Kaoru Fuji^b

^aSchool of Pharmaceutical Sciences, University of Shizuoka, Shizuoka 422-8526, Japan

^bInstitute for Chemical Research, Kyoto University, Uji 611-0011, Japan



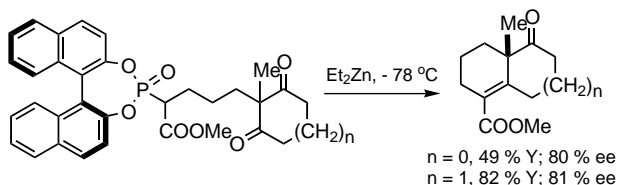
Asymmetric construction of novel bicyclo[4.4.0] and [4.3.0]ring systems via intramolecular Horner–Wadsworth–Emmons reactions

Tetrahedron: Asymmetry 13 (2002) 729

Jiro Yamazaki,^a Ashutosh V. Bedekar,^a Toshiyuki Watanabe,^a Kiyoshi Tanaka,^{a,*} Joshu Watanabe^b and Kaoru Fuji^b

^aSchool of Pharmaceutical Sciences, University of Shizuoka, Shizuoka 422-8526, Japan

^bInstitute for Chemical Research, Kyoto University, Uji 611-0011, Japan

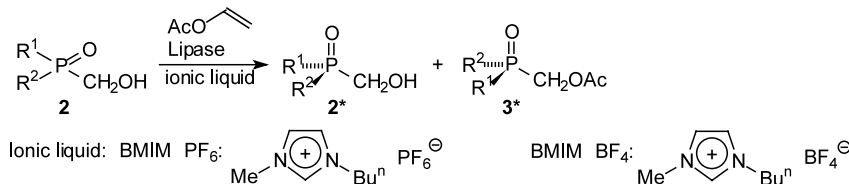


Enzymatic reactions in ionic liquids: lipase-catalysed kinetic resolution of racemic, *P*-chiral hydroxymethanephosphinates and hydroxymethylphosphine oxides

Tetrahedron: Asymmetry 13 (2002) 735

Piotr Kiełbasiński,* Małgorzata Albrycht, Jerzy Łuczak and Marian Mikołajczyk

Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Sienkiewicza 112, 90-363 Łódź, Poland



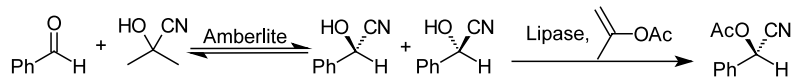
Enantioselective formation of mandelonitrile acetate—investigation of a dynamic kinetic resolution

Tetrahedron: Asymmetry 13 (2002) 739

Yu-Xin Li,^a Adrie J. J. Straathof^b and Ulf Hanefeld^{a,*}

^aApplied Organic Chemistry and Catalysis, Delft University of Technology, Julianalaan 136, 2628 BL Delft, The Netherlands

^bKluyverlaboratory for Biotechnology, Delft University of Technology, Julianalaan 67, 2628 BC Delft, The Netherlands

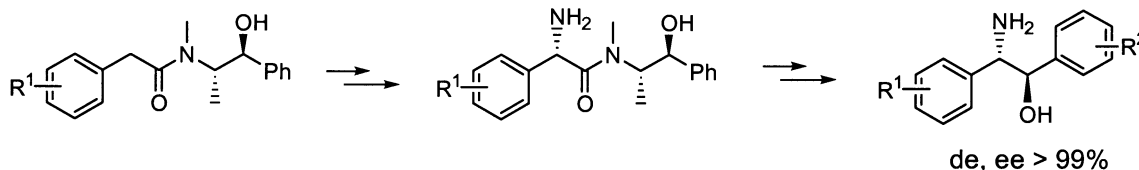


Asymmetric synthesis of 1,2-diaryl-2-amino ethanols

Tetrahedron: Asymmetry 13 (2002) 745

Jose L. Vicario, Dolores Badía,* Luisa Carrillo and Eneritz Anakabe

Departamento de Química Orgánica, Facultad de Ciencias, Universidad del País Vasco-Euskal Herriko Unibertsitatea, PO Box 644, 48080 Bilbao, Spain

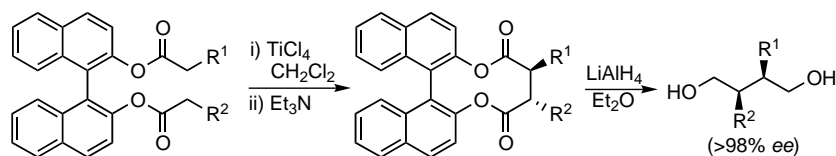


Asymmetric C–C bond formation by the mixed oxidative coupling of 1,1'-bi-2-naphthyl esters

Tetrahedron: Asymmetry 13 (2002) 753

Aurelio G. Csáky,* M. Belén Mula, Myriam Mba and Joaquín Plumet

Departamento de Química Orgánica I, Facultad de Química, Universidad Complutense, 28040 Madrid, Spain



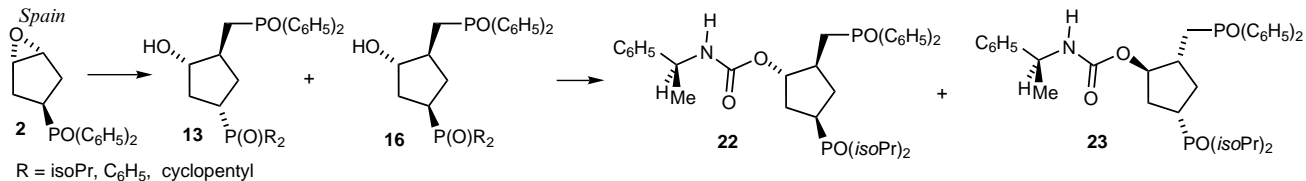
Towards chiral non-racemic *cis*-1,3-disubstituted cyclopentane 1,4-diphosphines

Tetrahedron: Asymmetry 13 (2002) 759

Pelayo Camps,^{a,*} Gisela Colet,^a Mercè Font-Bardia,^b Victoria Muñoz-Torrero,^a Xavier Solans^b and Santiago Vázquez^a

^aLaboratori de Química Farmacèutica (Unitat Associada al CSIC), Facultat de Farmàcia, Universitat de Barcelona, Av. Diagonal 643, E-08028 Barcelona, Spain

^bDepartament de Cristal·lografia i Dipòsits Minerals, Facultat de Geologia, Universitat de Barcelona, Av. Martí i Franquès s/n, E-08028 Barcelona, Spain



Hydrolytic kinetic resolution of terminal mono- and bis-epoxides in the synthesis of insect pheromones: routes to (–)-(R)- and (+)-(S)-10-methyldodecyl acetate, (–)-(R)-10-methyl-2-tridecanone, (–)-(R)-(Z)-undec-6-en-2-ol (Nostrenol), (–)-(1R,7R)-1,7-dimethylnonyl propanoate, (–)-(6R,12R)-6,12-dimethylpentadecan-2-one, (–)-(2S,11S)-2,11-diacetoxytridecane and (+)-(2S,12S)-2,12-diacetoxytridecane

Tetrahedron: Asymmetry 13 (2002) 779

Sharon Chow and William Kitching*

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