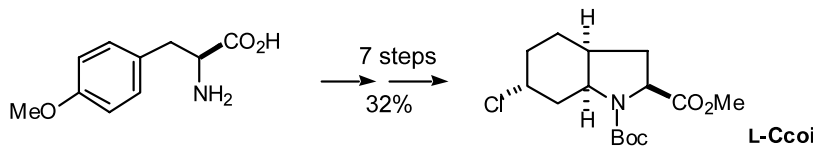
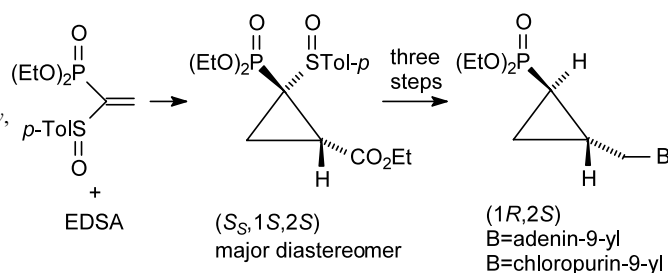
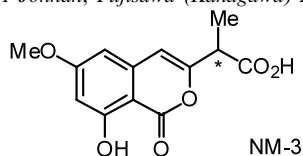


Biotransformations by *Colletotrichum* species*Tetrahedron: Asymmetry* 14 (2003) 1229

C. M. García-Pajón, R. Hernández-Galán and Isidro G. Collado*

*Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, Apdo. 40, 11510 Puerto Real, Cádiz, Spain*Biotransformations by *Colletotrichum* sp. are reviewed. Various substrates and the *Colletotrichum* species used for the transformations are included in this review of the literature for the period 1975–2002.**Synthesis of the proposed core of aeruginosins 205: the new α -amino acid (2*S*,3*aS*,6*R*,7*aS*)-2-carboxy-6-chlorooctahydroindole***Tetrahedron: Asymmetry* 14 (2003) 1241Nativitat Valls,^{a,*} Mercè Vallribera,^a Mercè Font-Bardía,^b Xavier Solans^b and Josep Bonjoch^{a,*}^a*Laboratori de Química Orgànica, Facultat de Farmàcia, Universitat de Barcelona, Av. Joan XXIII s/n, 08028 Barcelona, Spain*^b*Departament de Cristal·lografia, Mineralogia i Dipòsits Minerals, Universitat de Barcelona, Martí i Franquès s/n, 08028 Barcelona, Spain***The first synthesis of enantiomerically pure cyclopropylphosphonate analogues of nucleotides via asymmetric cyclopropanation of chiral (1-diethoxyphosphoryl)vinyl *p*-tolyl sulfoxide***Tetrahedron: Asymmetry* 14 (2003) 1245

Wanda H. Midura, Jerzy A. Krysiak and Marian Mikołajczyk*

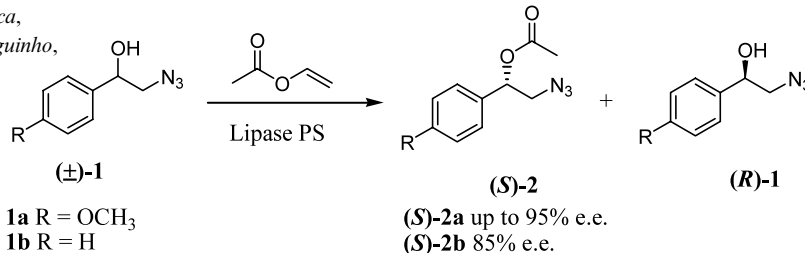
Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Department of Heteroorganic Chemistry, 90-363 Łódź, Sienkiewicza 112, Poland**Practical deracemization of NM-3, a synthetic angiogenesis inhibitor***Tetrahedron: Asymmetry* 14 (2003) 1251Naoki Kanoh,^a Ayumi Tomatsu,^a Tomoyuki Nishikawa,^a Mitsuaki Ide,^a Toshio Tsuchida,^b Kunio Isshiki^b and Masaya Nakata^{a,*}^a*Department of Applied Chemistry, Faculty of Science and Technology, Keio University, 3-14-1 Hiyoshi, Kohoku-ku, Yokohama 223-8522, Japan*^b*Bioresource Laboratories, Mercian Corporation, 4-9-1 Johnan, Fujisawa (Kanagawa) 251-0057, Japan*

Stereoselective acylations of 1,2-azidoalcohols with vinyl acetate, catalyzed by lipase Amano PS

Tetrahedron: Asymmetry 14 (2003) 1255

Eugênia Cristina Souza Brenelli* and Jane Luiza Nogueira Fernandes

Universidade Federal Fluminense, Instituto de Química,
Departamento de Química Orgânica, Campus Valonguinho,
Niterói, 24020-150 Rio de Janeiro, Brazil



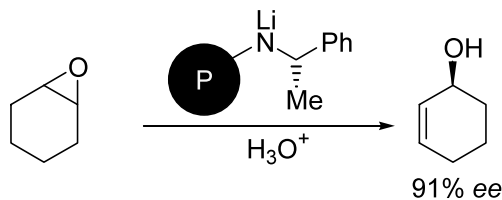
Solid-phase supported chiral lithium amides used in deprotonation reactions

Tetrahedron: Asymmetry 14 (2003) 1261

Anna Johansson,^{a,*} Peter Abrahamsson^b and Öjvind Davidsson^{b,*}

^aDept. of Organic Chemistry, Göteborg University, Kemivägen 10, SE-412 96 Göteborg, Sweden

^bMedicinal Chemistry, AstraZeneca, SE-431 83 Mölndal, Sweden

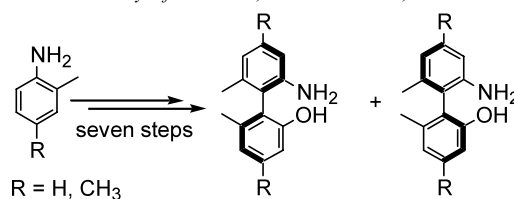


Syntheses and resolutions of new chiral biphenyl backbones: 2-amino-2'-hydroxy-6,6'-dimethyl-1,1'-biphenyl and 2-amino-2'-hydroxy-4,4',6,6'-tetramethyl-1,1'-biphenyl

Tetrahedron: Asymmetry 14 (2003) 1267

Yuxue Liang, Shuang Gao, Huihui Wan, Junwei Wang, Huilin Chen, Zhuo Zheng and Xinquan Hu*

Dalian Institute of Chemical Physics, the Chinese Academy of Sciences, Dalian 116023, PR China

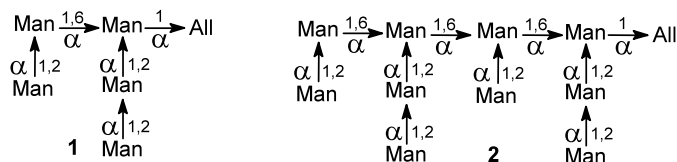


First syntheses of D-mannose penta- and decasaccharides, the repeating unit and its dimer of the cell-wall mannan of *Candida kefyr* IFO 0586

Tetrahedron: Asymmetry 14 (2003) 1275

Ying Xing and Jun Ning*

Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, PO Box 2871, Beijing 100085, PR China

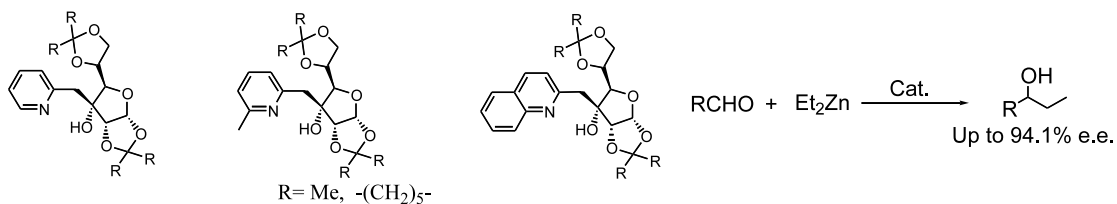


Readily available new pyridyl alcohols derived from D-glucose as ligands for the enantioselective addition of diethylzinc to aldehydes

Tetrahedron: Asymmetry 14 (2003) 1285

Hanmin Huang, Zhuo Zheng,* Huilin Chen,* Changmin Bai and Junwei Wang

Dalian Institute of Chemical Physics, The Chinese Academy of Sciences, Dalian 116023, PR China

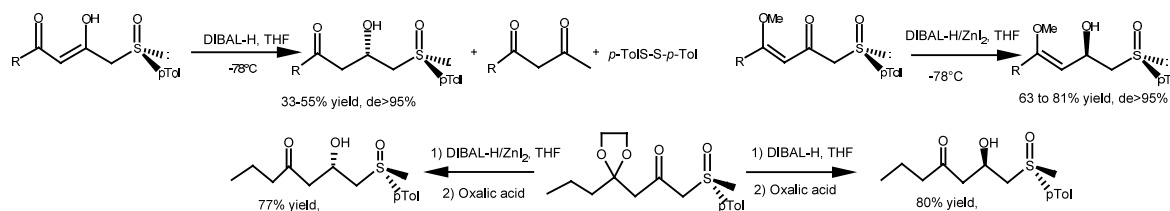


New insights into the reduction of β,δ -diketo-sulfoxides

Tetrahedron: Asymmetry 14 (2003) 1291

Gilles Hanquet, Xavier J. Salom-Roig, Laurence Gressot-Kempf, Steve Lanners and Guy Solladié*

Laboratoire de Stéréochimie associé au CNRS, ECPM, Université Louis Pasteur, 25 rue Becquerel, 67087 Strasbourg, France

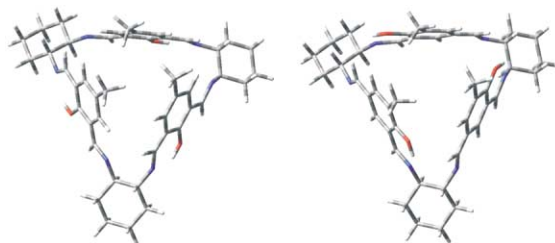


Chiral calixsalen-type macrocycles from *trans*-1,2-diaminocyclohexane

Tetrahedron: Asymmetry 14 (2003) 1303

M. Kwit and J. Gawronski*

Department of Chemistry, A. Mickiewicz University, 60 780 Poznan, Poland

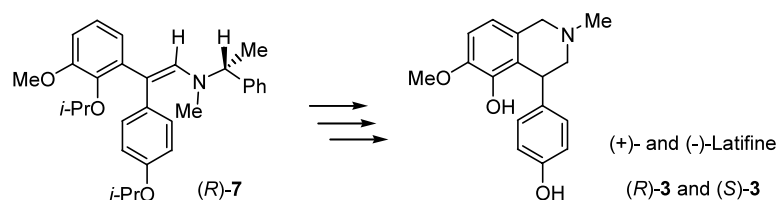


Asymmetric synthesis of (+)- and (-)-latifine

Tetrahedron: Asymmetry 14 (2003) 1309

Axel Couture,* Eric Deniau, Pierre Grandclaude and Stéphane Lebrun

Laboratoire de Chimie Organique Physique, UMR 8009, Université des Sciences et Technologies de Lille, Bâtiment C3(2), F-59655 Villeneuve d'Ascq Cedex, France

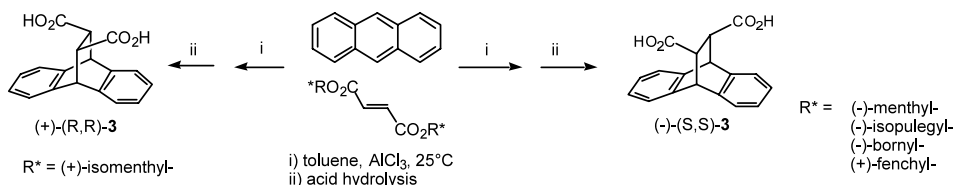


Asymmetric cycloaddition routes to both enantiomers of *trans*-9,10-dihydro-9,10-ethanoanthracene-11,12-dicarboxylic acid

Linda Thunberg and Stig Allenmark*

Department of Chemistry, Göteborg University, SE-412 96 Göteborg, Sweden

Tetrahedron: Asymmetry 14 (2003) 1317



Enzyme-catalyzed enantiomeric resolution of *N*-Boc-proline as the key-step in an expeditious route towards RAMP

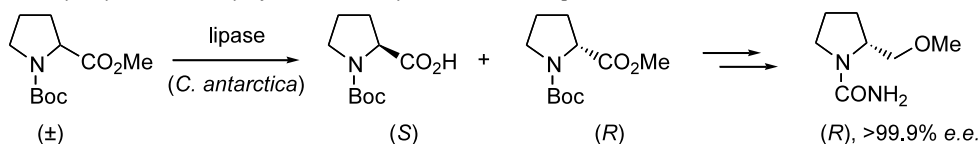
Masayuki Kurokawa,^a Takeyuki Shindo,^a Masumi Suzuki,^a
 Nobuyoshi Nakajima,^b Kohji Ishihara^c and Takeshi Sugai^{a,*}

^aDepartment of Chemistry, Keio University, Yokohama 223-8522, Japan

^bDepartment of Nutritional Science, Okayama Prefectural University, Okayama 719-1197, Japan

^cDepartment of Chemistry, Kyoto University of Education, Kyoto 612-8522, Japan

Tetrahedron: Asymmetry 14 (2003) 1323

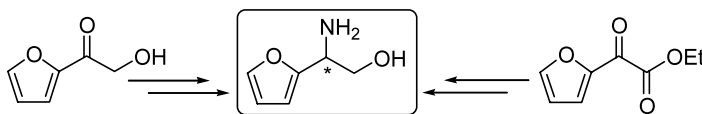


Enantioselective synthesis of both enantiomers of 2-amino-(2-furyl)ethan-1-ol as a flexible building block for the preparation of serine and azasugars

Ayhan S. Demir,* Özge Sesenoglu, Hilal Aksoy-Cam, Handan Kaya and Kenan Aydoğan

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

Tetrahedron: Asymmetry 14 (2003) 1335



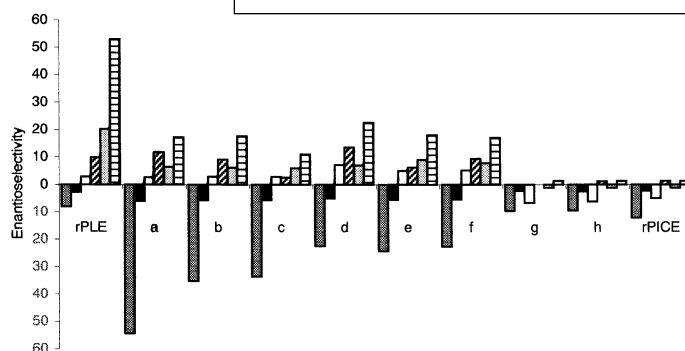
Site directed mutagenesis of recombinant pig liver esterase yields mutants with altered enantioselectivity

Anna Musidlowska-Persson and
 Uwe T. Bornscheuer*

Institute of Chemistry and Biochemistry, Department of
 Technical Chemistry and Biotechnology, Greifswald
 University, Soldmannstraße 16, D-17487 Greifswald,
 Germany

Nine variants of recombinant pig liver esterase (rPLE) were produced (PLE-PICEa-h, rPICE) and their enantioselectivity towards a series of acetates of secondary alcohols was studied. This resulted in significant differences in enantioselectivity (up to 6-fold) and enantiopreference.

Tetrahedron: Asymmetry 14 (2003) 1341

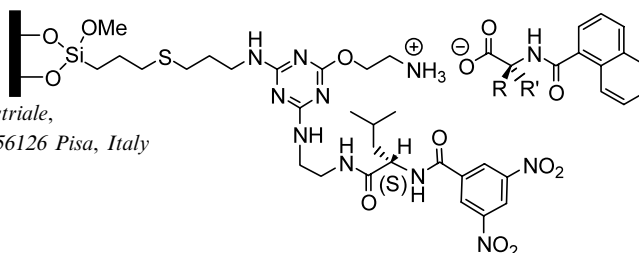


The *s*-triazine moiety as a scaffold for connecting different chiral auxiliaries: synthesis of new biselecter CSPs for enantioselective chromatography

Tetrahedron: Asymmetry 14 (2003) 1345

Anna Iuliano, Cristina Lecci
and Piero Salvadori*

Dipartimento di Chimica e Chimica Industriale,
Università di Pisa, via Risorgimento 35, 56126 Pisa, Italy



R = Ph, R' = H **CSP 1a**
R = H, R' = Ph **CSP 1b**

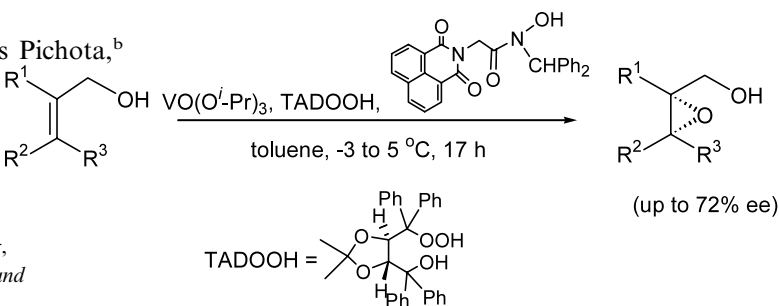
Control of enantioselectivity through a hydrogen-bonded template in the vanadium(V)-catalyzed epoxidation of allylic alcohols by optically active hydroperoxides

Tetrahedron: Asymmetry 14 (2003) 1355

Waldemar Adam,^a Albert K. Beck,^b Arkadiusz Pichota,^b
Chantu R. Saha-Möllér,^a Dieter Seebach,^b
Nadine Vogl^{a,*} and Rui Zhang^a

^aInstitute of Organic Chemistry, University of Würzburg,
Am Hubland, D-97074 Würzburg, Germany

^bLaboratorium für Organische Chemie,
Eidgenössische Technische Hochschule, ETH Hönggerberg,
HCL, Wolfgang-Pauli Str. 10, CH-8093 Zürich, Switzerland



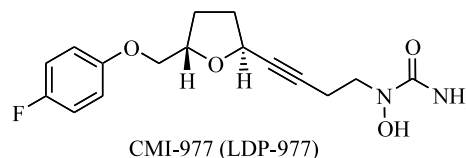
A novel and simple asymmetric synthesis of CMI-977 (LDP-977): a potent anti-asthmatic drug lead

Tetrahedron: Asymmetry 14 (2003) 1363

Mukund K. Gurjar,^{a,*} A. M. S. Murugaiah,^a P. Radhakrishna,^a
C. V. Ramana^a and Mukund S. Chorghade^b

^aNational Chemical Laboratory, Pune 411 008, India

^bChorghade Enterprise, 14, Carlson Circle, Natick, MA 01760, USA



Enantioselective gram scale synthesis of CMI-977 has been described using the tandem sequence of α -chloroepoxide fragmentation and intramolecular nucleophilic substitution as the key step. Combinations of Jacobsen's hydrolytic kinetic resolution and Sharpless asymmetric epoxidation were explored on the way to achieve the key intermediate.

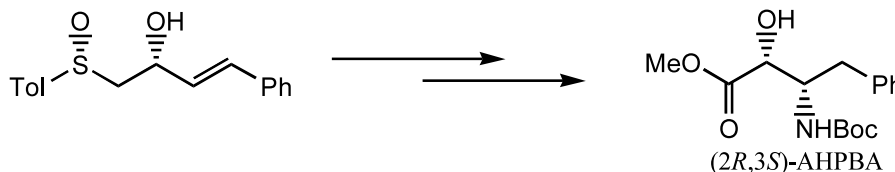
Sulfinyl moiety as an internal nucleophile. Part 6: Stereospecific synthesis of 3-amino-2-hydroxy-4-phenylbutanoate

Tetrahedron: Asymmetry 14 (2003) 1371

Sadagopan Raghavan* and M. Abdul Rasheed

Organic Division I, Indian Institute of Chemical Technology, Hyderabad 500 007, India

A novel and stereospecific synthesis of (2*R*,3*S*)-AHPBA is disclosed.



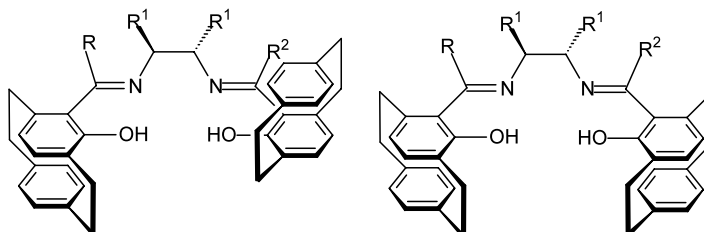
A new family of planar-chiral symmetric and unsymmetric salens based on the [2.2]paracyclophane skeleton

Tetrahedron: Asymmetry 14 (2003) 1375

Tat'yana I. Danilova,^a Valeria I. Rozenberg,^{a,*} Evgenii V. Vorontsov,^a Zoya A. Starikova^a and Henning Hopf^{b,*}

^aA. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Science, Vavilova 28, 119991 Moscow, Russia

^bInstitute of Organic Chemistry, Technical University of Braunschweig, Hagenring 30, D-38106 Braunschweig, Germany

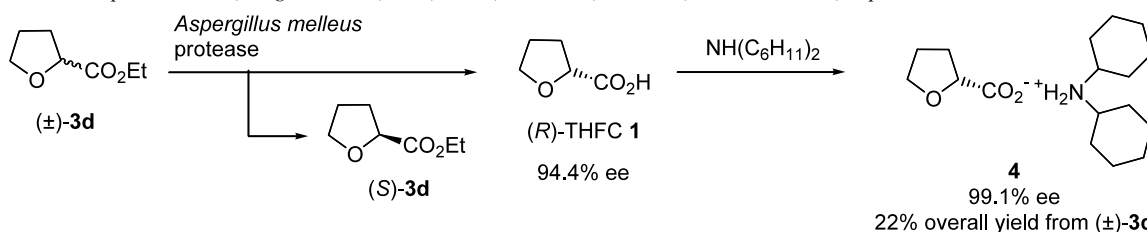


A scalable chemoenzymatic preparation of (*R*)-tetrahydrofuran-2-carboxylic acid

Tetrahedron: Asymmetry 14 (2003) 1385

Yoshito Fujima, Yoshihiro Hirayama, Masaya Ikunaka* and Yukifumi Nishimoto

Research and Development Center, Nagase & Co., Ltd., 2-2-3, Murotani, Nishi-ku, Kobe 651-2241, Japan

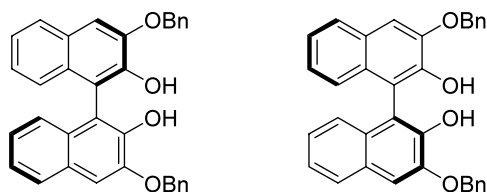


Convenient synthesis and efficient resolution of 3,3'-bis(benzyloxy)-1,1'-binaphthalene-2,2'-diol

Tetrahedron: Asymmetry 14 (2003) 1393

Kazunori Tsubaki,* Hiroshi Morikawa, Hiroyuki Tanaka and Kaoru Fuji*

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan



Highly enantioselective hydrogenation of α,β -unsaturated phosphonates with iridium-phosphinooxazoline complex: synthesis of a phosphorus analogue of naproxen

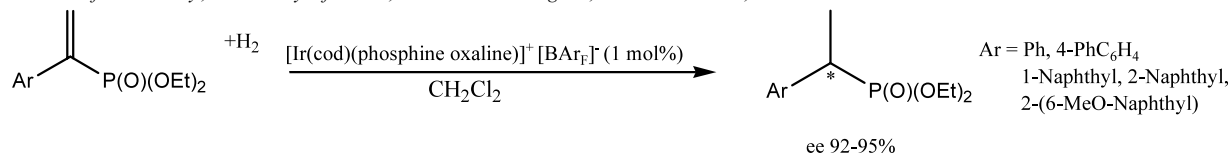
Tetrahedron: Asymmetry 14 (2003) 1397

Natalia S. Goulioukina,^a Tat'yana M. Dolgina,^a Grigorii N. Bondarenko,^a Irina P. Beletskaya,^{a,*} Mikhail M. Ilyin,^b Vadim A. Davankov^b and Andreas Pfaltz^{c,*}

^aDepartment of Chemistry, Moscow State University, Leninskie Gory, GSP-2, 119992 Moscow, Russia

^bN. Nesmeyanov Institute of Organoelement Compounds of the Russian Academy of Sciences, Vavilov St. 28, 117813 Moscow, Russia

^cDepartment of Chemistry, University of Basel, St. Johanns-Ring 19, CH-4056 Basel, Switzerland



Asymmetric synthesis of (-)-deoxoprosophylline

Tetrahedron: Asymmetry 14 (2003) 1403

Nan Ma^a and Dawei Ma^{b,*}

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