

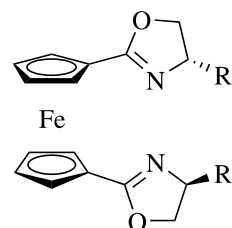
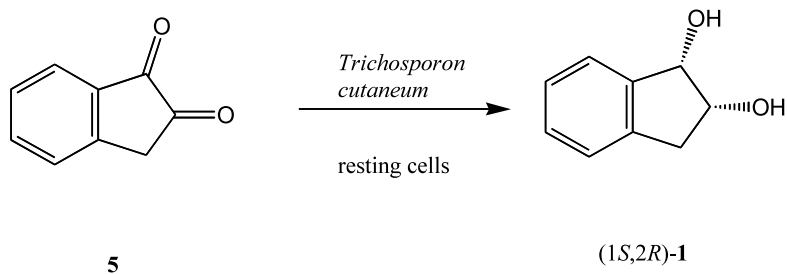
Planar chiral 2-ferrocenyloxazolines and 1,1'-bis(oxazolinyl)-ferrocenes—syntheses and applications in asymmetric catalysis

Oliver B. Sutcliffe and Martin R. Bryce*

Department of Chemistry, University of Durham, South Road, Durham DH1 3LE, UK

This report reviews the literature for the period 1994–2002, inclusive, on the synthesis and reactivity of planar chiral 2-ferrocenyloxazolines and 1,1'-bis(oxazolinyl)ferrocenes.

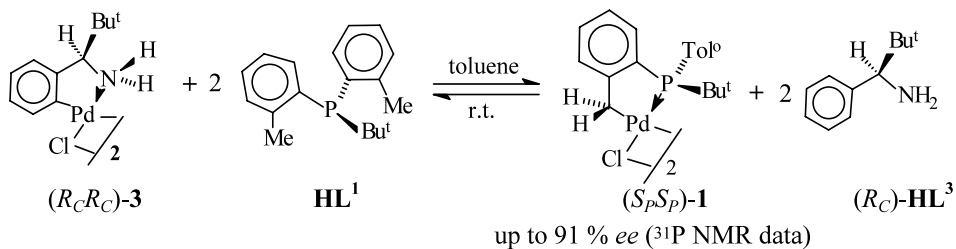
Tetrahedron: Asymmetry 14 (2003) 2297

**Homochiral (1*S*,2*R*)-1,2-indandiol from asymmetric reduction of 1,2-indanedione by resting cells of the yeast *Trichosporon cutaneum***Gelson J. Andrade Conceição,
Paulo J. S. Moran and
J. Augusto R. Rodrigues*Universidade Estadual de Campinas,
Instituto de Química, CP 6154,
13083-970, Campinas-SP, Brazil

Tetrahedron: Asymmetry 14 (2003) 2327

70-75% yield
>99% ee**Asymmetric exchange of cyclopalladated ligands with a high level of asymmetric induction: a new route to optically active phosphapalladacycles**

Valery V. Dunina,* Elena D. Razmyslova, Ol'ga N. Gorunova, Michail V. Livantsov and Yuri K. Grishin

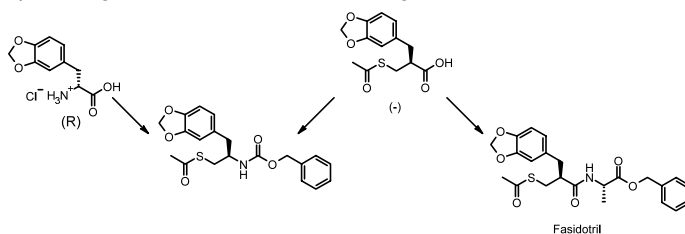
Department of Chemistry,
M.V. Lomonosov Moscow
State University, Lenin Hills,
119992, V-234, Moscow, Russia

Tetrahedron: Asymmetry 14 (2003) 2331

up to 91 % ee (³¹P NMR data)**Determination of the absolute configuration of Fasidotril, a potent dual ACE/NEP inhibitor**

V. Grosset, D. Danvy and M. Capet*

Bioprojet-Biotech, 4 rue du Chesnay Beauregard, BP95206, 35762 Saint Grégoire Cedex, France



Tetrahedron: Asymmetry 14 (2003) 2335

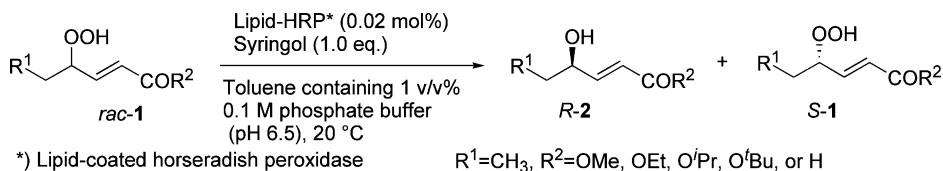
Fasidotril

Enantioselective reduction of γ -hydroperoxy- α,β -unsaturated carbonyl compounds catalyzed by lipid-coated peroxidase in organic solvents

Tetrahedron: Asymmetry 14 (2003) 2339

Hidetaka Nagatomo, Yoh-ichi Matsushita,* Kazuhiro Sugamoto and Takanao Matsui

Faculty of Engineering, Miyazaki University, Gakuen-Kibanadai-Nishi, Miyazaki 889-2155, Japan

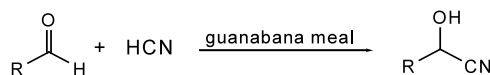


Evaluation of guanabana (*Annona muricata*) seed meal as a source of (*S*)-oxynitrilase

Tetrahedron: Asymmetry 14 (2003) 2351

Aida Solís,* Héctor Luna, Herminia I. Pérez and Norberto Manjarrez

Departamento Sistemas Biológicos, Universidad Autónoma Metropolitana, Unidad Xochimilco, Calz. del Hueso No. 1100, Col. Villa Quietud, Coyoacán, C.P. 04960, Mexico, D.F., Mexico



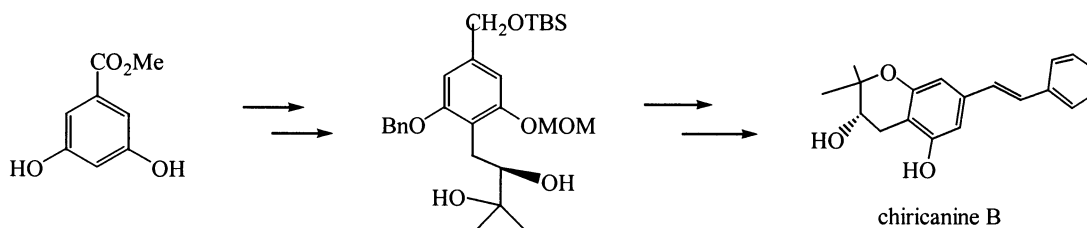
R = 2-furyl, phenyl, 4-bromophenyl, 4-chlorophenyl, 2-phenylethenyl, isobutyl, isopropyl

Enantioselective total synthesis of chiricanine B

Tetrahedron: Asymmetry 14 (2003) 2355

Ying Li,* Yang Hu, Zhixiang Xie and Xuesong Chen

State Key Laboratory of Applied Organic Chemistry and Institute of Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China

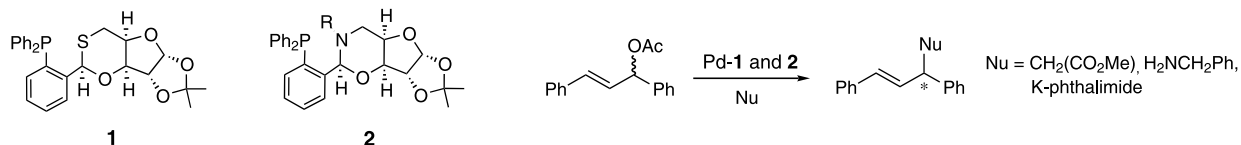


Novel chiral xylofuranose-based phosphinoxathiane and phosphinoxazinane ligands for palladium-catalyzed asymmetric allylations

Tetrahedron: Asymmetry 14 (2003) 2361

Hiroto Nakano,* Jun-ichi Yokoyama, Yuko Okuyama, Reiko Fujita and Hiroshi Hongo

Tohoku Pharmaceutical University, 4-4-1 Komatsushima, Aoba-ku, Sendai 981-8558, Japan



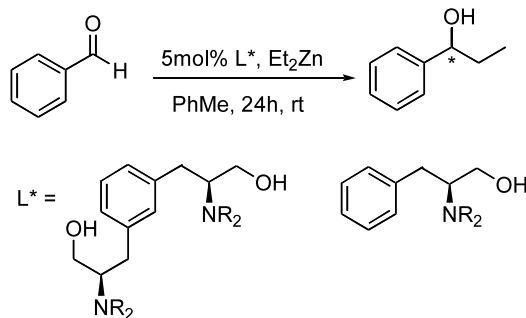
Phenylalanine derivatives as catalysts in the enantioselective addition of diethylzinc to benzaldehydes

Tetrahedron: Asymmetry 14 (2003) 2369

Ruxandra D. Ionescu,^{a,*} Anna Blom^b and Torbjörn Frejd^b

^aHahnemann Pharmacology, Drexel University, Philadelphia, PA 19102, USA

^bDepartment of Organic and Bioorganic Chemistry, Lund University, PO Box 124, 221 00 Lund, Sweden



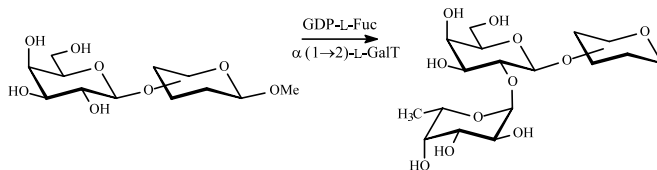
Enzymatic $\alpha(1\rightarrow2)$ -L-fucosylation: investigation of the specificity of the $\alpha(1\rightarrow2)$ -L-galactosyltransferase from *Helix pomatia*

Tetrahedron: Asymmetry 14 (2003) 2381

Angela Michelle Scheppokat,^a Minoru Morita,^a Joachim Thiem^{a,*} and Hagen Bretting^b

^aInstitut für Organische Chemie, Universität Hamburg, Martin-Luther-King-Platz 6, 21073 Hamburg, Germany

^bZoologisches Institut, Universität Hamburg, Martin-Luther-King-Platz 3, 21073 Hamburg, Germany



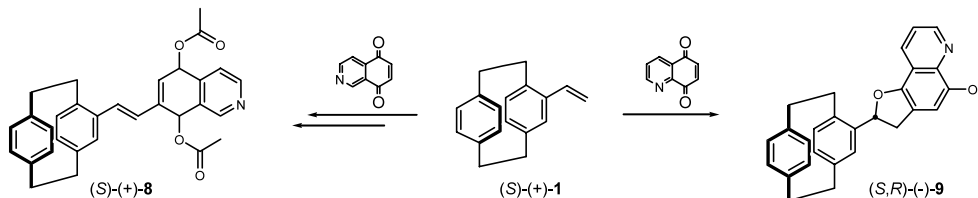
Reactions of (S)-(+)-4-ethenyl[2.2]paracyclophane with heterocyclic quinones

Tetrahedron: Asymmetry 14 (2003) 2387

Lucio Minuti,^{a,*} Aldo Taticchi,^{a,*} Daniela Lanari,^a Assunta Marrocchi^a and Eszter Gacs-Baitz^b

^aDipartimento di Chimera, Università degli Studi di Perugia, via Elce di Sotto 8, 06123 Perugia, Italy

^bCentral Institute for Chemistry, Hungarian Academy of Sciences, PO Box 17, 1525 Budapest, Hungary



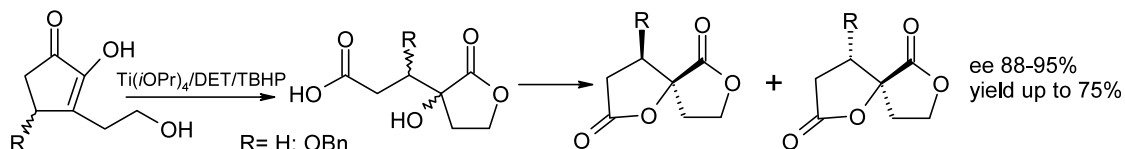
Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3: Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones: synthesis of α -hydroxy- γ -lactone acids and spiro- γ -dilactones

Tetrahedron: Asymmetry 14 (2003) 2393

Anne Paju,^a Tõnis Kanger,^a Olivia Niitsoo,^a Tõnis Pehk,^b Aleksander-Mati Müürisepp^a and Margus Lopp^{a,*}

^aDepartment of Chemistry, Tallinn Technical University, Ehitajate tee 5, Tallinn 19086, Estonia

^bNational Institute of Chemical Physics and Biophysics, Akadeemia tee 23, Tallinn 12618, Estonia

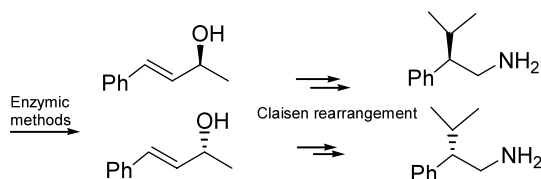


Enantioselective synthesis of benzylic stereocentres via Claisen rearrangement of enantiomerically pure allylic alcohols: preparation of (*R*)- and (*S*)-3-methyl-2-phenylbutylamine

Tetrahedron: Asymmetry 14 (2003) 2401

Elisabetta Brenna,* Claudio Fuganti, Francesco G. Gatti, Massimo Passoni and Stefano Serra

Dipartimento di Chimica, Materiali ed Ingegneria Chimica del Politecnico, Istituto CNR per la Chimica del Riconoscimento Molecolare, Via Mancinelli 7, I-20131 Milano, Italy

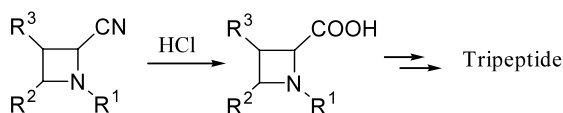


Synthesis of enantiopure azetidine 2-carboxylic acids and their incorporation into peptides

Tetrahedron: Asymmetry 14 (2003) 2407

François Couty,* Gwilherm Evano and Nicolas Rabasso

SIRCOB, UMR CNRS 8086, Université de Versailles, 45, avenue des Etats-Unis, 78035, Versailles Cedex, France



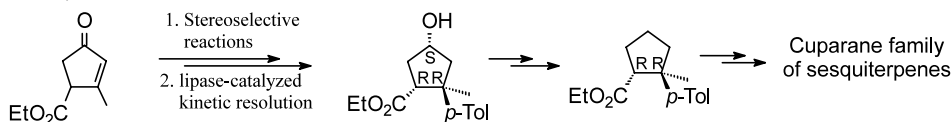
Use of lipase-catalyzed kinetic resolution for the enantioselective approach toward sesquiterpenes containing quaternary centers: the cuparane family

Tetrahedron: Asymmetry 14 (2003) 2413

Samir Acherar,^a Gérard Audran,^a Nicolas Vanthuylne^b and Honoré Monti^{a,*}

^a*Laboratoire de Réactivité Organique Sélective, U.M.R. 6516, Faculté des Sciences et Techniques de S^t Jérôme, 13397 Marseille cedex 20, France*

^b*Laboratoire de Stéréochimie Dynamique et Chiralité (ENSSPICAM), U.M.R. 6516, Faculté des Sciences et Techniques de S^t Jérôme, 13397 Marseille cedex 20, France*



Enantioselective synthesis of *N,O*-psiconucleosides

Tetrahedron: Asymmetry 14 (2003) 2419

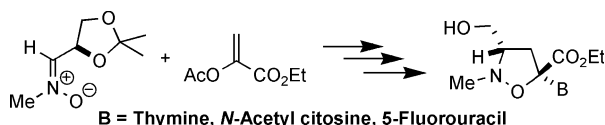
Ugo Chiacchio,^{a,*} Luisa Borrello,^a Daniela Iannazzo,^b Pedro Merino,^{c,*}

Anna Piperno,^b Antonio Rescifina,^a Barbara Richichi^b and Giovanni Romeo^{b,*}

^a*Dipartimento di Scienze Chimiche, Università di Catania, Viale Andrea Doria 6, Catania 95125, Italy*

^b*Dipartimento Farmaco-Chimico, Università di Messina, Viale SS. Annunziata, Messina 98168, Italy*

^c*Departamento de Química Orgánica, Facultad de Ciencias, ICMA, Universidad de Zaragoza, Zaragoza E-50009, Spain*

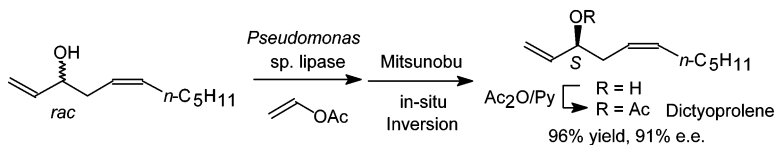


Chemo-enzymatic enantio-convergent asymmetric total synthesis of (*S*)-(+)-dictyoprolene using a kinetic resolution—stereoinversion protocol

Tetrahedron: Asymmetry 14 (2003) 2427

Andreas Wallner, Harald Mang, Silvia M. Glueck, Andreas Steinreiber, Sandra F. Mayer and Kurt Faber*

Department of Chemistry, Organic & Bioorganic Chemistry, University of Graz, Heinrichstrasse 28, A-8010 Graz, Austria

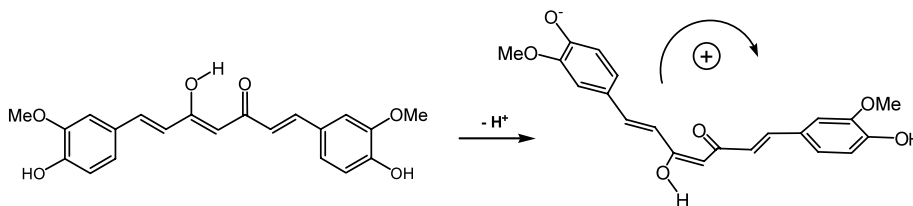


Molecular basis of the Cotton effects induced by the binding of curcumin to human serum albumin

Tetrahedron: Asymmetry 14 (2003) 2433

Ferenc Zsila,* Zsolt Bikádi and Miklós Simonyi

Department of Molecular Pharmacology, Institute of Chemistry, Chemical Research Center, POB 17, H-1525 Budapest, Hungary

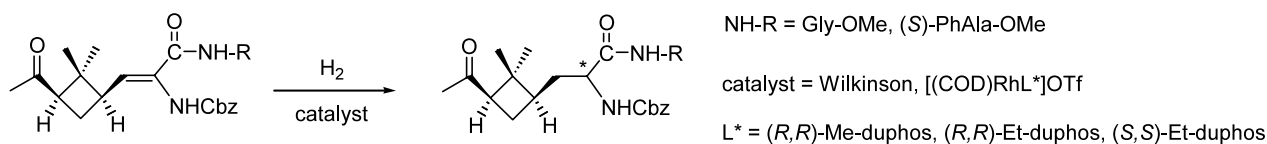


Synthesis and diastereoselective catalytic hydrogenation of optically active cyclobutyl α,β -dehydro- α -dipeptides

Tetrahedron: Asymmetry 14 (2003) 2445

Gemma P. Aguado, Albertina G. Moglioni, Beatriz N. Brousse and Rosa M. Ortuño*

Departament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain

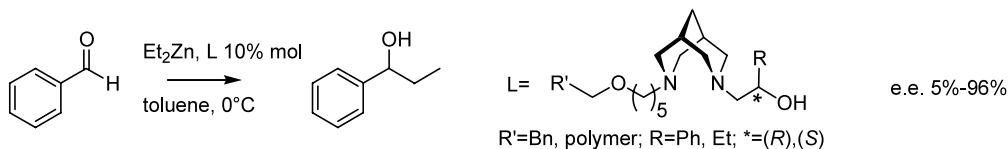


New solution free and polymer anchored chiral bispidine-based amino alcohols. Synthesis and screening for the enantioselective addition of diethylzinc to benzaldehyde

Tetrahedron: Asymmetry 14 (2003) 2453

Giordano Lesma,* Bruno Danieli, Daniele Passarella, Alessandro Sacchetti and Alessandra Silvani*

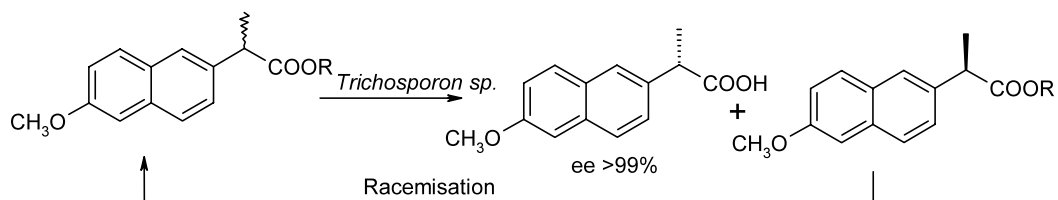
Dipartimento di Chimica Organica e Industriale e Centro Interdisciplinare Studi biomolecolari e applicazioni Industriali (CISI), Università degli Studi di Milano, via G. Venezian 21, 20133 Milano, Italy



Enzymatic resolution of naproxen

Surrinder Koul, Rajinder Parshad, Subhash C. Taneja* and Ghulam N. Qazi

Biotechnology Division, Regional Research Laboratory, Canal Road, Jammu-Tawi 180001, India



Tetrahedron: Asymmetry 14 (2003) 2459

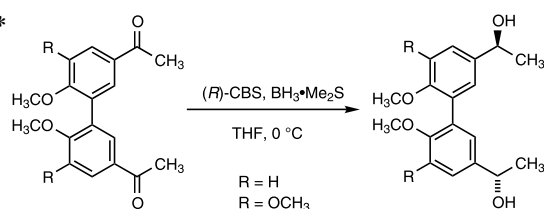
Stereoselective oxazaborolidine–borane reduction of biphenyl alkyl diketones–lignin models: enantiopure dehydrodiapocynol derivatives

Giovanna Delogu,^{a,*} Maria Antonietta Dettori,^a Angela Patti,^{b,*} Sonia Pedotti,^b Alessandra Forni^c and Gianluigi Casalone^c

^aIstituto di Chimica Biomolecolare del CNR–Sez. di Sassari, Traversa la Crucca 3, regione Balduca, Li Punti, I-07040 Sassari, Italy

^bIstituto di Chimica Biomolecolare del CNR–Sez. di Catania, Via del Santuario 110, I-95028 Valverde CT, Italy

^cIstituto di Scienze e Tecnologie Molecolari del CNR, Via Golgi 19, I-20133 Milano, Italy



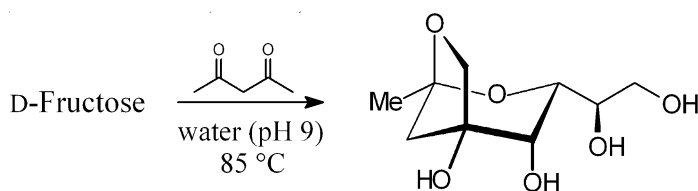
Asymmetric reduction of two conformationally flexible biphenyl alkyl diketones was successfully carried out using (R)-CBS-borane system to give the corresponding enantiopure diols with high diastereomeric ratio. Absolute configuration of the obtained diols was assigned as (S,S) by crystallographic analysis

Tetrahedron: Asymmetry 14 (2003) 2467

A 2-C-fructosyl-propanone locked in a 2,7-dioxabicyclo[3.2.1]-octane framework

Siegfried Peters, Frieder W. Lichtenhaler* and Hans J. Lindner

Clemens-Schöpf-Institut für Organische Chemie und Biochemie, Technische Universität Darmstadt, Petersenstraße 22, D-64287 Darmstadt, Germany



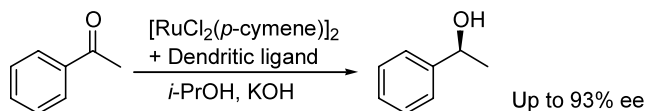
Tetrahedron: Asymmetry 14 (2003) 2475

Dendritic catalysts for asymmetric transfer hydrogenation based (1S,2R)-norephedrine derived ligands

Pei Nian Liu,^a Ying Chun Chen,^b Xue Qiang Li,^a Yong Qiang Tu^{a,*} and Jin Gen Deng^{b,*}

^aDepartment of Chemistry & State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China

^bUnion Laboratory of Asymmetric Synthesis, Chengdu Institute of Organic Chemistry, the Chinese Academy of Science, Chengdu 610041, PR China



Tetrahedron: Asymmetry 14 (2003) 2481