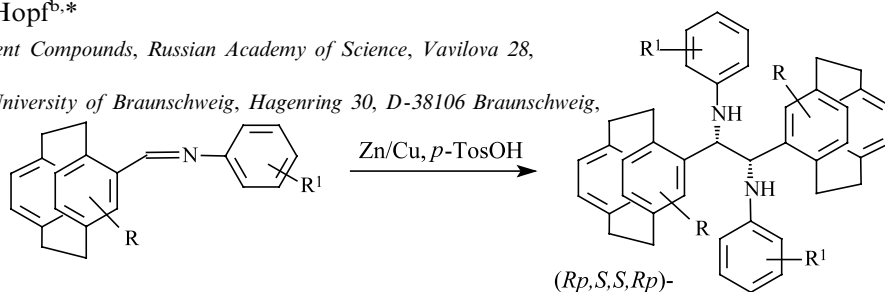
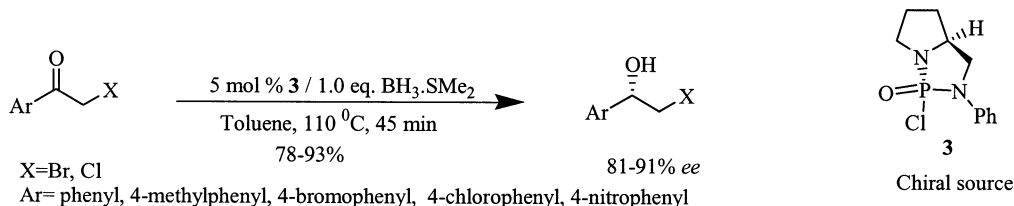


**First stereoselective pinacol coupling in the [2.2]paracyclophane series***Tetrahedron: Asymmetry 13 (2002) 1121*Elena V. Sergeeva,<sup>a</sup> Valeria I. Rozenberg,<sup>a,\*</sup> Dmitrii Yu. Antonov,<sup>a</sup> Evgenii V. Vorontsov,<sup>a</sup> Zoya A. Starikova<sup>a</sup> and Henning Hopf<sup>b,\*</sup><sup>a</sup>A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Science, Vavilova 28, 119991 Moscow, Russia<sup>b</sup>Institute of Organic Chemistry, Technical University of Braunschweig, Hagenring 30, D-38106 Braunschweig, Germany**(2*S*,5*S*)-1,3-Diaza-2-phospha-2-oxo-2-chloro-3-phenylbicyclo[3.3.0]octane: a novel chiral source for borane-mediated catalytic chiral reductions***Tetrahedron: Asymmetry 13 (2002) 1125*

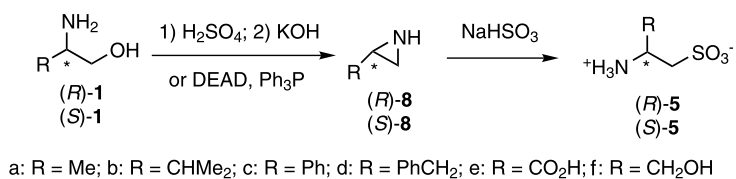
Deevi Basavaiah,\* Gone Jayapal Reddy and Vanampally Chandrashekar

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

**A new and expeditious asymmetric synthesis of (*R*)- and (*S*)-2-aminoalkanesulfonic acids from chiral amino alcohols***Tetrahedron: Asymmetry 13 (2002) 1129*

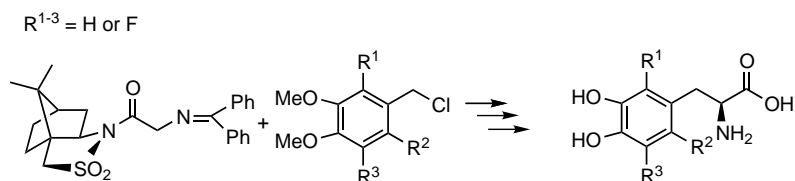
Jiaxi Xu

Key Laboratory of Bioorganic Chemistry and Molecular Engineering of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, PR China

**Convenient syntheses of 2-, 5- and 6-fluoro- and 2,6-difluoro-L-DOPA***Tetrahedron: Asymmetry 13 (2002) 1135*

Wei-Ping Deng, Kelli A. Wong and Kenneth L. Kirk\*

Laboratory of Bioorganic Chemistry, National Institute of Diabetes, and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD 20892, USA



## Synthesis and studies of 6,6'-BINAP derivatives for the heterogeneous asymmetric hydrogenation of methyl acetoacetate

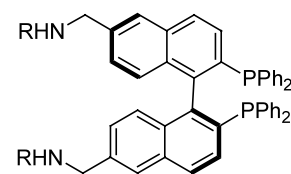
*Tetrahedron: Asymmetry* 13 (2002) 1141

Christine Saluzzo,<sup>a</sup> Thierry Lamouille,<sup>a</sup> Frédéric Le Guyader<sup>b</sup> and Marc Lemaire<sup>a,\*</sup>

<sup>a</sup>Laboratoire de Catalyse et Synthèse Organique, UMR 5622, Université Claude Bernard, CPE, 43 Bd. du 11 Novembre 1918, 69622 Villeurbanne Cedex, France

<sup>b</sup>Rhodia, CR de Lyon, 85 av. des Frères Perret, 69192 Saint-Fons Cedex, France

Different types of heterogenized catalysts derive from 6,6'-diaminoBINAP were investigated in asymmetric reactions. Hydrogenation of ethyl acetoacetate was performed with polyamide, polyureas or ureas BINAP derivatives as ligands. Attempts at catalyst recycling are reported.



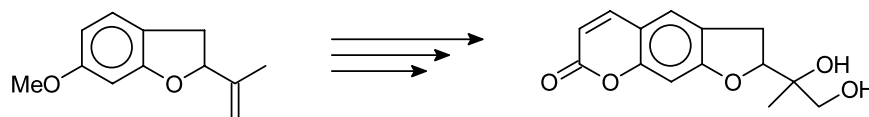
## Synthesis and absolute configuration of the four possible stereoisomers of prandiol

*Tetrahedron: Asymmetry* 13 (2002) 1147

Ricardo Tovar-Miranda,<sup>a</sup> Raúl Cortés-García<sup>a</sup> and Pedro Joseph-Nathan<sup>b,\*</sup>

<sup>a</sup>Instituto de Ciencias Básicas, Universidad Veracruzana, Apartado Postal 575, Xalapa, Ver. 91000, Mexico

<sup>b</sup>Departamento de Química, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Apartado 14-740, Mexico, D.F. 07000, Mexico

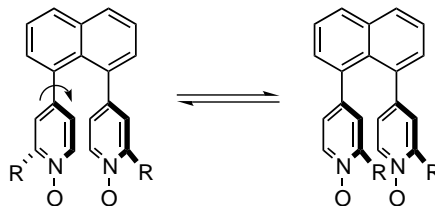


## Dynamic stereochemistry of 1,8-bis(2,2'-disubstituted-4,4'-dipyridyl)naphthalenes and their N,N'-dioxide derivatives

*Tetrahedron: Asymmetry* 13 (2002) 1153

Christian Wolf\* and Bereket T. Ghebremariam

Department of Chemistry, Georgetown University, Washington, DC 20057, USA



## Stereoselective Mannich reaction of camphor titanium enolate

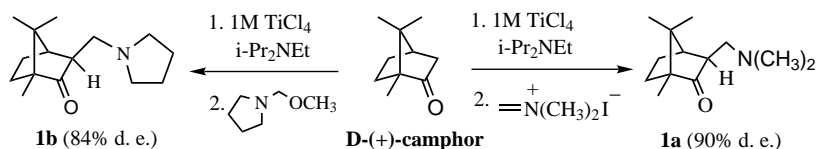
*Tetrahedron: Asymmetry* 13 (2002) 1157

Sergio Pinheiro,<sup>a,\*</sup> Sandro J. Greco,<sup>a</sup> Leandro S. Veiga,<sup>a</sup>

Florence M. C. de Farias<sup>a</sup> and Paulo R. R. Costa<sup>b</sup>

<sup>a</sup>LASA, Instituto de Química, Universidade Federal Fluminense, CEG, Centro, 24210-150 Niterói, RJ, Brazil

<sup>b</sup>LQB, Núcleo de Pesquisas de Produtos Naturais, Universidade Federal do Rio de Janeiro, CCS, 21941-590 Rio de Janeiro, RJ, Brazil

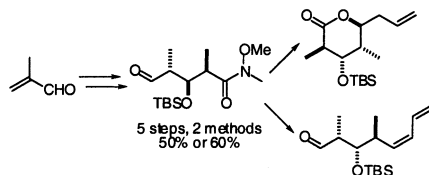


**Convenient syntheses of (2*R*,3*S*,4*R*)-3-(*tert*-butyldimethylsilyloxy)-2,4-dimethyl-5-oxopentanoic acid methoxymethylamide from methacrolein. Preparation of C1–C7 and C17–C24 fragments of (+)-discodermolide**

*Tetrahedron: Asymmetry* 13 (2002) 1161

Billy W. Day,\* Cyrus O. Kangani and Kwasi S. Avor

Department of Pharmaceutical Sciences, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA 15261, USA



**Absolute configurations of 2-methoxy-2-(1-naphthyl)propionic acid and 2-methoxy-2-(2-naphthyl)propionic acid as determined by the phenylglycine methyl ester (PGME) method**

*Tetrahedron: Asymmetry* 13 (2002) 1167

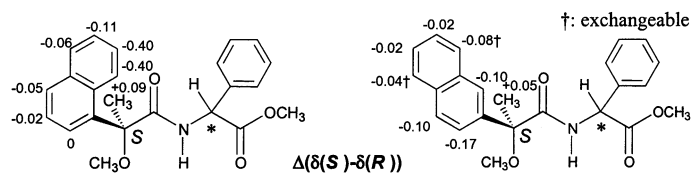
Akio Ichikawa,<sup>a,\*</sup> Hiroshi Ono,<sup>b</sup> Syuntaro Hiradate,<sup>c</sup> Masataka Watanabe<sup>d</sup> and Nobuyuki Harada<sup>d,\*</sup>

<sup>a</sup>National Institute of Agrobiological Sciences, 1-2 Oiwashi Tsukuba, Ibaraki 305-8634, Japan

<sup>b</sup>National Food Research Institute, 2-1-12 Kannondai Tsukuba, Ibaraki 305-8642, Japan

<sup>c</sup>National Institute for Agro-Environmental Sciences, 3-1-3 Kannondai Tsukuba, Ibaraki 305-8604, Japan

<sup>d</sup>Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, 2-1-1 Katahira, Aoba, Sendai 980-8577, Japan



**Enzymatic resolution of the 1,3,3-trimethyl-2-oxabicyclo[2.2.2]-octane (1,8-cineole) system**

*Tetrahedron: Asymmetry* 13 (2002) 1173

Frederick A. Luzzio\* and Damien Y. Duveau

Department of Chemistry, University of Louisville, 2320 South Brook Street, Louisville, KY 40292, USA

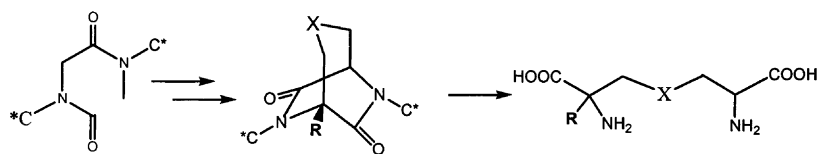


**Stereoselective synthesis of bis(α-amino acid) derivatives isosteric with cysteine. Part 4**

*Tetrahedron: Asymmetry* 13 (2002) 1181

Federico Ferioli, Fabio Piccinelli, Gianni Porzi\* and Sergio Sandri\*

Dipartimento di Chimica 'G. Ciamician', Università di Bologna, Via Selmi 2, 40126 Bologna, Italy



C\* = (*S*)-phenylethylethyl; X = -(CH<sub>2</sub>)<sub>2</sub>-, *ortho*-C<sub>6</sub>H<sub>4</sub>; R = alkyl

(enantiomerically pure)

## Improved and alternative synthesis of D- and L-cyclopentenone derivatives, the versatile intermediates for the synthesis of carbocyclic nucleosides

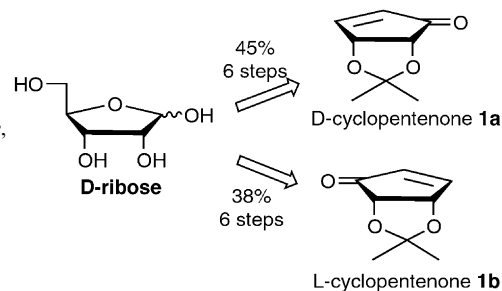
Hyung Ryong Moon,<sup>a</sup> Won Jun Choi,<sup>a</sup> Hea Ok Kim<sup>b</sup> and Lak Shin Jeong<sup>a,\*</sup>

<sup>a</sup>Laboratory of Medicinal Chemistry, College of Pharmacy, Ewha Womans University, Seoul 120-750, South Korea

<sup>b</sup>Division of Chemistry and Molecular Engineering, Seoul National University, Seoul 151-742, South Korea

Improved and alternative syntheses of D- and L-cyclopentenone derivatives were achieved in six steps from D-ribose via ring-closing metathesis (RCM) reaction as a key step. These serve as very versatile intermediates for the synthesis of carbocyclic nucleosides.

*Tetrahedron: Asymmetry* 13 (2002) 1189



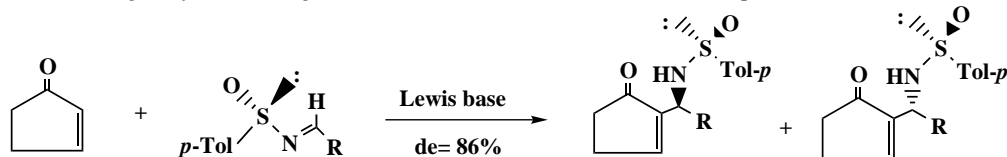
## Diastereoselective Baylis–Hillman type reactions of chiral non-racemic N-sulfinimines with cyclopent-2-en-1-one

Min Shi\* and Yong-Mei Xu

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China

In the Baylis–Hillman reaction of chiral non-racemic N-sulfinimines **1** with cyclopent-2-en-1-one, we found that, in the presence of catalytic amount of Lewis base PhPMe<sub>2</sub> (10 mol%), the diastereoselective Baylis–Hillman reaction can be achieved to give the normal Baylis–Hillman adducts **2** in good yields and high diastereoselectivities in toluene at room temperature.

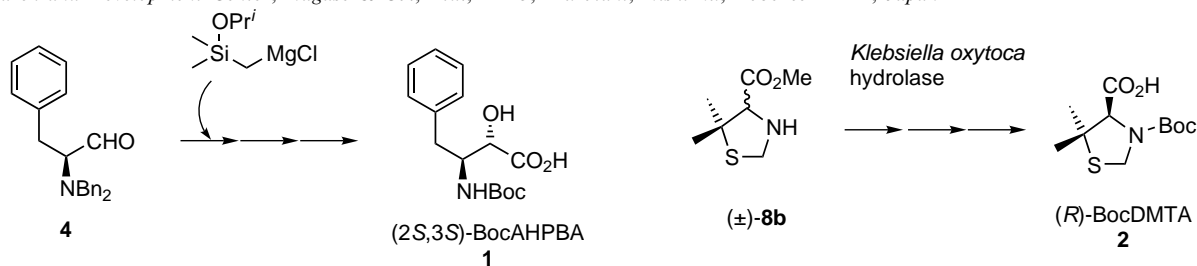
*Tetrahedron: Asymmetry* 13 (2002) 1195



## A concise synthesis of (2S,3S)-BocAHPBA and (R)-BocDMTA, chiral building blocks for peptide-mimetic HIV protease inhibitors

Masaya Ikunaka,\* Jun Matsumoto and Yukifumi Nishimoto

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

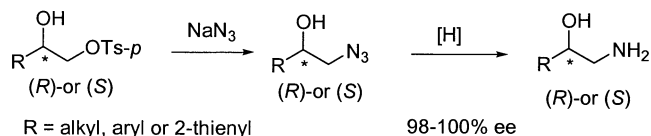


*Tetrahedron: Asymmetry* 13 (2002) 1201

## Application of optically active 1,2-diol monotosylates for synthesis of β-azido and β-amino alcohols with very high enantiomeric purity. Synthesis of enantiopure (R)-octopamine, (R)-tembamide and (R)-aegeline

Byung Tae Cho,\* Sang Kyu Kang and Sung Hye Shin

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



*Tetrahedron: Asymmetry* 13 (2002) 1209

