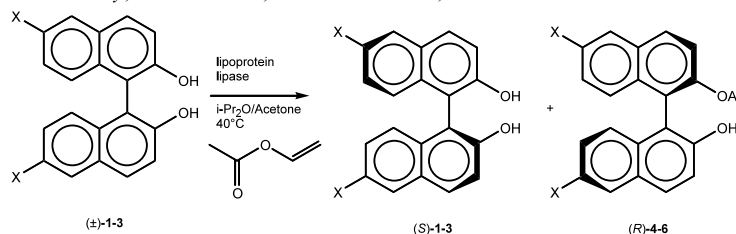
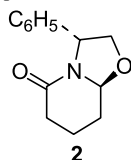


**Lipase-catalyzed stereoselective resolution and desymmetrization of binaphthols***Tetrahedron: Asymmetry 14 (2003) 289*

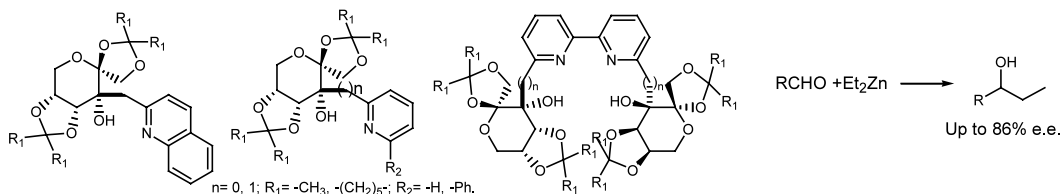
Marcela Juárez-Hernandez, Dean V. Johnson, Herbert L. Holland,\* James McNulty and Alfredo Capretta

*Department of Chemistry, Brock University, St Catharines, Ontario L2S 3A1, Canada***On the configuration of (3R,8aS)-5-oxo-3-phenyl-2,3,6,7,8,8a-hexahydro-5H-oxazolo[3,2-a]pyridine***Tetrahedron: Asymmetry 14 (2003) 293*Mercedes Amat,<sup>a,\*</sup> Núria Llor,<sup>a</sup> Carmen Escolano,<sup>a</sup> Marta Huguet,<sup>a</sup> Maria Pérez,<sup>a</sup> Elies Molins<sup>b</sup> and Joan Bosch<sup>a,\*</sup><sup>a</sup>Laboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, E-08028 Barcelona, Spain<sup>b</sup>Institut de Ciència de Materials (CSIC), Campus UAB, E-08193 Cerdanyola, Spain

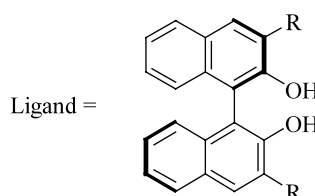
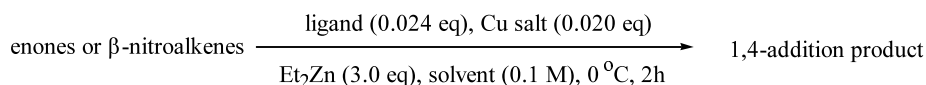
Configuration unambiguously proven by X-ray crystallography

**Structural probing of D-fructose derived ligands for asymmetric addition of diethylzinc to aldehydes***Tetrahedron: Asymmetry 14 (2003) 297*

Hanmin Huang, Huilin Chen, Xinquan Hu, Changmin Bai and Zhuo Zheng\*

*Dalian Institute of Chemical Physics, The Chinese Academy of Sciences, Dalian 116023, PR China***Stereoselective conjugate addition of diethylzinc to enones and nitroalkenes***Tetrahedron: Asymmetry 14 (2003) 305*

Jahyo Kang,\* Jae Hoon Lee and Dae Sung Lim

*Department of Chemistry, Sogang University, Seoul 121-742, South Korea*

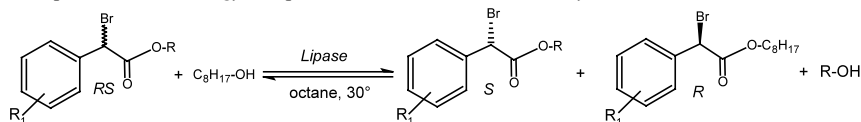
## Lipase-catalyzed enantioselective transesterification toward esters of 2-bromo-tolylacetic acids

*Tetrahedron: Asymmetry 14 (2003) 317*

David Guieysse,<sup>a</sup> Christophe Salagnad,<sup>b</sup> Pierre Monsan<sup>a</sup> and Magali Remaud-Simeon<sup>a,\*</sup>

<sup>a</sup>Centre de Bioingénierie Gilbert Durand, Département de Génie Biochimique et Alimentaire, UMR CNRS 5504, UMR INRA 792, INSA, 135 Avenue de Rangueil, F-31077 Toulouse cedex 4, France

<sup>b</sup>Aventis Pharma, Process Development Biotechnology, 9, quai Jules Guesde, F-94400 Vitry sur Seine, France



1: R<sub>1</sub> = H, R = C<sub>2</sub>H<sub>5</sub>

2: R<sub>1</sub> = *ortho*-CH<sub>3</sub>, R = C<sub>2</sub>H<sub>5</sub>

5: R<sub>1</sub> = *ortho*-CH<sub>3</sub>, R = CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>

3: R<sub>1</sub> = *meta*-CH<sub>3</sub>, R = C<sub>2</sub>H<sub>5</sub>

6: R<sub>1</sub> = *meta*-CH<sub>3</sub>, R = CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>

4: R<sub>1</sub> = *para*-CH<sub>3</sub>, R = C<sub>2</sub>H<sub>5</sub>

7: R<sub>1</sub> = *para*-CH<sub>3</sub>, R = CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>

## Australine and related alkaloids: easy structural confirmation by <sup>13</sup>C NMR spectral data and biological activities

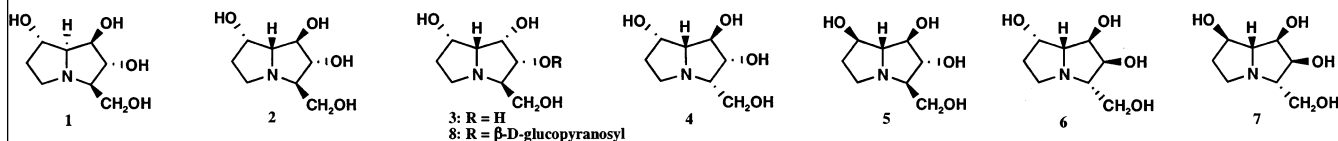
*Tetrahedron: Asymmetry 14 (2003) 325*

Atsushi Kato,<sup>a</sup> Erika Kano,<sup>a</sup> Isao Adachi,<sup>a</sup> Russell J. Molyneux,<sup>b</sup> Alison A. Watson,<sup>c</sup> Robert J. Nash,<sup>d</sup> George W. J. Fleet,<sup>e</sup> Mark R. Wormald,<sup>f</sup> Haruhisa Kizu,<sup>g</sup> Kyoko Ikeda<sup>g</sup> and Naoki Asano<sup>g,\*</sup>

<sup>a</sup>Department of Hospital Pharmacy, Toyama Medical and Pharmaceutical University, Toyama 930-0194, Japan; <sup>b</sup>Western Regional Research Center, ARS, USDA, 800 Buchanan Street, Albany, CA 94710, USA; <sup>c</sup>MolecularNature Limited, Gogerddan, Aberystwyth, Cardiganshire SY23 3EB, UK;

<sup>d</sup>Institute of Grassland and Environmental Research, Aberystwyth, Cardiganshire SY23 3EB, UK; <sup>e</sup>Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK; <sup>f</sup>Oxford Glycobiology Institute, Department of Biochemistry, South Parks Road, Oxford OX1 3QY, UK;

<sup>g</sup>Faculty of Pharmaceutical Sciences, Hokuriku University, Ho-3 Kanagawa-machi, Kanazawa 920-1181, Japan

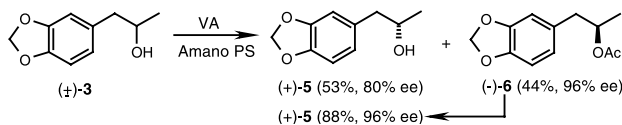


## Amano PS-catalysed enantioselective acylation of (±)-α-methyl-1,3-benzodioxole-5-ethanol: an efficient resolution of chiral intermediates of the remarkable antiepileptic drug candidate, (-)-talampanel

*Tetrahedron: Asymmetry 14 (2003) 333*

Srinivasan Easwar and Narshinha P. Argade\*

Division of Organic Chemistry (Synthesis), National Chemical Laboratory, Pune 411 008, India

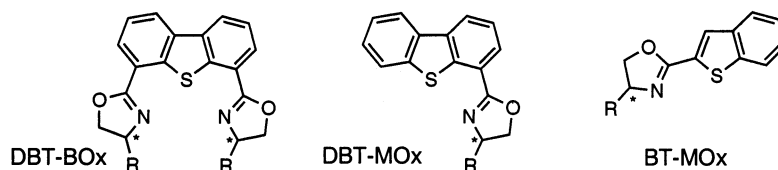


## Synthesis of new sulfur-containing oxazoline ligands and their use in palladium-catalyzed allylic substitution

*Tetrahedron: Asymmetry 14 (2003) 339*

Arnaud Voituriez and Emmanuelle Schulz\*

Laboratoire de Catalyse Moléculaire, Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, UPRESA CNRS 8075 Bât 420, 91405 Orsay cedex, France

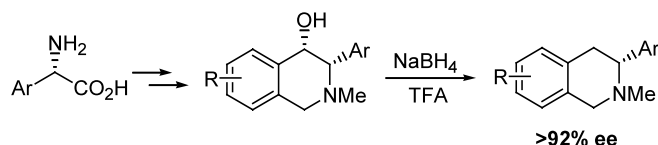


## A general procedure for the asymmetric synthesis of 3-aryl-1,2,3,4-tetrahydroisoquinolines

*Tetrahedron: Asymmetry 14 (2003) 347*

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*

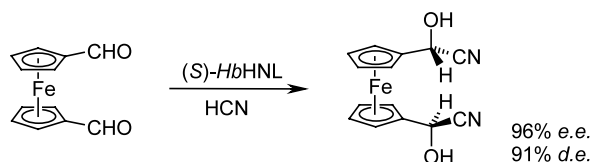


## Novel access to chiral 1,1'-disubstituted ferrocene derivatives via double stereoselective cyanohydrin synthesis exploiting the hydroxynitrile lyase from *Hevea brasiliensis*

*Tetrahedron: Asymmetry 14 (2003) 355*

Richard F. G. Fröhlich, Antonina A. Zabelinskaja-Mackova, Martin H. Fechter and Herfried Griengl\*

*Institute of Organic Chemistry, Graz University of Technology, Stremayrgasse 16, A-8010 Graz, Austria; SFB Biokatalyse Projekt Nr. F0113*



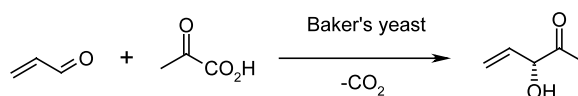
## Enantiogenic synthesis of (*R*)-(-)-3-hydroxy-1-penten-4-one

*Tetrahedron: Asymmetry 14 (2003) 363*

Toshinari H. Kurniadi,<sup>a</sup> Rachid Bel Rhlid,<sup>a</sup> Marcel A. Juillerat,<sup>a,\*</sup> Martin Schüller<sup>b</sup> and Ralf G. Berger<sup>b</sup>

<sup>a</sup>*Nestlé Research Center, Vers-chez-les-Blanc, 1000 Lausanne 26, Switzerland*

<sup>b</sup>*Universität Hannover, Wunstorfer Str. 14, 30453 Hannover, Germany*



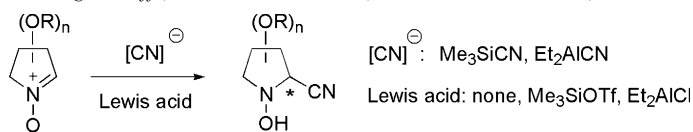
## A comparative study of the stereoselective addition of trimethylsilyl cyanide and diethylaluminum cyanide to chiral cyclic nitrones

*Tetrahedron: Asymmetry 14 (2003) 367*

Pedro Merino,<sup>a,\*</sup> Tomas Tejero,<sup>a</sup> Julia Revuelta,<sup>a</sup> Pilar Romero,<sup>a</sup> Stefano Cicchi,<sup>b</sup> Vanni Mannucci,<sup>b</sup> Alberto Brandi<sup>b</sup> and Andrea Goti<sup>b,\*</sup>

<sup>a</sup>*Departamento de Química Orgánica, ICMA, Facultad de Ciencias, Universidad de Zaragoza-CSIC, E-50009 Zaragoza, Aragon, Spain*

<sup>b</sup>*Dipartimento di Chimica Organica 'Ugo Schiff', Università di Firenze, via della Lastruccia 13, I-50019 Sesto Fiorentino, Firenze, Italy*

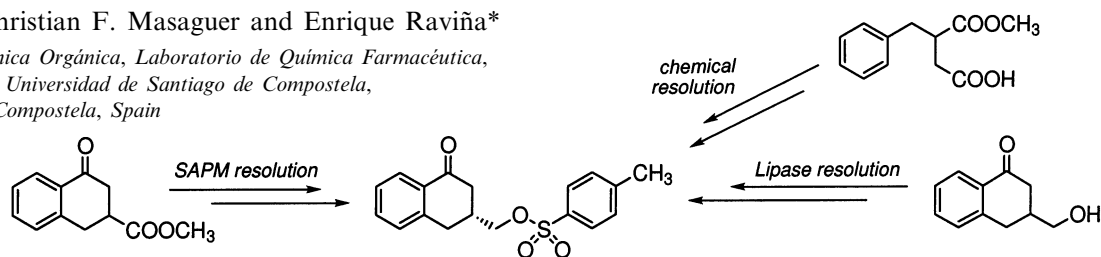


## Preparation of (*R*)-(-)- and (*S*)-(+)-3-hydroxymethyl-1-tetralone tosylates, key intermediates in the synthesis of new CNS drugs, via resolution of precursors

*Tetrahedron: Asymmetry 14 (2003) 381*

Yolanda Caro, Christian F. Masaguer and Enrique Raviña\*

Departamento de Química Orgánica, Laboratorio de Química Farmacéutica, Facultad de Farmacia, Universidad de Santiago de Compostela, E-15782 Santiago de Compostela, Spain

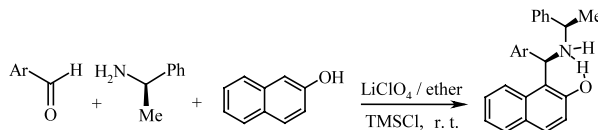


## Highly diastereoselective aminoalkylation of naphthols with chiral amines mediated by lithium perchlorate solution in diethyl ether

*Tetrahedron: Asymmetry 14 (2003) 389*

Mohammad R. Saidi\* and Najmoddin Azizi

Department of Chemistry, Sharif University of Technology, PO Box 11345-9516, Tehran, Iran

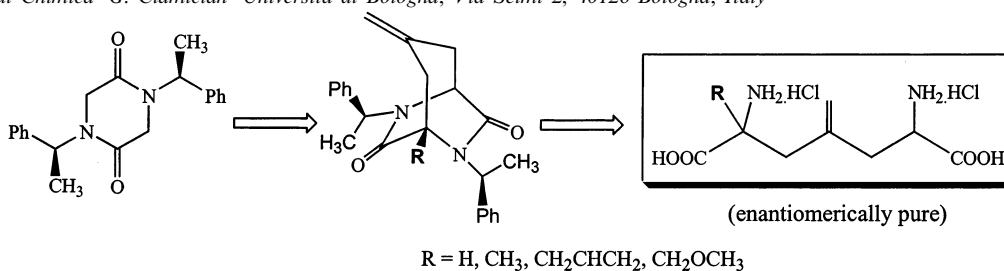


## Stereocontrolled synthesis of enantiomerically pure unsaturated analogues of 2,6-DAP. Part 5

*Tetrahedron: Asymmetry 14 (2003) 393*

Fabio Piccinelli, Gianni Porzi,\* Monica Sandri and Sergio Sandri\*

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



## Synthesis of enantiopure ( $\alpha$ -Me)Dip and other $\alpha$ -methylated $\beta$ -branched amino acid derivatives

*Tetrahedron: Asymmetry 14 (2003) 399*

Alberto Avenoza,<sup>a,\*</sup> Jesús H. Busto,<sup>a</sup> Carlos Cativiela,<sup>b</sup>

Jesús M. Peregrina,<sup>a,\*</sup> David Sucunza<sup>a</sup> and María M. Zurbano<sup>a</sup>

<sup>a</sup>Departamento de Química, Universidad de La Rioja, Grupo de Síntesis Química de La Rioja, U.A.-C.S.I.C., 26006 Logroño, Spain

<sup>b</sup>Departamento de Química Orgánica, Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza-C.S.I.C., 50009 Zaragoza, Spain

