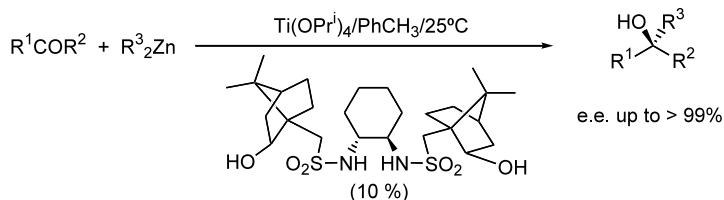
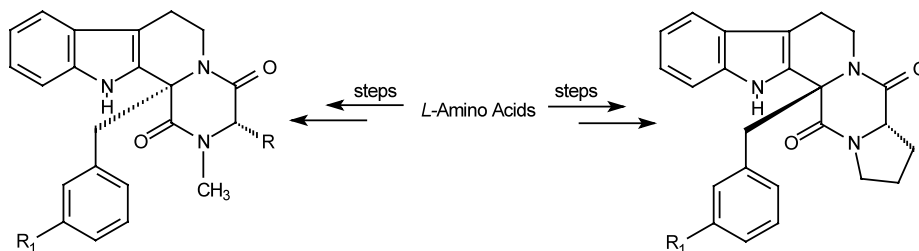
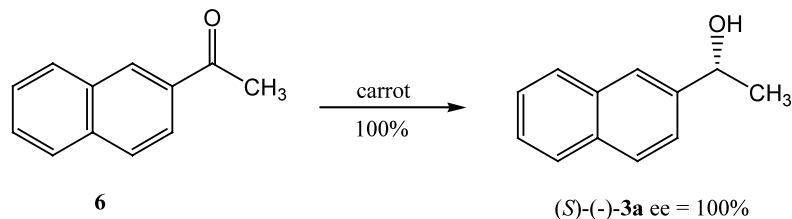


**Highly enantioselective addition of dialkylzinc reagents to ketones promoted by titanium tetraisopropoxide***Tetrahedron: Asymmetry 13 (2002) 2291*

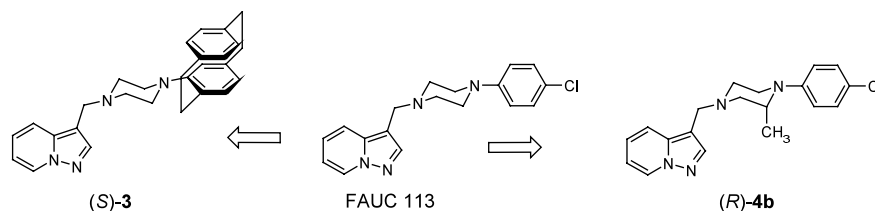
Miguel Yus,\* Diego J. Ramón and Oscar Prieto

*Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain***Diastereoselective synthesis of some  $\beta$ -carboline derivatives from L-amino acids***Tetrahedron: Asymmetry 13 (2002) 2295*Aleksandra Siwicka,<sup>a</sup> Krystyna Wojtasiewicz,<sup>a</sup> Andrzej Leniewski,<sup>a</sup> Jan K. Maurin<sup>b,c</sup> and Zbigniew Czarnocki<sup>a,\*</sup><sup>a</sup>*Faculty of Chemistry, Warsaw University, Pasteura 1, 02-093 Warsaw, Poland*<sup>b</sup>*Drug Institute, Chelmska 30/34, 00-750 Warsaw, Poland*<sup>c</sup>*Institute of Atomic Energy, 05-400 Otwock-Świerk, Poland***Enantioselective hydrolysis of 1-aryl ethyl acetates and reduction of aryl methyl ketones using carrot, celeriac and horseradish enzyme systems***Tetrahedron: Asymmetry 13 (2002) 2299*

Wanda K. Mączka and Agnieszka Mironowicz\*

*Department of Chemistry, Agricultural University, ul. Norwida 25, 50-375 Wrocław, Poland***Analogs of the dopamine D4 receptor ligand FAUC 113 with planar- and central-chirality***Tetrahedron: Asymmetry 13 (2002) 2303*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner and Peter Gmeiner\*

*Department of Medicinal Chemistry, Emil Fischer Center, Friedrich-Alexander University, Schuhstraße 19, D-91052 Erlangen, Germany*

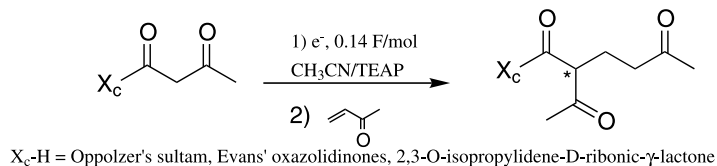
**Electrochemically-initiated Michael addition of chiral acetoacetic derivatives to methyl vinyl ketone: stereocontrolled construction of quaternary carbon centers**

*Tetrahedron: Asymmetry 13 (2002) 2311*

Laura Palombi,<sup>a,\*</sup> Marta Feroci,<sup>b</sup> Monica Orsini<sup>a</sup> and Achille Inesi<sup>a,\*</sup>

<sup>a</sup>Dip. di Chimica, Ingegneria Chimica e Materiali, 67040-Montelupo di Roio, L'Aquila, Italy

<sup>b</sup>Dip. di Ingegneria Chimica, Materiali, Materie Prime e Metallurgia, Via Castro Laurenziano 7, I-00161 Roma, Italy



**Erythrose derivatives as functionalized chiral  $d^3$  and  $d^4$  synthons**

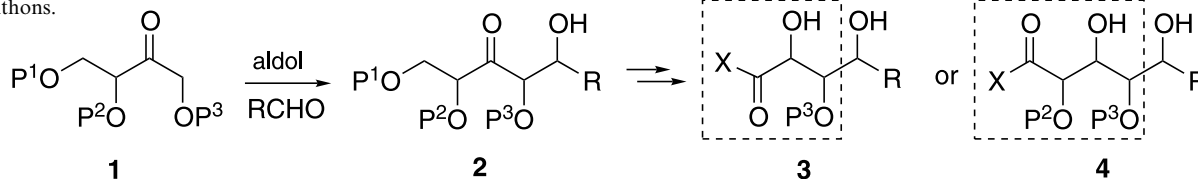
*Tetrahedron: Asymmetry 13 (2002) 2317*

Juan Murga,<sup>a</sup> Eva Falomir,<sup>a</sup> Miguel Carda<sup>a,\*</sup> and J. Alberto Marco<sup>b,\*</sup>

<sup>a</sup>Departamento de Química Inorgánica y Orgánica, Univ. Jaume I, E-12080 Castellón, Spain

<sup>b</sup>Departamento de Química Orgánica, Univ. de Valencia, E-46100 Burjassot, Valencia, Spain

Protected erythrose derivatives **1** undergo dicyclohexylboron chloride-mediated aldol reactions with high stereoselectivity. After functional group manipulation of aldols **2**, polyoxygenated molecules **3** or **4** are obtained in which either three or all four carbon atoms, respectively, of the starting erythrose molecule have been incorporated. Thus, these erythrose derivatives behave as functionalized  $d^3$  or  $d^4$  chiral synthons.



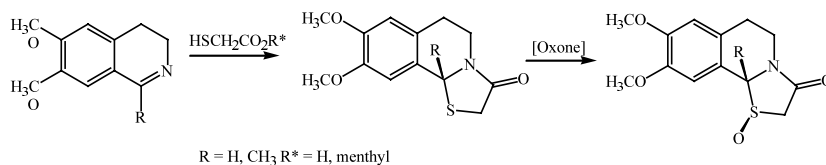
**Synthesis, crystal structure and oxidation of (*R*)-(+)-8,9-dimethoxy-6,10b-dihydro-5*H*-thiazolo[2,3-*a*]isoquinolin-3-one**

*Tetrahedron: Asymmetry 13 (2002) 2329*

M. D. Rozwadowska,<sup>a,\*</sup> A. Sulima<sup>a</sup> and A. Gzella<sup>b</sup>

<sup>a</sup>Faculty of Chemistry, Adam Mickiewicz University, ul. Grunwaldzka 6, 60-780 Poznań, Poland

<sup>b</sup>Department of Organic Chemistry, K. Marcinkowski University of Medical Sciences, ul. Grunwaldzka 6, 60-780 Poznań, Poland



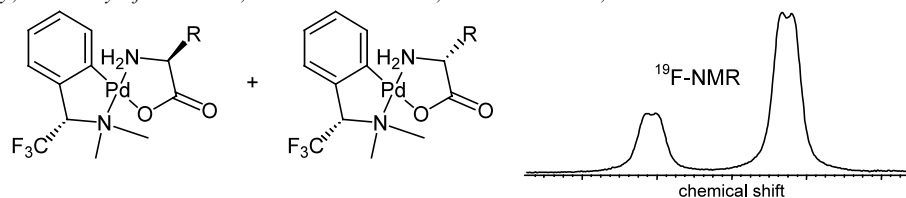
**Enantiomeric excess determination of  $\alpha$ -amino acids by  $^{19}\text{F}$  NMR spectroscopy of their *N,N*-dimethyl-(2,2,2-trifluoro-1-phenylethyl)-amine-*C,N*palladium complexes**

*Tetrahedron: Asymmetry 13 (2002) 2335*

Fabrice Levrat,<sup>a</sup> Helen Stoeckli-Evans<sup>b</sup> and Norbert Engel<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, University of Fribourg, CH-1700 Fribourg, rte du Musée 6, Switzerland

<sup>b</sup>Institute of Chemistry, University of Neuchâtel, CH-2007 Neuchâtel, av. Bellevaux 51, Switzerland



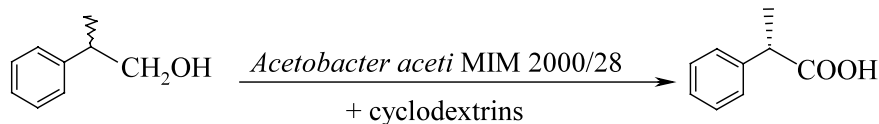
**Enantioselective oxidation of (±)-2-phenyl-1-propanol to (S)-2-phenyl-1-propionic acid with *Acetobacter aceti*: influence of medium engineering and immobilization**

*Tetrahedron: Asymmetry* 13 (2002) 2345

Raffaella Gandolfi,<sup>a</sup> Antonella Borrometi,<sup>a</sup> Andrea Romano,<sup>a</sup> José V. Sinisterra Gago<sup>b</sup> and Francesco Molinari<sup>a,\*</sup>

<sup>a</sup>Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Sezione Microbiologia Industriale, Università degli Studi di Milano, via Celoria 2, 20133 Milano, Italy

<sup>b</sup>Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad Complutense de Madrid, Plaza Ramon y Cajal, 28040 Madrid, Spain

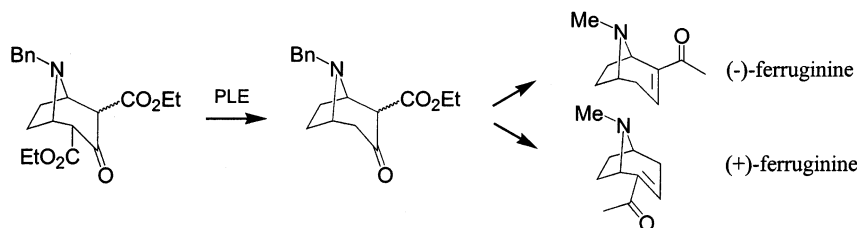


**A new divergent synthesis of (+)- and (-)-ferruginine utilizing PLE-catalyzed asymmetric dealkoxycarbonylation**

*Tetrahedron: Asymmetry* 13 (2002) 2351

Takahiro Katoh, Kiyoshi Kakiya, Takashi Nakai, Soichi Nakamura, Kiyoharu Nishide and Manabu Node\*

Kyoto Pharmaceutical University, Misasagi, Yamashina, Kyoto 607-8414, Japan



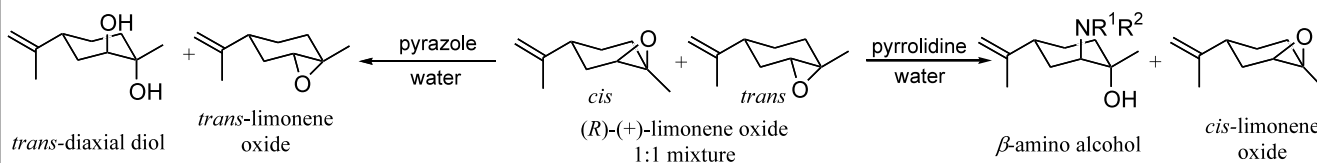
**A facile and efficient method for the kinetic separation of commercially available *cis*- and *trans*-limonene epoxide**

*Tetrahedron: Asymmetry* 13 (2002) 2359

Derek Steiner,<sup>a</sup> Lacie Ivison,<sup>a</sup> Christian T. Goralski,<sup>b</sup> Robert B. Appell,<sup>b</sup> Jasna R. Gojkovic<sup>b</sup> and Bakthan Singaram<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry and Biochemistry, University of California, Santa Cruz, Santa Cruz, CA 95064, USA

<sup>b</sup>The Dow Chemical Company, Pharmaceutical Services, 1710 Building, Midland, MI 48674, USA

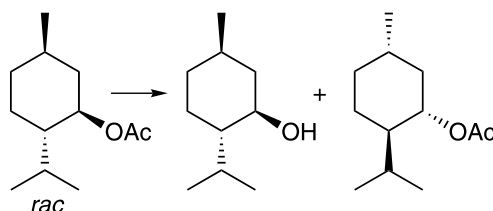


**Enantioselective hydrolase type bioconversions of exogenous substrates using cell suspension cultures of bryophytes**

*Tetrahedron: Asymmetry* 13 (2002) 2365

Andreas Speicher\* and Heike Roeser

Department of Organic Chemistry, University of the Saarland, PO Box 151150, 66041 Saarbrücken, Germany



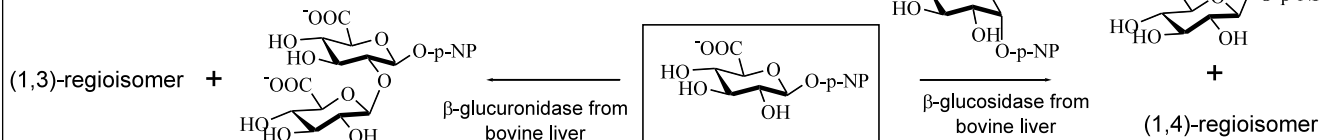
### Transfer activity of bovine liver $\beta$ -glucuronidase: synthesis of disaccharides containing a $\beta$ -D-glucopyranuronate unit

*Tetrahedron: Asymmetry 13 (2002) 2369*

Virginie Langlois,<sup>a</sup> Judicaël Parisot,<sup>a</sup> Véronique Bonnet<sup>b</sup> and Claude Rabiller<sup>a,\*</sup>

<sup>a</sup>Unité de Recherches en Biocatalyse (unité CNRS 2230), Faculté des Sciences et des Techniques, 2 rue de la Houssinière, BP 92208, F-44322 Nantes cedex 3, France

<sup>b</sup>Chiralsep, Parc d'activités de la Boissière, 11 rue de la Boissière, F-76170 La Fresnaye, France

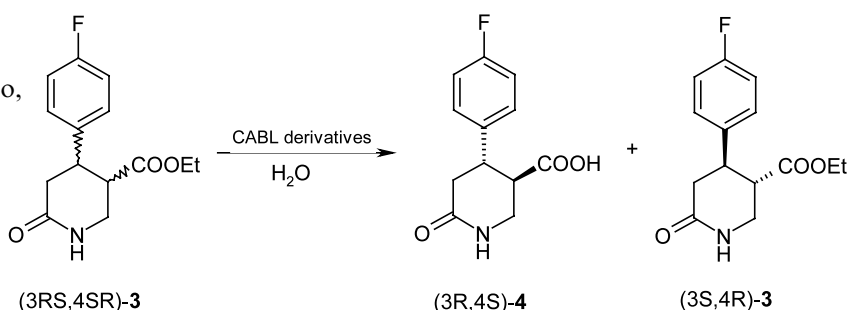


### Enzymatic resolution of ( $\pm$ )-*trans*-4-(4'-fluorophenyl)-6-oxo-piperidin-3-ethyl carboxylate, an intermediate in the synthesis of (-)-Paroxetine

*Tetrahedron: Asymmetry 13 (2002) 2375*

Jose M. Palomo,  
Gloria Fernández-Lorente, Cesar Mateo,  
Roberto Fernández-Lafuente\* and  
José M. Guisan\*

Department of Biocatalysis, Institute of Catalysis,  
CSIC, Campus Universidad Autónoma,  
Cantoblanco, 28049 Madrid, Spain



### *Candida antarctica* lipase A—a powerful catalyst for the resolution of heteroaromatic $\beta$ -amino esters

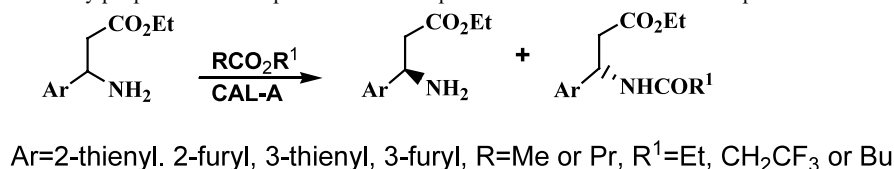
*Tetrahedron: Asymmetry 13 (2002) 2383*

Magdolna Solymár,<sup>a,b</sup> Ferenc Fülöp<sup>b</sup> and Liisa T. Kanerva<sup>a,\*</sup>

<sup>a</sup>Laboratory of Synthetic Drug Chemistry and Department of Chemistry, University of Turku, Lemminkäisenkatu 2, FIN-20520 Turku, Finland

<sup>b</sup>Institute of Pharmaceutical Chemistry, University of Szeged, PO Box 121, H-6701 Szeged, Hungary

Acylation of 3-amino-3-heteroarylpropanoates were performed in the presence of *Candida antarctica* lipase A with excellent chemo- and enantioselectivities.



### Enantioselective lipase-catalysed kinetic resolution of acyloxymethyl and ethoxycarbonylmethyl esters of 1,4-dihydroisonicotinic acid derivatives

*Tetrahedron: Asymmetry 13 (2002) 2389*

Arkadij Sobolev,<sup>a,b</sup> Maurice C. R. Franssen,<sup>a,\*</sup> Janis Poikans,<sup>b</sup> Gunars Duburs<sup>b</sup> and Aede de Groot<sup>a</sup>

<sup>a</sup>Laboratory of Organic Chemistry, Wageningen University, Dreijenplein 8, 6703 HB Wageningen, The Netherlands

<sup>b</sup>Latvian Institute of Organic Synthesis, Aizkraukles 21, Riga LV-1006, Latvia

